AMEC

PALOMAR STREET (NB1016075P)

H&P PROJECT # AEE111313-SB1

LEVEL IV DATA PACKAGE

ANALYTICAL DATA
11/15/13

8260 ANALYSIS LOG

Lab #: **SB1**
GC/MS#3

Client(s): **AMEC**

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

Page: **1** of **1**
Operator: *CS*
Date: **11/15/2013**

Work Order(s): **E311055** **Matrix Spike:** Soil Sample:
Water Sample:
Balance: 10g (Serial # 08-J45023-9)

Ical Method(s): **111213Vapor**
Analyses: **8260 VOC+Oxy**
Batch #'s: **EK31501**

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**

Workorder Number	Syr. ID	sample matrix	sample wt./vol.	solvent volume	injection volume	dilution factor	H_2O pH	Cont Syringe#
Rinse			20mL			0.05		
Rinse			20mL			0.05		
CCV1			20mL			0.05		
CCV2			20mL			0.05		
Rinse		Vapor	20mL			0.05		
CCV3		Vapor	20mL			0.05		
CCV4		Vapor	20mL			0.05		
		Vapor	100mL			0.01		
EK31501-BLK1		Vapor	100mL			0.01		
E311055-01		Vapor	100mL			0.01		
E311055-02		Vapor	100mL			0.01		
E311055-03		Vapor	100mL			0.01		
E311055-04		Vapor	100mL			0.01		
E311055-05		Vapor	100mL			0.01		
E311055-06		Vapor	100mL			0.01		
E311055-07		Vapor	100mL			0.01		
E311055-08		Vapor	100mL			0.01		
E311055-09		Vapor	100mL			0.01		
E311055-10		Vapor	100mL			0.01		
E311055-11		Vapor	100mL			0.01		
E311055-12		Vapor	100mL			0.01		
E311055-13		Vapor	100mL			0.01		
E311055-14		Vapor	100mL			0.01		
E311055-15		Vapor	100mL			0.01		
EK31501-BS1			20mL			0.05		

Run Log

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

stn/ vial #	Sample Name	Data File Name	Comments
1	Rinse 1	Rinse 1	not used
2	Rinse 2	Rinse 2	Use for tune only
3	50ug/ml CCV 1	50ug/ml CCV 1	not used
4	50ug/ml CCV 2	50ug/ml CCV 2	not used
5	Rinse a	Rinse a	not used
6	50ug/ml CCV 3	50ug/ml CCV 3	not used
7	50ug/ml CCV 4	50ug/ml CCV 4	OK
8	BLK	BLK	not used
9	BLK1	BLK1	OK
10	8-SV-3	8-SV-3	
11	9-SV-15	9-SV-15	
12	9-SV-5	9-SV-5	
13	7-SV-5	7-SV-5	
14	7-SV-15	7-SV-15	
15	6-SV-3	6-SV-3	
16	1-SV-5	1-SV-5	
17	1-SV-5 Rep	1-SV-5 Rep	
18	4-SV-15	4-SV-15	
19	4-SV-5	4-SV-5	
20	11-SV-15	11-SV-15	
21	11-SV-5	11-SV-5	
22	15-SV-15	15-SV-15	
23	15-SV-5	15-SV-5	
24	1-SV-10	1-SV-10	
25	LCS	LCS	

Analyst Initials CJ Date 11-15-13

Footnotes: RR=rerun, OR=overrange

INTERNAL STANDARD SUMMARY LOG FOR 8260 ANALYSIS

H&P Project # AEE111313-SB1

Date: 11/15/13

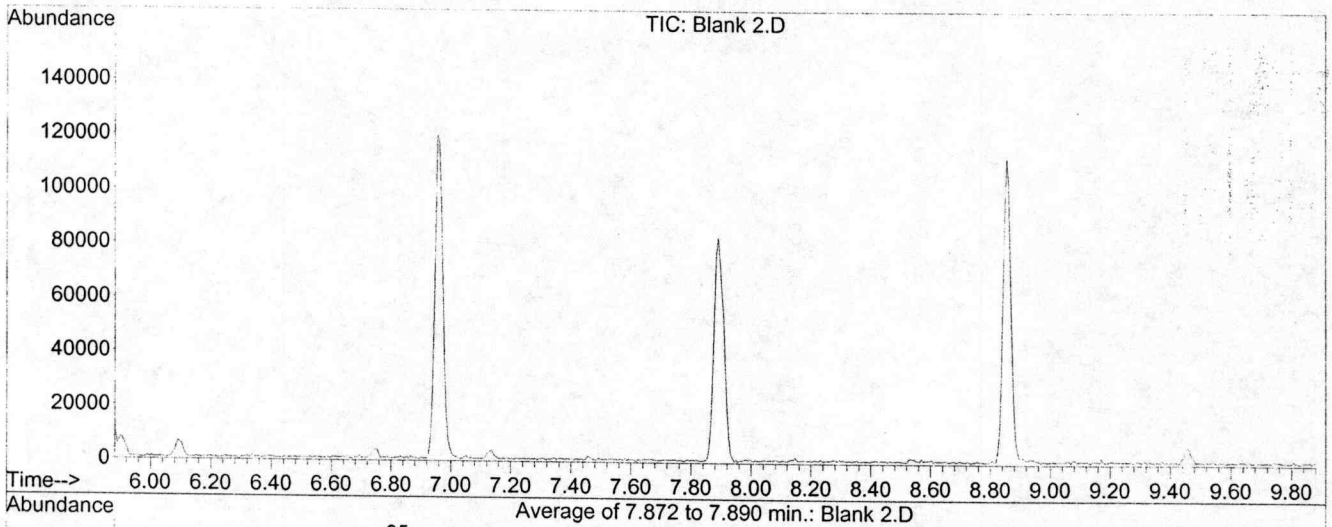
Client Sample Name	Sample Name	Fluorobenzene		Chlorobenzene - d5		1,4-Dichlorobenzene - d4		tBA - d9	
		R.T.	Response	R.T.	Response	R.T.	Response	R.T.	Response
11-SV-15.D	E311055-11	4.73	119864.00	6.94	45600	8.84	41773	3.11	18203
11-SV-5.D	E311055-12	4.74	91695.00	6.94	33670	8.84	30204	3.1	14947
15-SV-15.D	E311055-13	4.73	89576.00	6.94	34481	8.83	29622	3.1	14194
15-SV-5.D	E311055-14	4.73	83213.00	6.94	29706	8.84	26307	3.1	13769
1-SV-10.D	E311055-15	4.73	123447.00	6.94	45117	8.84	39227	3.09	13534
1-SV-5 Rep.D	E311055-08	4.74	103258.00	6.94	37051	8.84	30703	3.1	16102
1-SV-5.D	E311055-07	4.73	104582.00	6.95	35104	8.84	31429	3.1	15558
4-SV-15.D	E311055-09	4.73	93573.00	6.95	35177	8.84	31676	3.1	17516
4-SV-5.D	E311055-10	4.73	90282.00	6.95	31960	8.85	30708	3.1	15279
6-SV-3.D	E311055-06	4.73	107680.00	6.95	37376	8.84	32090	3.11	15631
7-SV-15.D	E311055-05	4.73	100326.00	6.94	41248	8.84	34996	3.1	15419
7-SV-5.D	E311055-04	4.74	101937.00	6.94	35252	8.84	32179	3.1	15635
8-SV-3.D	E311055-01	4.73	98874.00	6.94	32998	8.84	29325	3.1	12928
9-SV-15.D	E311055-02	4.73	96956.00	6.94	31711	8.84	28061	3.1	14538
9-SV-5.D	E311055-03	4.73	111364.00	6.94	40451	8.84	36523	3.1	13610
BLK1.D	EK31501-BLK1	4.73	107452.00	6.94	37580	8.83	30173	3.09	15315
CCV4.D	50ug/ml CCV	4.73	122495.00	6.94	42909	8.83	41094	3.1	14764
LCS.D	EK31501-BS1	4.73	116067.00	6.94	40151	8.83	40519	3.1	12909

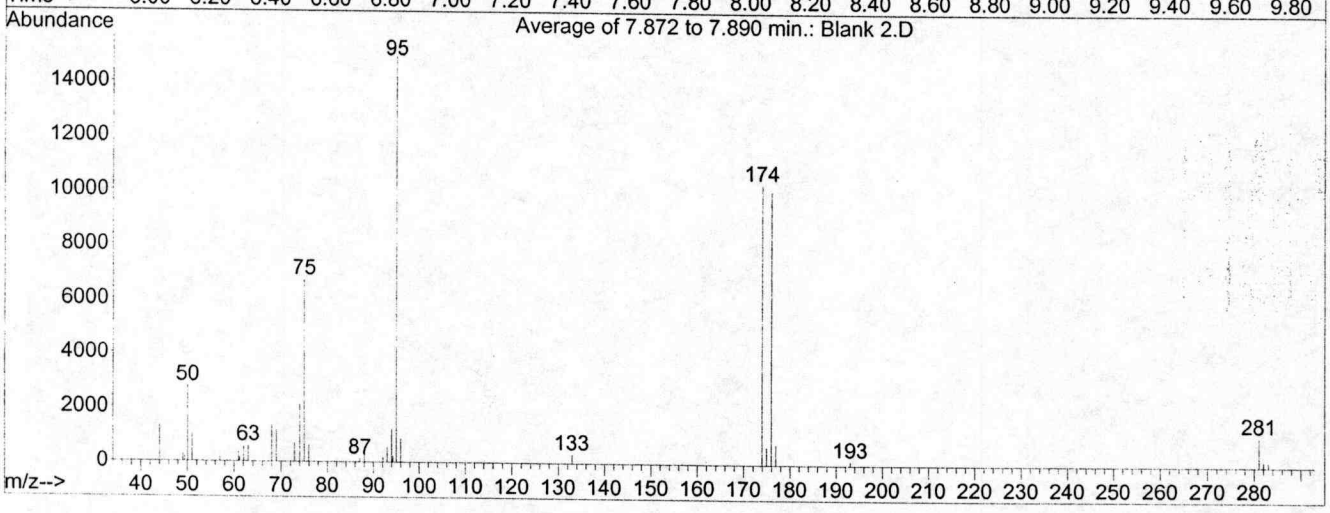
Acceptance Range minimum	4.67	83,014	6.88	27,123	8.77	28,606	3.04	9,133
Acceptance Range maximum	4.79	332,056	7.00	108,492	8.89	114,424	3.16	36,530

Data Path : E:\data\111513\
Data File : Blank 2.D
Acq On : 15 Nov 2013 5:23 am
Operator : CS
Sample : Blank
Misc :
ALS Vial : 2 Sample Multiplier: 1

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: Average of 7.872 to 7.890 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	2759	PASS
75	95	30	60	44.9	6710	PASS
95	95	100	100	100.0	14942	PASS
96	95	5	9	5.9	883	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.0	10308	PASS
175	174	5	9	6.4	659	PASS
176	174	95	101	97.7	10071	PASS
177	176	5	9	7.6	762	PASS

Evaluate Continuing Calibration Report

Data Path : E:\data\111513\
Data File : CCV4.D
Acq On : 15 Nov 2013 7:49 am
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 7 Sample Multiplier: 1

OK
#66 + #67 high

Quant Time: Nov 15 08:56:26 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	74	0.00
2		1,1-Difluoroethane	0.162	0.134	17.3	65	0.00
3	T	Dichlorodifluoromethane	0.358	0.340	5.0	68	0.00
4	TP	Chloromethane	0.427	0.352	17.6	60	0.00
5	TC	Vinyl Chloride	0.327	0.293	10.4	62	0.00
6	T	Bromomethane	0.199	0.172	13.6	67	0.02
7	T	Chloroethane	0.196	0.175	10.7	64	0.01
8	T	Trichlorofluoromethane	0.476	0.526	-10.5	80	0.00
9	TC	1,1-Dichloroethene	0.250	0.238	4.8	68	0.00
10	T	Freon-113	0.295	0.296	-0.3	71	0.00
11		acetone	0.056	0.028	~~50.0~~	57	0.00
12	T	Methylene Chloride	0.213	0.201	5.6	71	0.00
13	T	MTBE*	0.292	0.311	-6.5	82	0.00
14	T	trans-1,2-Dichloroethene	0.269	0.257	4.5	71	0.00
15		Diisopropyl ether*	0.632	0.610	3.5	69	0.00
16	TP	1,1-Dichloroethane	0.472	0.493	-4.4	75	0.00
17		Ethyl-t-butyl ether*	0.527	0.466	11.6	71	0.00
18	T	2,2-Dichloropropane	0.398	0.468	-17.6	84	0.00
19		2-Butanone	0.008	0.008	0.0	70	0.00
20	T	cis-1,2-Dichloroethene	0.263	0.278	-5.7	75	0.00
21	TC	Chloroform	0.409	0.454	-11.0	81	0.00
22	T	Bromochloromethane	0.100	0.088	12.0	69	0.00
23	T	1,1,1-Trichloroethane	0.447	0.478	-6.9	77	0.00
24	S	Dibromofluoromethane	0.189	0.173	8.5	72	0.00
25	T	1,1-Dichloropropene	0.360	0.385	-6.9	79	0.00
26	T	Carbon Tetrachloride	0.441	0.424	3.9	74	0.00
27	S	1,2-Dichloroethane-d4	0.178	0.200	-12.4	92	0.00
28	T	1,2-Dichloroethane	0.209	0.233	-11.5	77	0.00
29		TAME* (2-methoxy-2-methylbu	0.339	0.338	0.3	76	0.00
30	TM	Benzene*	0.999	1.005	-0.6	72	0.00
31	TM	Trichloroethene	0.288	0.292	-1.4	75	0.00
32	TC	1,2-Dichloropropane	0.225	0.207	8.0	68	0.00
33	T	Bromodichloromethane	0.246	0.254	-3.3	78	0.00
34	T	Dibromomethane	0.078	0.077	1.3	71	0.00
35	T	cis-1,3-Dichloropropene	0.255	0.252	1.2	79	0.00
36		Methyl Isobutyl Ketone	0.090	0.086	4.4	68	0.00
37	S	Toluene-d8	0.867	0.923	-6.5	75	0.00
38	TMC	Toluene*	0.736	0.724	1.6	74	0.00
39	T	trans-1,3-Dichloropropene	0.200	0.200	0.0	77	0.00
40	T	1,1,2-Trichloroethane	0.099	0.096	3.0	71	0.00
41		2-Hexanone	0.059	0.056	5.1	66	0.00
42	T	1,2-Dibromoethane	0.108	0.106	1.9	73	0.01
43	I	Chlorobenzene-D5	1.000	1.000	0.0	79	0.00
44	T	1,3-Dichloropropane	0.612	0.567	7.4	70	0.00
45	T	Tetrachloroethene	0.868	0.775	10.7	65	0.00
46	T	Dibromochloromethane	0.466	0.432	7.3	73	0.00
47	TMP	Chlorobenzene	2.132	2.039	4.4	72	0.00
48	TC	Ethylbenzene*	1.124	1.087	3.3	73	0.00

