AMEC

PALOMAR STREET (NB1016075P)

H&P PROJECT # AEE111313-SB1

LEVEL IV DATA PACKAGE

ANALYTICAL DATA
11/14/13

8260 ANALYSIS LOG
Lab #: **SB1**
GC/MS#3

Client(s): **AMEC**

H&P Project #'s: **AEE111313-SB1**

Page: **1** of **1**
Operator: *CS*
Date: **11/14/2013**

Work Order(s): **E311047** **Matrix Spike:** Soil Sample:
Water Sample:
Balance: 10g (Serial # 08-J45023-9)

Ical Method(s): **111213Vapor**
Analyses: 8260 VOC+Oxy
Batch #'s: **EK31402**

Standards

1st VOC Std	LSS-1668	Exp.	11/16/2013	Conc.	20/200/800ug/ml	uL Injection:	2.5	**Int. Std.**	LSS-1659	Exp.	11/29/2013	Conc.	20/400 ug/ml	uL Injection:	2.5
2nd VOC Std	LSS-1669	Exp.	11/17/2013	Conc.	20/200/800ug/ml	uL Injection:	2.5	**Surrogate**	LSS-1658	Exp.	11/29/2013	Conc.	20 ug/ml	uL Injection:	2.5
IS/Surr Combo	LSS-1667	Exp.	1/3/2014	Conc.	20/400 ug/ml	uL Injection:	2.5	**Gasoline**	LSS-1666	Exp.	1/1/2014	Conc.	1.51 mg/ml	uL Injection:	2.5

Preparation Log Methanol Lot #: **113540**

Run Log Lab Temp (°F) high: **72** low: **65**

Workorder Number	Syr. ID	sample matrix	sample wt./vol.	solvent volume	injection volume	dilution factor	H_2O pH	Cont Syringe#	stn/ vial #	Sample Name	Data File Name	Comments
Rinse			20mL			0.05			1	Rinse 1	Rinse 1	not used
Rinse			20mL			0.05			2	Rinse 2	Rinse 2	not used
CCV1			20mL			0.05			3	50ug/ml CCV 1	50ug/ml CCV 1	not used
CCV2			20mL			0.05			4	50ug/ml CCV 2	50ug/ml CCV 2	Use for tune only
CCV3		Vapor	20mL			0.05			5	50ug/ml CCV 3	50ug/ml CCV 3	not used
CCV4		Vapor	20mL			0.05			6	50ug/ml CCV 4	50ug/ml CCV 4	not used
CCV5		Vapor	20mL			0.05			7	50ug/ml CCV 5	50ug/ml CCV 5	OK
		Vapor	100mL			0.01			8	BLK	BLK	not used
EK31402-BLK1		Vapor	100mL			0.01			9	BLK1	BLK1	OK
E311047-01		Vapor	100mL			0.01			10	2-SV-5-1PV	2-SV-5-1PV	
E311047-02		Vapor	100mL			0.01			11	**2-SV-5-3PV**	**2-SV-5-3PV**	
E311047-03		Vapor	100mL			0.01			12	2-SV-5-10PV	2-SV-5-10PV	
E311047-04		Vapor	100mL			0.01			13	2-SV-15	2-SV-15	
E311047-05		Vapor	100mL			0.01			14	12-SV-5	12-SV-5	
E311047-06		Vapor	100mL			0.01			15	13-SV-15	13-SV-15	
E311047-07		Vapor	100mL			0.01			16	13-SV-5	13-SV-5	
E311047-08		Vapor	100mL			0.01			17	8-SV-15	8-SV-15	
E311047-09		Vapor	100mL			0.01			18	6-SV-15	6-SV-15	
E311047-10		Vapor	100mL			0.01			19	6-SV-15 Rep	6-SV-15 Rep	
E311047-11		Vapor	100mL			0.01			20	5-SV-15	5-SV-15	
E311047-12		Vapor	100mL			0.01			21	5-SV-5	5-SV-5	
EK31402-BS1			20mL			0.05			22	LCS	LCS	

Footnotes: RR=rerun, OR=overrange

Analyst Initials CJ Date 11-14-13

INTERNAL STANDARD SUMMARY LOG FOR 8260 ANALYSIS

H&P Project # AEE111313-SB1

Date: 11/14/13

Client Sample Name	Sample Name	Fluorobenzene		Chlorobenzene - d5		1,4-Dichlorobenzene - d4		tBA - d9	
		R.T.	Response	R.T.	Response	R.T.	Response	R.T.	Response
12-SV-5.D	E311047-05	4.73	104267.00	6.94	37196	8.84	31013	3.1	14236
13-SV-15.D	E311047-06	4.73	119171.00	6.95	41691	8.84	38986	3.1	19713
13-SV-5.D	E311047-07	4.73	133226.00	6.94	47497	8.84	39303	3.1	18290
2-SV-15.D	E311047-04	4.73	127148.00	6.94	45931	8.84	38357	3.1	19677
2-SV-5-10PV.D	E311047-03	4.73	115431.00	6.94	38058	8.84	32457	3.1	14536
2-SV-5-1PV.D	E311047-01	4.73	102746.00	6.94	38122	8.84	33813	3.1	22409
2-SV-5-3PV.D	E311047-02	4.73	120375.00	6.94	39871	8.83	32227	3.1	15841
5-SV-15 .D	E311047-11	4.73	109436.00	6.94	37635	8.83	33822	3.1	15684
5-SV-5.D	E311047-12	4.74	102507.00	6.95	36383	8.84	30216	3.1	12682
6-SV-15 Rep.D	E311047-10	4.73	139659.00	6.94	49678	8.83	42916	3.1	15316
6-SV-15.D	E311047-09	4.73	112743.00	6.94	36008	8.83	32771	3.09	15271
8-SV-15.D	E311047-08	4.73	119610.00	6.94	40944	8.84	38246	3.1	15872
BLK1.D	EK31402-BLK1	4.73	114869.00	6.94	39295	8.83	31781	3.1	14688
CCV5.D	50ug/ml CCV	4.73	157669.00	6.94	53166	8.84	48344	3.1	19057
LCS.D	EK31402-BS1	4.73	113603.00	6.94	41890	8.83	43030	3.09	17448

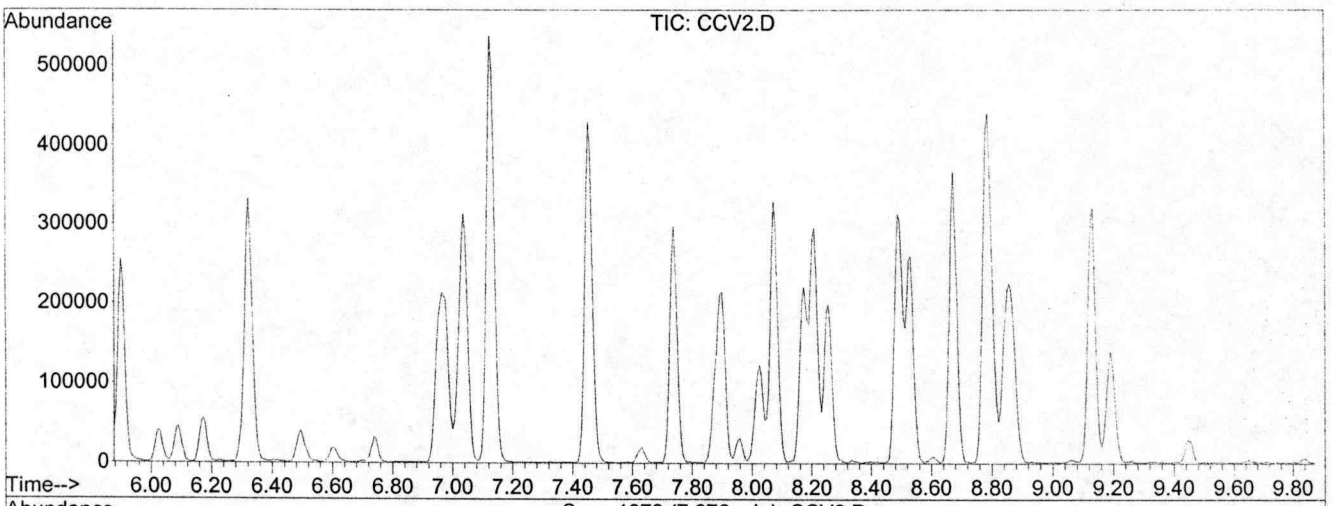
Acceptance Range minimum	4.67	83,014	6.88	27,123	8.77	28,606	3.04	9,133
Acceptance Range maximum	4.79	332,056	7.00	108,492	8.89	114,424	3.16	36,530

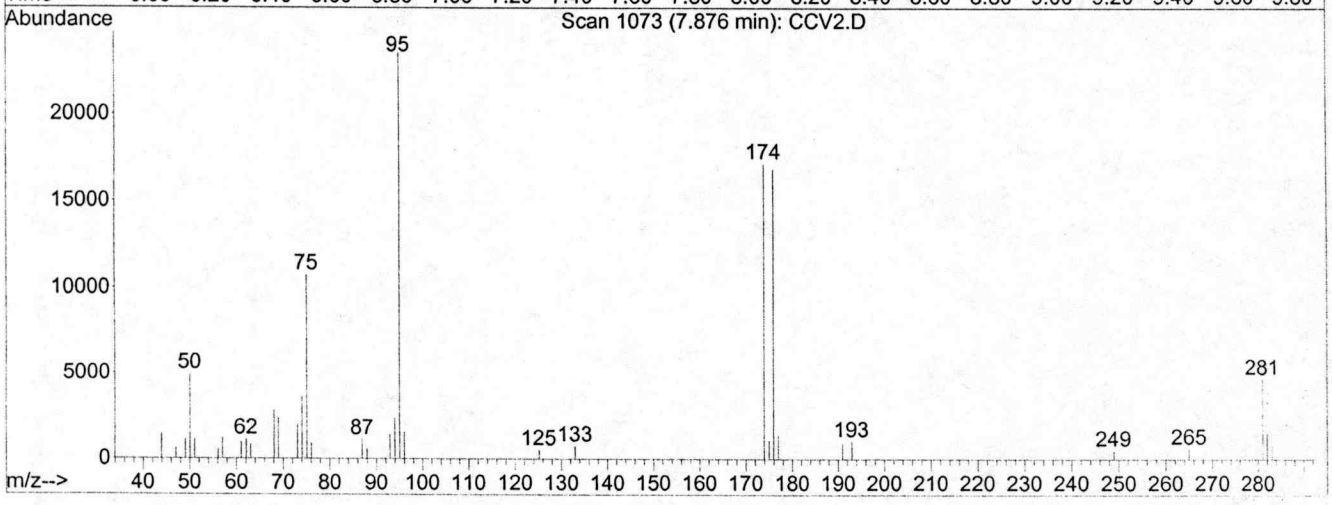
Data Path : E:\data\111413\
Data File : CCV2.D
Acq On : 14 Nov 2013 6:08 am
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

OK

Integration File: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Title : 8260 SV for volatile organic compounds GC/MS #3
Last Update : Wed Nov 13 13:17:48 2013





Spectrum Information: Scan 1073

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.0	4937	PASS
75	95	30	60	45.6	10750	PASS
95	95	100	100	100.0	23552	PASS
96	95	5	9	6.6	1558	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	73.0	17184	PASS
175	174	5	9	6.4	1093	PASS
176	174	95	101	98.1	16856	PASS
177	176	5	9	8.4	1412	PASS

Evaluate Continuing Calibration Report

Data Path : E:\data\111413\
Data File : CCV5.D
Acq On : 14 Nov 2013 7:07 am
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 7 Sample Multiplier: 1

OK

Quant Time: Nov 14 08:41:25 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Min. RRF : 0.000 Min. Rel. Area : 25% Max. R.T. Dev 0.50min
Max. RRF Dev : 200% Max. Rel. Area : 400%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	95	0.00
2		1,1-Difluoroethane	0.162	0.135	16.7	84	0.00
3	T	Dichlorodifluoromethane	0.358	0.334	6.7	86	0.00
4	TP	Chloromethane	0.427	0.354	17.1	77	0.00
5	TC	Vinyl Chloride	0.327	0.310	5.2	85	0.00
6	T	Bromomethane	0.199	0.174	12.6	88	0.01
7	T	Chloroethane	0.196	0.187	4.6	89	0.00
8	T	Trichlorofluoromethane	0.476	0.497	-4.4	97	0.00
9	TC	1,1-Dichloroethene	0.250	0.251	-0.4	92	0.00
10	T	Freon-113	0.295	0.284	3.7	88	0.00
11		acetone	0.056	0.030	~~46.4~~	78	0.00
12	T	Methylene Chloride	0.213	0.203	4.7	93	0.00
13	T	MTBE*	0.292	0.309	-5.8	105	0.00
14	T	trans-1,2-Dichloroethene	0.269	0.259	3.7	91	0.00
15		Diisopropyl ether*	0.632	0.638	-0.9	92	0.00
16	TP	1,1-Dichloroethane	0.472	0.459	2.8	90	0.00
17		Ethyl-t-butyl ether*	0.527	0.499	5.3	98	0.00
18	T	2,2-Dichloropropane	0.398	0.432	-8.5	100	0.00
19		2-Butanone	0.008	0.008	0.0	94	0.00
20	T	cis-1,2-Dichloroethene	0.263	0.269	-2.3	94	0.00
21	TC	Chloroform	0.409	0.433	-5.9	99	0.00
22	T	Bromochloromethane	0.100	0.085	15.0	86	0.00
23	T	1,1,1-Trichloroethane	0.447	0.462	-3.4	96	0.00
24	S	Dibromofluoromethane	0.189	0.192	-1.6	103	0.00
25	T	1,1-Dichloropropene	0.360	0.355	1.4	94	0.00
26	T	Carbon Tetrachloride	0.441	0.416	5.7	93	0.00
27	S	1,2-Dichloroethane-d4	0.178	0.182	-2.2	107	0.00
28	T	1,2-Dichloroethane	0.209	0.223	-6.7	95	0.00
29		TAME* (2-methoxy-2-methylbu	0.339	0.359	-5.9	104	0.00
30	TM	Benzene*	0.999	1.014	-1.5	94	0.00
31	TM	Trichloroethene	0.288	0.283	1.7	94	0.00
32	TC	1,2-Dichloropropane	0.225	0.207	8.0	88	0.00
33	T	Bromodichloromethane	0.246	0.236	4.1	93	0.00
34	T	Dibromomethane	0.078	0.072	7.7	86	0.00
35	T	cis-1,3-Dichloropropene	0.255	0.245	3.9	98	0.00
36		Methyl Isobutyl Ketone	0.090	0.084	6.7	85	0.00
37	S	Toluene-d8	0.867	0.896	-3.3	94	0.00
38	TMC	Toluene*	0.736	0.710	3.5	93	0.00
39	T	trans-1,3-Dichloropropene	0.200	0.186	7.0	92	0.00
40	T	1,1,2-Trichloroethane	0.099	0.093	6.1	89	0.00
41		2-Hexanone	0.059	0.055	6.8	83	0.00
42	T	1,2-Dibromoethane	0.108	0.095	12.0	85	0.00
43	I	Chlorobenzene-D5	1.000	1.000	0.0	98	0.00
44	T	1,3-Dichloropropane	0.612	0.566	7.5	86	0.00
45	T	Tetrachloroethene	0.868	0.746	14.1	78	0.00
46	T	Dibromochloromethane	0.466	0.419	10.1	88	0.00
47	TMP	Chlorobenzene	2.132	1.980	7.1	87	0.00
48	TC	Ethylbenzene*	1.124	1.103	1.9	92	0.00

Evaluate Continuing Calibration Report

Data Path : E:\data\111413\
Data File : CCV5.D
Acq On : 14 Nov 2013 7:07 am
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 14 08:41:25 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Min. RRF : 0.000 Min. Rel. Area : 25% Max. R.T. Dev 0.50min
Max. RRF Dev : 200% Max. Rel. Area : 400%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,1,1,2-Tetrachloroethane	0.691	0.633	8.4	86	0.00
50	T	m,p-Xylene*	1.496	1.523	-1.8	90	0.00
51	T	o-Xylene*	1.312	1.292	1.5	91	0.00
52	T	Styrene	1.896	1.970	-3.9	92	0.00
53	TP	Bromoform	0.219	0.194	11.4	88	0.00
54	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00
55	S	4-Bromofluorobenzene	0.705	0.750	-6.4	90	0.00
56	T	Isopropylbenzene	3.329	3.895	-17.0	96	0.00
57	TP	1,1,2,2-Tetrachloroethane	0.400	0.384	4.0	89	0.00
58	T	1,2,3-Trichloropropane	0.360	0.363	-0.8	88	0.00
59	T	n-Propylbenzene	4.412	5.213	-18.2	91	0.00
60	T	Bromobenzene	0.804	0.796	1.0	86	0.00
61	T	1,3,5-Trimethylbenzene	3.055	3.631	-18.9	92	0.00
62	T	2-Chlorotoluene	2.841	3.316	-16.7	96	0.00
63	T	4-Chlorotoluene	2.544	2.896	-13.8	91	0.00
64	T	tert-Butylbenzene	3.276	3.646	-11.3	90	0.00
65	T	1,2,4-Trimethylbenzene	2.884	3.403	-18.0	91	0.00
66	T	sec-Butylbenzene	4.206	5.034	-19.7	91	0.00
67	T	p-Isopropyltoluene	3.460	4.111	-18.8	89	0.00
68	T	1,3-Dichlorobenzene	1.869	1.942	-3.9	84	0.00
69	T	1,4-Dichlorobenzene	1.773	1.768	0.3	83	0.00
70	T	n-Butylbenzene	3.084	3.602	-16.8	89	0.00
71	T	1,2-Dichlorobenzene	1.513	1.463	3.3	82	0.00
72	T	1,2-Dibromo-3-chloropropane	0.047	0.038	19.1	66	0.00
73	T	1,2,4-Trichlorobenzene	0.744	0.671	9.8	85	0.00
74	T	Hexachlorobutadiene	0.577	0.520	9.9	78	0.00
75	T	Naphthalene	0.889	0.767	13.7	88	0.00 LR
76	T	1,2,3-Trichlorobenzene	0.543	0.459	15.5	77	0.00
77	I	TBA-d9	1.000	1.000	0.0	104	0.00
78		Ethanol	0.145	0.134	7.6	85	0.00
79		Isopropyl Alcohol (IPA)	0.853	0.701	17.8	84	0.00
80	T	t-Butanol *	1.572	1.390	11.6	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : E:\data\111413\
Data File : CCV5.D
Acq On : 14 Nov 2013 7:07 am
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 14 08:27:59 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Min. RRF : 0.000 Min. Rel. Area : 25% Max. R.T. Dev 0.50min
Max. RRF Dev : 200% Max. Rel. Area : 400%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	50.000	50.000	0.0	95	0.00
2		1,1-Difluoroethane	50.000	39.041	21.9	79	0.00
3	T	Dichlorodifluoromethane	50.000	46.577	6.8	86	0.00
4	TP	Chloromethane	50.000	41.527	16.9	77	0.00
5	TC	Vinyl Chloride	50.000	47.482	5.0	85	0.00
6	T	Bromomethane	50.000	43.676	12.6	88	0.01
7	T	Chloroethane	50.000	47.674	4.7	89	0.00
8	T	Trichlorofluoromethane	50.000	52.215	-4.4	97	0.00
9	TC	1,1-Dichloroethene	50.000	50.088	-0.2	92	0.00
10	T	Freon-113	50.000	48.115	3.8	88	0.00
11		acetone	500.000	273.266	45.3	78	0.00
12	T	Methylene Chloride	50.000	47.659	4.7	93	0.00
13	T	MTBE*	50.000	52.903	-5.8	105	0.00
14	T	trans-1,2-Dichloroethene	50.000	48.111	3.8	91	0.00
15		Diisopropyl ether*	50.000	50.486	-1.0	92	0.00
16	TP	1,1-Dichloroethane	50.000	48.619	2.8	90	0.00
17		Ethyl-t-butyl ether*	50.000	47.326	5.3	98	0.00
18	T	2,2-Dichloropropane	50.000	54.317	-8.6	100	0.00
19		2-Butanone	500.000	491.041	1.8	94	0.00
20	T	cis-1,2-Dichloroethene	50.000	51.222	-2.4	94	0.00
21	TC	Chloroform	50.000	52.965	-5.9	99	0.00
22	T	Bromochloromethane	50.000	42.311	15.4	86	0.00
23	T	1,1,1-Trichloroethane	50.000	51.674	-3.3	96	0.00
24	S	Dibromofluoromethane	50.000	50.622	-1.2	103	0.00
25	T	1,1-Dichloropropene	50.000	49.431	1.1	94	0.00
26	T	Carbon Tetrachloride	50.000	47.109	5.8	93	0.00
27	S	1,2-Dichloroethane-d4	50.000	51.191	-2.4	107	0.00
28	T	1,2-Dichloroethane	50.000	53.312	-6.6	95	0.00
29		TAME* (2-methoxy-2-methylbu	50.000	53.070	-6.1	104	0.00
30	TM	Benzene*	50.000	50.721	-1.4	94	0.00
31	TM	Trichloroethene	50.000	49.295	1.4	94	0.00
32	TC	1,2-Dichloropropane	50.000	46.049	7.9	88	0.00
33	T	Bromodichloromethane	50.000	47.928	4.1	93	0.00
34	T	Dibromomethane	50.000	46.096	7.8	86	0.00
35	T	cis-1,3-Dichloropropene	50.000	47.929	4.1	98	0.00
36		Methyl Isobutyl Ketone	500.000	465.424	6.9	85	0.00
37	S	Toluene-d8	50.000	51.687	-3.4	94	0.00
38	TMC	Toluene*	50.000	48.264	3.5	93	0.00
39	T	trans-1,3-Dichloropropene	50.000	46.678	6.6	92	0.00
40	T	1,1,2-Trichloroethane	50.000	46.909	6.2	89	0.00
41		2-Hexanone	500.000	464.229	7.2	83	0.00
42	T	1,2-Dibromoethane	50.000	43.900	12.2	85	0.00
43	I	Chlorobenzene-D5	50.000	50.000	0.0	98	0.00
44	T	1,3-Dichloropropane	50.000	46.270	7.5	86	0.00
45	T	Tetrachloroethene	50.000	43.002	14.0	78	0.00
46	T	Dibromochloromethane	50.000	44.994	10.0	88	0.00
47	TMP	Chlorobenzene	50.000	46.439	7.1	87	0.00
48	TC	Ethylbenzene*	50.000	49.094	1.8	92	0.00

Evaluate Continuing Calibration Report

Data Path : E:\data\111413\
Data File : CCV5.D
Acq On : 14 Nov 2013 7:07 am
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 14 08:27:59 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Min. RRF : 0.000 Min. Rel. Area : 25% Max. R.T. Dev 0.50min
Max. RRF Dev : 200% Max. Rel. Area : 400%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,1,1,2-Tetrachloroethane	50.000	45.868	8.3	86	0.00
50	T	m,p-Xylene*	100.000	101.830	-1.8	90	0.00
51	T	o-Xylene*	50.000	49.226	1.5	91	0.00
52	T	Styrene	50.000	51.966	-3.9	92	0.00
53	TP	Bromoform	50.000	44.339	11.3	88	0.00
54	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	84	0.00
55	S	4-Bromofluorobenzene	50.000	53.205	-6.4	90	0.00
56	T	Isopropylbenzene	50.000	58.512	-17.0	96	0.00
57	TP	1,1,2,2-Tetrachloroethane	50.000	48.026	3.9	89	0.00
58	T	1,2,3-Trichloropropane	50.000	50.402	-0.8	88	0.00
59	T	n-Propylbenzene	50.000	59.069	-18.1	91	0.00
60	T	Bromobenzene	50.000	49.488	1.0	86	0.00
61	T	1,3,5-Trimethylbenzene	50.000	59.431	-18.9	92	0.00
62	T	2-Chlorotoluene	50.000	58.366	-16.7	96	0.00
63	T	4-Chlorotoluene	50.000	56.919	-13.8	91	0.00
64	T	tert-Butylbenzene	50.000	55.643	-11.3	90	0.00
65	T	1,2,4-Trimethylbenzene	50.000	59.004	-18.0	91	0.00
66	T	sec-Butylbenzene	50.000	59.847	-19.7	91	0.00
67	T	p-Isopropyltoluene	50.000	59.419	-18.8	89	0.00
68	T	1,3-Dichlorobenzene	50.000	51.942	-3.9	84	0.00
69	T	1,4-Dichlorobenzene	50.000	49.850	0.3	83	0.00
70	T	n-Butylbenzene	50.000	58.398	-16.8	89	0.00
71	T	1,2-Dichlorobenzene	50.000	48.345	3.3	82	0.00
72	T	1,2-Dibromo-3-chloropropane	50.000	55.919	-11.8	66	0.00
73	T	1,2,4-Trichlorobenzene	50.000	45.057	9.9	85	0.00
74	T	Hexachlorobutadiene	50.000	45.064	9.9	78	0.00
75	T	Naphthalene	50.000	49.137	1.7	88	0.00
76	T	1,2,3-Trichlorobenzene	50.000	42.258	15.5	77	0.00
77	I	TBA-d9	1000.000	1000.000	0.0	104	0.00
78		Ethanol	2000.000	1839.876	8.0	85	0.00
79		Isopropyl Alcohol (IPA)	2000.000	1643.166	17.8	84	0.00
80	T	t-Butanol *	500.000	449.588	10.1	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : CCV5.D
Acq On : 14 Nov 2013 7:07 am
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 14 08:41:25 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene	4.73	96	157669	50.00 ng		0.00
43) Chlorobenzene-D5	6.94	82	53166	50.00 ng		0.00
54) 1,4-Dichlorobenzene-d4	8.84	152	48344	50.00 ng		0.00
77) TBA-d9	3.10	65	19057	1000.00 ng		0.00
System Monitoring Compounds						
24) Dibromofluoromethane	4.26	113	30249	50.62 ng		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.24%			
27) 1,2-Dichloroethane-d4	4.50	65	28668	51.19 ng		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 102.38%			
37) Toluene-d8	5.84	98	141244	51.69 ng		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 103.38%			
55) 4-Bromofluorobenzene	7.87	174	36252	53.20 ng		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 106.40%			
Target Compounds						Qvalue
2) 1,1-Difluoroethane	1.56	65	21345m	41.76 ng		
3) Dichlorodifluoromethane	1.59	85	52606	46.58 ng		92
4) Chloromethane	1.75	50	55857	41.53 ng		97
5) Vinyl Chloride	1.85	62	48950	47.48 ng		97
6) Bromomethane	2.13	94	27414	43.68 ng		87
7) Chloroethane	2.21	64	29508	47.67 ng		94
8) Trichlorofluoromethane	2.41	101	78327	52.22 ng		94
9) 1,1-Dichloroethene	2.79	96	39529	50.09 ng		88
10) Freon-113	2.78	101	44705	48.12 ng		86
11) acetone	2.80	43	47494	273.27 ng		96
12) Methylene Chloride	3.11	84	31996	47.66 ng	#	79
13) MTBE*	3.29	73	48727	52.90 ng		97
14) trans-1,2-Dichloroethene	3.30	96	40792	48.11 ng		96
15) Diisopropyl ether*	3.60	45	100542	50.49 ng		100
16) 1,1-Dichloroethane	3.57	63	72364	48.62 ng		99
17) Ethyl-t-butyl ether*	3.84	59	78635	47.33 ng		97
18) 2,2-Dichloropropane	3.97	77	68125	54.32 ng		95
19) 2-Butanone	3.94	72	12821	491.04 ng		67
20) cis-1,2-Dichloroethene	3.95	96	42401	51.22 ng		92
21) Chloroform	4.15	83	68344	52.97 ng		91
22) Bromochloromethane	4.12	128	13407	42.31 ng		91
23) 1,1,1-Trichloroethane	4.31	97	72767	51.67 ng		95
25) 1,1-Dichloropropene	4.41	75	56037	49.43 ng		91
26) Carbon Tetrachloride	4.43	117	65577	47.11 ng		94
28) 1,2-Dichloroethane	4.55	62	35113	53.31 ng		96
29) TAME* (2-methoxy-2-methylb	4.60	73	56669	53.07 ng		95
30) Benzene*	4.56	78	159843	50.72 ng		95
31) Trichloroethene	4.98	95	44692	49.30 ng		77
32) 1,2-Dichloropropane	5.13	63	32715	46.05 ng		94
33) Bromodichloromethane	5.31	83	37215	47.93 ng		95
34) Dibromomethane	5.22	93	11367	46.10 ng		86
35) cis-1,3-Dichloropropene	5.62	75	38607	47.93 ng		89
36) Methyl Isobutyl Ketone	5.71	43	132732	465.42 ng		95
38) Toluene*	5.88	92	111979	48.26 ng		98
39) trans-1,3-Dichloropropene	6.01	75	29375	46.68 ng		90
40) 1,1,2-Trichloroethane	6.16	83	14667	46.91 ng		85
41) 2-Hexanone	6.31	43	86164	464.23 ng	#	96

Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : CCV5.D
Acq On : 14 Nov 2013 7:07 am
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 14 08:41:25 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

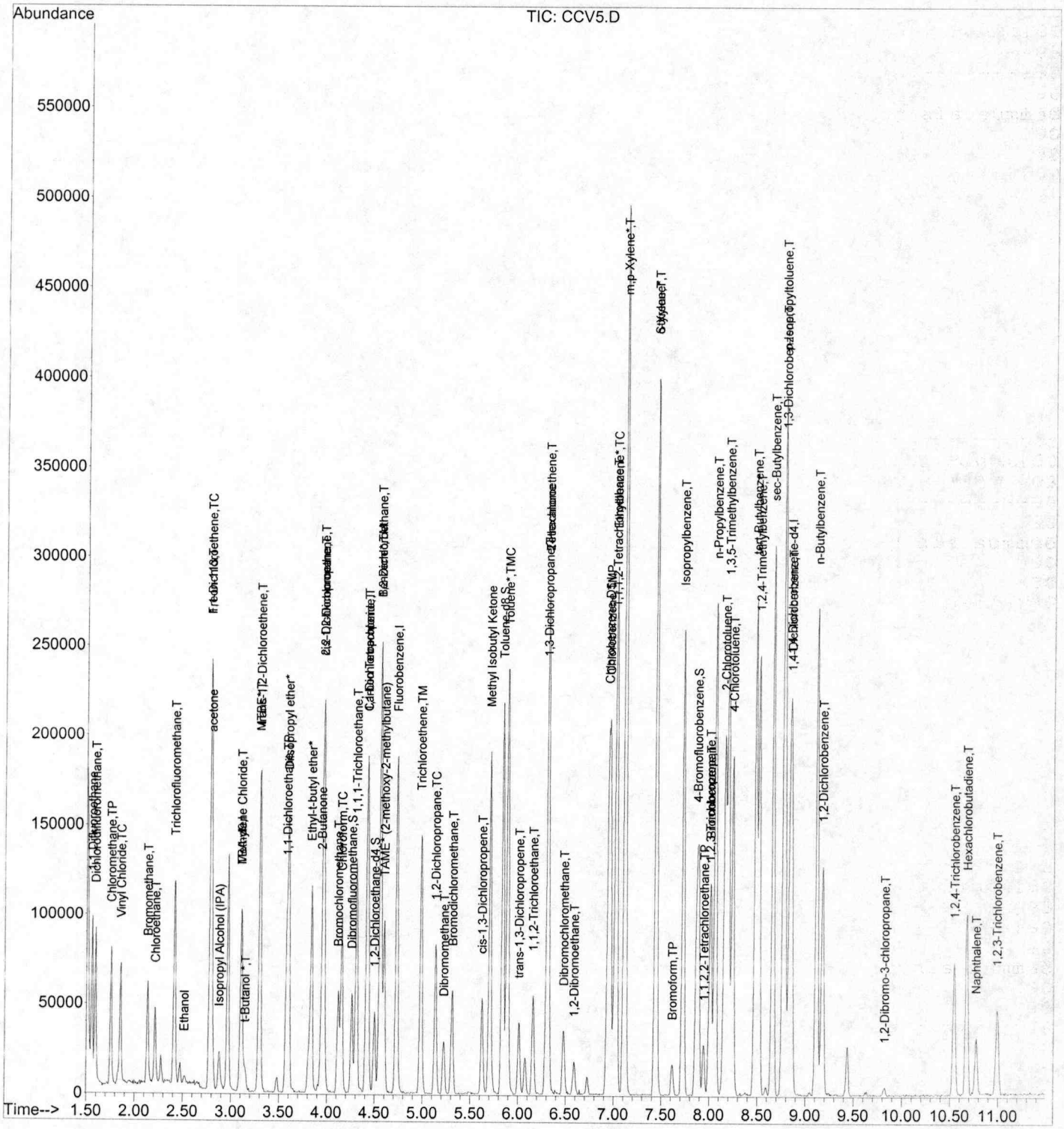
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,2-Dibromoethane	6.59	107	15009	43.90	ng		90
44) 1,3-Dichloropropane	6.29	76	30087	46.27	ng		90
45) Tetrachloroethene	6.31	164	39667	43.00	ng		91
46) Dibromochloromethane	6.48	129	22287	44.99	ng		97
47) Chlorobenzene	6.96	112	105271	46.44	ng		94
48) Ethylbenzene*	7.03	106	58658	49.09	ng		100
49) 1,1,1,2-Tetrachloroethane	7.01	131	33680	45.87	ng		95
50) m,p-Xylene*	7.12	106	161974	101.83	ng		90
51) o-Xylene*	7.44	106	68690	49.23	ng		91
52) Styrene	7.44	104	104762	51.97	ng		95
53) Bromoform	7.62	173	10331	44.34	ng		83
56) Isopropylbenzene	7.72	105	188313	58.51	ng		98
57) 1,1,2,2-Tetrachloroethane	7.94	83	18574	48.03	ng		91
58) 1,2,3-Trichloropropane	8.00	75	17534	50.40	ng		93
59) n-Propylbenzene	8.06	91	252005	59.07	ng		100
60) Bromobenzene	8.01	156	38465	49.49	ng		96
61) 1,3,5-Trimethylbenzene	8.19	105	175526	59.43	ng		100
62) 2-Chlorotoluene	8.16	91	160309	58.37	ng		90
63) 4-Chlorotoluene	8.24	91	140018	56.92	ng		98
64) tert-Butylbenzene	8.48	119	176259	55.64	ng		96
65) 1,2,4-Trimethylbenzene	8.51	105	164535	59.00	ng		91
66) sec-Butylbenzene	8.66	105	243353	59.85	ng		96
67) p-Isopropyltoluene	8.77	119	198758	59.42	ng		92
68) 1,3-Dichlorobenzene	8.78	146	93875	51.94	ng		90
69) 1,4-Dichlorobenzene	8.85	146	85469	49.85	ng		94
70) n-Butylbenzene	9.12	91	174125	58.40	ng		94
71) 1,2-Dichlorobenzene	9.18	146	70705	48.34	ng		95
72) 1,2-Dibromo-3-chloropropan	9.82	75	1827	55.92	ng		90
73) 1,2,4-Trichlorobenzene	10.55	180	32427	45.06	ng		92
74) Hexachlorobutadiene	10.68	225	25155	45.06	ng		91
75) Naphthalene	10.77	128	37093	49.14	ng		94
76) 1,2,3-Trichlorobenzene	10.99	180	22186	42.26	ng		93
78) Ethanol	2.51	45	5101	1839.88	ng	#	100
79) Isopropyl Alcohol (IPA)	2.88	45	26711	1643.17	ng	#	100
80) t-Butanol *	3.15	59	13249	449.59	ng		83

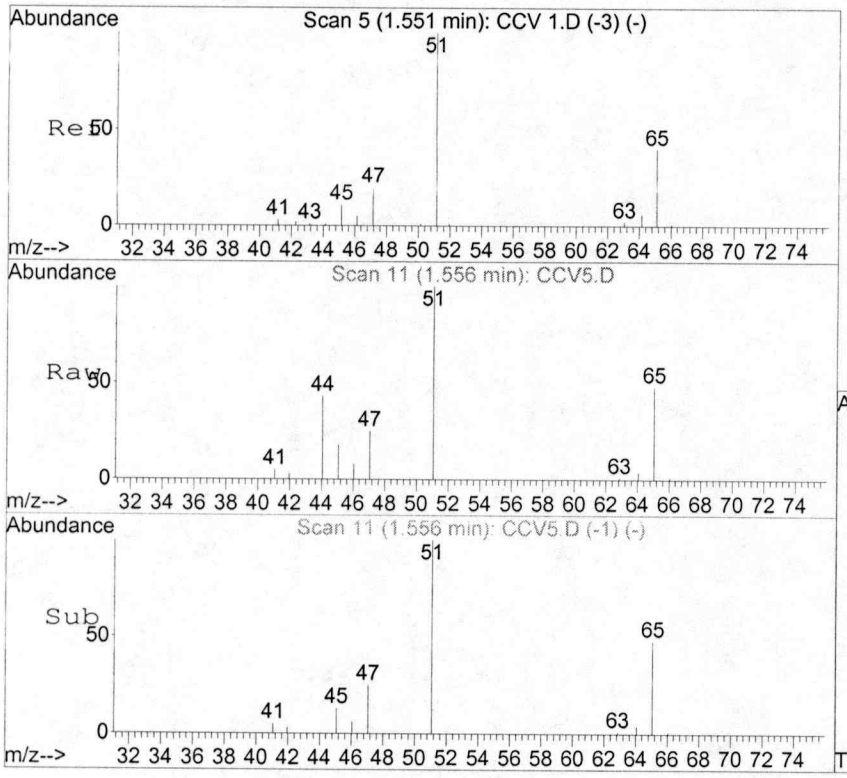
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : CCV5.D
Acq On : 14 Nov 2013 7:07 am
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 14 08:41:25 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

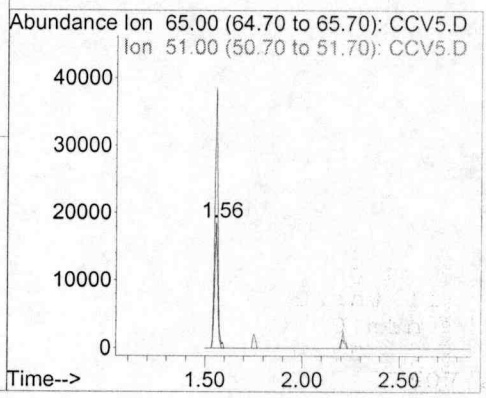


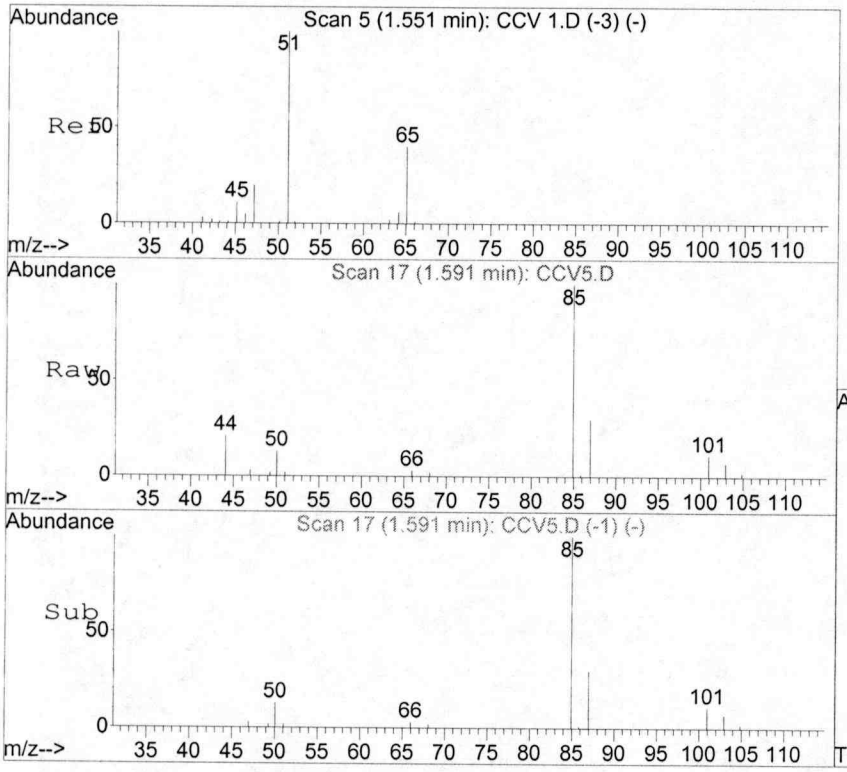


#2
1,1-Difluoroethane
Concen: 41.76 ng m
RT: 1.56 min Scan# 11
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 65 Resp: 21345

Ion	Ratio	Lower	Upper
65	100		
51	207.8	181.2	271.8

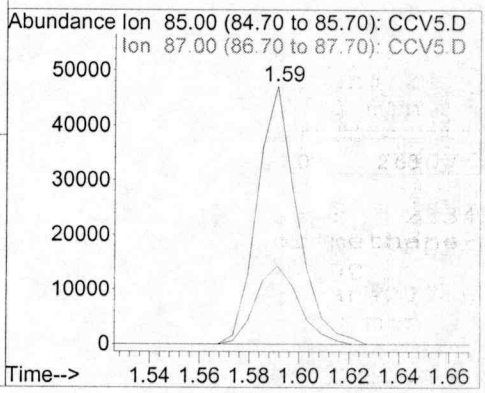


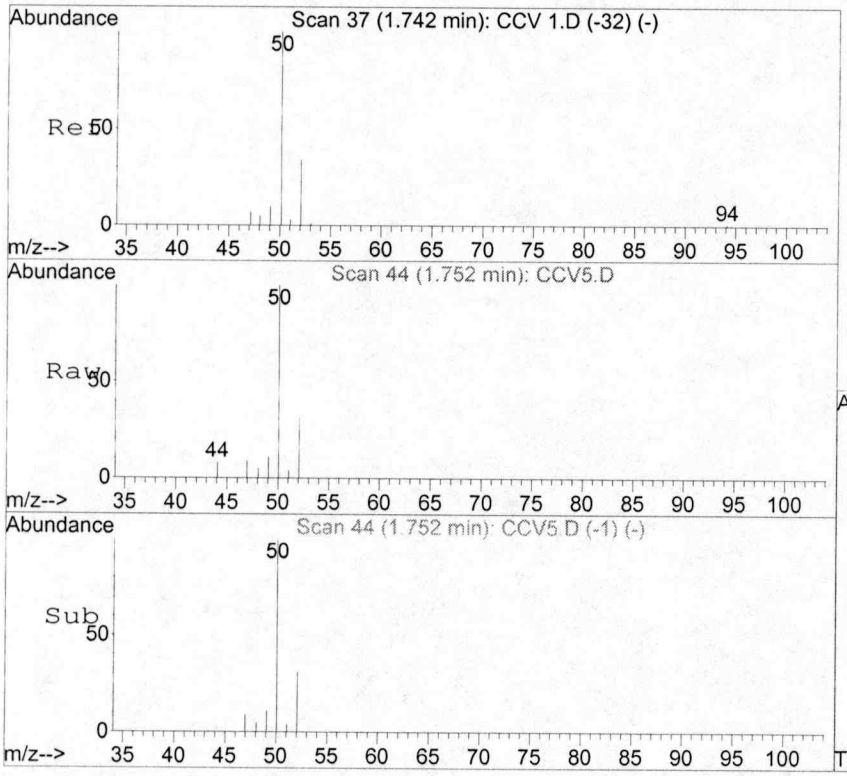


#3
Dichlorodifluoromethane
Concen: 46.58 ng
RT: 1.59 min Scan# 17
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 85 Resp: 52606

Ion	Ratio	Lower	Upper
85	100		
87	30.4	5.1	65.1

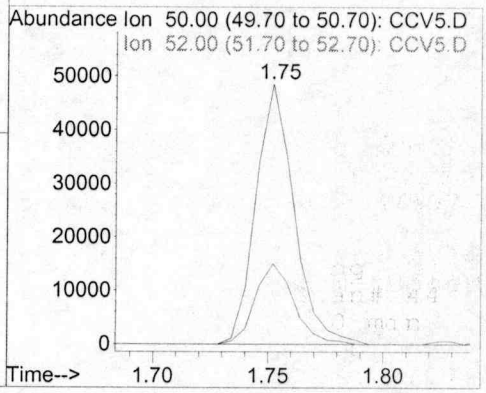


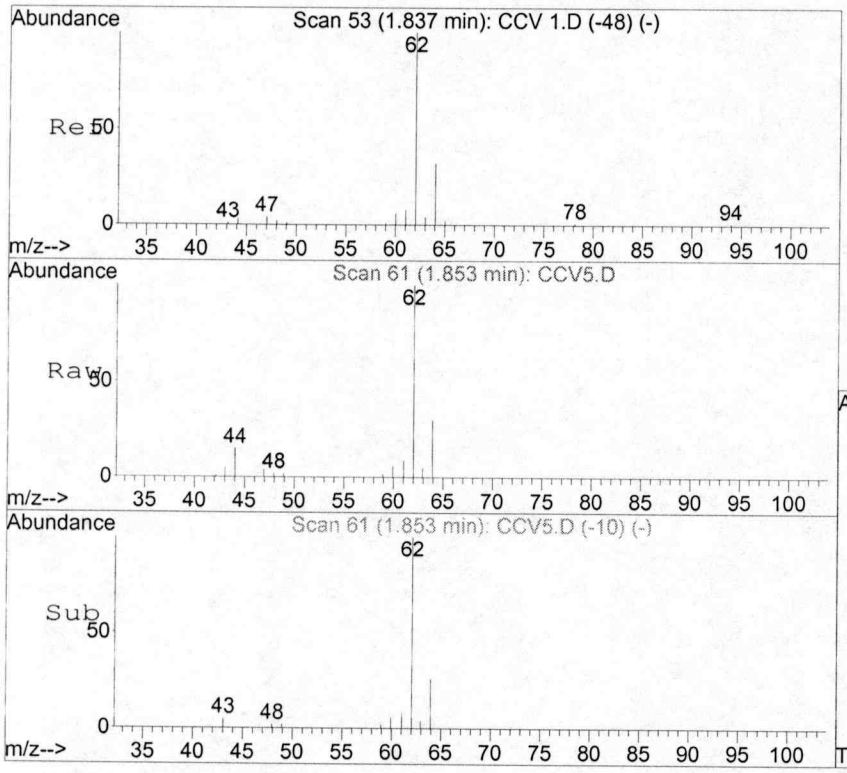


#4
Chloromethane
Concen: 41.53 ng
RT: 1.75 min Scan# 44
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 50 Resp: 55857

Ion	Ratio	Lower	Upper
50	100		
52	30.9	2.3	62.3

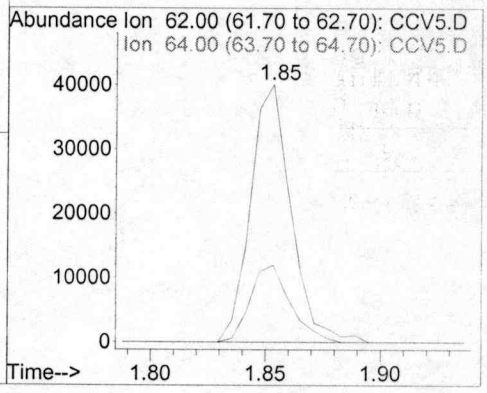


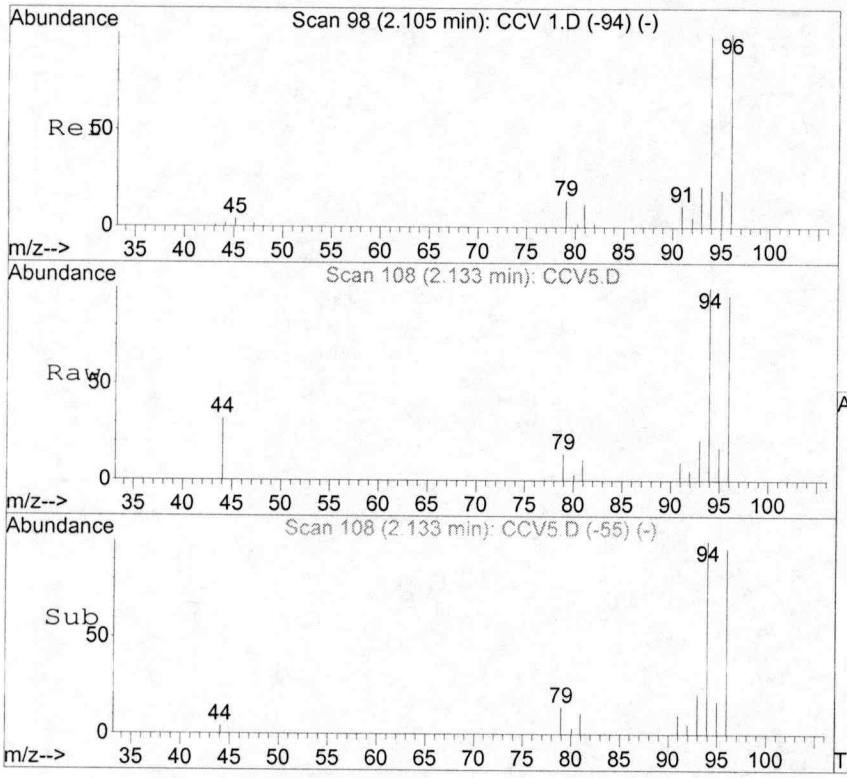


#5
Vinyl Chloride
Concen: 47.48 ng
RT: 1.85 min Scan# 61
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 62 Resp: 48950

Ion	Ratio	Lower	Upper
62	100		
64	29.8	0.0	58.4

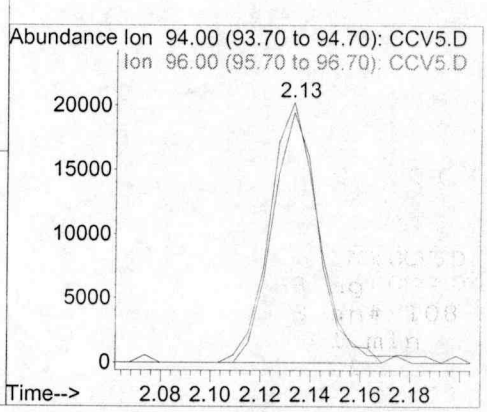


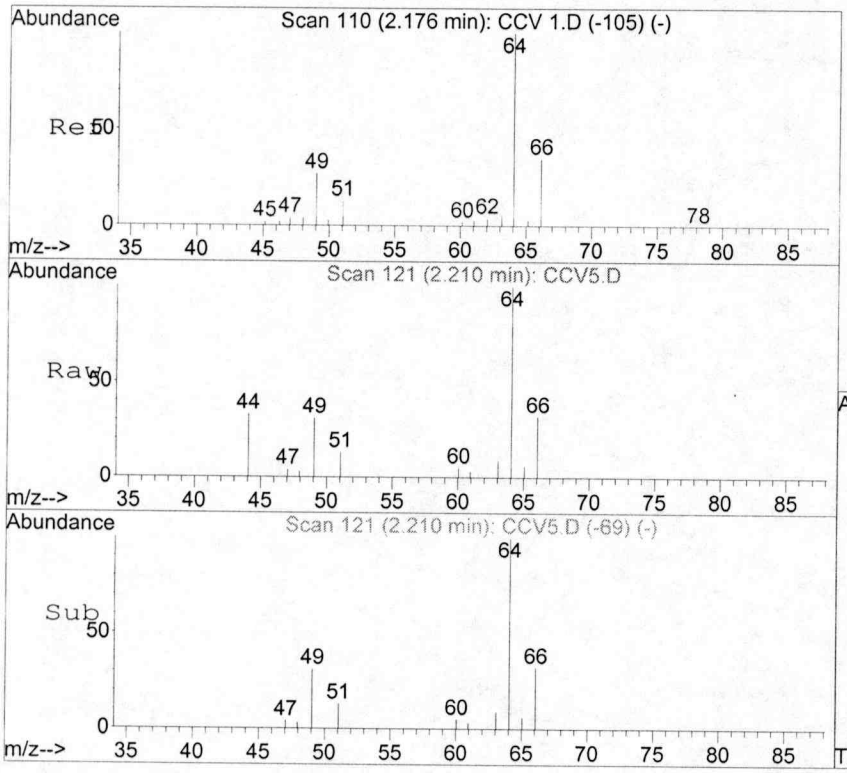


#6
Bromomethane
Concen: 43.68 ng
RT: 2.13 min Scan# 108
Delta R.T. 0.01 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 94 Resp: 27414

Ion	Ratio	Lower	Upper
94	100		
96	96.2	54.5	114.5

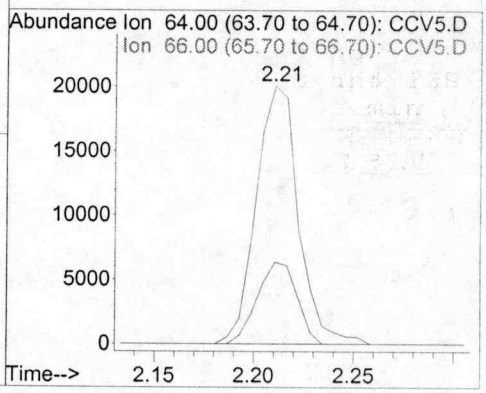


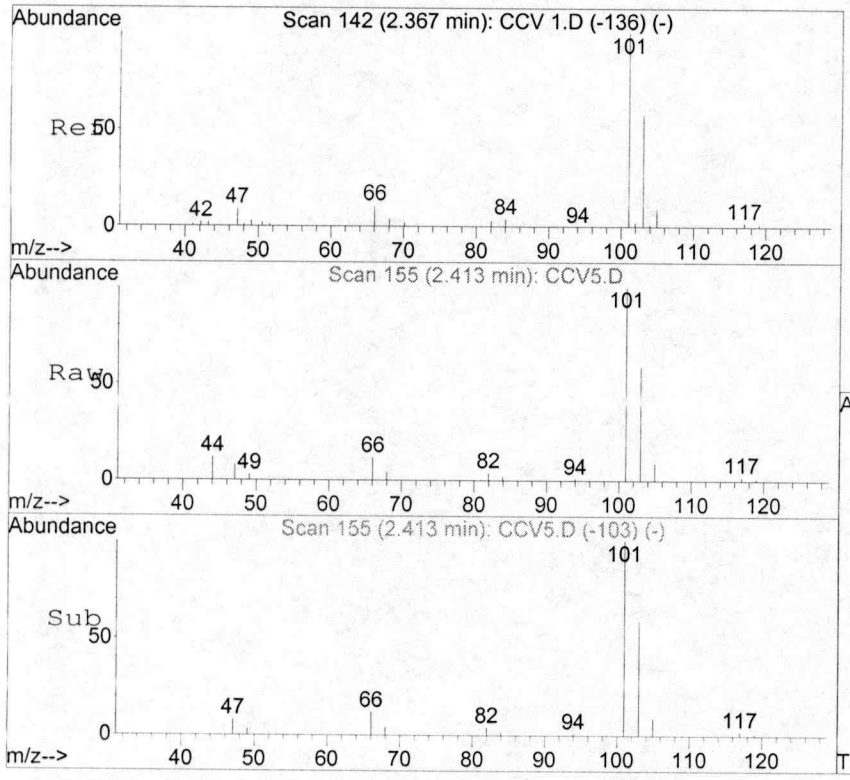


#7
Chloroethane
Concen: 47.67 ng
RT: 2.21 min Scan# 121
Delta R.T. 0.01 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 64 Resp: 29508

Ion	Ratio	Lower	Upper
64	100		
66	31.7	0.0	58.7

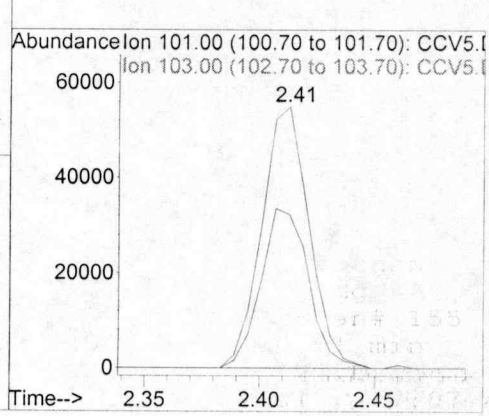


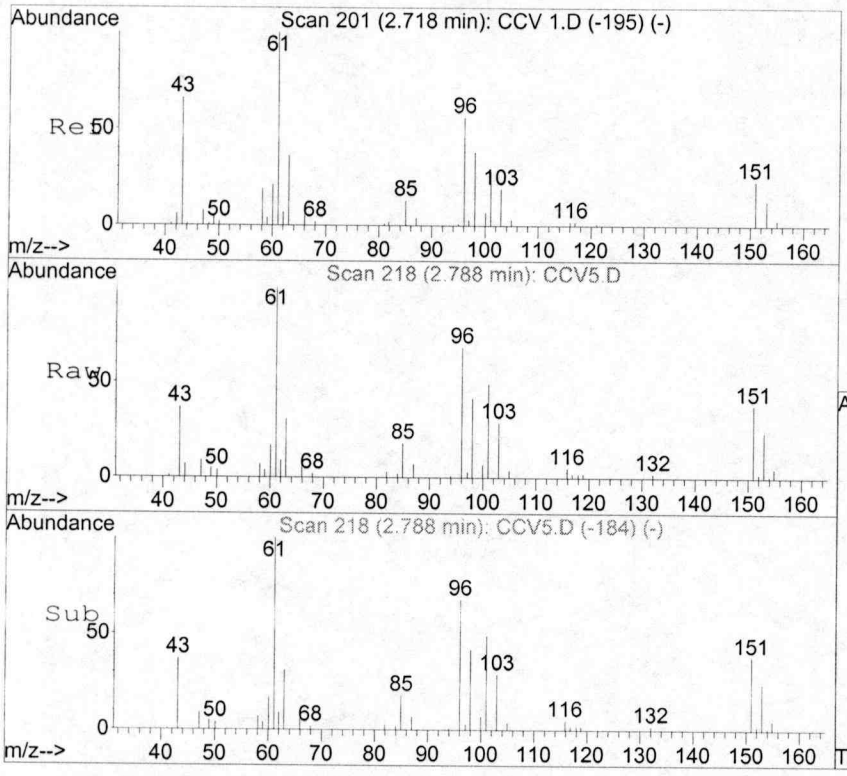


#8
Trichlorofluoromethane
Concen: 52.22 ng
RT: 2.41 min Scan# 155
Delta R.T. 0.01 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:101 Resp: 78327

Ion	Ratio	Lower	Upper
101	100		
103	58.7	33.2	93.2

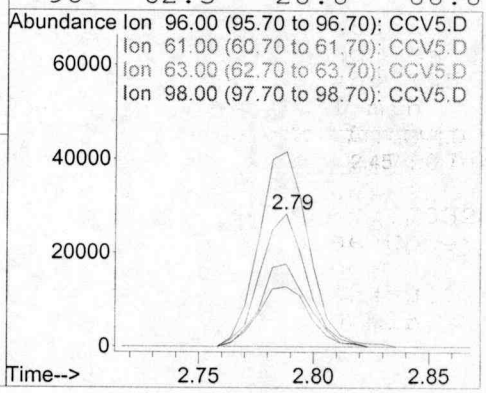


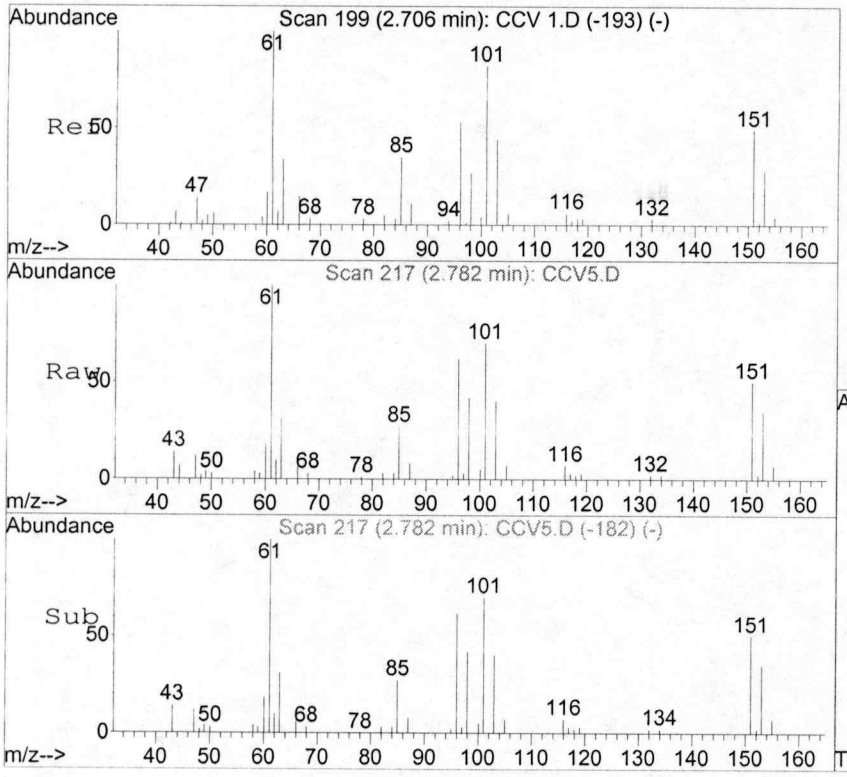


#9
1,1-Dichloroethene
Concen: 50.09 ng
RT: 2.79 min Scan# 218
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 96 Resp: 39529

Ion	Ratio	Lower	Upper
96	100		
61	146.9	139.2	199.2
63	45.2	18.9	78.9
98	62.3	28.8	88.8

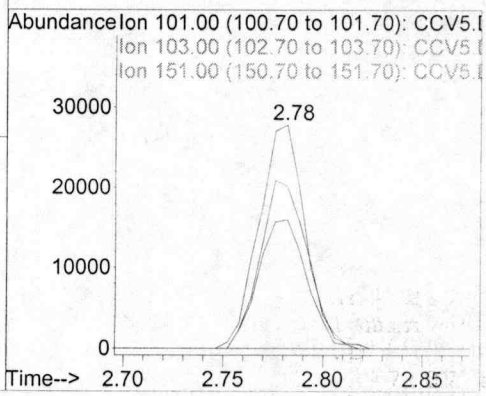


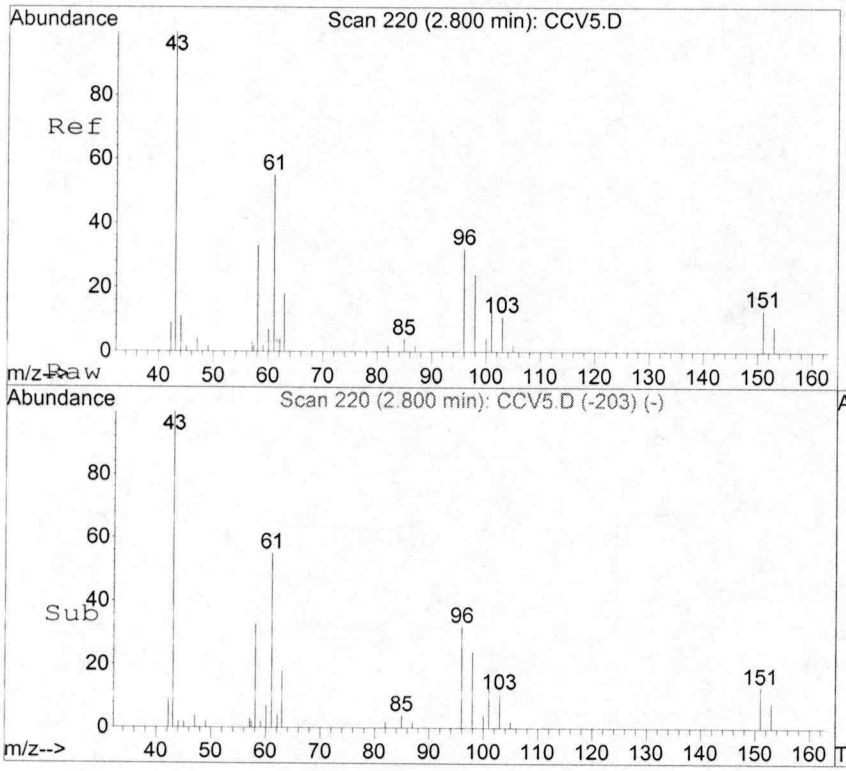


#10
Freon-113
Concen: 48.12 ng
RT: 2.78 min Scan# 217
Delta R.T. 0.01 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:101 Resp: 44705

Ion	Ratio	Lower	Upper
101	100		
103	57.4	32.5	92.5
151	72.5	60.9	120.9

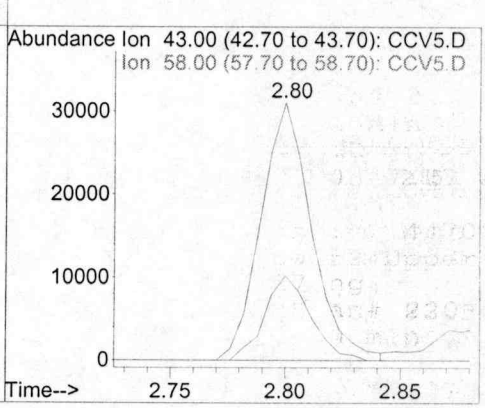


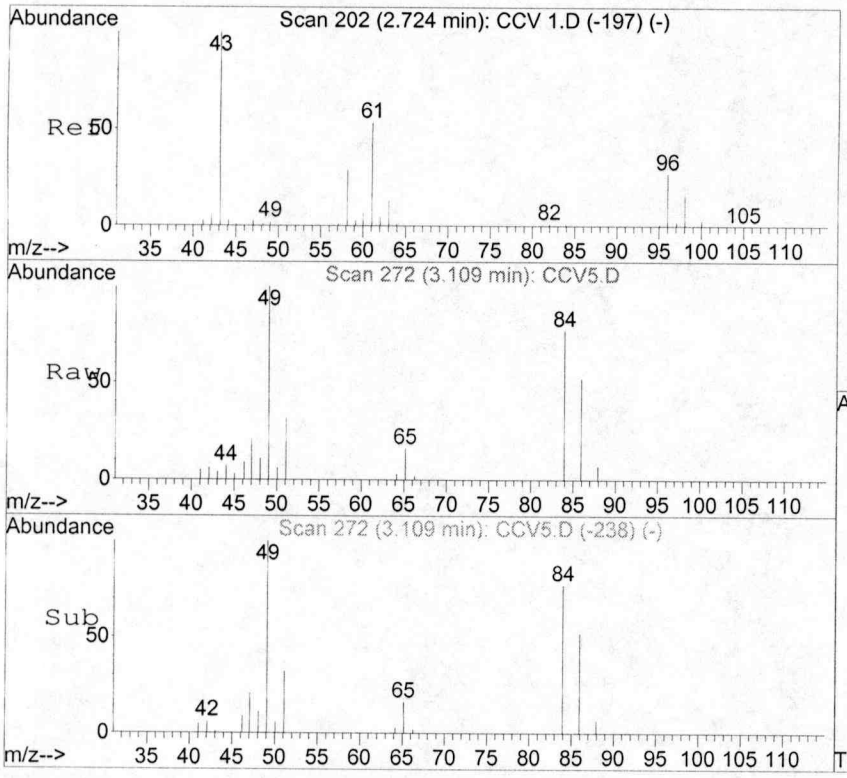


#11
acetone
Concen: 273.27 ng
RT: 2.80 min Scan# 220
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 43 Resp: 47494

Ion	Ratio	Lower	Upper
43	100		
58	32.9	24.4	36.6

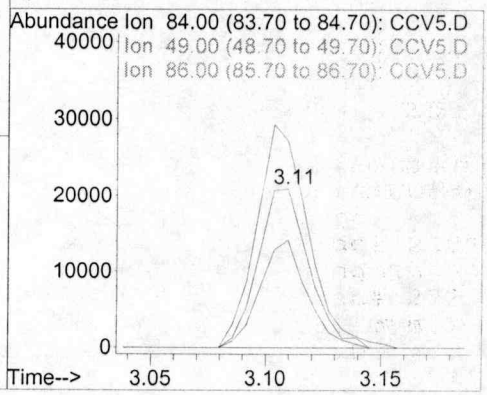


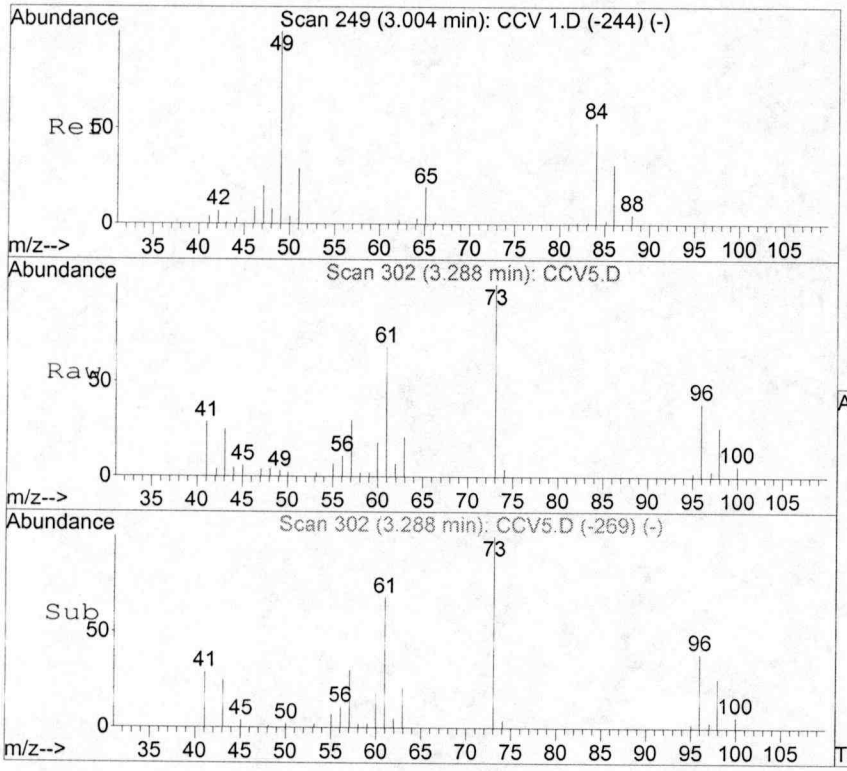


#12
Methylene Chloride
Concen: 47.66 ng
RT: 3.11 min Scan# 272
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 84 Resp: 31996

Ion	Ratio	Lower	Upper
84	100		
49	129.8	134.9	194.9#
86	67.8	33.0	93.0

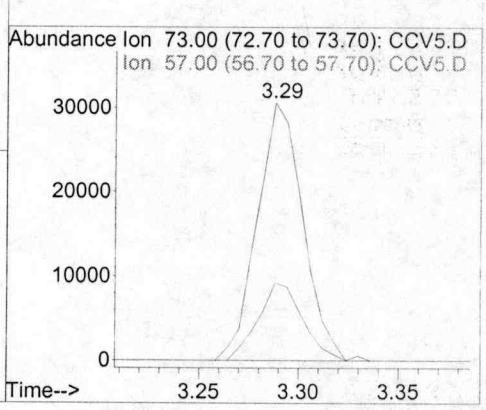


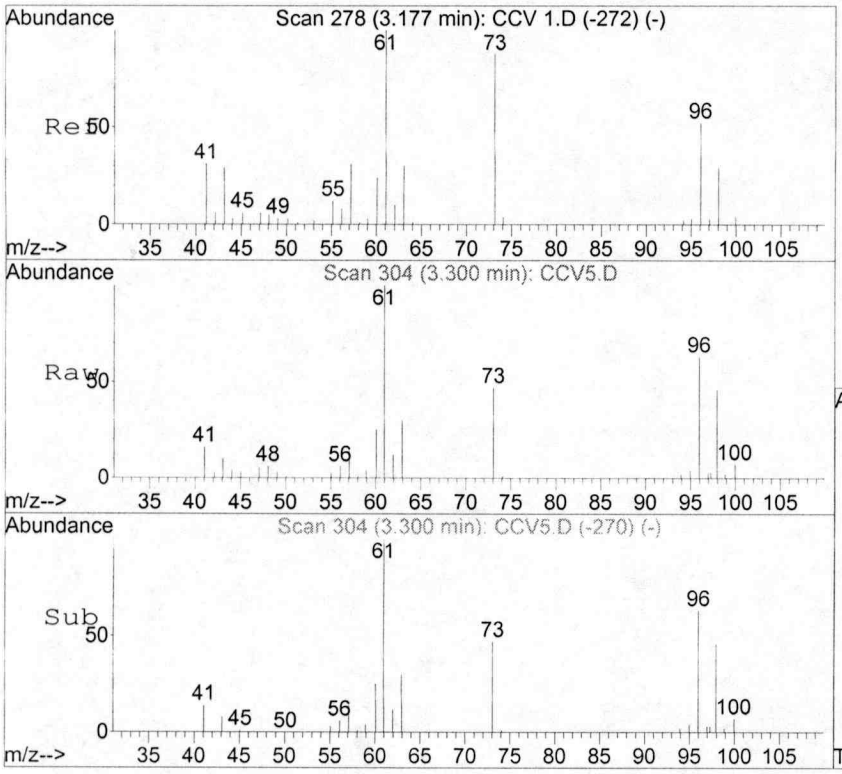


#13
MTBE*
Concen: 52.90 ng
RT: 3.29 min Scan# 302
Delta R.T. -0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 73 Resp: 48727

Ion	Ratio	Lower	Upper
73	100		
57	30.1	0.0	58.3

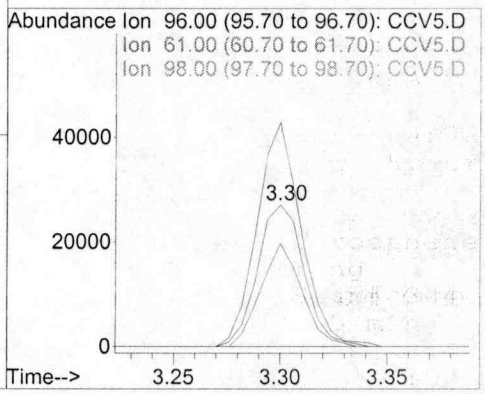


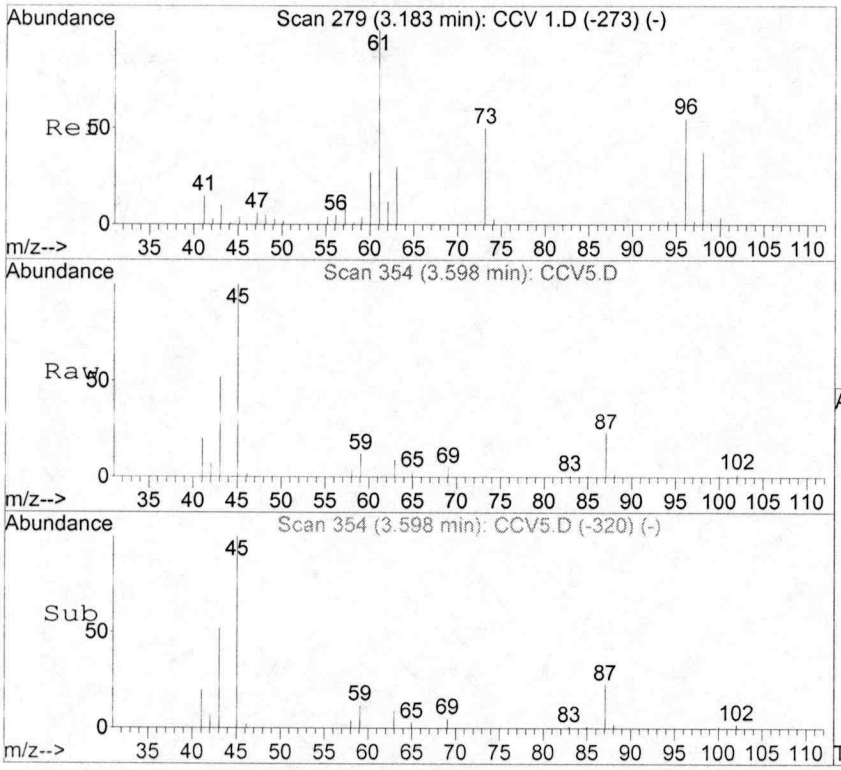


#14
trans-1,2-Dichloroethene
Concen: 48.11 ng
RT: 3.30 min Scan# 304
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 96 Resp: 40792

Ion	Ratio	Lower	Upper
96	100		
61	158.3	122.9	182.9
98	72.9	40.0	100.0

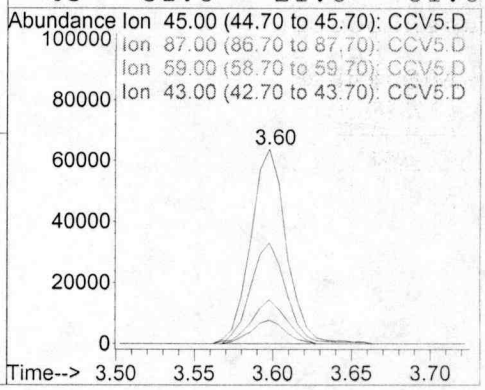


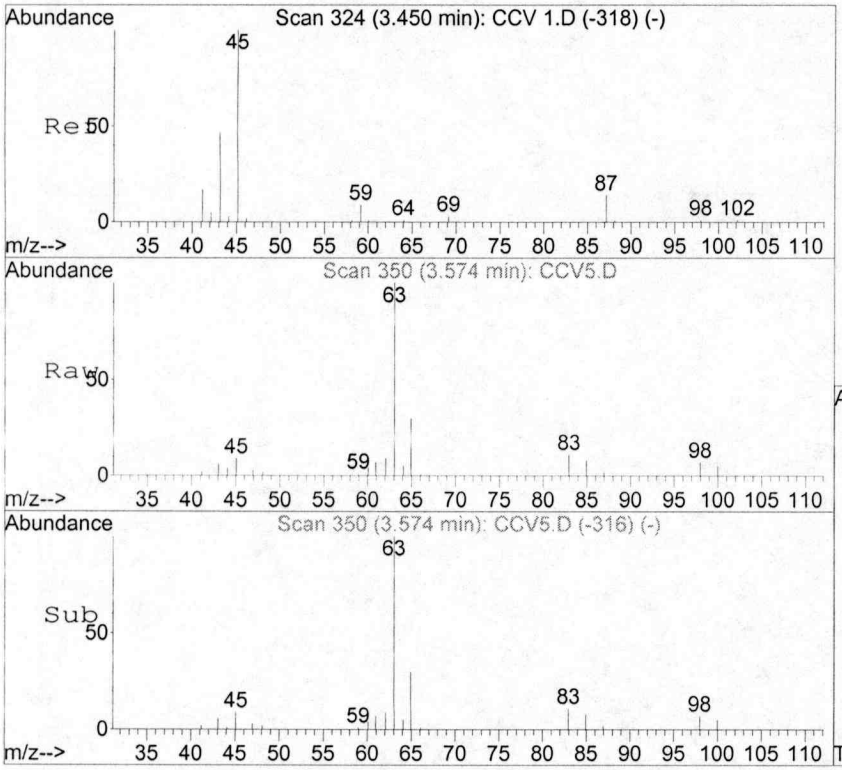


#15
Diisopropyl ether*
Concen: 50.49 ng
RT: 3.60 min Scan# 354
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 45 Resp: 100542