Evaluate Continuing Calibration Report

Data Path : E:\data\111513\
Data File : CCV4.D
Acq On : 15 Nov 2013 7:49 am
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 08:56:26 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	0.647	6.4	71	0.00
50	T	m,p-Xylene*	1.496	1.540	-2.9	73	0.00
51	T	o-Xylene*	1.312	1.377	-5.0	78	0.00
52	T	Styrene	1.896	2.035	-7.3	77	0.00
53	TP	Bromoform	0.219	0.193	11.9	71	0.00
54	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	72	0.00
55	S	4-Bromofluorobenzene	0.705	0.721	-2.3	73	0.00
56	T	Isopropylbenzene	3.329	3.782	-13.6	79	0.00
57	TP	1,1,2,2-Tetrachloroethane	0.400	0.338	15.5	67	0.00
58	T	1,2,3-Trichloropropane	0.360	0.355	1.4	73	0.00
59	T	n-Propylbenzene	4.412	5.313	-20.4	79	0.00
60	T	Bromobenzene	0.804	0.743	7.6	69	0.00
61	T	1,3,5-Trimethylbenzene	3.055	3.672	-20.2	79	0.00
62	T	2-Chlorotoluene	2.841	3.353	-18.0	82	0.00
63	T	4-Chlorotoluene	2.544	2.963	-16.5	79	0.00
64	T	tert-Butylbenzene	3.276	3.709	-13.2	78	0.00
65	T	1,2,4-Trimethylbenzene	2.884	3.448	-19.6	79	0.00
66	T	sec-Butylbenzene	4.206	5.180	H -23.2	80	0.00
67	T	p-Isopropyltoluene	3.460	4.284	H -23.8	78	0.00
68	T	1,3-Dichlorobenzene	1.869	1.963	-5.0	72	0.00
69	T	1,4-Dichlorobenzene	1.773	1.842	-3.9	73	0.00
70	T	n-Butylbenzene	3.084	3.675	-19.2	77	0.00
71	T	1,2-Dichlorobenzene	1.513	1.537	-1.6	74	0.00
72	T	1,2-Dibromo-3-chloropropane	0.047	0.044	6.4	65	0.00
73	T	1,2,4-Trichlorobenzene	0.744	0.761	-2.3	82	0.00
74	T	Hexachlorobutadiene	0.577	0.587	-1.7	75	0.00
75	T	Naphthalene	0.889	0.893	-0.4	88	0.01 LR
76	T	1,2,3-Trichlorobenzene	0.543	0.567	-4.4	81	0.00
77	I	TBA-d9	1.000	1.000	0.0	81	0.00
78		Ethanol	0.145	0.160	-10.3	79	0.00
79		Isopropyl Alcohol (IPA)	0.853	0.676	20.8	63	0.00
80	T	t-Butanol *	1.572	1.378	12.3	78	0.00 LR

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

Evaluate Continuing Calibration Report

Data Path : E:\data\111513\
Data File : CCV4.D
Acq On : 15 Nov 2013 7:49 am
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Ok

Quant Time: Nov 15 08:56:26 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	74	0.00
2		1,1-Difluoroethane	50.000	41.210	17.6	65	0.00
3	T	Dichlorodifluoromethane	50.000	47.486	5.0	68	0.00
4	TP	Chloromethane	50.000	41.280	17.4	60	0.00
5	TC	Vinyl Chloride	50.000	44.817	10.4	62	0.00
6	T	Bromomethane	50.000	43.150	13.7	67	0.02
7	T	Chloroethane	50.000	44.494	11.0	64	0.01
8	T	Trichlorofluoromethane	50.000	55.272	-10.5	80	0.00
9	TC	1,1-Dichloroethene	50.000	47.564	4.9	68	0.00
10	T	Freon-113	50.000	50.299	-0.6	71	0.00
11		acetone	500.000	226.853	54.6	57	0.00
12	T	Methylene Chloride	50.000	47.140	5.7	71	0.00
13	T	MTBE*	50.000	53.157	-6.3	82	0.00
14	T	trans-1,2-Dichloroethene	50.000	47.813	4.4	71	0.00
15		Diisopropyl ether*	50.000	48.275	3.5	69	0.00
16	TP	1,1-Dichloroethane	50.000	52.248	-4.5	75	0.00
17		Ethyl-t-butyl ether*	50.000	44.179	11.6	71	0.00
18	T	2,2-Dichloropropane	50.000	58.864	-17.7	84	0.00
19		2-Butanone	500.000	472.812	5.4	70	0.00
20	T	cis-1,2-Dichloroethene	50.000	52.992	-6.0	75	0.00
21	TC	Chloroform	50.000	55.518	-11.0	81	0.00
22	T	Bromochloromethane	50.000	43.988	12.0	69	0.00
23	T	1,1,1-Trichloroethane	50.000	53.481	-7.0	77	0.00
24	S	Dibromofluoromethane	50.000	45.763	8.5	72	0.00
25	T	1,1-Dichloropropene	50.000	53.498	-7.0	79	0.00
26	T	Carbon Tetrachloride	50.000	48.002	4.0	74	0.00
27	S	1,2-Dichloroethane-d4	50.000	56.373	-12.7	92	0.00
28	T	1,2-Dichloroethane	50.000	55.703	-11.4	77	0.00
29		TAME* (2-methoxy-2-methylbu	50.000	49.949	0.1	76	0.00
30	TM	Benzene*	50.000	50.280	-0.6	72	0.00
31	TM	Trichloroethene	50.000	50.754	-1.5	75	0.00
32	TC	1,2-Dichloropropane	50.000	45.986	8.0	68	0.00
33	T	Bromodichloromethane	50.000	51.509	-3.0	78	0.00
34	T	Dibromomethane	50.000	49.379	1.2	71	0.00
35	T	cis-1,3-Dichloropropene	50.000	49.402	1.2	79	0.00
36		Methyl Isobutyl Ketone	500.000	475.908	4.8	68	0.00
37	S	Toluene-d8	50.000	53.283	-6.6	75	0.00
38	TMC	Toluene*	50.000	49.193	1.6	74	0.00
39	T	trans-1,3-Dichloropropene	50.000	50.186	-0.4	77	0.00
40	T	1,1,2-Trichloroethane	50.000	48.185	3.6	71	0.00
41		2-Hexanone	500.000	473.772	5.2	66	0.00
42	T	1,2-Dibromoethane	50.000	48.686	2.6	73	0.01
43	I	Chlorobenzene-D5	50.000	50.000	0.0	79	0.00
44	T	1,3-Dichloropropane	50.000	46.338	7.3	70	0.00
45	T	Tetrachloroethene	50.000	44.645	10.7	65	0.00
46	T	Dibromochloromethane	50.000	46.391	7.2	73	0.00
47	TMP	Chlorobenzene	50.000	47.820	4.4	72	0.00
48	TC	Ethylbenzene*	50.000	48.355	3.3	73	0.00

Evaluate Continuing Calibration Report

Data Path : E:\data\111513\
Data File : CCV4.D
Acq On : 15 Nov 2013 7:49 am
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 08:56:26 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	46.816	6.4	71	0.00
50	T	m,p-Xylene*	100.000	102.977	-3.0	73	0.00
51	T	o-Xylene*	50.000	52.476	-5.0	78	0.00
52	T	Styrene	50.000	53.665	-7.3	77	0.00
53	TP	Bromoform	50.000	44.126	11.7	71	0.00
54	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	72	0.00
55	S	4-Bromofluorobenzene	50.000	51.122	-2.2	73	0.00
56	T	Isopropylbenzene	50.000	56.816	-13.6	79	0.00
57	TP	1,1,2,2-Tetrachloroethane	50.000	42.226	15.5	67	0.00
58	T	1,2,3-Trichloropropane	50.000	49.318	1.4	73	0.00
59	T	n-Propylbenzene	50.000	60.202	-20.4	79	0.00
60	T	Bromobenzene	50.000	46.216	7.6	69	0.00
61	T	1,3,5-Trimethylbenzene	50.000	60.107	-20.2	79	0.00
62	T	2-Chlorotoluene	50.000	59.014	-18.0	82	0.00
63	T	4-Chlorotoluene	50.000	58.235	-16.5	79	0.00
64	T	tert-Butylbenzene	50.000	56.598	-13.2	78	0.00
65	T	1,2,4-Trimethylbenzene	50.000	59.783	-19.6	79	0.00
66	T	sec-Butylbenzene	50.000	61.584	-23.2	80	0.00
67	T	p-Isopropyltoluene	50.000	61.917	-23.8	78	0.00
68	T	1,3-Dichlorobenzene	50.000	52.513	-5.0	72	0.00
69	T	1,4-Dichlorobenzene	50.000	51.938	-3.9	73	0.00
70	T	n-Butylbenzene	50.000	59.586	-19.2	77	0.00
71	T	1,2-Dichlorobenzene	50.000	50.802	-1.6	74	0.00
72	T	1,2-Dibromo-3-chloropropane	50.000	61.208	-22.4	65	0.00
73	T	1,2,4-Trichlorobenzene	50.000	51.103	-2.2	82	0.00
74	T	Hexachlorobutadiene	50.000	50.810	-1.6	75	0.00
75	T	Naphthalene	50.000	53.913	-7.8	88	0.01
76	T	1,2,3-Trichlorobenzene	50.000	52.244	-4.5	81	0.00
77	I	TBA-d9	1000.000	1000.000	0.0	81	0.00
78		Ethanol	2000.000	2193.294	-9.7	79	0.00
79		Isopropyl Alcohol (IPA)	2000.000	1584.743	20.8	63	0.00
80	T	t-Butanol *	500.000	444.648	11.1	78	0.00