Ion	Ratio	Lower	Upper
45	100		
87	22.5	0.0	52.0
59	12.0	0.0	41.6
43	51.8	21.8	81.8

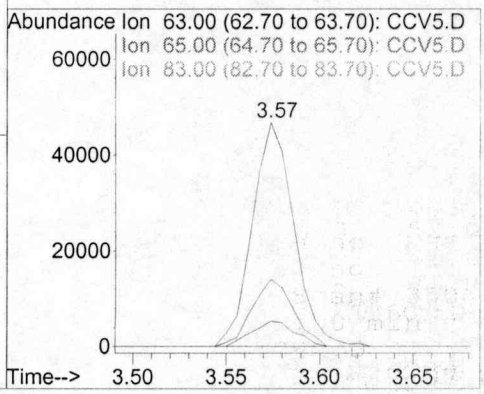


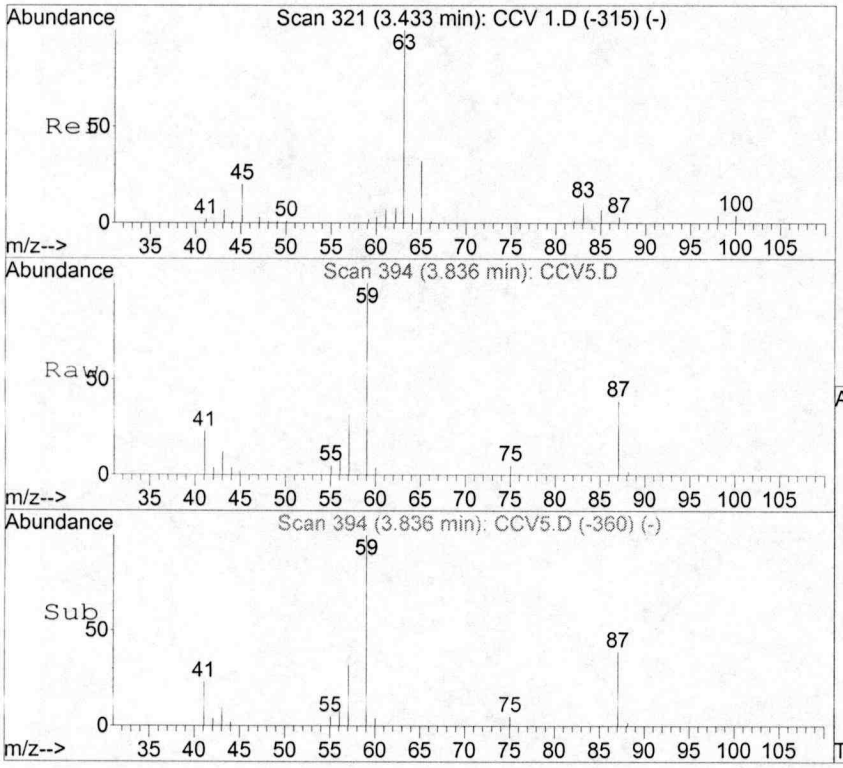


#16
1,1-Dichloroethane
Concen: 48.62 ng
RT: 3.57 min Scan# 350
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 63 Resp: 72364

Ion	Ratio	Lower	Upper
63	100		
65	30.2	0.2	60.2
83	11.3	0.0	43.2

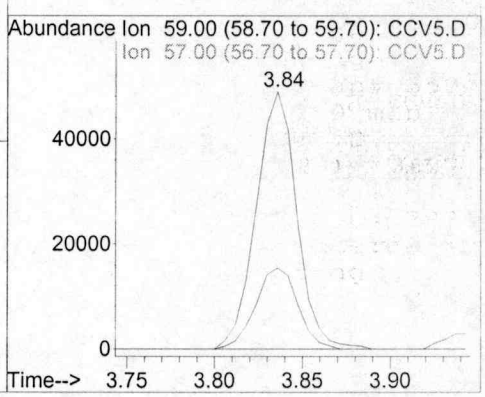


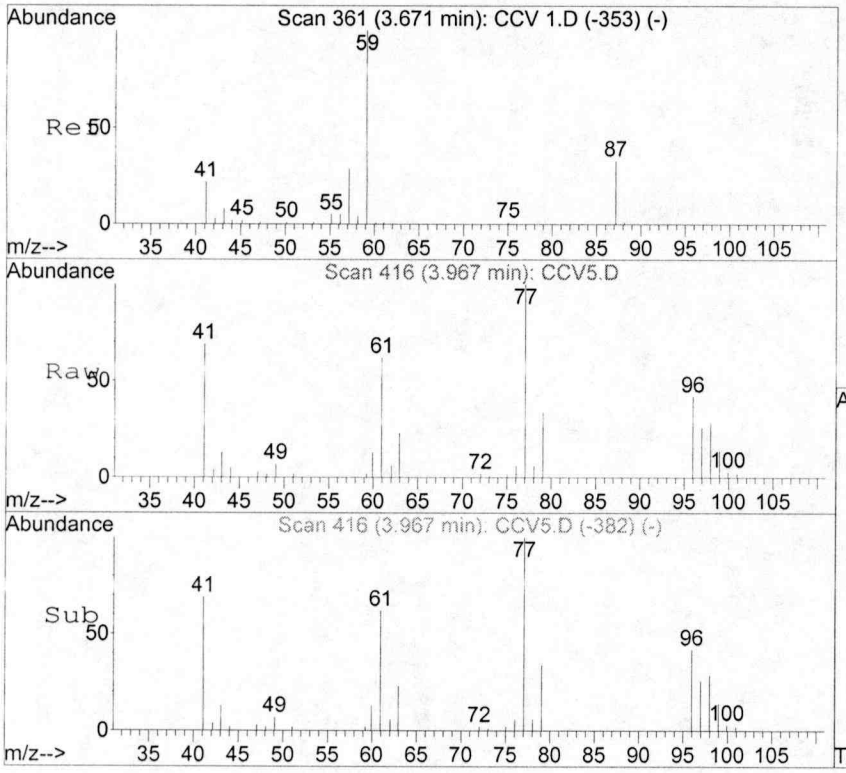


#17
Ethyl-t-butyl ether*
Concen: 47.33 ng
RT: 3.84 min Scan# 394
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 59 Resp: 78635

Ion	Ratio	Lower	Upper
59	100		
57	31.5	3.4	63.4

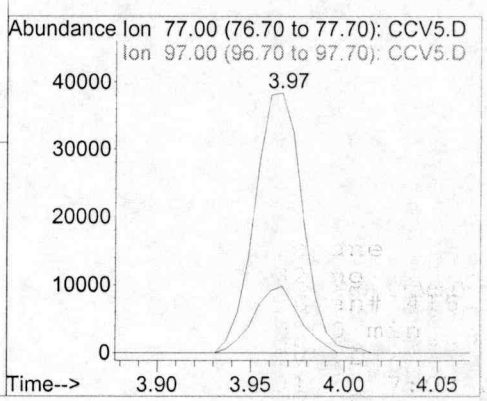


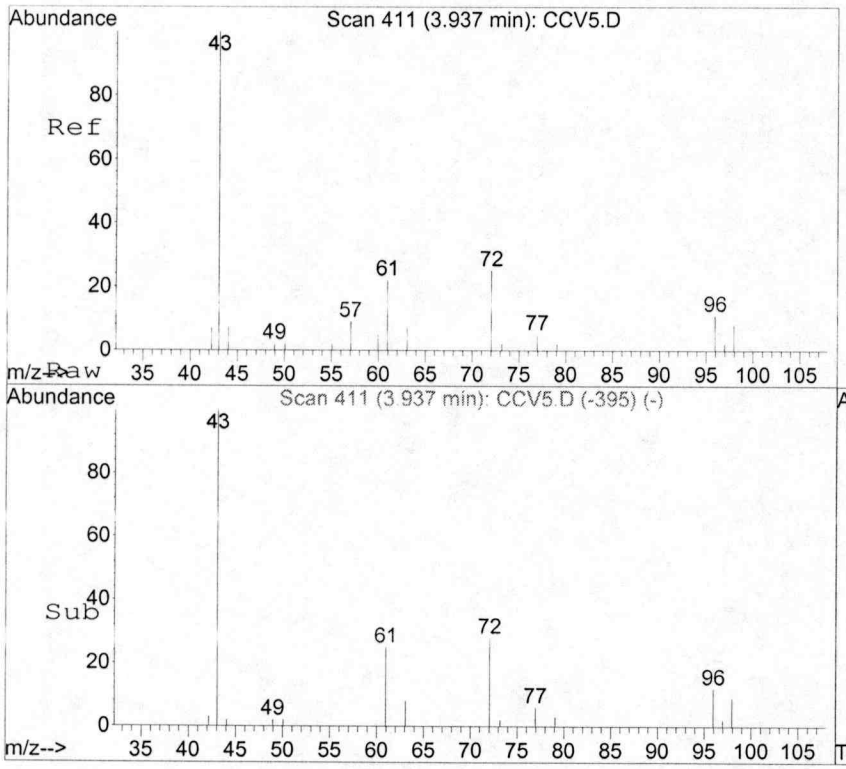


#18
2,2-Dichloropropane
Concen: 54.32 ng
RT: 3.97 min Scan# 416
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 77 Resp: 68125

Ion	Ratio	Lower	Upper
77	100		
97	25.6	0.0	53.0

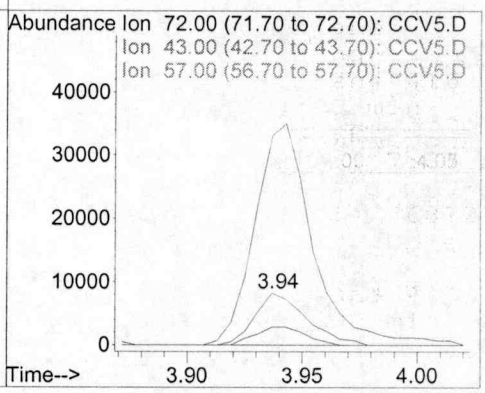


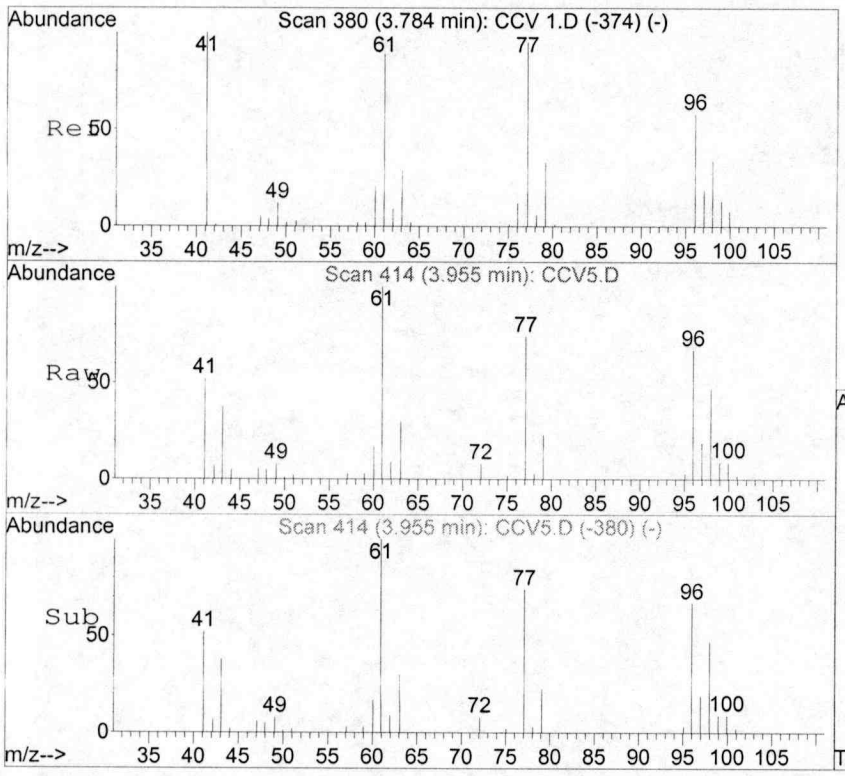


#19
2-Butanone
Concen: 491.04 ng
RT: 3.94 min Scan# 411
Delta R.T. -0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 72 Resp: 12821

Ion	Ratio	Lower	Upper
72	100		
43	402.9	399.7	599.5
57	34.8	31.6	47.4

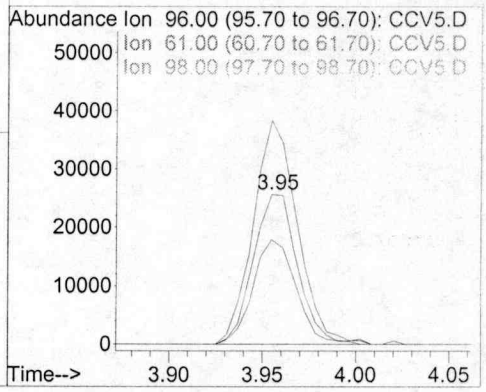


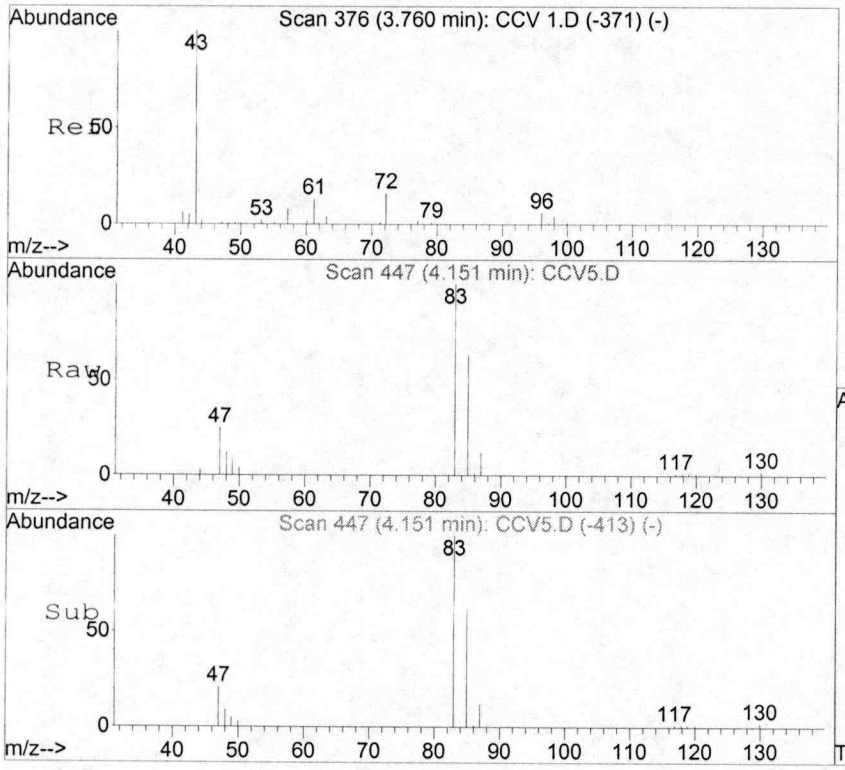


#20
cis-1,2-Dichloroethene
Concen: 51.22 ng
RT: 3.95 min Scan# 414
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 96 Resp: 42401

Ion	Ratio	Lower	Upper
96	100		
61	149.7	131.0	191.0
98	69.8	35.2	95.2

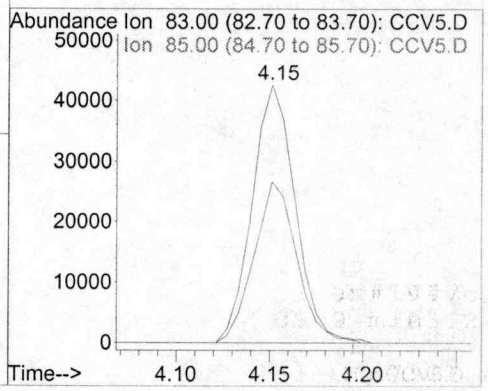


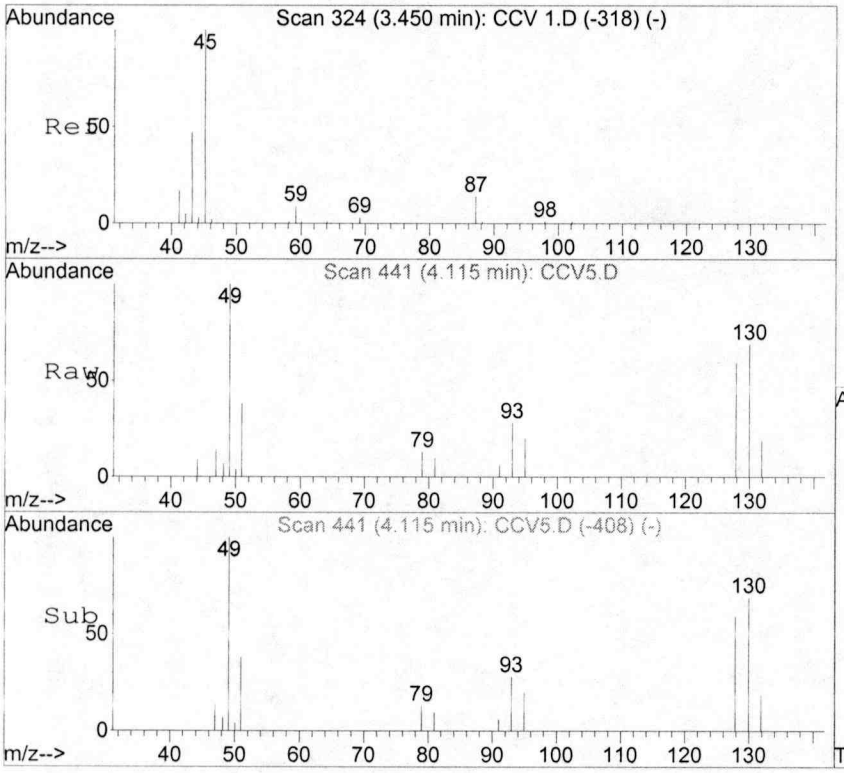


#21
Chloroform
Concen: 52.97 ng
RT: 4.15 min Scan# 447
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 83 Resp: 68344

Ion	Ratio	Lower	Upper
83	100		
85	62.6	40.2	100.2

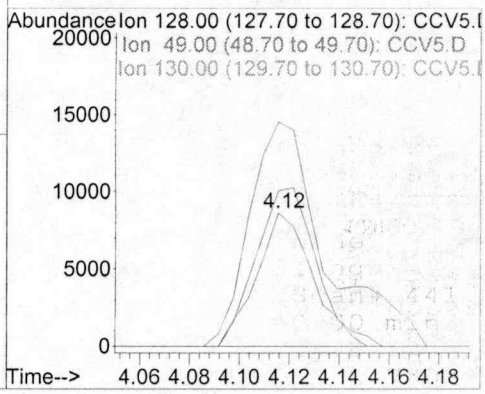


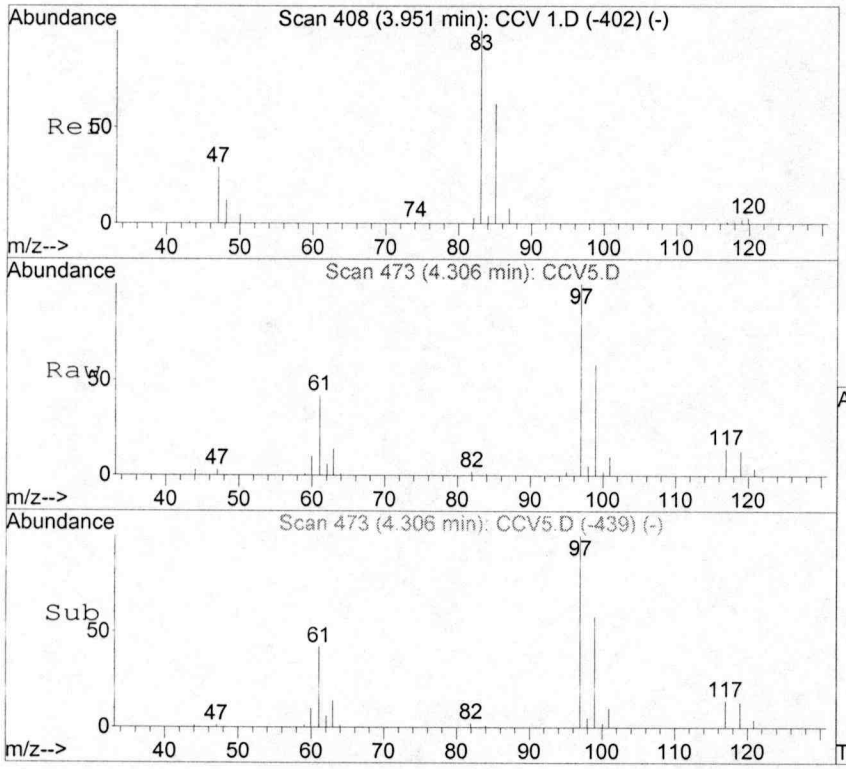


#22
Bromochloromethane
Concen: 42.31 ng
RT: 4.12 min Scan# 441
Delta R.T. -0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:128 Resp: 13407

Ion	Ratio	Lower	Upper
128	100		
49	168.4	156.0	216.0
130	116.5	89.9	149.9

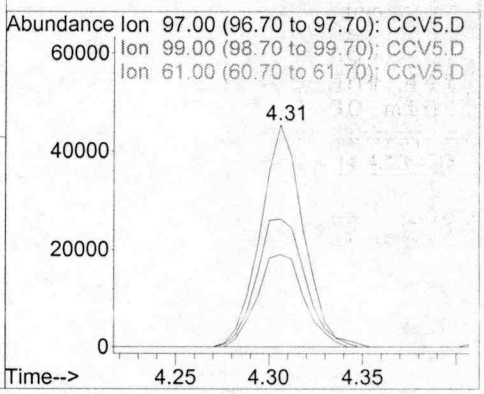


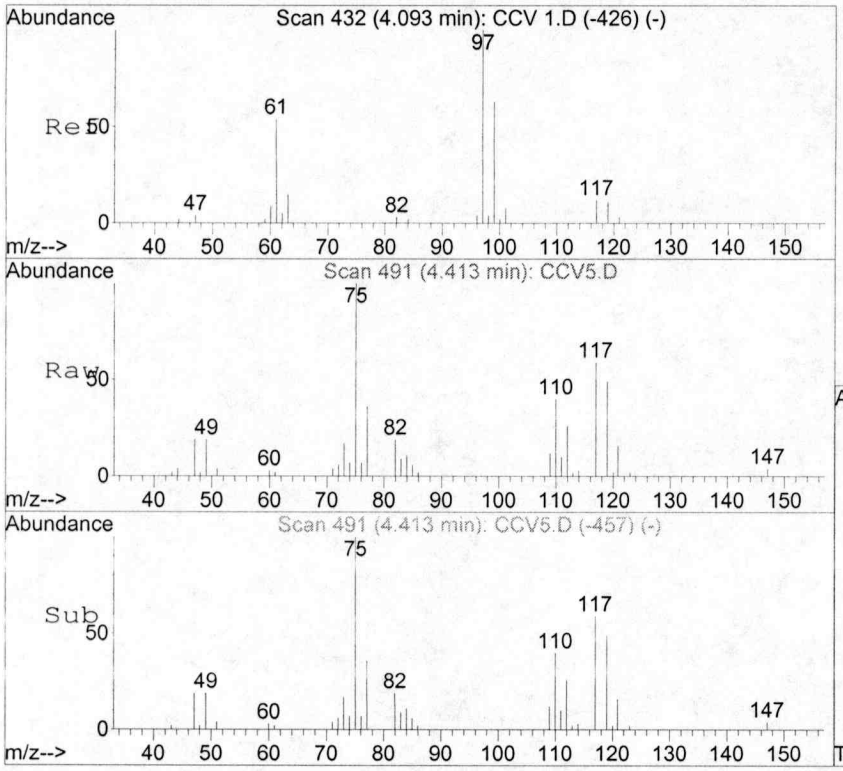


#23
1,1,1-Trichloroethane
Concen: 51.67 ng
RT: 4.31 min Scan# 473
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 97 Resp: 72767

Ion	Ratio	Lower	Upper
97	100		
99	57.8	30.7	90.7
61	41.9	15.9	75.9

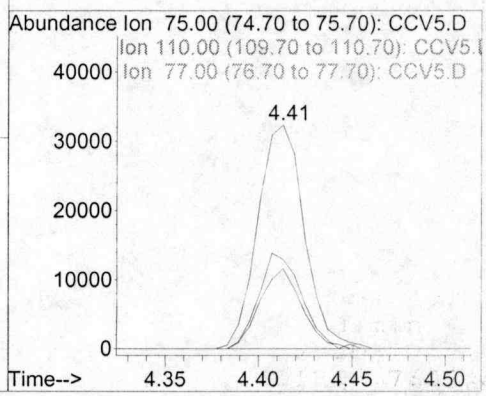


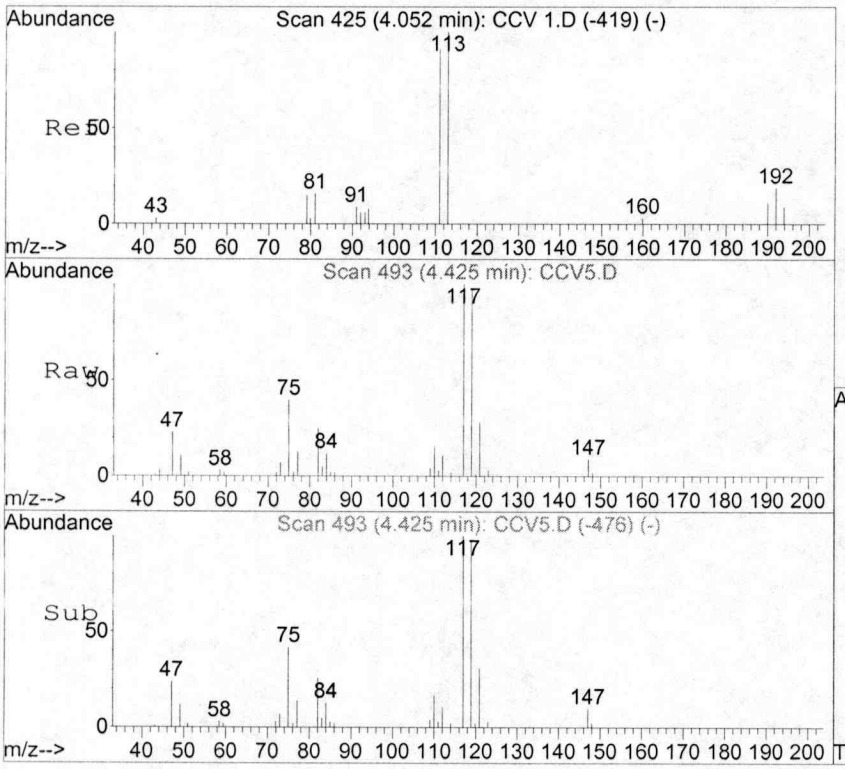


#25
1,1-Dichloropropene
Concen: 49.43 ng
RT: 4.41 min Scan# 491
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 75 Resp: 56037

Ion	Ratio	Lower	Upper
75	100		
110	40.1	5.0	65.0
77	36.0	0.8	60.8

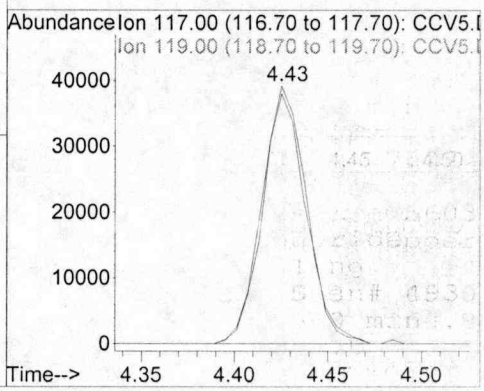


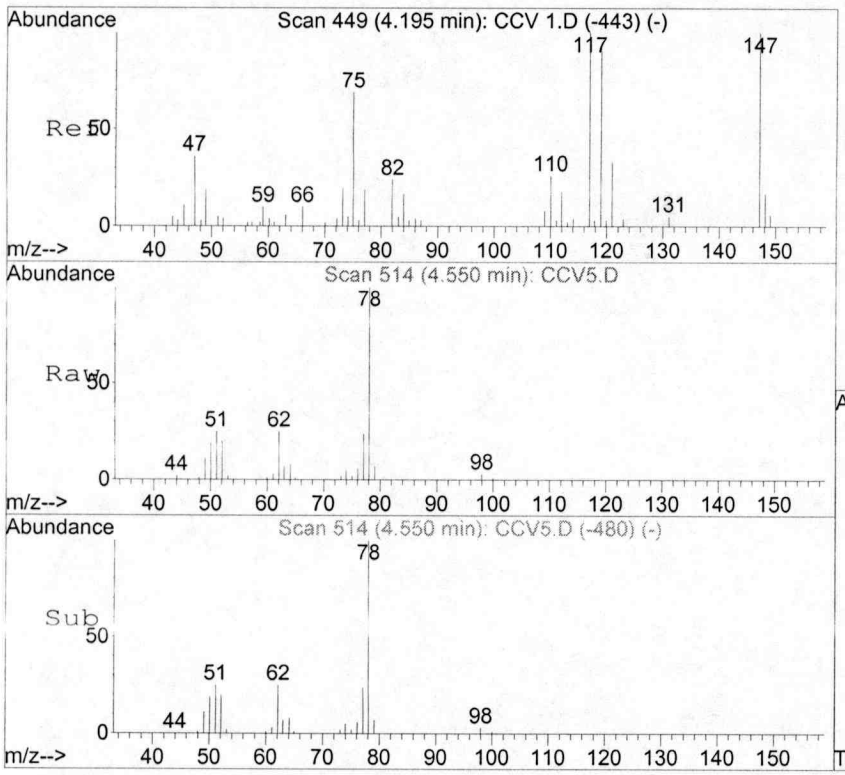


#26
Carbon Tetrachloride
Concen: 47.11 ng
RT: 4.43 min Scan# 493
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:117 Resp: 65577

Ion	Ratio	Lower	Upper
117	100		
119	96.9	60.8	120.8

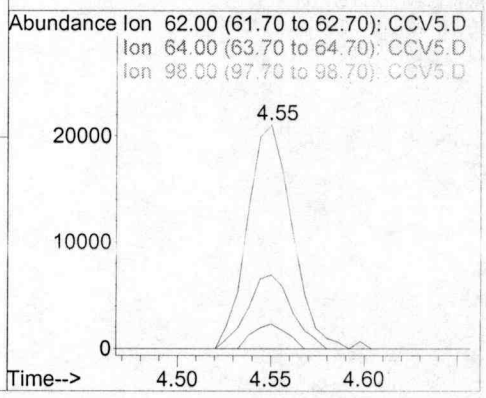


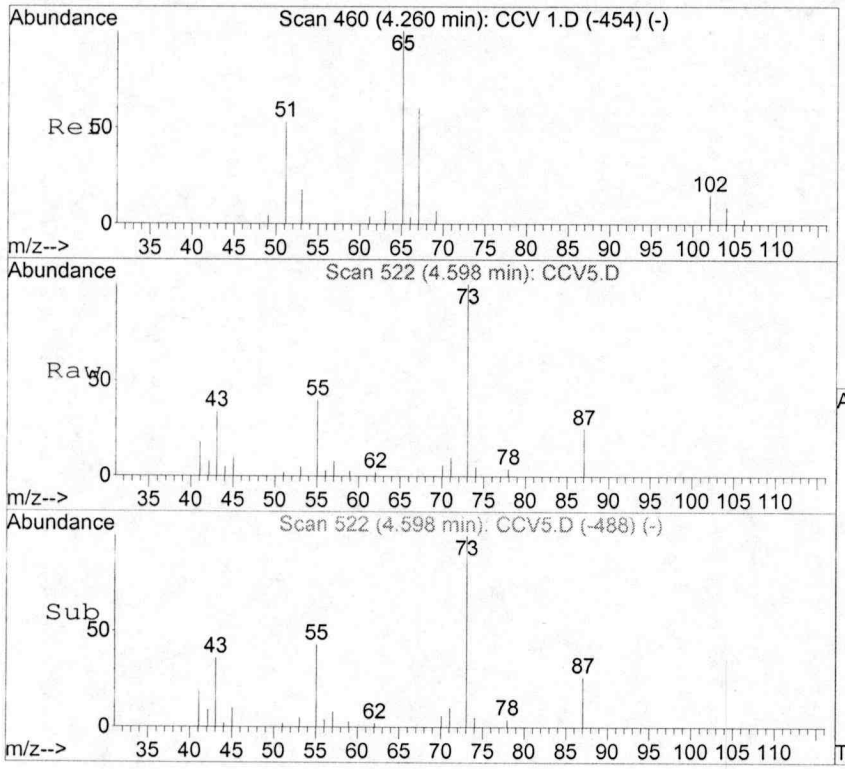


#28
1,2-Dichloroethane
Concen: 53.31 ng
RT: 4.55 min Scan# 514
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 62 Resp: 35113

Ion	Ratio	Lower	Upper
62	100		
64	33.0	0.1	60.1
98	11.1	0.0	41.6

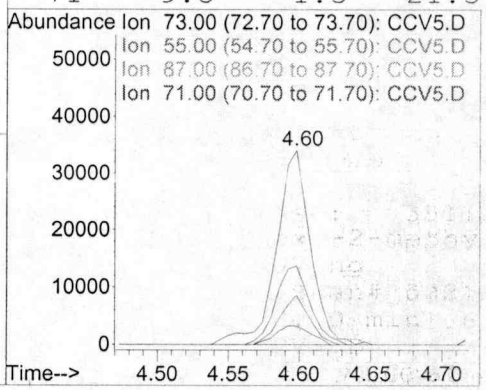


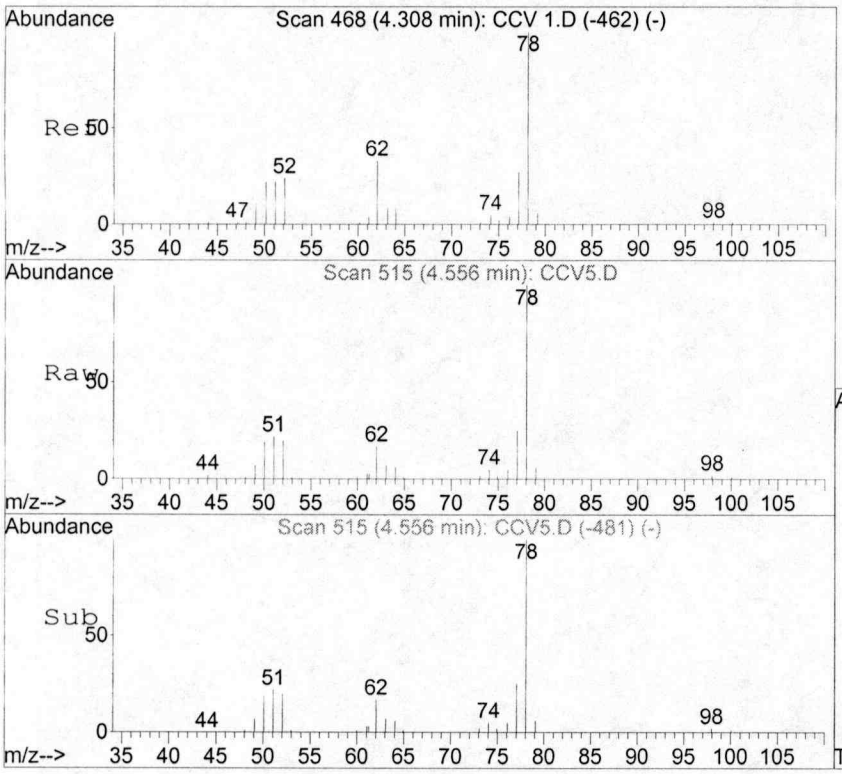


#29
TAME* (2-methoxy-2-methylbutane
Concen: 53.07 ng
RT: 4.60 min Scan# 522
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 73 Resp: 56669

Ion	Ratio	Lower	Upper
73	100		
55	40.3	14.6	74.6
87	25.0	0.0	54.3
71	9.5	1.5	21.5

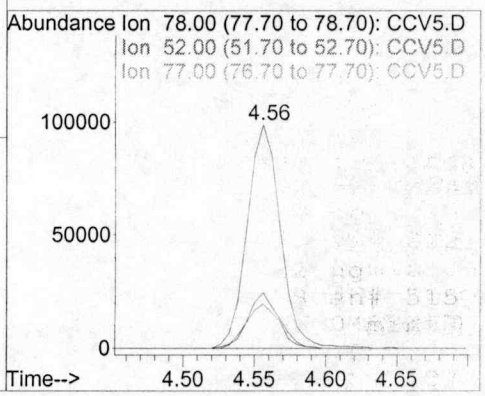


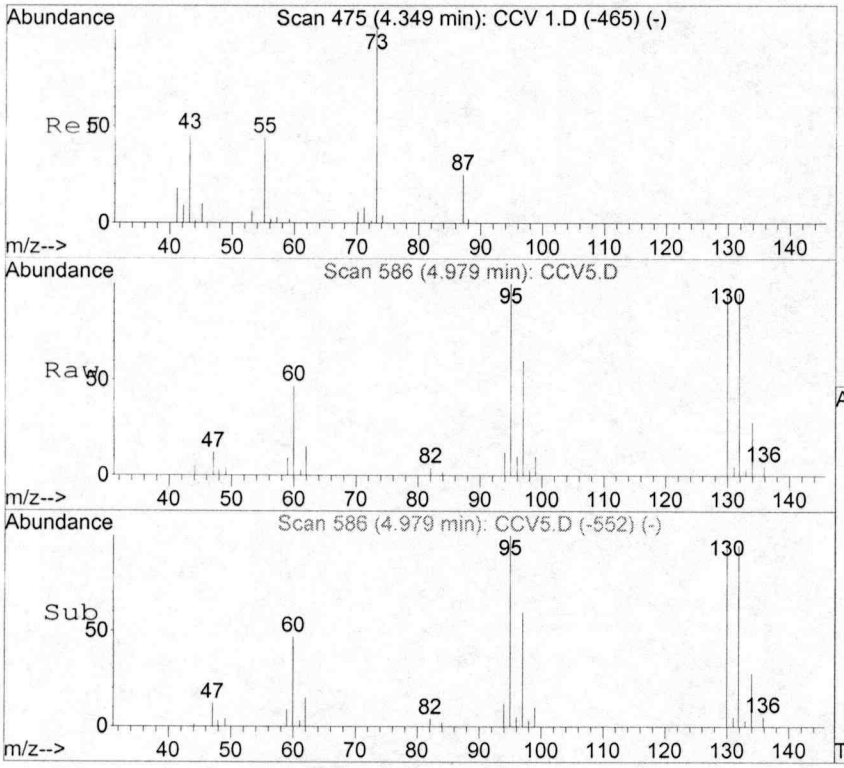


#30
Benzene*
Concen: 50.72 ng
RT: 4.56 min Scan# 515
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 78 Resp: 159843

Ion	Ratio	Lower	Upper
78	100		
52	19.8	3.8	43.8
77	24.8	4.0	44.0

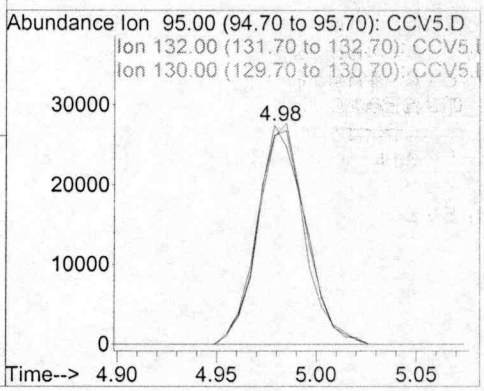


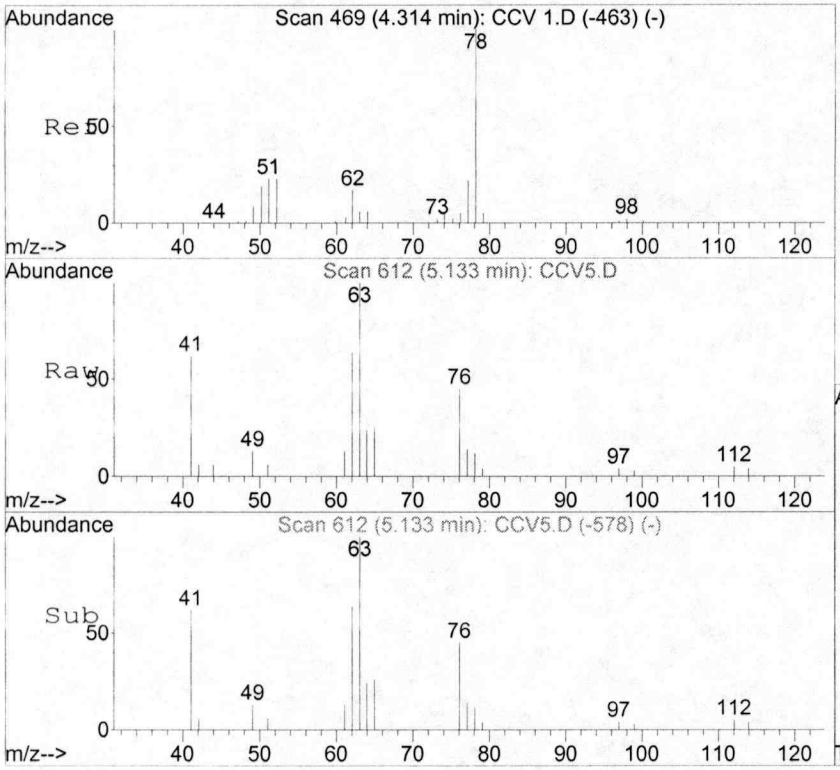


#31
Trichloroethene
Concen: 49.30 ng
RT: 4.98 min Scan# 586
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 95 Resp: 44692

Ion	Ratio	Lower	Upper
95	100		
132	94.8	92.0	152.0
130	95.6	88.9	148.9

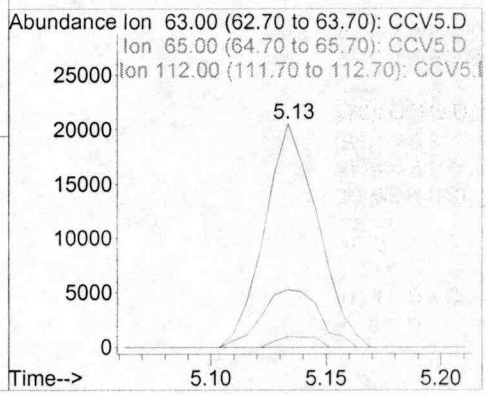


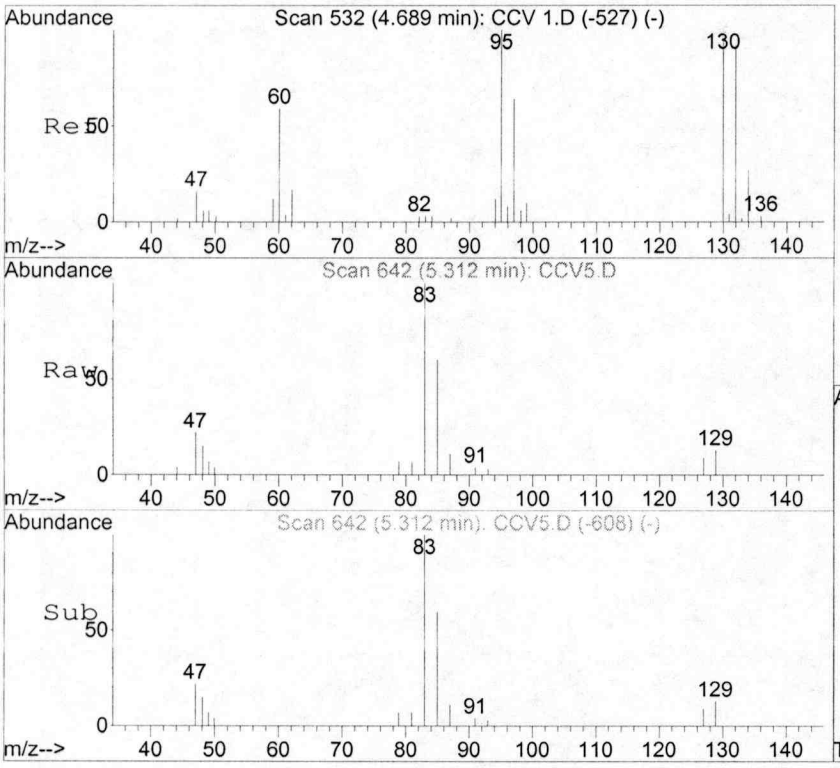


#32
1,2-Dichloropropane
Concen: 46.05 ng
RT: 5.13 min Scan# 612
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 63 Resp: 32715

Ion	Ratio	Lower	Upper
63	100		
65	25.6	0.0	59.5
112	4.7	0.0	34.6

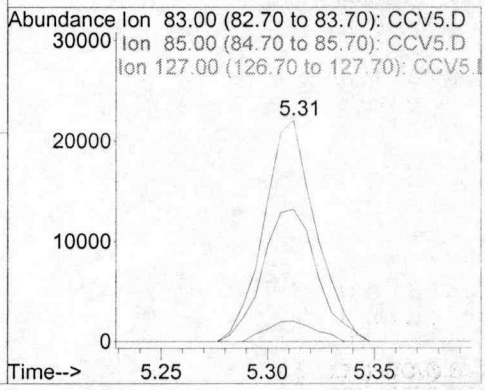


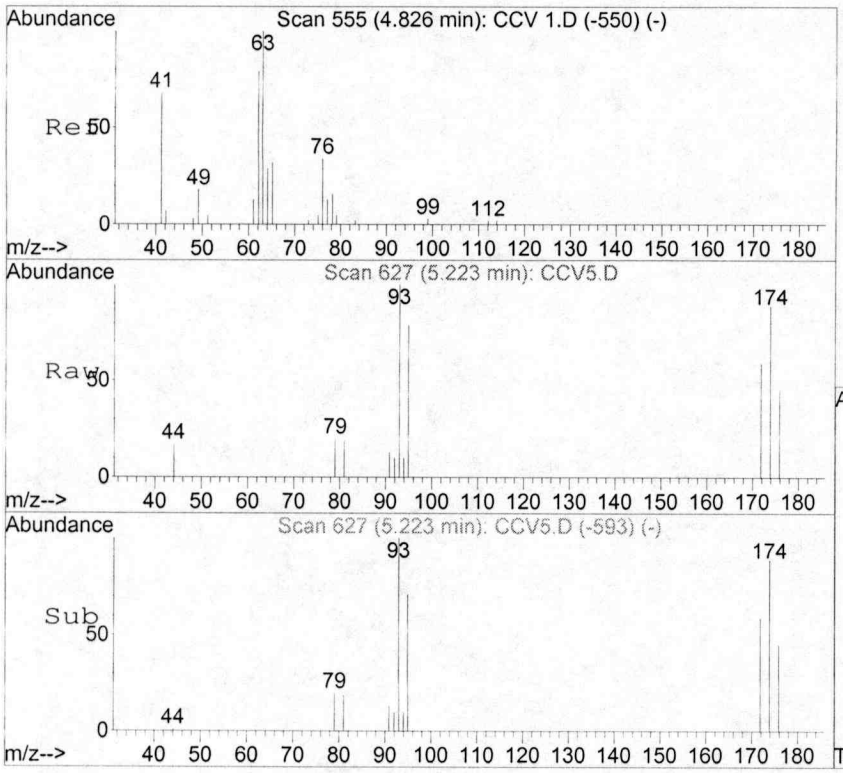


#33
Bromodichloromethane
Concen: 47.93 ng
RT: 5.31 min Scan# 642
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 83 Resp: 37215

Ion	Ratio	Lower	Upper
83	100		
85	59.8	33.6	93.6
127	9.2	0.0	41.0

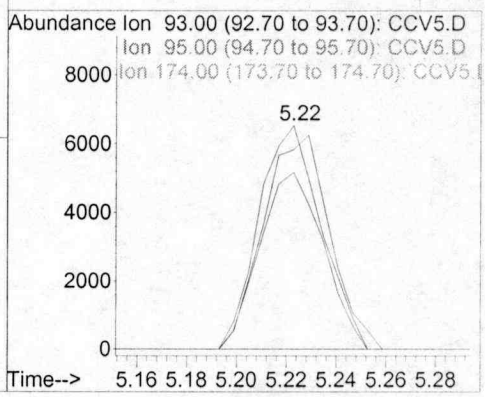


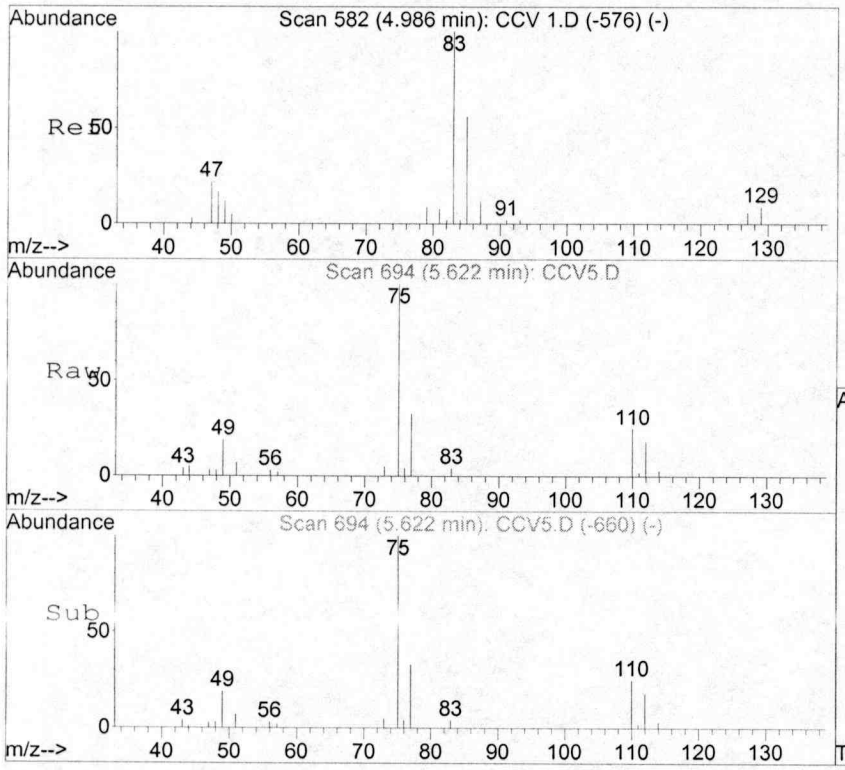


#34
Dibromomethane
Concen: 46.10 ng
RT: 5.22 min Scan# 627
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 93 Resp: 11367

Ion	Ratio	Lower	Upper
93	100		
95	79.2	55.8	115.8
174	89.2	79.1	139.1

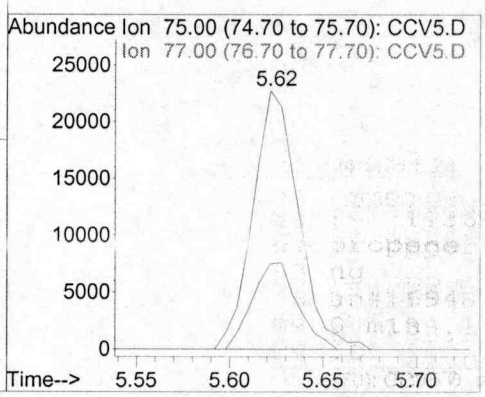


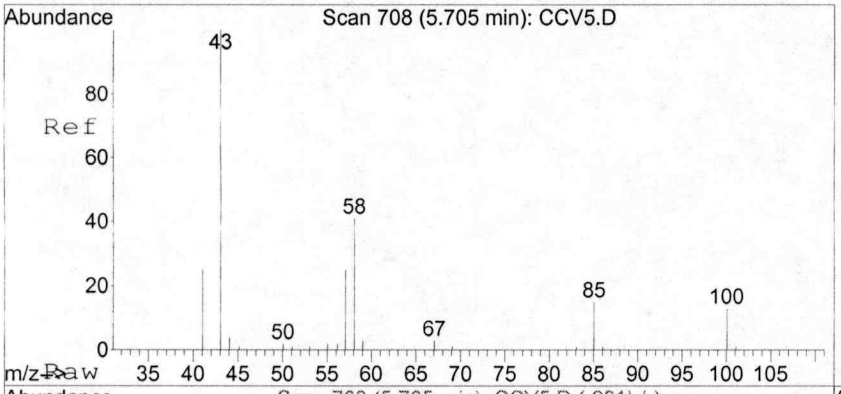


#35
cis-1,3-Dichloropropene
Concen: 47.93 ng
RT: 5.62 min Scan# 694
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 75 Resp: 38607

Ion	Ratio	Lower	Upper
75	100		
77	33.0	0.0	57.2

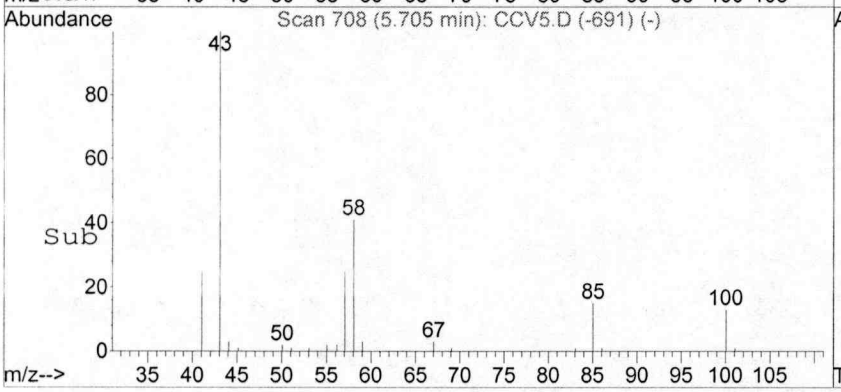


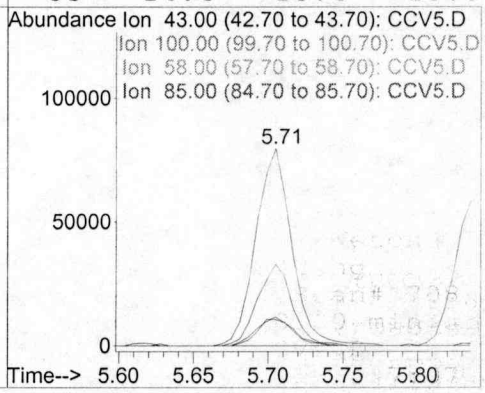


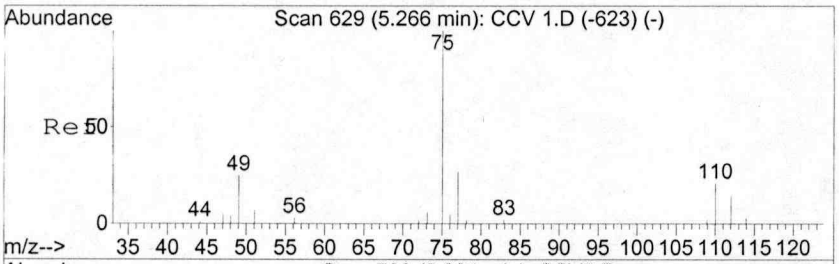
#36
Methyl Isobutyl Ketone
Concen: 465.42 ng
RT: 5.71 min Scan# 708
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 43 Resp: 132732

Ion	Ratio	Lower	Upper
43	100		
100	13.4	9.9	14.9
58	41.5	29.9	44.9
85	14.6	10.6	15.8



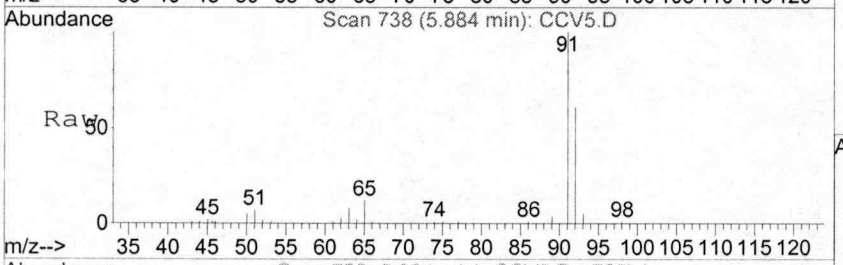


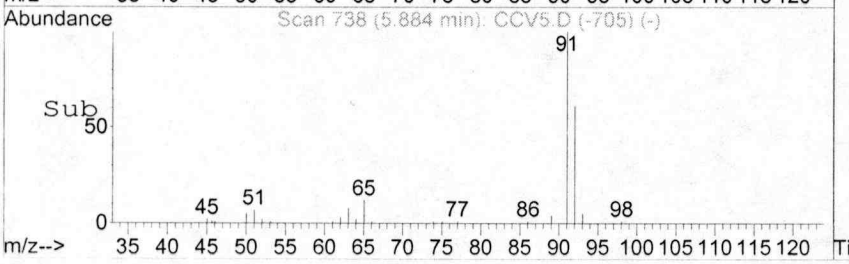


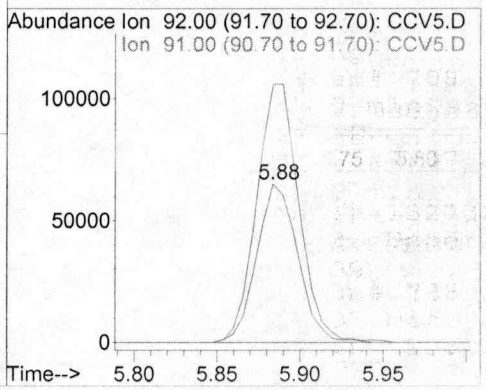
#38
Toluene*
Concen: 48.26 ng
RT: 5.88 min Scan# 738
Delta R.T. -0.01 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

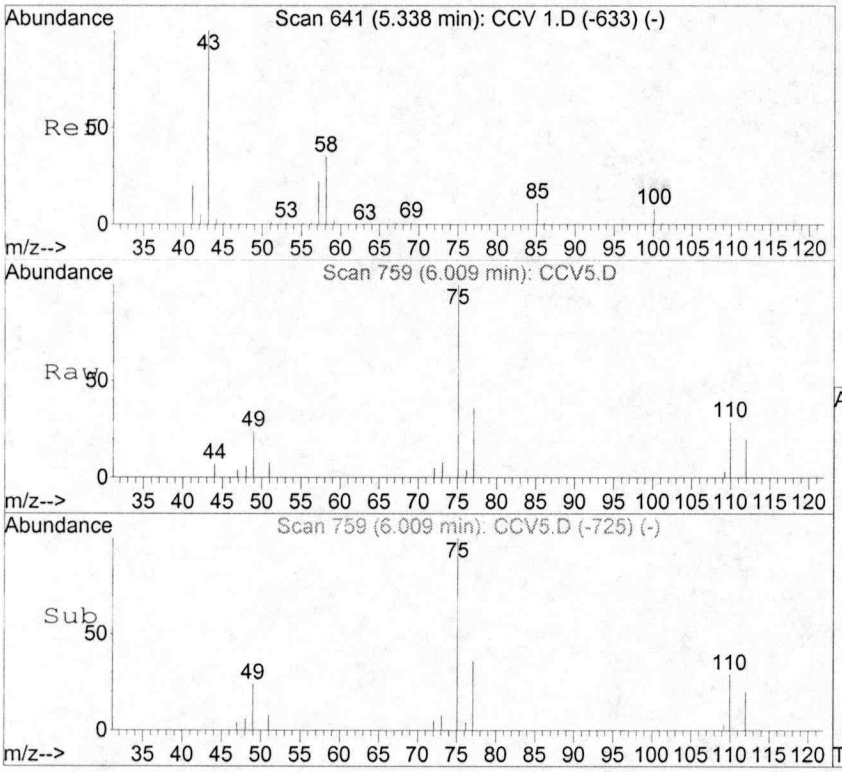
Tgt Ion: 92 Resp: 111979

Ion	Ratio	Lower	Upper
92	100		
91	163.0	130.7	190.7





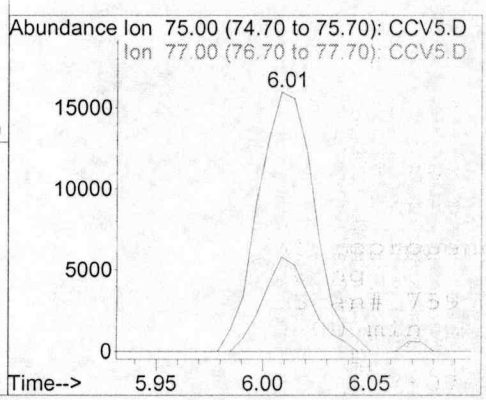


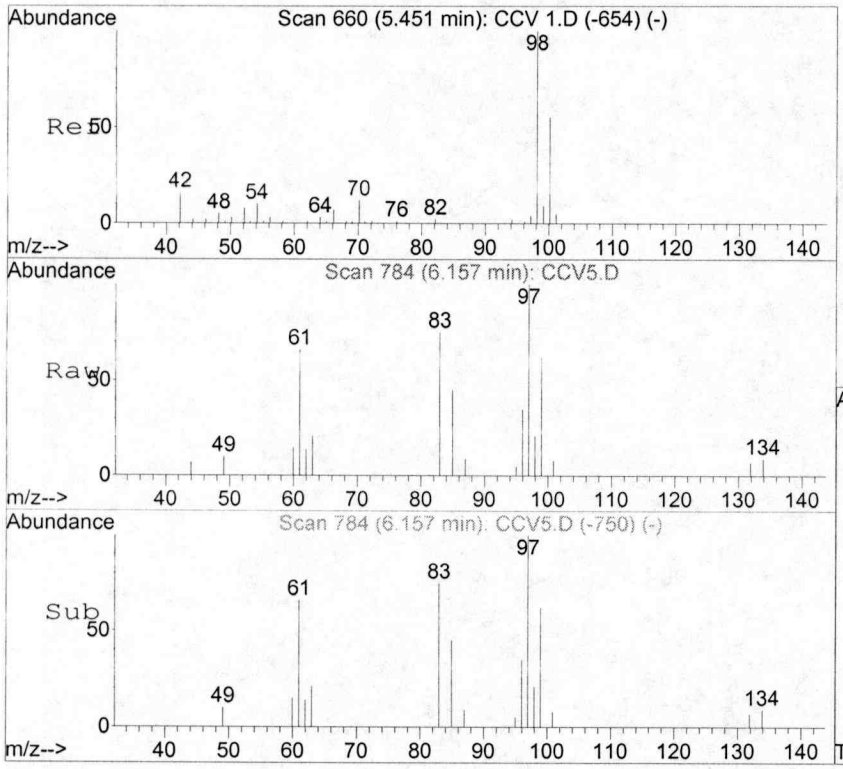


#39
trans-1,3-Dichloropropene
Concen: 46.68 ng
RT: 6.01 min Scan# 759
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 75 Resp: 29375

Ion	Ratio	Lower	Upper
75	100		
77	36.3	0.7	60.7

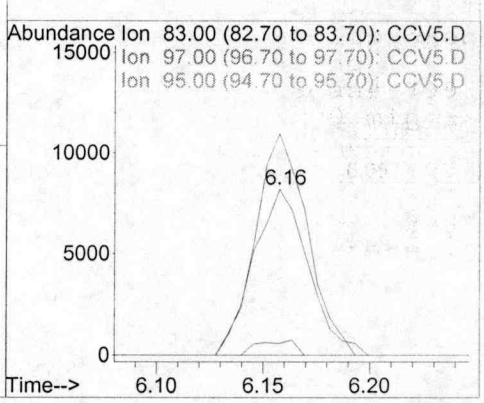


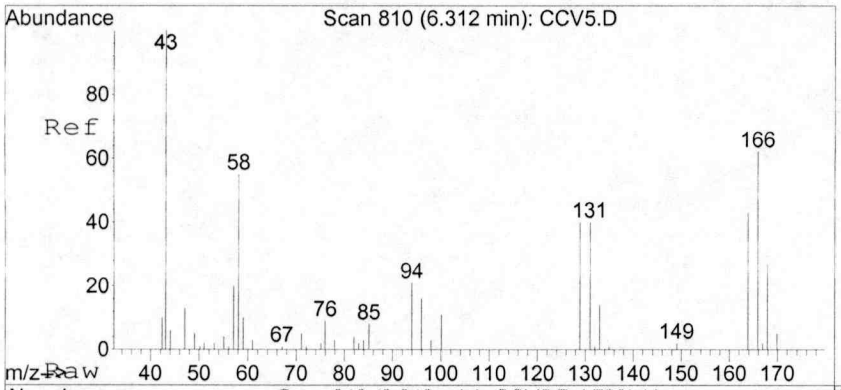


#40
1,1,2-Trichloroethane
Concen: 46.91 ng
RT: 6.16 min Scan# 784
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 83 Resp: 14667

Ion	Ratio	Lower	Upper
83	100		
97	133.8	86.6	146.6
95	7.0	0.0	37.8

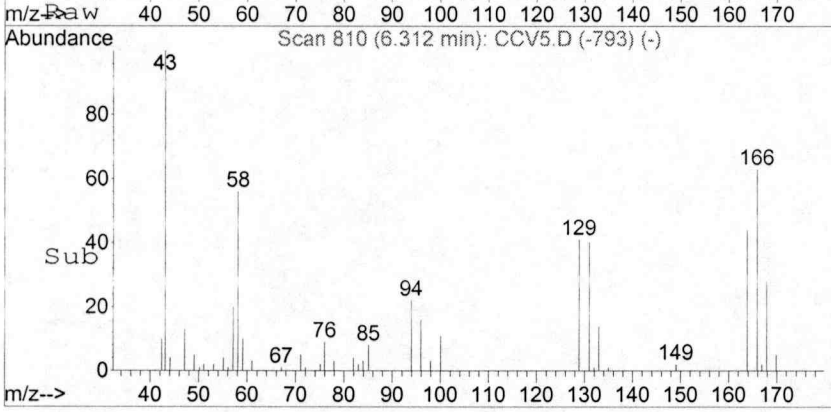


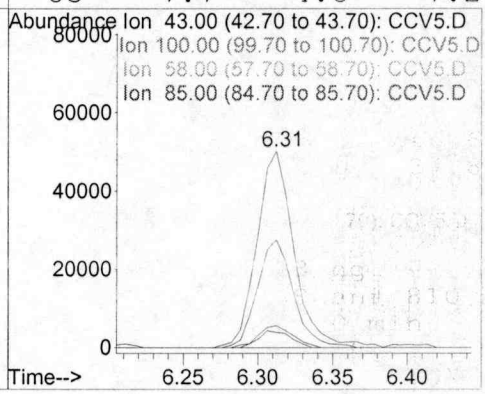


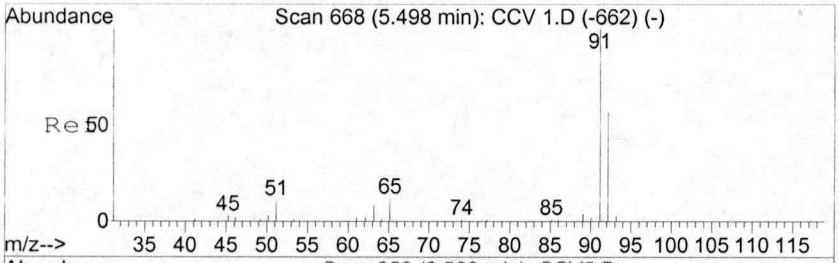
#41
2-Hexanone
Concen: 464.23 ng
RT: 6.31 min Scan# 810
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 43 Resp: 86164

Ion	Ratio	Lower	Upper
43	100		
100	11.1	8.5	12.7
58	54.8	41.6	62.4
85	7.7	4.8	7.2#



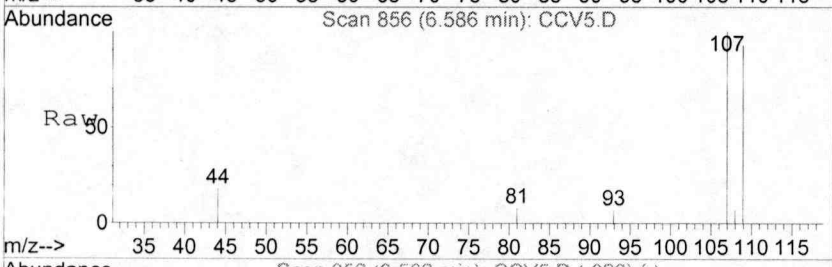


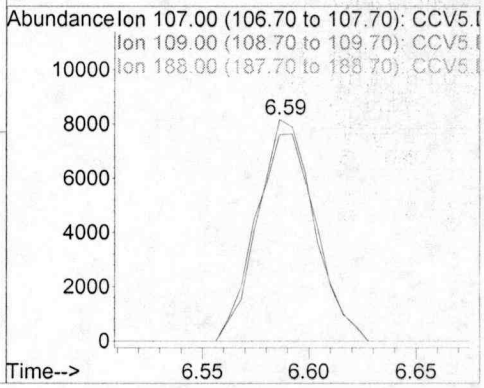


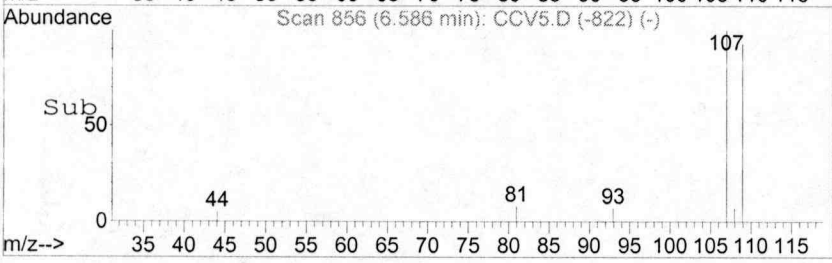
#42
1,2-Dibromoethane
Concen: 43.90 ng
RT: 6.59 min Scan# 856
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

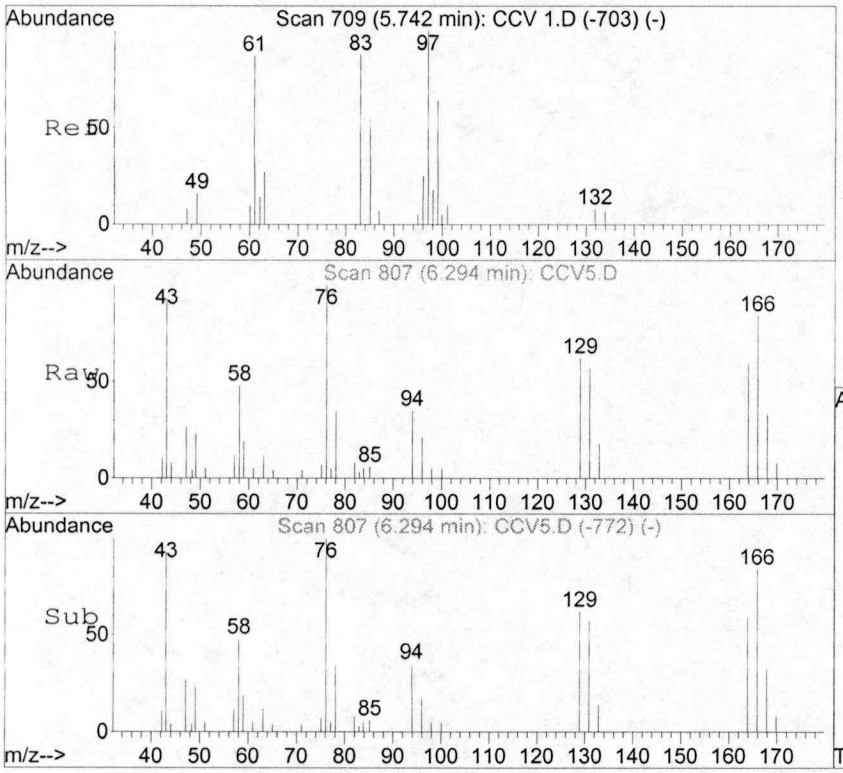
Tgt Ion:107 Resp: 15009

Ion	Ratio	Lower	Upper
107	100		
109	93.3	54.4	114.4
188	0.0	0.0	30.0





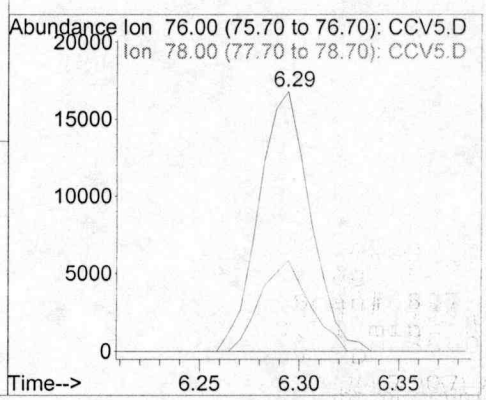


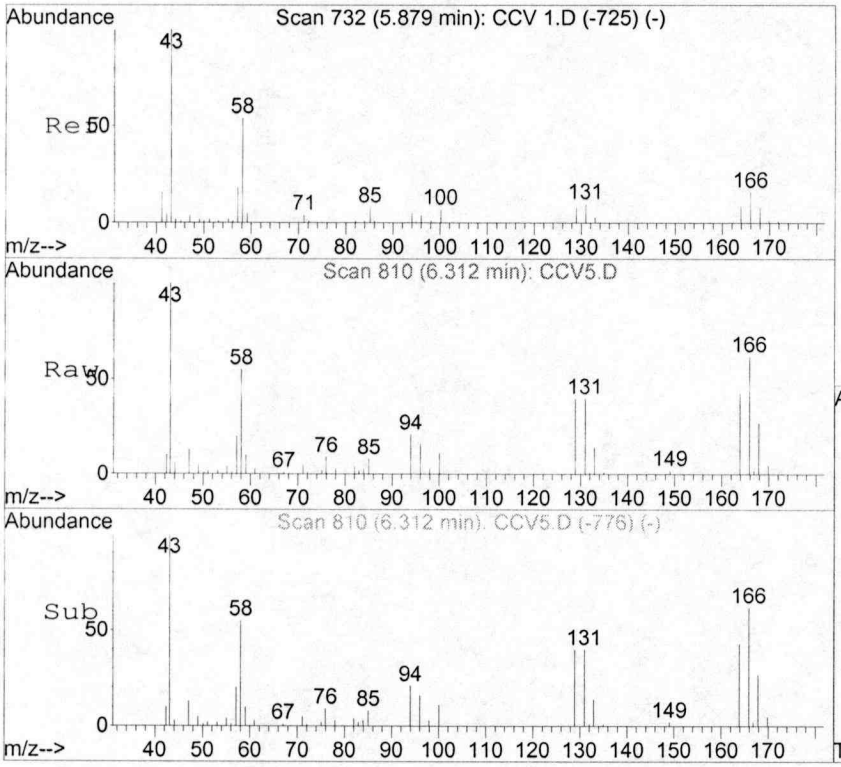


#44
1,3-Dichloropropane
Concen: 46.27 ng
RT: 6.29 min Scan# 807
Delta R.T. 0.01 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 76 Resp: 30087

Ion	Ratio	Lower	Upper
76	100		
78	34.7	0.0	59.3

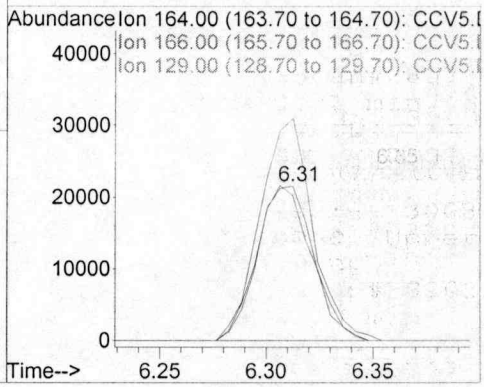


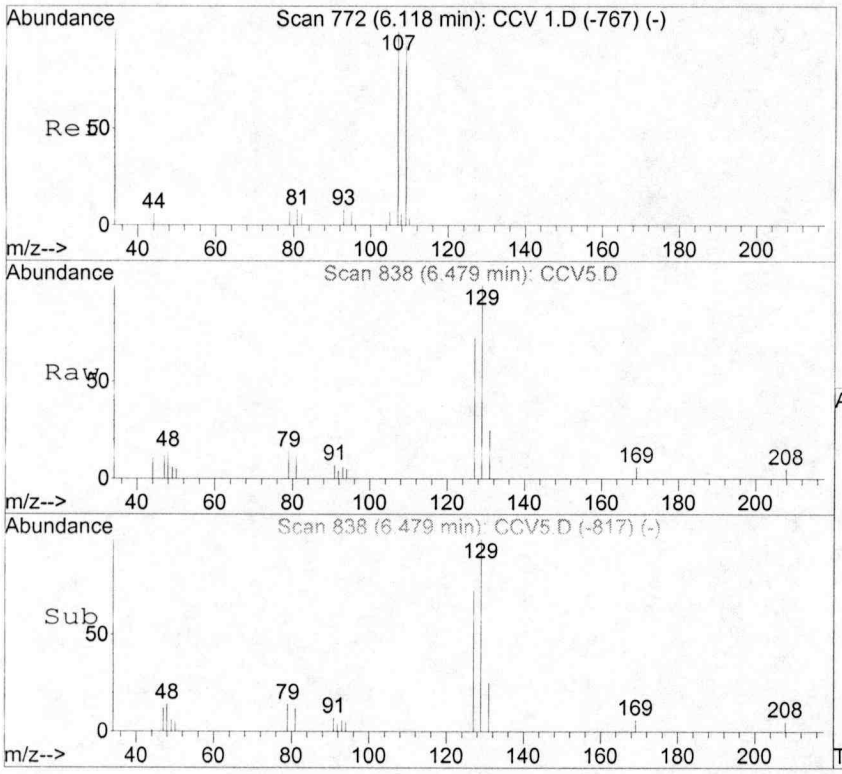


#45
Tetrachloroethene
Concen: 43.00 ng
RT: 6.31 min Scan# 810
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:164 Resp: 39667