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

Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : CCV4.D
Acq On : 15 Nov 2013 7:49 am
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 08:56:26 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	122495	50.00 ng		0.00
43) Chlorobenzene-D5	6.94	82	42909	50.00 ng		0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	41094	50.00 ng		0.00
77) TBA-d9	3.10	65	14764	1000.00 ng		0.00
System Monitoring Compounds						
24) Dibromofluoromethane	4.26	113	21245	45.76 ng		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 91.52%			
27) 1,2-Dichloroethane-d4	4.50	65	24527	56.37 ng		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 112.74%			
37) Toluene-d8	5.84	98	113123	53.28 ng		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 106.56%			
55) 4-Bromofluorobenzene	7.87	174	29609	51.12 ng		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 102.24%			
Target Compounds						Qvalue
2) 1,1-Difluoroethane	1.56	65	16363	41.21 ng		85
3) Dichlorodifluoromethane	1.59	85	41668	47.49 ng		99
4) Chloromethane	1.76	50	43138	41.28 ng		99
5) Vinyl Chloride	1.85	62	35895	44.82 ng		93
6) Bromomethane	2.14	94	21042	43.15 ng		84
7) Chloroethane	2.22	64	21396	44.49 ng		92
8) Trichlorofluoromethane	2.41	101	64415	55.27 ng		100
9) 1,1-Dichloroethene	2.79	96	29163	47.56 ng		94
10) Freon-113	2.78	101	36308	50.30 ng		86
11) acetone	2.81	43	34268	226.85 ng		92
12) Methylene Chloride	3.11	84	24587	47.14 ng		88
13) MTBE*	3.29	73	38038	53.16 ng		90
14) trans-1,2-Dichloroethene	3.30	96	31496	47.81 ng		94
15) Diisopropyl ether*	3.60	45	74691	48.27 ng		97
16) 1,1-Dichloroethane	3.57	63	60417	52.25 ng		97
17) Ethyl-t-butyl ether*	3.84	59	57030	44.18 ng		93
18) 2,2-Dichloropropane	3.97	77	57357	58.86 ng		89
19) 2-Butanone	3.94	72	9591	472.81 ng	#	77
20) cis-1,2-Dichloroethene	3.96	96	34080	52.99 ng		90
21) Chloroform	4.15	83	55656	55.52 ng		86
22) Bromochloromethane	4.12	128	10829	43.99 ng		95
23) 1,1,1-Trichloroethane	4.31	97	58511	53.48 ng		95
25) 1,1-Dichloropropene	4.41	75	47118	53.50 ng		99
26) Carbon Tetrachloride	4.42	117	51913	48.00 ng		92
28) 1,2-Dichloroethane	4.55	62	28503	55.70 ng		96
29) TAME* (2-methoxy-2-methylb	4.60	73	41437	49.95 ng		97
30) Benzene*	4.56	78	123105	50.28 ng		95
31) Trichloroethene	4.98	95	35749	50.75 ng		78
32) 1,2-Dichloropropane	5.13	63	25382	45.99 ng		95
33) Bromodichloromethane	5.31	83	31073	51.51 ng		96
34) Dibromomethane	5.22	93	9460	49.38 ng		83
35) cis-1,3-Dichloropropene	5.62	75	30916	49.40 ng		97
36) Methyl Isobutyl Ketone	5.70	43	105444	475.91 ng	#	96
38) Toluene*	5.89	92	88673	49.19 ng		94
39) trans-1,3-Dichloropropene	6.01	75	24537	50.19 ng		94
40) 1,1,2-Trichloroethane	6.15	83	11705	48.19 ng		98
41) 2-Hexanone	6.31	43	68318	473.77 ng	#	97

Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : CCV4.D
Acq On : 15 Nov 2013 7:49 am
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 08:56:26 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

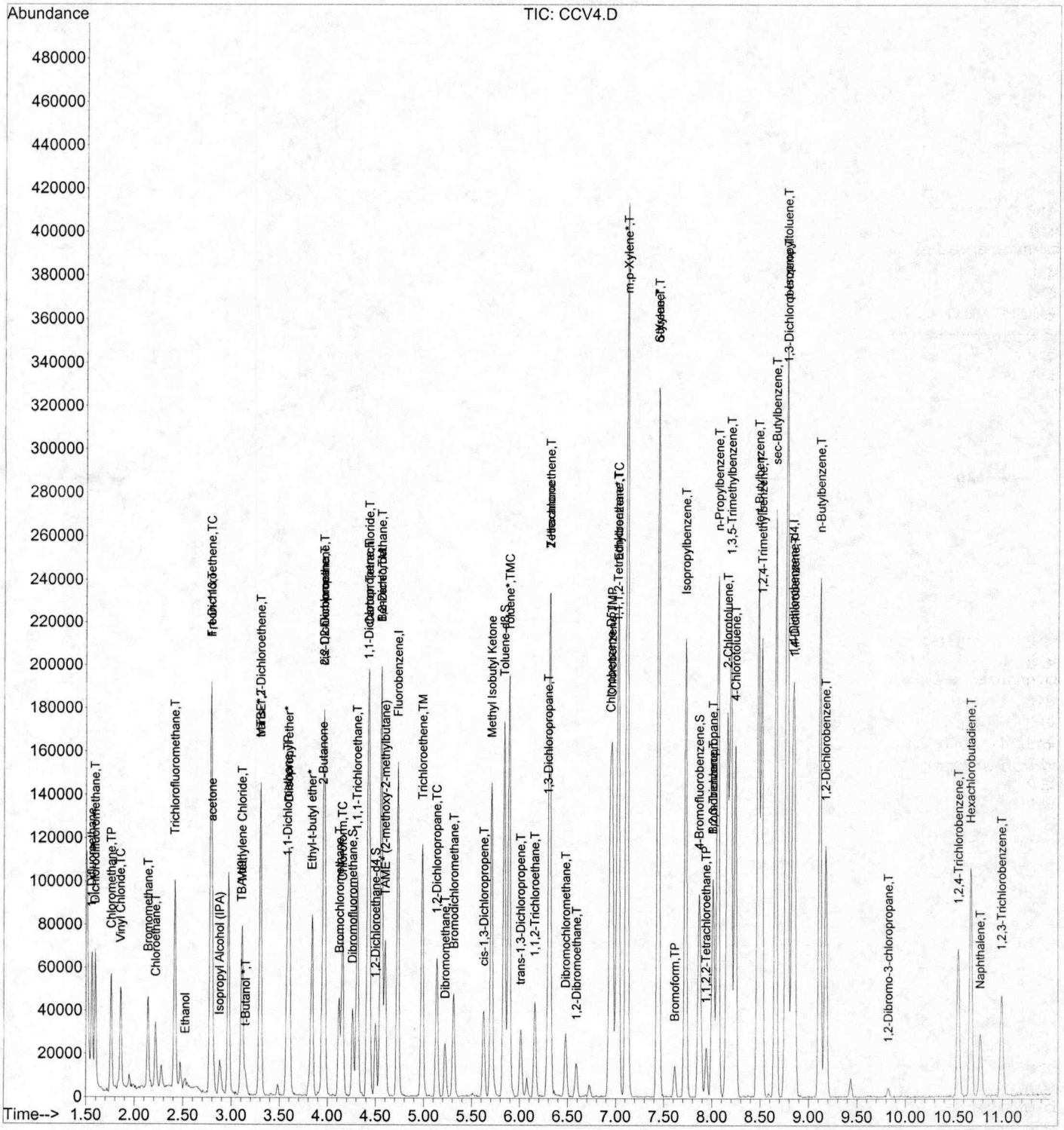
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,2-Dibromoethane	6.60	107	12932	48.69	ng		95
44) 1,3-Dichloropropane	6.29	76	24318	46.34	ng		93
45) Tetrachloroethene	6.31	164	33238	44.65	ng		92
46) Dibromochloromethane	6.48	129	18546	46.39	ng		94
47) Chlorobenzene	6.96	112	87489	47.82	ng		96
48) Ethylbenzene*	7.03	106	46629	48.36	ng		90
49) 1,1,1,2-Tetrachloroethane	7.01	131	27744	46.82	ng		89
50) m,p-Xylene*	7.12	106	132198	102.98	ng		92
51) o-Xylene*	7.44	106	59099	52.48	ng		96
52) Styrene	7.44	104	87315	53.66	ng		92
53) Bromoform	7.62	173	8298	44.13	ng		94
56) Isopropylbenzene	7.72	105	155431	56.82	ng		98
57) 1,1,2,2-Tetrachloroethane	7.94	83	13882	42.23	ng		86
58) 1,2,3-Trichloropropane	8.00	75	14584	49.32	ng		95
59) n-Propylbenzene	8.06	91	218322	60.20	ng		97
60) Bromobenzene	8.01	156	30535	46.22	ng		89
61) 1,3,5-Trimethylbenzene	8.19	105	150901m	60.11	ng		
62) 2-Chlorotoluene	8.16	91	137781	59.01	ng		89
63) 4-Chlorotoluene	8.24	91	121770	58.23	ng		94
64) tert-Butylbenzene	8.48	119	152399	56.60	ng		94
65) 1,2,4-Trimethylbenzene	8.51	105	141707m	59.78	ng		
66) sec-Butylbenzene	8.66	105	212863	61.58	ng		98
67) p-Isopropyltoluene	8.76	119	176054	61.92	ng		93
68) 1,3-Dichlorobenzene	8.78	146	80673	52.51	ng		98
69) 1,4-Dichlorobenzene	8.85	146	75694	51.94	ng		91
70) n-Butylbenzene	9.12	91	151022m	59.59	ng		
71) 1,2-Dichlorobenzene	9.18	146	63156	50.80	ng		97
72) 1,2-Dibromo-3-chloropropan	9.82	75	1810	61.21	ng	#	56
73) 1,2,4-Trichlorobenzene	10.54	180	31263	51.10	ng		94
74) Hexachlorobutadiene	10.68	225	24109	50.81	ng		98
75) Naphthalene	10.78	128	36702	53.91	ng		99
76) 1,2,3-Trichlorobenzene	10.99	180	23315	52.24	ng		87
78) Ethanol	2.52	45	4711	2193.29	ng	#	100
79) Isopropyl Alcohol (IPA)	2.88	45	19958	1584.74	ng	#	100
80) t-Butanol *	3.15	59	10169m	444.65	ng		

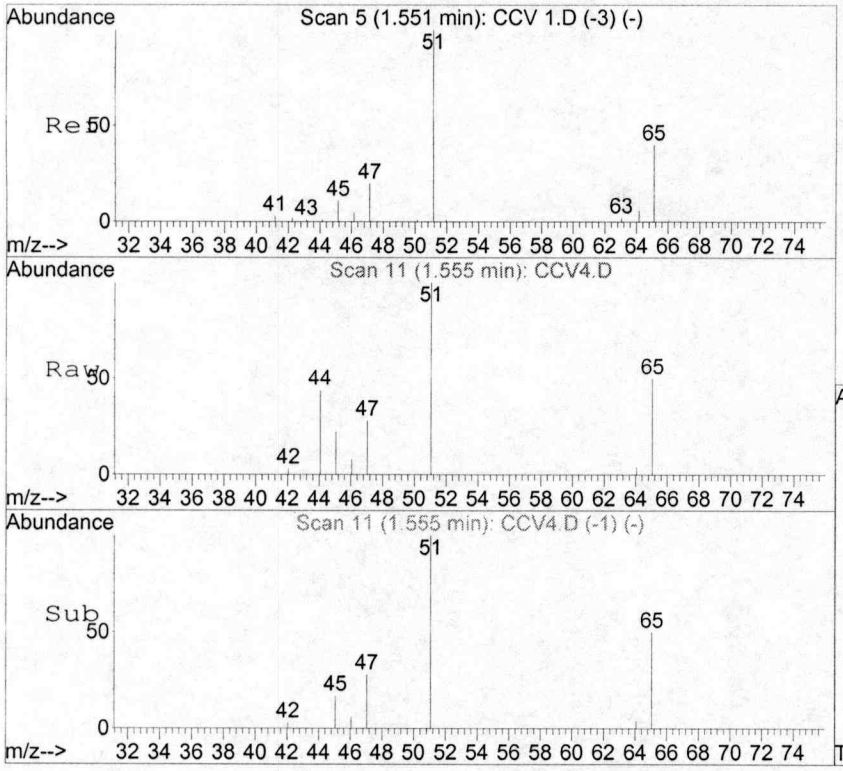
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : CCV4.D
Acq On : 15 Nov 2013 7:49 am
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 08:56:26 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

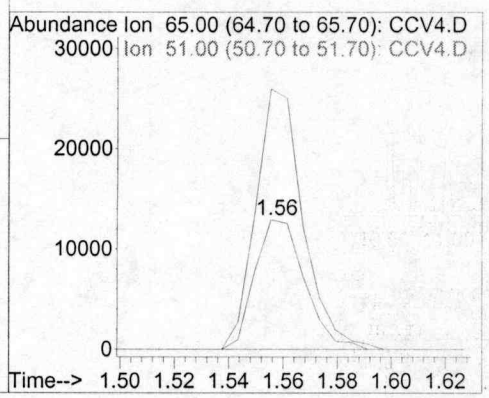


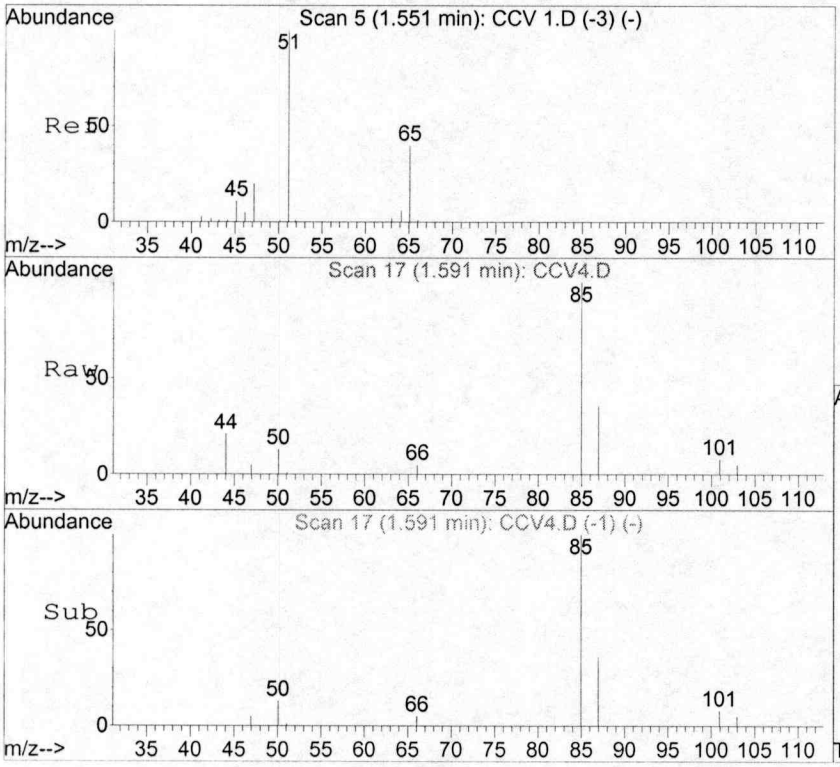


#2
1,1-Difluoroethane
Concen: 41.21 ng
RT: 1.56 min Scan# 11
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 65 Resp: 16363

Ion	Ratio	Lower	Upper
65	100		
51	201.3	181.2	271.8

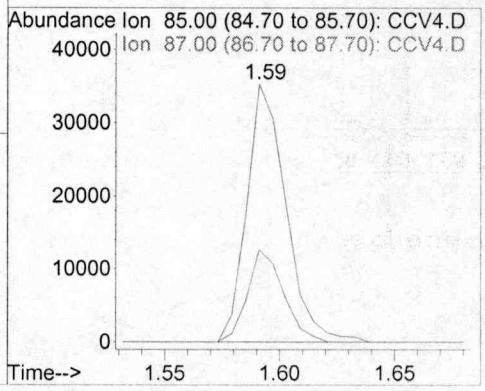


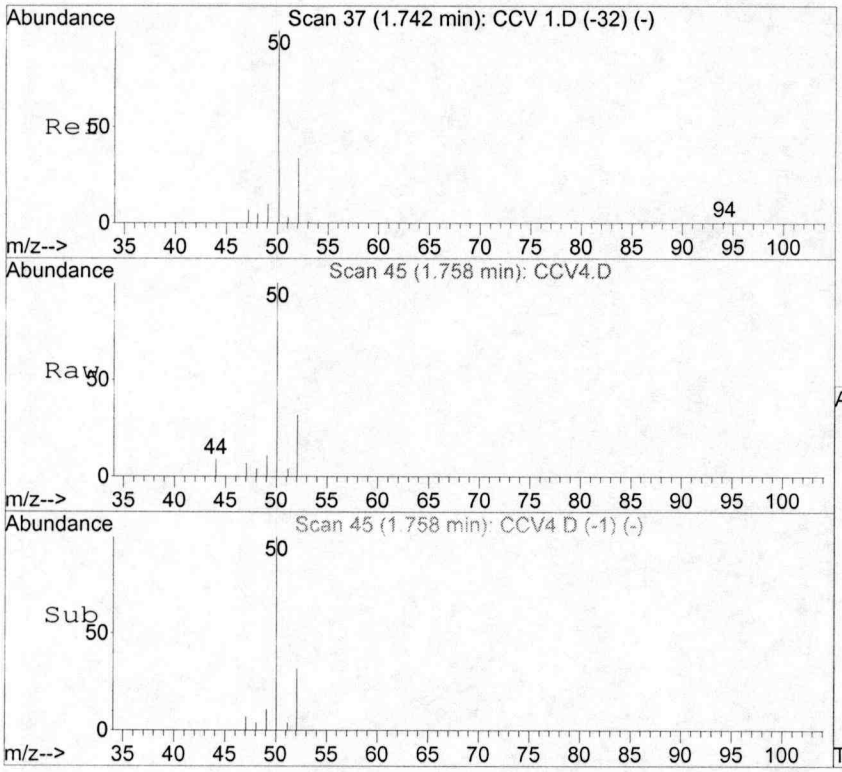


#3
Dichlorodifluoromethane
Concen: 47.49 ng
RT: 1.59 min Scan# 17
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 85 Resp: 41668

Ion	Ratio	Lower	Upper
85	100		
87	35.8	5.1	65.1

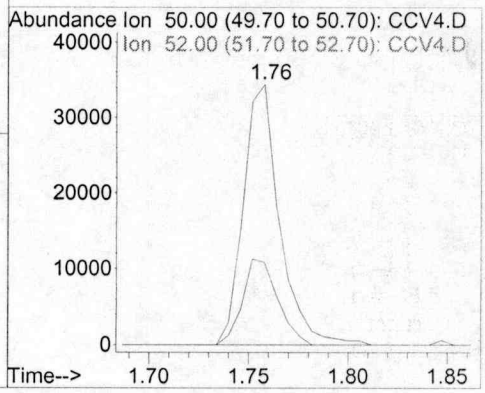


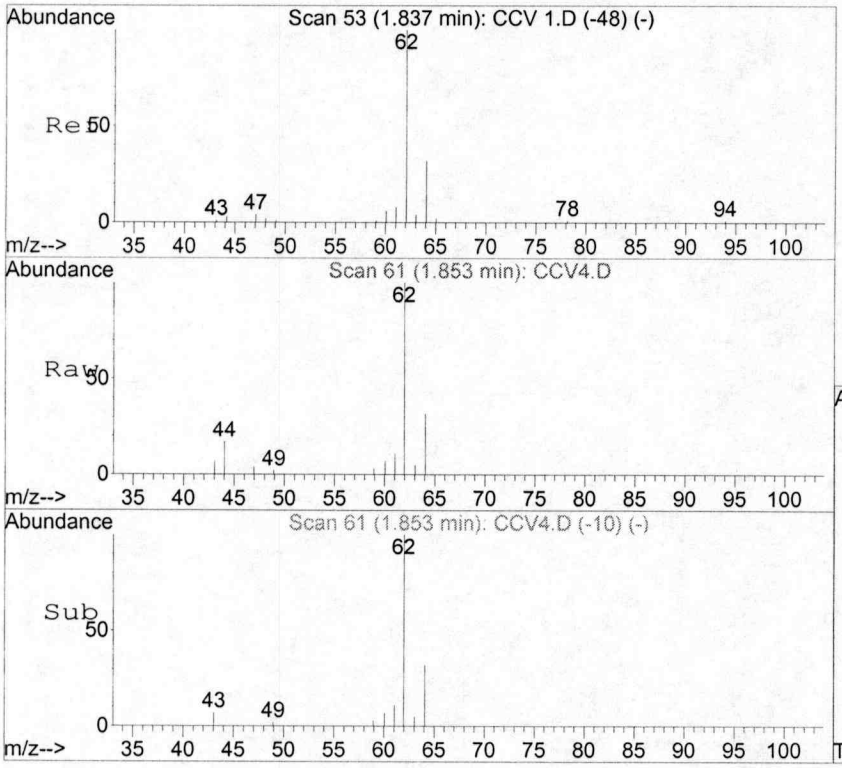


#4
Chloromethane
Concen: 41.28 ng
RT: 1.76 min Scan# 45
Delta R.T. 0.01 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 50 Resp: 43138

Ion	Ratio	Lower	Upper
50	100		
52	31.5	2.3	62.3

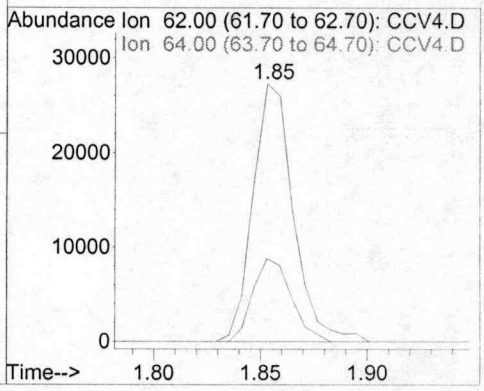


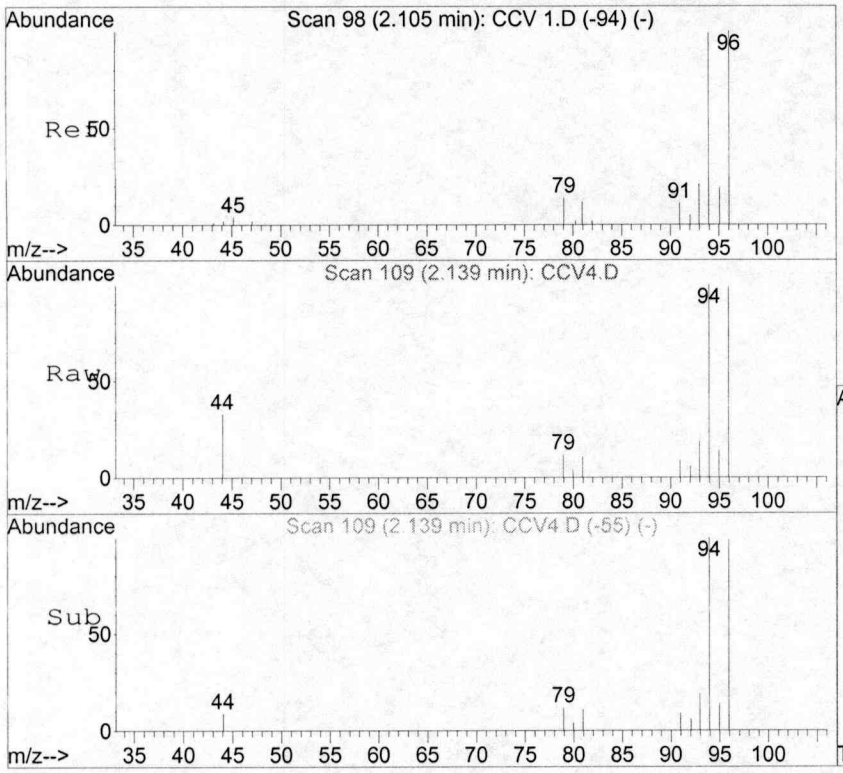


#5
Vinyl Chloride
Concen: 44.82 ng
RT: 1.85 min Scan# 61
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 62 Resp: 35895

Ion	Ratio	Lower	Upper
62	100		
64	32.3	0.0	58.4

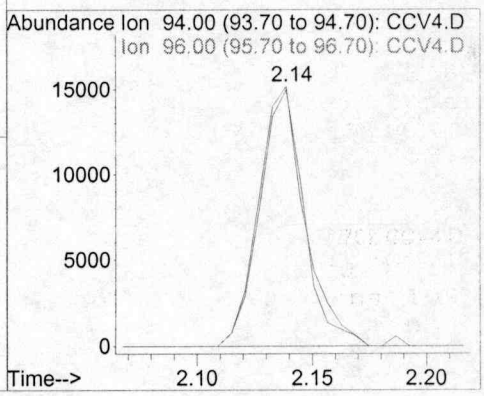


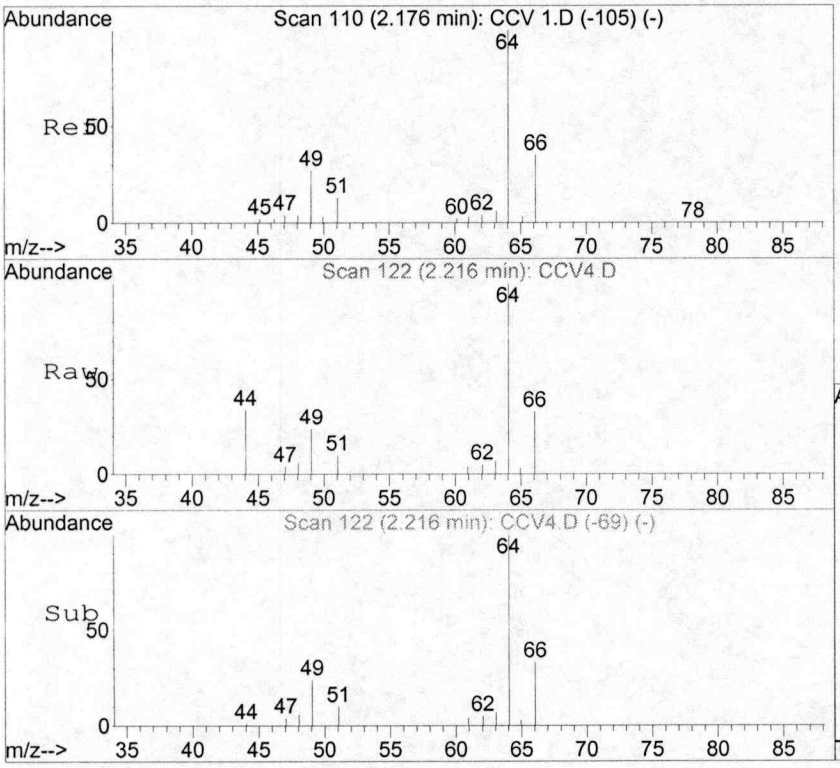


#6
Bromomethane
Concen: 43.15 ng
RT: 2.14 min Scan# 109
Delta R.T. 0.02 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 94 Resp: 21042