Ion	Ratio	Lower	Upper
164	100		
166	143.5	100.1	160.1
129	94.1	59.7	119.7

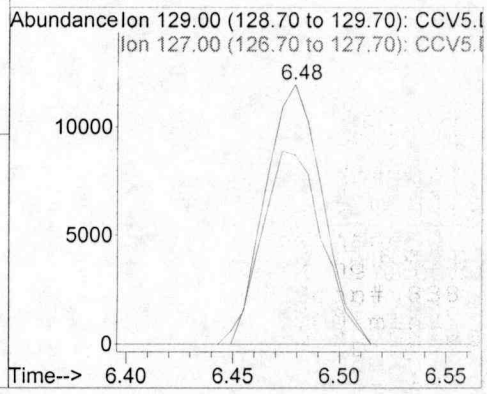


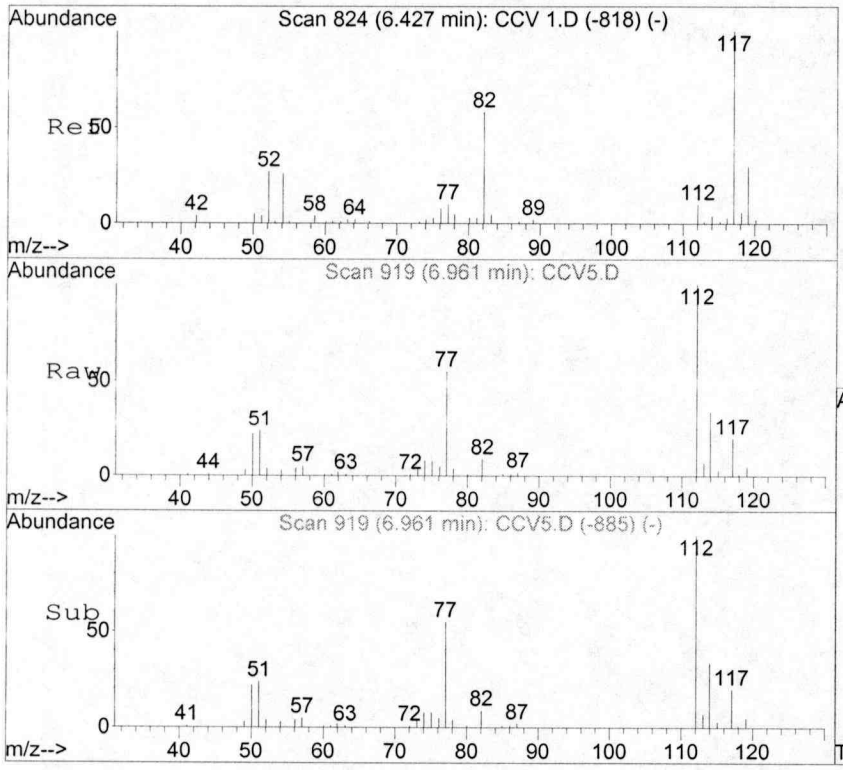


#46
Dibromochloromethane
Concen: 44.99 ng
RT: 6.48 min Scan# 838
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:129 Resp: 22287

Ion	Ratio	Lower	Upper
129	100		
127	72.8	45.2	105.2

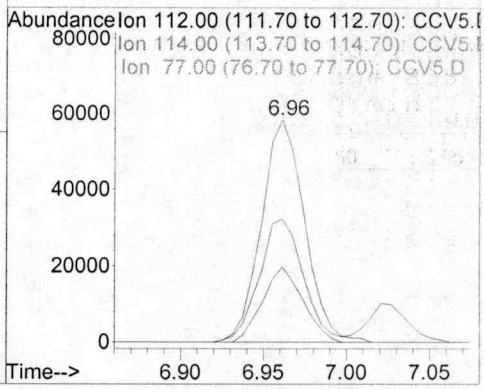


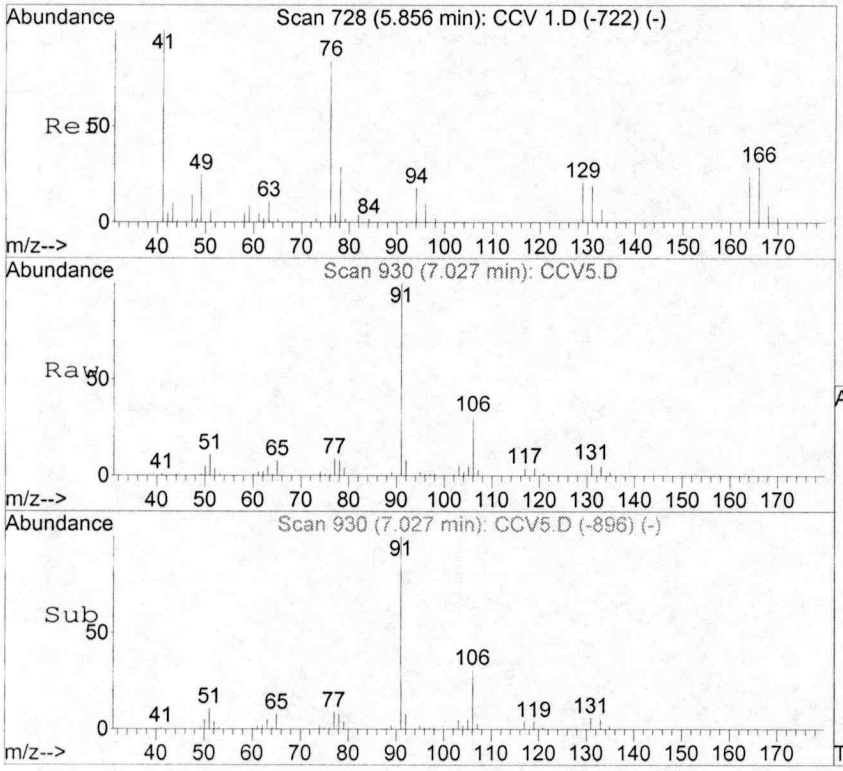


#47
Chlorobenzene
Concen: 46.44 ng
RT: 6.96 min Scan# 919
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:112 Resp: 105271

Ion	Ratio	Lower	Upper
112	100		
114	33.9	2.1	62.1
77	55.4	19.9	79.9

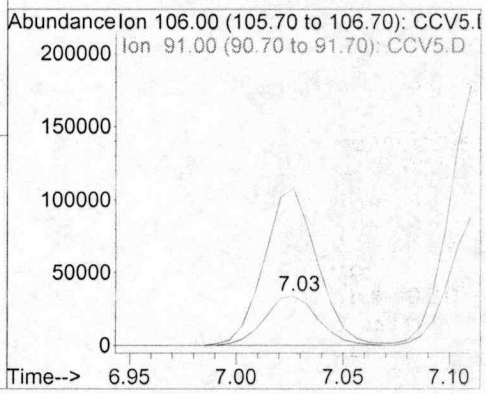


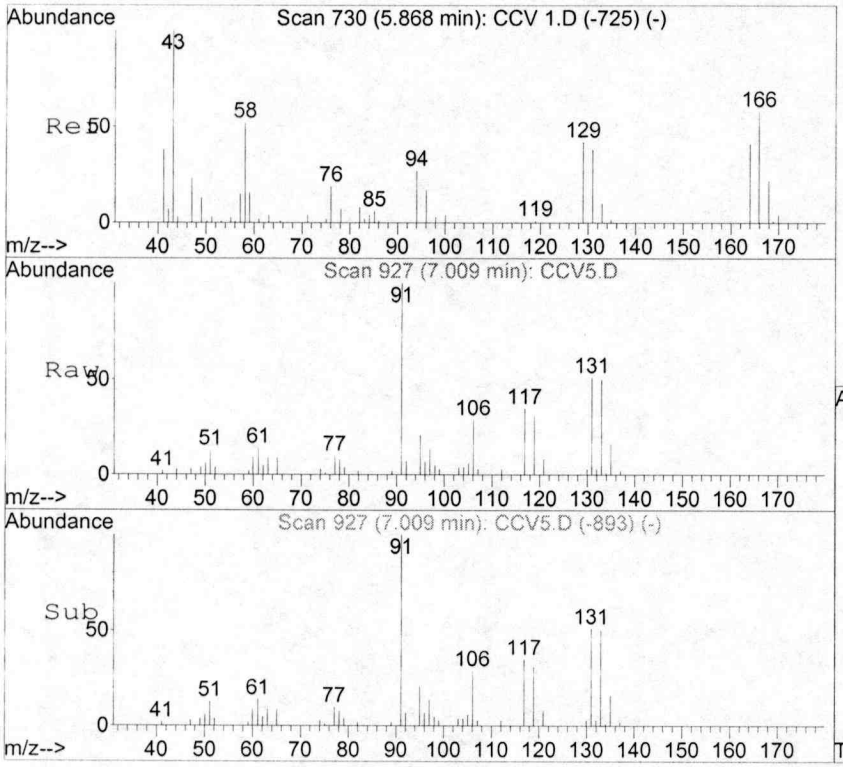


#48
Ethylbenzene*
Concen: 49.09 ng
RT: 7.03 min Scan# 930
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:106 Resp: 58658

Ion	Ratio	Lower	Upper
106	100		
91	318.6	288.8	348.8

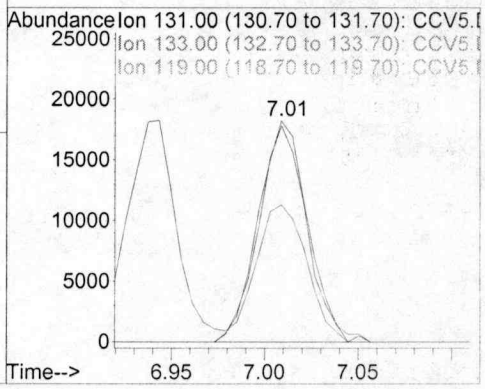


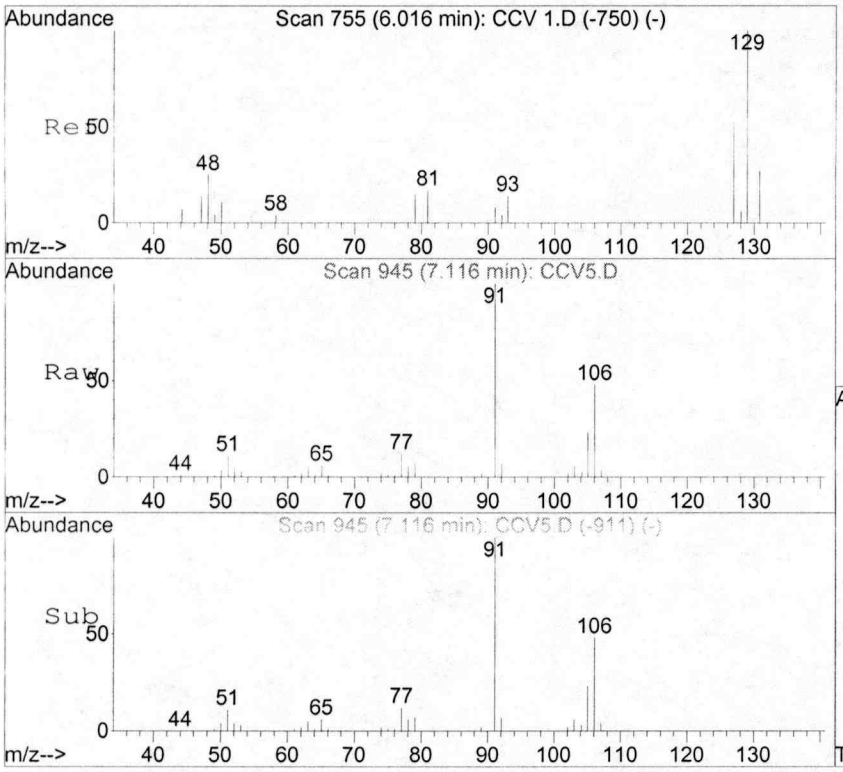


#49
1,1,1,2-Tetrachloroethane
Concen: 45.87 ng
RT: 7.01 min Scan# 927
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:131 Resp: 33680

Ion	Ratio	Lower	Upper
131	100		
133	97.8	59.8	119.8
119	61.9	31.3	91.3

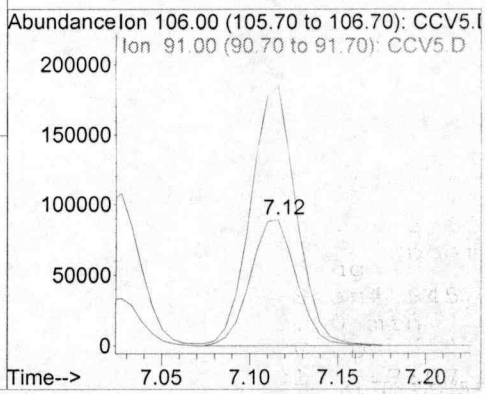


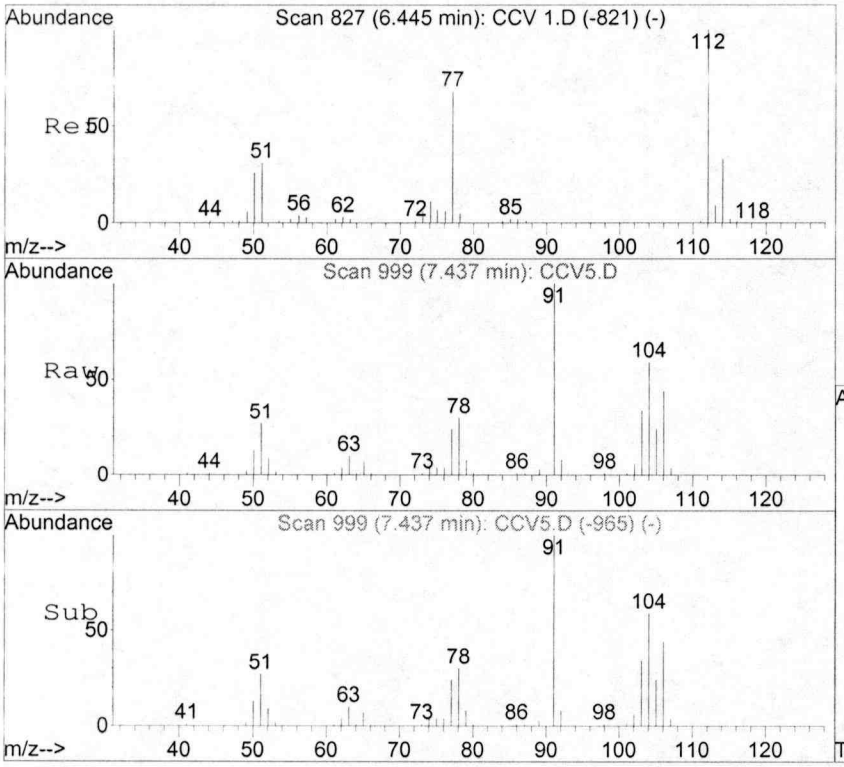


#50
m,p-Xylene*
Concen: 101.83 ng
RT: 7.12 min Scan# 945
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:106 Resp: 161974

Ion	Ratio	Lower	Upper
106	100		
91	207.4	163.0	223.0

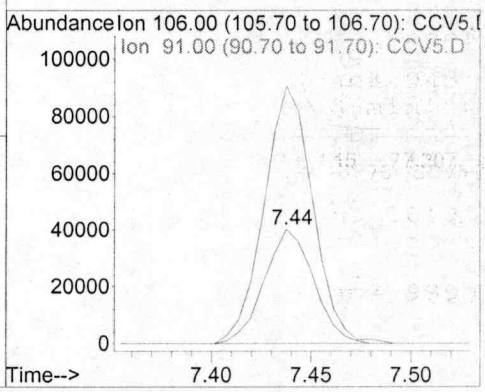


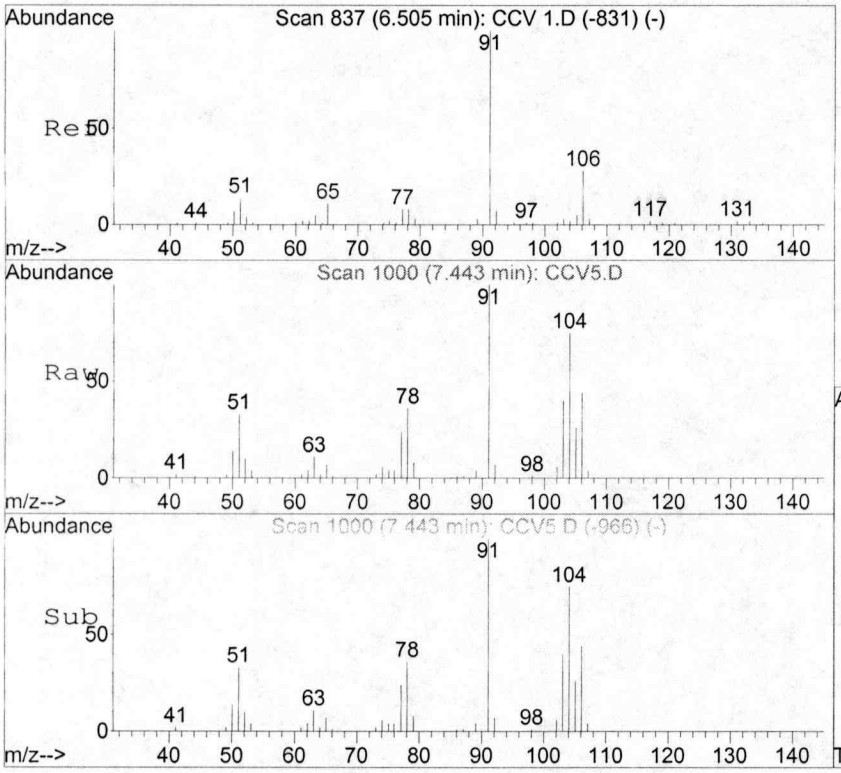


#51
o-Xylene*
Concen: 49.23 ng
RT: 7.44 min Scan# 999
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:106 Resp: 68690

Ion	Ratio	Lower	Upper
106	100		
91	224.8	180.2	240.2

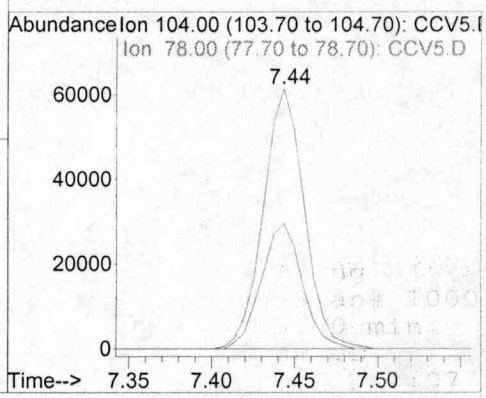


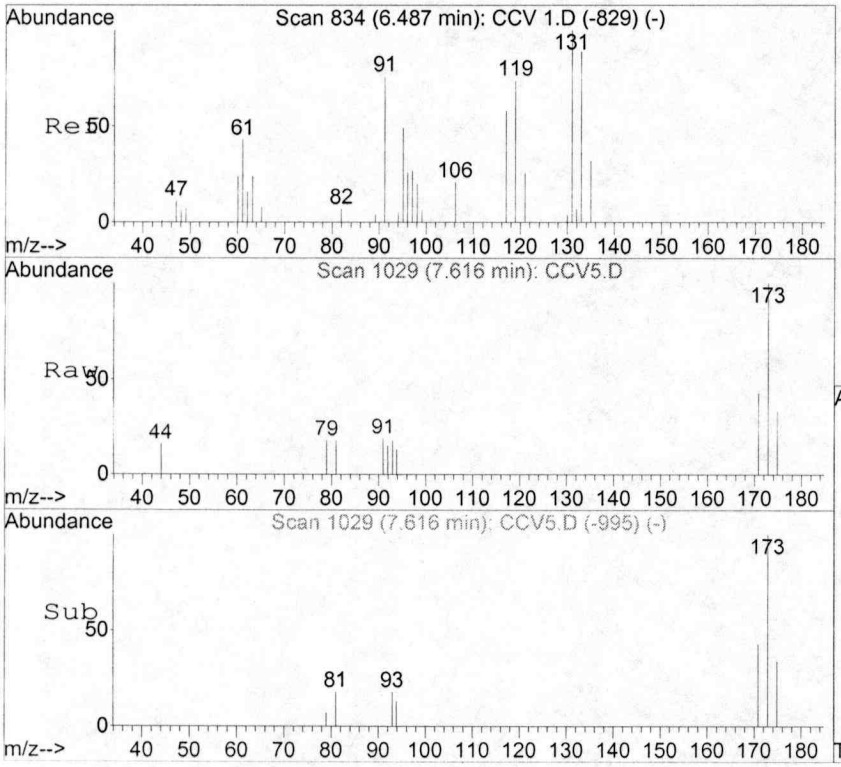


#52
Styrene
Concen: 51.97 ng
RT: 7.44 min Scan# 1000
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:104 Resp: 104762

Ion	Ratio	Lower	Upper
104	100		
78	48.0	14.5	74.5

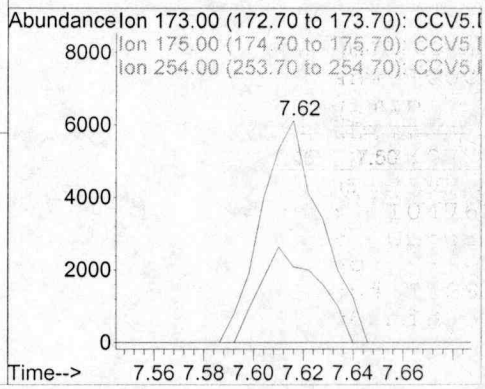


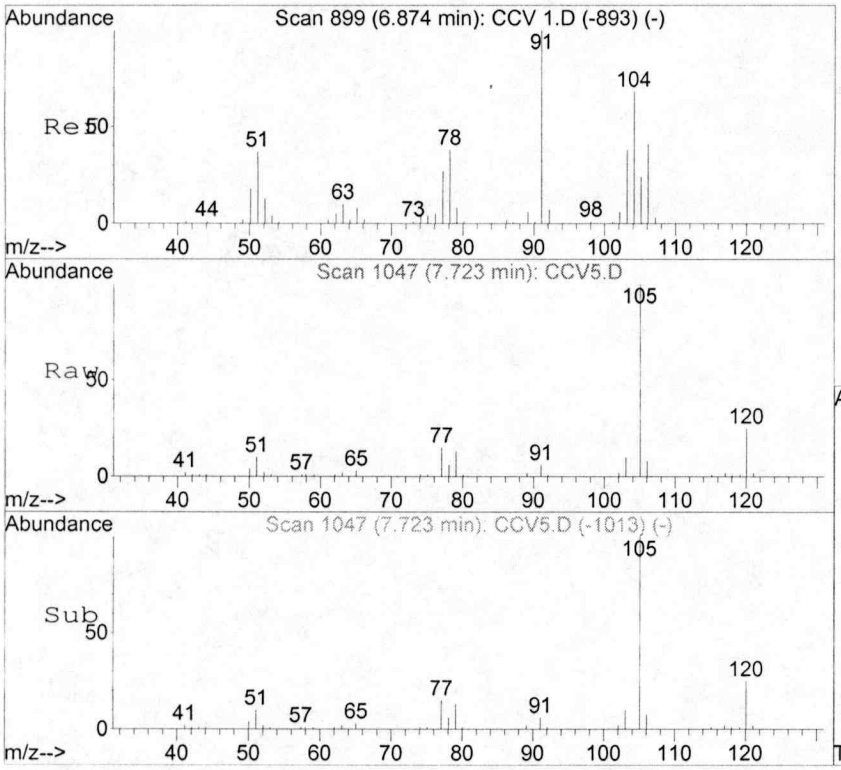


#53
Bromoform
Concen: 44.34 ng
RT: 7.62 min Scan# 1029
Delta R.T. -0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:173 Resp: 10331

Ion	Ratio	Lower	Upper
173	100		
175	34.2	13.8	73.8
254	0.0	0.0	39.1

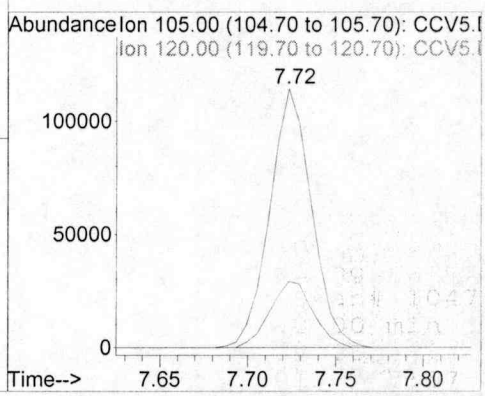


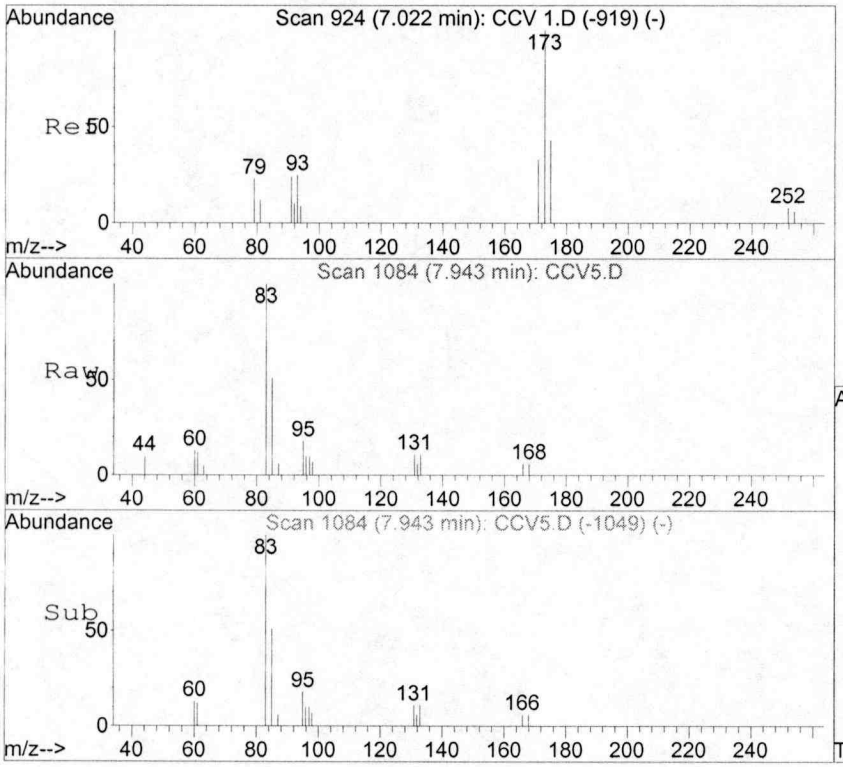


#56
Isopropylbenzene
Concen: 58.51 ng
RT: 7.72 min Scan# 1047
Delta R.T. -0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:105 Resp: 188313

Ion	Ratio	Lower	Upper
105	100		
120	25.4	0.0	56.6

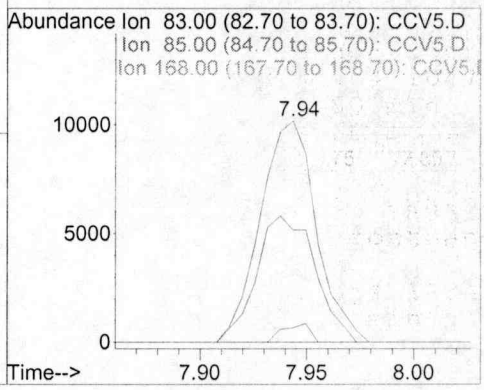


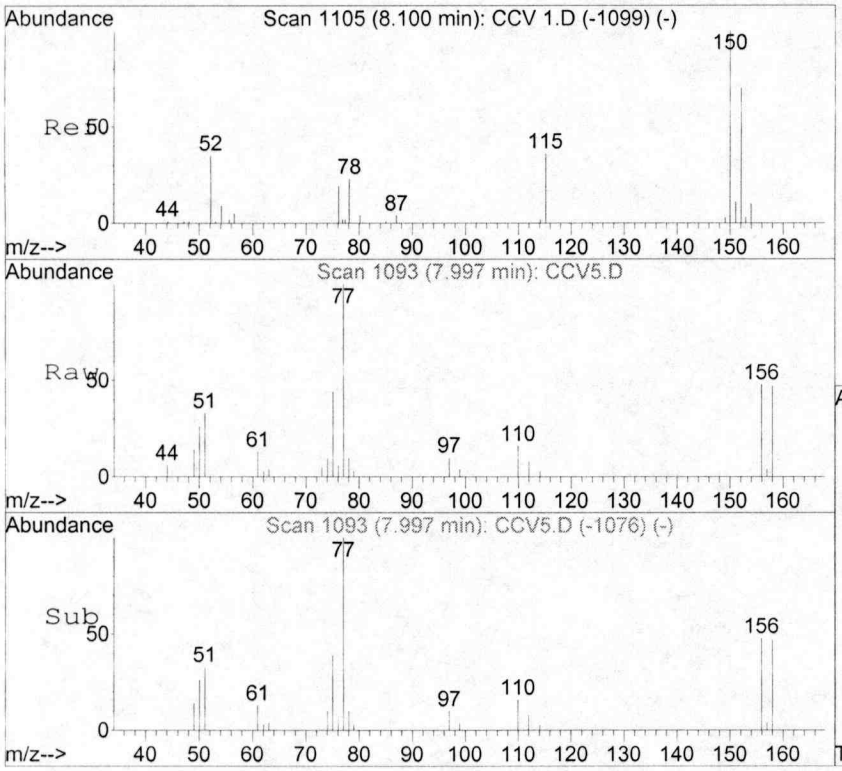


#57
1,1,2,2-Tetrachloroethane
Concen: 48.03 ng
RT: 7.94 min Scan# 1084
Delta R.T. 0.01 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 83 Resp: 18574

Ion	Ratio	Lower	Upper
83	100		
85	50.8	27.0	87.0
168	6.4	0.0	39.7

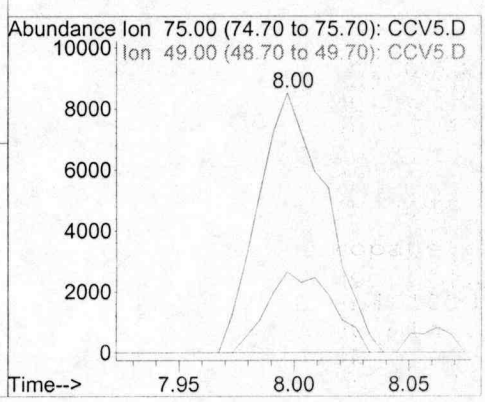


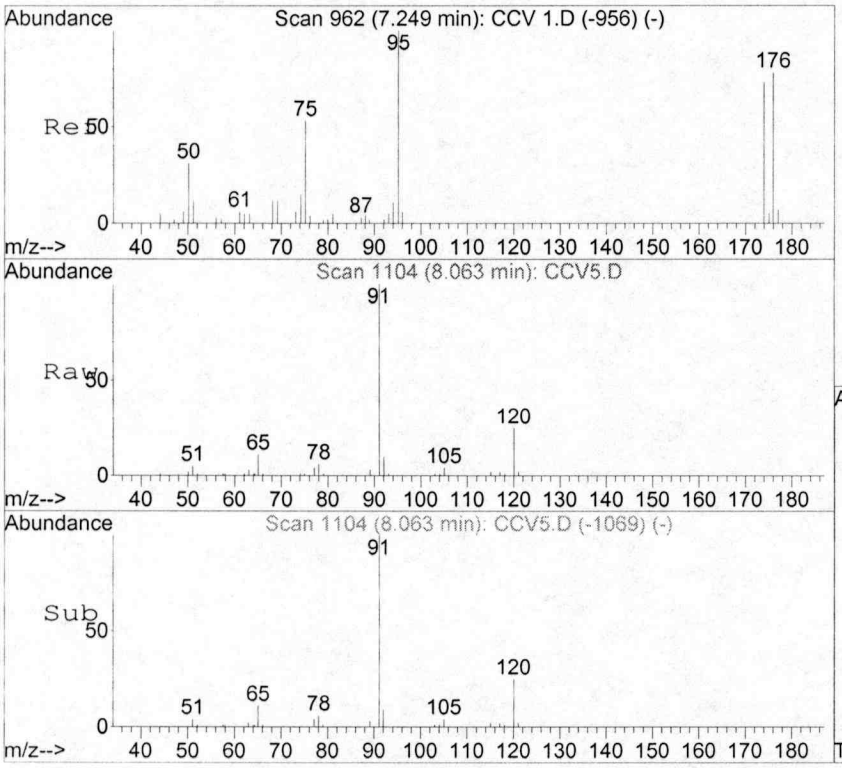


#58
1,2,3-Trichloropropane
Concen: 50.40 ng
RT: 8.00 min Scan# 1093
Delta R.T. -0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 75 Resp: 17534

Ion	Ratio	Lower	Upper
75	100		
49	31.2	5.4	65.4

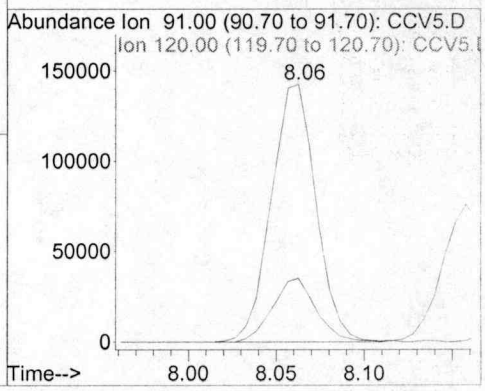


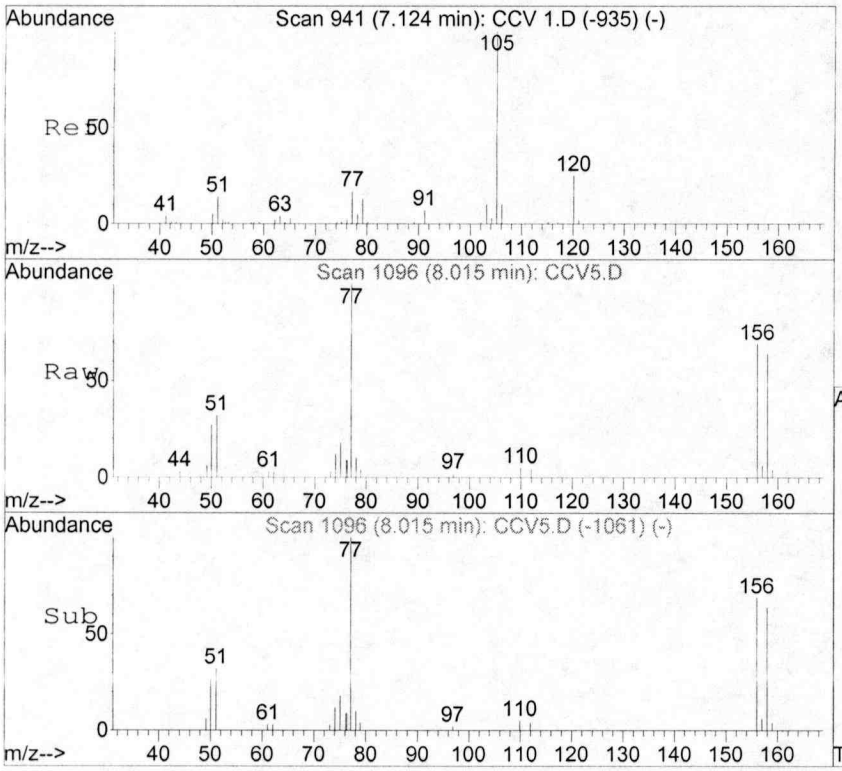


#59
n-Propylbenzene
Concen: 59.07 ng
RT: 8.06 min Scan# 1104
Delta R.T. 0.01 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 91 Resp: 252005

Ion	Ratio	Lower	Upper
91	100		
120	24.7	0.0	54.5

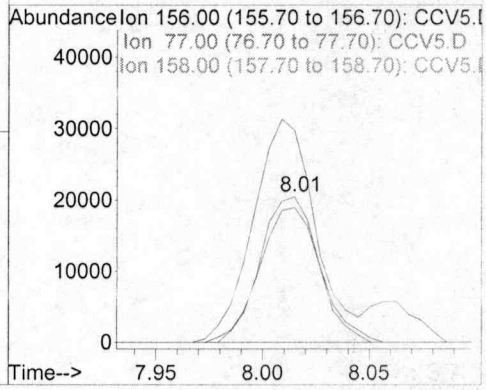


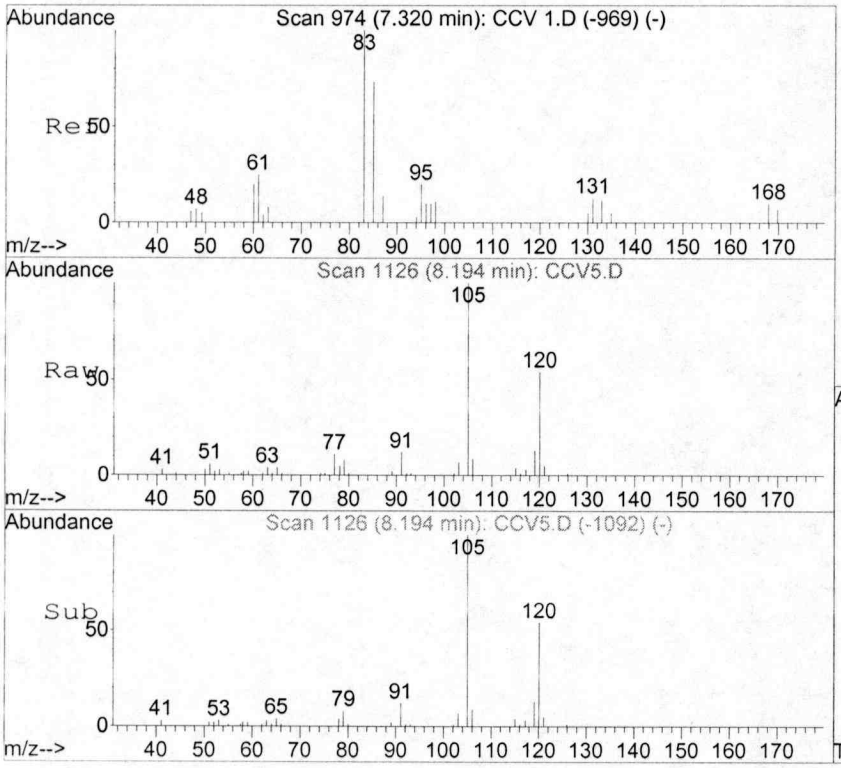


#60
Bromobenzene
Concen: 49.49 ng
RT: 8.01 min Scan# 1096
Delta R.T. 0.01 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:156 Resp: 38465

Ion	Ratio	Lower	Upper
156	100		
77	142.6	107.4	167.4
158	92.6	66.0	126.0

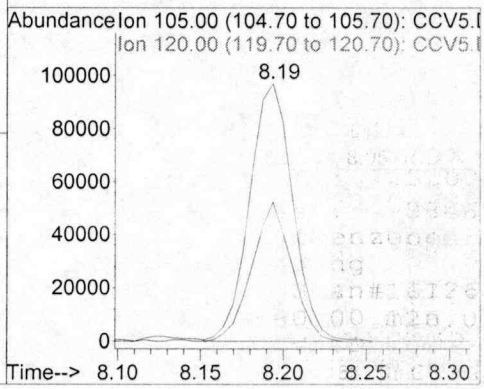


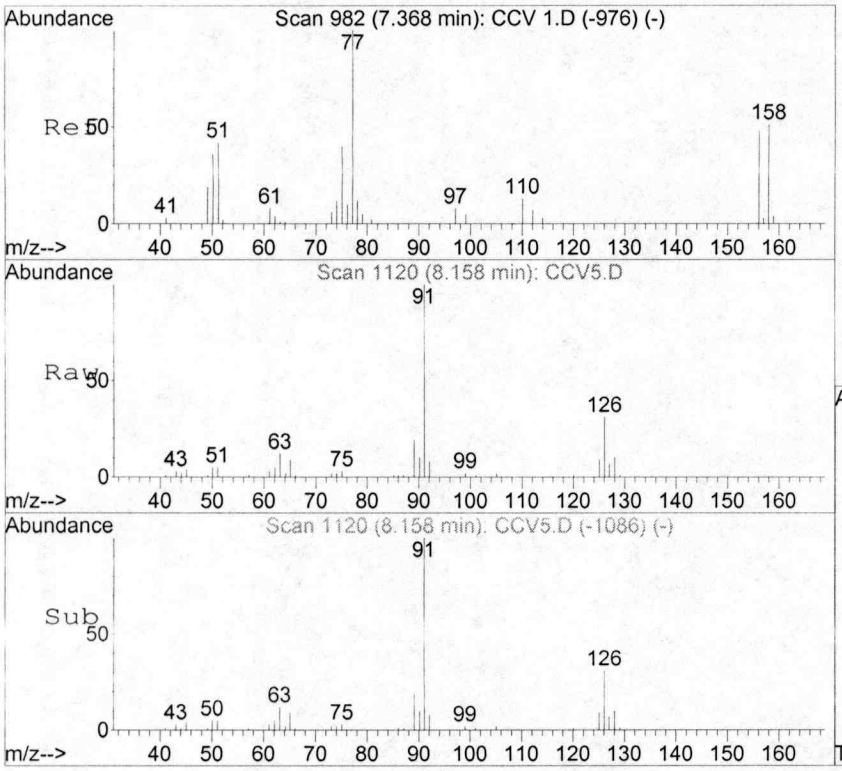


#61
1,3,5-Trimethylbenzene
Concen: 59.43 ng
RT: 8.19 min Scan# 1126
Delta R.T. -0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:105 Resp: 175526

Ion	Ratio	Lower	Upper
105	100		
120	53.8	23.6	83.6

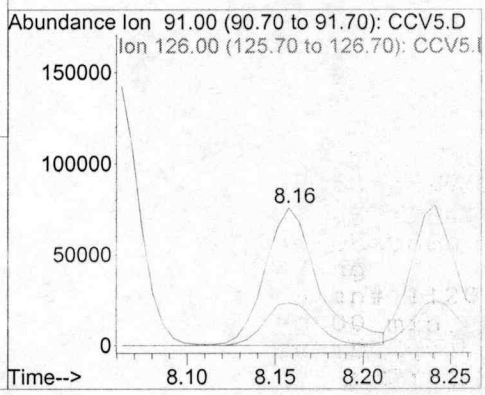


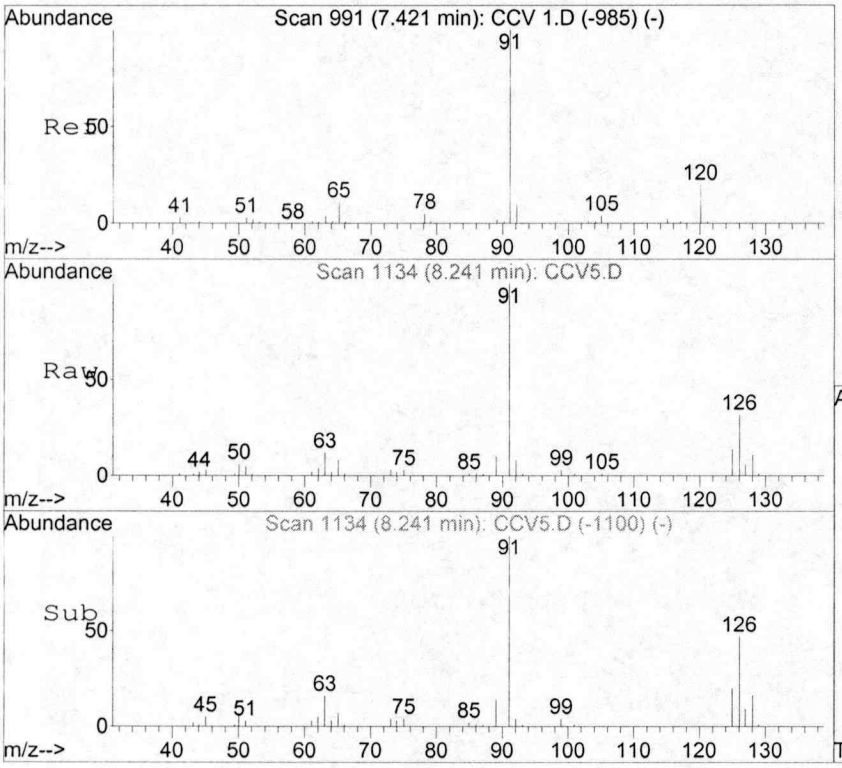


#62
2-Chlorotoluene
Concen: 58.37 ng
RT: 8.16 min Scan# 1120
Delta R.T. -0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 91 Resp: 160309

Ion	Ratio	Lower	Upper
91	100		
126	31.2	7.1	67.1

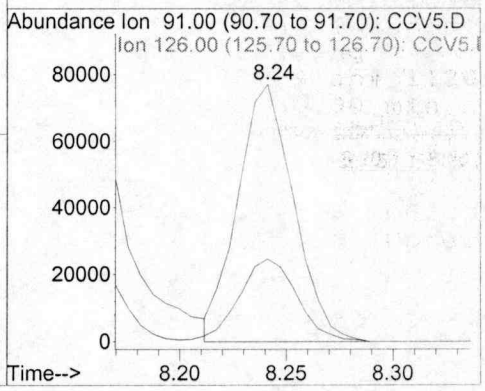


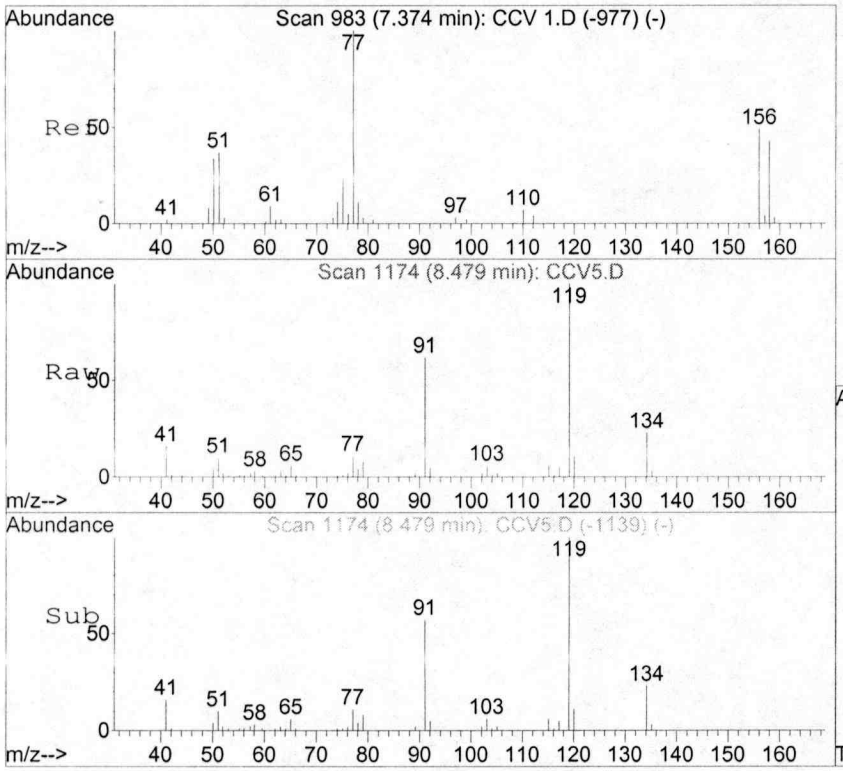


#63
4-Chlorotoluene
Concen: 56.92 ng
RT: 8.24 min Scan# 1134
Delta R.T. -0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 91 Resp: 140018

Ion	Ratio	Lower	Upper
91	100		
126	32.0	3.3	63.3

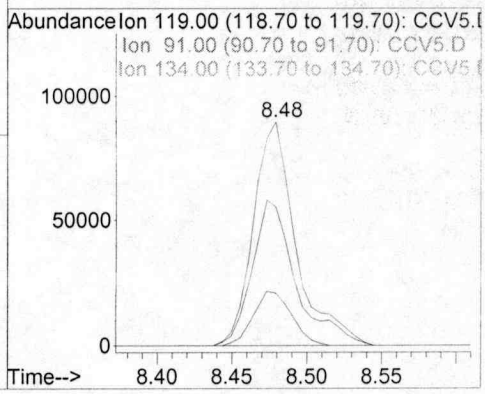


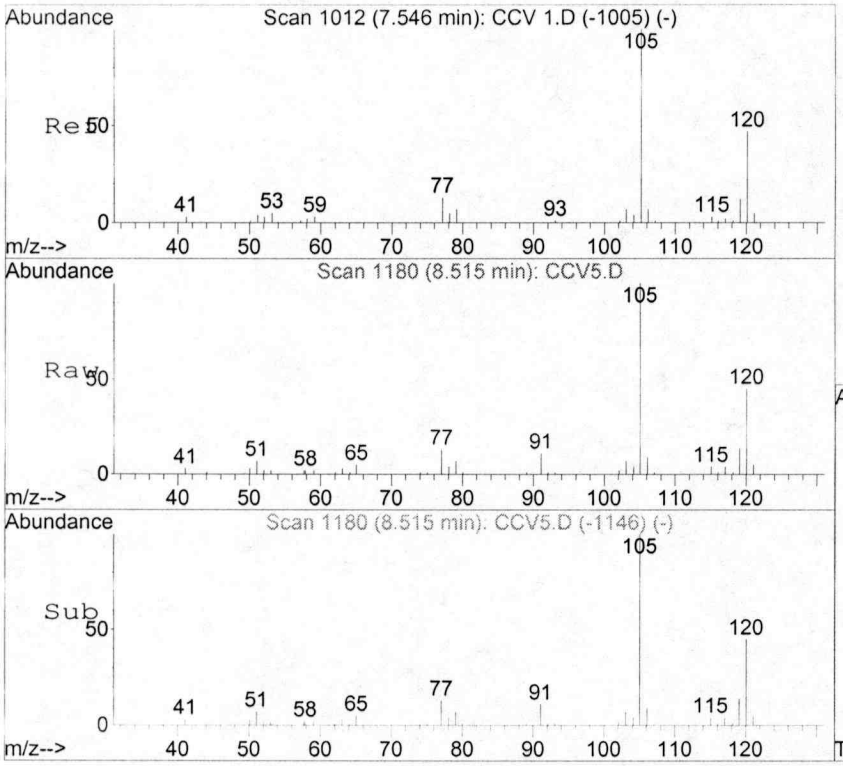


#64
tert-Butylbenzene
Concen: 55.64 ng
RT: 8.48 min Scan# 1174
Delta R.T. 0.01 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:119 Resp: 176259

Ion	Ratio	Lower	Upper
119	100		
91	61.8	28.8	88.8
134	23.3	0.0	55.4

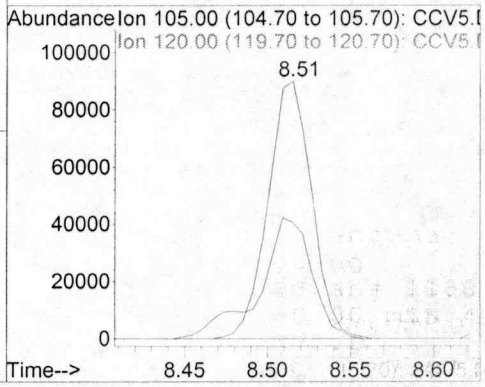


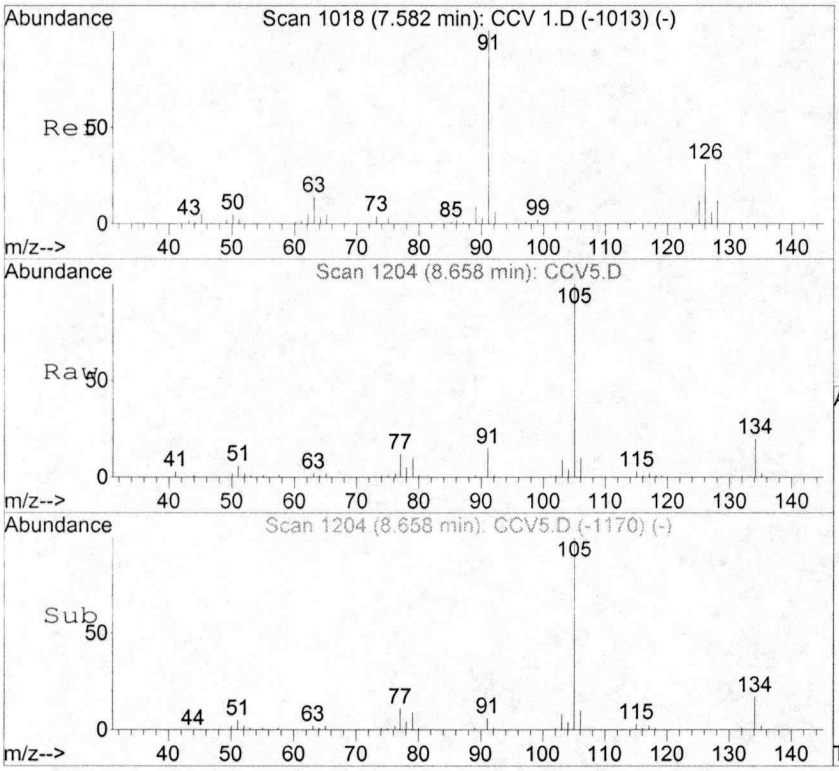


#65
1,2,4-Trimethylbenzene
Concen: 59.00 ng
RT: 8.51 min Scan# 1180
Delta R.T. -0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:105 Resp: 164535

Ion	Ratio	Lower	Upper
105	100		
120	45.0	21.3	81.3

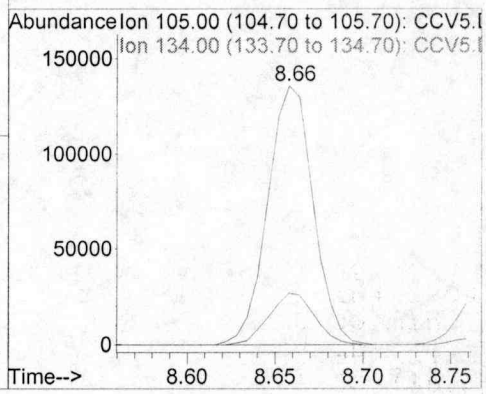


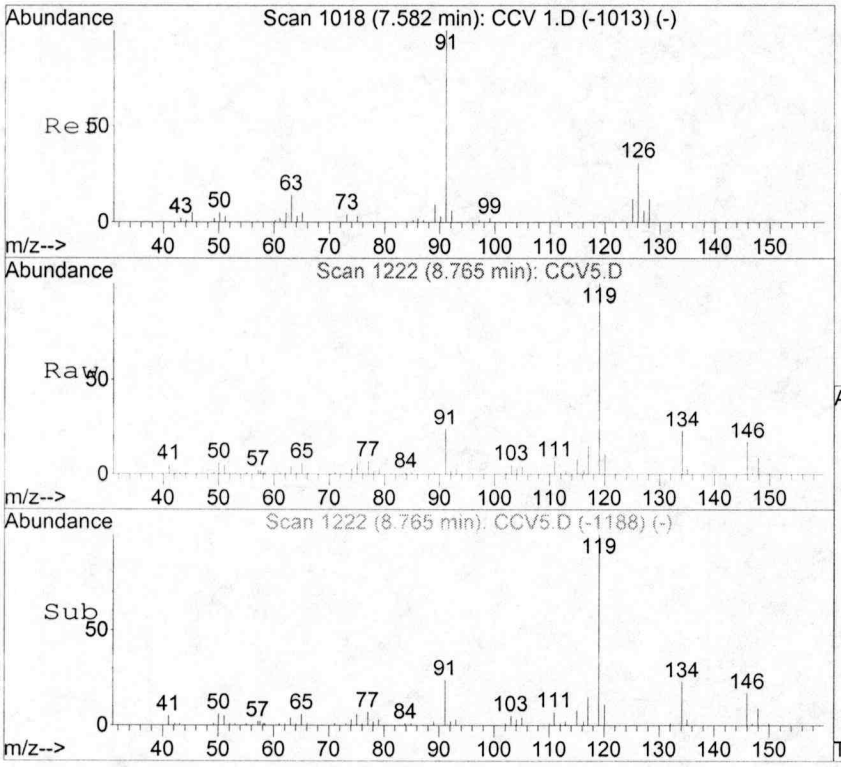


#66
sec-Butylbenzene
Concen: 59.85 ng
RT: 8.66 min Scan# 1204
Delta R.T. -0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:105 Resp: 243353

Ion	Ratio	Lower	Upper
105	100		
134	19.7	0.0	51.7

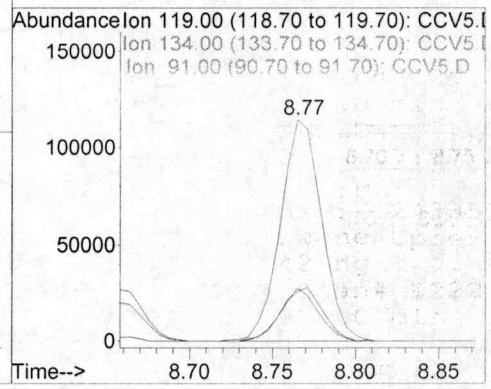


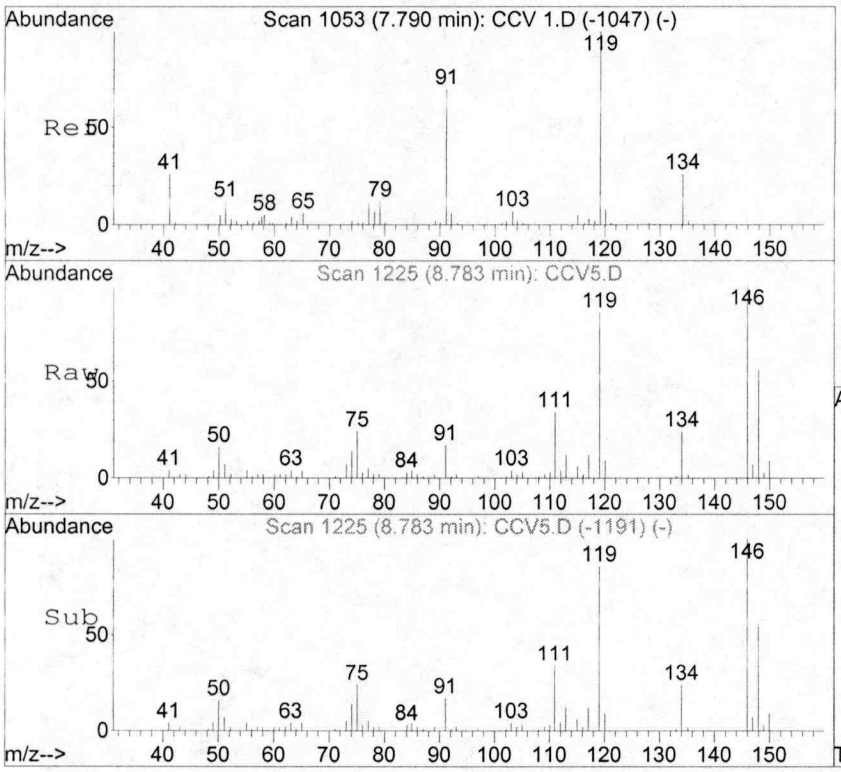


#67
p-Isopropyltoluene
Concen: 59.42 ng
RT: 8.77 min Scan# 1222
Delta R.T. -0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:119 Resp: 198758

Ion	Ratio	Lower	Upper
119	100		
134	22.7	0.0	58.2
91	24.1	0.0	52.0

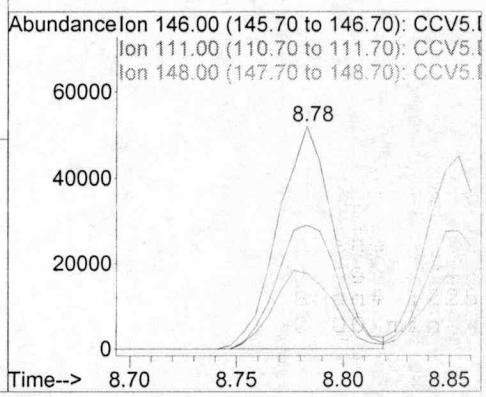


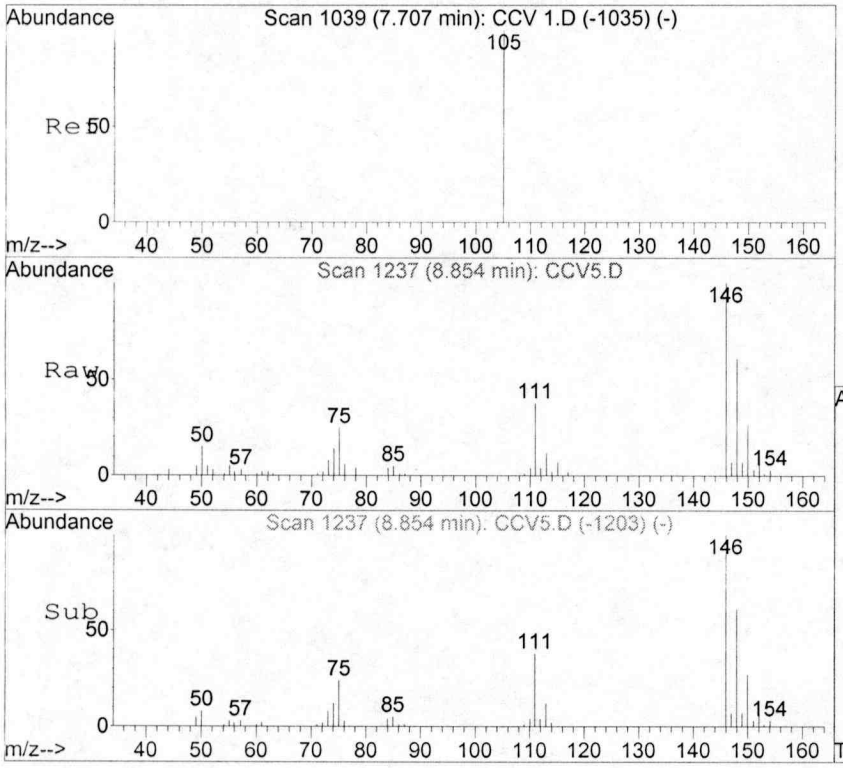


#68
1,3-Dichlorobenzene
Concen: 51.94 ng
RT: 8.78 min Scan# 1225
Delta R.T. -0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:146 Resp: 93875

Ion	Ratio	Lower	Upper
146	100		
111	34.1	9.5	69.5
148	55.8	34.2	94.2

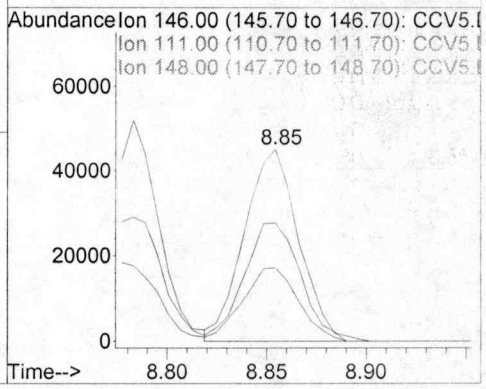


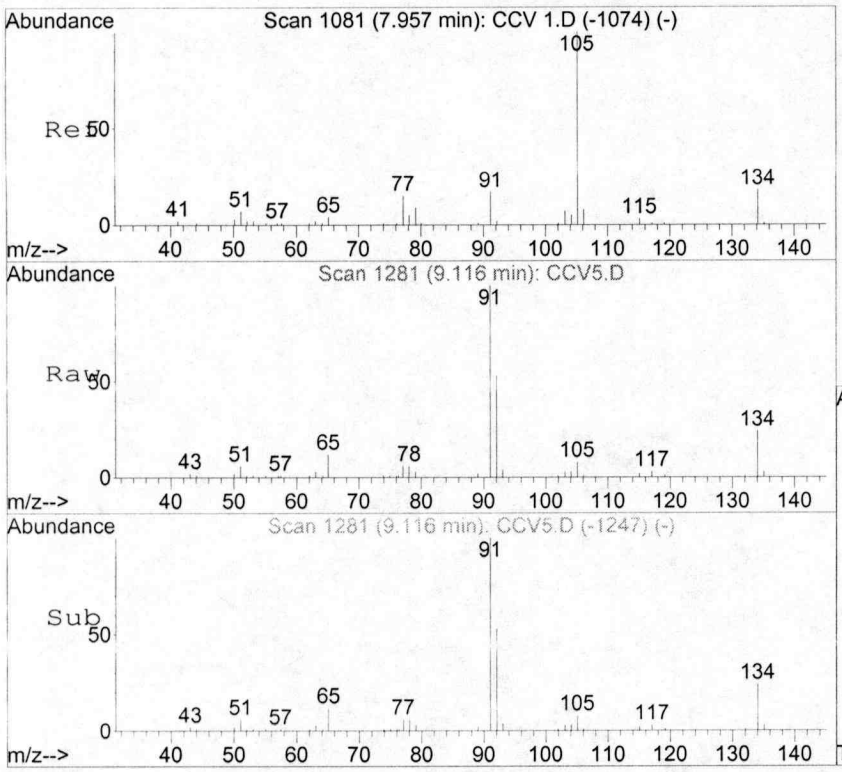


#69
1,4-Dichlorobenzene
Concen: 49.85 ng
RT: 8.85 min Scan# 1237
Delta R.T. -0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:146 Resp: 85469

Ion	Ratio	Lower	Upper
146	100		
111	38.2	3.3	63.3
148	61.3	35.5	95.5

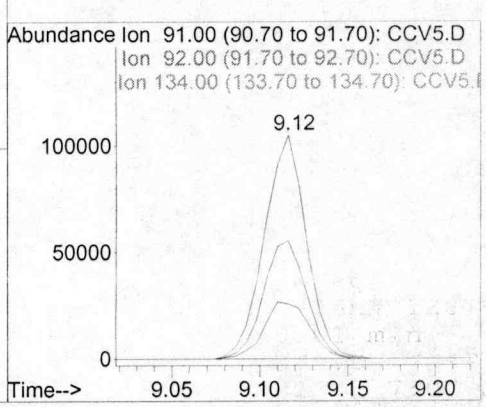


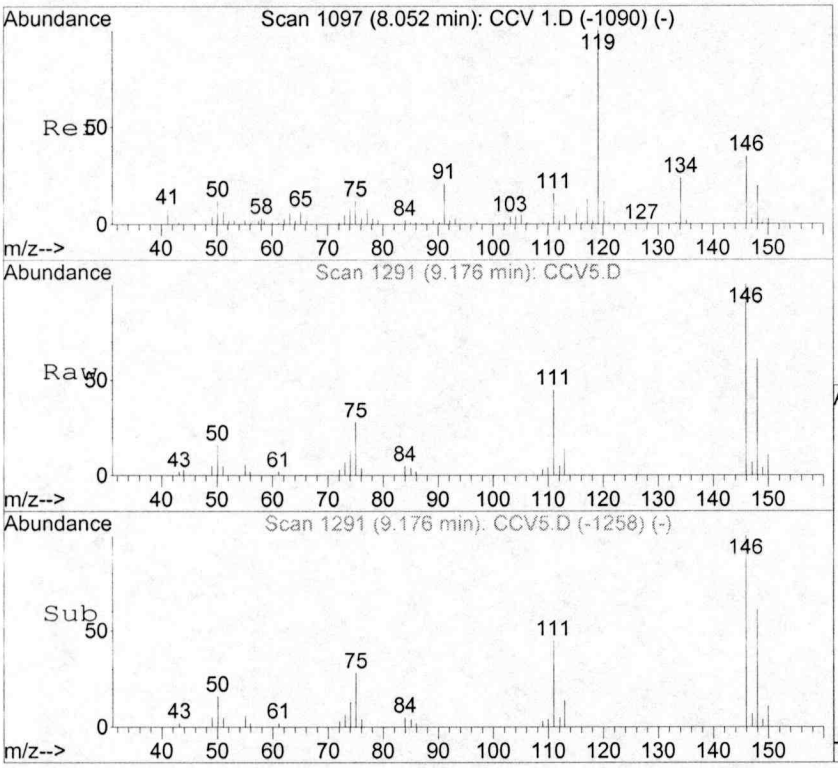


#70
n-Butylbenzene
Concen: 58.40 ng
RT: 9.12 min Scan# 1281
Delta R.T. 0.01 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 91 Resp: 174125

Ion	Ratio	Lower	Upper
91	100		
92	52.7	25.5	85.5
134	24.4	0.0	59.4

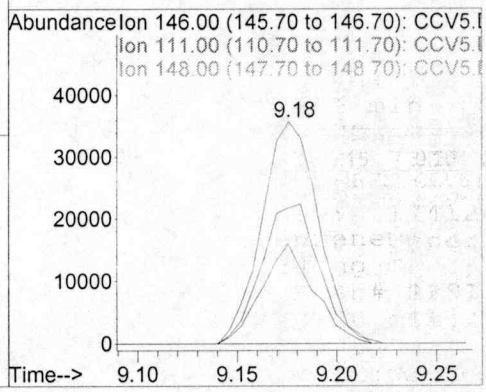


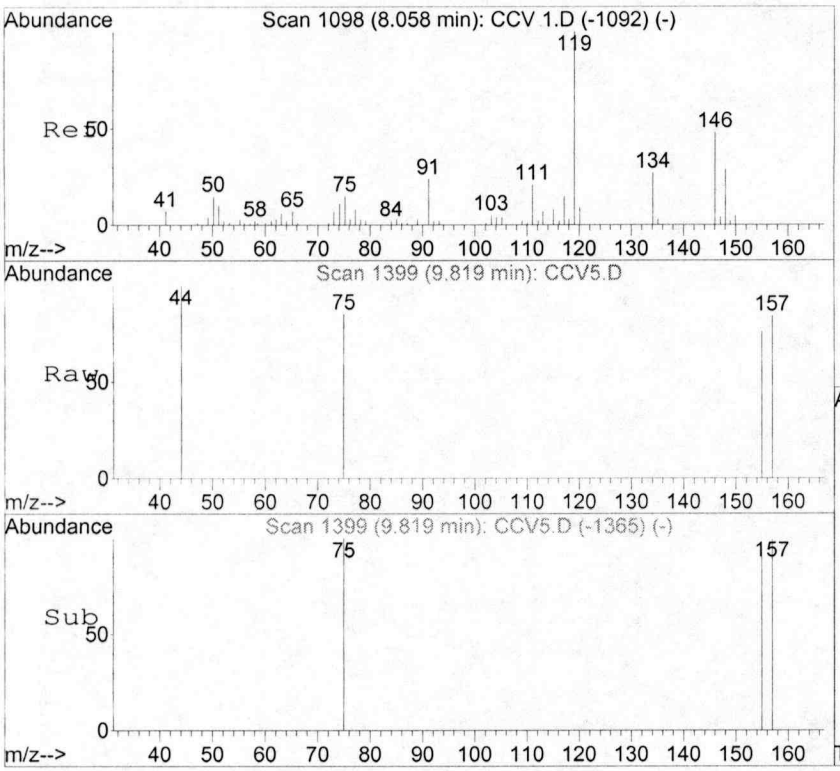


#71
1,2-Dichlorobenzene
Concen: 48.34 ng
RT: 9.18 min Scan# 1291
Delta R.T. -0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:146 Resp: 70705

Ion	Ratio	Lower	Upper
146	100		
111	44.5	7.6	67.6
148	61.0	31.9	91.9

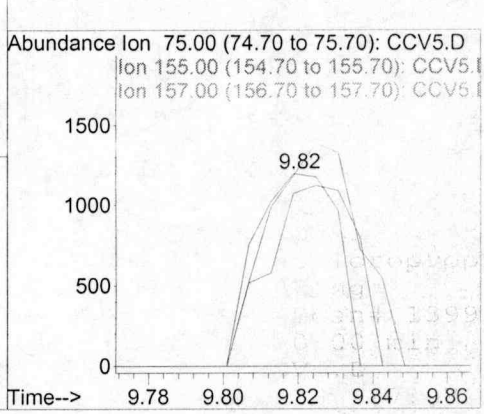


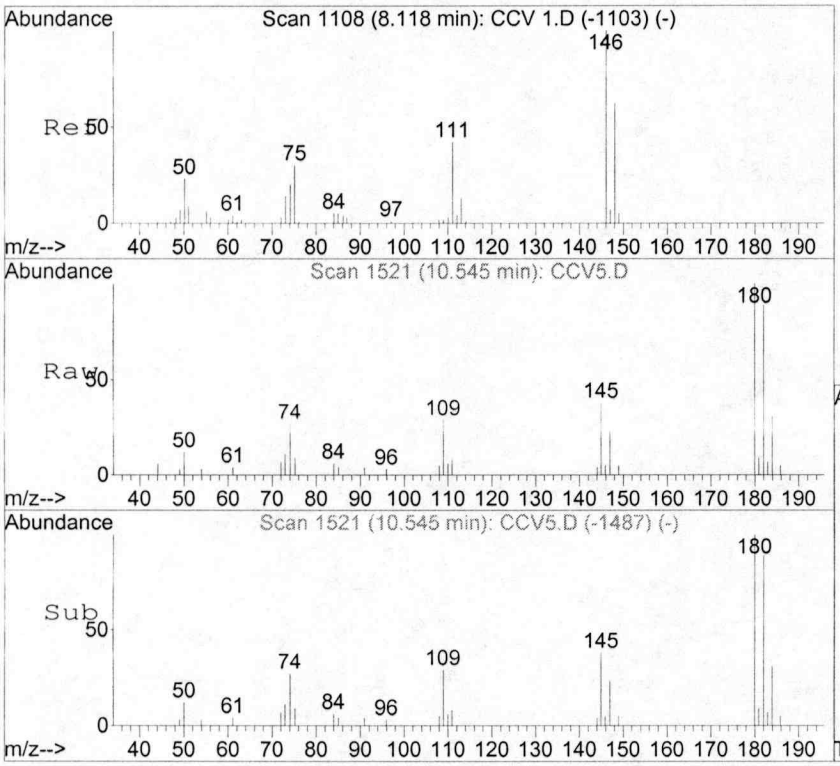


#72
1,2-Dibromo-3-chloropropane
Concen: 55.92 ng
RT: 9.82 min Scan# 1399
Delta R.T. -0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 75 Resp: 1827

Ion	Ratio	Lower	Upper
75	100		
155	89.8	49.1	109.1
157	99.1	61.3	121.3

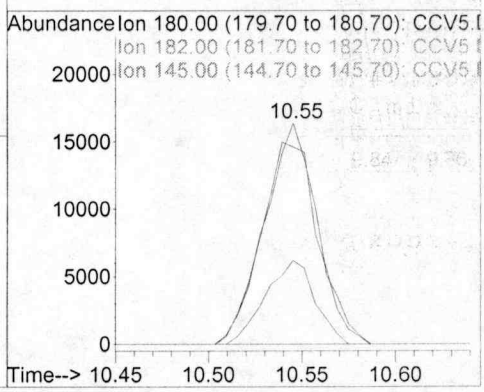


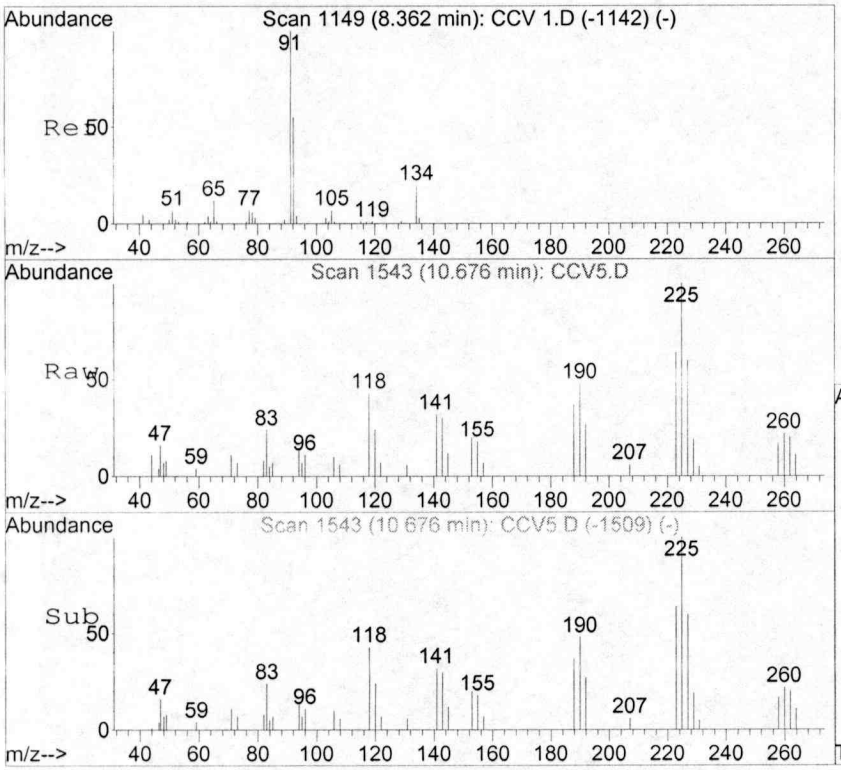


#73
1,2,4-Trichlorobenzene
Concen: 45.06 ng
RT: 10.55 min Scan# 1521
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:180 Resp: 32427

Ion	Ratio	Lower	Upper
180	100		
182	89.2	68.1	128.1
145	37.8	4.5	64.5

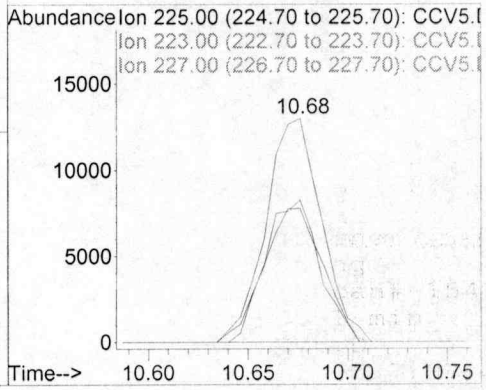


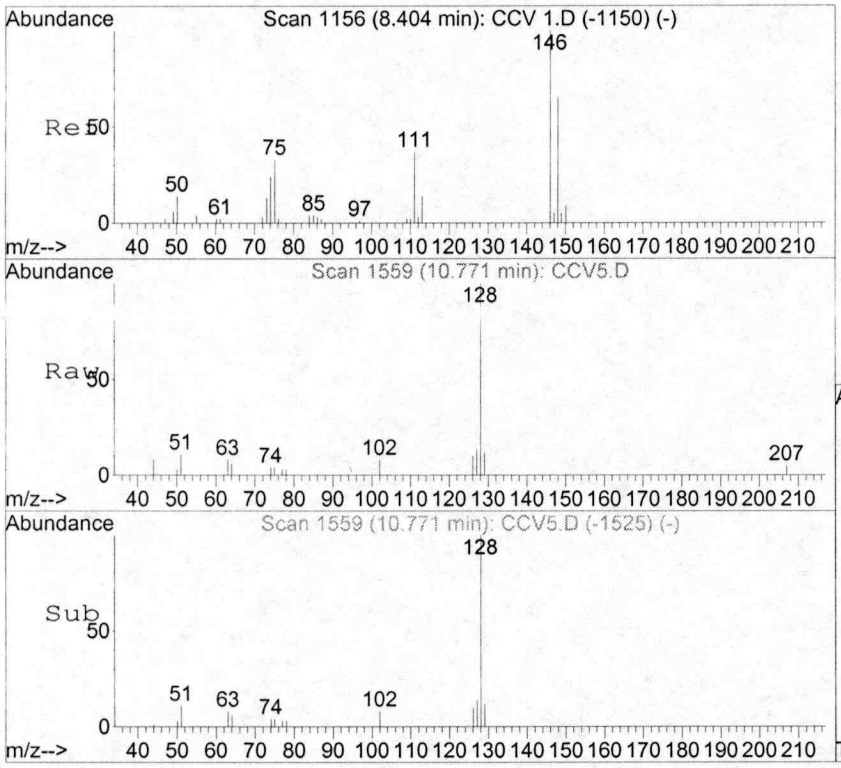


#74
Hexachlorobutadiene
Concen: 45.06 ng
RT: 10.68 min Scan# 1543
Delta R.T. 0.01 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:225 Resp: 25155