Ion	Ratio	Lower	Upper
94	100		
96	98.6	54.5	114.5

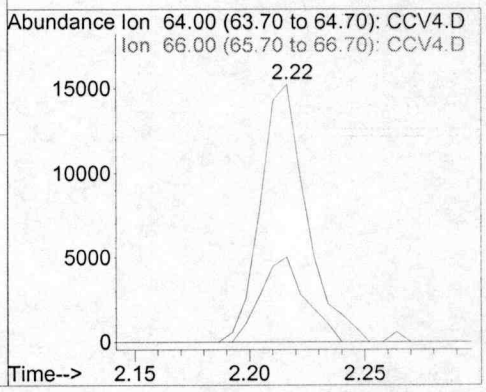


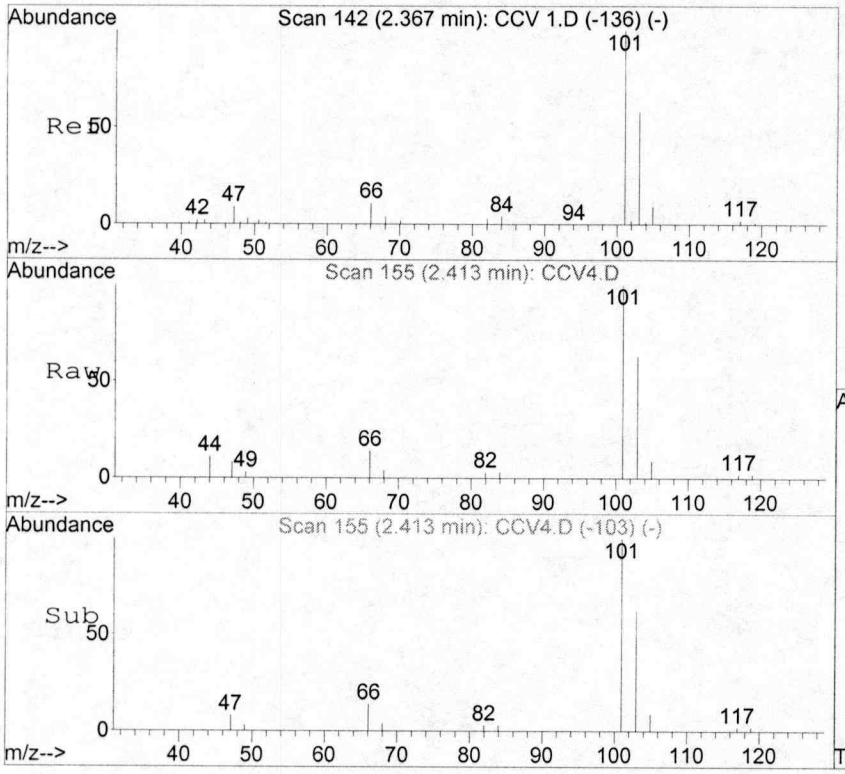


#7
Chloroethane
Concen: 44.49 ng
RT: 2.22 min Scan# 122
Delta R.T. 0.01 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 64 Resp: 21396

Ion	Ratio	Lower	Upper
64	100		
66	33.0	0.0	58.7

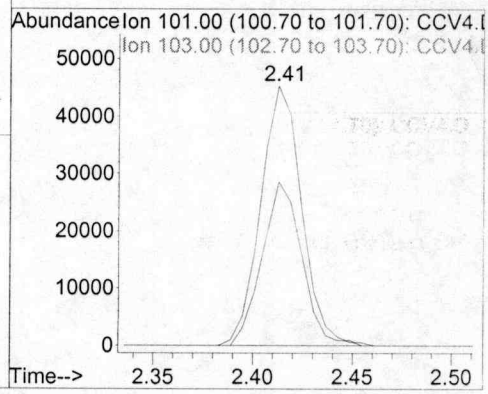


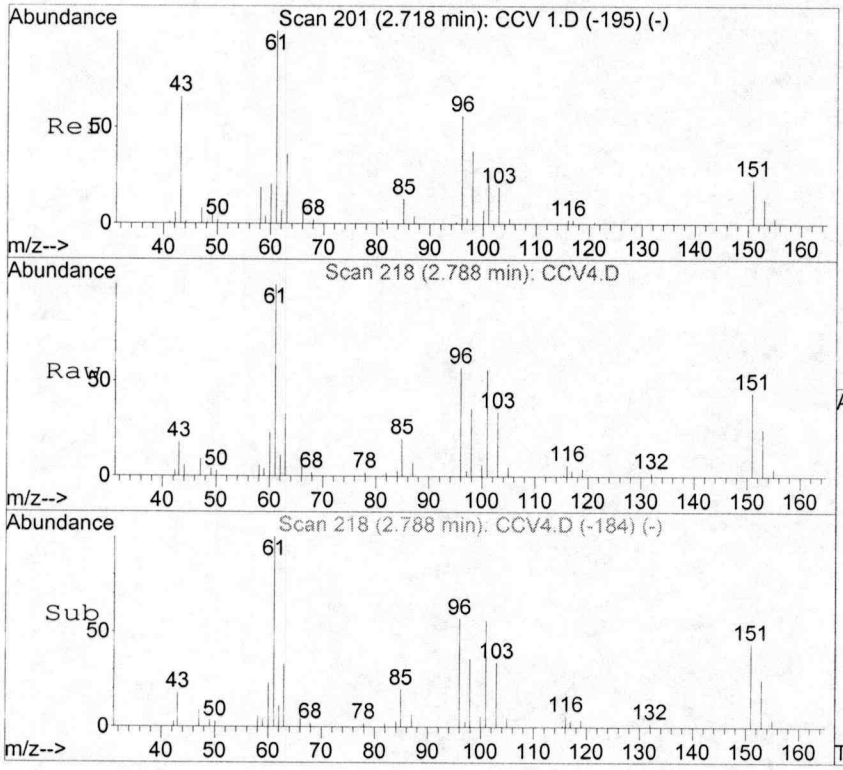


#8
Trichlorofluoromethane
Concen: 55.27 ng
RT: 2.41 min Scan# 155
Delta R.T. 0.01 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:101 Resp: 64415

Ion	Ratio	Lower	Upper
101	100		
103	63.0	33.2	93.2

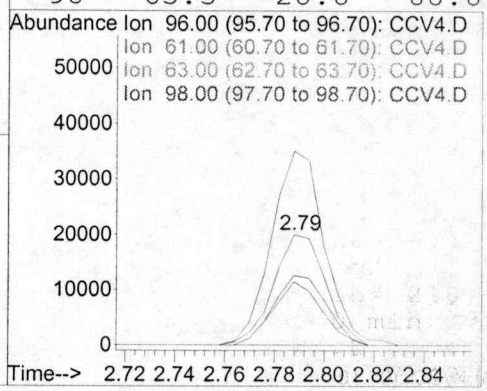


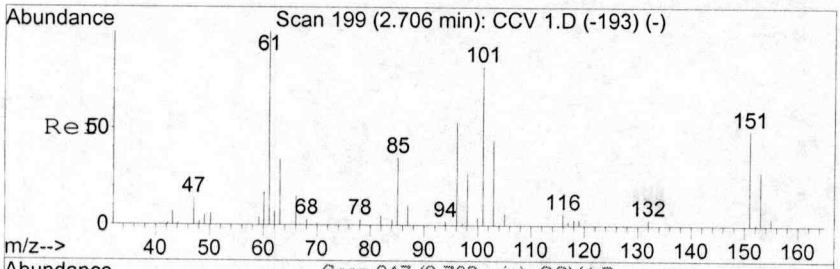


#9
1,1-Dichloroethene
Concen: 47.56 ng
RT: 2.79 min Scan# 218
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 96 Resp: 29163

Ion	Ratio	Lower	Upper
96	100		
61	175.5	139.2	199.2
63	57.5	18.9	78.9
98	63.3	28.8	88.8

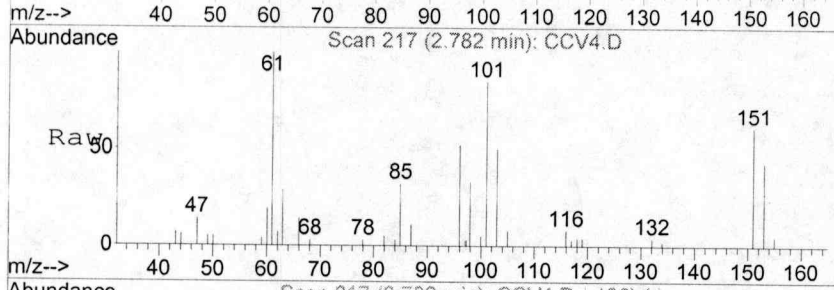


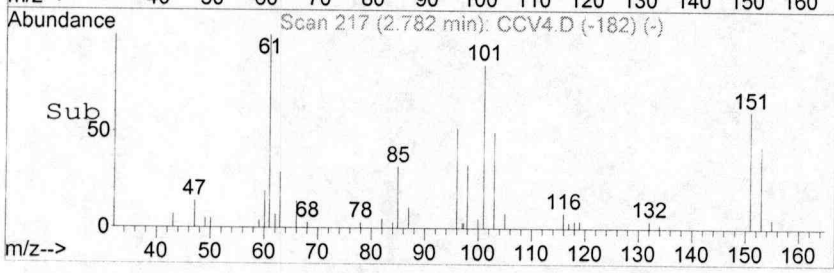


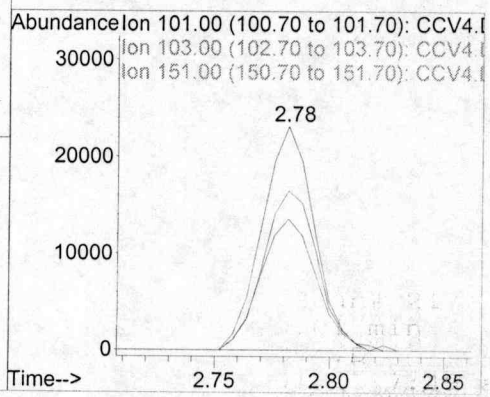
#10
Freon-113
Concen: 50.30 ng
RT: 2.78 min Scan# 217
Delta R.T. 0.01 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