Ion	Ratio	Lower	Upper
225	100		
223	63.8	37.7	97.7
227	60.0	40.9	100.9

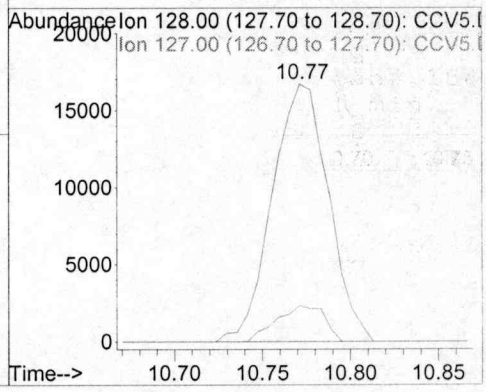


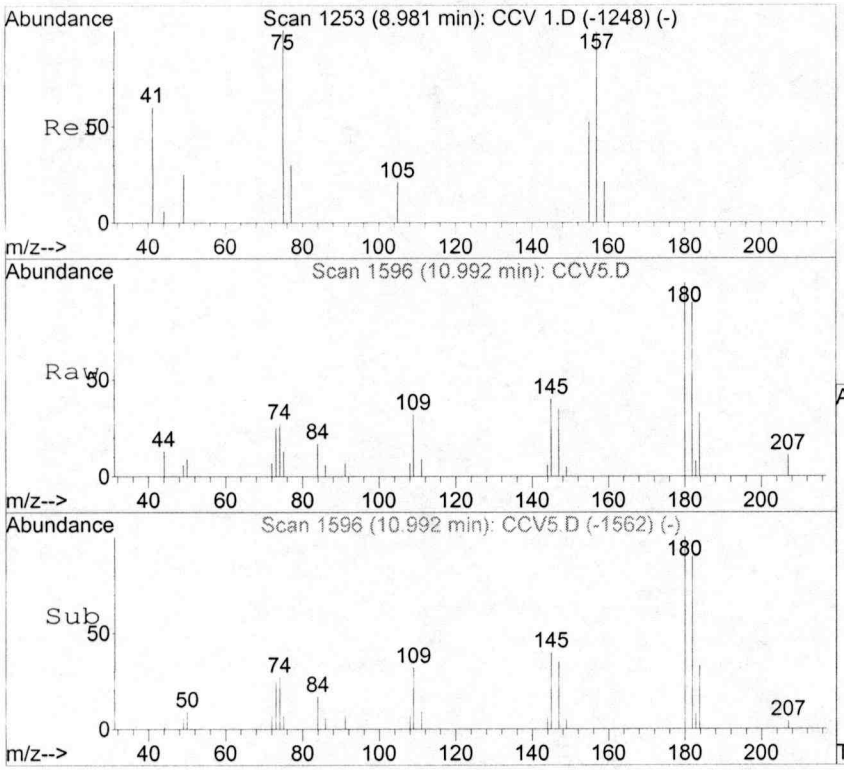


#75
Naphthalene
Concen: 49.14 ng
RT: 10.77 min Scan# 1559
Delta R.T. 0.01 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:128 Resp: 37093

Ion	Ratio	Lower	Upper
128	100		
127	14.0	0.0	31.5

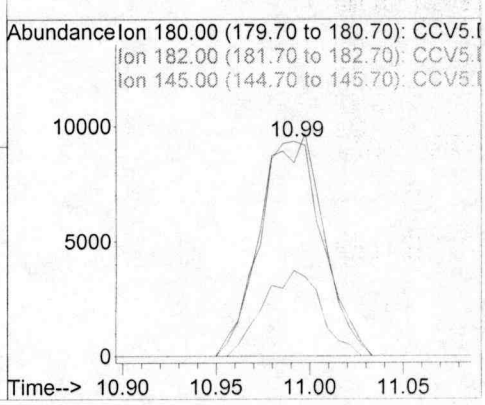


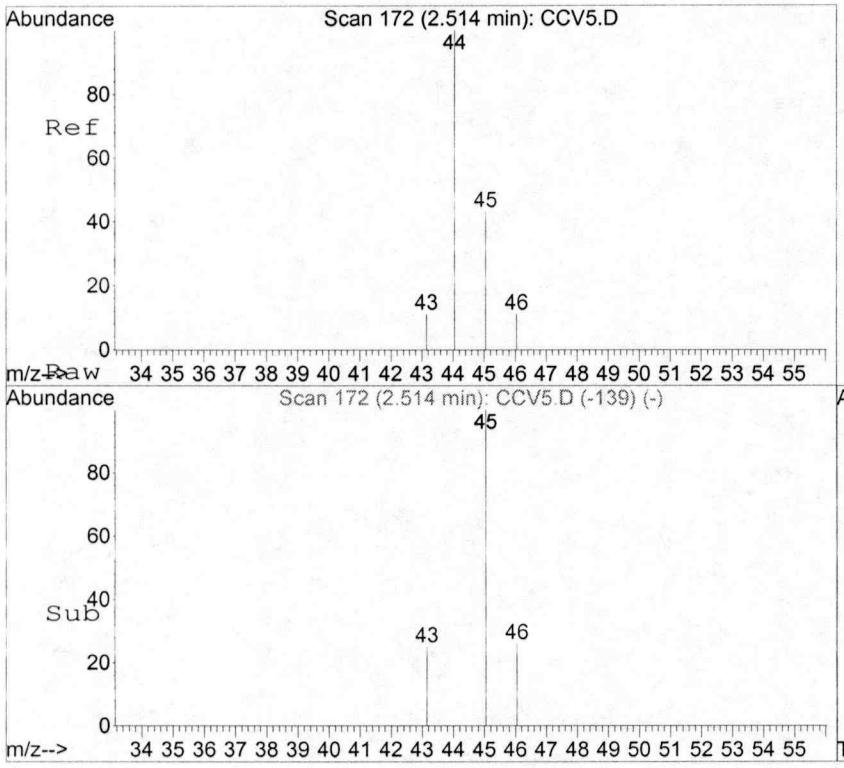


#76
1,2,3-Trichlorobenzene
Concen: 42.26 ng
RT: 10.99 min Scan# 1596
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion:180 Resp: 22186

Ion	Ratio	Lower	Upper
180	100		
182	90.1	71.2	111.2
145	40.0	7.1	47.1

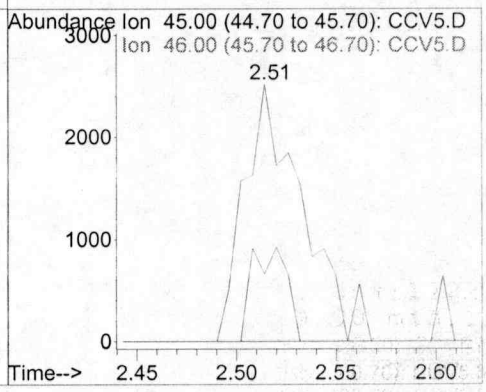


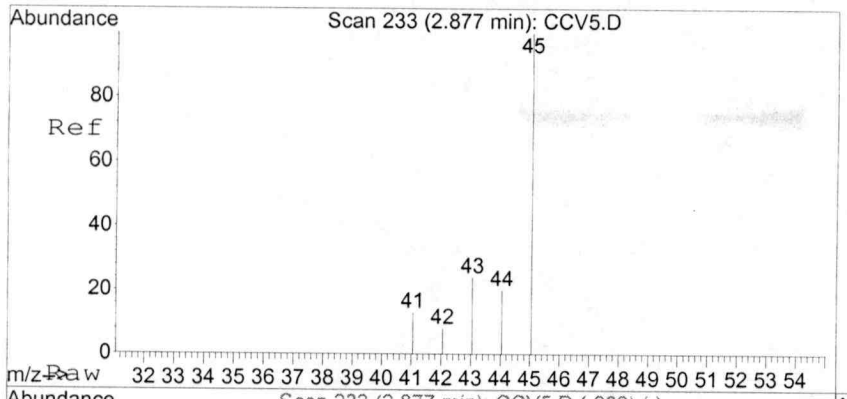


#78
Ethanol
Concen: 1839.88 ng
RT: 2.51 min Scan# 172
Delta R.T. -0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 45 Resp: 5101

Ion	Ratio	Lower	Upper
45	100		
46	0.0	0.0	0.0

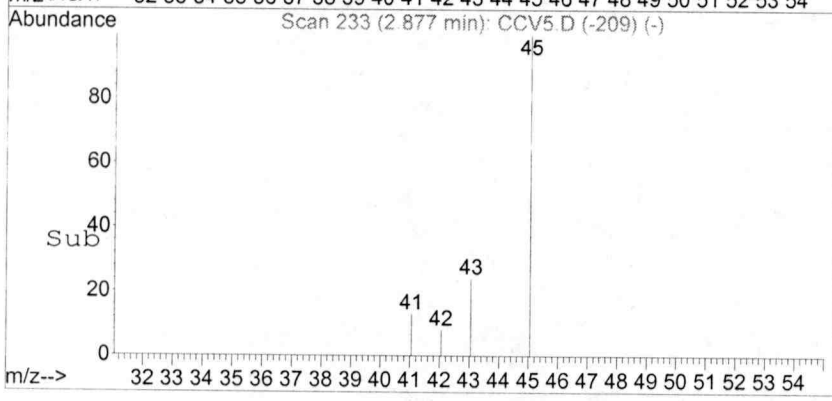


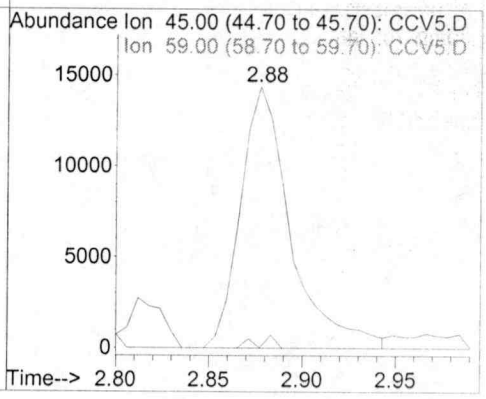


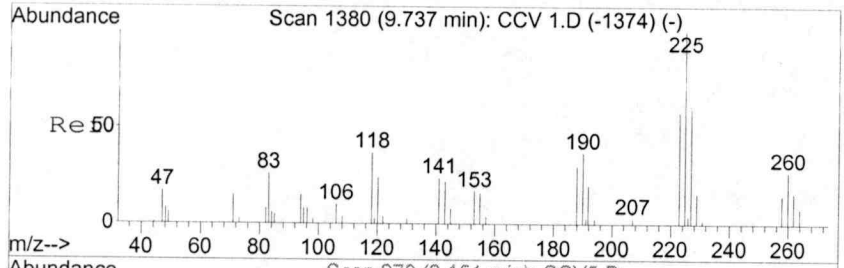
#79
Isopropyl Alcohol (IPA)
Concen: 1643.17 ng
RT: 2.88 min Scan# 233
Delta R.T. -0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 45 Resp: 26711

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	0.0



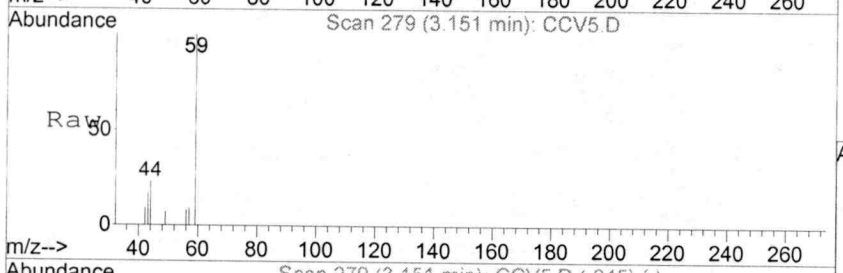


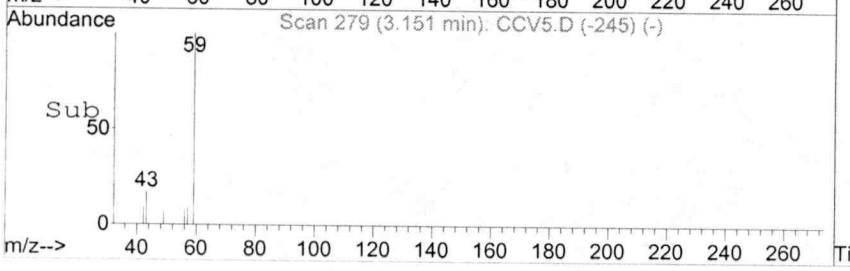


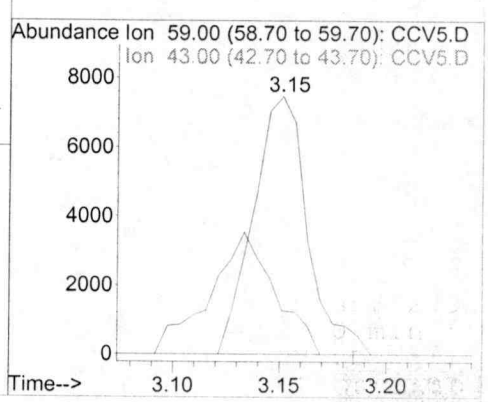
#80
t-Butanol *
Concen: 449.59 ng
RT: 3.15 min Scan# 279
Delta R.T. 0.00 min
Lab File: CCV5.D
Acq: 14 Nov 2013 7:07 am

Tgt Ion: 59 Resp: 13249

Ion	Ratio	Lower	Upper
59	100		
43	16.9	0.0	55.3







Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : BLK1.D
Acq On : 14 Nov 2013 8:12 am
Operator : CS
Sample : EK31402-BLK1
Misc : 0.01
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 27 13:54:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Thu Nov 14 08:35:39 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	114869	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	39295	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	31781	50.00 ng	0.00
77) TBA-d9	3.10	65	14688	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.27	113	22065	50.68 ng	0.01
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.36%		
27) 1,2-Dichloroethane-d4	4.50	65	21308	52.23 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 104.46%		
37) Toluene-d8	5.84	98	95867	48.15 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 96.30%		
55) 4-Bromofluorobenzene	7.87	174	22063	49.26 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.52%		

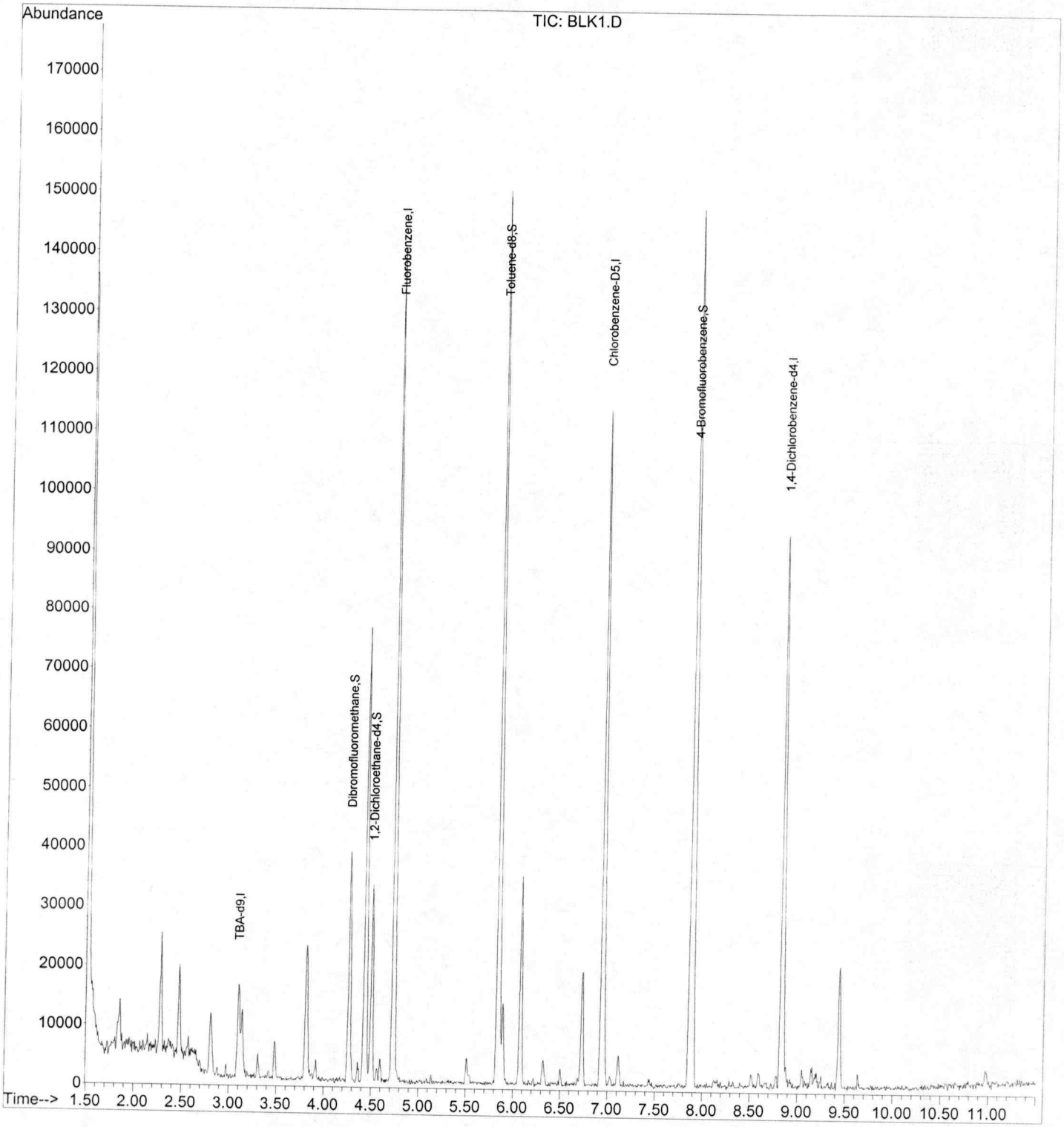
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : BLK1.D
Acq On : 14 Nov 2013 8:12 am
Operator : CS
Sample : EK31402-BLK1
Misc : 0.01
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 27 13:54:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Thu Nov 14 08:35:39 2013
Response via : Initial Calibration
InstName : GC MS #3



Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 2-SV-5-1PV.D
Acq On : 14 Nov 2013 8:33 am
Operator : CS
Sample : E311047-01
Misc : 0.01
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 27 13:44:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

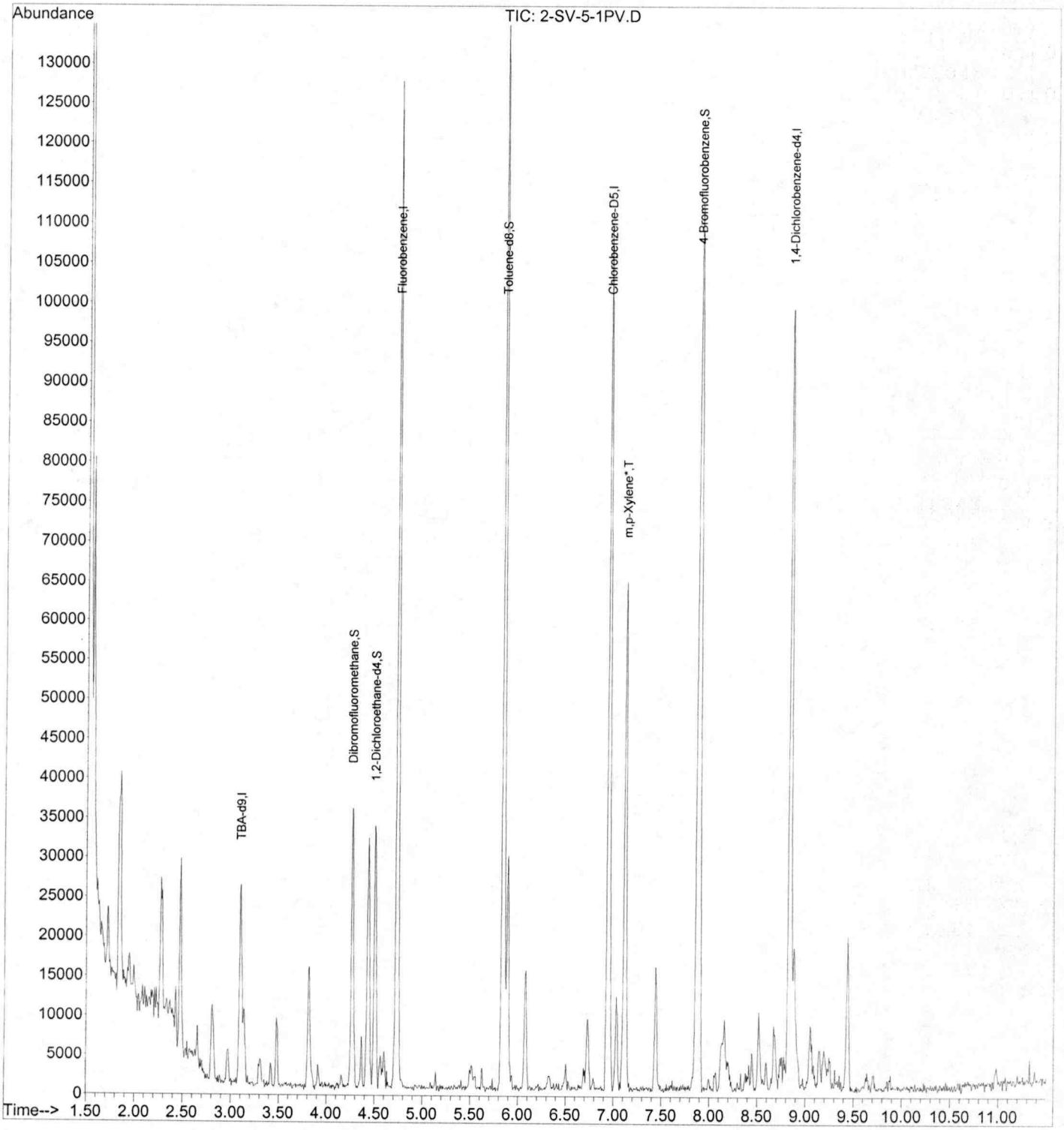
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	102746	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	38122	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.84	152	33813	50.00 ng	0.01
77) TBA-d9	3.10	65	22409	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	20022	51.42 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 102.84%		
27) 1,2-Dichloroethane-d4	4.50	65	22509m	61.68 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 123.36%		
37) Toluene-d8	5.84	98	88797	49.86 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.72%		
55) 4-Bromofluorobenzene	7.87	174	25507	53.52 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 107.04%		
Target Compounds					Qvalue
50) m,p-Xylene*	7.12	106	21586	18.93 ng	99

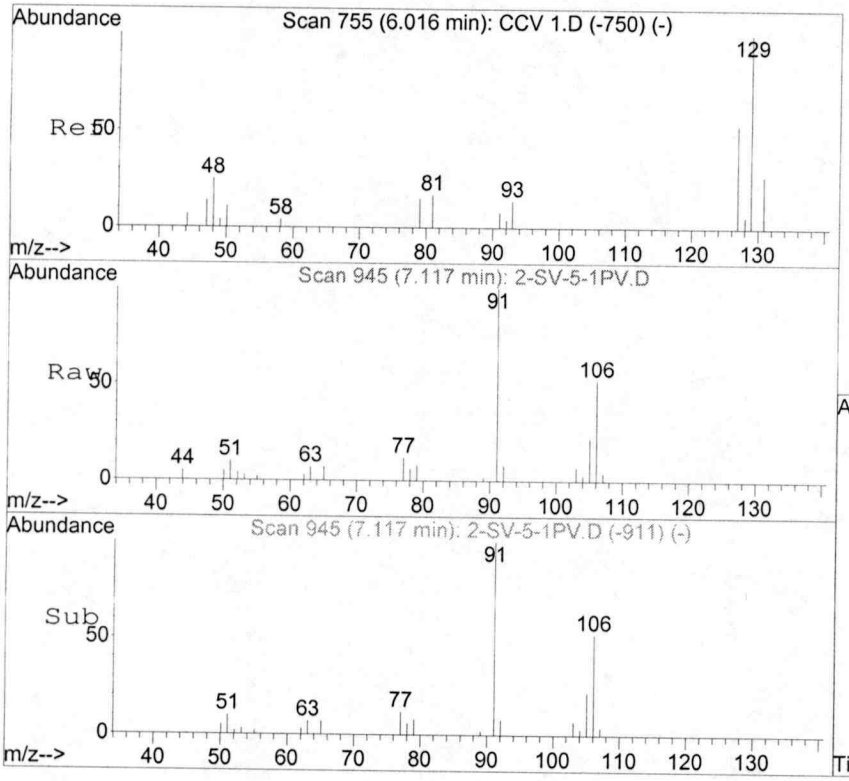
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 2-SV-5-1PV.D
Acq On : 14 Nov 2013 8:33 am
Operator : CS
Sample : E311047-01
Misc : 0.01
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 27 13:44:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

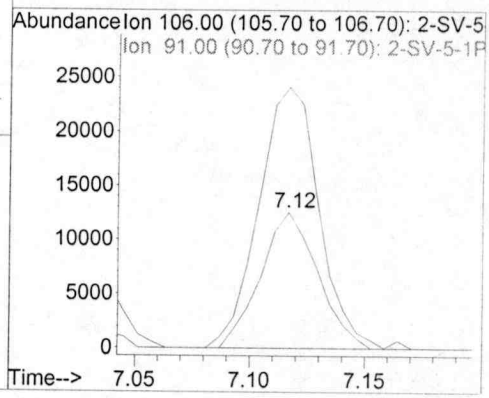




#50
m,p-Xylene*
Concen: 18.93 ng
RT: 7.12 min Scan# 945
Delta R.T. 0.00 min
Lab File: 2-SV-5-1PV.D
Acq: 14 Nov 2013 8:33 am

Tgt Ion:106 Resp: 21586

Ion	Ratio	Lower	Upper
106	100		
91	192.2	163.0	223.0



Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 2-SV-5-3PV.D
Acq On : 14 Nov 2013 8:52 am
Operator : CS
Sample : E311047-02
Misc : 0.01
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 27 13:46:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

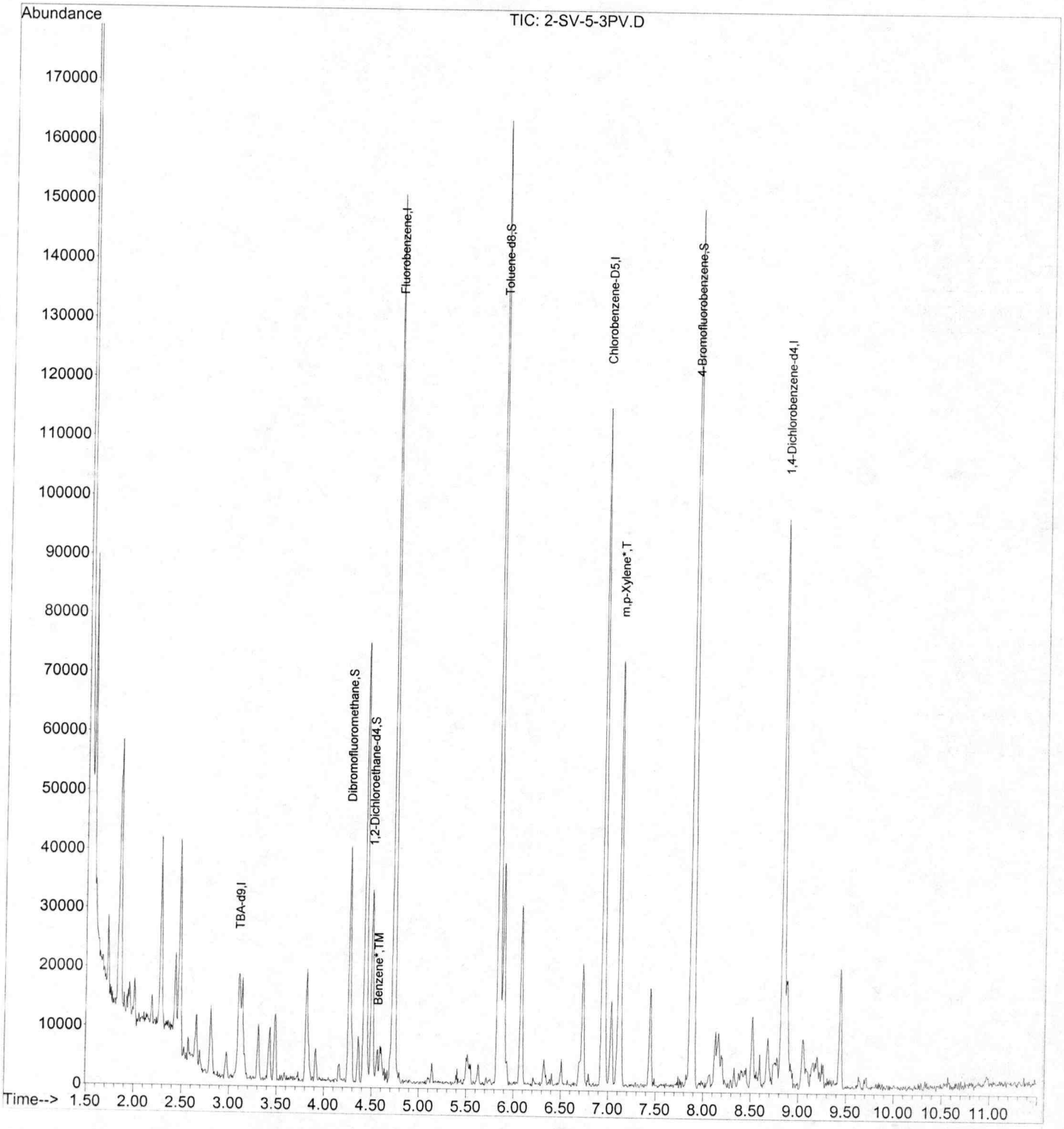
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	120375	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	39871	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	32227	50.00 ng	0.00
77) TBA-d9	3.10	65	15841	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	20904	45.82 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 91.64%		
27) 1,2-Dichloroethane-d4	4.50	65	21581	50.48 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 100.96%		
37) Toluene-d8	5.84	98	102462	49.11 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.22%		
55) 4-Bromofluorobenzene	7.87	174	23249	51.19 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 102.38%		
Target Compounds					Qvalue
30) Benzene*	4.56	78	4922	2.05 ng	# 63
50) m,p-Xylene*	7.12	106	25342	21.24 ng	97

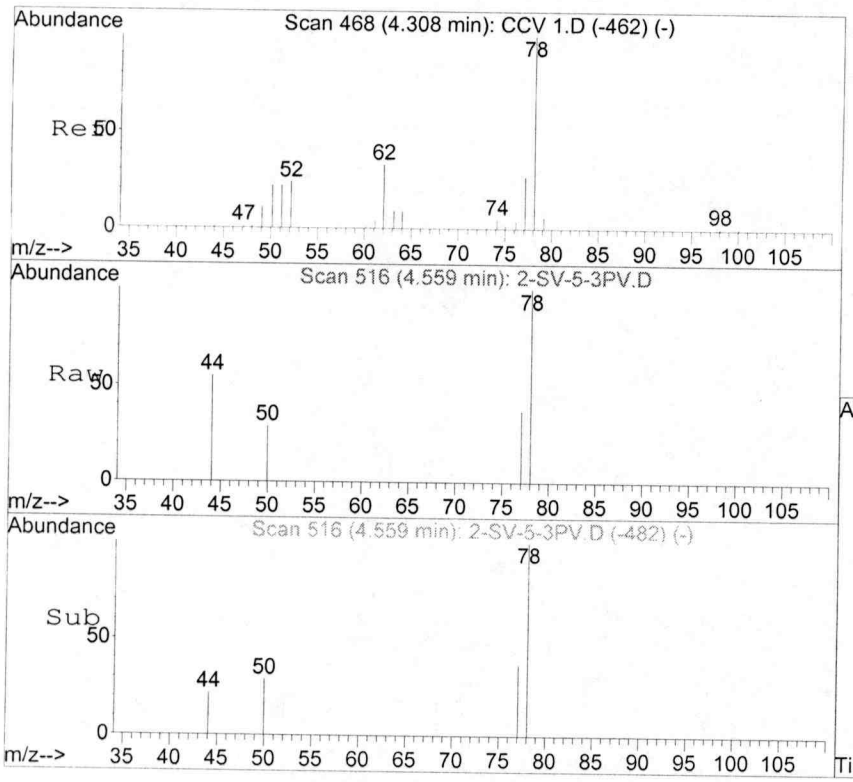
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 2-SV-5-3PV.D
Acq On : 14 Nov 2013 8:52 am
Operator : CS
Sample : E311047-02
Misc : 0.01
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 27 13:46:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

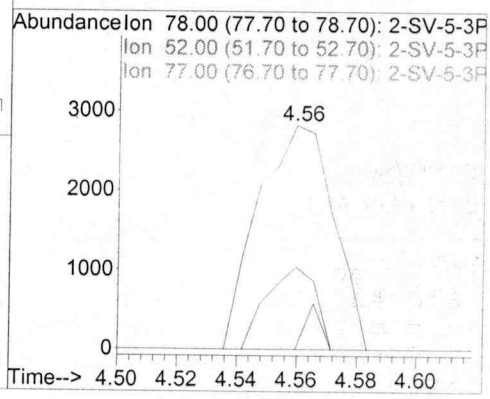


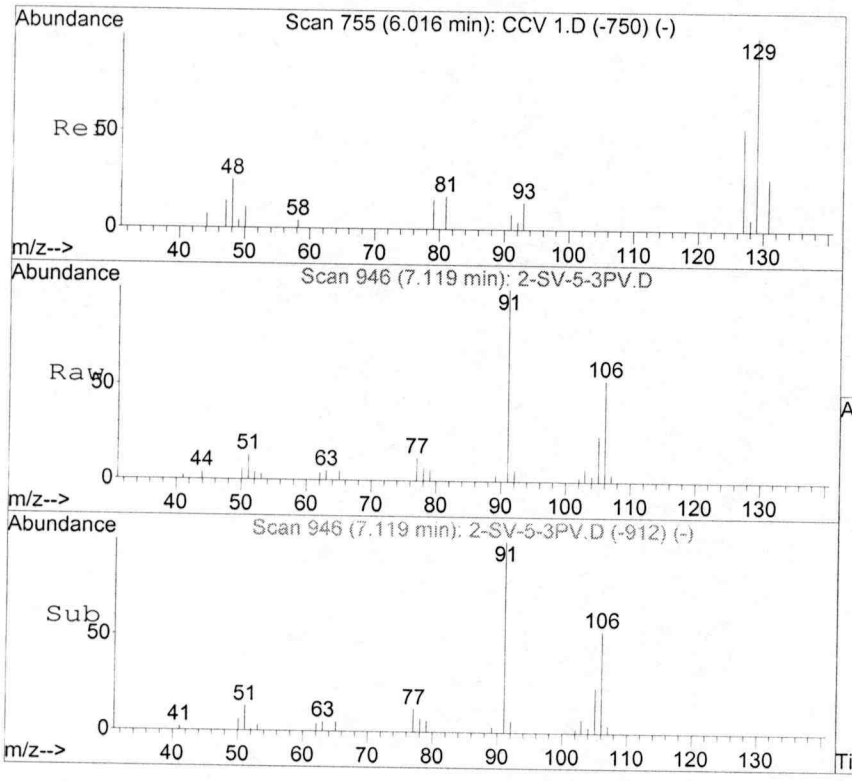


#30
Benzene*
Concen: 2.05 ng
RT: 4.56 min Scan# 516
Delta R.T. 0.00 min
Lab File: 2-SV-5-3PV.D
Acq: 14 Nov 2013 8:52 am

Tgt Ion: 78 Resp: 4922

Ion	Ratio	Lower	Upper
78	100		
52	0.0	3.8	43.8#
77	36.8	4.0	44.0

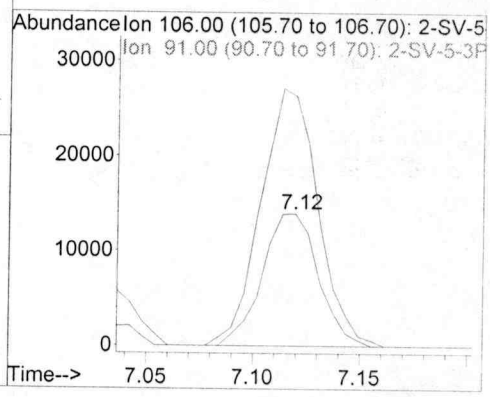




#50
m,p-Xylene*
Concen: 21.24 ng
RT: 7.12 min Scan# 946
Delta R.T. 0.00 min
Lab File: 2-SV-5-3PV.D
Acq: 14 Nov 2013 8:52 am

Tgt Ion:106 Resp: 25342

Ion	Ratio	Lower	Upper
106	100		
91	189.2	163.0	223.0



Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 2-SV-5-10PV.D
Acq On : 14 Nov 2013 9:18 am
Operator : CS
Sample : E311047-03
Misc : 0.01
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 27 13:49:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

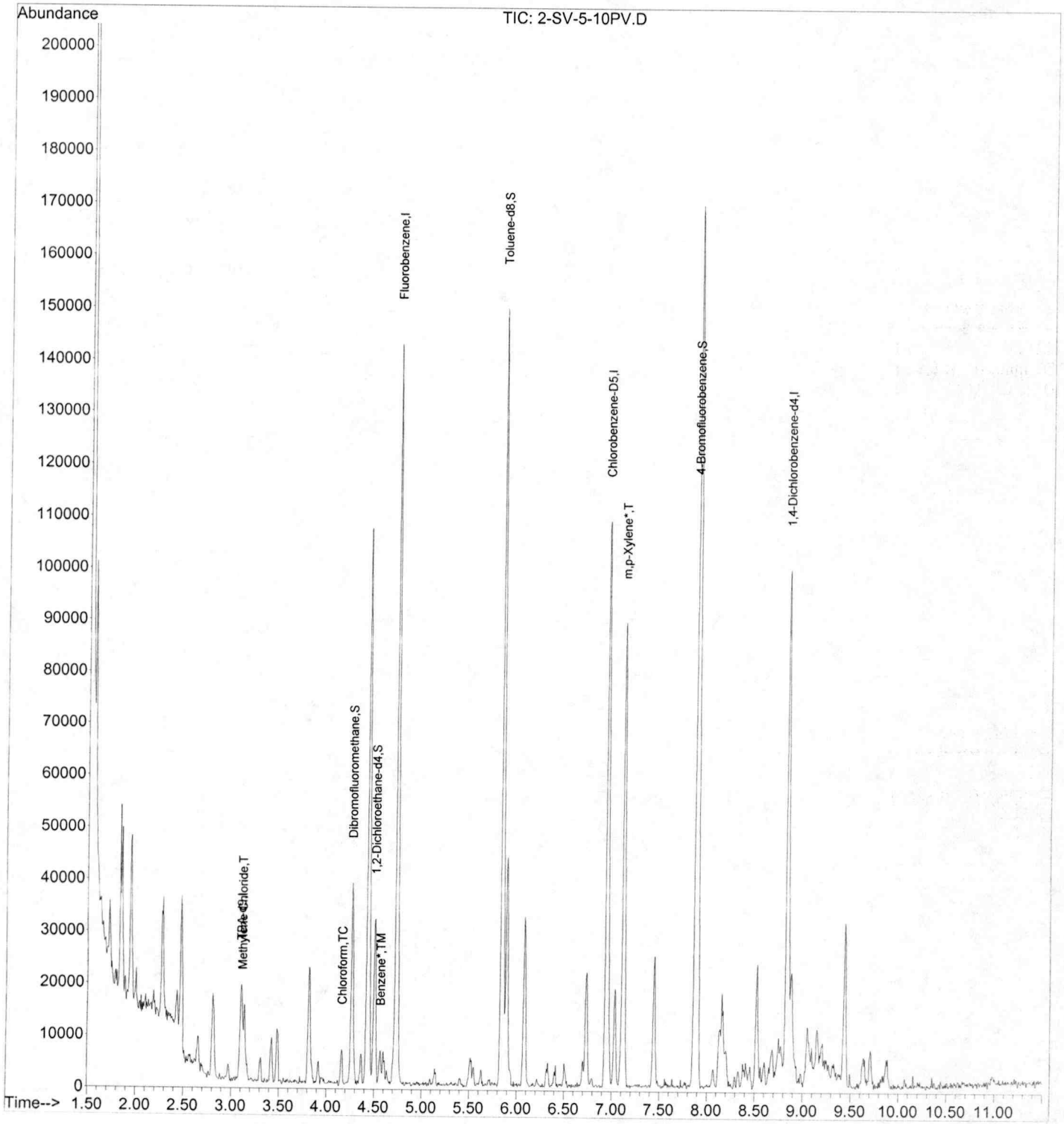
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	115431	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	38058	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.84	152	32457	50.00 ng	0.00
77) TBA-d9	3.10	65	14536	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	20813	47.58 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 95.16%		
27) 1,2-Dichloroethane-d4	4.50	65	21220	51.76 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 103.52%		
37) Toluene-d8	5.84	98	96501	48.24 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 96.48%		
55) 4-Bromofluorobenzene	7.87	174	23383	51.12 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 102.24%		
Target Compounds					Qvalue
12) Methylene Chloride	3.12	84	821	1.67 ng #	71
21) Chloroform	4.16	83	3388	3.59 ng	93
30) Benzene*	4.57	78	4996	2.17 ng	97
50) m,p-Xylene*	7.12	106	31092	27.31 ng	93

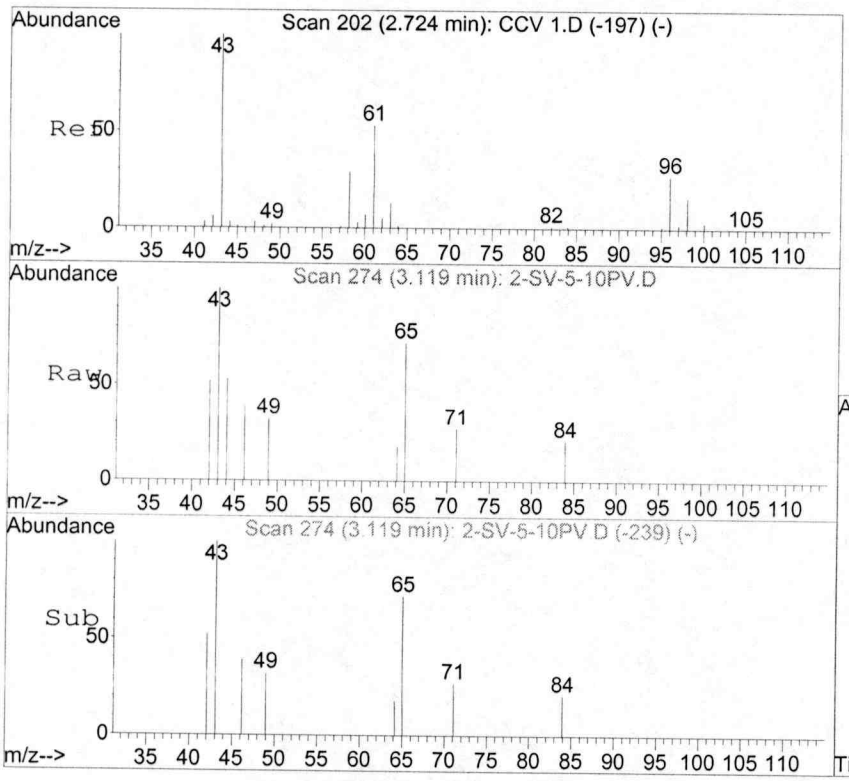
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 2-SV-5-10PV.D
Acq On : 14 Nov 2013 9:18 am
Operator : CS
Sample : E311047-03
Misc : 0.01
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 27 13:49:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

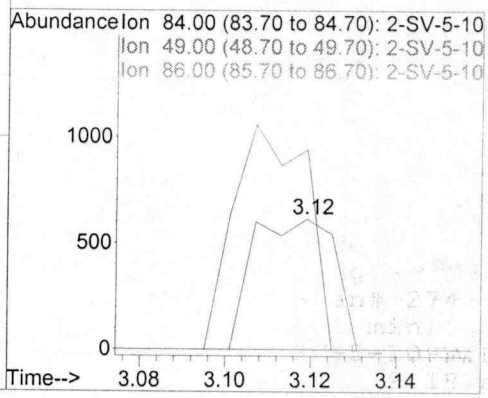


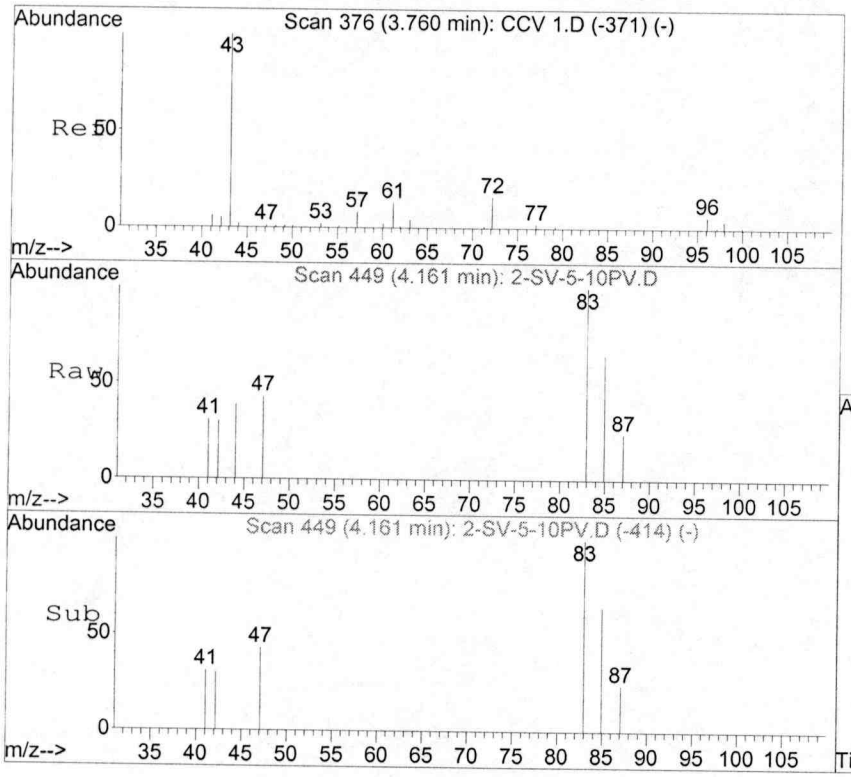


#12
Methylene Chloride
Concen: 1.67 ng
RT: 3.12 min Scan# 274
Delta R.T. 0.01 min
Lab File: 2-SV-5-10PV.D
Acq: 14 Nov 2013 9:18 am

Tgt Ion: 84 Resp: 821

Ion	Ratio	Lower	Upper
84	100		
49	152.9	134.9	194.9
86	0.0	33.0	93.0#

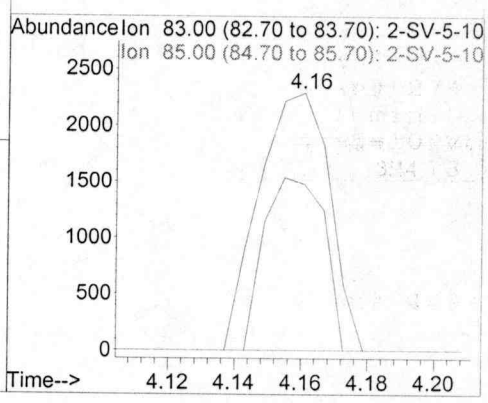


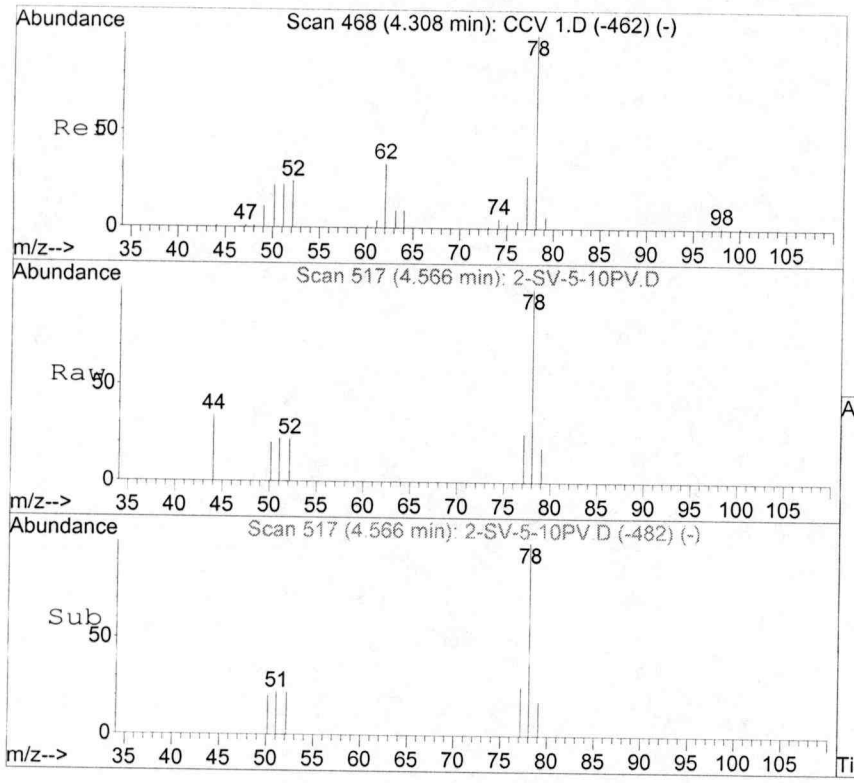


#21
Chloroform
Concen: 3.59 ng
RT: 4.16 min Scan# 449
Delta R.T. 0.01 min
Lab File: 2-SV-5-10PV.D
Acq: 14 Nov 2013 9:18 am

Tgt Ion: 83 Resp: 3388

Ion	Ratio	Lower	Upper
83	100		
85	64.7	40.2	100.2

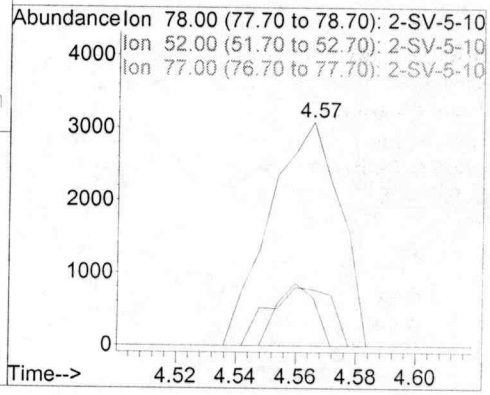


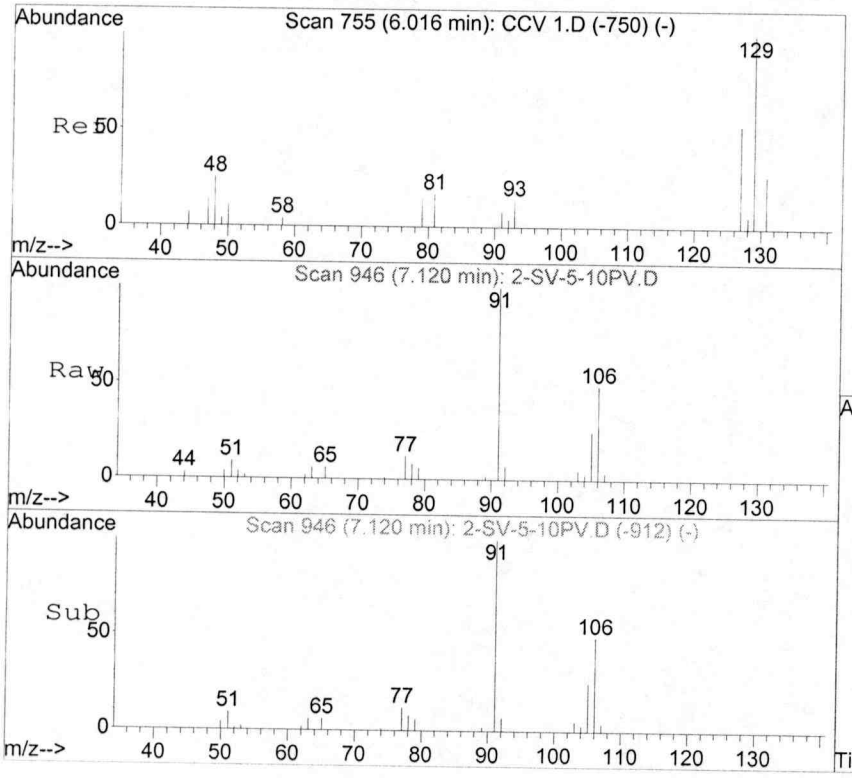


#30
Benzene*
Concen: 2.17 ng
RT: 4.57 min Scan# 517
Delta R.T. 0.01 min
Lab File: 2-SV-5-10PV.D
Acq: 14 Nov 2013 9:18 am

Tgt Ion: 78 Resp: 4996

Ion	Ratio	Lower	Upper
78	100		
52	21.6	3.8	43.8
77	25.0	4.0	44.0

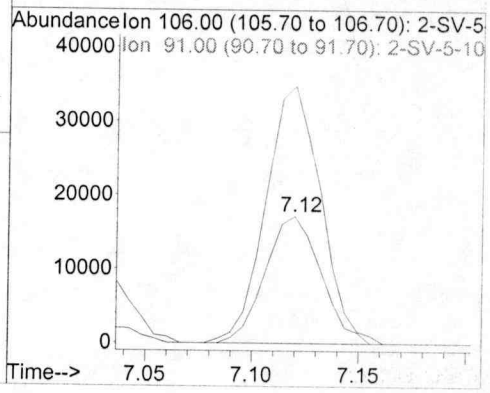




#50
m,p-Xylene*
Concen: 27.31 ng
RT: 7.12 min Scan# 946
Delta R.T. 0.00 min
Lab File: 2-SV-5-10PV.D
Acq: 14 Nov 2013 9:18 am

Tgt Ion:106 Resp: 31092

Ion	Ratio	Lower	Upper
106	100		
91	202.8	163.0	223.0



Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 2-SV-15.D
Acq On : 14 Nov 2013 9:48 am
Operator : CS
Sample : E311047-04
Misc : 0.01
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 27 14:39:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

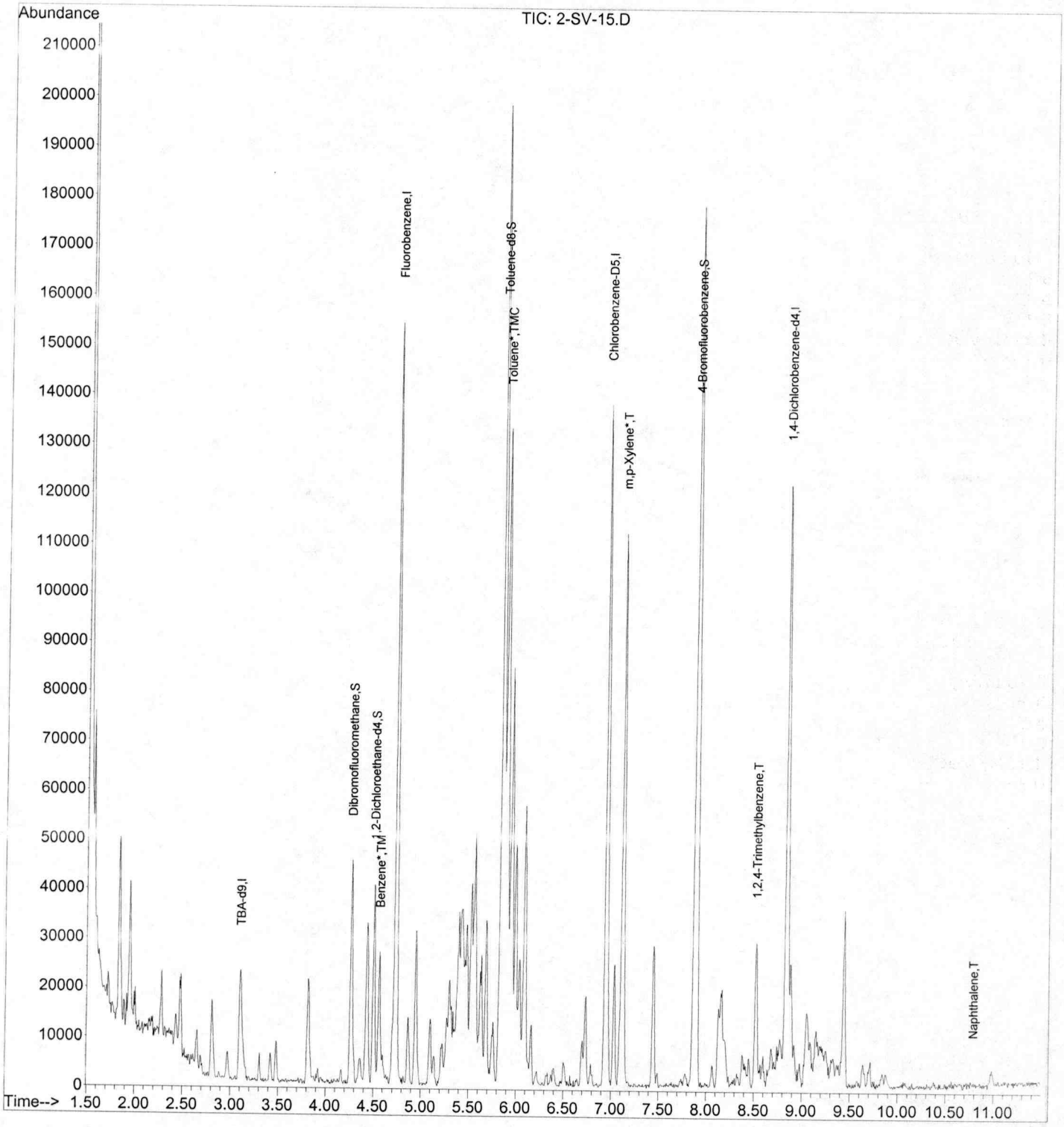
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	127148	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	45931	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.84	152	38357	50.00 ng	0.00
77) TBA-d9	3.10	65	19677	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	23503	48.77 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 97.54%		
27) 1,2-Dichloroethane-d4	4.50	65	24861	55.05 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 110.10%		
37) Toluene-d8	5.84	98	121178	54.99 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 109.98%		
55) 4-Bromofluorobenzene	7.87	174	29343	54.28 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 108.56%		
Target Compounds					Qvalue
30) Benzene*	4.56	78	20204	7.95 ng	96
38) Toluene*	5.90	92	46261	24.73 ng	94
50) m,p-Xylene*	7.12	106	36354	26.46 ng	93
65) 1,2,4-Trimethylbenzene	8.52	105	22767	10.29 ng	88
75) Naphthalene	10.78	128	238	20.26 ng	70

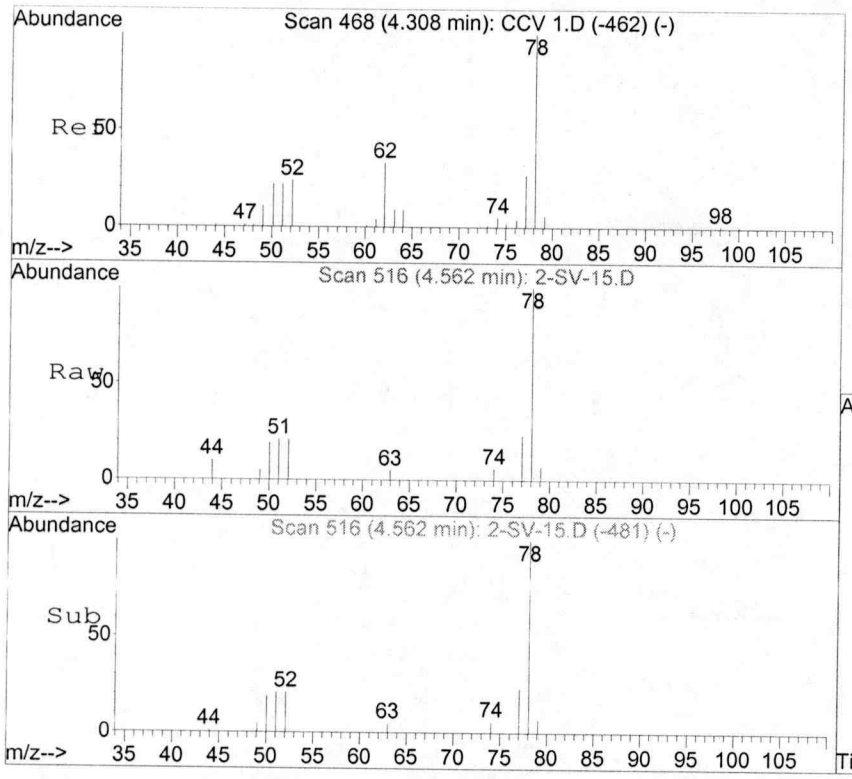
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 2-SV-15.D
Acq On : 14 Nov 2013 9:48 am
Operator : CS
Sample : E311047-04
Misc : 0.01
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 27 14:39:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

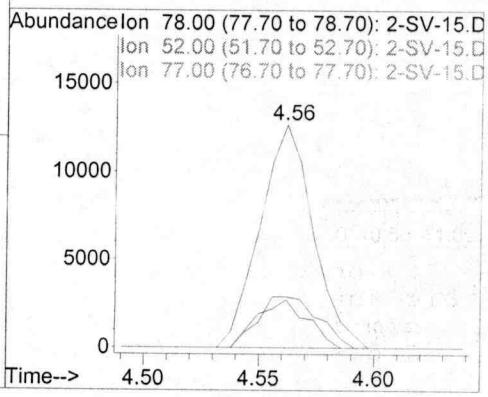


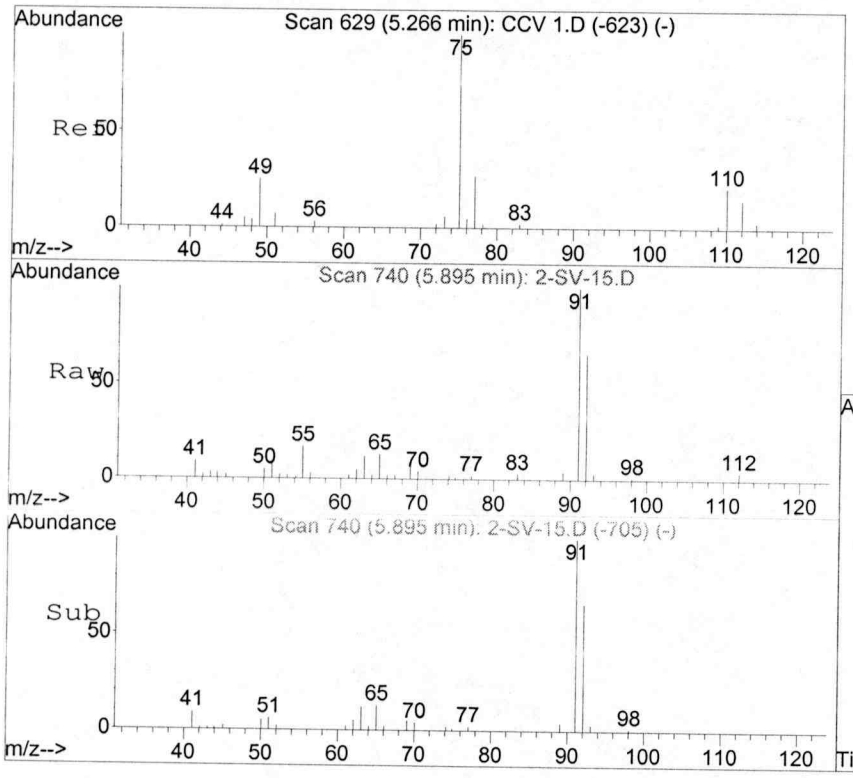


#30
Benzene*
Concen: 7.95 ng
RT: 4.56 min Scan# 516
Delta R.T. 0.01 min
Lab File: 2-SV-15.D
Acq: 14 Nov 2013 9:48 am

Tgt Ion: 78 Resp: 20204

Ion	Ratio	Lower	Upper
78	100		
52	21.3	3.8	43.8
77	22.7	4.0	44.0

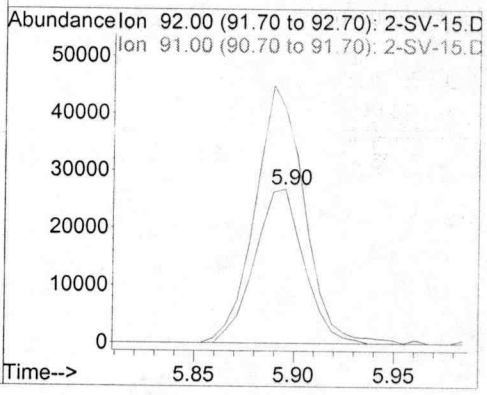


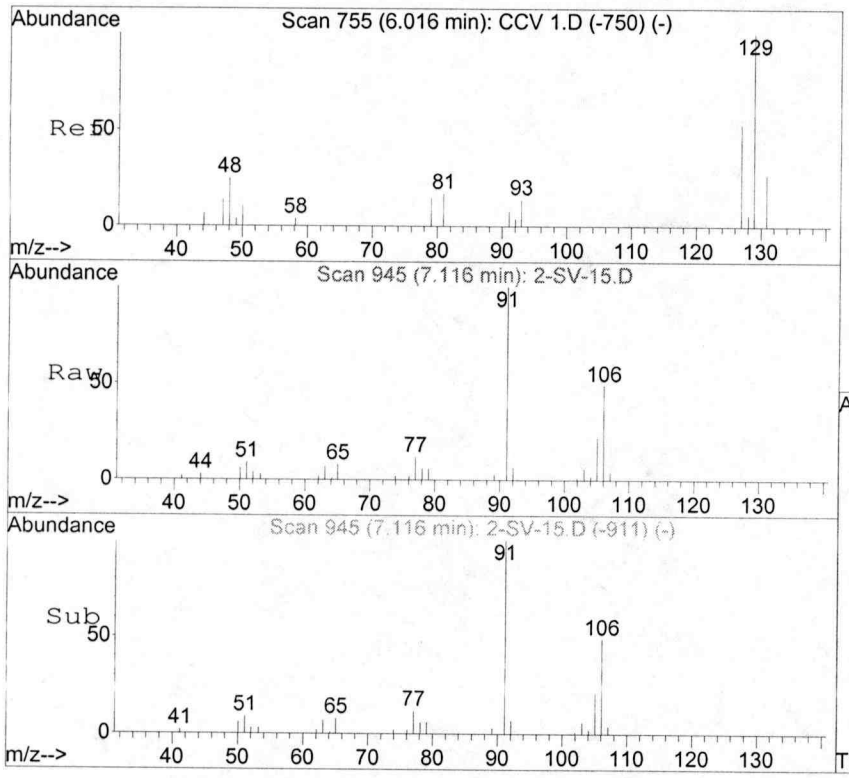


#38
Toluene*
Concen: 24.73 ng
RT: 5.90 min Scan# 740
Delta R.T. 0.01 min
Lab File: 2-SV-15.D
Acq: 14 Nov 2013 9:48 am

Tgt Ion: 92 Resp: 46261

Ion	Ratio	Lower	Upper
92	100		
91	152.2	130.7	190.7

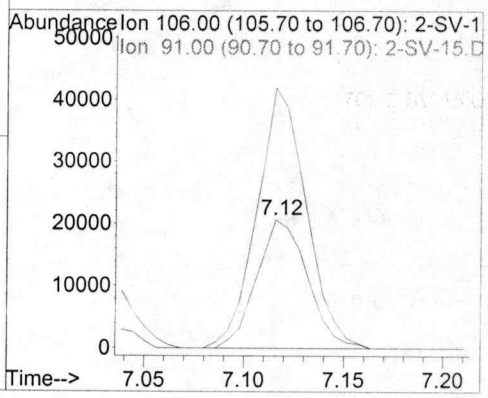


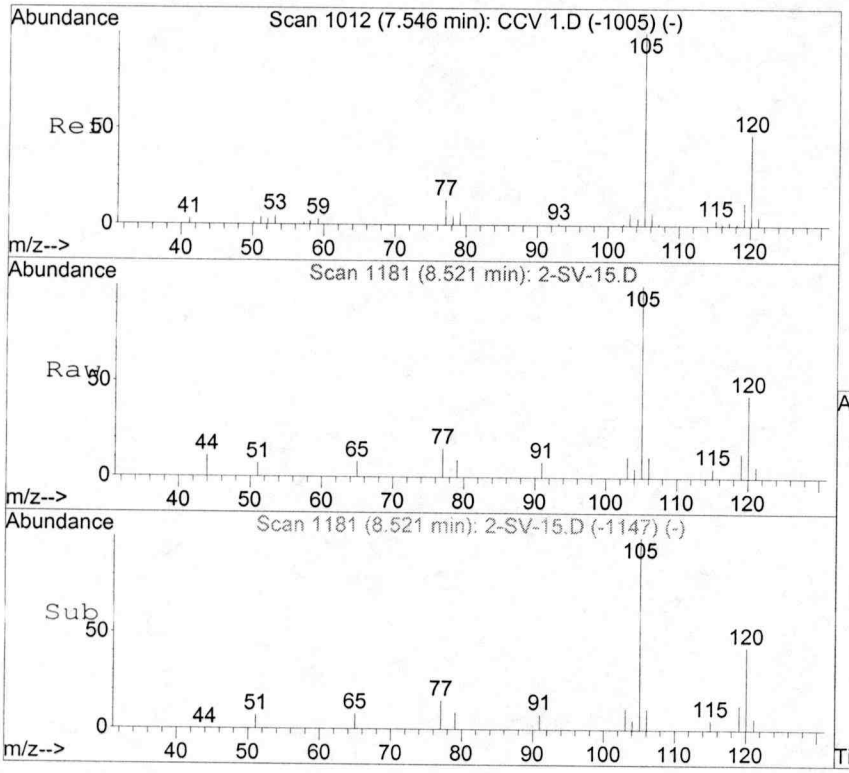


#50
m,p-Xylene*
Concen: 26.46 ng
RT: 7.12 min Scan# 945
Delta R.T. -0.00 min
Lab File: 2-SV-15.D
Acq: 14 Nov 2013 9:48 am

Tgt Ion:106 Resp: 36354

Ion	Ratio	Lower	Upper
106	100		
91	203.8	163.0	223.0

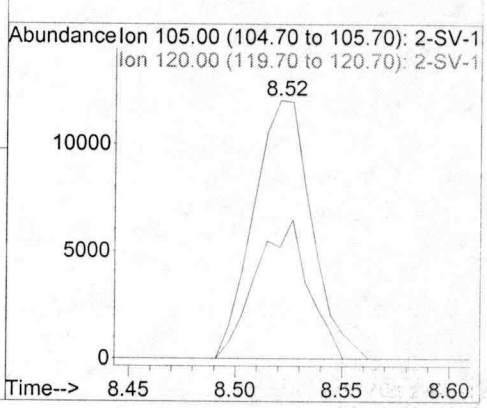


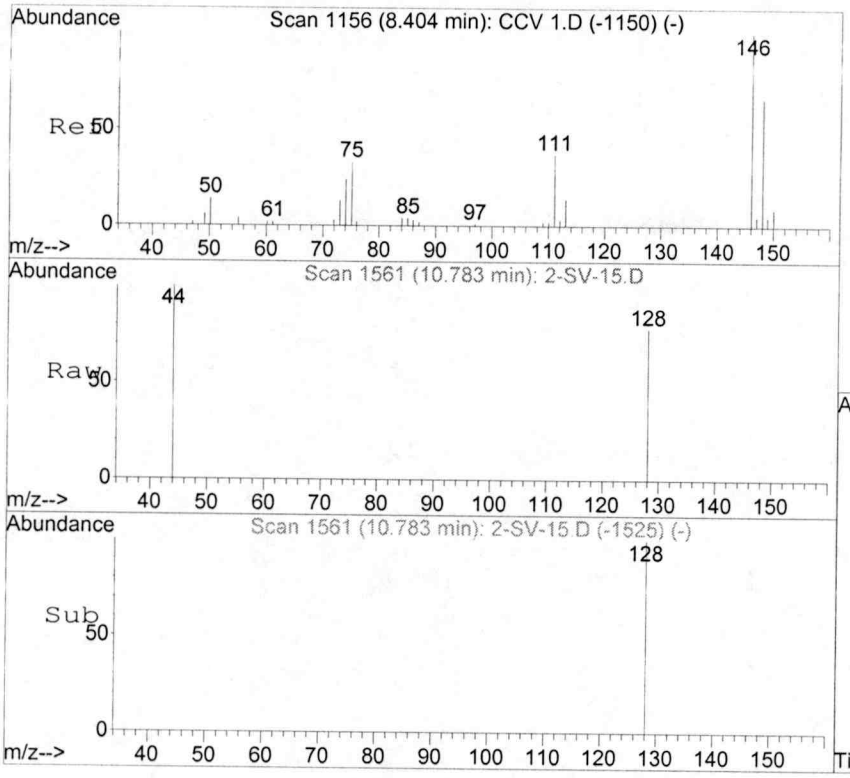


#65
1,2,4-Trimethylbenzene
Concen: 10.29 ng
RT: 8.52 min Scan# 1181
Delta R.T. 0.01 min
Lab File: 2-SV-15.D
Acq: 14 Nov 2013 9:48 am

Tgt Ion:105 Resp: 22767

Ion	Ratio	Lower	Upper
105	100		
120	43.0	21.3	81.3

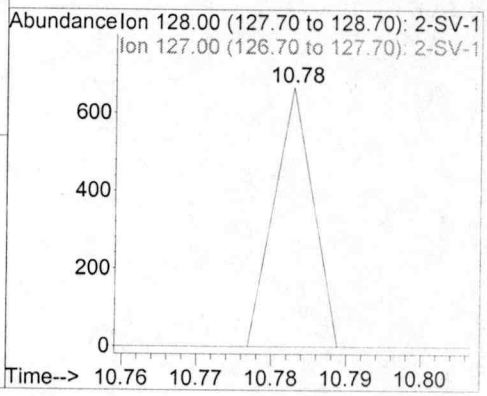




#75
Naphthalene
Concen: 20.26 ng
RT: 10.78 min Scan# 1561
Delta R.T. 0.02 min
Lab File: 2-SV-15.D
Acq: 14 Nov 2013 9:48 am

Tgt Ion:128 Resp: 238

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	31.5



Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 12-SV-5.D
Acq On : 14 Nov 2013 12:09 pm
Operator : CS
Sample : E311047-05
Misc : 0.01
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 27 14:42:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

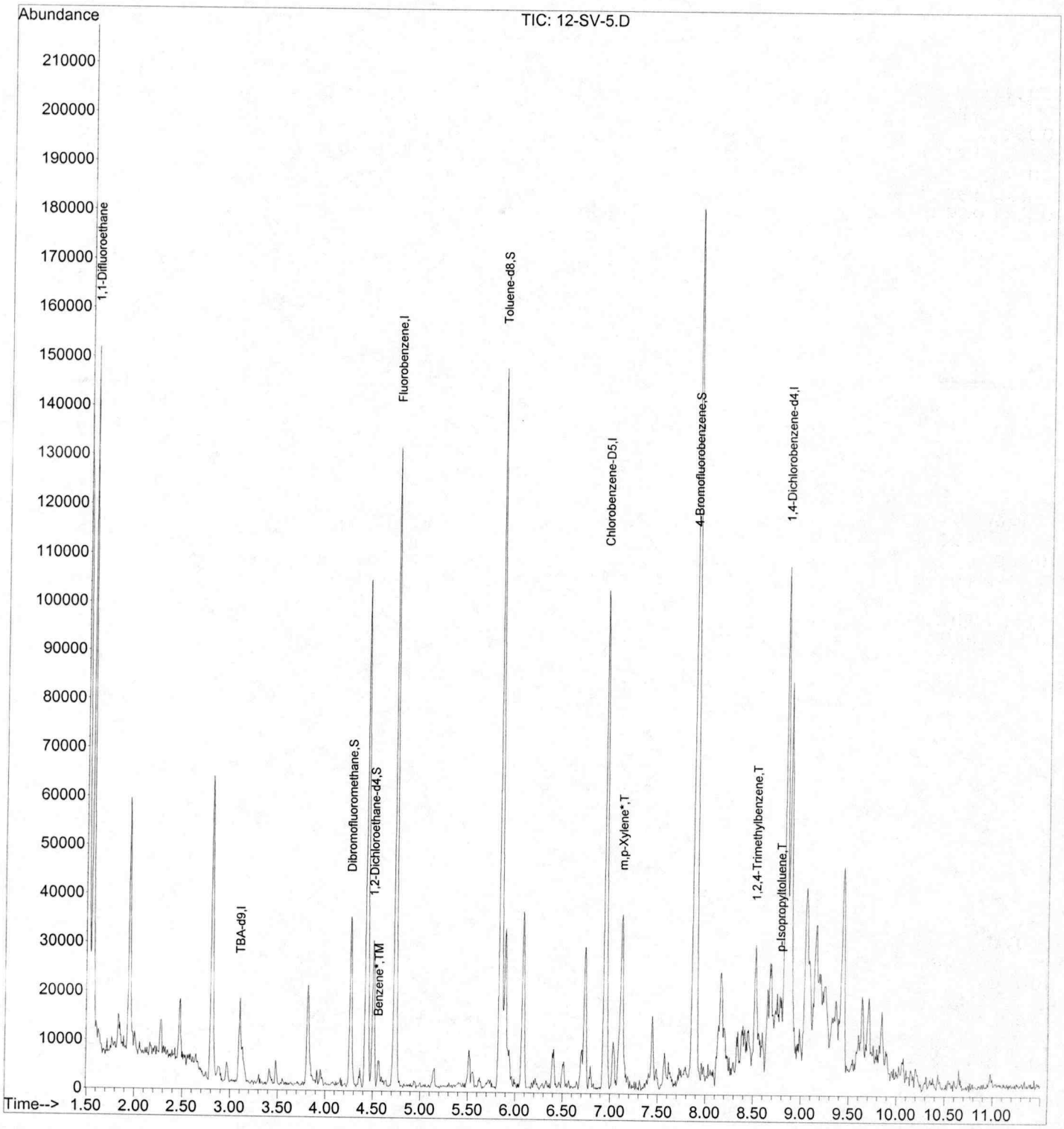
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	104267	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	37196	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.84	152	31013	50.00 ng	0.00
77) TBA-d9	3.10	65	14236	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.27	113	19941	50.46 ng	0.01
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.92%		
27) 1,2-Dichloroethane-d4	4.50	65	19652	53.06 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 106.12%		
37) Toluene-d8	5.84	98	94212	52.13 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 104.26%		
55) 4-Bromofluorobenzene	7.87	174	22900	52.39 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 104.78%		
Target Compounds					Qvalue
2) 1,1-Difluoroethane	1.56	65	30000	88.76 ng	87
30) Benzene*	4.55	78	4663	2.24 ng	82
50) m,p-Xylene*	7.12	106	11834	10.63 ng	93
65) 1,2,4-Trimethylbenzene	8.52	105	19958	11.16 ng	81
67) p-Isopropyltoluene	8.78	119	7186	3.35 ng	86

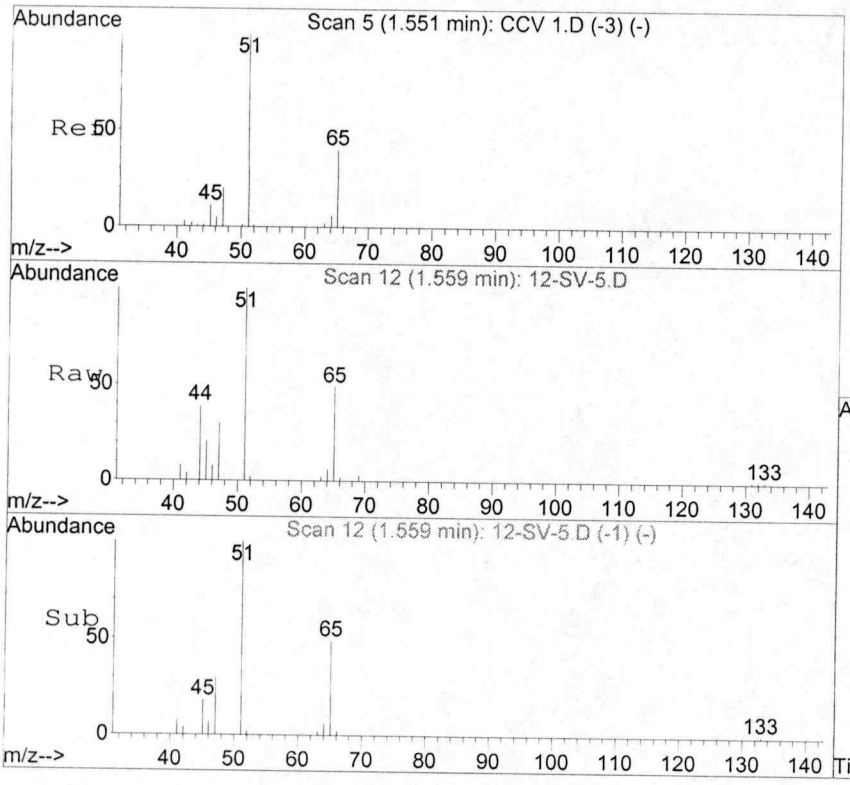
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 12-SV-5.D
Acq On : 14 Nov 2013 12:09 pm
Operator : CS
Sample : E311047-05
Misc : 0.01
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 27 14:42:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

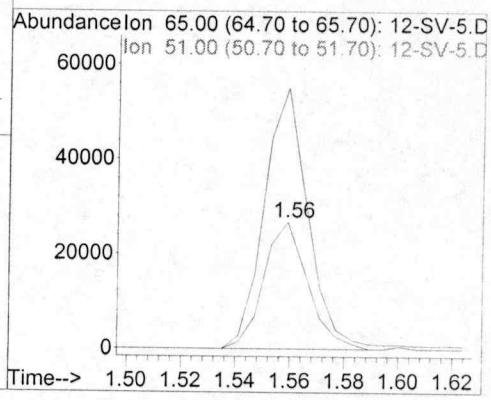


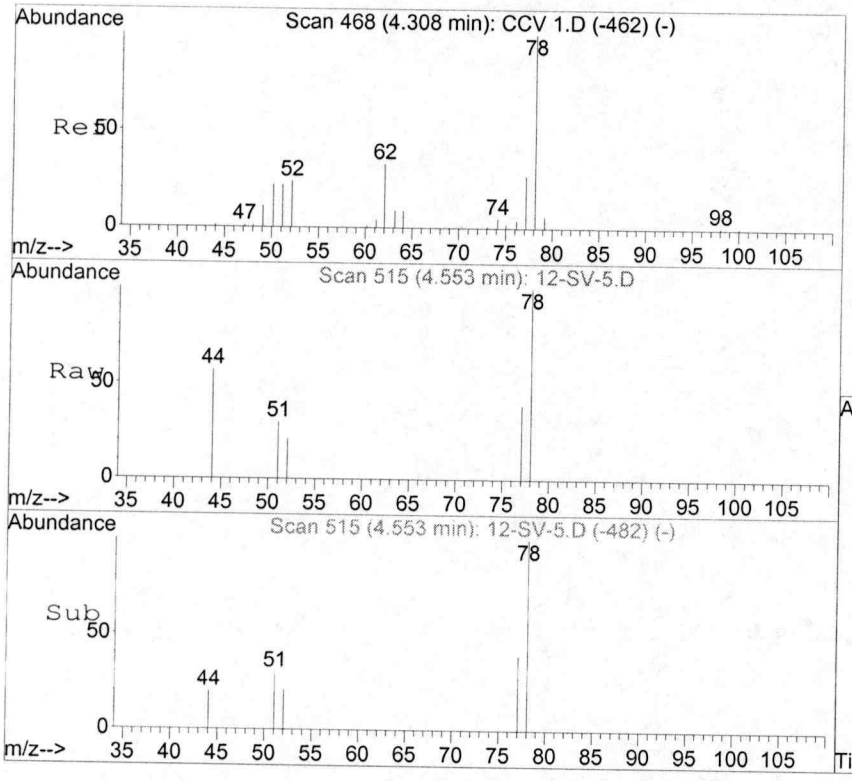


#2
1,1-Difluoroethane
Concen: 88.76 ng
RT: 1.56 min Scan# 12
Delta R.T. 0.01 min
Lab File: 12-SV-5.D
Acq: 14 Nov 2013 12:09 pm

Tgt Ion: 65 Resp: 30000

Ion	Ratio	Lower	Upper
65	100		
51	205.7	181.2	271.8

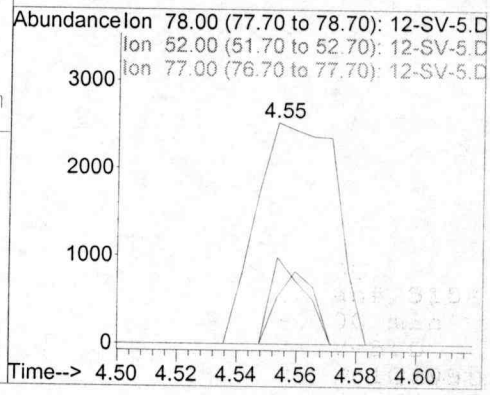


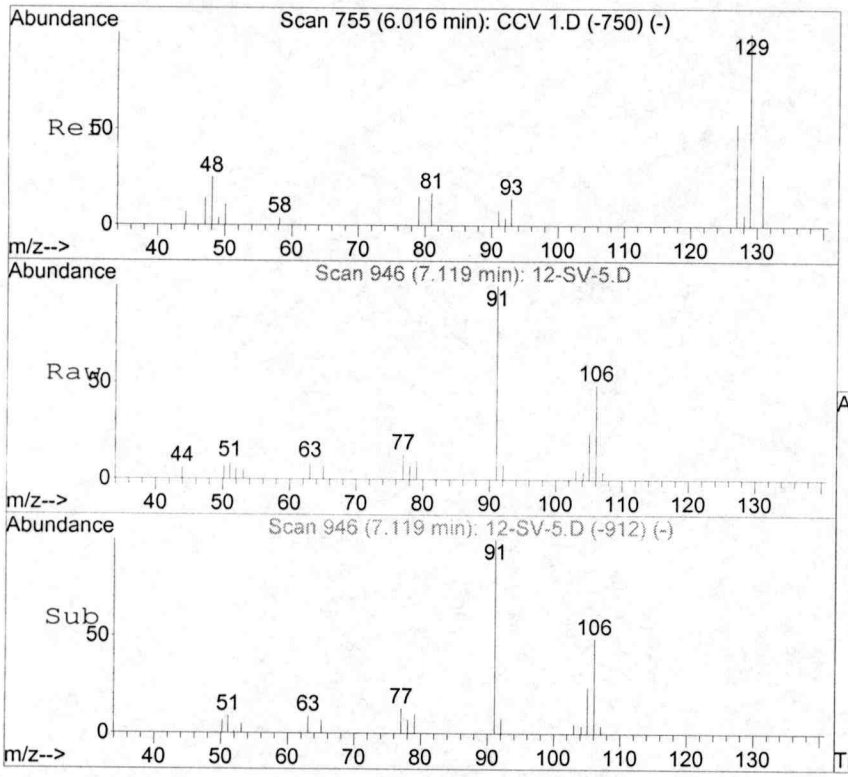


#30
Benzene*
Concen: 2.24 ng
RT: 4.55 min Scan# 515
Delta R.T. -0.00 min
Lab File: 12-SV-5.D
Acq: 14 Nov 2013 12:09 pm

Tgt Ion: 78 Resp: 4663

Ion	Ratio	Lower	Upper
78	100		
52	21.1	3.8	43.8
77	39.0	4.0	44.0

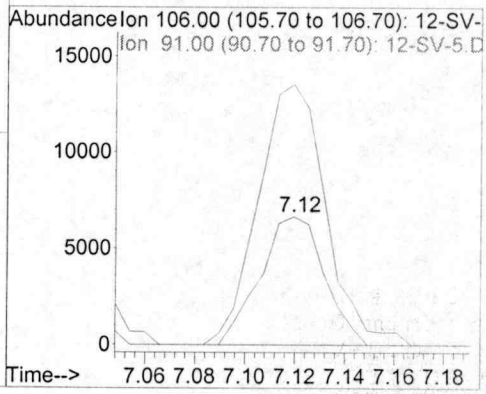


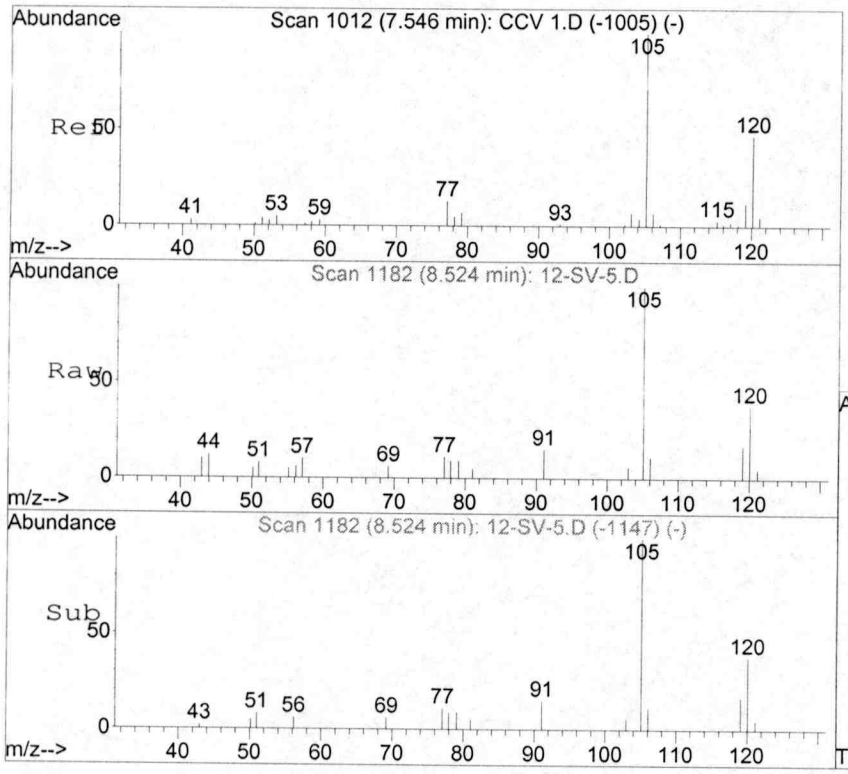


#50
m,p-Xylene*
Concen: 10.63 ng
RT: 7.12 min Scan# 946
Delta R.T. 0.00 min
Lab File: 12-SV-5.D
Acq: 14 Nov 2013 12:09 pm

Tgt Ion:106 Resp: 11834

Ion	Ratio	Lower	Upper
106	100		
91	203.9	163.0	223.0

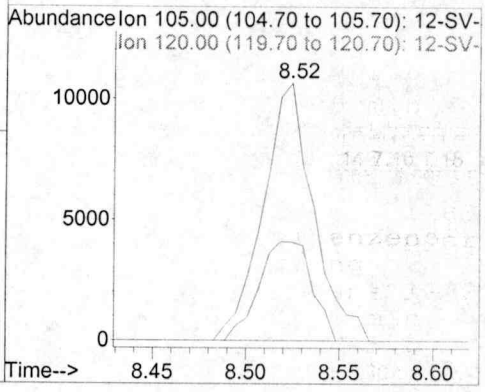


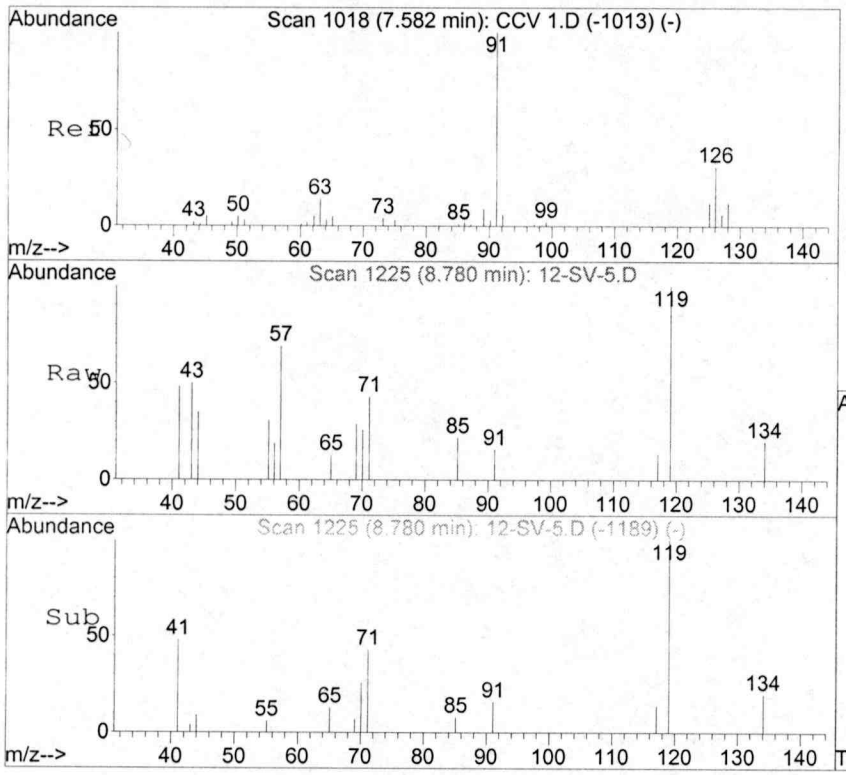


#65
1,2,4-Trimethylbenzene
Concen: 11.16 ng
RT: 8.52 min Scan# 1182
Delta R.T. 0.01 min
Lab File: 12-SV-5.D
Acq: 14 Nov 2013 12:09 pm

Tgt Ion:105 Resp: 19958

Ion	Ratio	Lower	Upper
105	100		
120	38.4	21.3	81.3

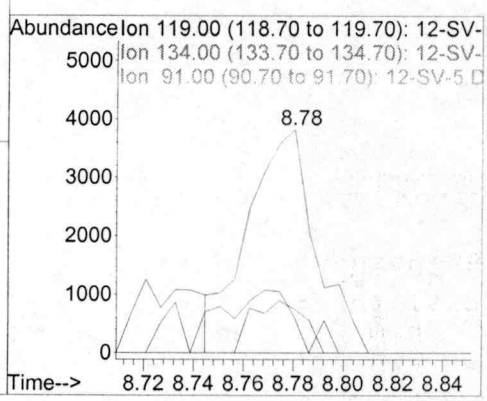




#67
p-Isopropyltoluene
Concen: 3.35 ng
RT: 8.78 min Scan# 1225
Delta R.T. 0.01 min
Lab File: 12-SV-5.D
Acq: 14 Nov 2013 12:09 pm

Tgt Ion:119 Resp: 7186

Ion	Ratio	Lower	Upper
119	100		
134	19.7	0.0	58.2
91	16.2	0.0	52.0



Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 13-SV-15.D
Acq On : 14 Nov 2013 12:55 pm
Operator : CS
Sample : E311047-06
Misc : 0.01
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 27 14:44:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

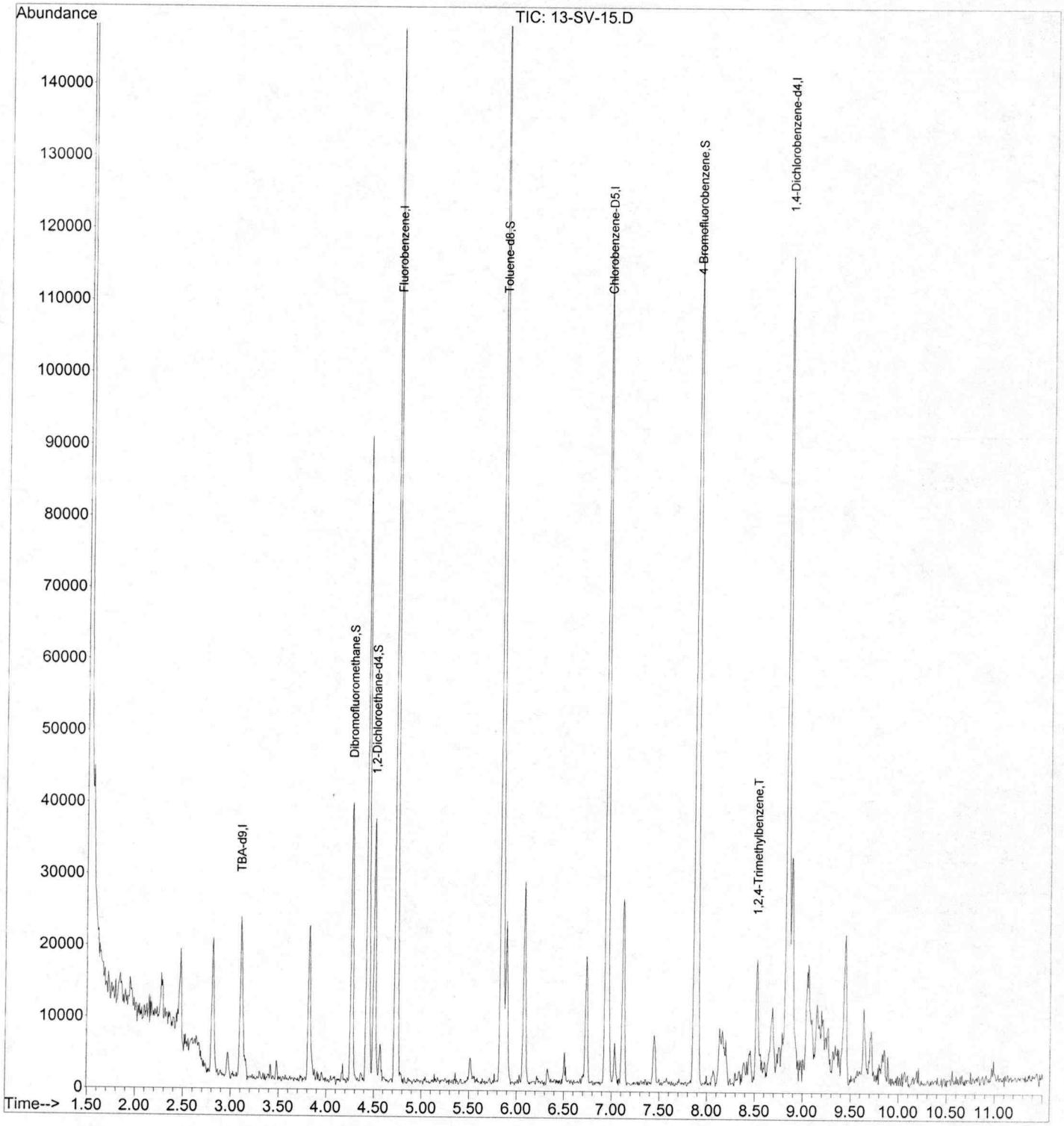
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	119171	50.00 ng	0.00
43) Chlorobenzene-D5	6.95	82	41691	50.00 ng	0.01
54) 1,4-Dichlorobenzene-d4	8.84	152	38986	50.00 ng	0.00
77) TBA-d9	3.10	65	19713	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.27	113	21300	47.16 ng	0.01
Spiked Amount 50.000	Range 75 - 125		Recovery = 94.32%		
27) 1,2-Dichloroethane-d4	4.51	65	23568	55.68 ng	0.01
Spiked Amount 50.000	Range 62 - 139		Recovery = 111.36%		
37) Toluene-d8	5.85	98	102992	49.86 ng	0.01
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.72%		
55) 4-Bromofluorobenzene	7.88	174	24751	45.04 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 90.08%		
Target Compounds					Qvalue
65) 1,2,4-Trimethylbenzene	8.52	105	15081	6.71 ng	79

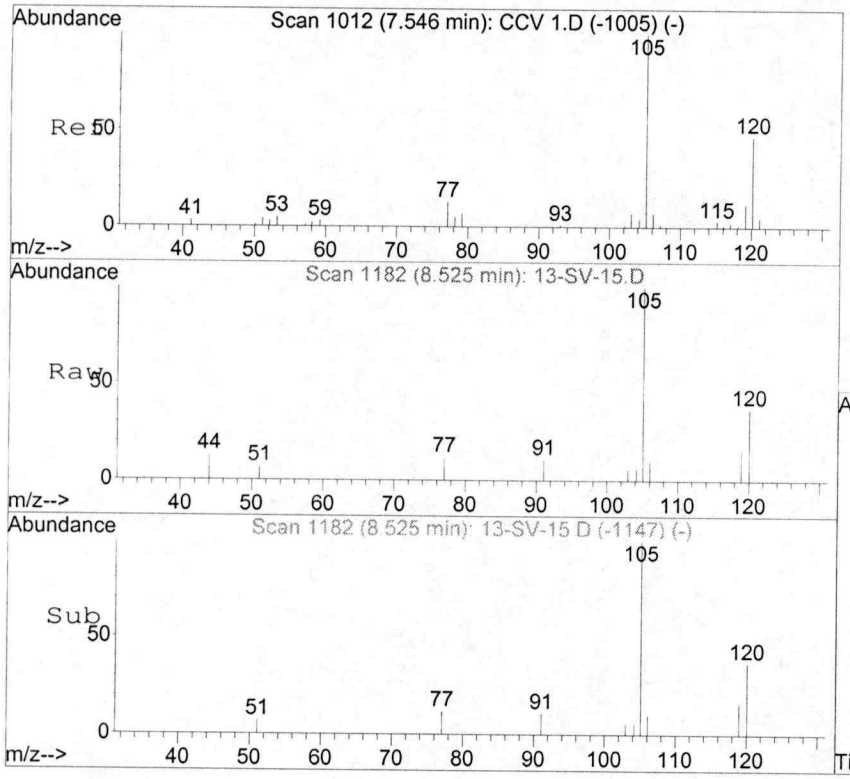
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 13-SV-15.D
Acq On : 14 Nov 2013 12:55 pm
Operator : CS
Sample : E311047-06
Misc : 0.01
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 27 14:44:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

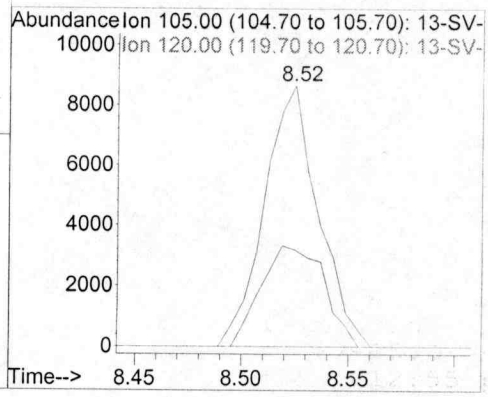




#65
1,2,4-Trimethylbenzene
Concen: 6.71 ng
RT: 8.52 min Scan# 1182
Delta R.T. 0.01 min
Lab File: 13-SV-15.D
Acq: 14 Nov 2013 12:55 pm

Tgt Ion:105 Resp: 15081

Ion	Ratio	Lower	Upper
105	100		
120	36.8	21.3	81.3



Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 13-SV-5.D
Acq On : 14 Nov 2013 1:49 pm
Operator : CS
Sample : E311047-07
Misc : 0.01
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 27 14:48:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

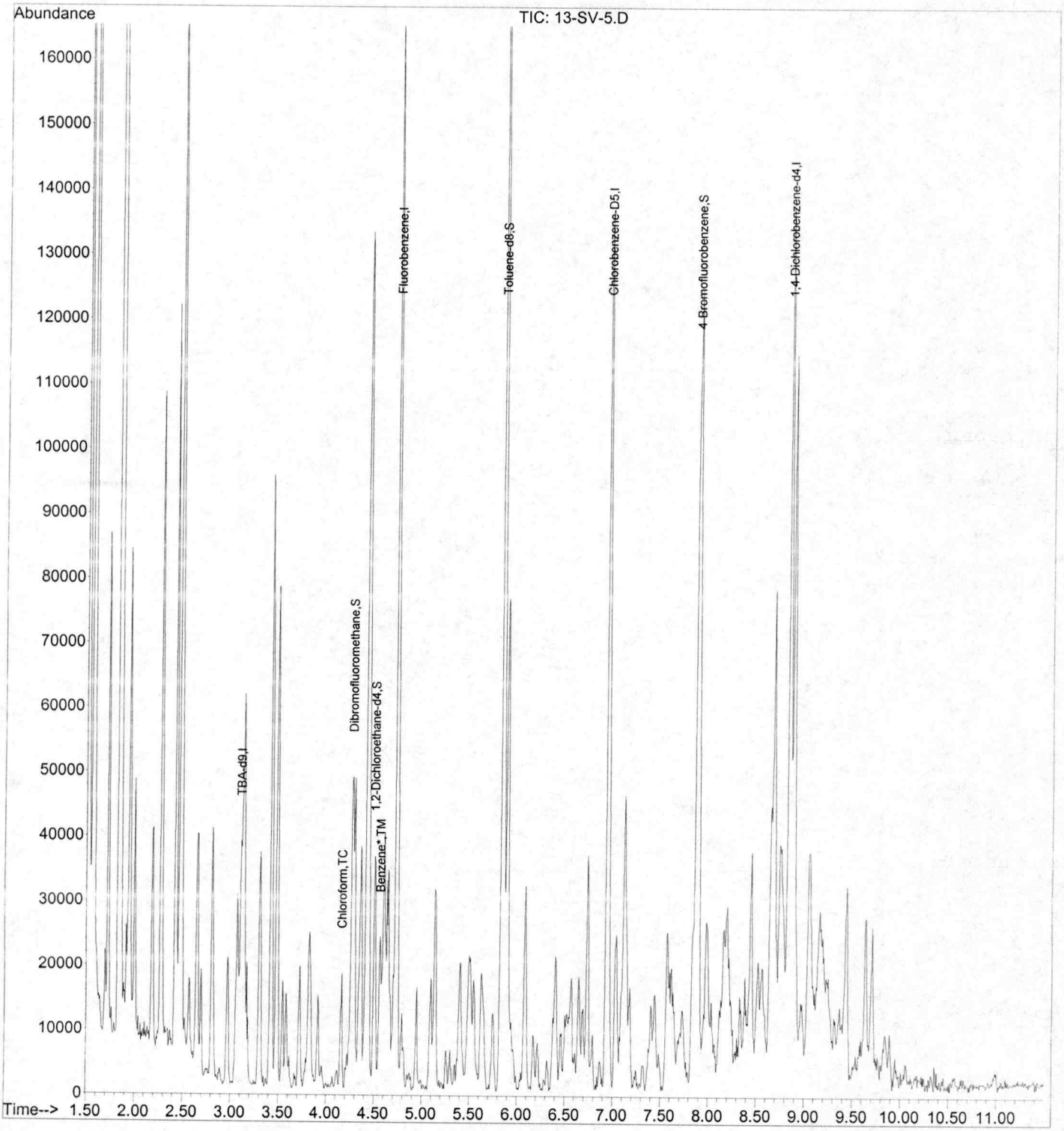
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	133226	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	47497	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.84	152	39303	50.00 ng	0.01
77) TBA-d9	3.10	65	18290	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	21754	43.08 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 86.16%		
27) 1,2-Dichloroethane-d4	4.51	65	23486	49.63 ng	0.01
Spiked Amount 50.000	Range 62 - 139		Recovery = 99.26%		
37) Toluene-d8	5.84	98	118980	51.53 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 103.06%		
55) 4-Bromofluorobenzene	7.87	174	27890	50.35 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.70%		
Target Compounds					Qvalue
21) Chloroform	4.16	83	2625	2.41 ng #	60
30) Benzene*	4.56	78	14751	5.54 ng	95

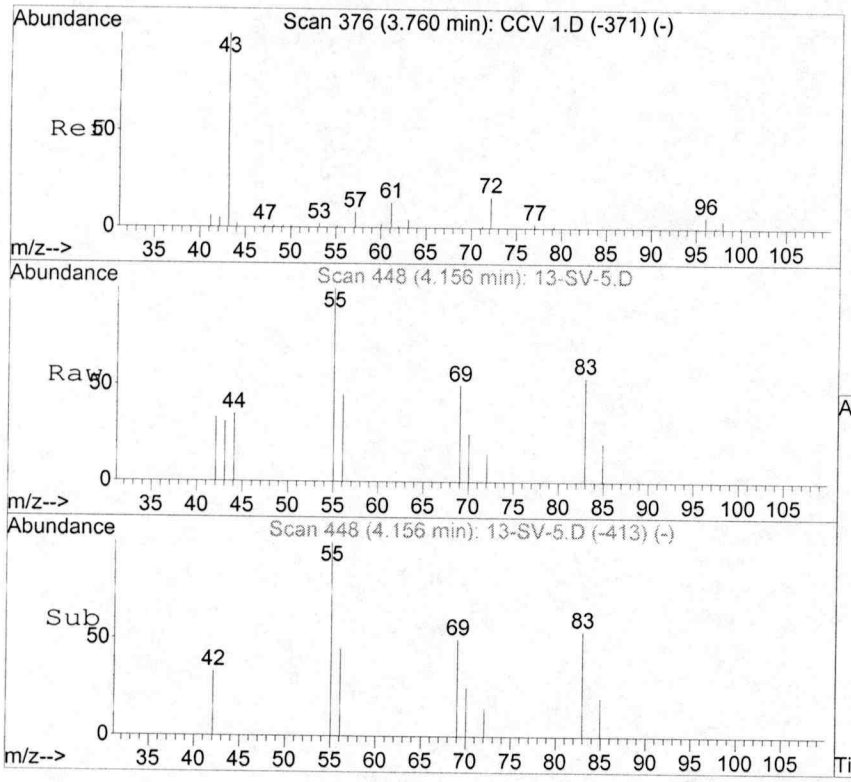
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 13-SV-5.D
Acq On : 14 Nov 2013 1:49 pm
Operator : CS
Sample : E311047-07
Misc : 0.01
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 27 14:48:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

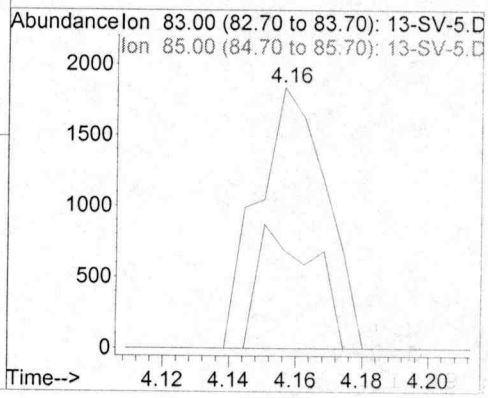


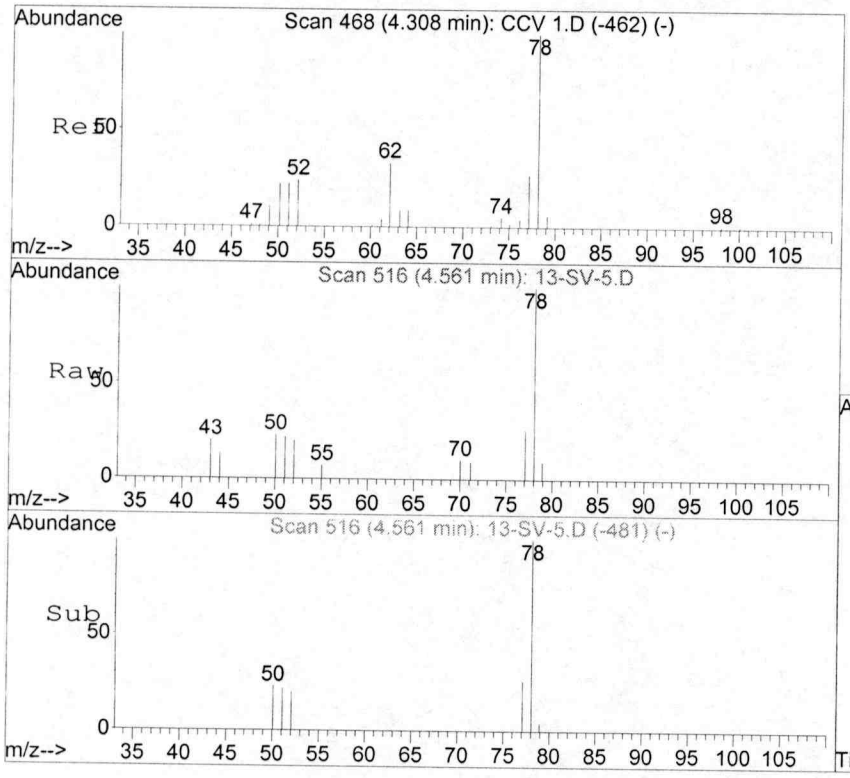


#21
Chloroform
Concen: 2.41 ng
RT: 4.16 min Scan# 448
Delta R.T. 0.01 min
Lab File: 13-SV-5.D
Acq: 14 Nov 2013 1:49 pm

Tgt Ion: 83 Resp: 2625

Ion	Ratio	Lower	Upper
83	100		
85	37.3	40.2	100.2#

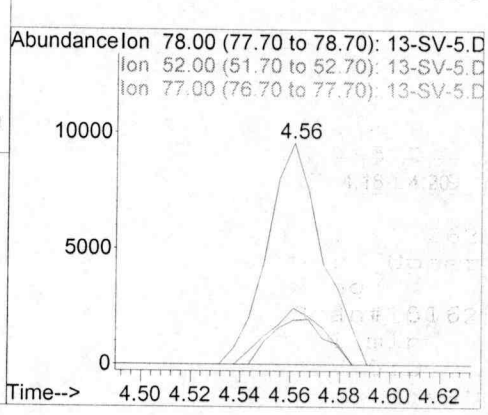




#30
Benzene*
Concen: 5.54 ng
RT: 4.56 min Scan# 516
Delta R.T. 0.01 min
Lab File: 13-SV-5.D
Acq: 14 Nov 2013 1:49 pm

Tgt Ion: 78 Resp: 14751

Ion	Ratio	Lower	Upper
78	100		
52	20.0	3.8	43.8
77	25.5	4.0	44.0



Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 8-SV-15.D
Acq On : 14 Nov 2013 2:25 pm
Operator : CS
Sample : E311047-08
Misc : 0.01
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 27 14:50:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

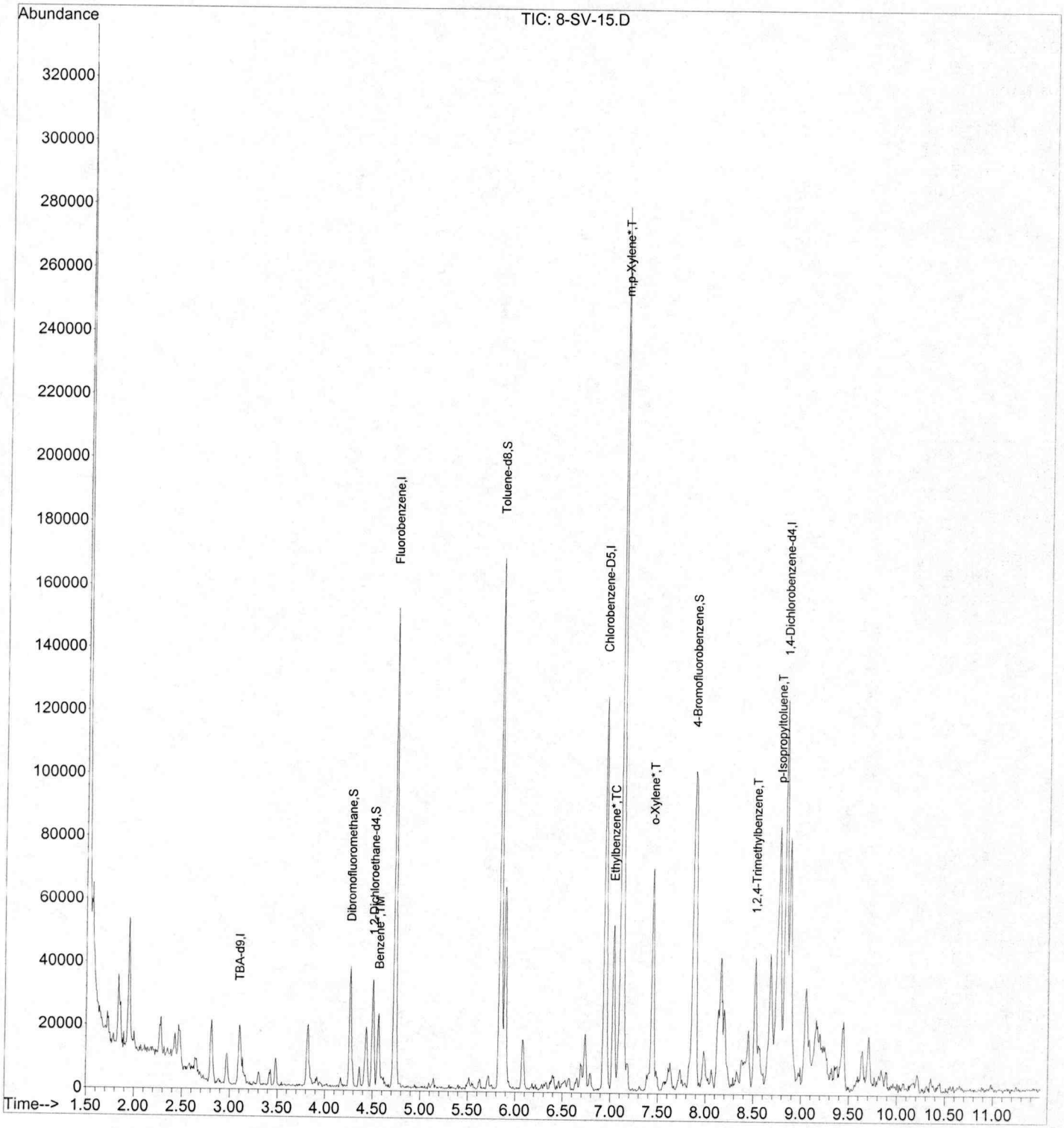
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	119610	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	40944	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.84	152	38246	50.00 ng	0.00
77) TBA-d9	3.10	65	15872	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.27	113	20447	45.11 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 90.22%		
27) 1,2-Dichloroethane-d4	4.50	65	21943	51.65 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 103.30%		
37) Toluene-d8	5.84	98	105319	50.80 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.60%		
55) 4-Bromofluorobenzene	7.87	174	25901	48.05 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 96.10%		
Target Compounds					Qvalue
30) Benzene*	4.56	78	18153	7.59 ng	95
48) Ethylbenzene*	7.03	106	11813	12.84 ng	93
50) m,p-Xylene*	7.12	106	86580	70.68 ng	96
51) o-Xylene*	7.44	106	21433	19.94 ng	96
65) 1,2,4-Trimethylbenzene	8.52	105	30667	13.90 ng	77
67) p-Isopropyltoluene	8.77	119	57544	21.74 ng	95

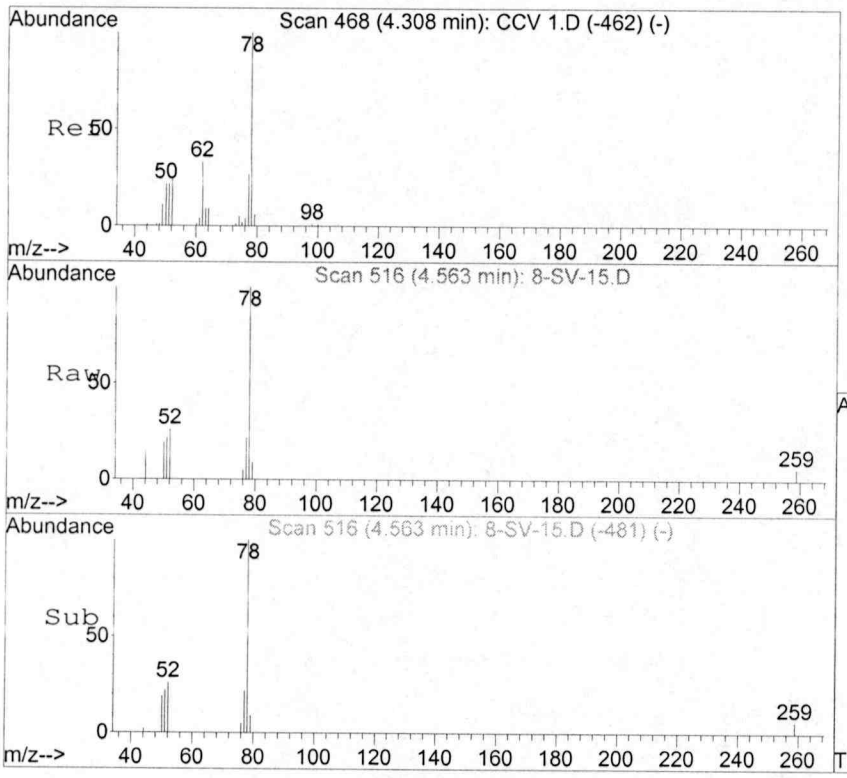
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 8-SV-15.D
Acq On : 14 Nov 2013 2:25 pm
Operator : CS
Sample : E311047-08
Misc : 0.01
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 27 14:50:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

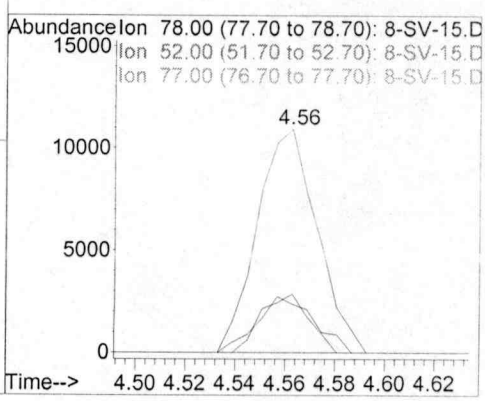


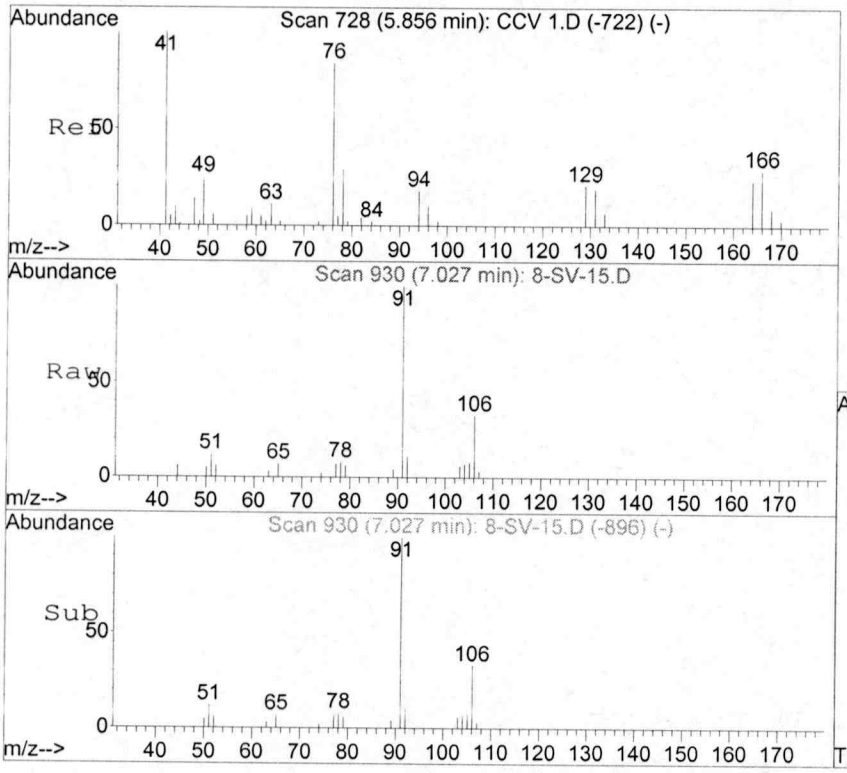


#30
Benzene*
Concen: 7.59 ng
RT: 4.56 min Scan# 516
Delta R.T. 0.01 min
Lab File: 8-SV-15.D
Acq: 14 Nov 2013 2:25 pm

Tgt Ion: 78 Resp: 18153

Ion	Ratio	Lower	Upper
78	100		
52	26.2	3.8	43.8
77	21.8	4.0	44.0

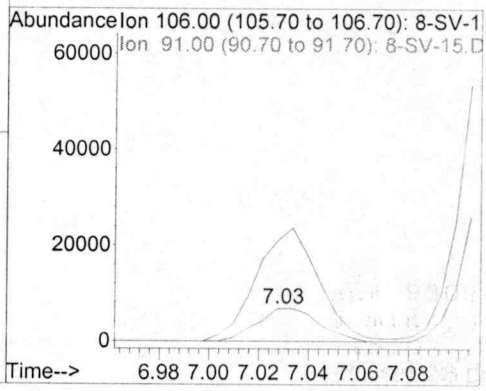


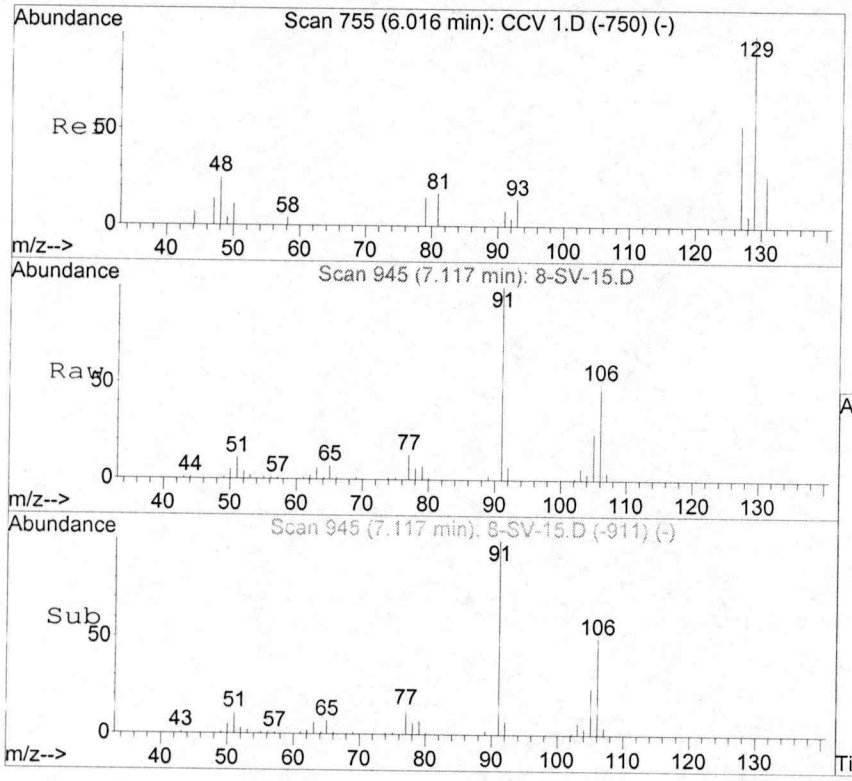


#48
Ethylbenzene*
Concen: 12.84 ng
RT: 7.03 min Scan# 930
Delta R.T. 0.00 min
Lab File: 8-SV-15.D
Acq: 14 Nov 2013 2:25 pm

Tgt Ion:106 Resp: 11813

Ion	Ratio	Lower	Upper
106	100		
91	305.4	288.8	348.8

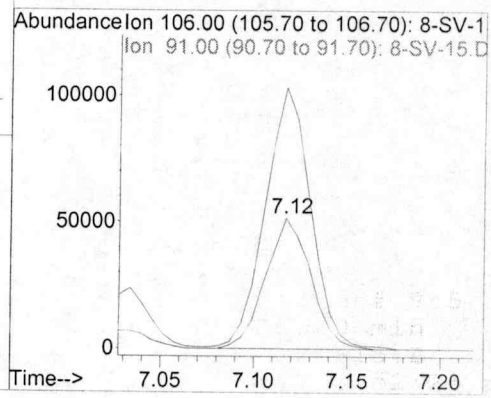


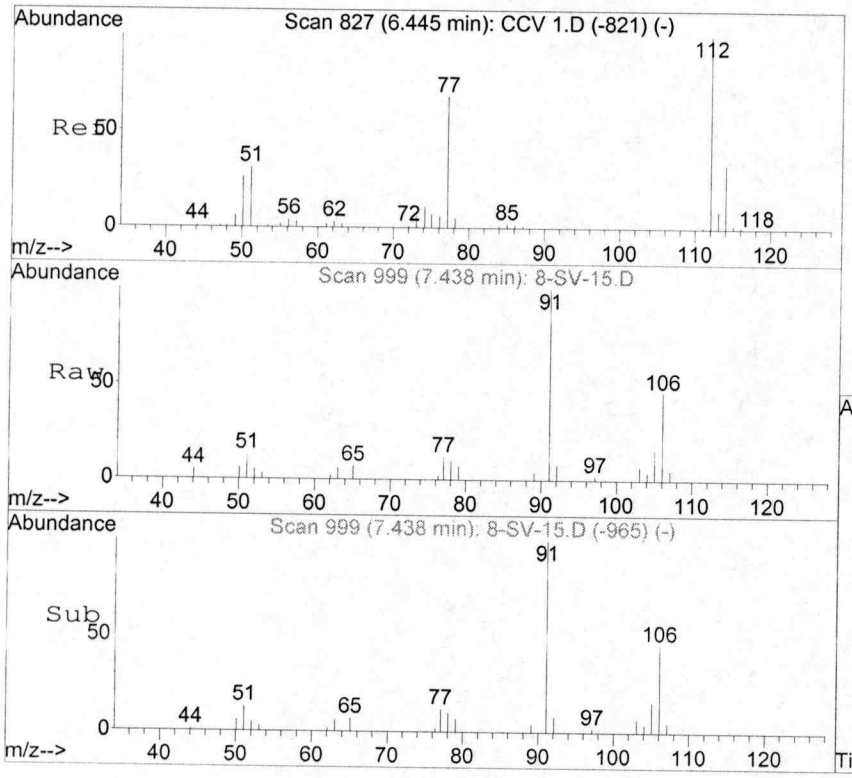


#50
m,p-Xylene*
Concen: 70.68 ng
RT: 7.12 min Scan# 945
Delta R.T. 0.00 min
Lab File: 8-SV-15.D
Acq: 14 Nov 2013 2:25 pm

Tgt Ion:106 Resp: 86580

Ion	Ratio	Lower	Upper
106	100		
91	199.3	163.0	223.0

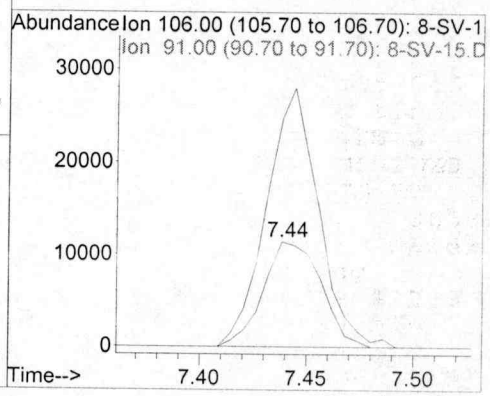


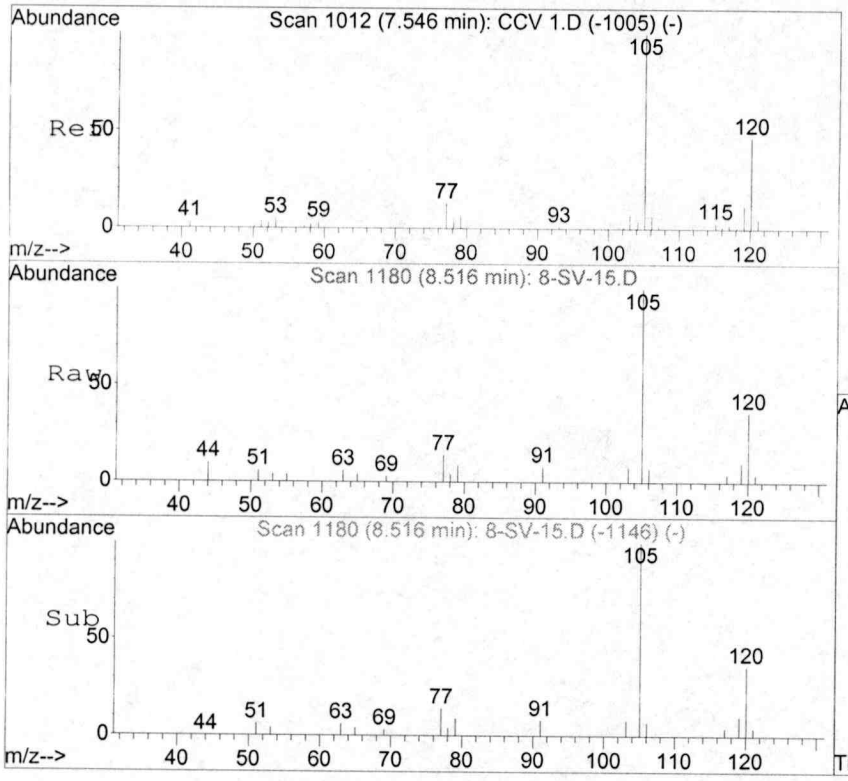


#51
o-Xylene*
Concen: 19.94 ng
RT: 7.44 min Scan# 999
Delta R.T. 0.00 min
Lab File: 8-SV-15.D
Acq: 14 Nov 2013 2:25 pm

Tgt Ion:106 Resp: 21433

Ion	Ratio	Lower	Upper
106	100		
91	216.6	180.2	240.2

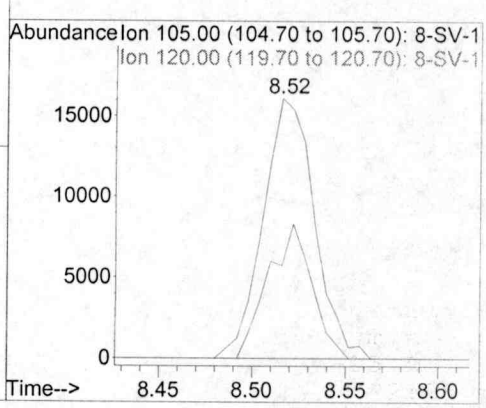


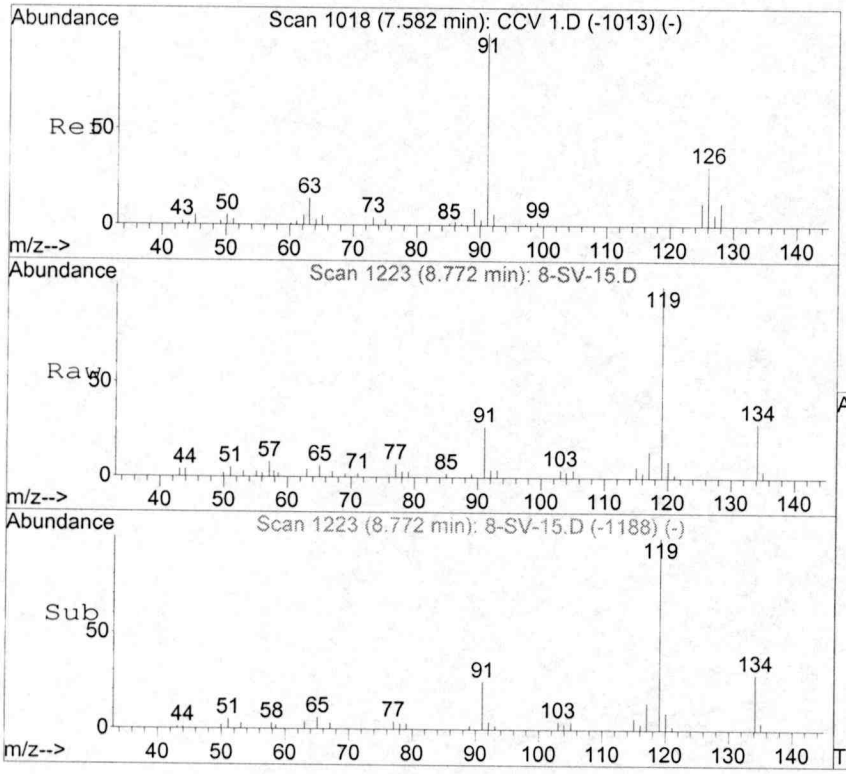


#65
1,2,4-Trimethylbenzene
Concen: 13.90 ng
RT: 8.52 min Scan# 1180
Delta R.T. 0.00 min
Lab File: 8-SV-15.D
Acq: 14 Nov 2013 2:25 pm

Tgt Ion:105 Resp: 30667

Ion	Ratio	Lower	Upper
105	100		
120	35.6	21.3	81.3

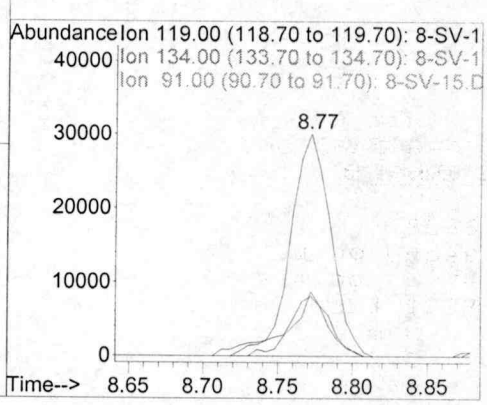




#67
p-Isopropyltoluene
Concen: 21.74 ng
RT: 8.77 min Scan# 1223
Delta R.T. 0.01 min
Lab File: 8-SV-15.D
Acq: 14 Nov 2013 2:25 pm

Tgt Ion:119 Resp: 57544

Ion	Ratio	Lower	Upper
119	100		
134	29.0	0.0	58.2
91	26.9	0.0	52.0



Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 6-SV-15.D
Acq On : 14 Nov 2013 3:19 pm
Operator : CS
Sample : E311047-09
Misc : 0.01
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 27 14:53:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

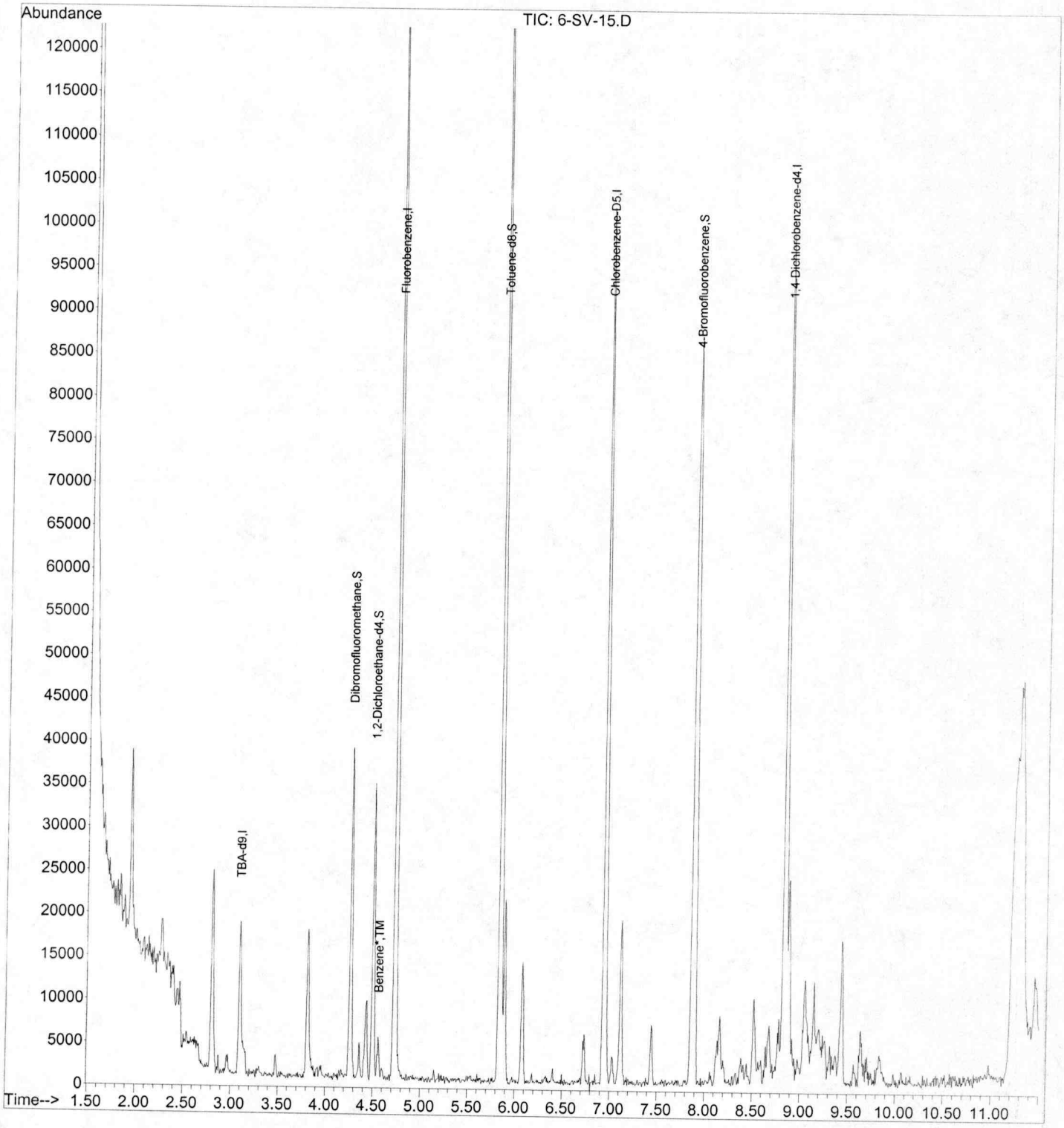
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	112743	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	36008	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	32771	50.00 ng	0.00
77) TBA-d9	3.09	65	15271	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.27	113	20725	48.50 ng	0.01
Spiked Amount 50.000	Range 75 - 125		Recovery = 97.00%		
27) 1,2-Dichloroethane-d4	4.50	65	21309	53.21 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 106.42%		
37) Toluene-d8	5.84	98	91155	46.65 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 93.30%		
55) 4-Bromofluorobenzene	7.87	174	22578	48.88 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 97.76%		
Target Compounds					Qvalue
30) Benzene*	4.56	78	4706	2.09 ng	# 74

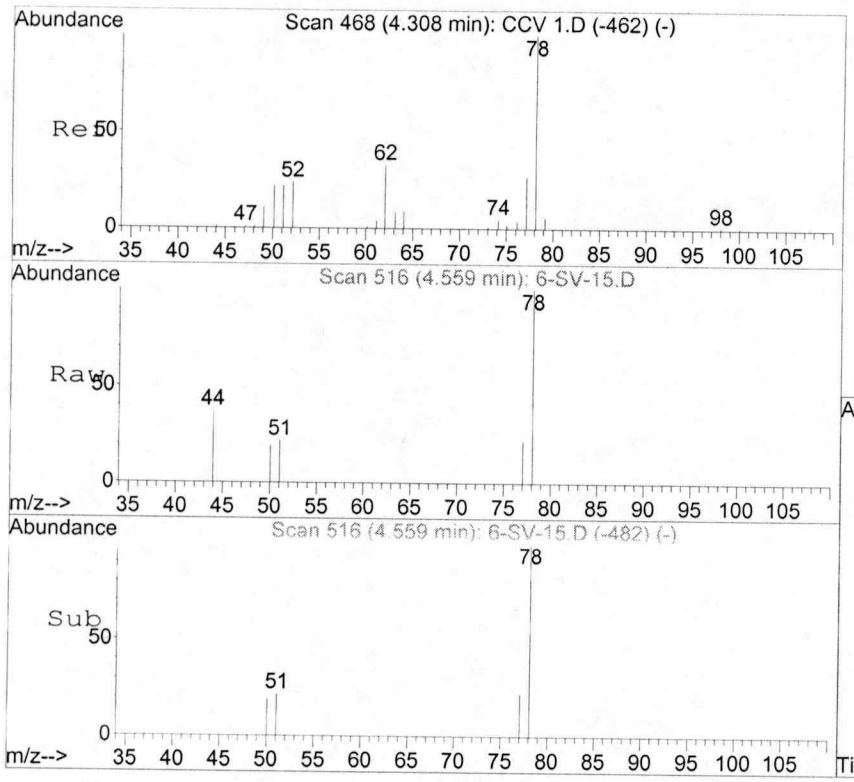
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 6-SV-15.D
Acq On : 14 Nov 2013 3:19 pm
Operator : CS
Sample : E311047-09
Misc : 0.01
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 27 14:53:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

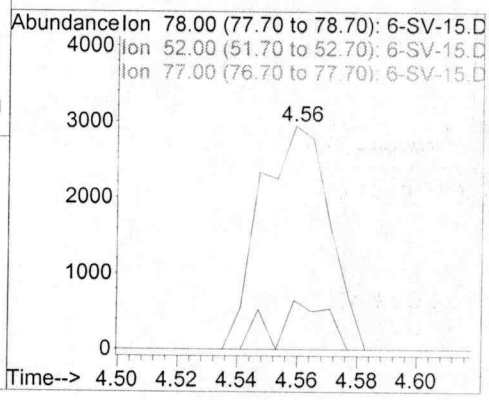




#30
Benzene*
Concen: 2.09 ng
RT: 4.56 min Scan# 516
Delta R.T. 0.00 min
Lab File: 6-SV-15.D
Acq: 14 Nov 2013 3:19 pm

Tgt Ion: 78 Resp: 4706

Ion	Ratio	Lower	Upper
78	100		
52	0.0	3.8	43.8#
77	22.2	4.0	44.0



Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 6-SV-15 Rep.D
Acq On : 14 Nov 2013 3:37 pm
Operator : CS
Sample : E311047-10
Misc : 0.01
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 27 15:18:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	139659	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	49678	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	42916	50.00 ng	0.00
77) TBA-d9	3.10	65	15316	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	25133	47.48 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 94.96%		
27) 1,2-Dichloroethane-d4	4.50	65	24136	48.66 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 97.32%		
37) Toluene-d8	5.84	98	122023	50.41 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.82%		
55) 4-Bromofluorobenzene	7.87	174	28602	47.29 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 94.58%		

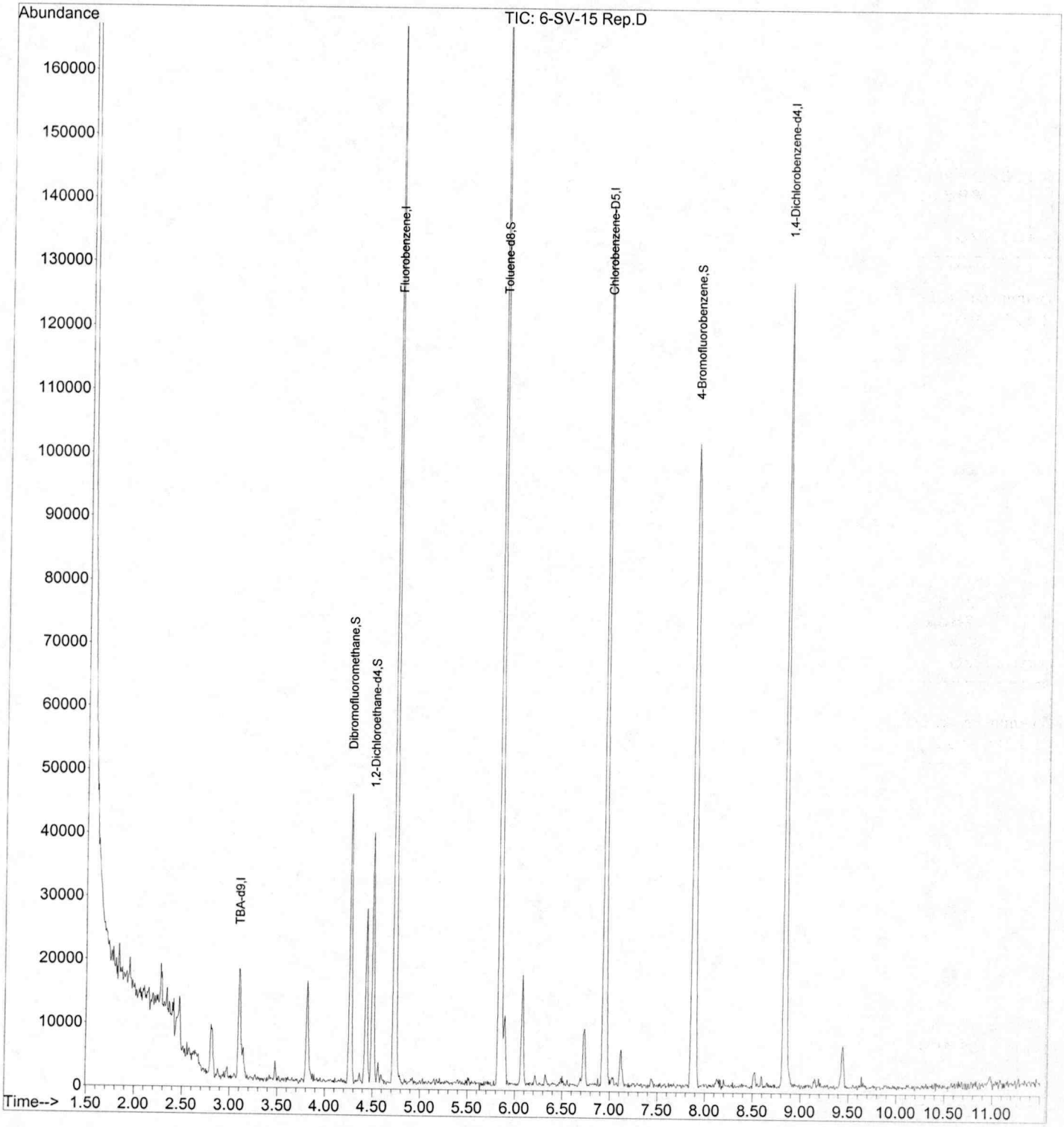
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 6-SV-15 Rep.D
Acq On : 14 Nov 2013 3:37 pm
Operator : CS
Sample : E311047-10
Misc : 0.01
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 27 15:18:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3



Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 5-SV-15 .D
Acq On : 14 Nov 2013 4:09 pm
Operator : CS
Sample : E311047-11
Misc : 0.01
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 27 15:20:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

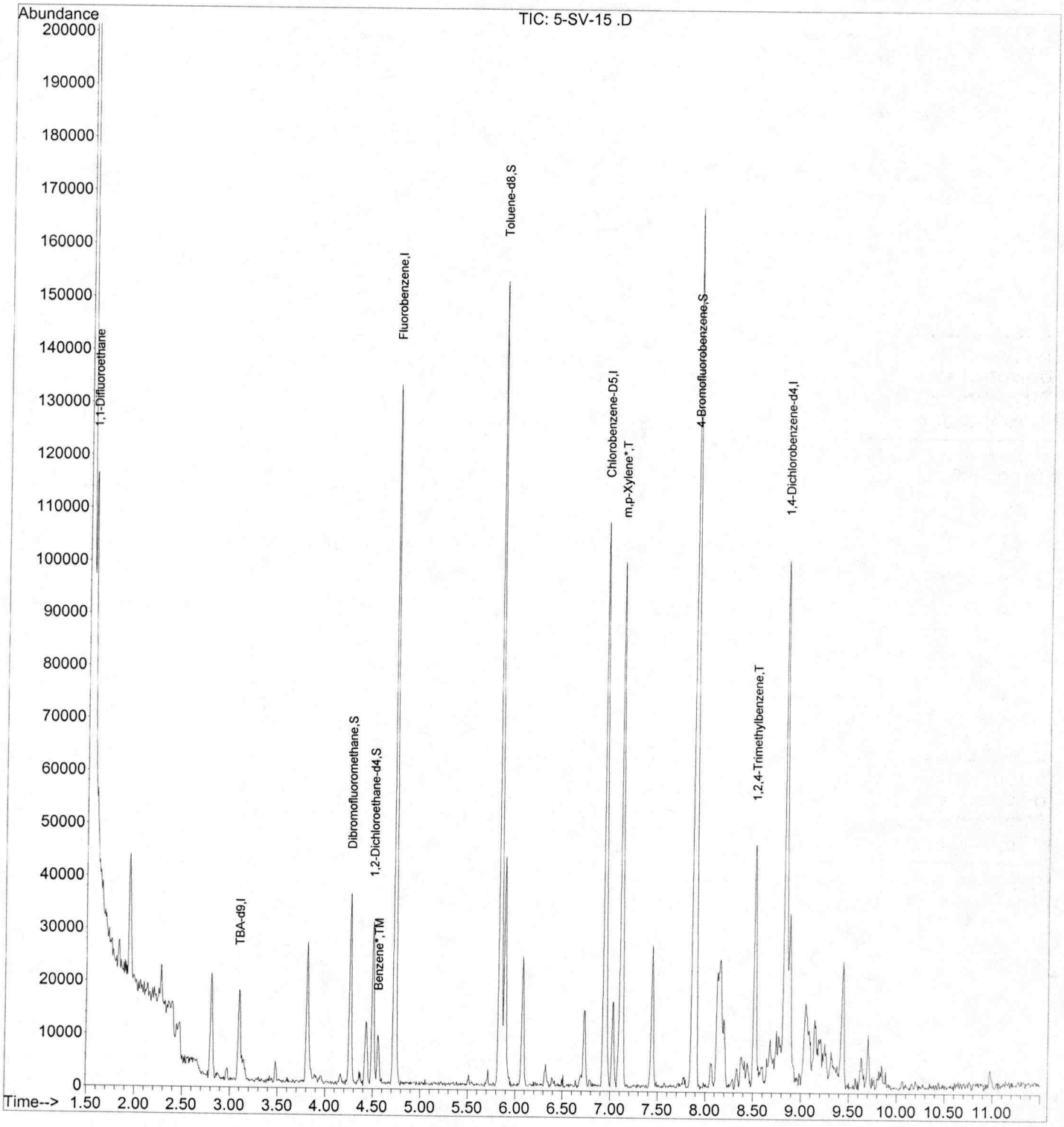
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	109436	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	37635	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	33822	50.00 ng	0.00
77) TBA-d9	3.10	65	15684	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	20682	49.87 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.74%		
27) 1,2-Dichloroethane-d4	4.50	65	20566	52.91 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 105.82%		
37) Toluene-d8	5.84	98	96321	50.78 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.56%		
55) 4-Bromofluorobenzene	7.87	174	22502	47.20 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 94.40%		
Target Compounds					Qvalue
2) 1,1-Difluoroethane	1.56	65	9604	27.07 ng	94
30) Benzene*	4.55	78	7201	3.29 ng	87
50) m,p-Xylene*	7.11	106	30329	26.94 ng	94
65) 1,2,4-Trimethylbenzene	8.51	105	34060	17.46 ng	89

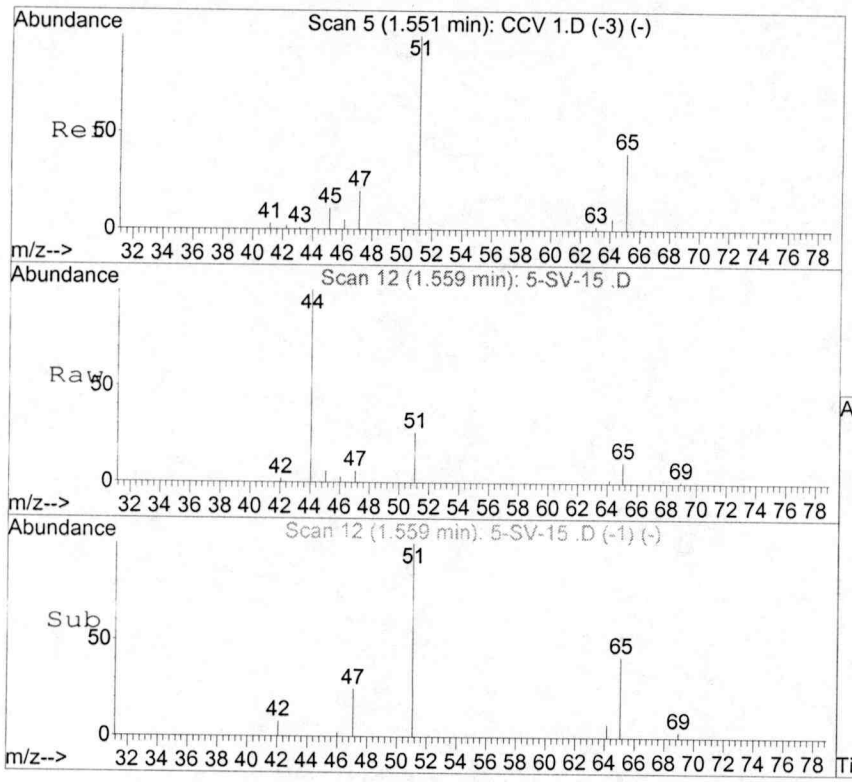
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 5-SV-15 .D
Acq On : 14 Nov 2013 4:09 pm
Operator : CS
Sample : E311047-11
Misc : 0.01
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 27 15:20:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