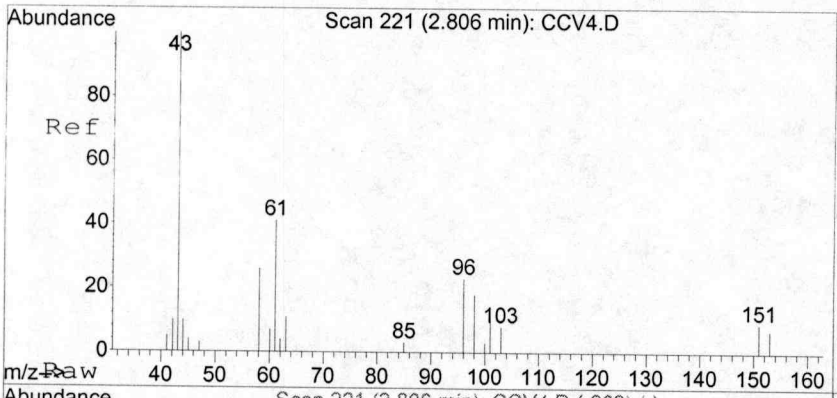
Tgt Ion:101 Resp: 36308

Ion	Ratio	Lower	Upper
101	100		
103	58.7	32.5	92.5
151	71.3	60.9	120.9





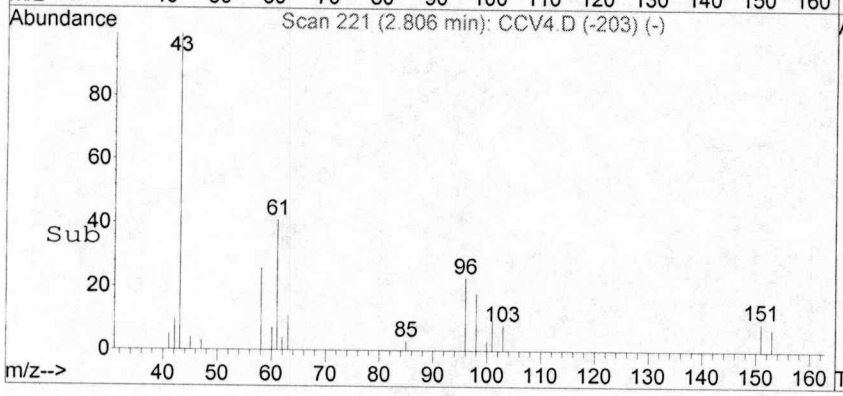


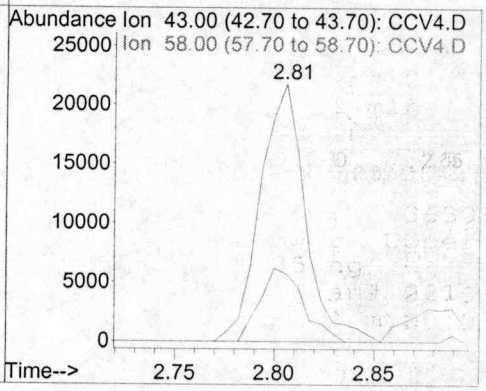


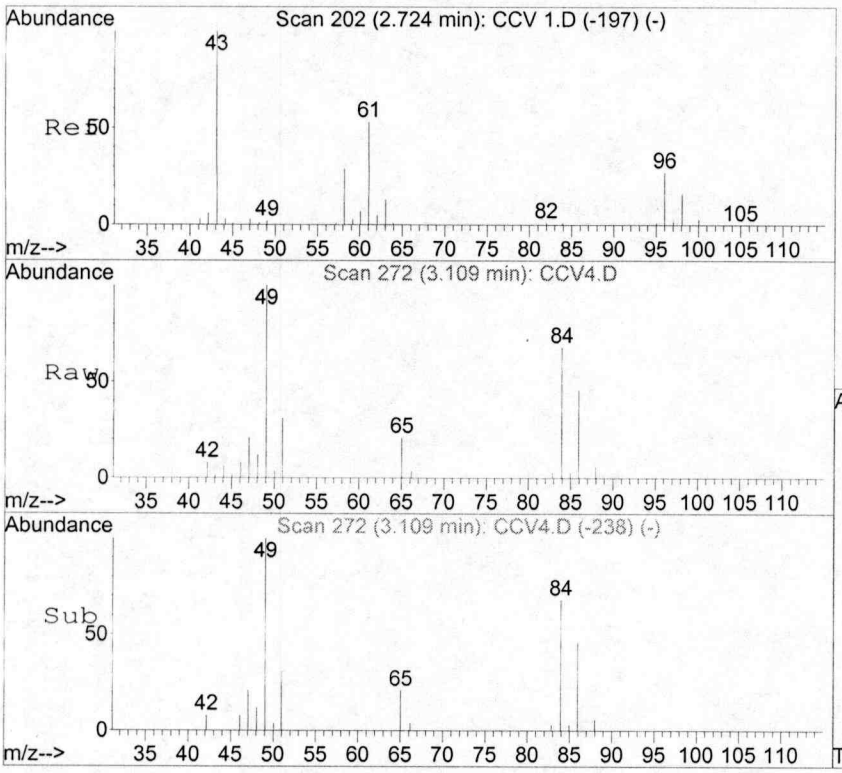
#11
acetone
Concen: 226.85 ng
RT: 2.81 min Scan# 221
Delta R.T. 0.01 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 43 Resp: 34268

Ion	Ratio	Lower	Upper
43	100		
58	26.4	24.4	36.6



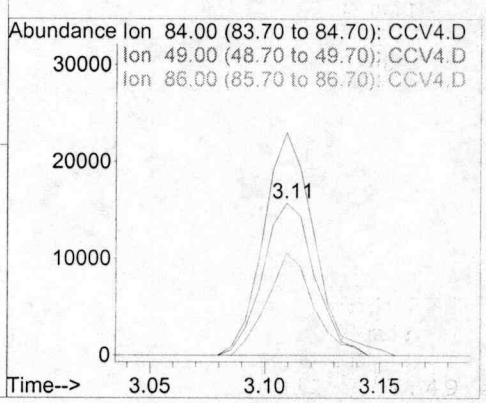


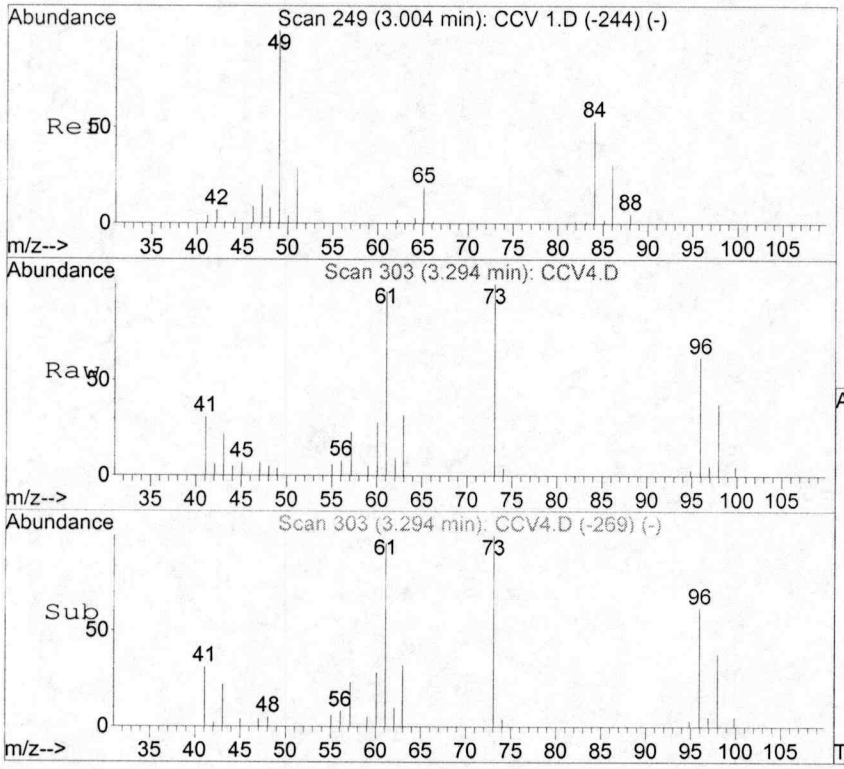


#12
Methylene Chloride
Concen: 47.14 ng
RT: 3.11 min Scan# 272
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 84 Resp: 24587

Ion	Ratio	Lower	Upper
84	100		
49	146.3	134.9	194.9
86	67.4	33.0	93.0

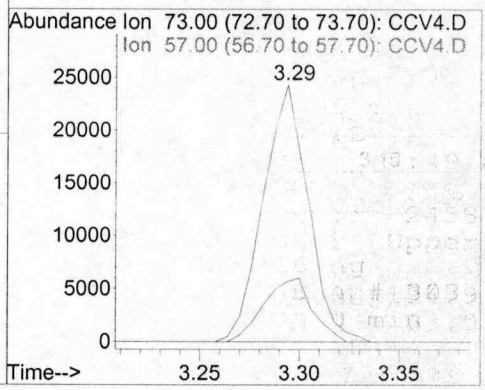


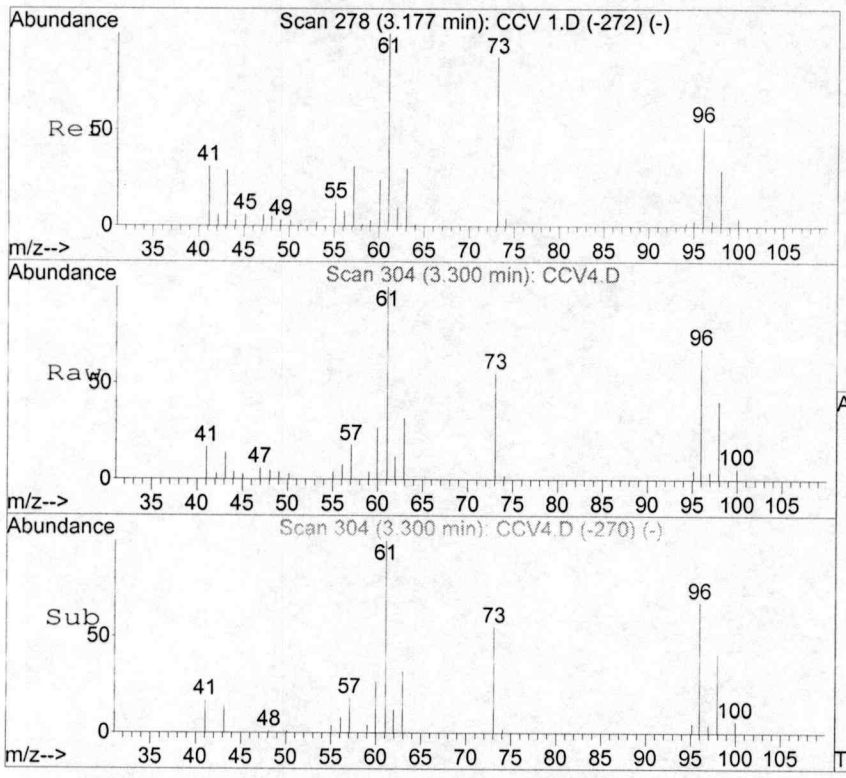


#13
MTBE*
Concen: 53.16 ng
RT: 3.29 min Scan# 303
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 73 Resp: 38038

Ion	Ratio	Lower	Upper
73	100		
57	23.3	0.0	58.3

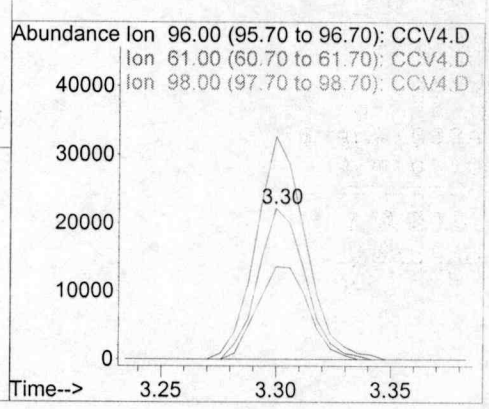


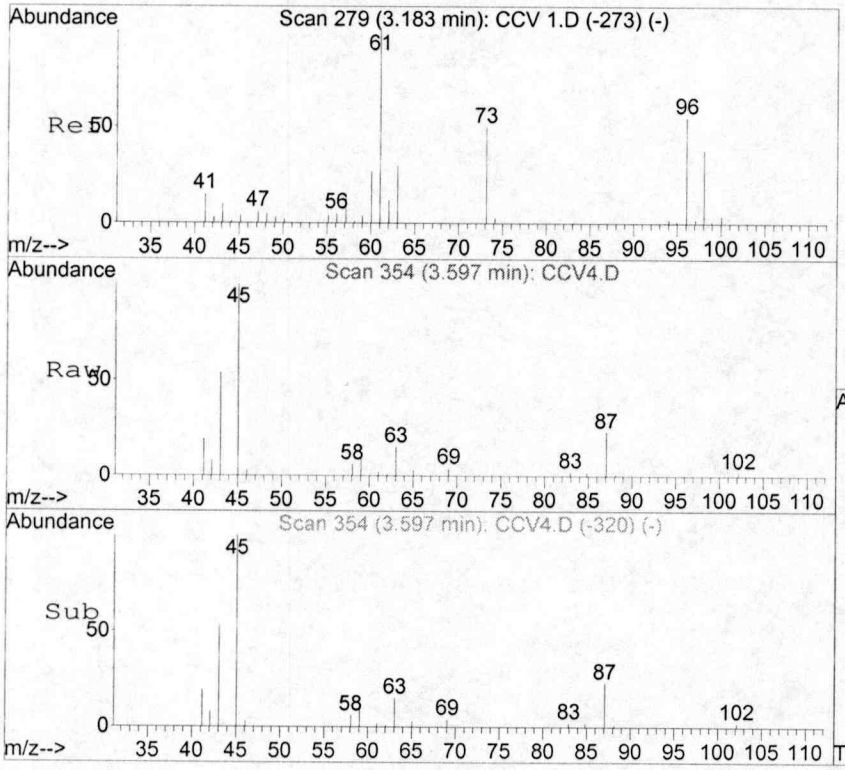


#14
trans-1,2-Dichloroethene
Concen: 47.81 ng
RT: 3.30 min Scan# 304
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 96 Resp: 31496

Ion	Ratio	Lower	Upper
96	100		
61	147.6	122.9	182.9
98	61.2	40.0	100.0

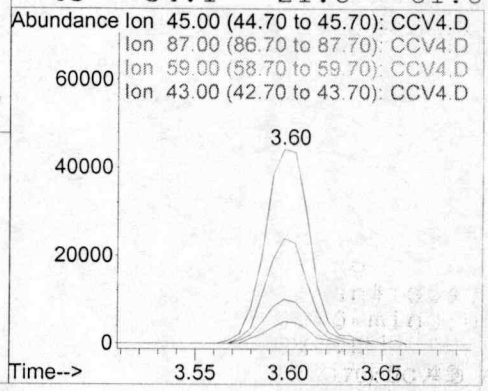


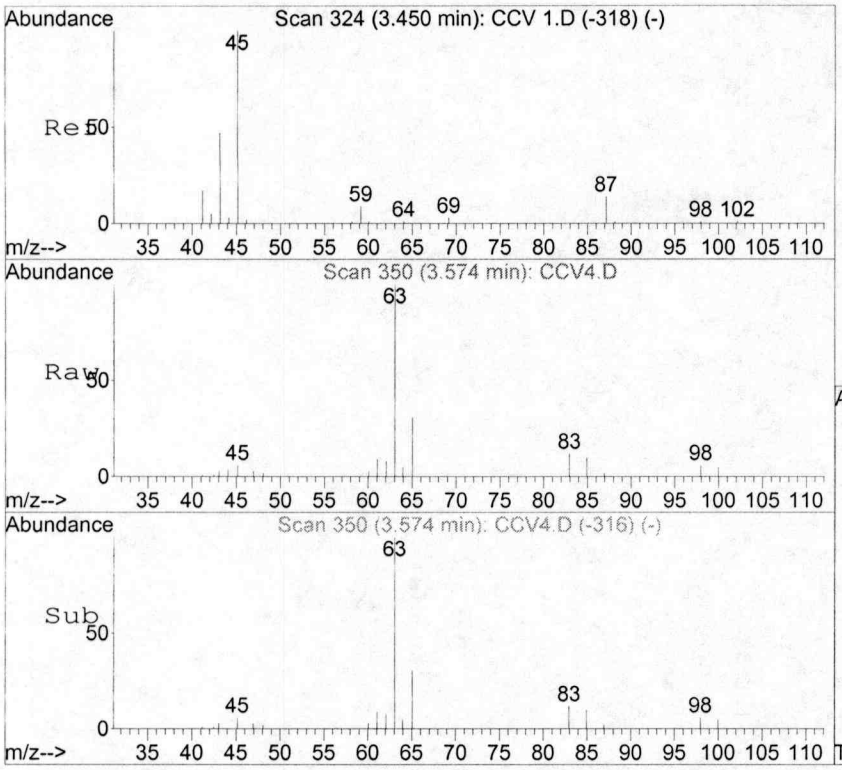


#15
Diisopropyl ether*
Concen: 48.27 ng
RT: 3.60 min Scan# 354
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 45 Resp: 74691

Ion	Ratio	Lower	Upper
45	100		
87	22.8	0.0	52.0
59	11.2	0.0	41.6
43	54.1	21.8	81.8

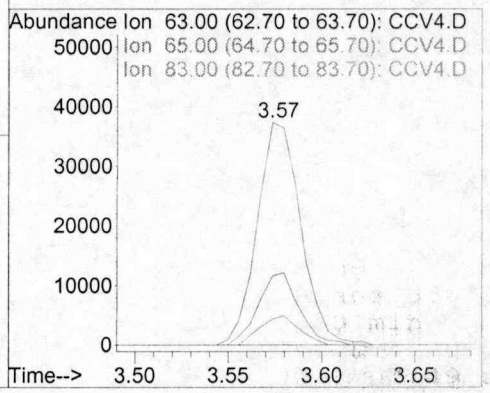


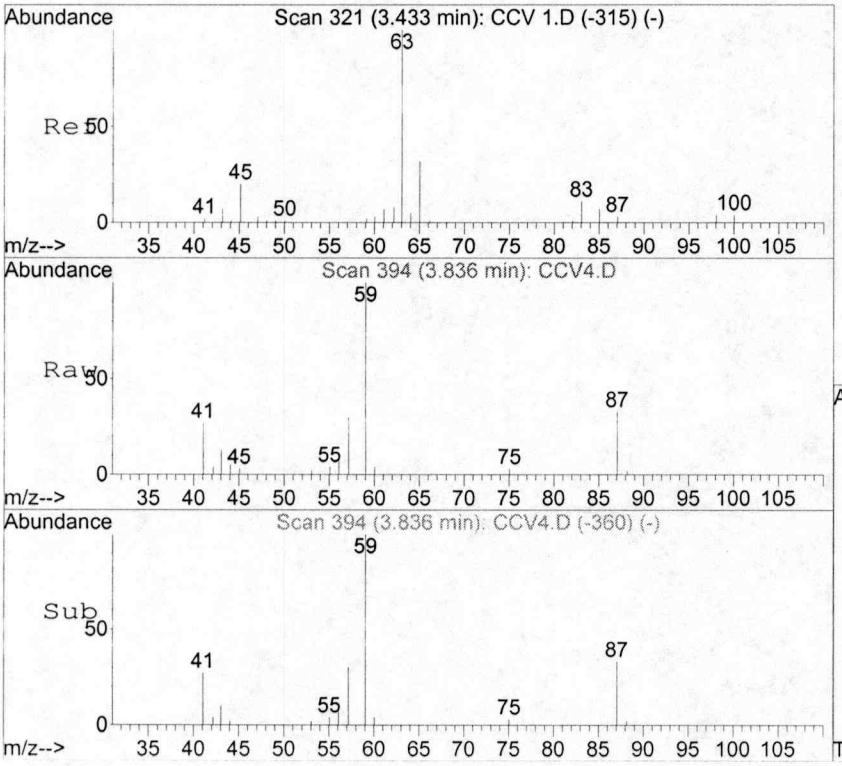


#16
1,1-Dichloroethane
Concen: 52.25 ng
RT: 3.57 min Scan# 350
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 63 Resp: 60417

Ion	Ratio	Lower	Upper
63	100		
65	31.2	0.2	60.2
83	11.6	0.0	43.2

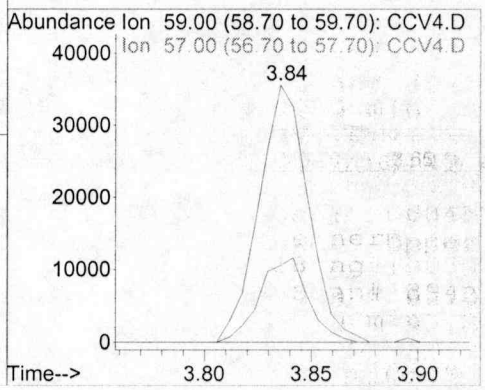


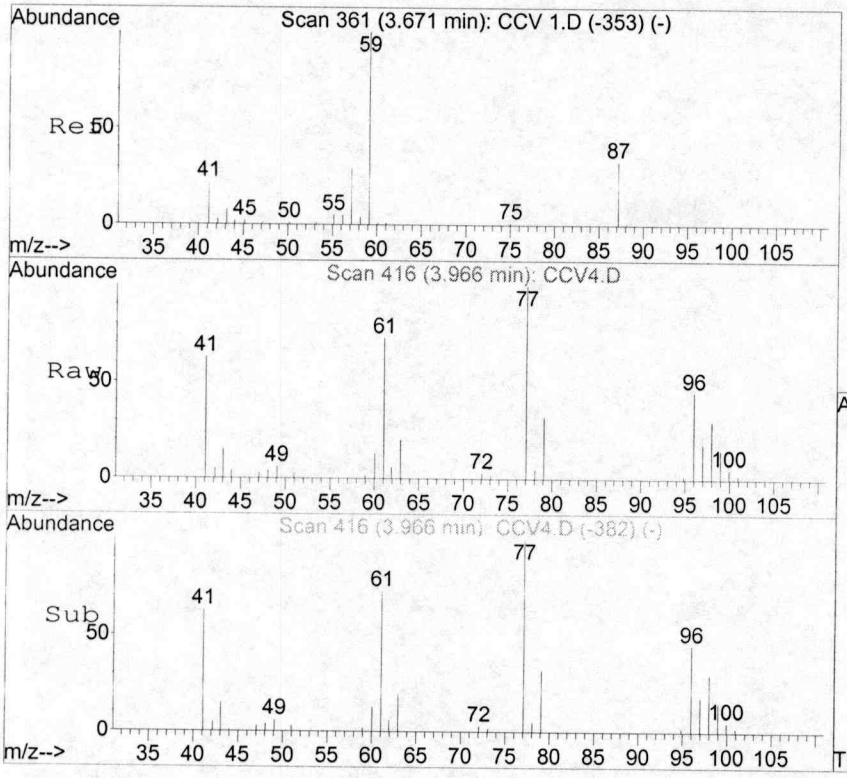


#17
Ethyl-t-butyl ether*
Concen: 44.18 ng
RT: 3.84 min Scan# 394
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 59 Resp: 57030

Ion	Ratio	Lower	Upper
59	100		
57	29.6	3.4	63.4

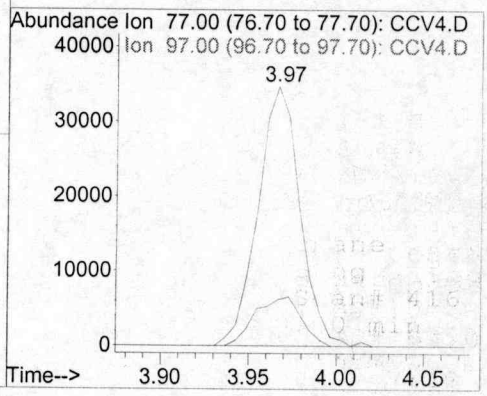


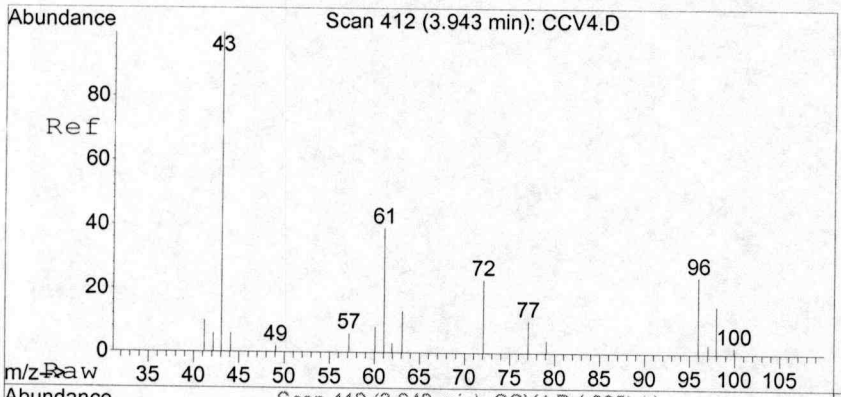


#18
2,2-Dichloropropane
Concen: 58.86 ng
RT: 3.97 min Scan# 416
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 77 Resp: 57357

Ion	Ratio	Lower	Upper
77	100		
97	17.9	0.0	53.0

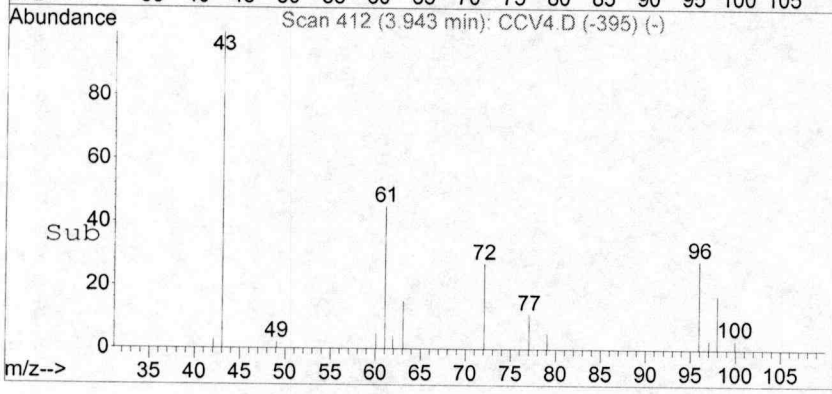


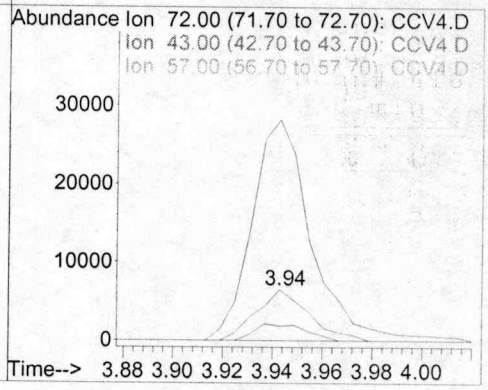


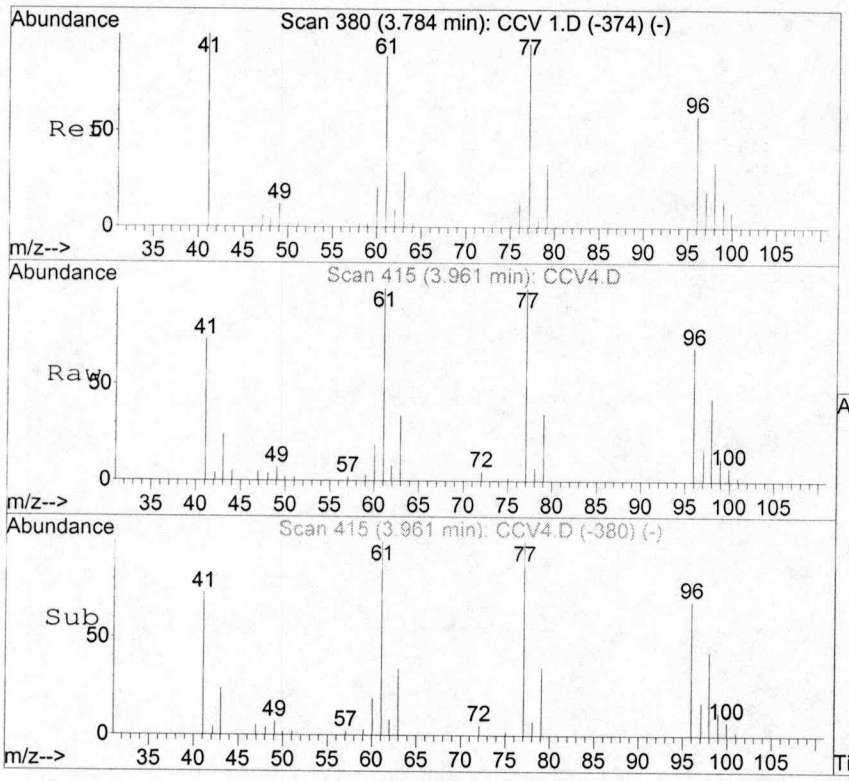
#19
2-Butanone
Concen: 472.81 ng
RT: 3.94 min Scan# 412
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 72 Resp: 9591