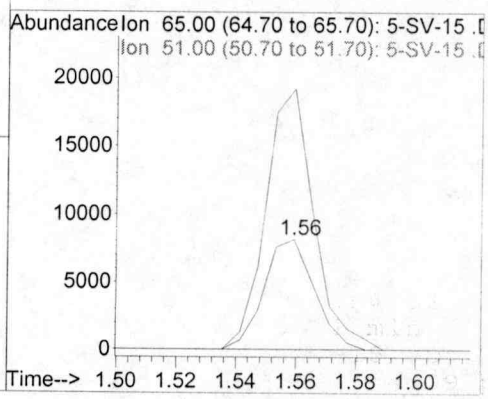


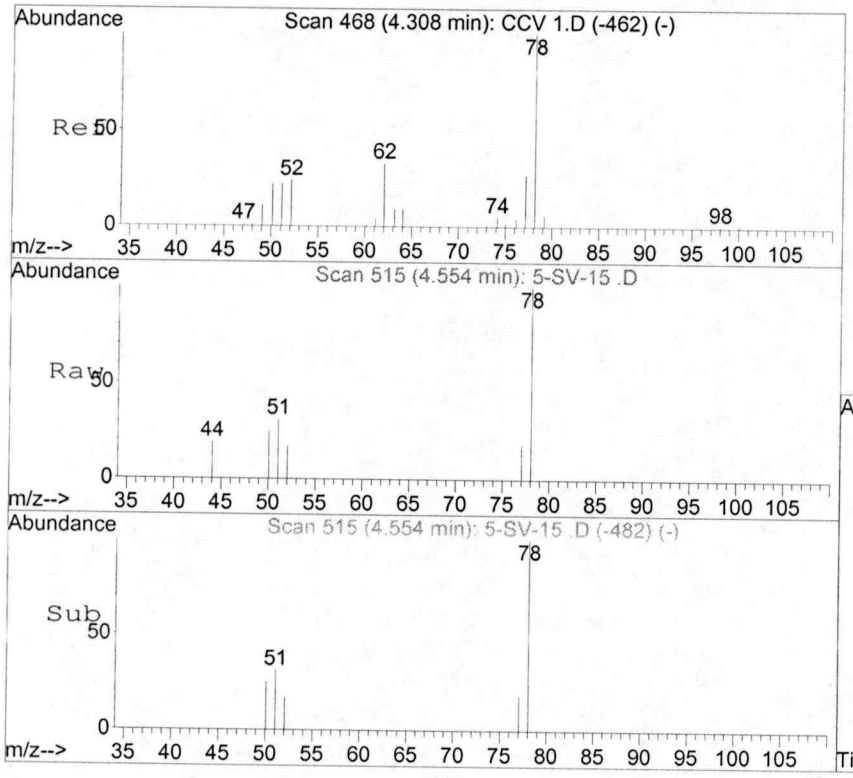


#2
1,1-Difluoroethane
Concen: 27.07 ng
RT: 1.56 min Scan# 12
Delta R.T. 0.01 min
Lab File: 5-SV-15 .D
Acq: 14 Nov 2013 4:09 pm

Tgt Ion: 65 Resp: 9604

Ion	Ratio	Lower	Upper
65	100		
51	235.6	181.2	271.8

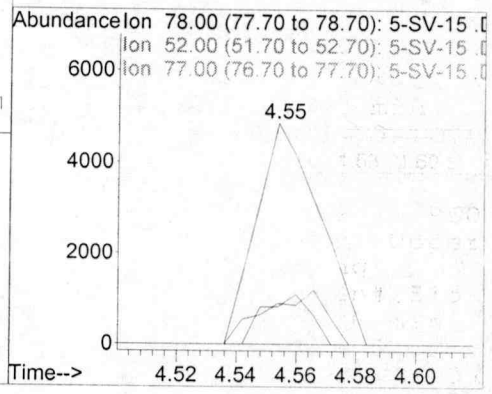


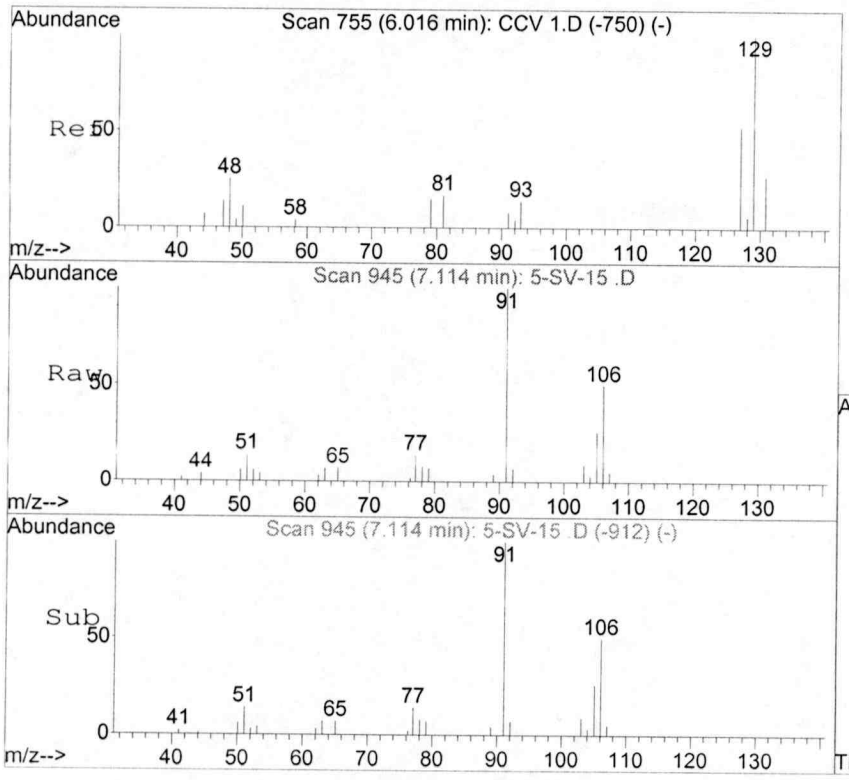


#30
Benzene*
Concen: 3.29 ng
RT: 4.55 min Scan# 515
Delta R.T. -0.00 min
Lab File: 5-SV-15 .D
Acq: 14 Nov 2013 4:09 pm

Tgt Ion: 78 Resp: 7201

Ion	Ratio	Lower	Upper
78	100		
52	16.9	3.8	43.8
77	18.5	4.0	44.0

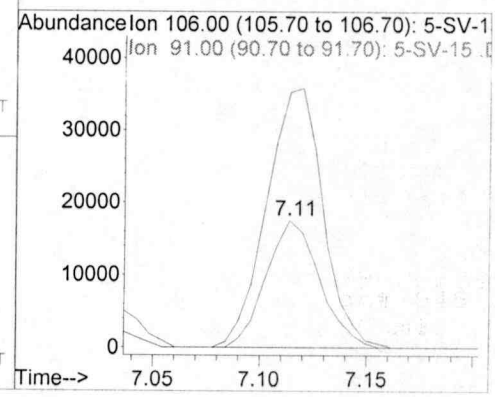


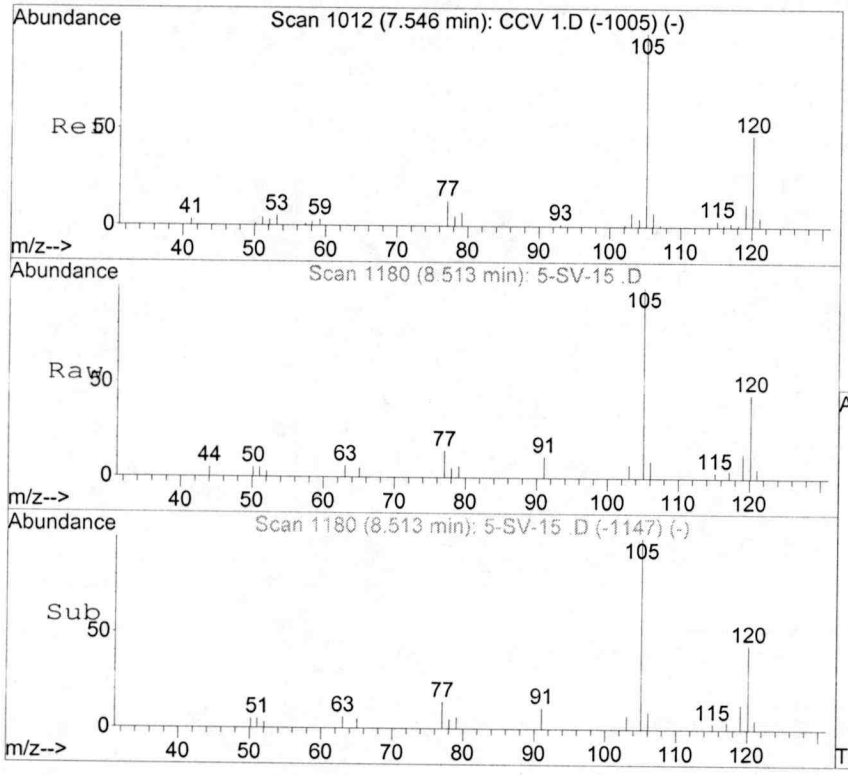


#50
m,p-Xylene*
Concen: 26.94 ng
RT: 7.11 min Scan# 945
Delta R.T. -0.00 min
Lab File: 5-SV-15 .D
Acq: 14 Nov 2013 4:09 pm

Tgt Ion:106 Resp: 30329

Ion	Ratio	Lower	Upper
106	100		
91	201.2	163.0	223.0

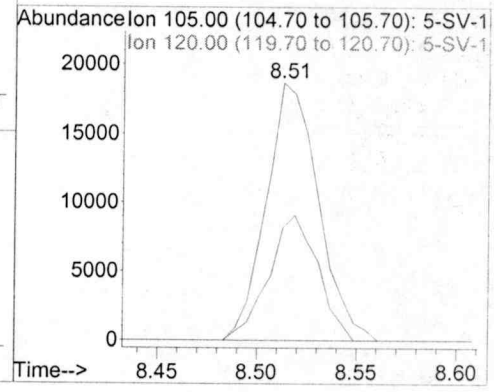




#65
1,2,4-Trimethylbenzene
Concen: 17.46 ng
RT: 8.51 min Scan# 1180
Delta R.T. -0.00 min
Lab File: 5-SV-15 .D
Acq: 14 Nov 2013 4:09 pm

Tgt Ion:105 Resp: 34060

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.3	81.3



Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 5-SV-5.D
Acq On : 14 Nov 2013 4:32 pm
Operator : CS
Sample : E311047-12
Misc : 0.01
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 27 15:23:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

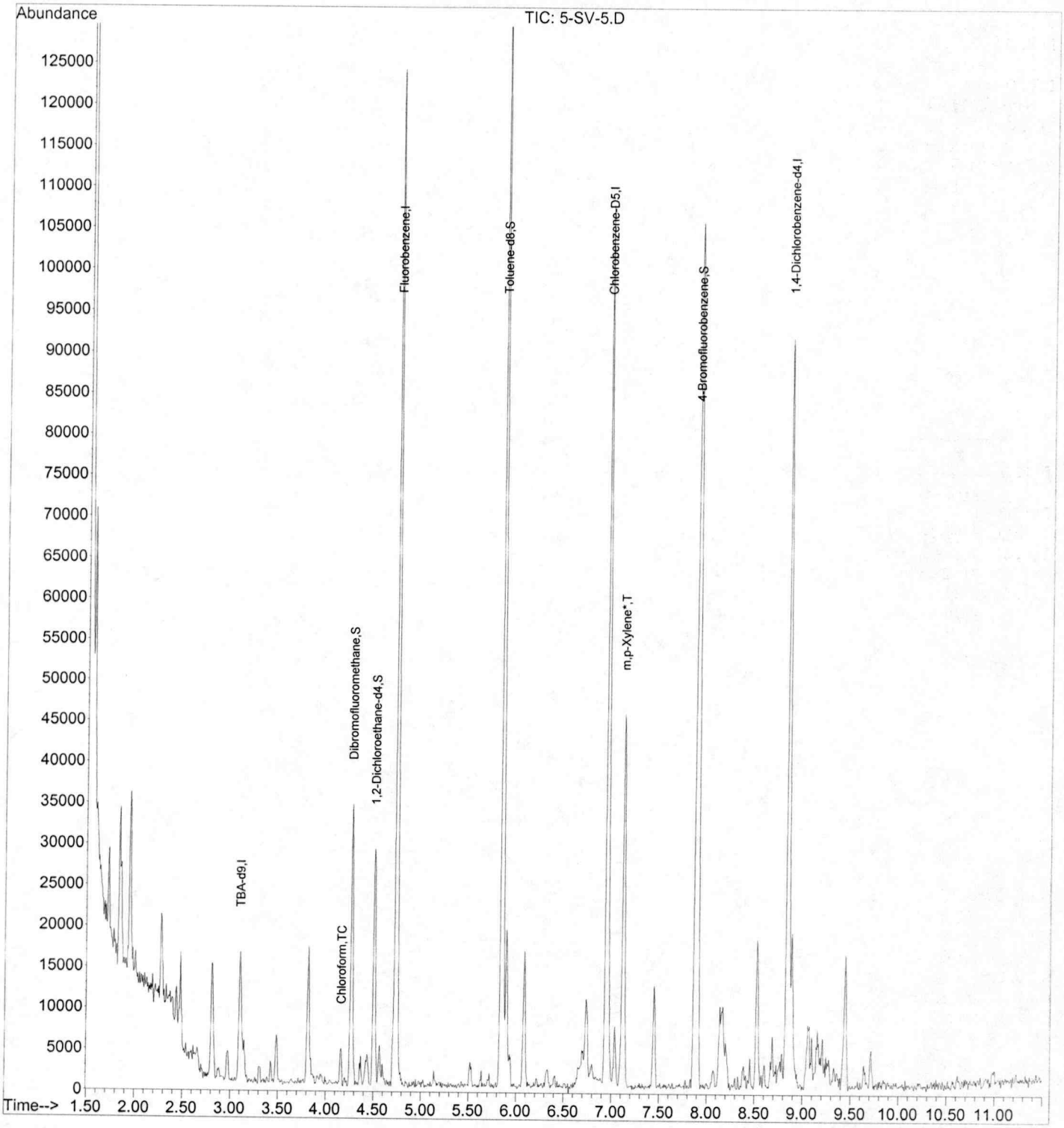
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.74	96	102507	50.00 ng	0.01
43) Chlorobenzene-D5	6.95	82	36383	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.84	152	30216	50.00 ng	0.00
77) TBA-d9	3.10	65	12682	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.27	113	18949	48.78 ng	0.01
Spiked Amount 50.000	Range 75 - 125		Recovery = 97.56%		
27) 1,2-Dichloroethane-d4	4.51	65	20640	56.69 ng	0.01
Spiked Amount 50.000	Range 62 - 139		Recovery = 113.38%		
37) Toluene-d8	5.85	98	86352	48.60 ng	0.01
Spiked Amount 50.000	Range 75 - 125		Recovery = 97.20%		
55) 4-Bromofluorobenzene	7.88	174	21361	50.16 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.32%		
Target Compounds					Qvalue
21) Chloroform	4.16	83	3186	3.80 ng	81
50) m,p-Xylene*	7.13	106	15492	14.23 ng	92

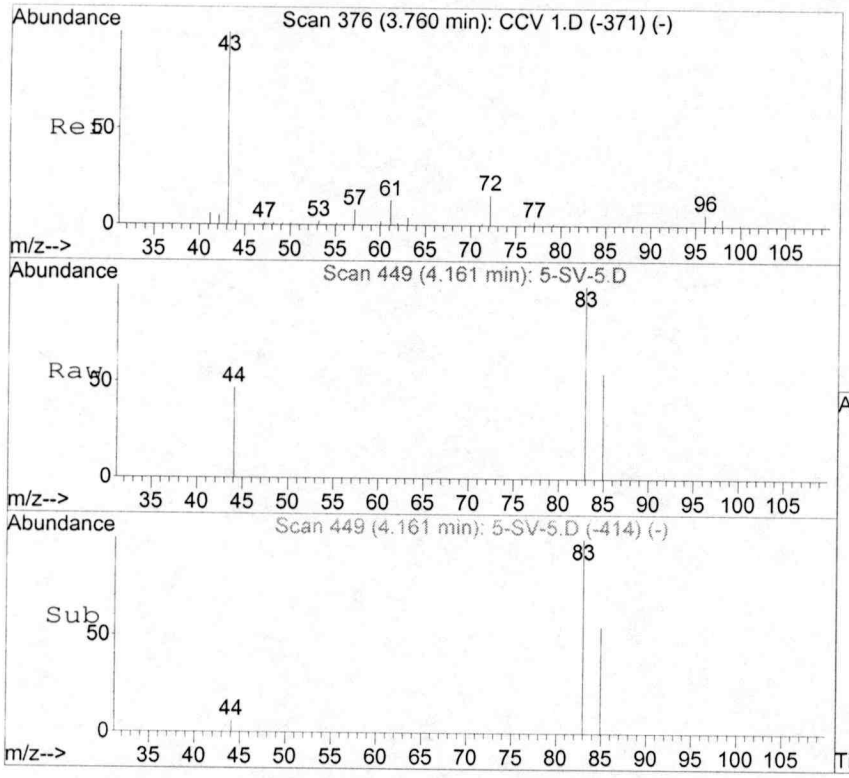
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : 5-SV-5.D
Acq On : 14 Nov 2013 4:32 pm
Operator : CS
Sample : E311047-12
Misc : 0.01
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 27 15:23:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

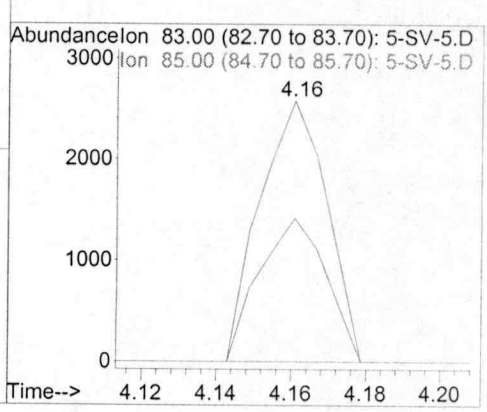


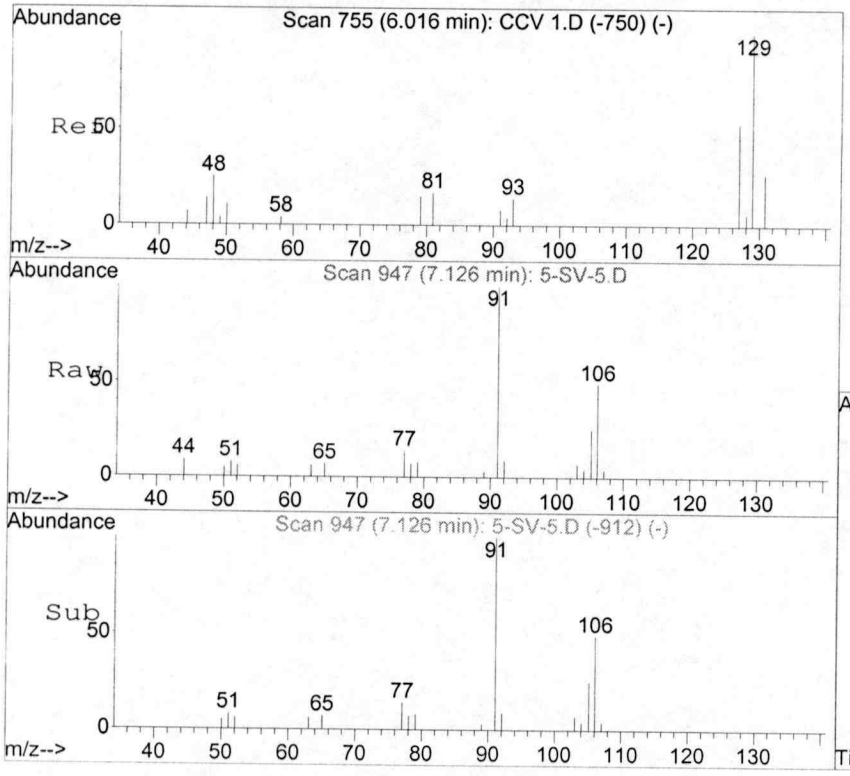


#21
Chloroform
Concen: 3.80 ng
RT: 4.16 min Scan# 449
Delta R.T. 0.01 min
Lab File: 5-SV-5.D
Acq: 14 Nov 2013 4:32 pm

Tgt Ion: 83 Resp: 3186

Ion	Ratio	Lower	Upper
83	100		
85	54.9	40.2	100.2

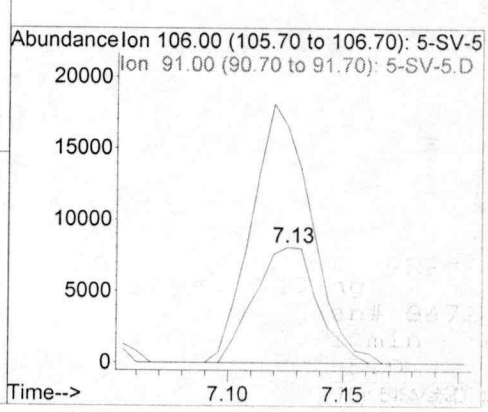




#50
m,p-Xylene*
Concen: 14.23 ng
RT: 7.13 min Scan# 947
Delta R.T. 0.01 min
Lab File: 5-SV-5.D
Acq: 14 Nov 2013 4:32 pm

Tgt Ion:106 Resp: 15492

Ion	Ratio	Lower	Upper
106	100		
91	204.4	163.0	223.0



Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : LCS.D
Acq On : 14 Nov 2013 4:51 pm
Operator : CS
Sample : EK31402-BS1
Misc : 0.05
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 14 17:05:17 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	113603	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	41890	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	43030	50.00 ng	0.00
77) TBA-d9	3.09	65	17448	1000.00 ng	-0.01
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	22315	51.83 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 103.66%		
27) 1,2-Dichloroethane-d4	4.50	65	24493	60.70 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 121.40%		
37) Toluene-d8	5.84	98	102929	52.28 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 104.56%		
55) 4-Bromofluorobenzene	7.87	174	27592	45.50 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 91.00%		
Target Compounds					Qvalue
2) 1,1-Difluoroethane	1.56	65	33317	90.48 ng	89
3) Dichlorodifluoromethane	1.59	85	73039	89.75 ng	92
4) Chloromethane	1.75	50	76948	79.40 ng	100
5) Vinyl Chloride	1.85	62	75625	101.81 ng	98
6) Bromomethane	2.13	94	42288	93.51 ng	86
7) Chloroethane	2.21	64	44452	99.68 ng	97
8) Trichlorofluoromethane	2.41	101	126228	116.79 ng	97
9) 1,1-Dichloroethene	2.79	96	66036	116.13 ng	97
10) Freon-113	2.78	101	76027	113.57 ng	89
11) acetone	2.80	43	74180	1033.45 ng	96
12) Methylene Chloride	3.11	84	49034	101.37 ng	88
13) MTBE*	3.29	73	86367	130.14 ng	92
14) trans-1,2-Dichloroethene	3.30	96	68117	111.50 ng	95
15) Diisopropyl ether*	3.60	45	158511	110.47 ng	98
16) 1,1-Dichloroethane	3.58	63	115073	107.30 ng	98
17) Ethyl-t-butyl ether*	3.84	59	133652	111.64 ng	99
18) 2,2-Dichloropropane	3.97	77	113463	125.56 ng	96
19) 2-Butanone	3.94	72	22007	1169.81 ng	96
20) cis-1,2-Dichloroethene	3.95	96	67582	113.31 ng	96
21) Chloroform	4.16	83	107362	115.48 ng	85
22) Bromochloromethane	4.12	128	22290	97.63 ng	89
23) 1,1,1-Trichloroethane	4.31	97	120958	119.21 ng	97
25) 1,1-Dichloropropene	4.41	75	91769	112.35 ng	96
26) Carbon Tetrachloride	4.42	117	108805	108.48 ng	96
28) 1,2-Dichloroethane	4.55	62	62477m	131.65 ng	
29) TAME* (2-methoxy-2-methylb	4.60	73	95350	123.93 ng	93
30) Benzene*	4.56	78	246201	108.43 ng	96
31) Trichloroethene	4.98	95	72291	110.67 ng	79
32) 1,2-Dichloropropane	5.13	63	51497	100.60 ng	99
33) Bromodichloromethane	5.31	83	66214	118.35 ng	92
34) Dibromomethane	5.22	93	21124	118.89 ng	92
35) cis-1,3-Dichloropropene	5.62	75	65629	113.08 ng	88
36) Methyl Isobutyl Ketone	5.70	43	246222	1198.27 ng	95
38) Toluene*	5.89	92	175526	105.00 ng	93
39) trans-1,3-Dichloropropene	6.01	75	53034	116.96 ng	94
40) 1,1,2-Trichloroethane	6.16	83	25365	112.59 ng	88
41) 2-Hexanone	6.31	43	163633	1223.58 ng #	98

Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : LCS.D
Acq On : 14 Nov 2013 4:51 pm
Operator : CS
Sample : EK31402-BS1
Misc : 0.05
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 14 17:05:17 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

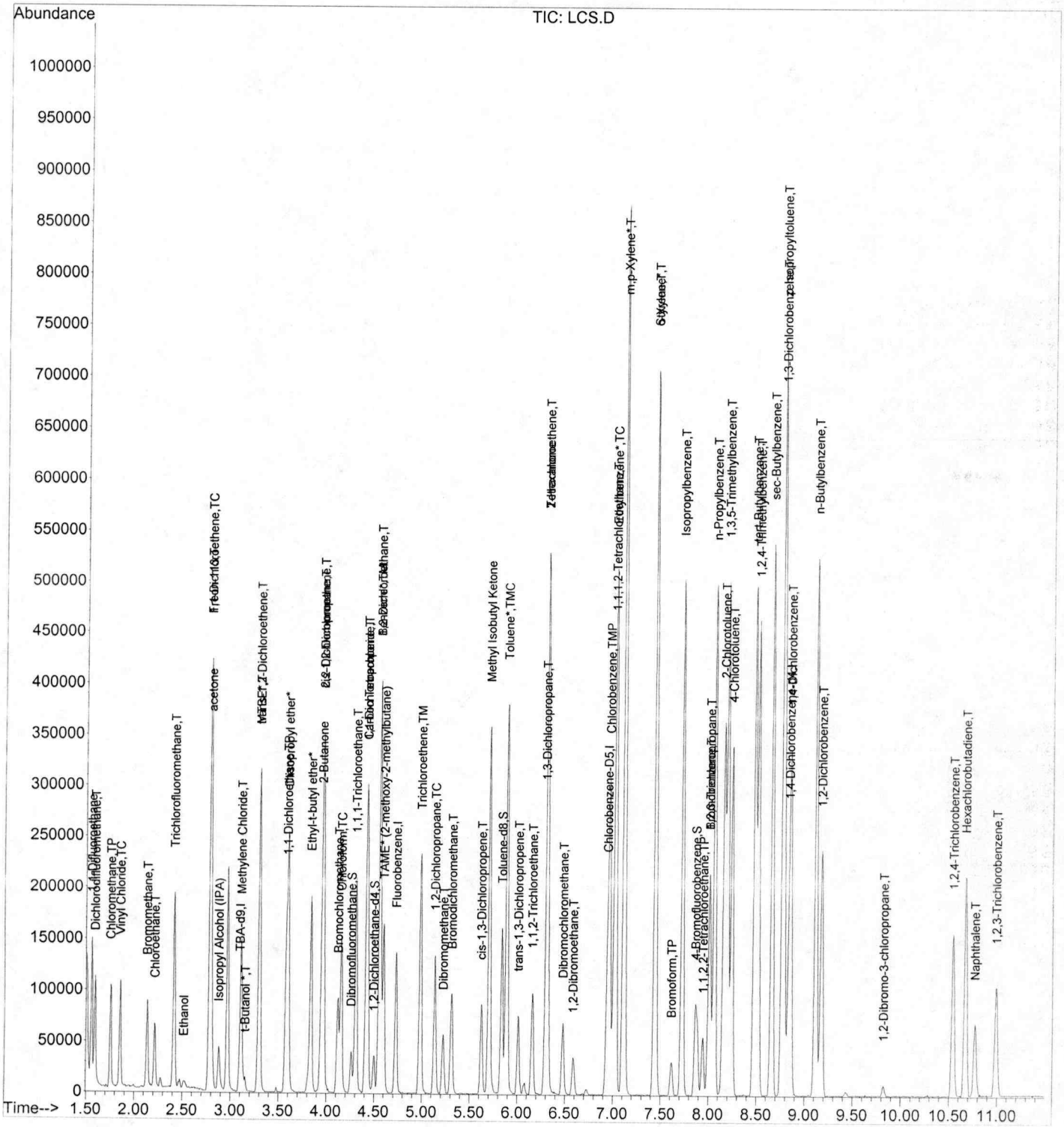
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,2-Dibromoethane	6.59	107	29139	118.29	ng		97
44) 1,3-Dichloropropane	6.29	76	54380	106.14	ng		95
45) Tetrachloroethene	6.31	164	66766	91.86	ng		94
46) Dibromochloromethane	6.48	129	41666	106.76	ng		96
47) Chlorobenzene	6.96	112	180007	100.78	ng		92
48) Ethylbenzene*	7.03	106	105379	111.94	ng		99
49) 1,1,1,2-Tetrachloroethane	7.01	131	56411	97.50	ng		98
50) m,p-Xylene*	7.12	106	272641	217.54	ng		89
51) o-Xylene*	7.44	106	119632	108.81	ng		93
52) Styrene	7.44	104	186344	117.31	ng		93
53) Bromoform	7.62	173	18918	103.05	ng		95
56) Isopropylbenzene	7.72	105	361017	126.03	ng		98
57) 1,1,2,2-Tetrachloroethane	7.94	83	33644	97.73	ng		87
58) 1,2,3-Trichloropropane	8.00	75	34021	109.87	ng		90
59) n-Propylbenzene	8.06	91	448355	118.07	ng		99
60) Bromobenzene	8.01	156	64595	93.37	ng		87
61) 1,3,5-Trimethylbenzene	8.19	105	315562	120.04	ng		93
62) 2-Chlorotoluene	8.16	91	279526	114.34	ng		92
63) 4-Chlorotoluene	8.24	91	249458	113.93	ng		99
64) tert-Butylbenzene	8.48	119	319934	113.47	ng		92
65) 1,2,4-Trimethylbenzene	8.51	105	310927	125.27	ng		92
66) sec-Butylbenzene	8.66	105	422497	116.73	ng		99
67) p-Isopropyltoluene	8.77	119	377135	126.67	ng		95
68) 1,3-Dichlorobenzene	8.78	146	164006	101.95	ng		99
69) 1,4-Dichlorobenzene	8.85	146	154675	101.36	ng		95
70) n-Butylbenzene	9.12	91	331592	124.94	ng		98
71) 1,2-Dichlorobenzene	9.18	146	133622	102.65	ng		97
72) 1,2-Dibromo-3-chloropropan	9.82	75	5613	134.28	ng		85
73) 1,2,4-Trichlorobenzene	10.54	180	67384	105.19	ng		87
74) Hexachlorobutadiene	10.67	225	49325	99.28	ng		89
75) Naphthalene	10.77	128	81221	91.65	ng		97
76) 1,2,3-Trichlorobenzene	10.99	180	49345	105.60	ng		88
78) Ethanol	2.52	45	8541	3364.73	ng	#	100
79) Isopropyl Alcohol (IPA)	2.88	45	49204	3305.98	ng	#	100
80) t-Butanol *	3.15	59	9842	349.29	ng		91

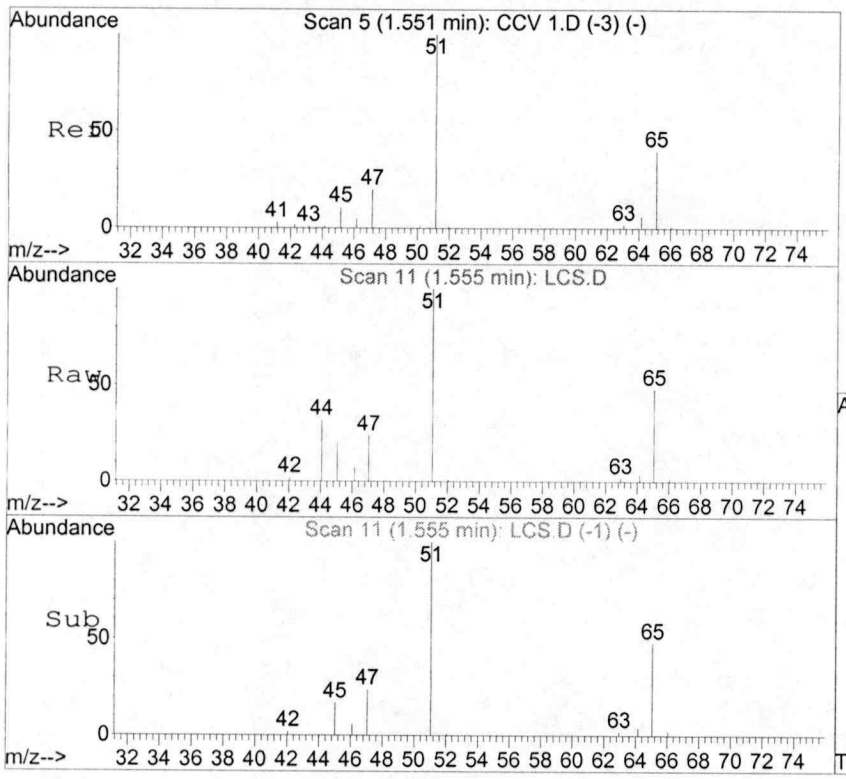
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111413\
Data File : LCS.D
Acq On : 14 Nov 2013 4:51 pm
Operator : CS
Sample : EK31402-BS1
Misc : 0.05
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 14 17:05:17 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

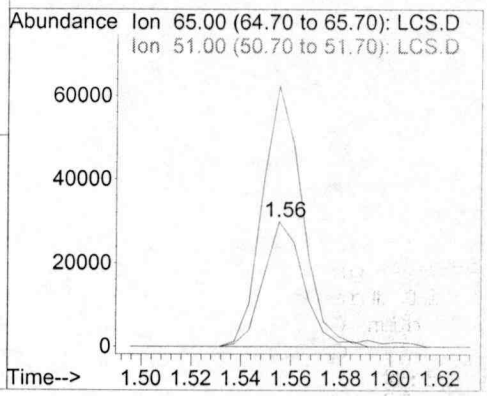


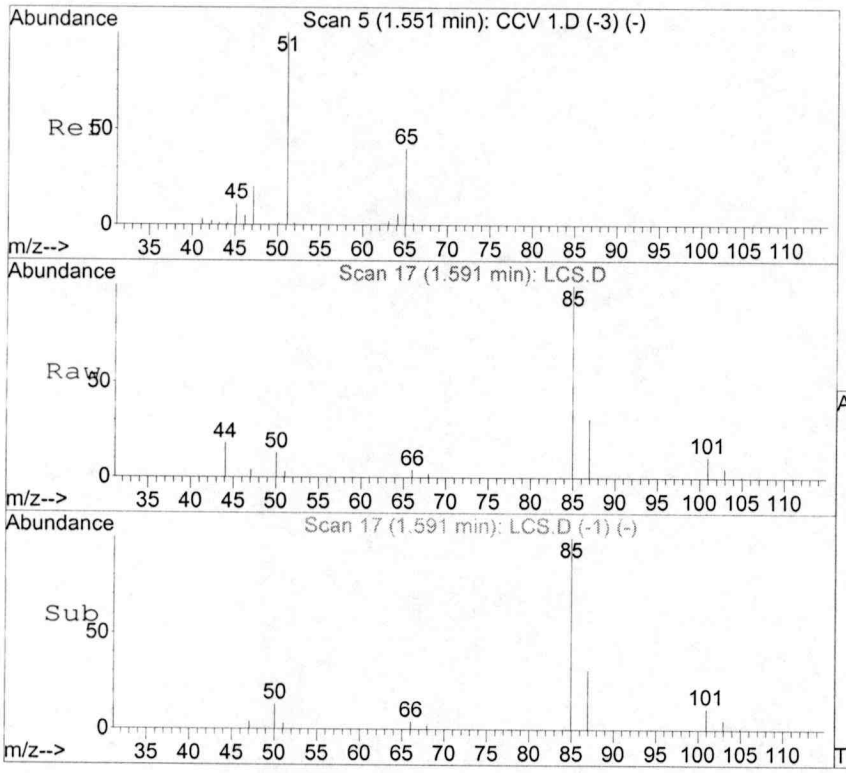


#2
1,1-Difluoroethane
Concen: 90.48 ng
RT: 1.56 min Scan# 11
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 65 Resp: 33317

Ion	Ratio	Lower	Upper
65	100		
51	208.7	181.2	271.8

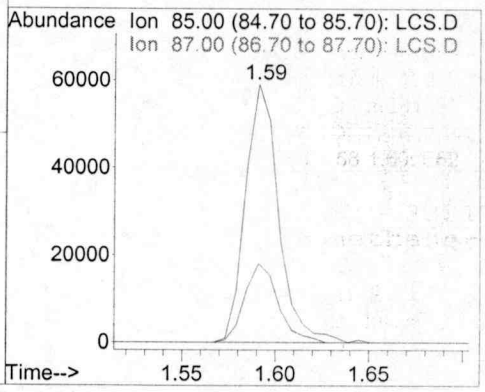


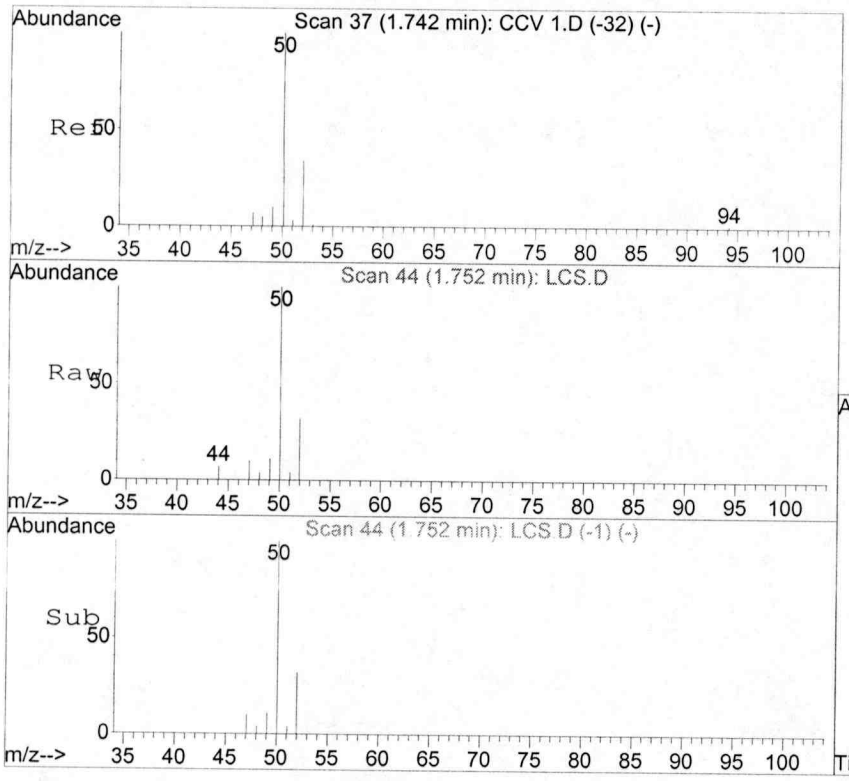


#3
Dichlorodifluoromethane
Concen: 89.75 ng
RT: 1.59 min Scan# 17
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 85 Resp: 73039

Ion	Ratio	Lower	Upper
85	100		
87	30.5	5.1	65.1

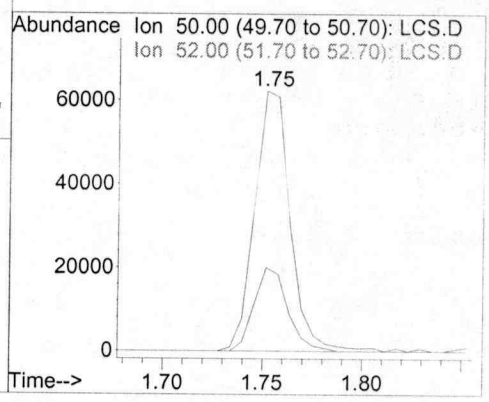


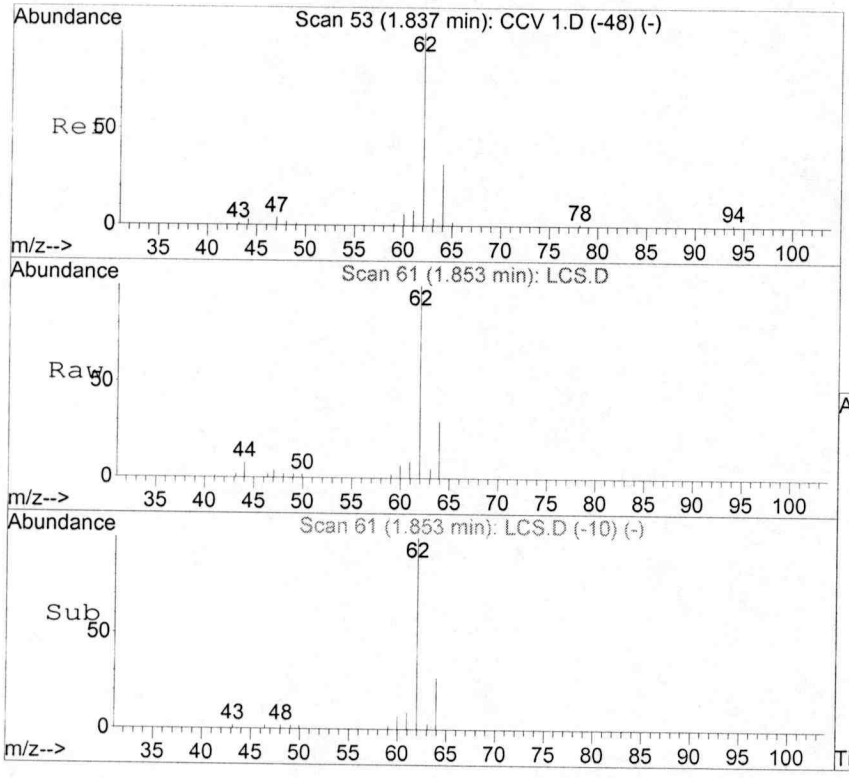


#4
Chloromethane
Concen: 79.40 ng
RT: 1.75 min Scan# 44
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 50 Resp: 76948

Ion	Ratio	Lower	Upper
50	100		
52	32.0	2.3	62.3

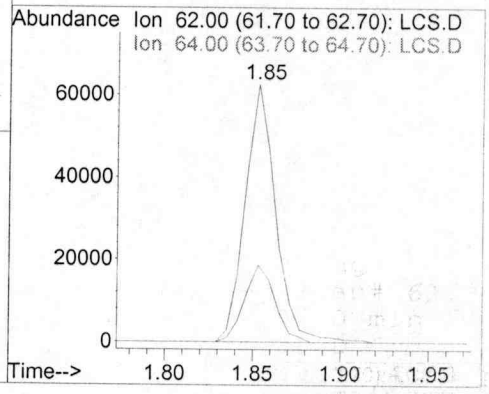


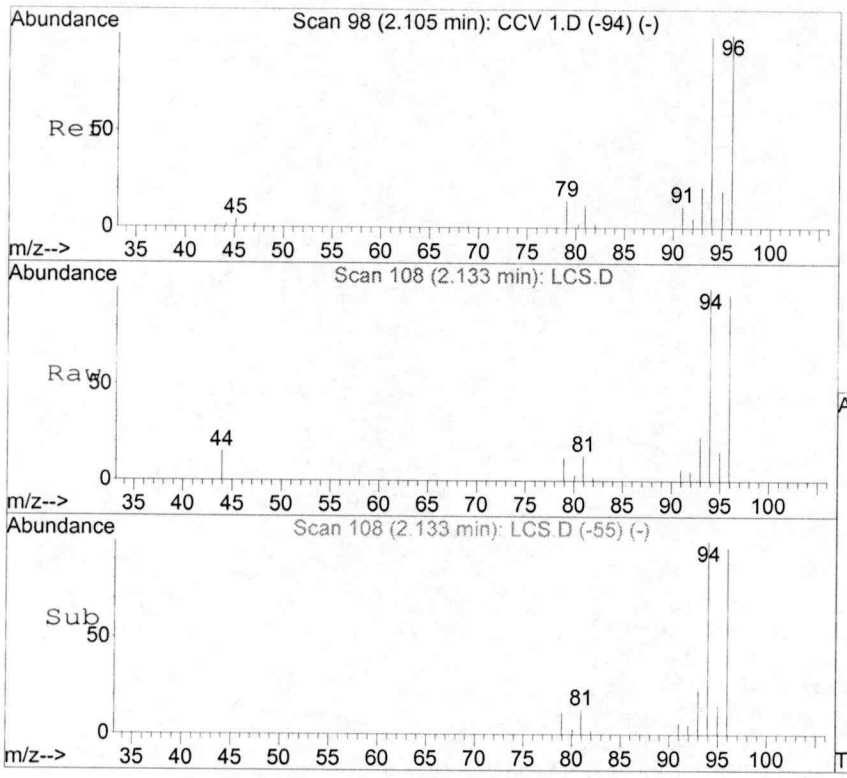


#5
Vinyl Chloride
Concen: 101.81 ng
RT: 1.85 min Scan# 61
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 62 Resp: 75625

Ion	Ratio	Lower	Upper
62	100		
64	29.7	0.0	58.4

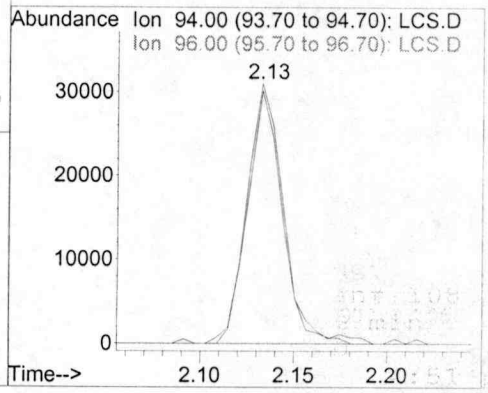


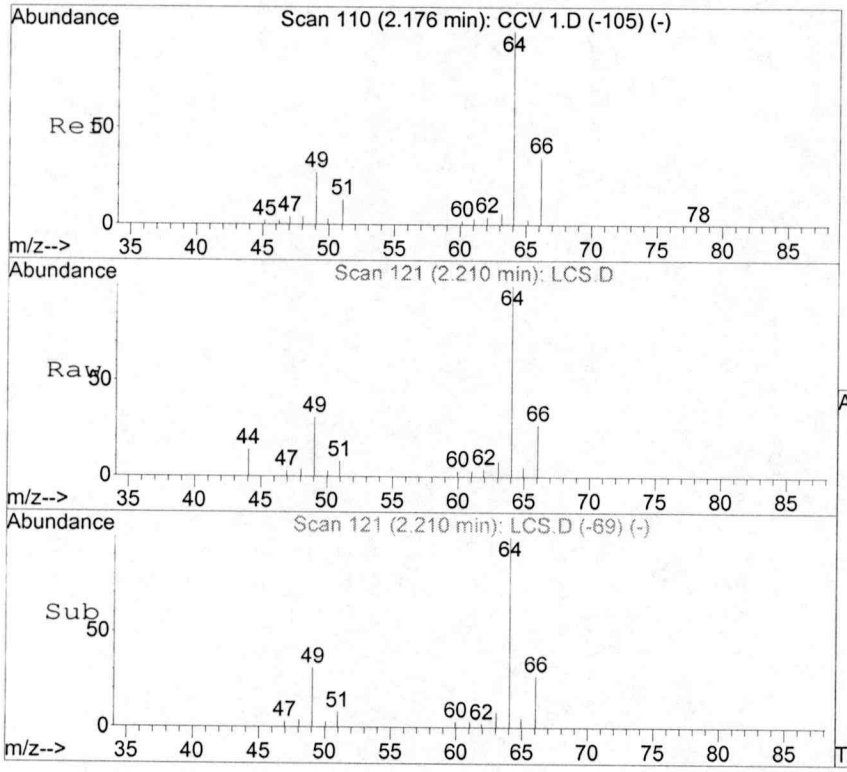


#6
Bromomethane
Concen: 93.51 ng
RT: 2.13 min Scan# 108
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 94 Resp: 42288

Ion	Ratio	Lower	Upper
94	100		
96	97.4	54.5	114.5

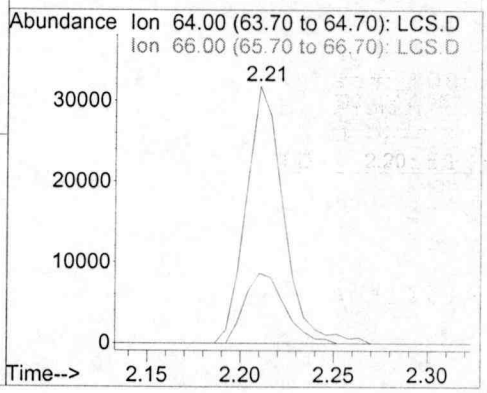


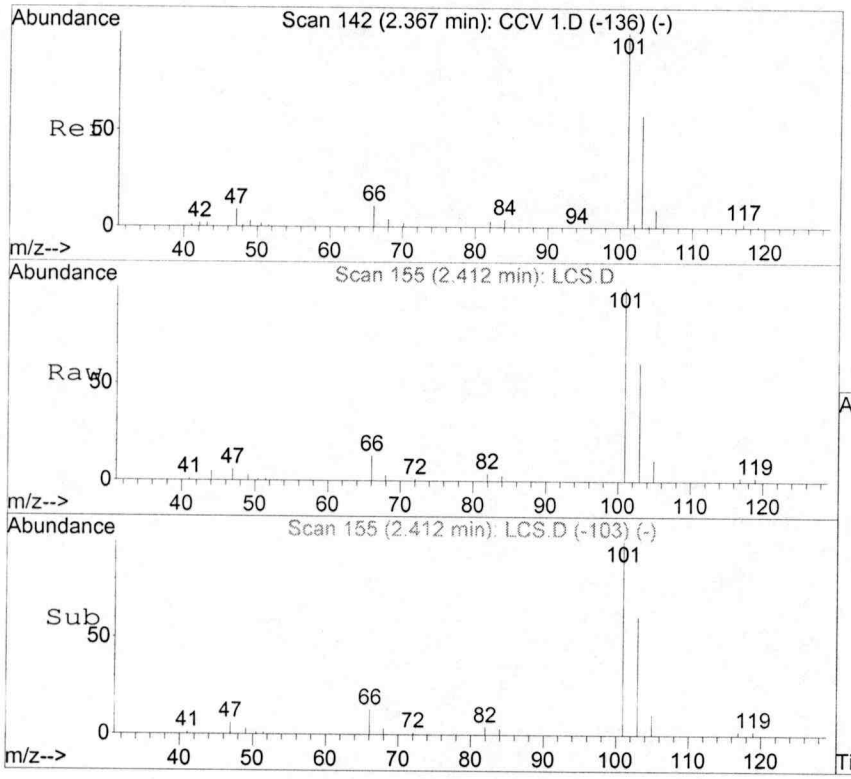


#7
Chloroethane
Concen: 99.68 ng
RT: 2.21 min Scan# 121
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 64 Resp: 44452

Ion	Ratio	Lower	Upper
64	100		
66	27.1	0.0	58.7

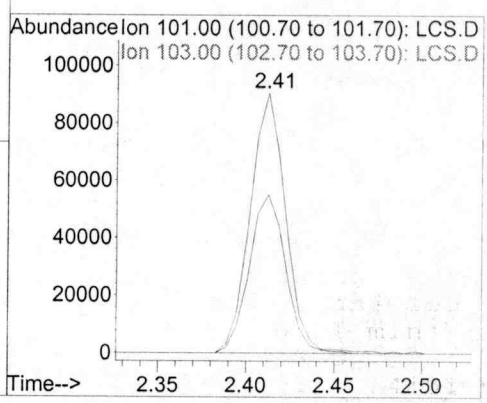


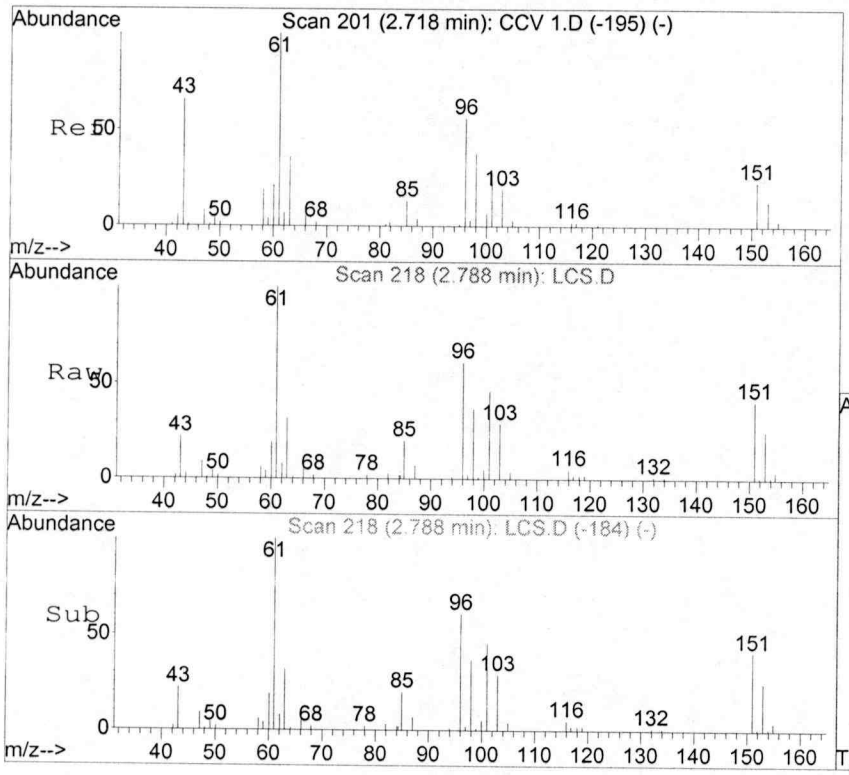


#8
Trichlorofluoromethane
Concen: 116.79 ng
RT: 2.41 min Scan# 155
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:101 Resp: 126228

Ion	Ratio	Lower	Upper
101	100		
103	60.9	33.2	93.2

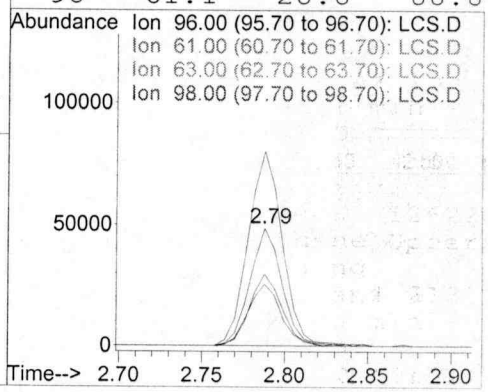


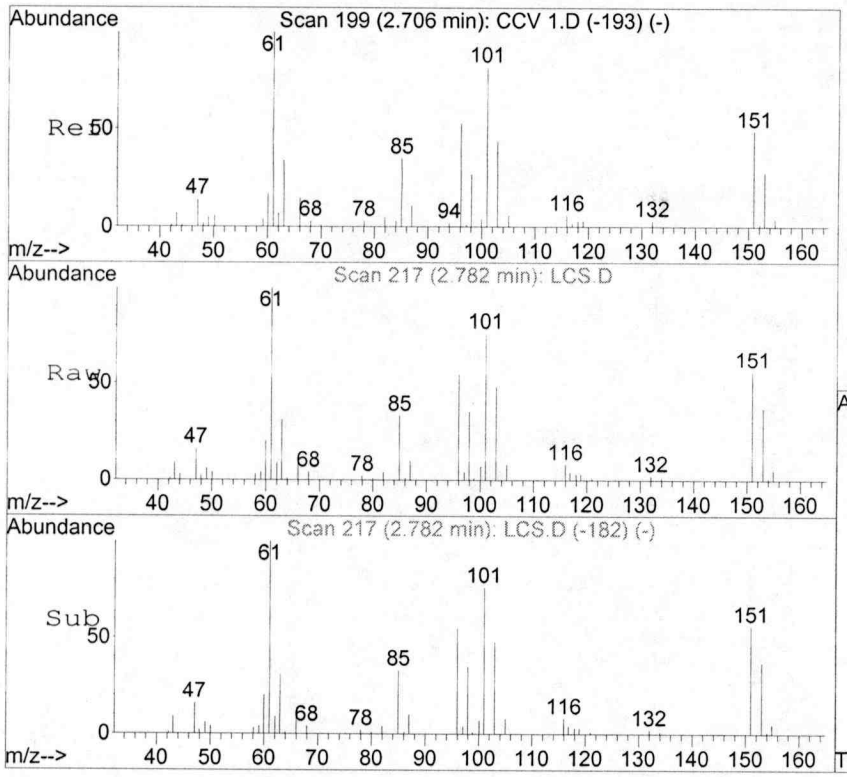


#9
1,1-Dichloroethene
Concen: 116.13 ng
RT: 2.79 min Scan# 218
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 96 Resp: 66036

Ion	Ratio	Lower	Upper
96	100		
61	165.1	139.2	199.2
63	52.6	18.9	78.9
98	61.1	28.8	88.8

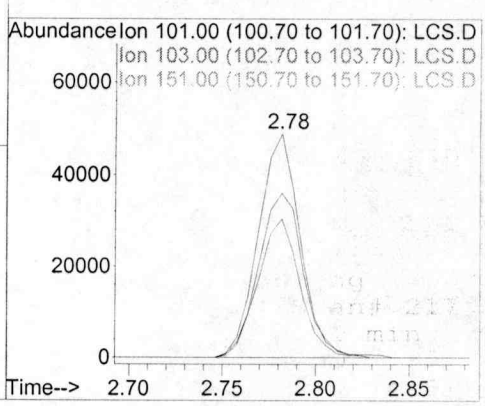


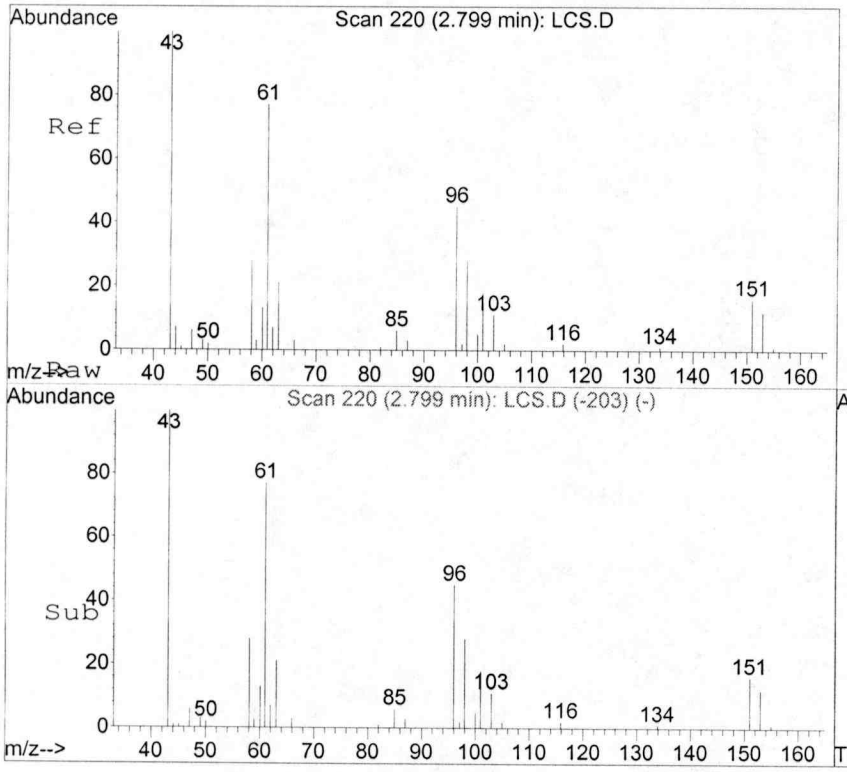


#10
Freon-113
Concen: 113.57 ng
RT: 2.78 min Scan# 217
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:101 Resp: 76027

Ion	Ratio	Lower	Upper
101	100		
103	62.2	32.5	92.5
151	73.7	60.9	120.9

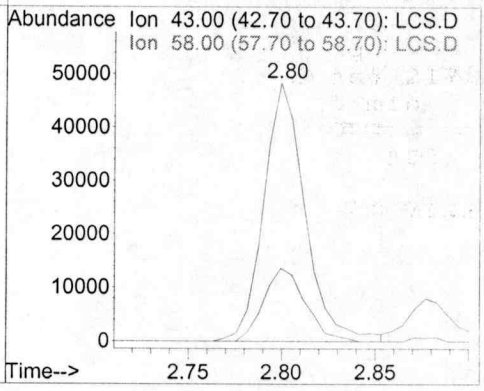


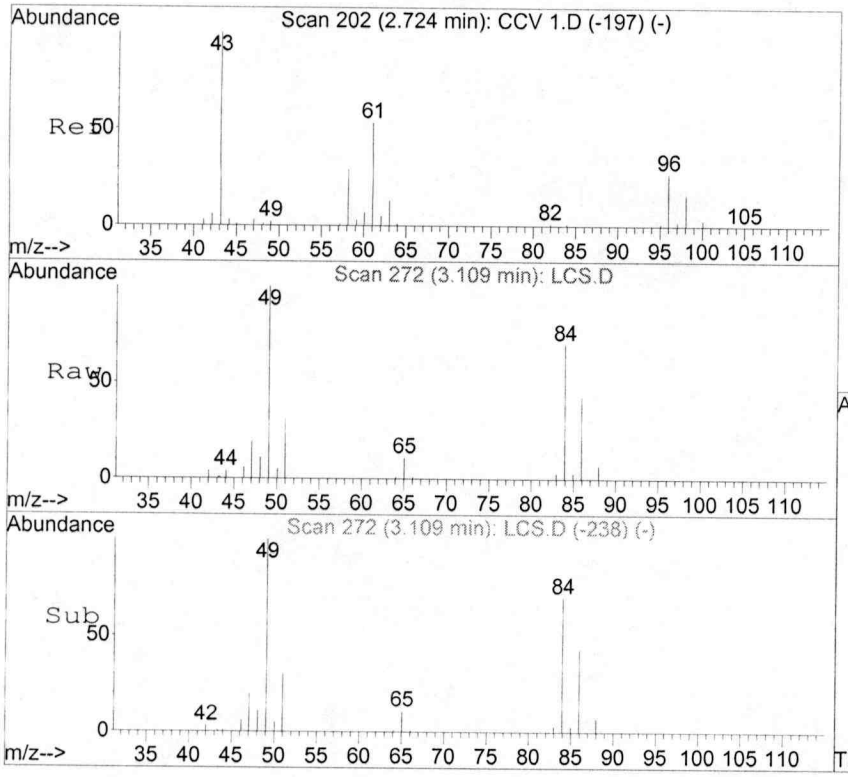


#11
acetone
Concen: 1033.45 ng
RT: 2.80 min Scan# 220
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 43 Resp: 74180

Ion	Ratio	Lower	Upper
43	100		
58	28.1	24.4	36.6

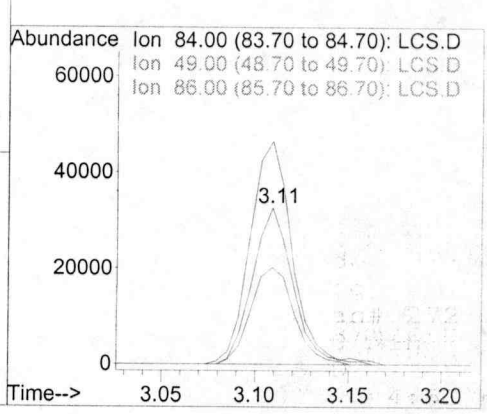


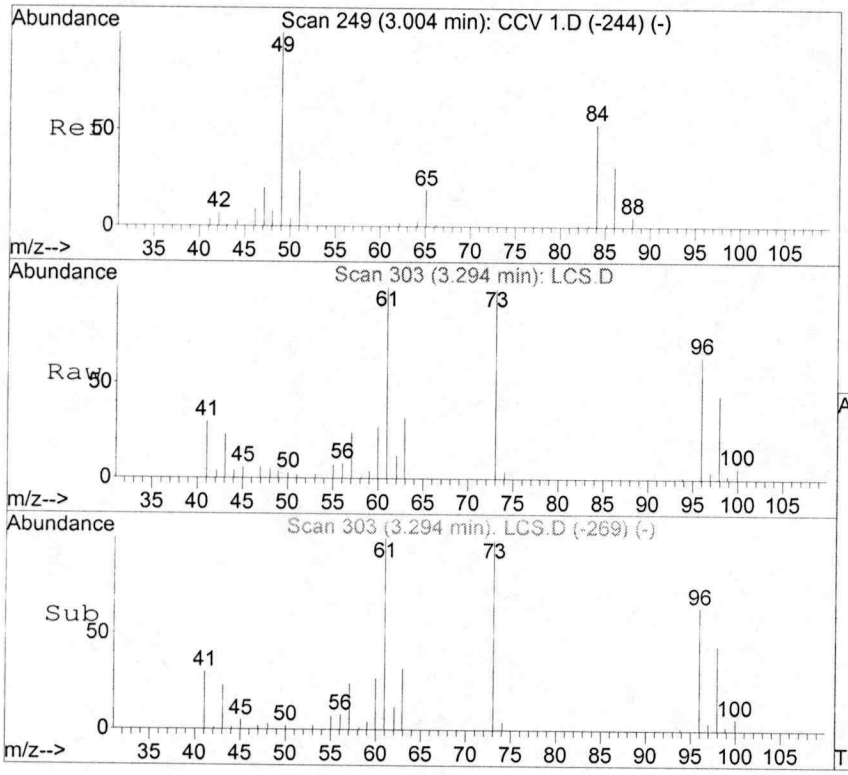


#12
Methylene Chloride
Concen: 101.37 ng
RT: 3.11 min Scan# 272
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 84 Resp: 49034

Ion	Ratio	Lower	Upper
84	100		
49	142.4	134.9	194.9
86	61.9	33.0	93.0

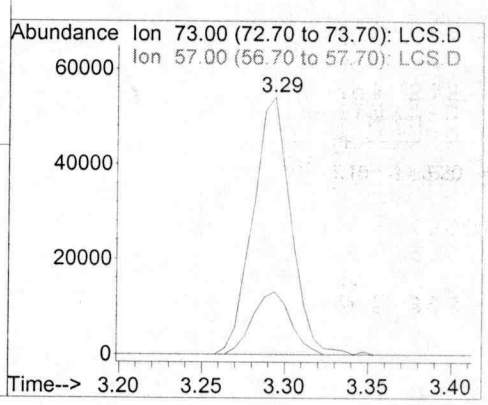


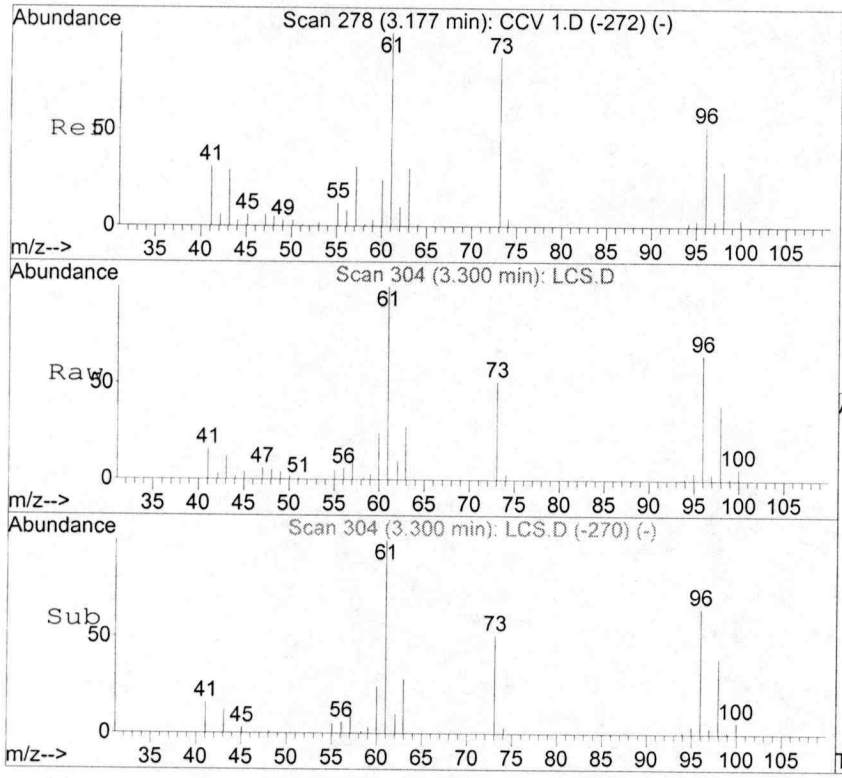


#13
MTBE*
Concen: 130.14 ng
RT: 3.29 min Scan# 303
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 73 Resp: 86367

Ion	Ratio	Lower	Upper
73	100		
57	24.3	0.0	58.3

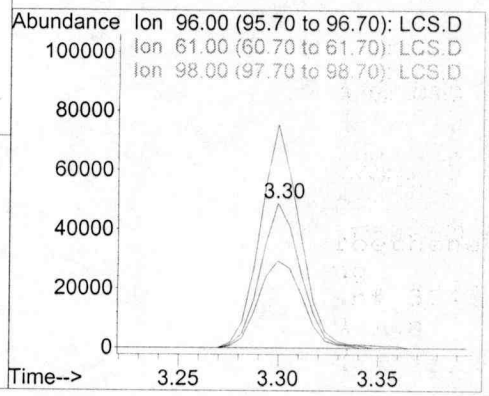


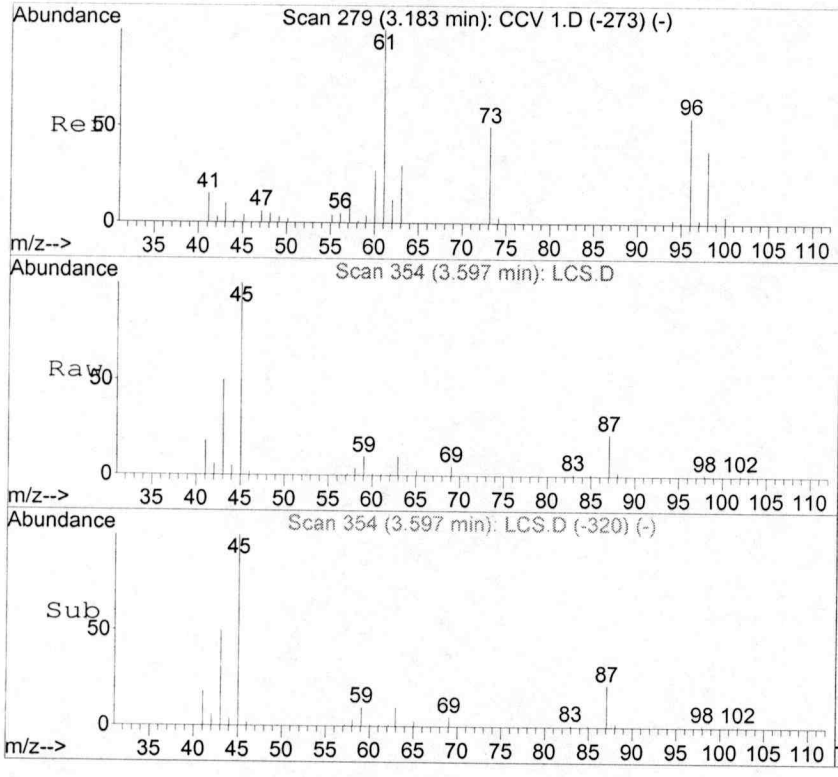


#14
trans-1,2-Dichloroethene
Concen: 111.50 ng
RT: 3.30 min Scan# 304
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 96 Resp: 68117

Ion	Ratio	Lower	Upper
96	100		
61	154.6	122.9	182.9
98	60.2	40.0	100.0

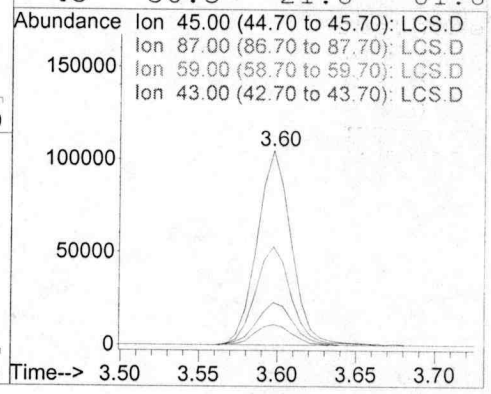


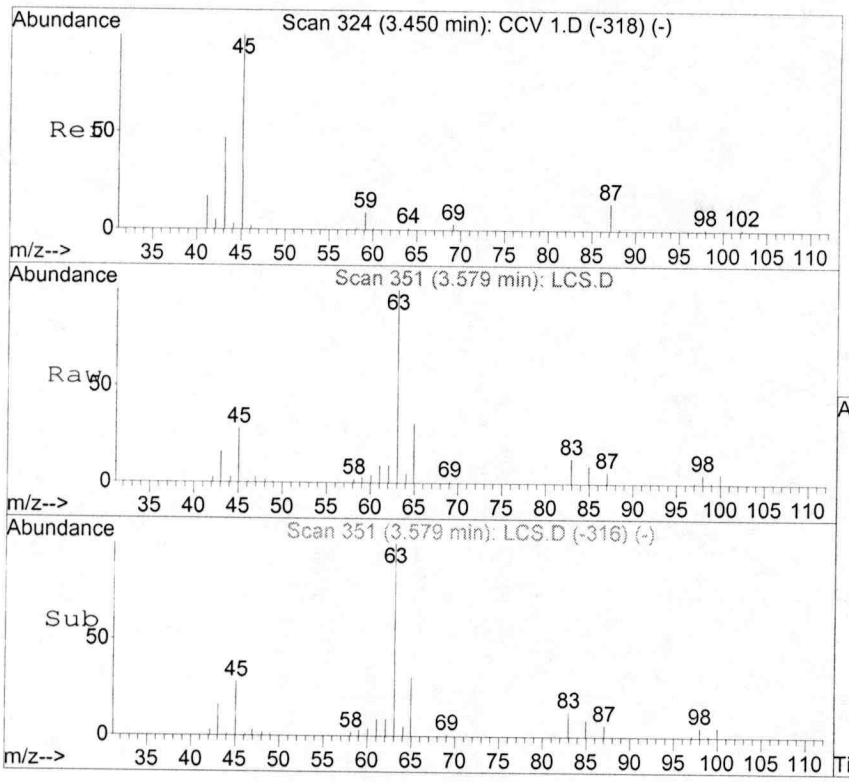


#15
Diisopropyl ether*
Concen: 110.47 ng
RT: 3.60 min Scan# 354
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 45 Resp: 158511

Ion	Ratio	Lower	Upper
45	100		
87	21.8	0.0	52.0
59	10.4	0.0	41.6
43	50.5	21.8	81.8

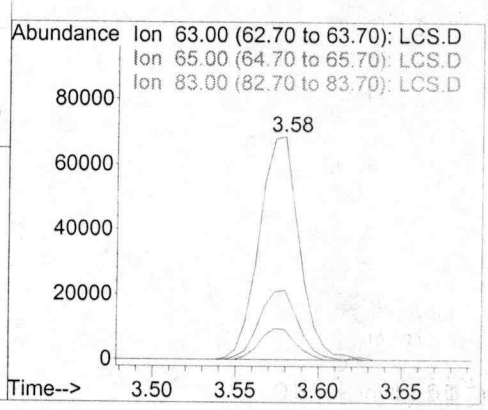


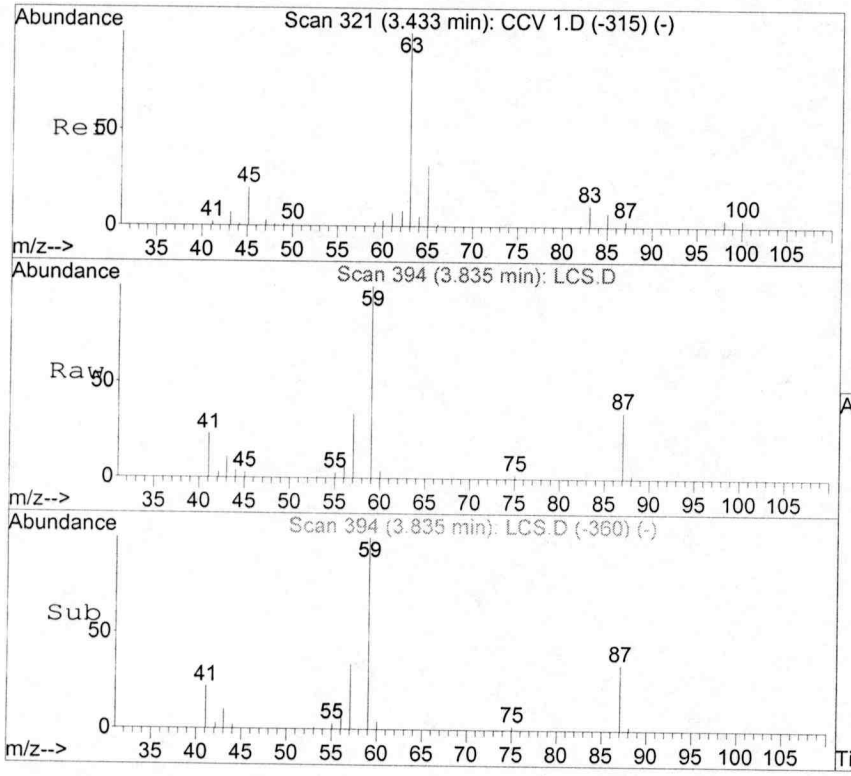


#16
1,1-Dichloroethane
Concen: 107.30 ng
RT: 3.58 min Scan# 351
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 63 Resp: 115073

Ion	Ratio	Lower	Upper
63	100		
65	31.2	0.2	60.2
83	13.5	0.0	43.2

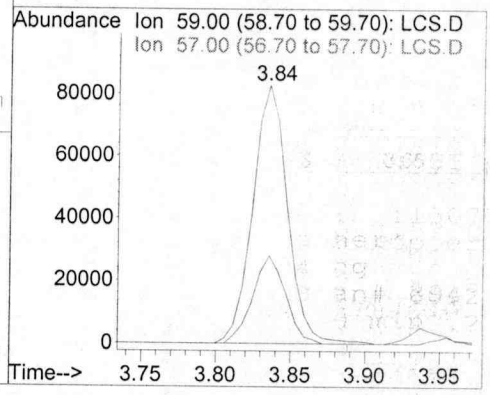


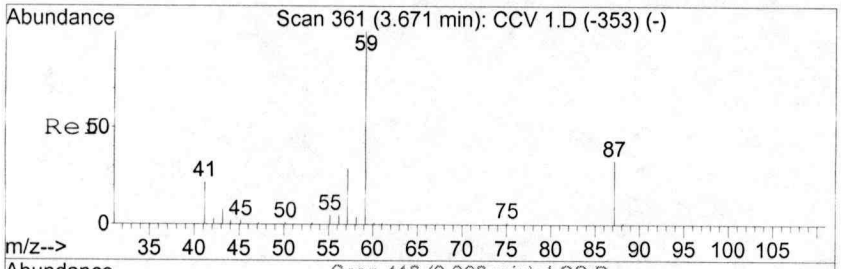


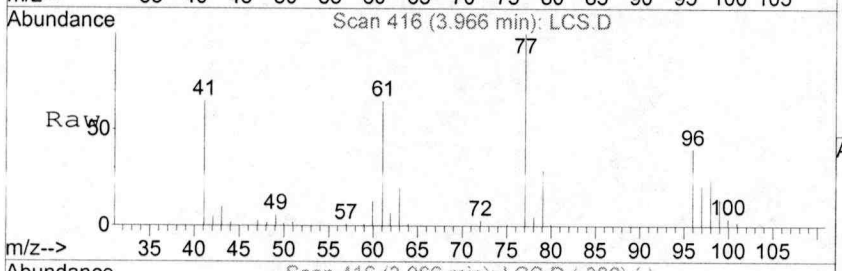
#17
Ethyl-t-butyl ether*
Concen: 111.64 ng
RT: 3.84 min Scan# 394
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

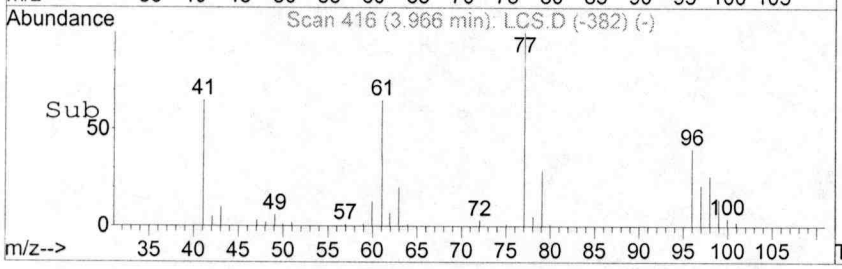
Tgt Ion: 59 Resp: 133652

Ion	Ratio	Lower	Upper
59	100		
57	33.7	3.4	63.4





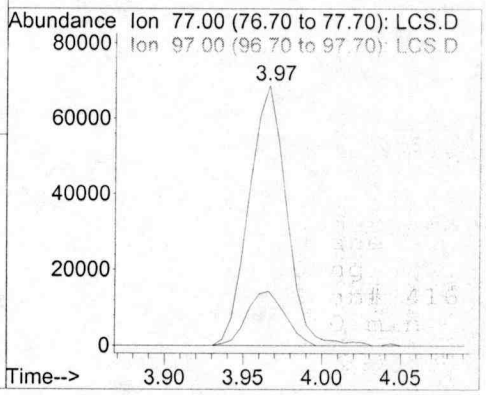


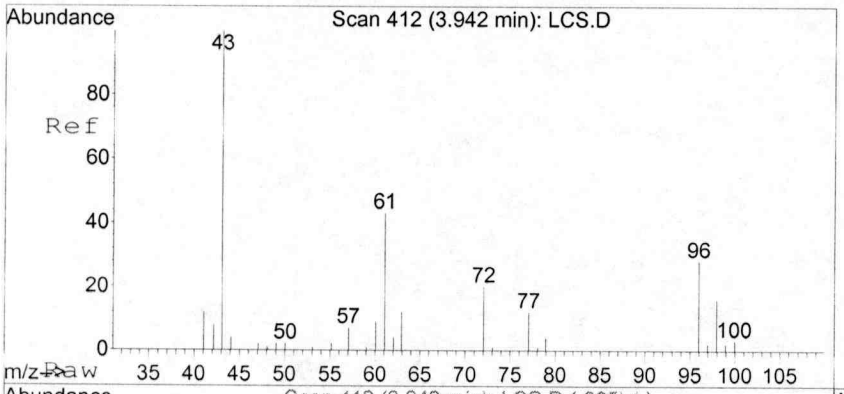


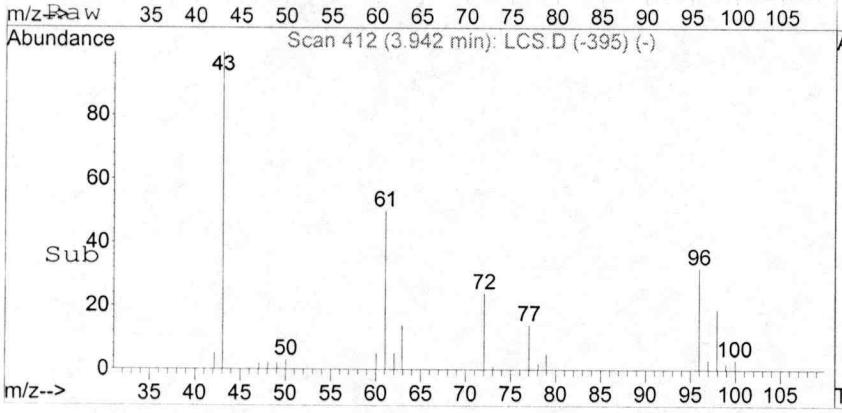
#18
2,2-Dichloropropane
Concen: 125.56 ng
RT: 3.97 min Scan# 416
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 77 Resp: 113463

Ion	Ratio	Lower	Upper
77	100		
97	20.9	0.0	53.0



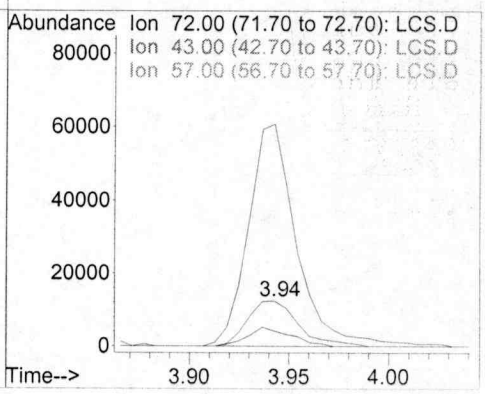


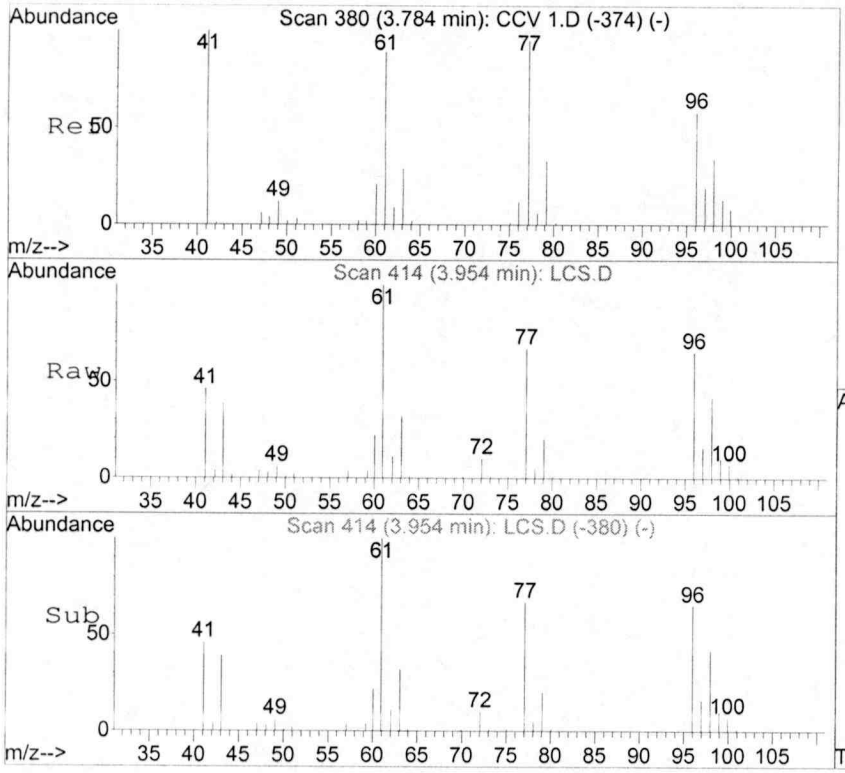


#19
2-Butanone
Concen: 1169.81 ng
RT: 3.94 min Scan# 412
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 72 Resp: 22007

Ion	Ratio	Lower	Upper
72	100		
43	491.0	399.7	599.5
57	33.5	31.6	47.4

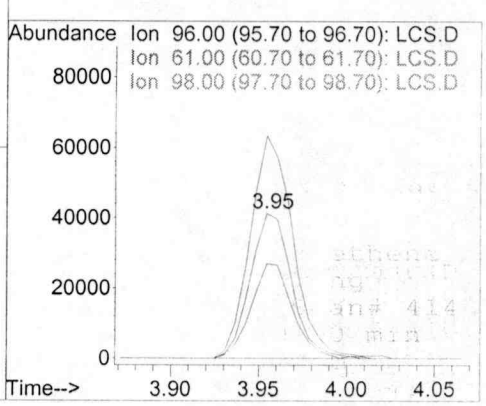


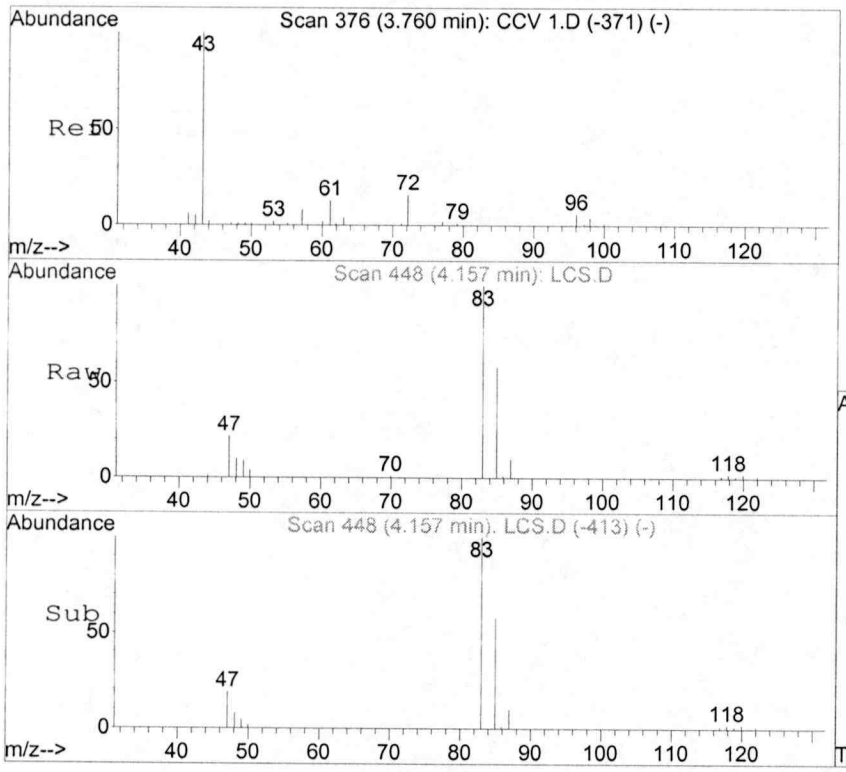


#20
cis-1,2-Dichloroethene
Concen: 113.31 ng
RT: 3.95 min Scan# 414
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 96 Resp: 67582

Ion	Ratio	Lower	Upper
96	100		
61	153.6	131.0	191.0
98	65.2	35.2	95.2

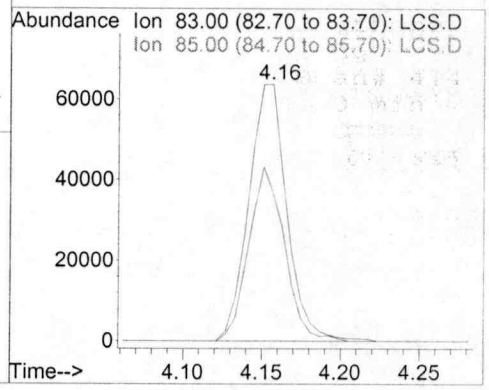


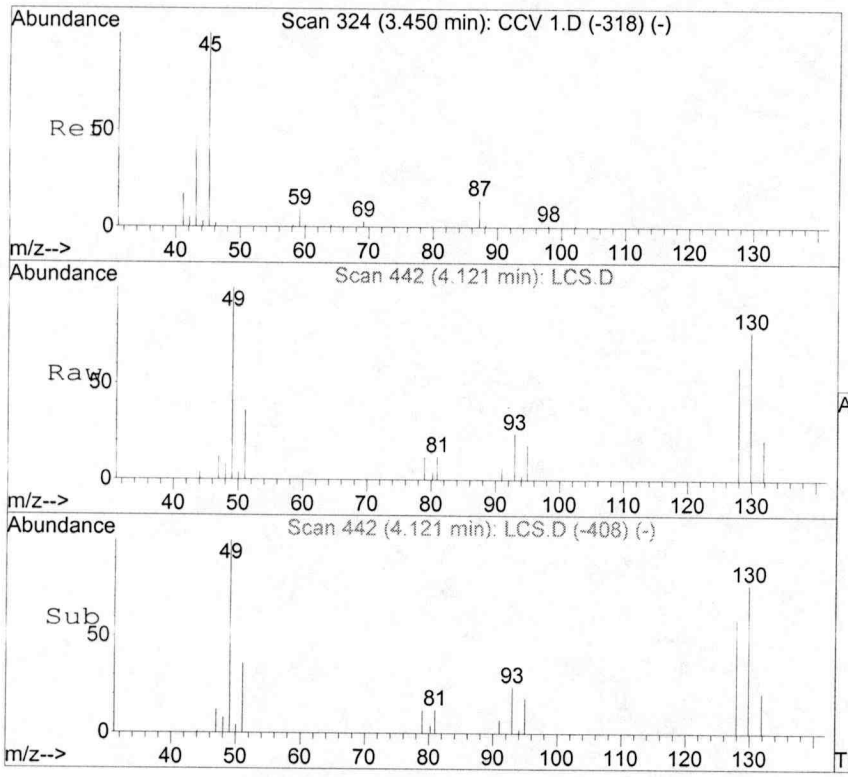


#21
Chloroform
Concen: 115.48 ng
RT: 4.16 min Scan# 448
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 83 Resp: 107362

Ion	Ratio	Lower	Upper
83	100		
85	57.5	40.2	100.2

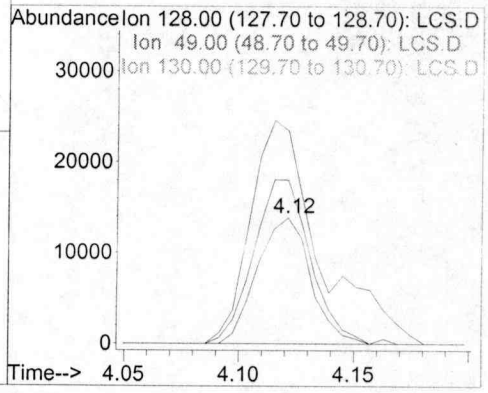


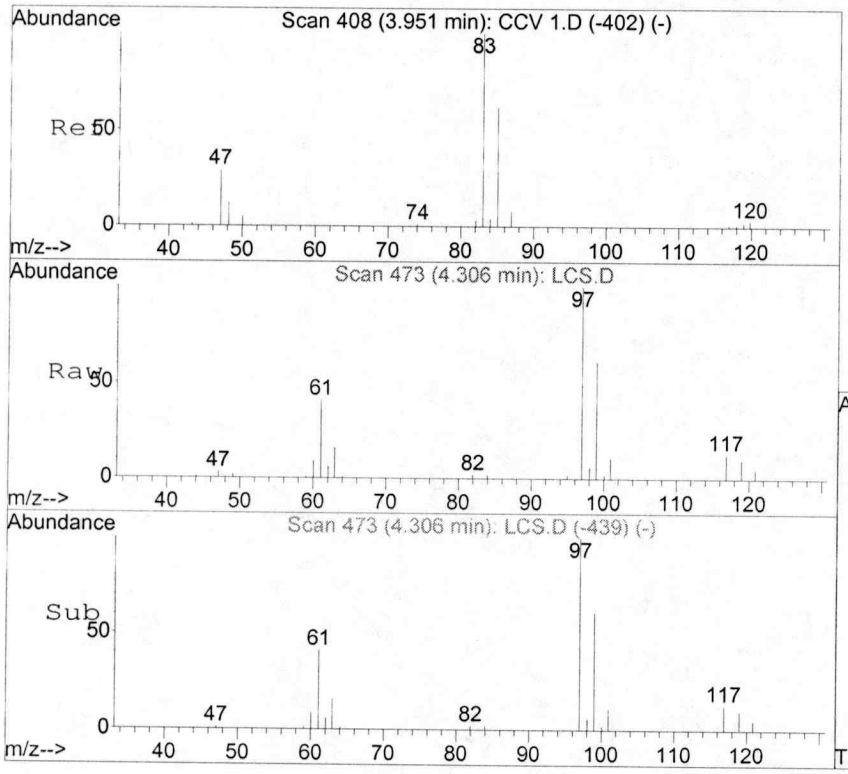


#22
Bromochloromethane
Concen: 97.63 ng
RT: 4.12 min Scan# 442
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:128 Resp: 22290

Ion	Ratio	Lower	Upper
128	100		
49	168.9	156.0	216.0
130	130.1	89.9	149.9

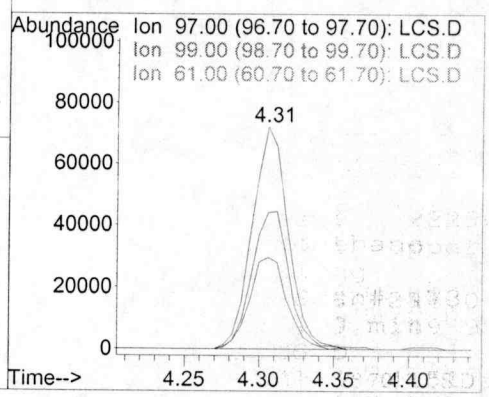


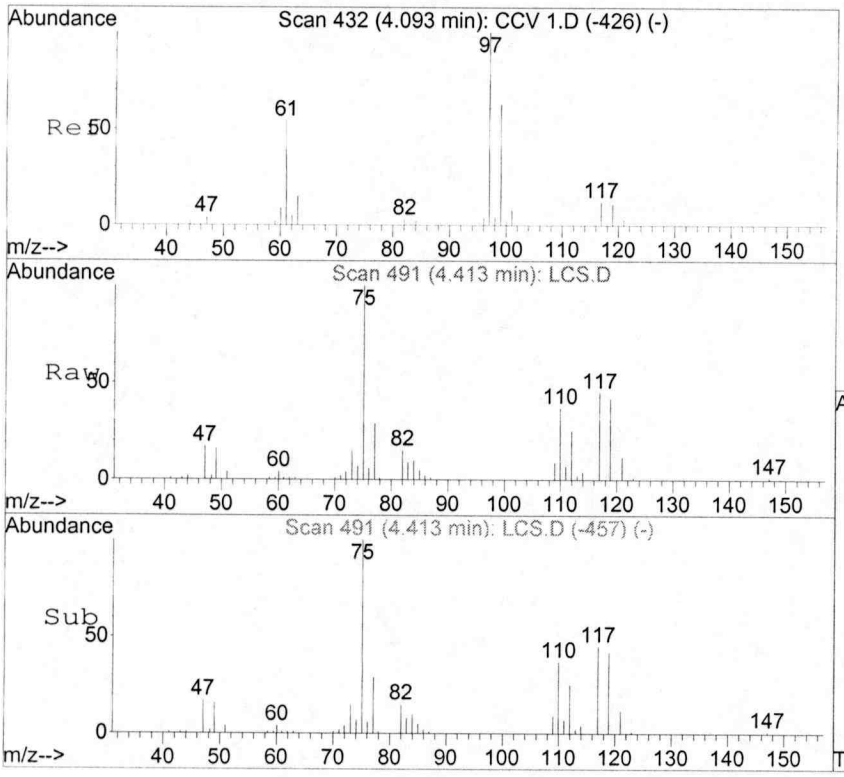


#23
1,1,1-Trichloroethane
Concen: 119.21 ng
RT: 4.31 min Scan# 473
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 97 Resp: 120958

Ion	Ratio	Lower	Upper
97	100		
99	61.0	30.7	90.7
61	40.9	15.9	75.9

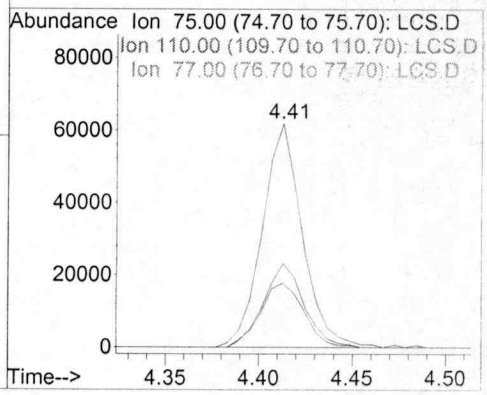


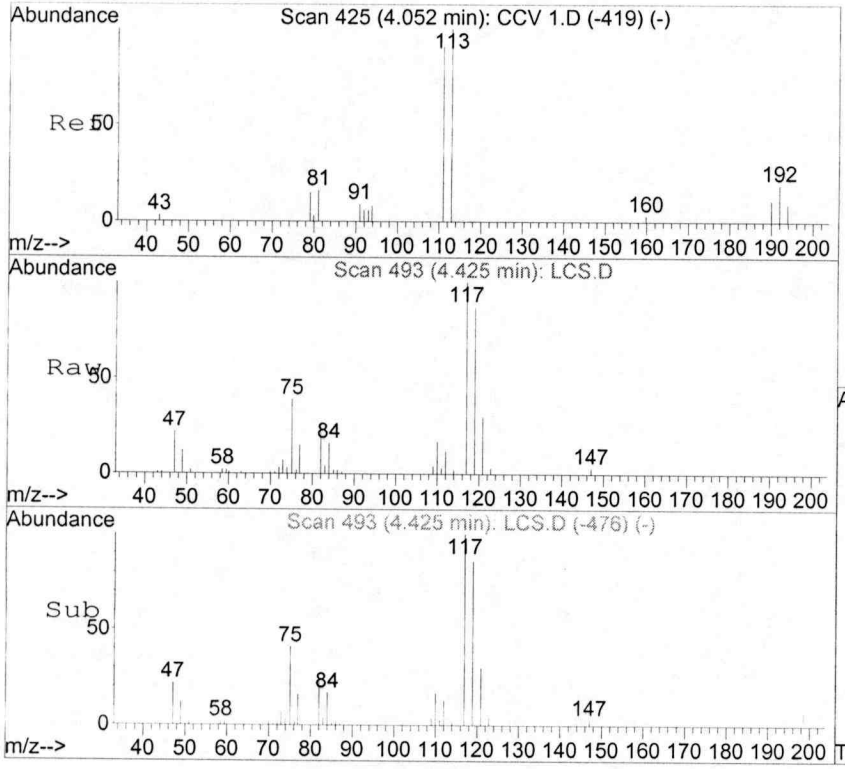


#25
1,1-Dichloropropene
Concen: 112.35 ng
RT: 4.41 min Scan# 491
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 75 Resp: 91769

Ion	Ratio	Lower	Upper
75	100		
110	37.4	5.0	65.0
77	28.7	0.8	60.8

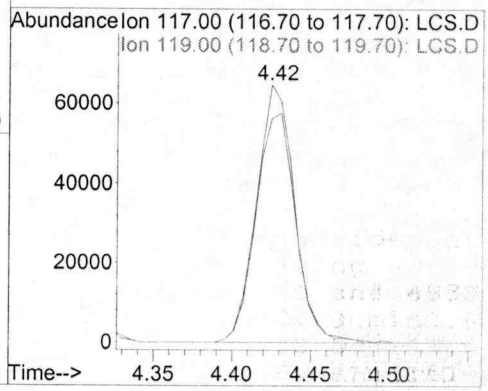


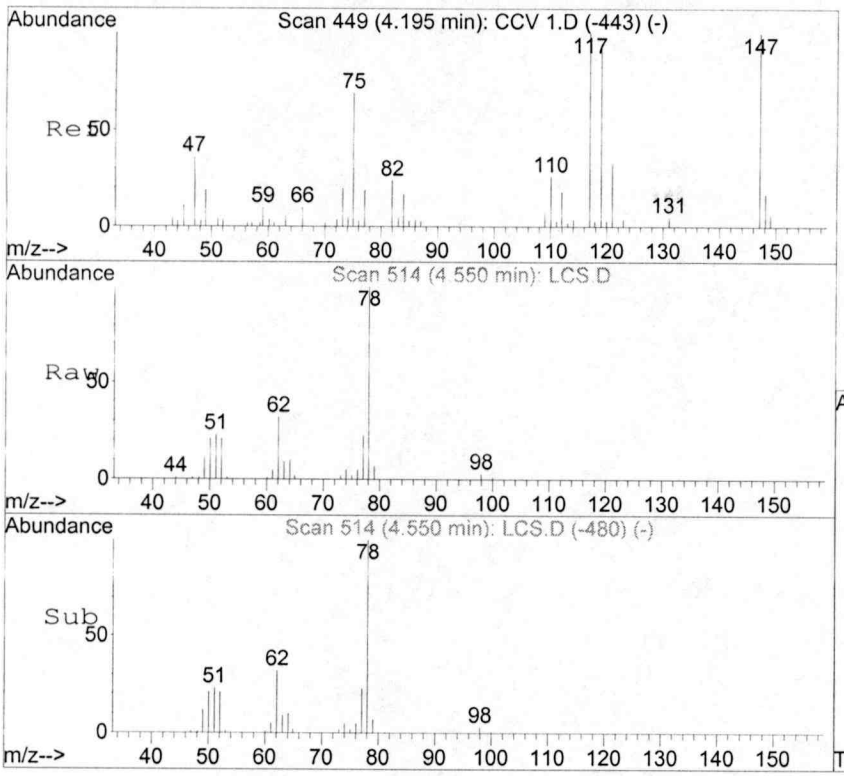


#26
Carbon Tetrachloride
Concen: 108.48 ng
RT: 4.42 min Scan# 493
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:117 Resp: 108805

Ion	Ratio	Lower	Upper
117	100		
119	87.0	60.8	120.8

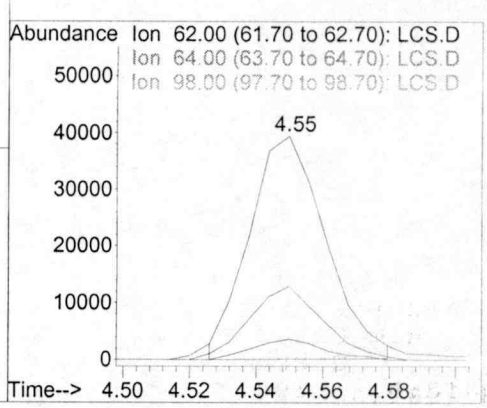


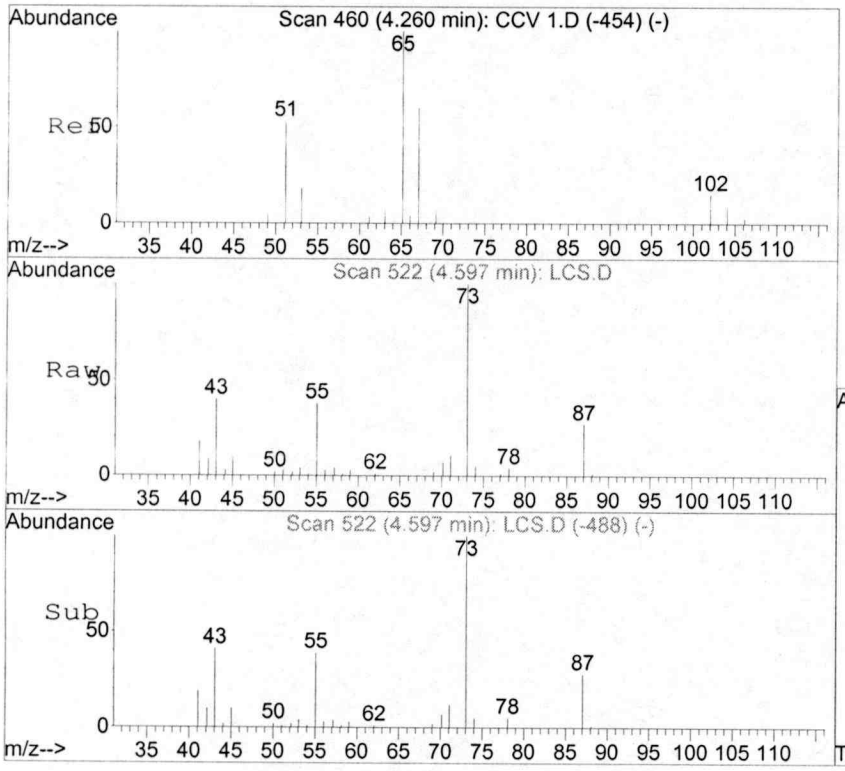


#28
1,2-Dichloroethane
Concen: 131.65 ng m
RT: 4.55 min Scan# 514
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 62 Resp: 62477

Ion	Ratio	Lower	Upper
62	100		
64	32.7	0.1	60.1
98	9.1	0.0	41.6

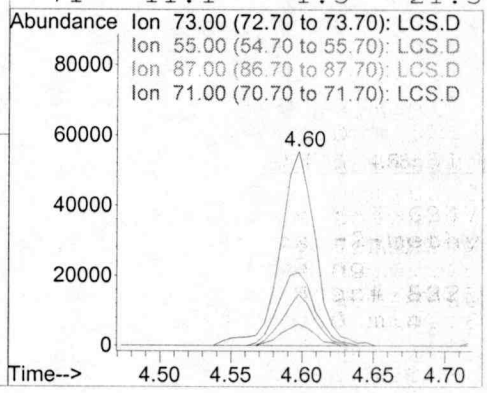


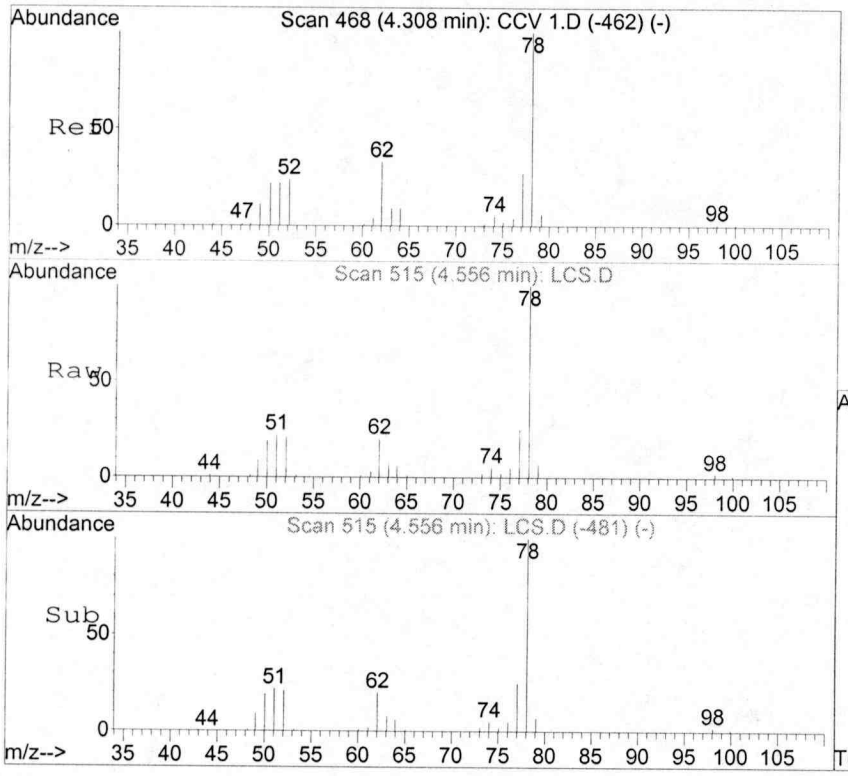


#29
TAME* (2-methoxy-2-methylbutane
Concen: 123.93 ng
RT: 4.60 min Scan# 522
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 73 Resp: 95350

Ion	Ratio	Lower	Upper
73	100		
55	37.7	14.6	74.6
87	26.5	0.0	54.3
71	11.1	1.5	21.5

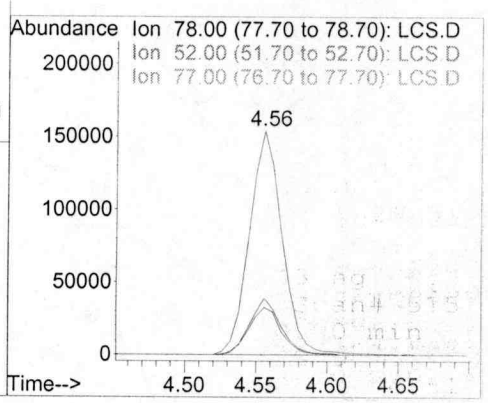


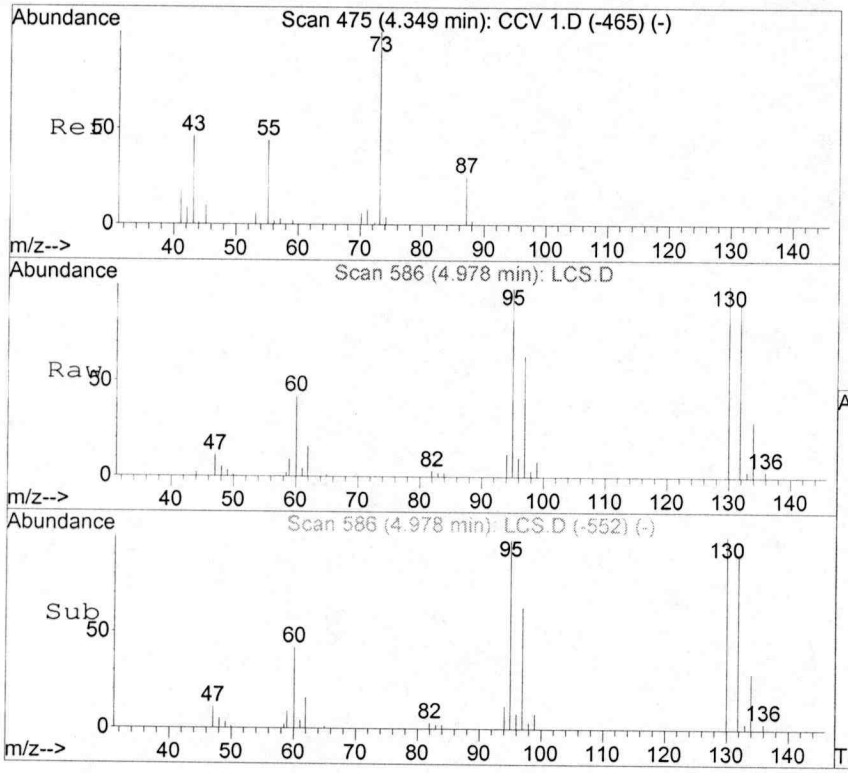


#30
Benzene*
Concen: 108.43 ng
RT: 4.56 min Scan# 515
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 78 Resp: 246201

Ion	Ratio	Lower	Upper
78	100		
52	21.1	3.8	43.8
77	25.3	4.0	44.0

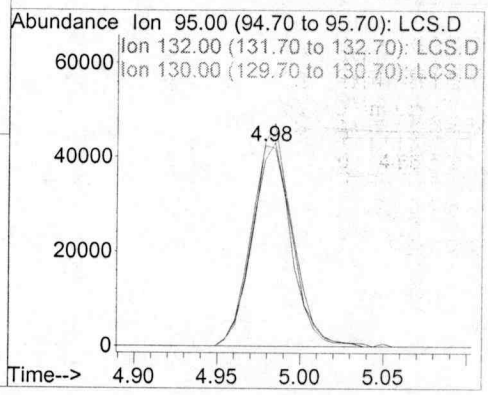


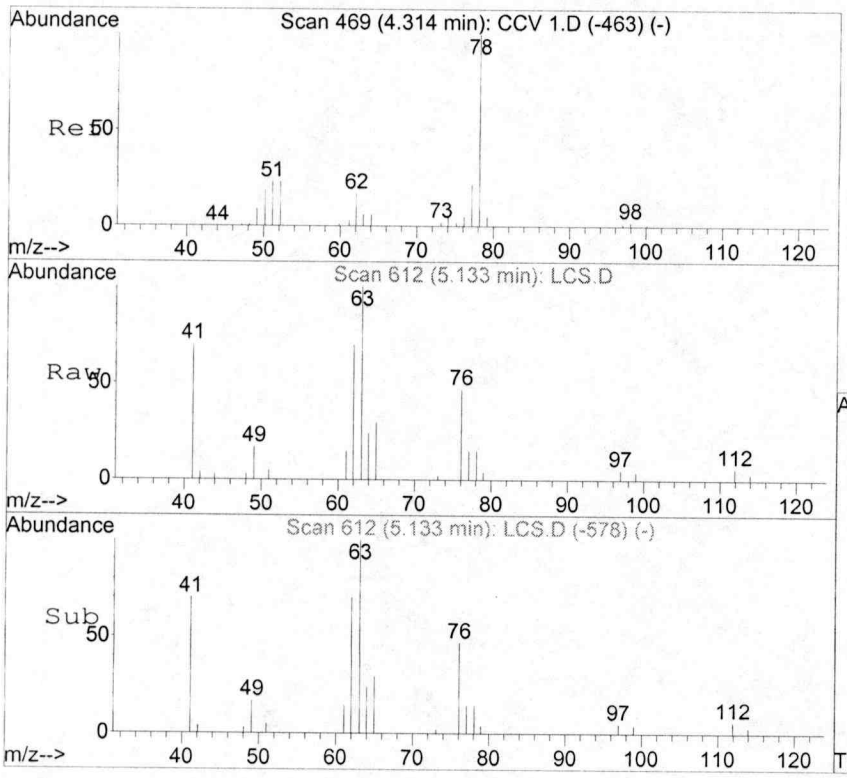


#31
Trichloroethene
Concen: 110.67 ng
RT: 4.98 min Scan# 586
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 95 Resp: 72291

Ion	Ratio	Lower	Upper
95	100		
132	92.7	92.0	152.0
130	101.6	88.9	148.9

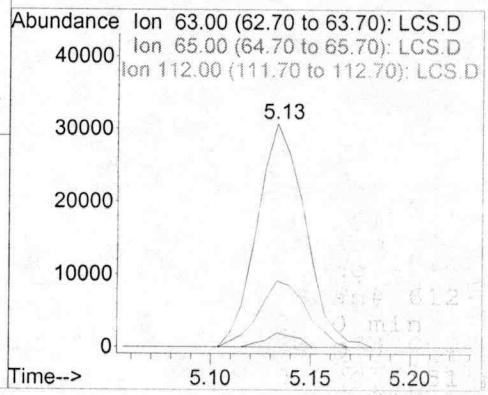


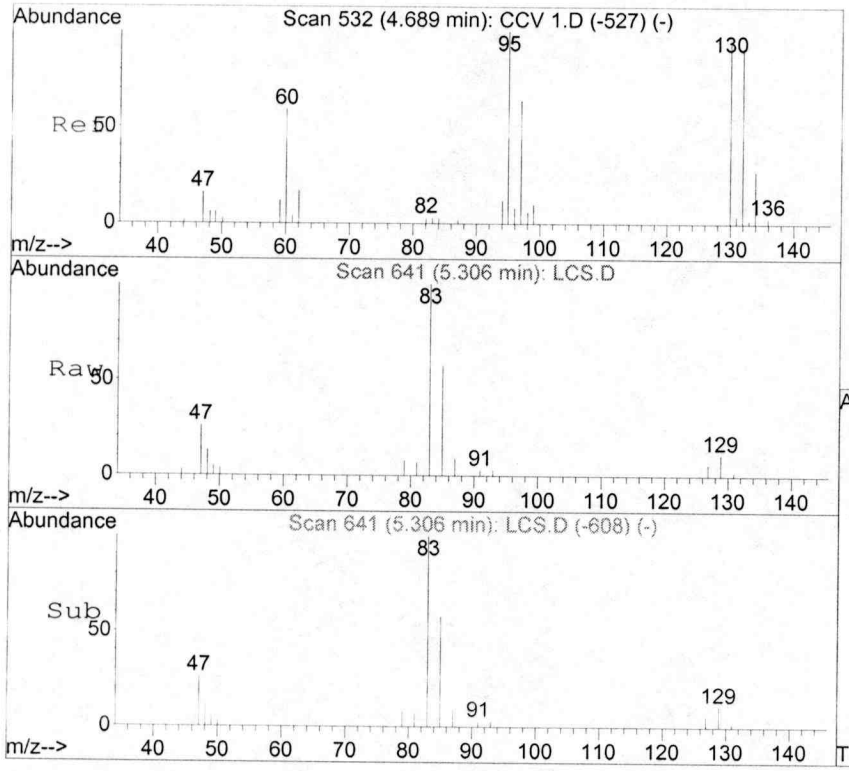


#32
1,2-Dichloropropane
Concen: 100.60 ng
RT: 5.13 min Scan# 612
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 63 Resp: 51497

Ion	Ratio	Lower	Upper
63	100		
65	29.8	0.0	59.5
112	6.3	0.0	34.6

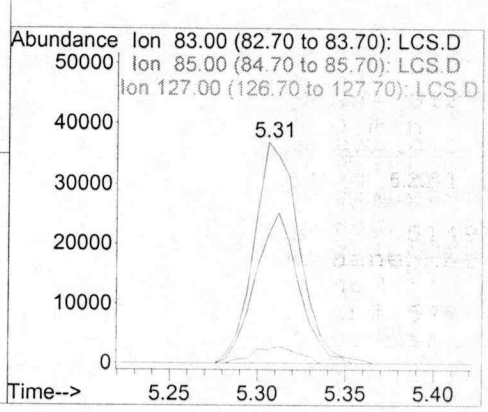


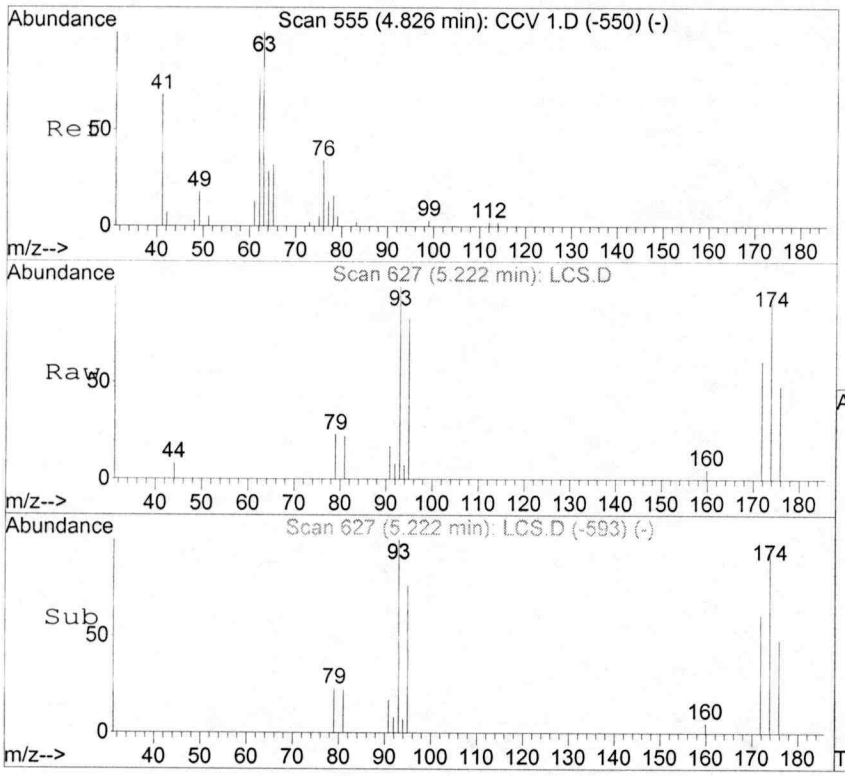


#33
Bromodichloromethane
Concen: 118.35 ng
RT: 5.31 min Scan# 641
Delta R.T. -0.01 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 83 Resp: 66214

Ion	Ratio	Lower	Upper
83	100		
85	57.8	33.6	93.6
127	6.0	0.0	41.0

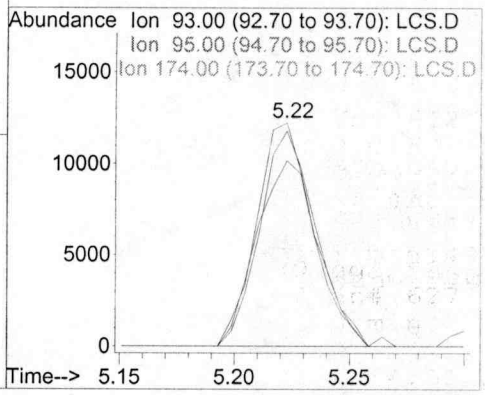


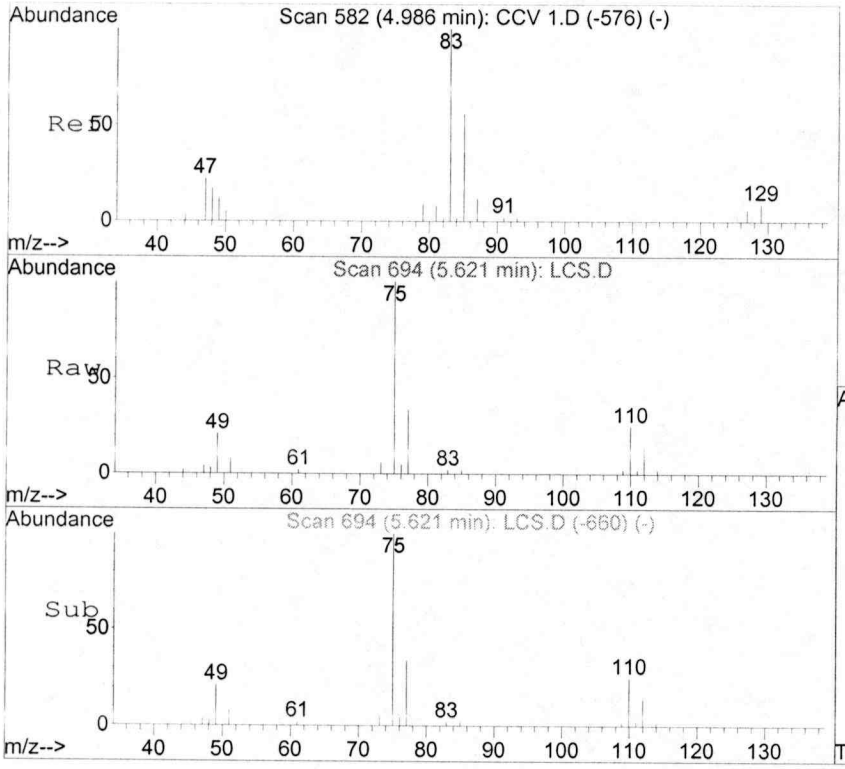


#34
Dibromomethane
Concen: 118.89 ng
RT: 5.22 min Scan# 627
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 93 Resp: 21124

Ion	Ratio	Lower	Upper
93	100		
95	82.9	55.8	115.8
174	96.3	79.1	139.1

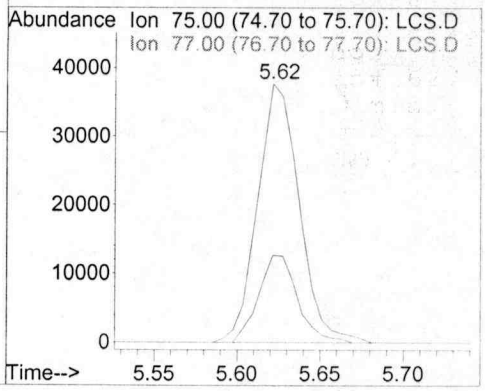


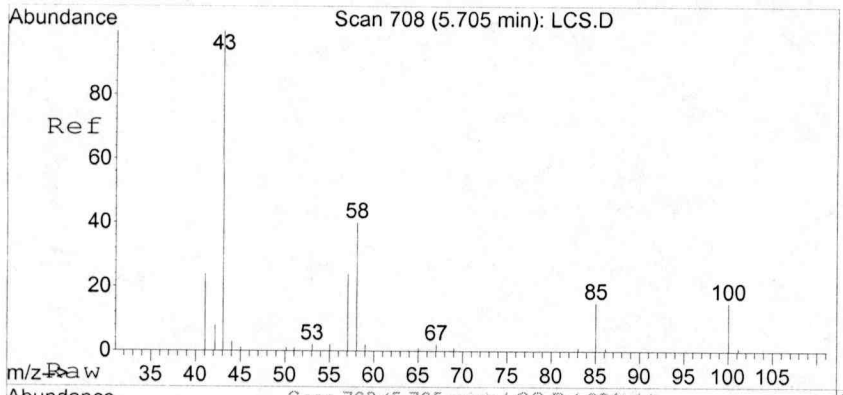


#35
cis-1,3-Dichloropropene
Concen: 113.08 ng
RT: 5.62 min Scan# 694
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 75 Resp: 65629

Ion	Ratio	Lower	Upper
75	100		
77	33.5	0.0	57.2

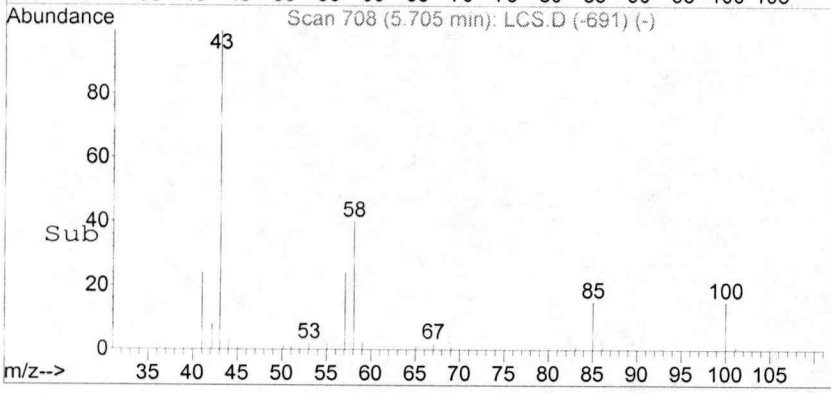


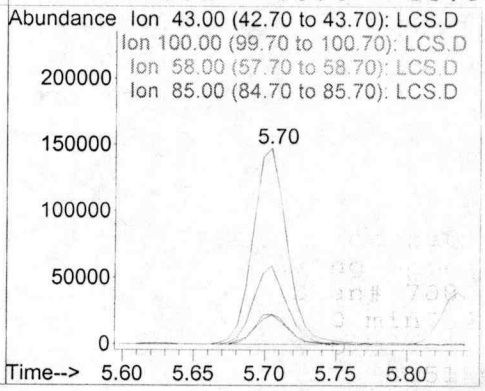


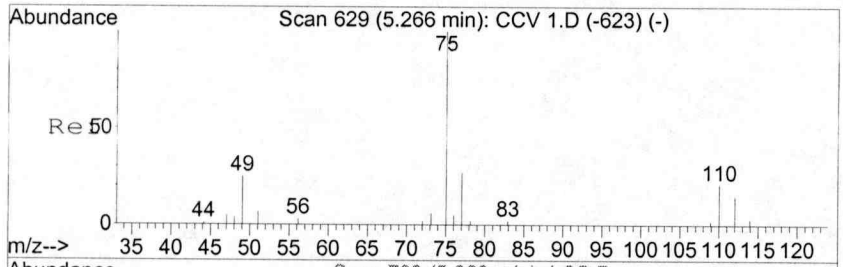
#36
Methyl Isobutyl Ketone
Concen: 1198.27 ng
RT: 5.70 min Scan# 708
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 43 Resp: 246222

Ion	Ratio	Lower	Upper
43	100		
100	14.9	9.9	14.9
58	40.1	29.9	44.9
85	15.2	10.6	15.8



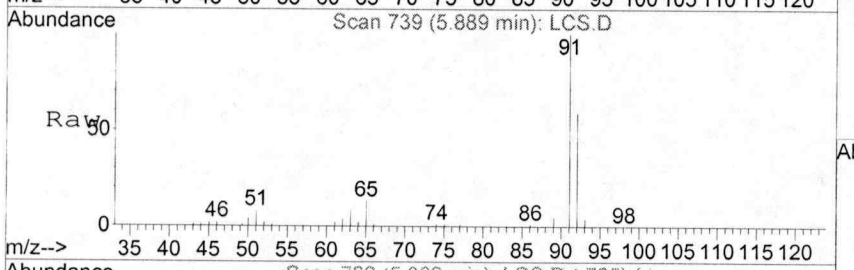


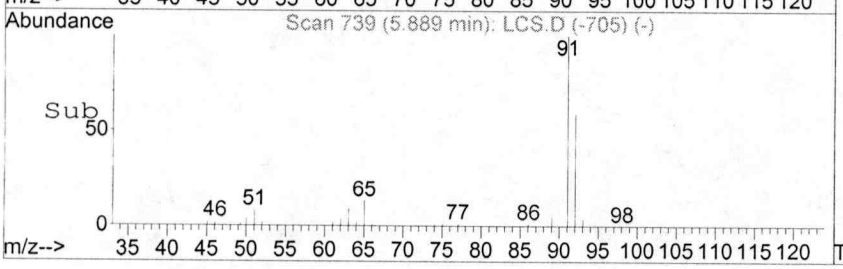


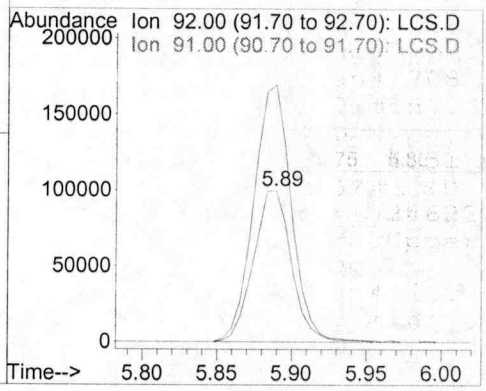
#38
Toluene*
Concen: 105.00 ng
RT: 5.89 min Scan# 739
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

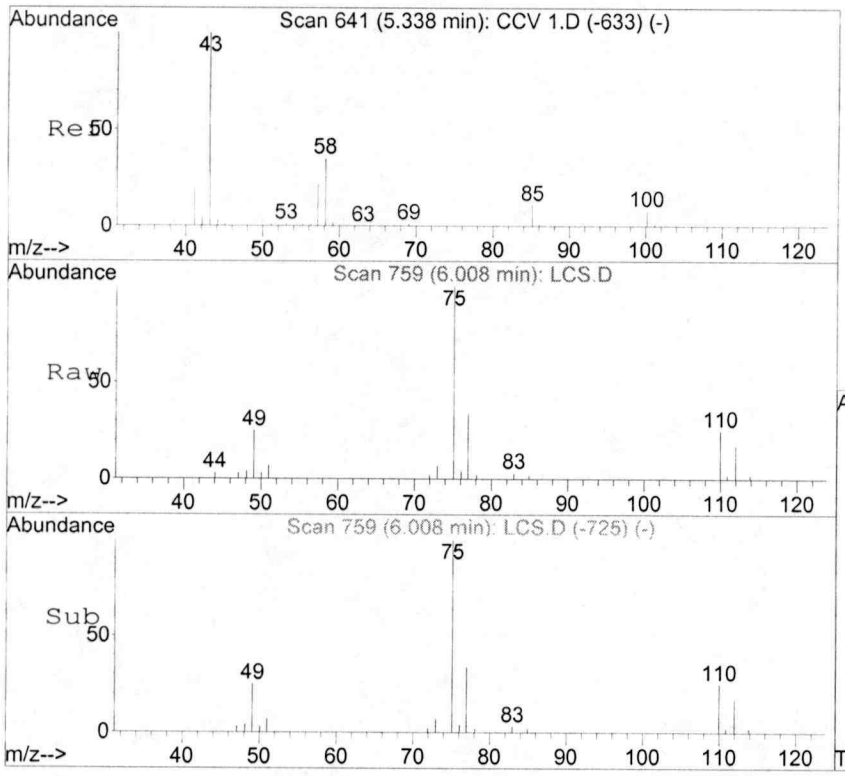
Tgt Ion: 92 Resp: 175526

Ion	Ratio	Lower	Upper
92	100		
91	169.6	130.7	190.7





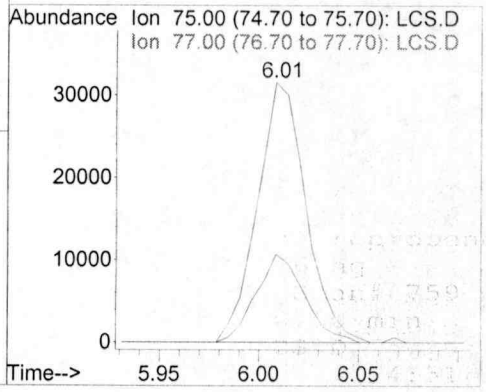


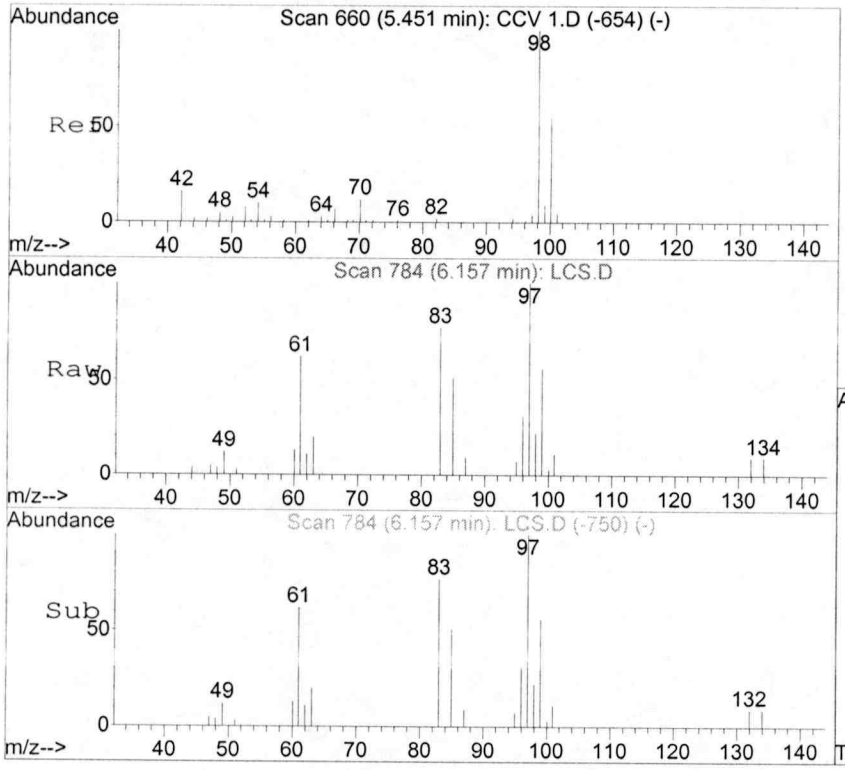


#39
trans-1,3-Dichloropropene
Concen: 116.96 ng
RT: 6.01 min Scan# 759
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 75 Resp: 53034

Ion	Ratio	Lower	Upper
75	100		
77	33.8	0.7	60.7

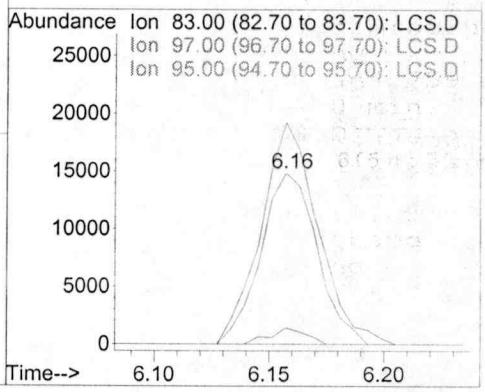


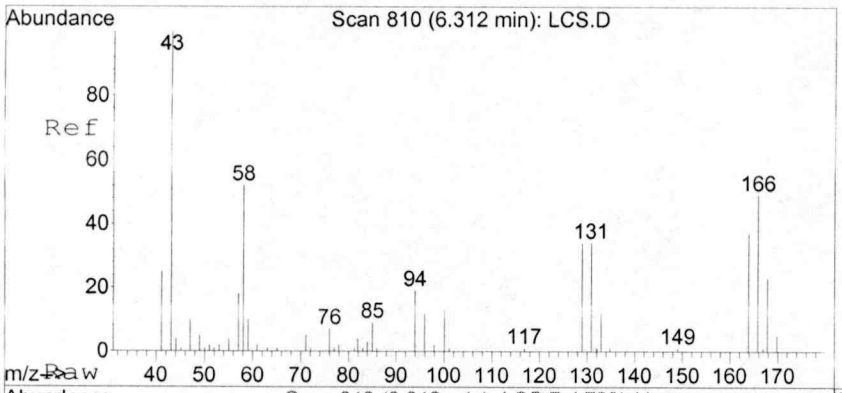


#40
1,1,2-Trichloroethane
Concen: 112.59 ng
RT: 6.16 min Scan# 784
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 83 Resp: 25365

Ion	Ratio	Lower	Upper
83	100		
97	129.7	86.6	146.6
95	9.5	0.0	37.8

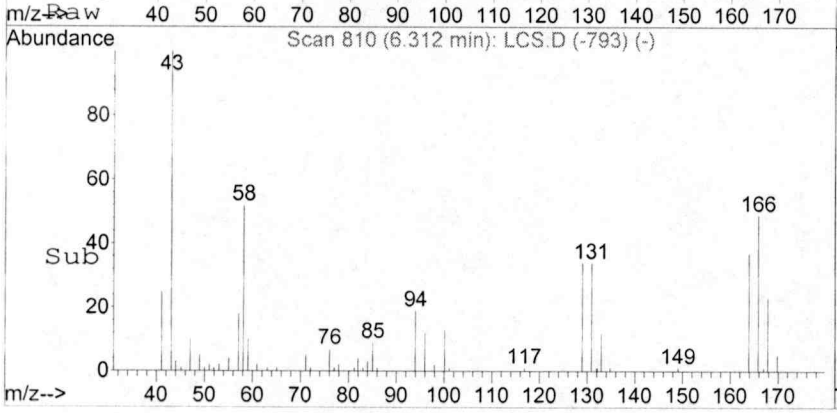


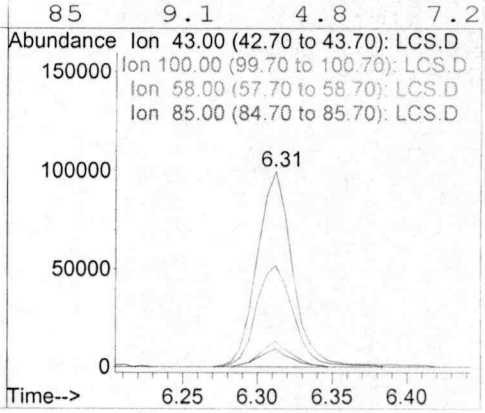


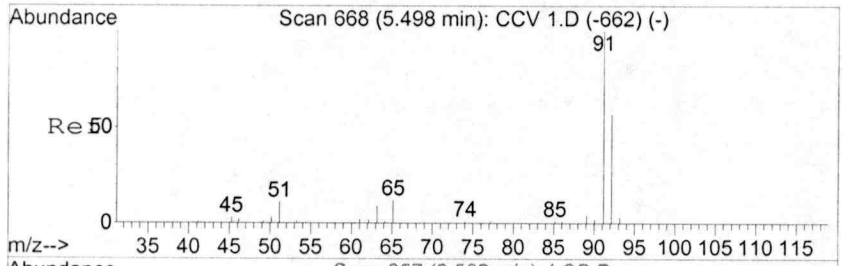
#41
2-Hexanone
Concen: 1223.58 ng
RT: 6.31 min Scan# 810
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 43 Resp: 163633

Ion	Ratio	Lower	Upper
43	100		
100	12.8	8.5	12.7#
58	51.9	41.6	62.4
85	9.1	4.8	7.2#



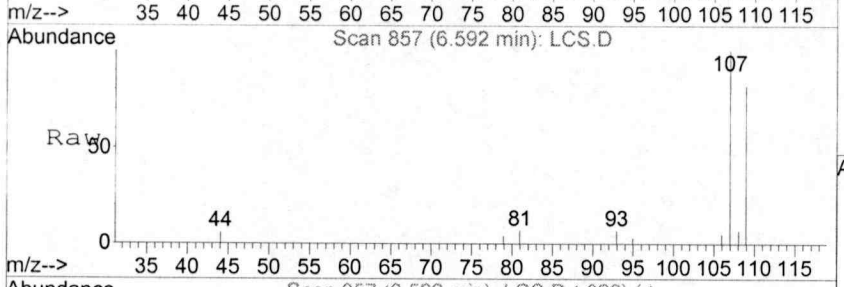


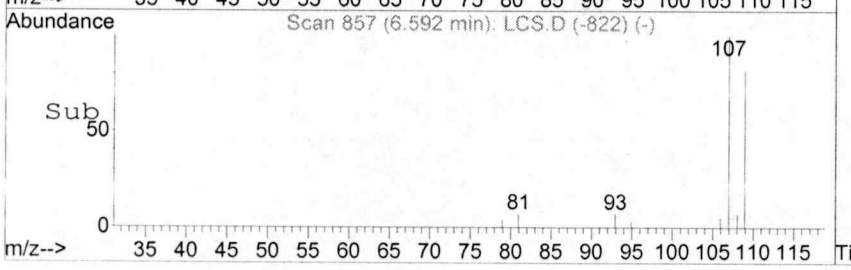


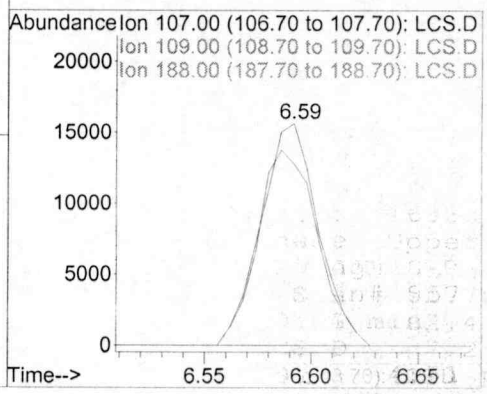
#42
1,2-Dibromoethane
Concen: 118.29 ng
RT: 6.59 min Scan# 857
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

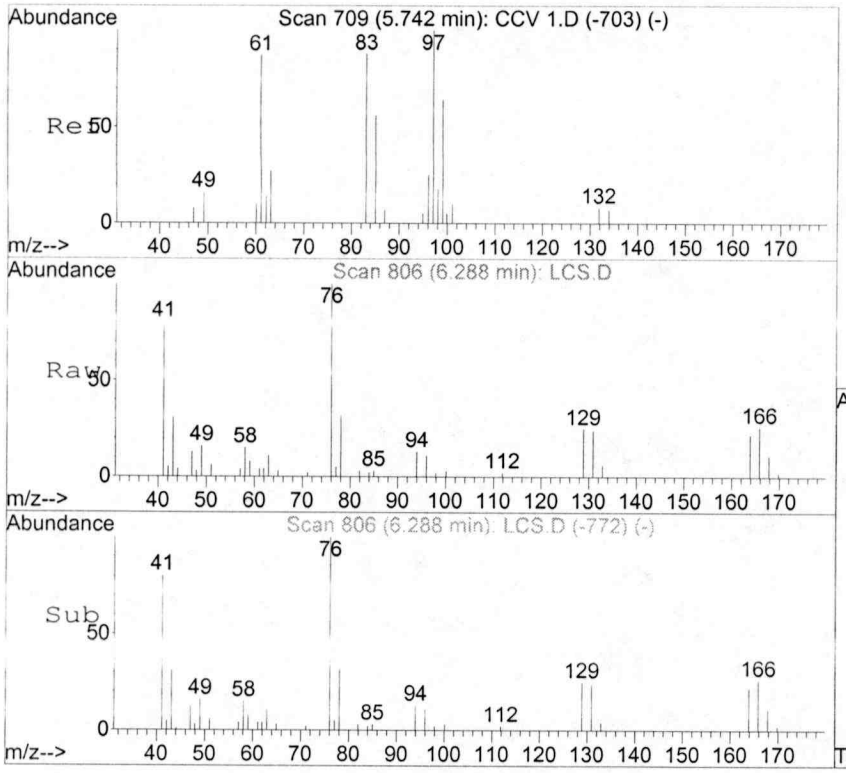
Tgt Ion:107 Resp: 29139

Ion	Ratio	Lower	Upper
107	100		
109	81.7	54.4	114.4
188	0.0	0.0	30.0





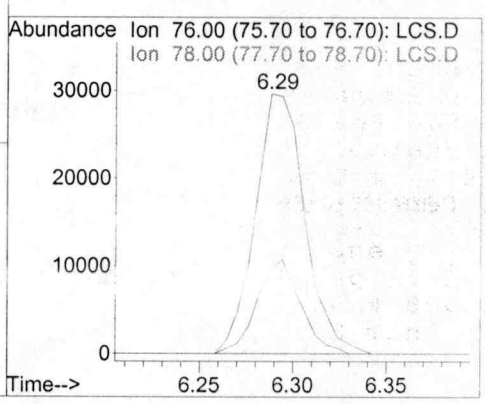


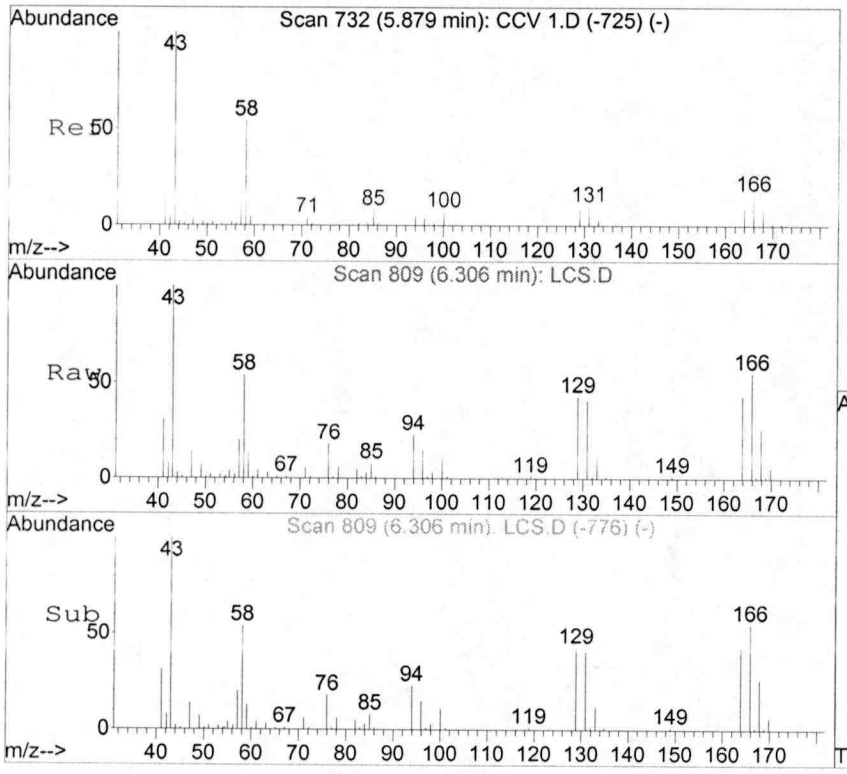


#44
1,3-Dichloropropane
Concen: 106.14 ng
RT: 6.29 min Scan# 806
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 76 Resp: 54380

Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	59.3

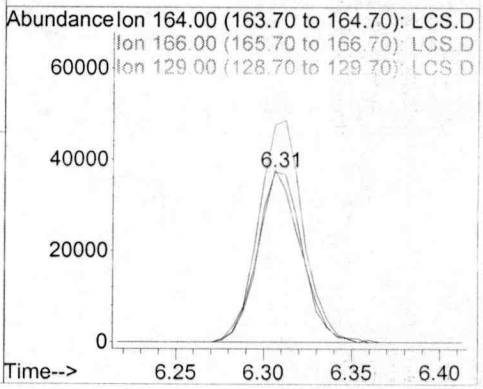


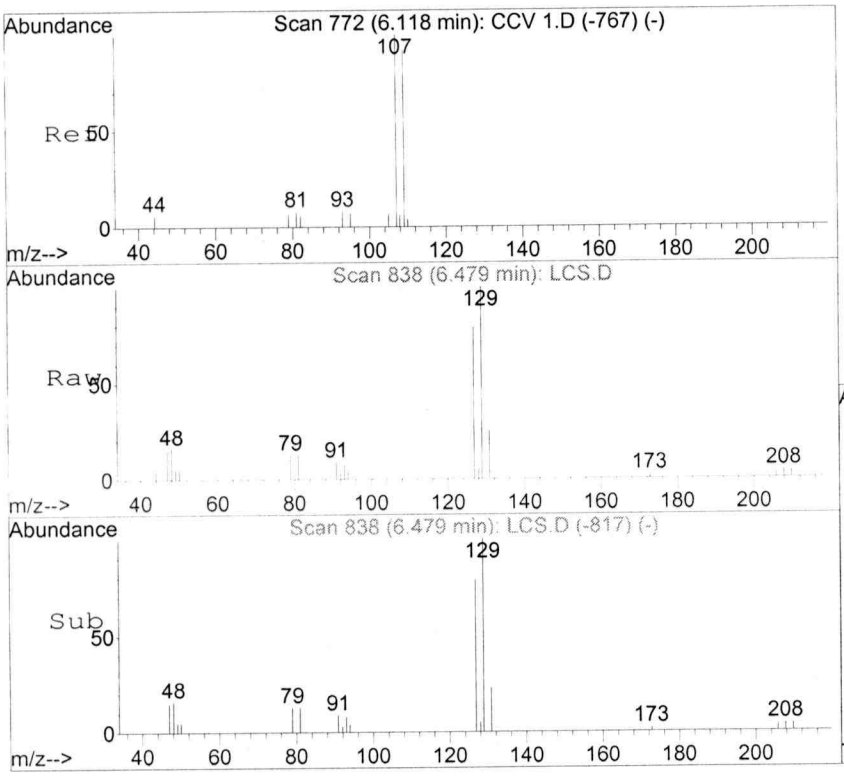


#45
Tetrachloroethene
Concen: 91.86 ng
RT: 6.31 min Scan# 809
Delta R.T. -0.01 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:164 Resp: 66766

Ion	Ratio	Lower	Upper
164	100		
166	127.5	100.1	160.1
129	101.2	59.7	119.7

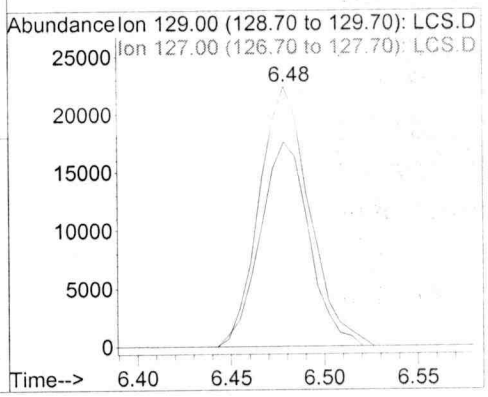


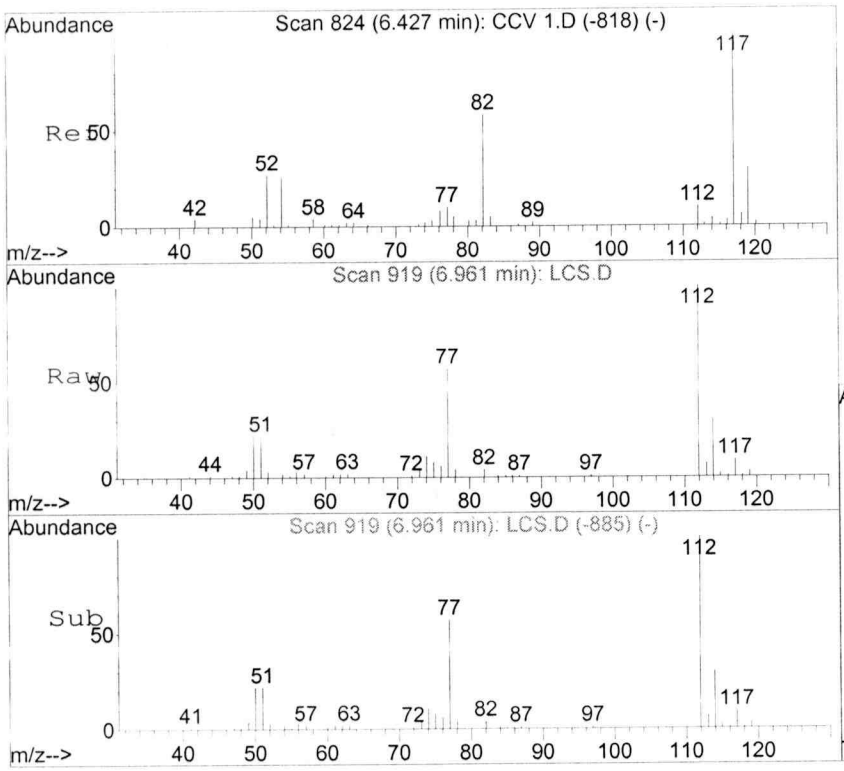


#46
Dibromochloromethane
Concen: 106.76 ng
RT: 6.48 min Scan# 838
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:129 Resp: 41666

Ion	Ratio	Lower	Upper
129	100		
127	78.5	45.2	105.2

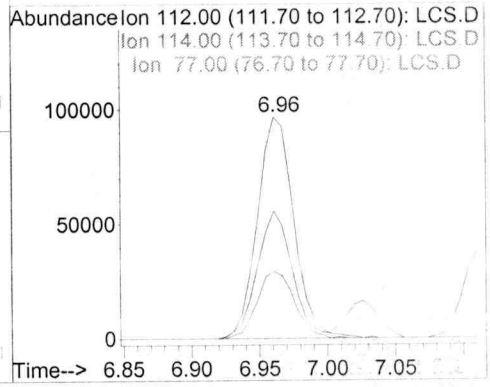


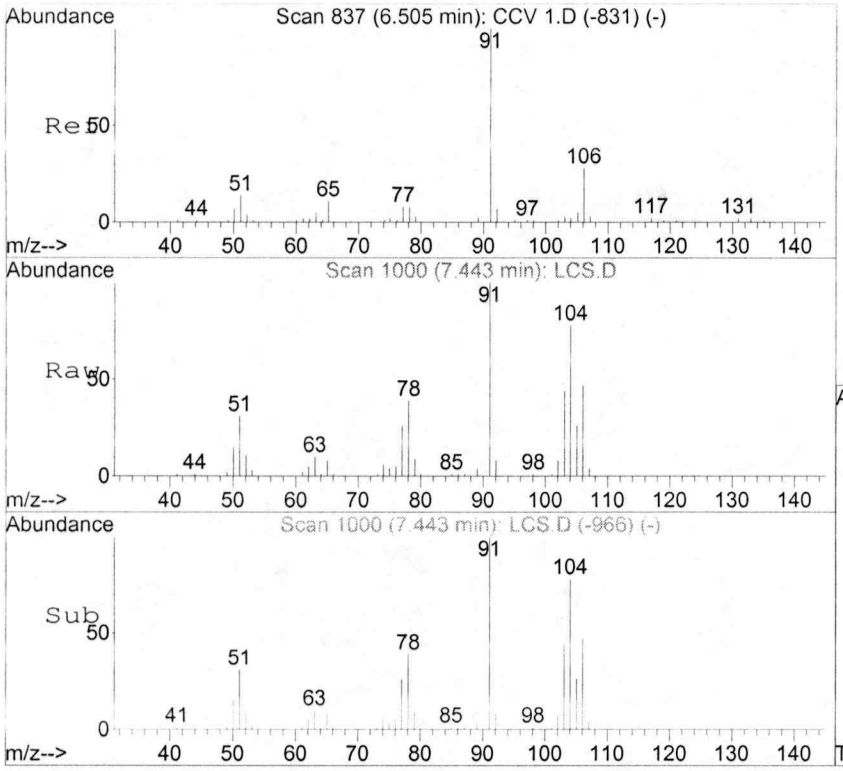


#47
Chlorobenzene
Concen: 100.78 ng
RT: 6.96 min Scan# 919
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:112 Resp: 180007

Ion	Ratio	Lower	Upper
112	100		
114	30.4	2.1	62.1
77	57.5	19.9	79.9

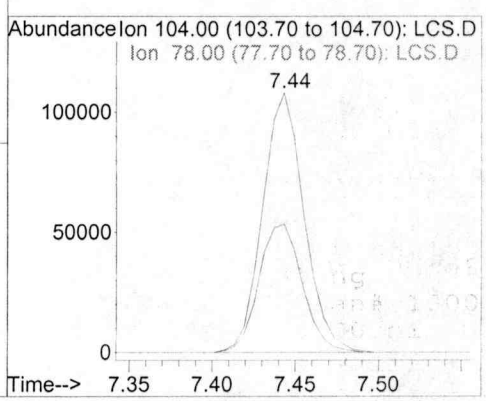


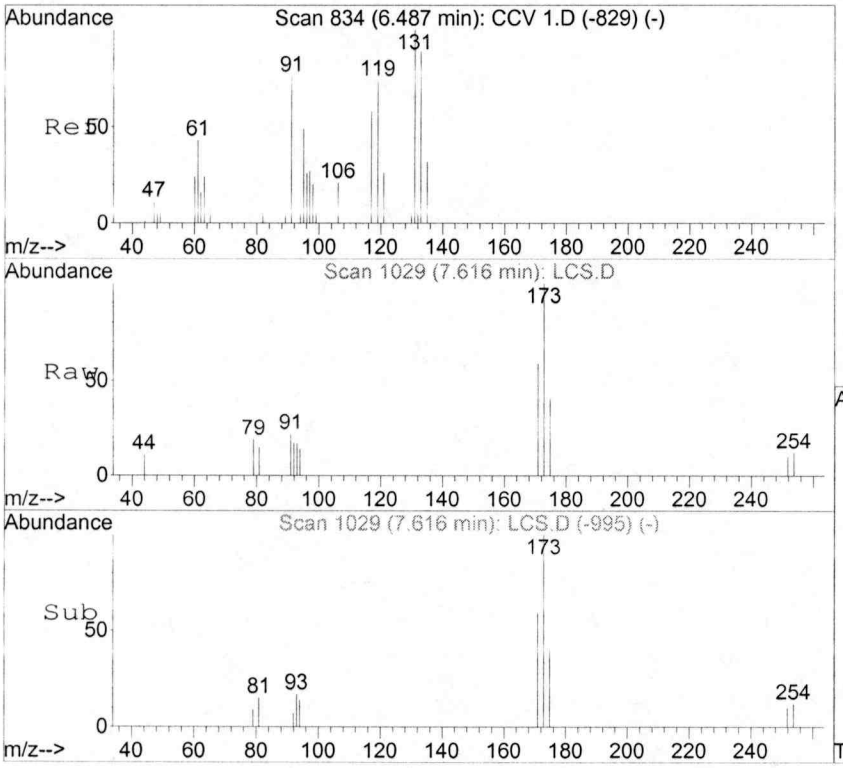


#52
Styrene
Concen: 117.31 ng
RT: 7.44 min Scan# 1000
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:104 Resp: 186344

Ion	Ratio	Lower	Upper
104	100		
78	49.3	14.5	74.5

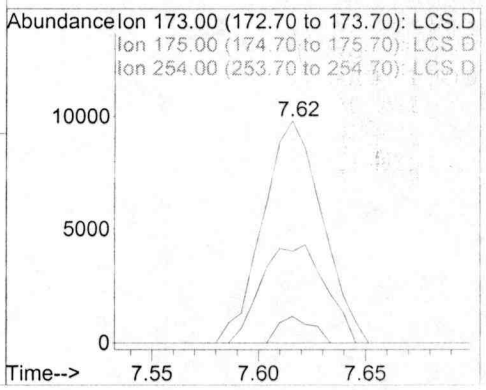


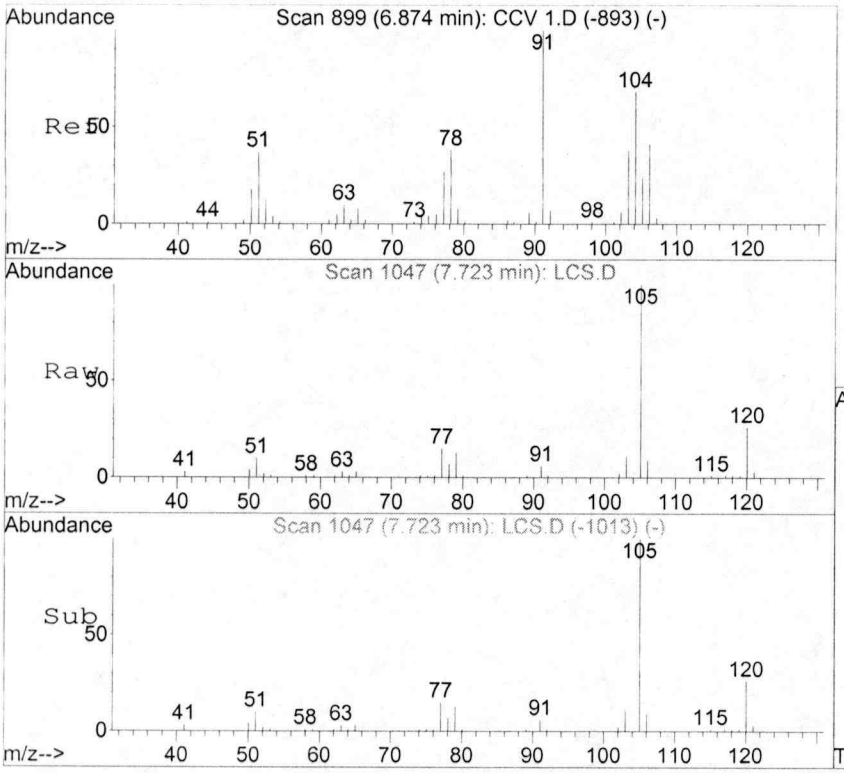


#53
Bromoform
Concen: 103.05 ng
RT: 7.62 min Scan# 1029
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:173 Resp: 18918

Ion	Ratio	Lower	Upper
173	100		
175	41.1	13.8	73.8
254	11.9	0.0	39.1

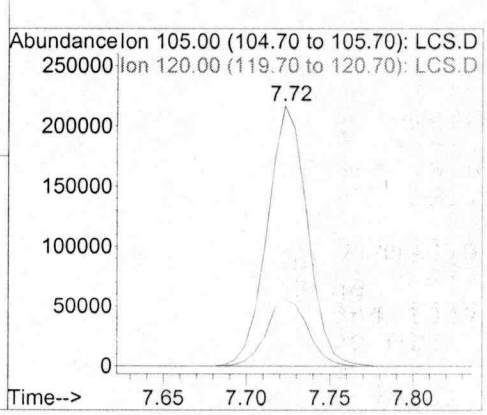


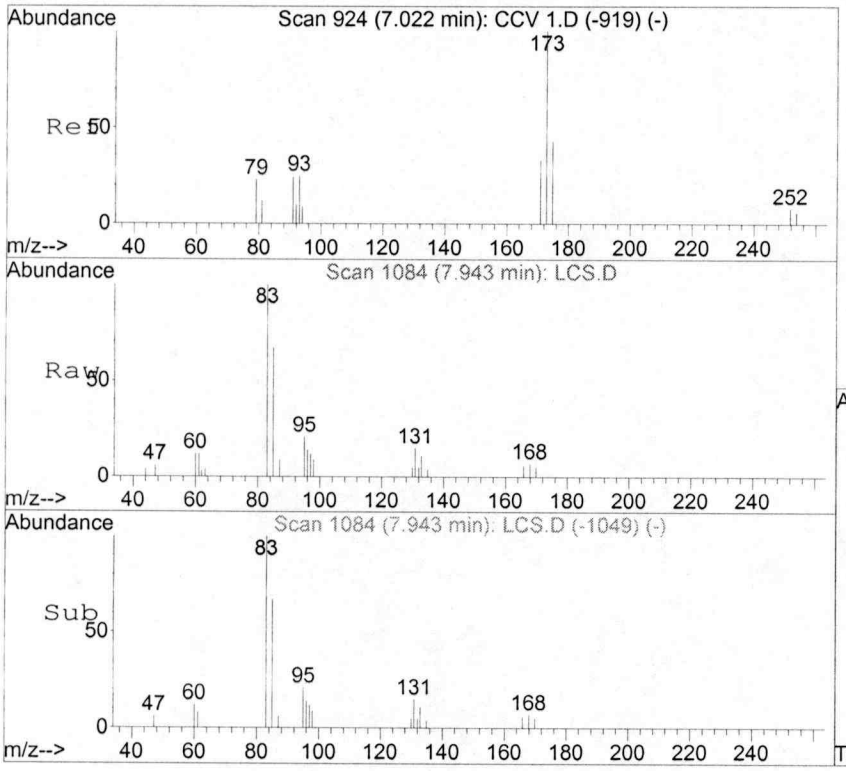


#56
Isopropylbenzene
Concen: 126.03 ng
RT: 7.72 min Scan# 1047
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:105 Resp: 361017

Ion	Ratio	Lower	Upper
105	100		
120	25.6	0.0	56.6

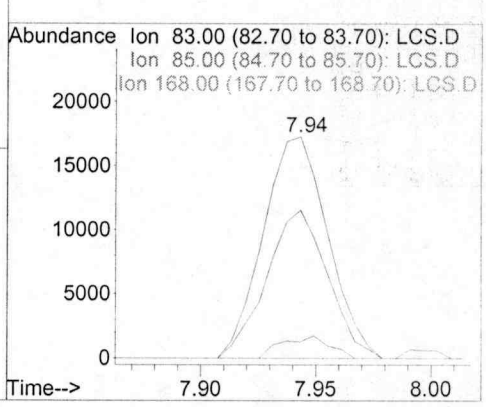


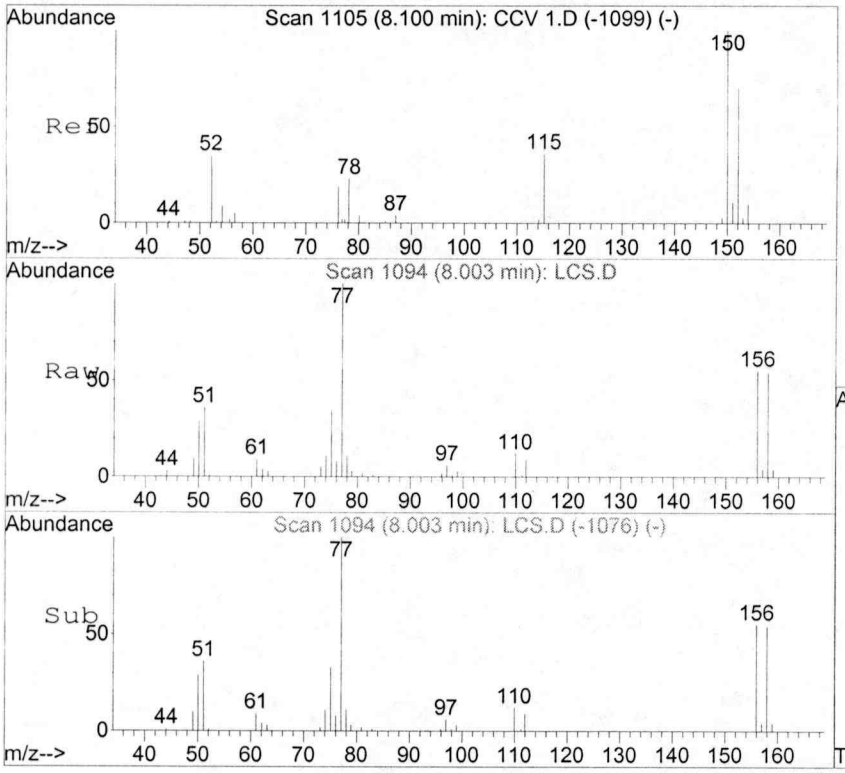


#57
1,1,2,2-Tetrachloroethane
Concen: 97.73 ng
RT: 7.94 min Scan# 1084
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 83 Resp: 33644

Ion	Ratio	Lower	Upper
83	100		
85	67.0	27.0	87.0
168	7.3	0.0	39.7

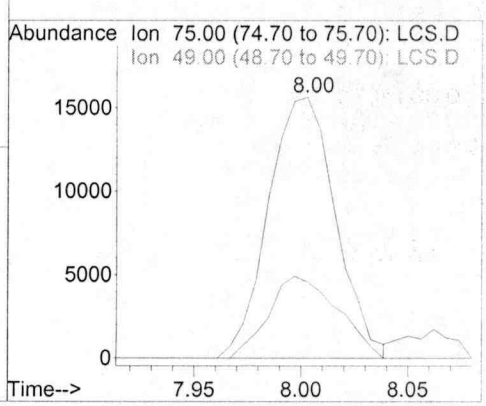


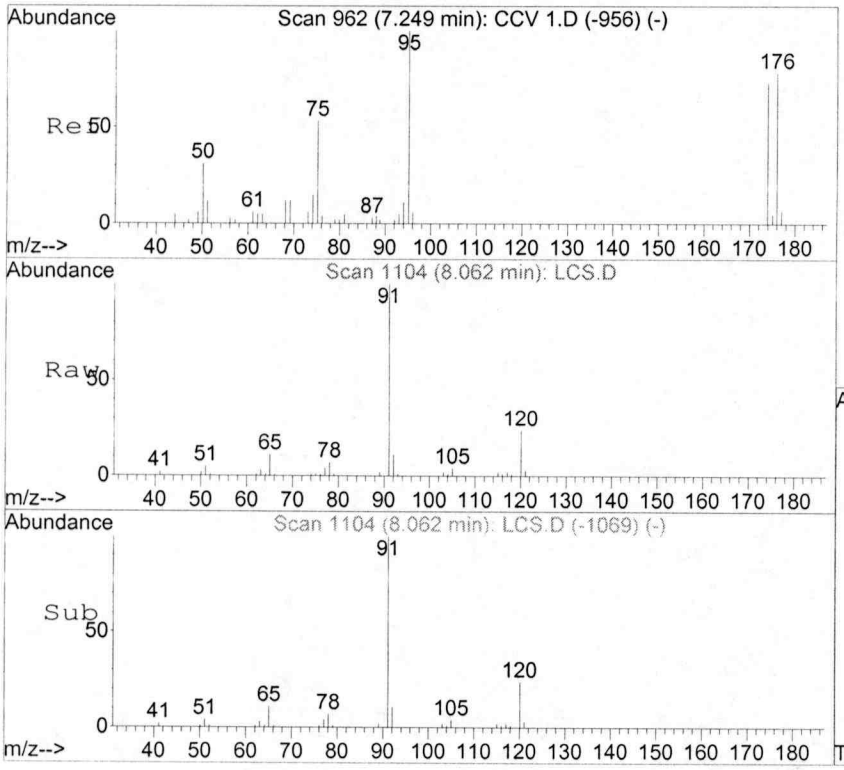


#58
1,2,3-Trichloropropane
Concen: 109.87 ng
RT: 8.00 min Scan# 1094
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 75 Resp: 34021

Ion	Ratio	Lower	Upper
75	100		
49	29.3	5.4	65.4

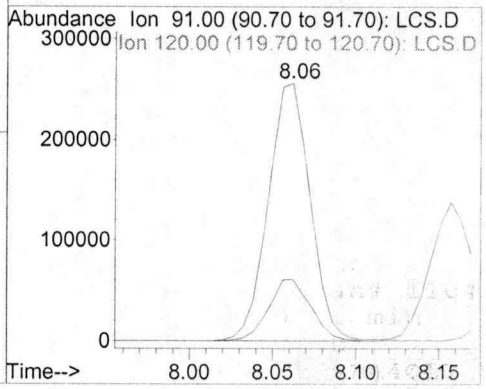


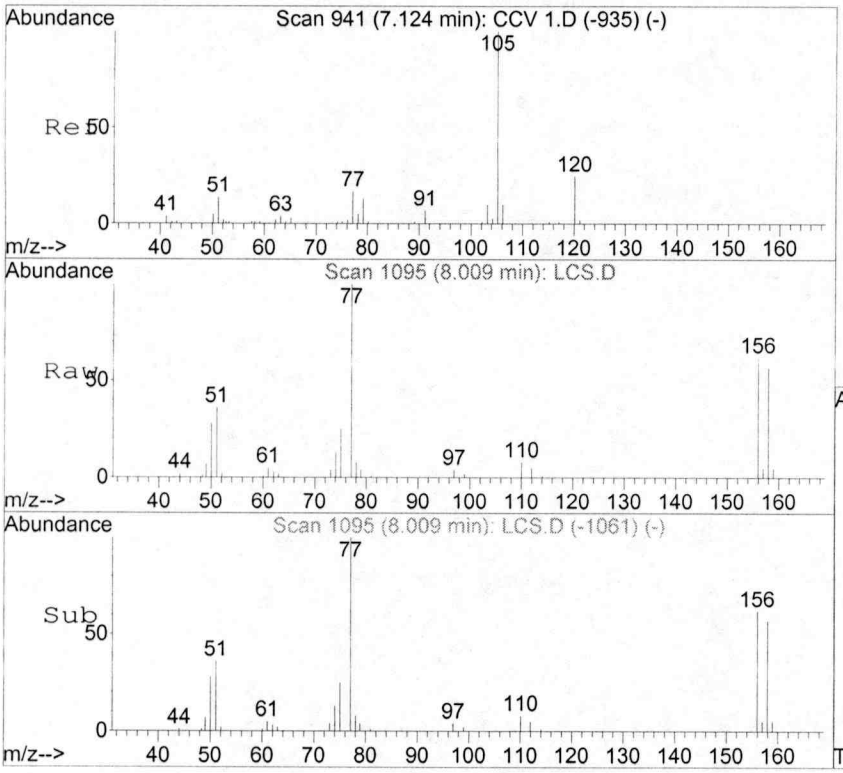


#59
n-Propylbenzene
Concen: 118.07 ng
RT: 8.06 min Scan# 1104
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 91 Resp: 448355

Ion	Ratio	Lower	Upper
91	100		
120	23.9	0.0	54.5

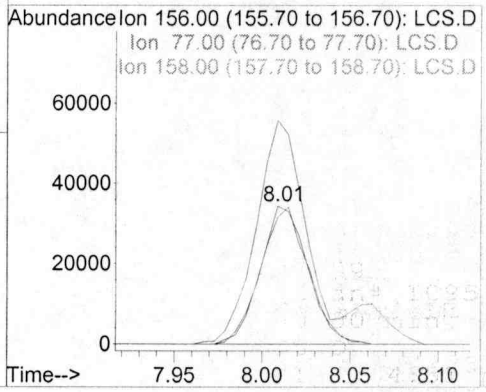


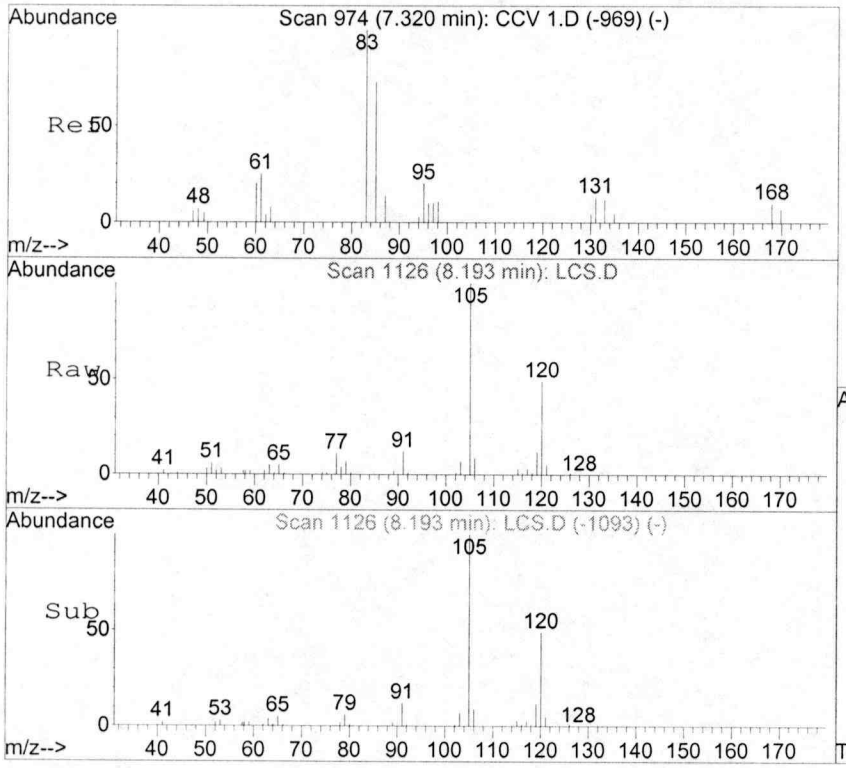


#60
Bromobenzene
Concen: 93.37 ng
RT: 8.01 min Scan# 1095
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:156 Resp: 64595

Ion	Ratio	Lower	Upper
156	100		
77	160.5	107.4	167.4
158	91.8	66.0	126.0

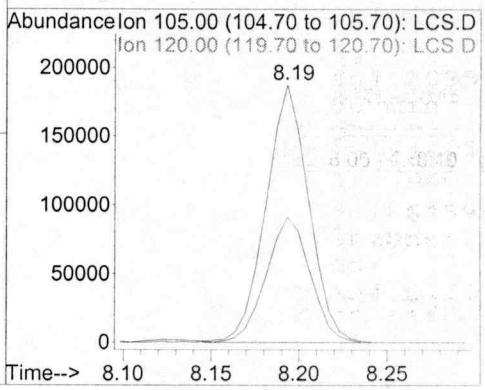


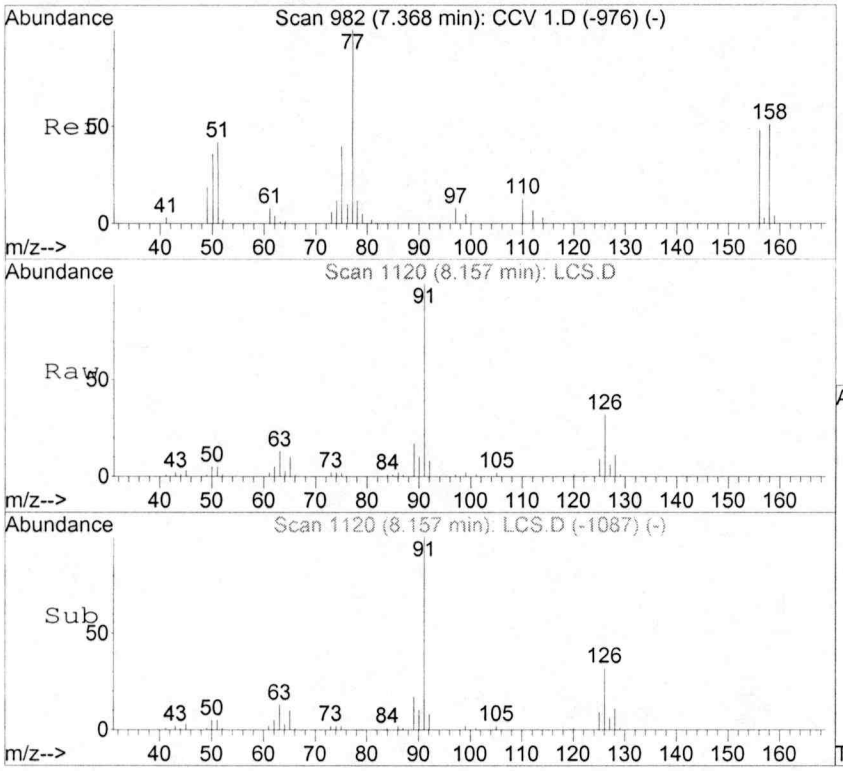


#61
1,3,5-Trimethylbenzene
Concen: 120.04 ng
RT: 8.19 min Scan# 1126
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:105 Resp: 315562

Ion	Ratio	Lower	Upper
105	100		
120	48.7	23.6	83.6

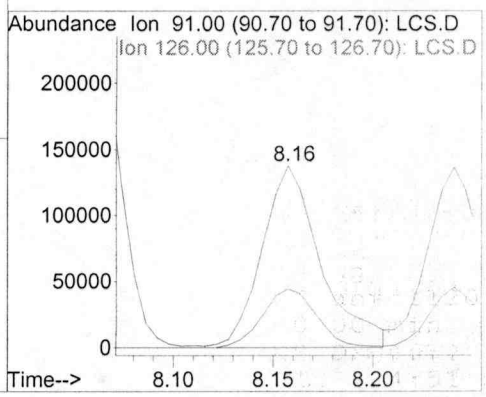


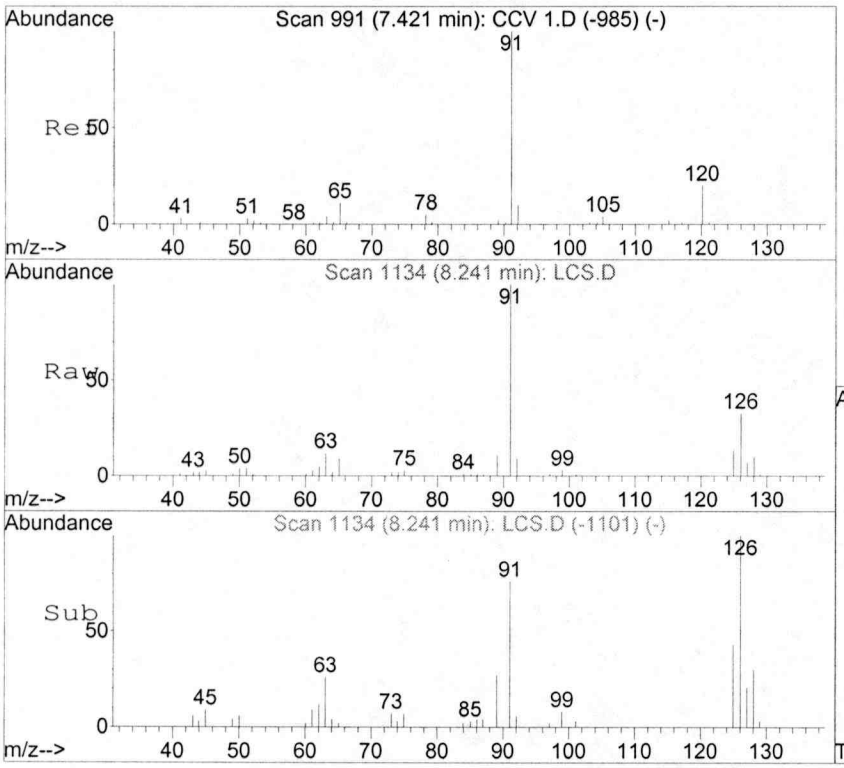


#62
2-Chlorotoluene
Concen: 114.34 ng
RT: 8.16 min Scan# 1120
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 91 Resp: 279526

Ion	Ratio	Lower	Upper
91	100		
126	32.3	7.1	67.1

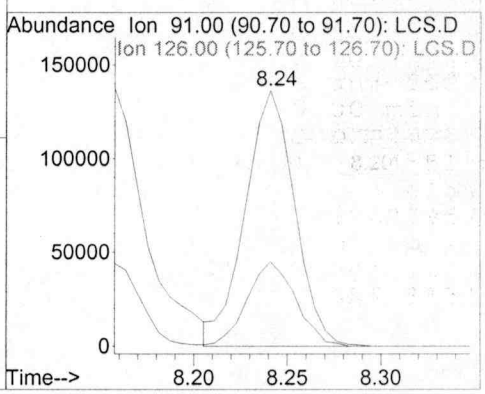


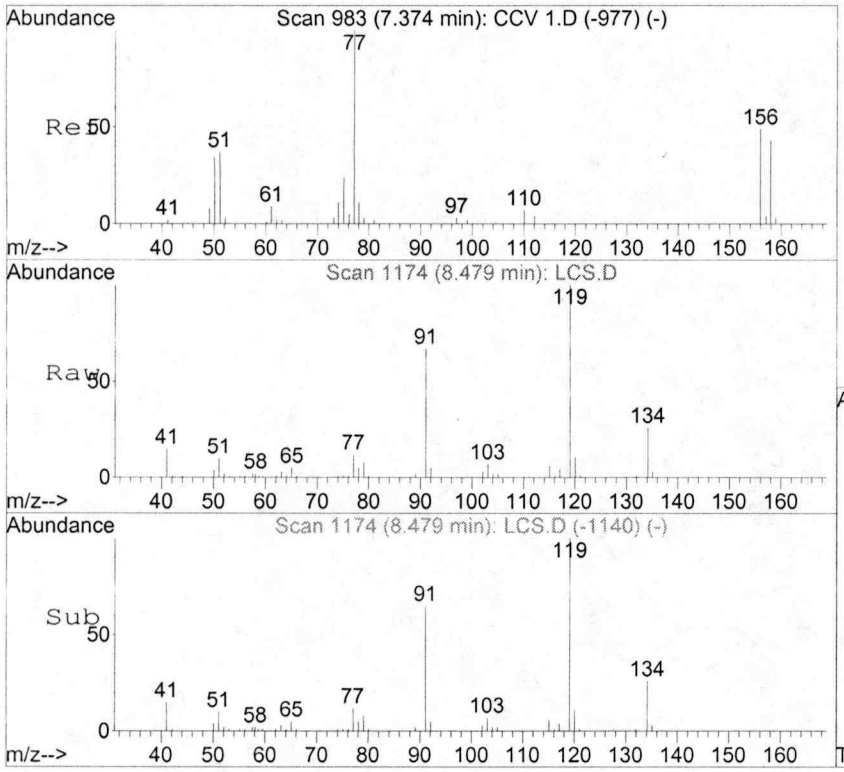


#63
4-Chlorotoluene
Concen: 113.93 ng
RT: 8.24 min Scan# 1134
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 91 Resp: 249458

Ion	Ratio	Lower	Upper
91	100		
126	33.0	3.3	63.3

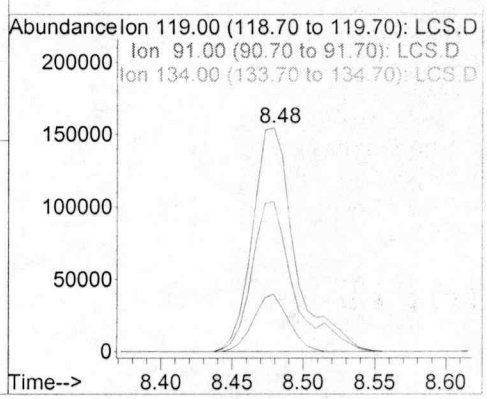


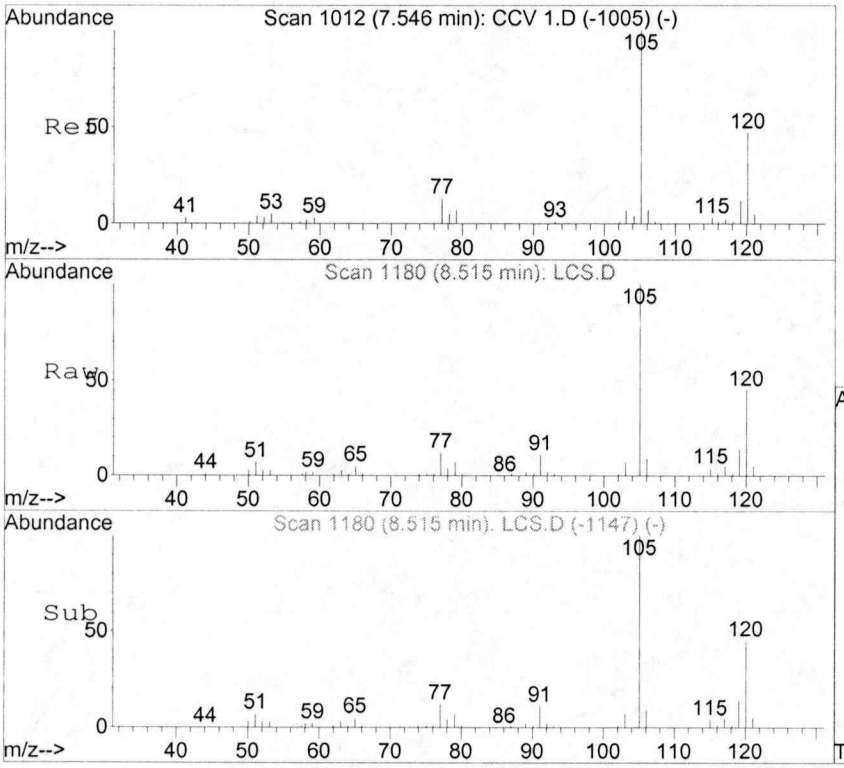


#64
tert-Butylbenzene
Concen: 113.47 ng
RT: 8.48 min Scan# 1174
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:119 Resp: 319934

Ion	Ratio	Lower	Upper
119	100		
91	67.1	28.8	88.8
134	25.7	0.0	55.4

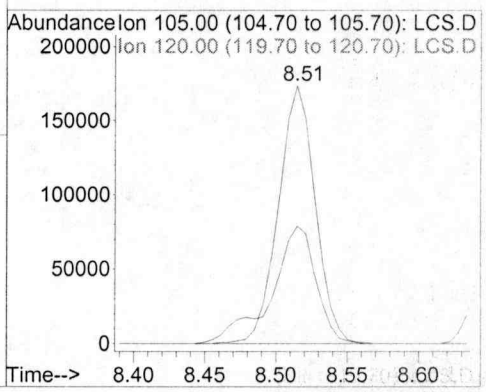


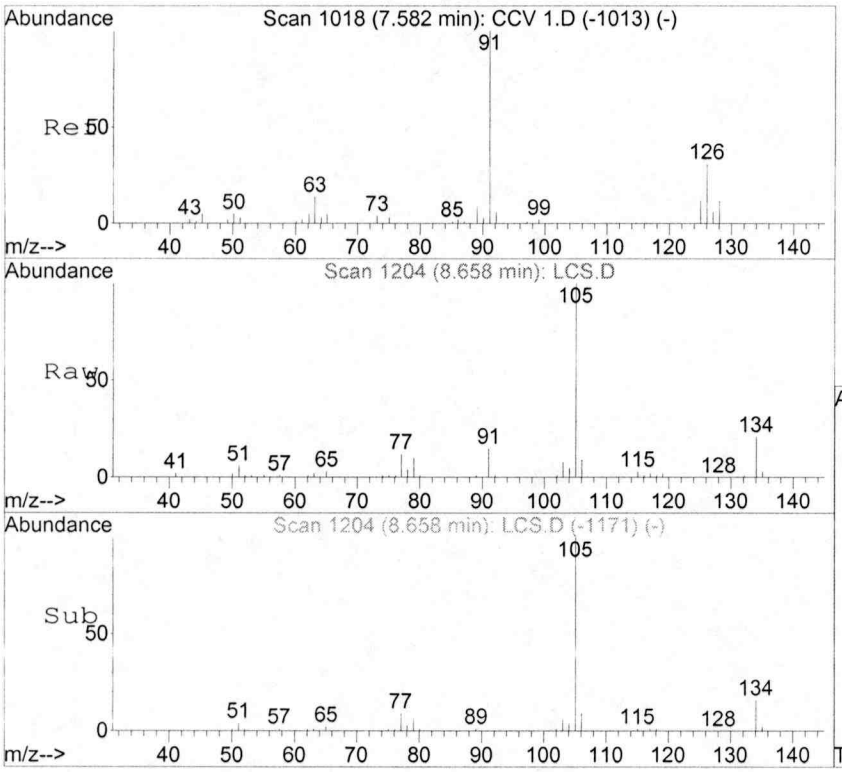


#65
1,2,4-Trimethylbenzene
Concen: 125.27 ng
RT: 8.51 min Scan# 1180
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:105 Resp: 310927

Ion	Ratio	Lower	Upper
105	100		
120	45.4	21.3	81.3

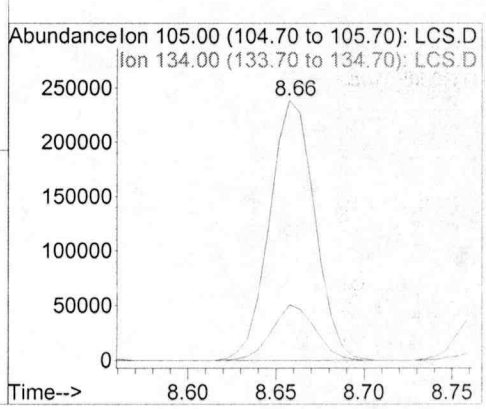


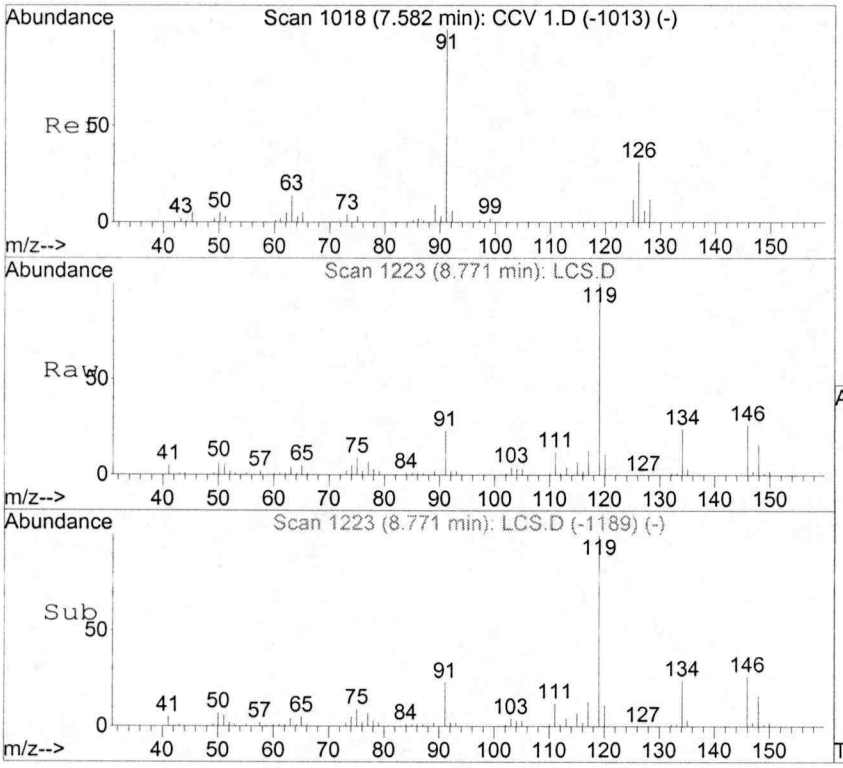


#66
sec-Butylbenzene
Concen: 116.73 ng
RT: 8.66 min Scan# 1204
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:105 Resp: 422497

Ion	Ratio	Lower	Upper
105	100		
134	21.3	0.0	51.7

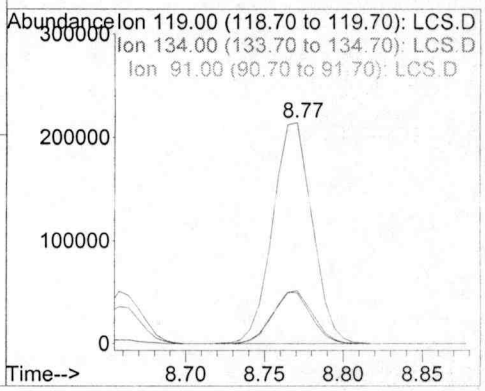


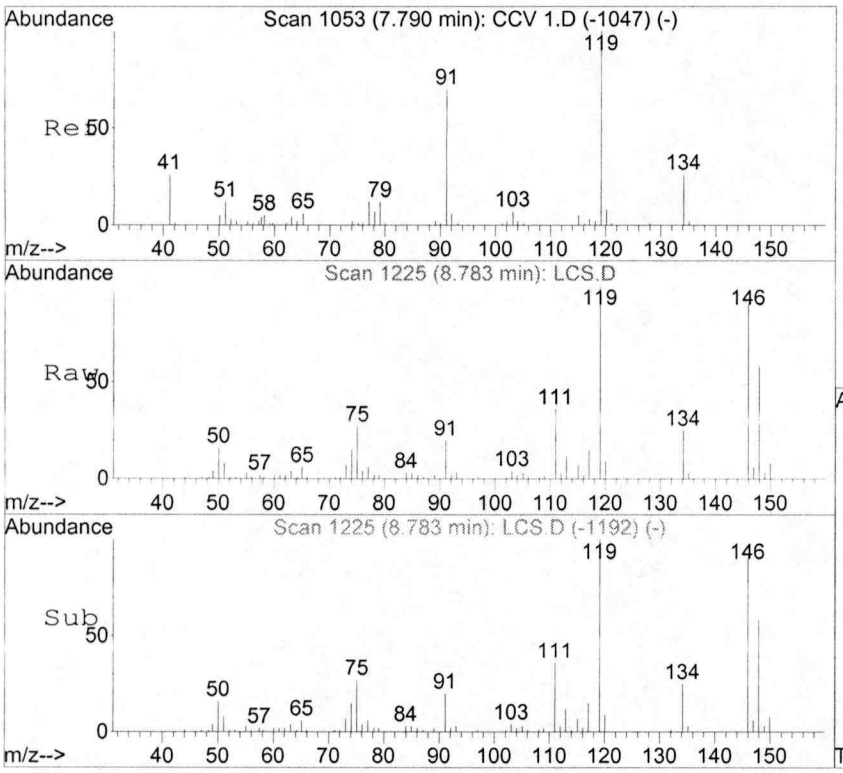


#67
p-Isopropyltoluene
Concen: 126.67 ng
RT: 8.77 min Scan# 1223
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:119 Resp: 377135

Ion	Ratio	Lower	Upper
119	100		
134	24.1	0.0	58.2
91	23.1	0.0	52.0

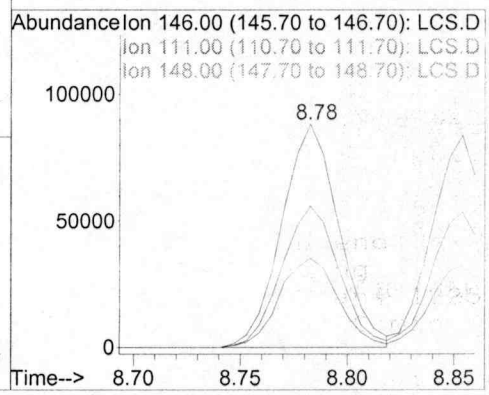


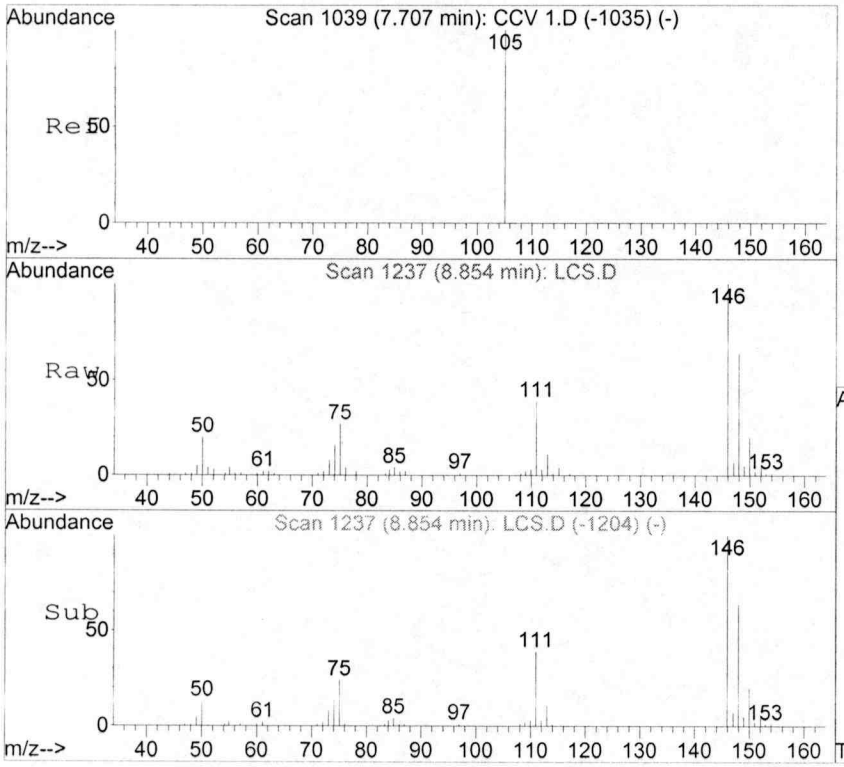


#68
1,3-Dichlorobenzene
Concen: 101.95 ng
RT: 8.78 min Scan# 1225
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:146 Resp: 164006

Ion	Ratio	Lower	Upper
146	100		
111	40.0	9.5	69.5
148	63.4	34.2	94.2

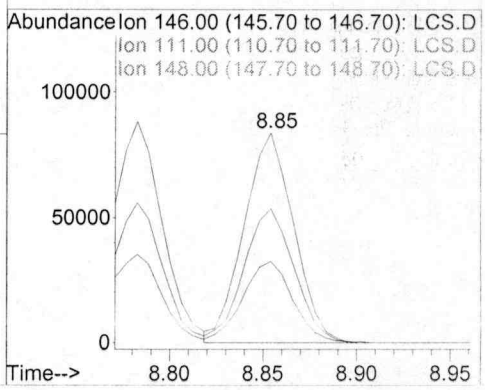


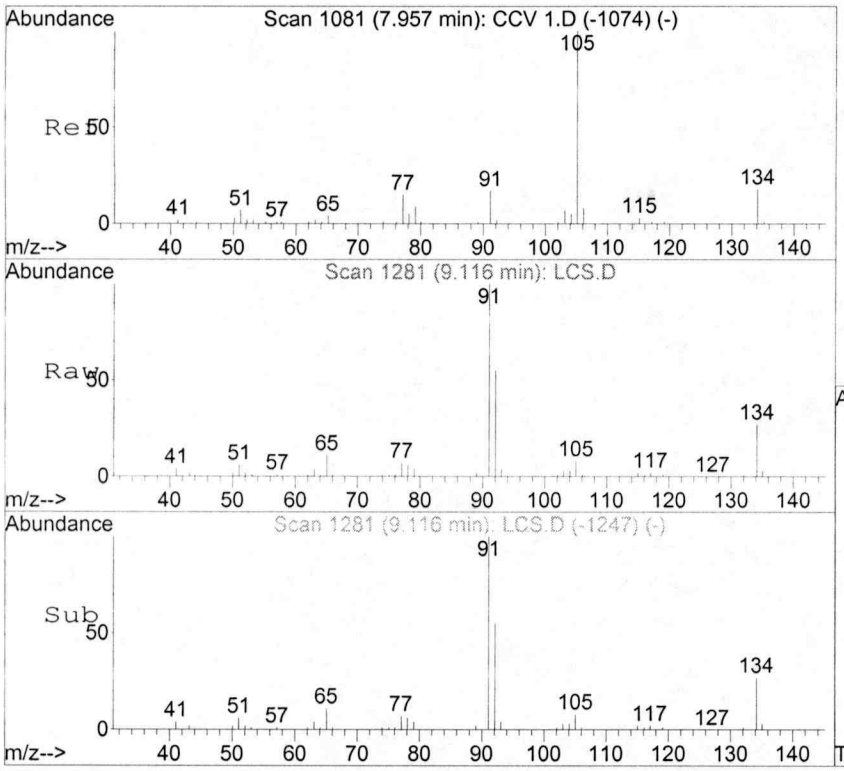


#69
1,4-Dichlorobenzene
Concen: 101.36 ng
RT: 8.85 min Scan# 1237
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:146 Resp: 154675

Ion	Ratio	Lower	Upper
146	100		
111	38.7	3.3	63.3
148	63.9	35.5	95.5

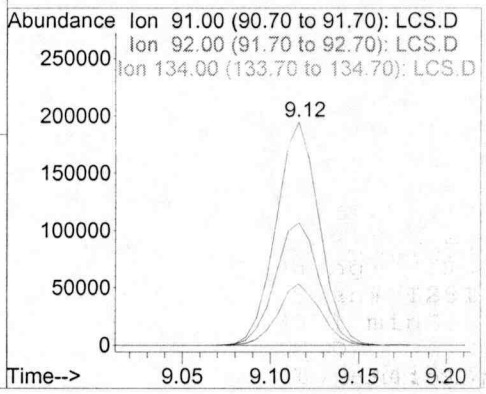


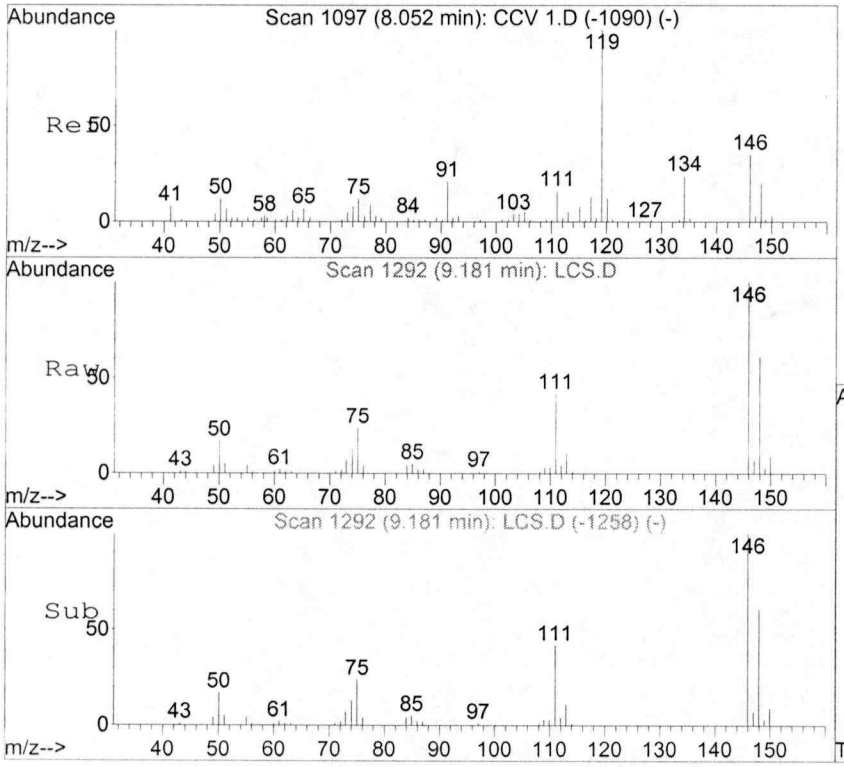


#70
n-Butylbenzene
Concen: 124.94 ng
RT: 9.12 min Scan# 1281
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 91 Resp: 331592

Ion	Ratio	Lower	Upper
91	100		
92	54.9	25.5	85.5
134	27.4	0.0	59.4

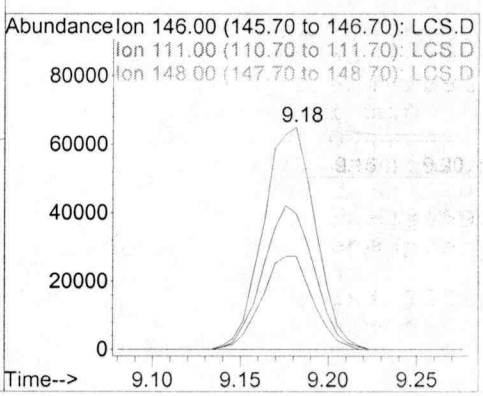


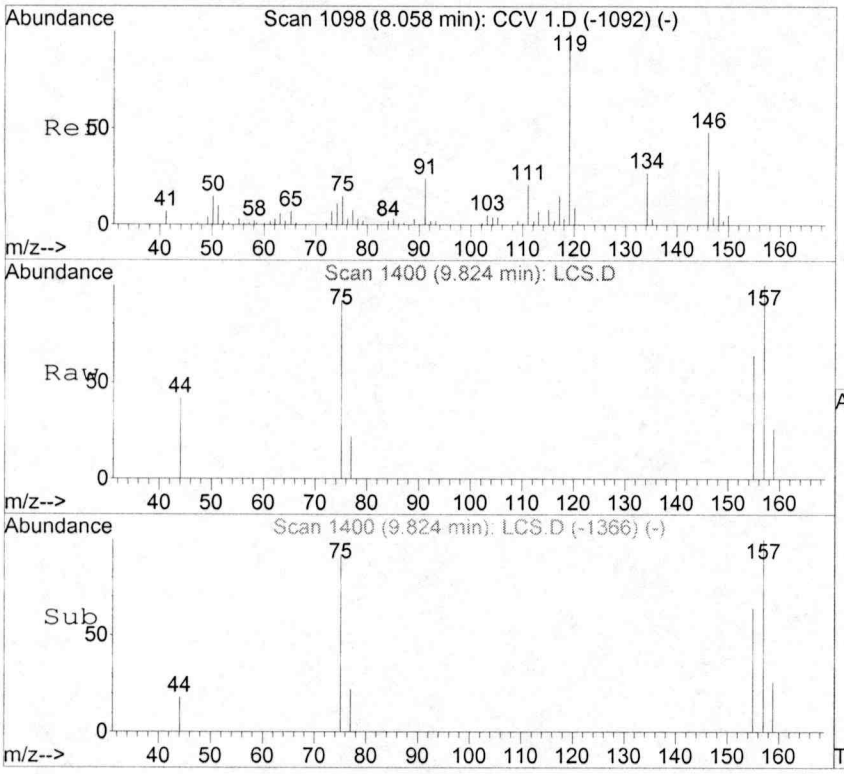


#71
1,2-Dichlorobenzene
Concen: 102.65 ng
RT: 9.18 min Scan# 1292
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:146 Resp: 133622

Ion	Ratio	Lower	Upper
146	100		
111	42.1	7.6	67.6
148	61.1	31.9	91.9

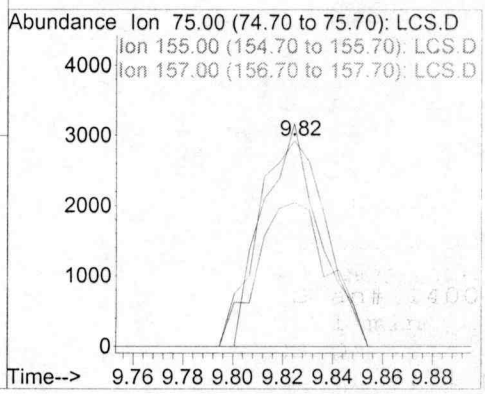


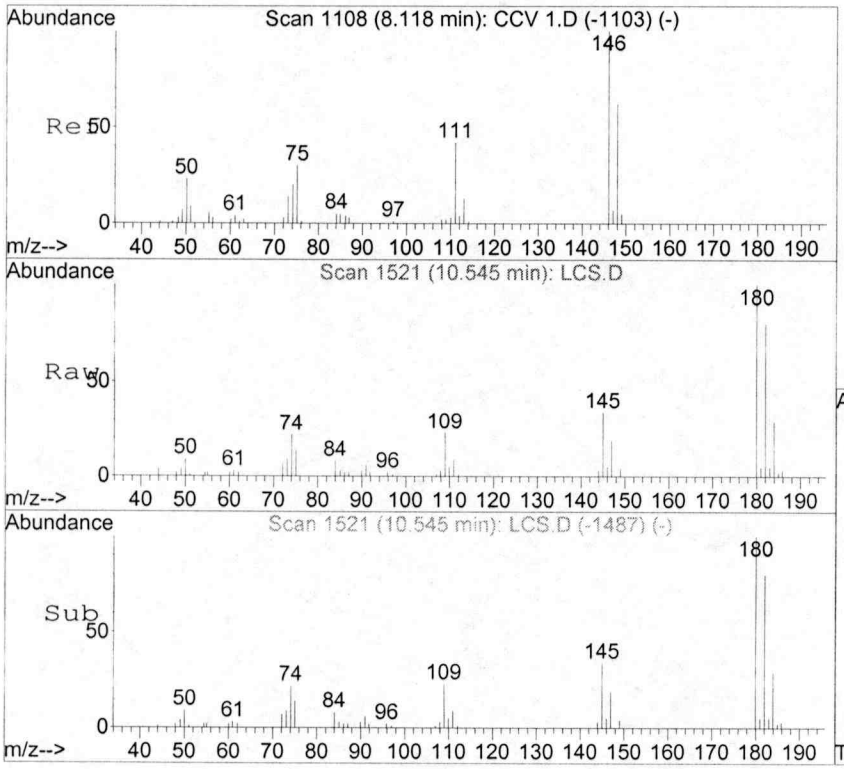


#72
1,2-Dibromo-3-chloropropane
Concen: 134.28 ng
RT: 9.82 min Scan# 1400
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 75 Resp: 5613

Ion	Ratio	Lower	Upper
75	100		
155	69.8	49.1	109.1
157	108.4	61.3	121.3

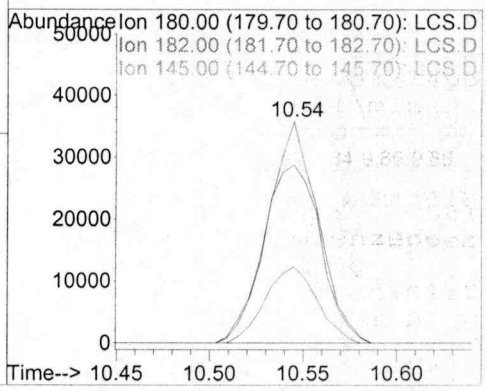


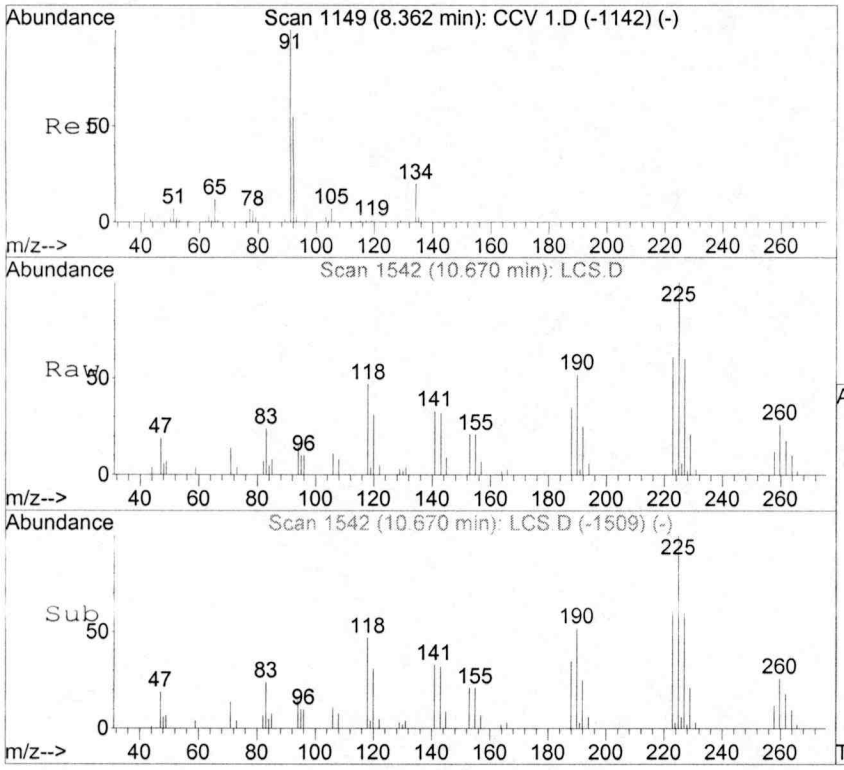


#73
1,2,4-Trichlorobenzene
Concen: 105.19 ng
RT: 10.54 min Scan# 1521
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:180 Resp: 67384

Ion	Ratio	Lower	Upper
180	100		
182	80.5	68.1	128.1
145	34.5	4.5	64.5

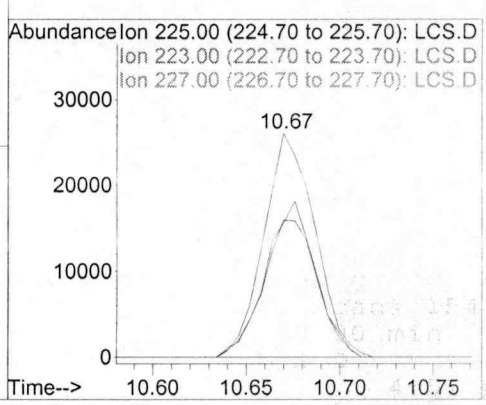


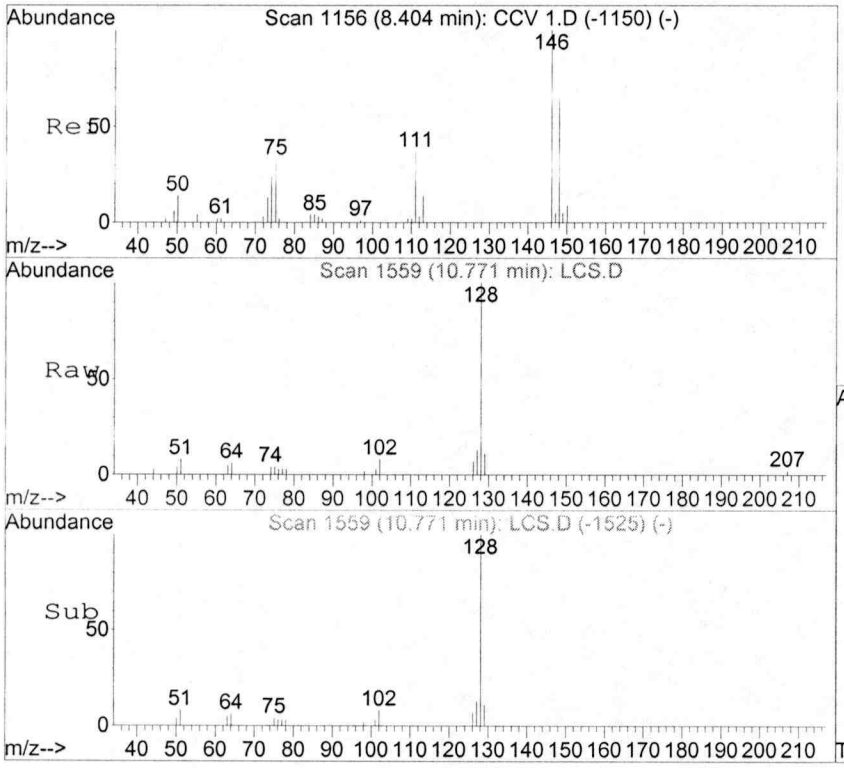


#74
Hexachlorobutadiene
Concen: 99.28 ng
RT: 10.67 min Scan# 1542
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:225 Resp: 49325

Ion	Ratio	Lower	Upper
225	100		
223	61.2	37.7	97.7
227	59.9	40.9	100.9

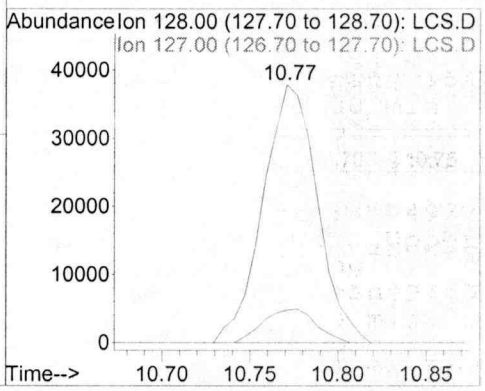


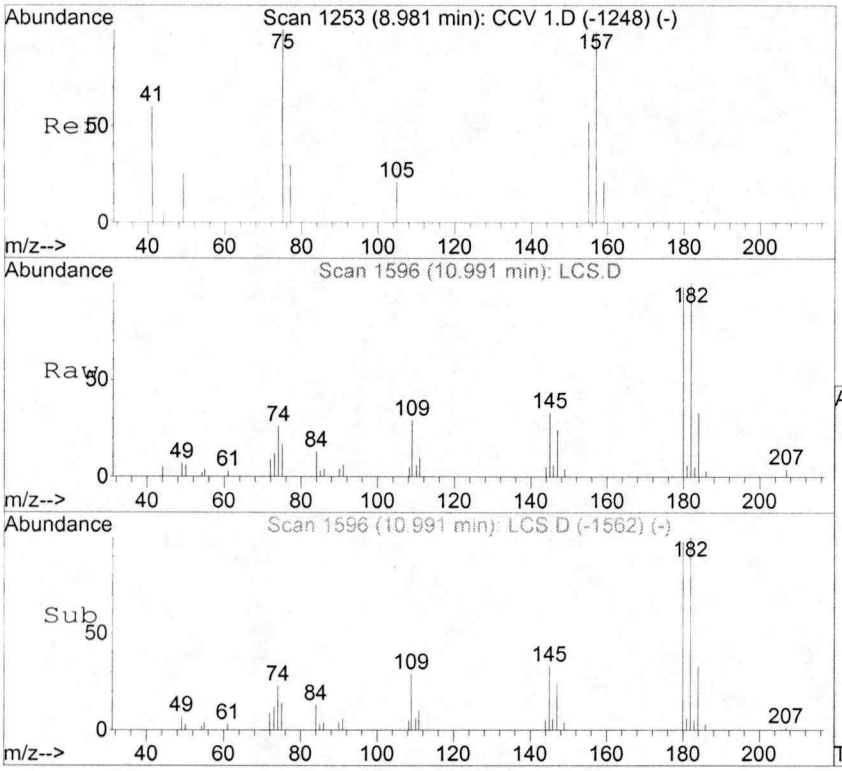


#75
Naphthalene
Concen: 91.65 ng
RT: 10.77 min Scan# 1559
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:128 Resp: 81221

Ion	Ratio	Lower	Upper
128	100		
127	12.7	0.0	31.5

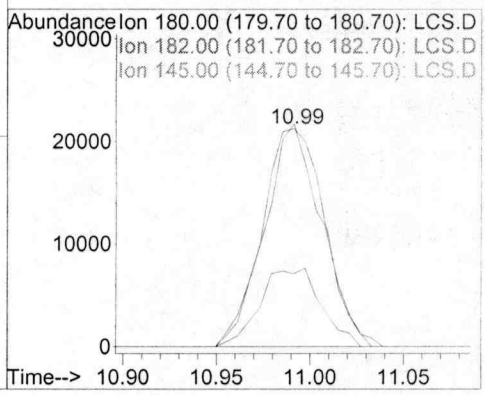


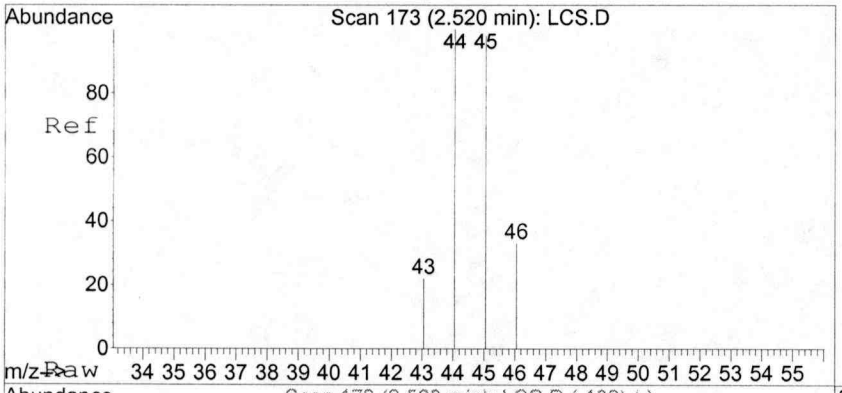


#76
1,2,3-Trichlorobenzene
Concen: 105.60 ng
RT: 10.99 min Scan# 1596
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion:180 Resp: 49345

Ion	Ratio	Lower	Upper
180	100		
182	102.1	71.2	111.2
145	33.4	7.1	47.1

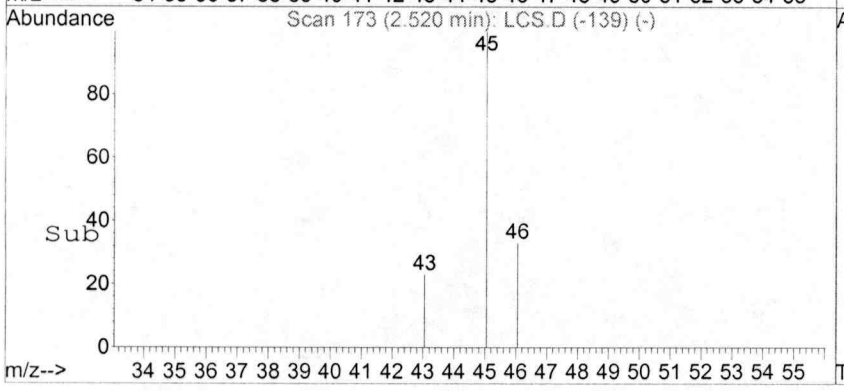


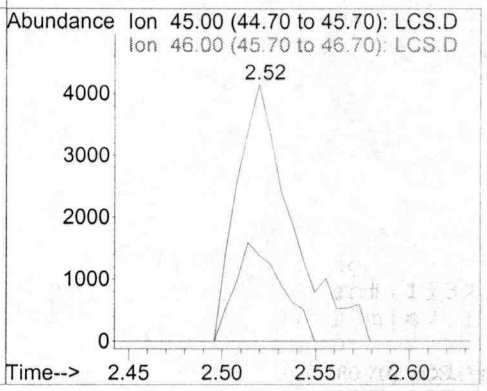


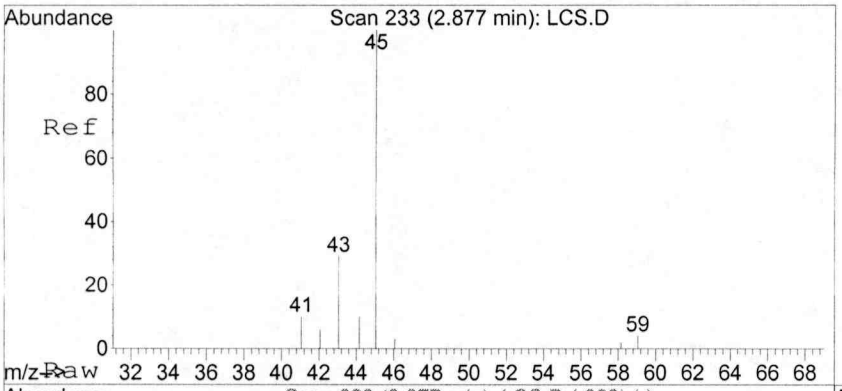
#78
Ethanol
Concen: 3364.73 ng
RT: 2.52 min Scan# 173
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 45 Resp: 8541

Ion	Ratio	Lower	Upper
45	100		
46	0.0	0.0	0.0



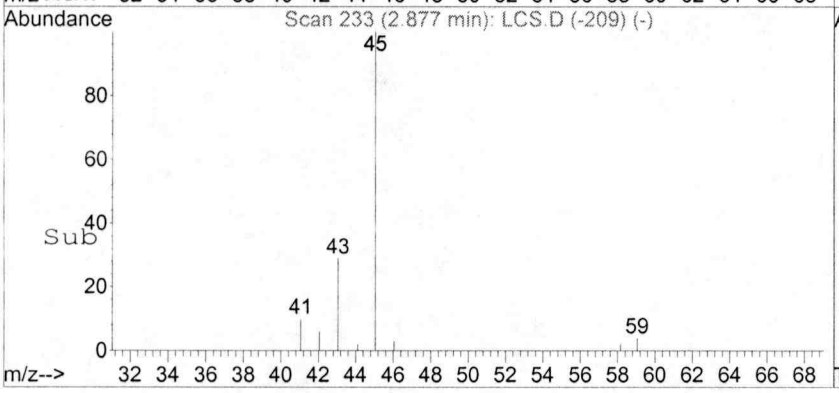


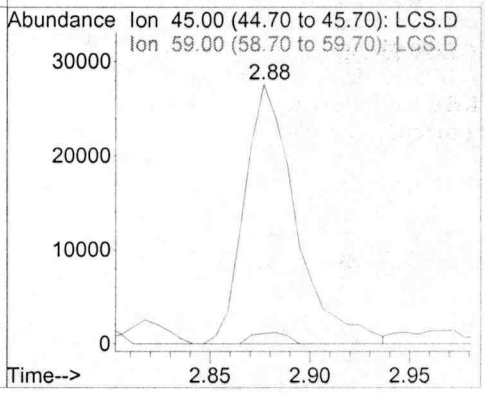


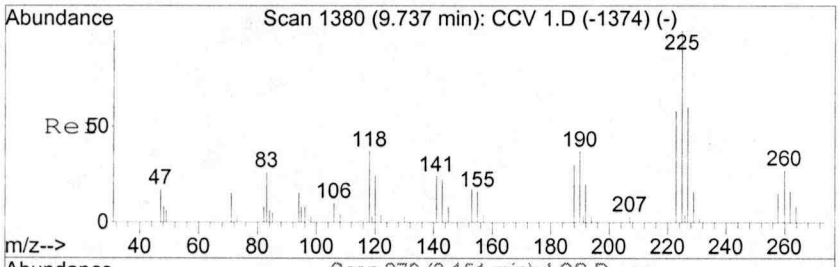
#79
Isopropyl Alcohol (IPA)
Concen: 3305.98 ng
RT: 2.88 min Scan# 233
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

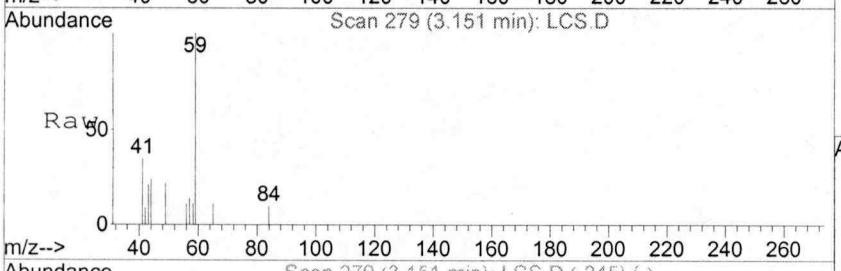
Tgt Ion: 45 Resp: 49204

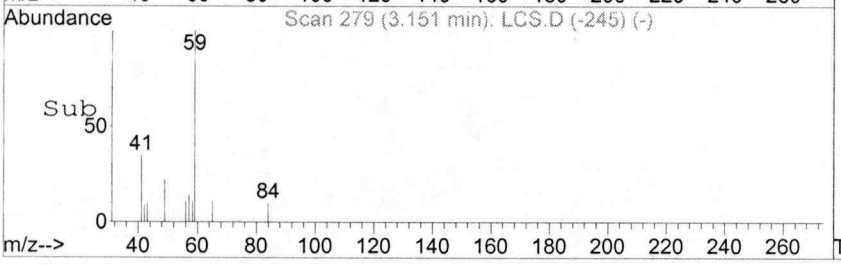
Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	0.0



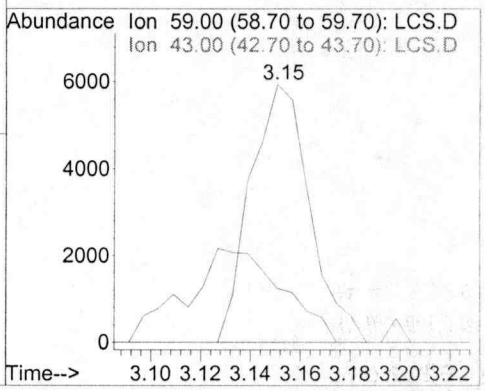








#80
t-Butanol *
Concen: 349.29 ng
RT: 3.15 min Scan# 279
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 14 Nov 2013 4:51 pm

Tgt Ion: 59 Resp: 9842

Ion	Ratio	Lower	Upper
59	100		
43	21.0	0.0	55.3