Ion	Ratio	Lower	Upper
72	100		
43	434.7	399.7	599.5
57	28.2	31.6	47.4#



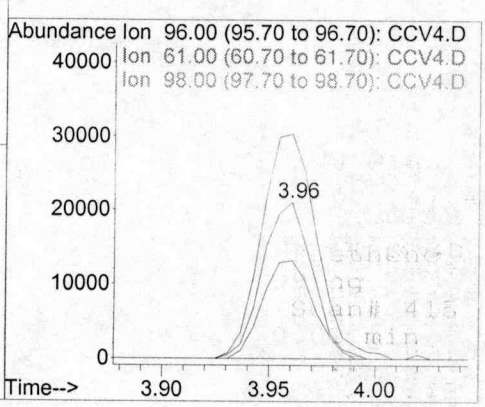


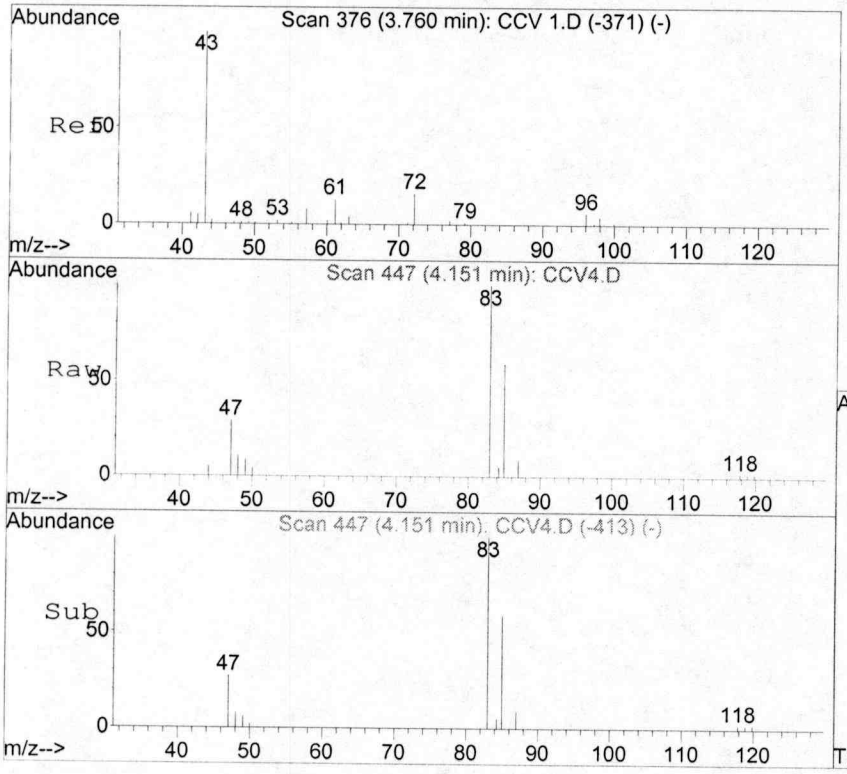


#20
cis-1,2-Dichloroethene
Concen: 52.99 ng
RT: 3.96 min Scan# 415
Delta R.T. 0.01 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 96 Resp: 34080

Ion	Ratio	Lower	Upper
96	100		
61	144.3	131.0	191.0
98	62.7	35.2	95.2

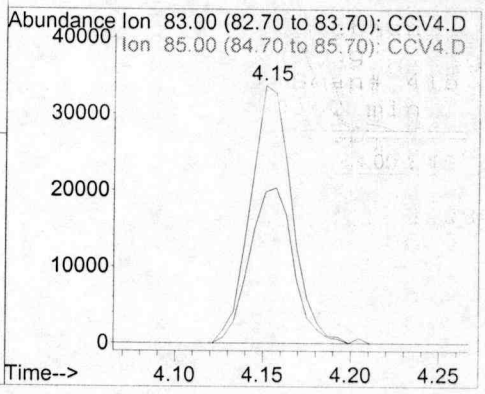


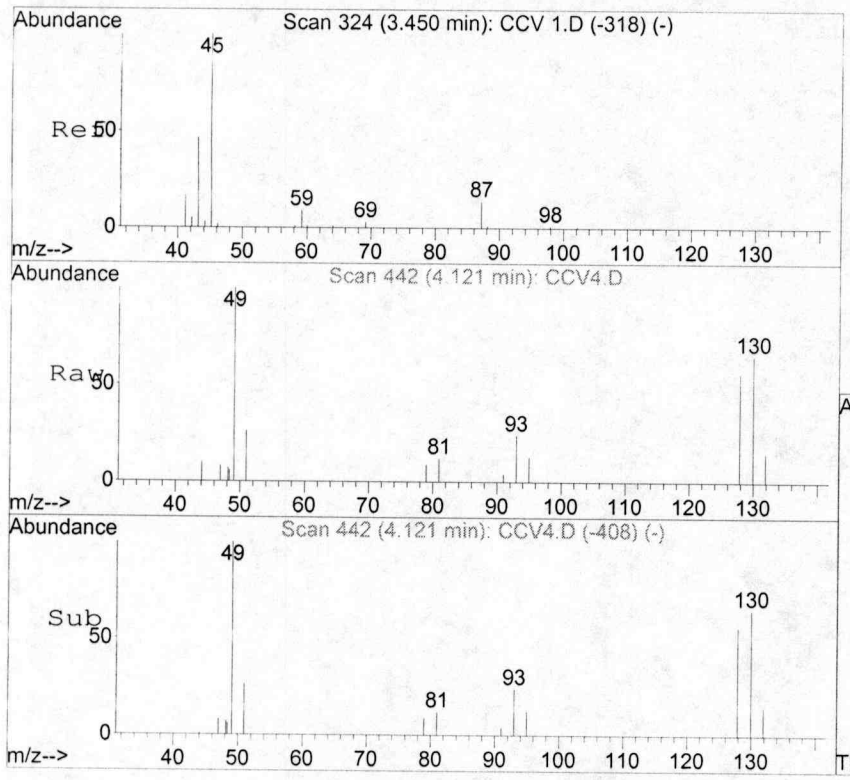


#21
Chloroform
Concen: 55.52 ng
RT: 4.15 min Scan# 447
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 83 Resp: 55656

Ion	Ratio	Lower	Upper
83	100		
85	58.8	40.2	100.2

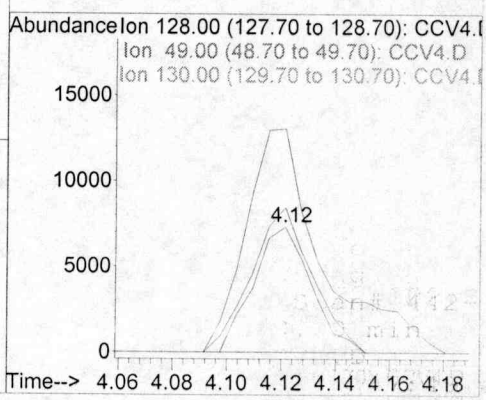


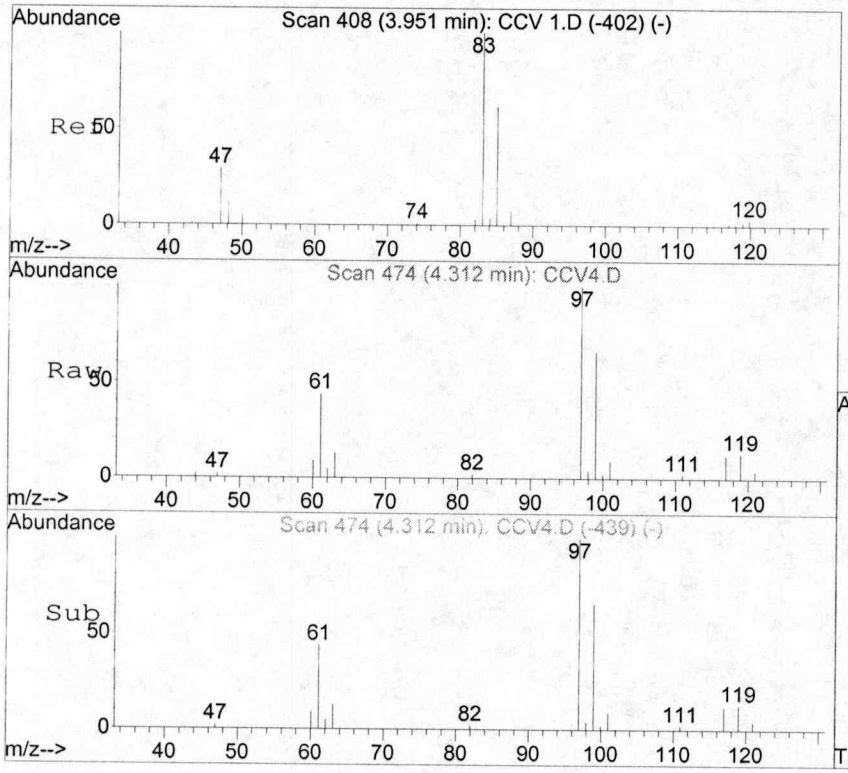


#22
Bromochloromethane
Concen: 43.99 ng
RT: 4.12 min Scan# 442
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:128 Resp: 10829

Ion	Ratio	Lower	Upper
128	100		
49	178.3	156.0	216.0
130	115.6	89.9	149.9

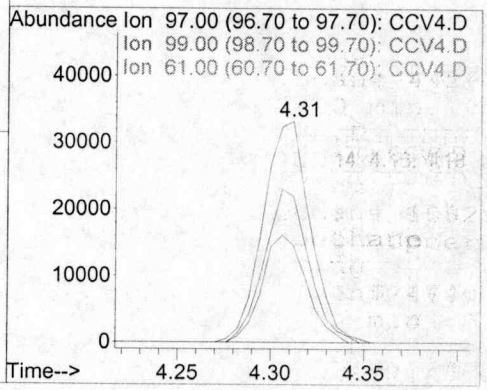


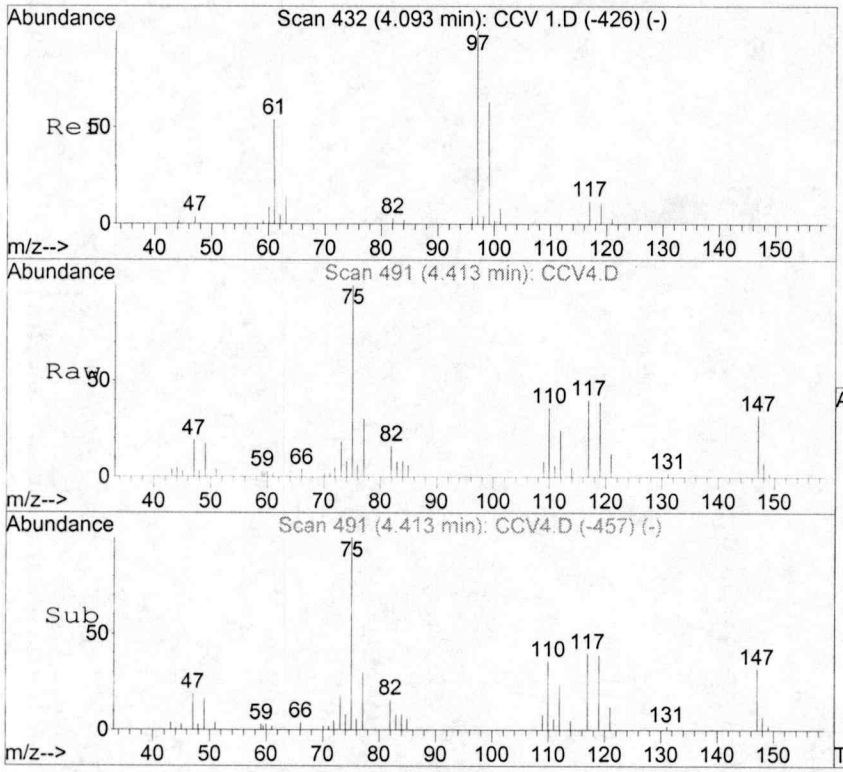


#23
1,1,1-Trichloroethane
Concen: 53.48 ng
RT: 4.31 min Scan# 474
Delta R.T. 0.01 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 97 Resp: 58511

Ion	Ratio	Lower	Upper
97	100		
99	66.2	30.7	90.7
61	44.2	15.9	75.9

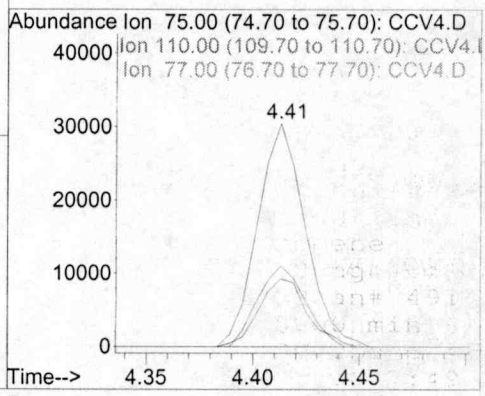


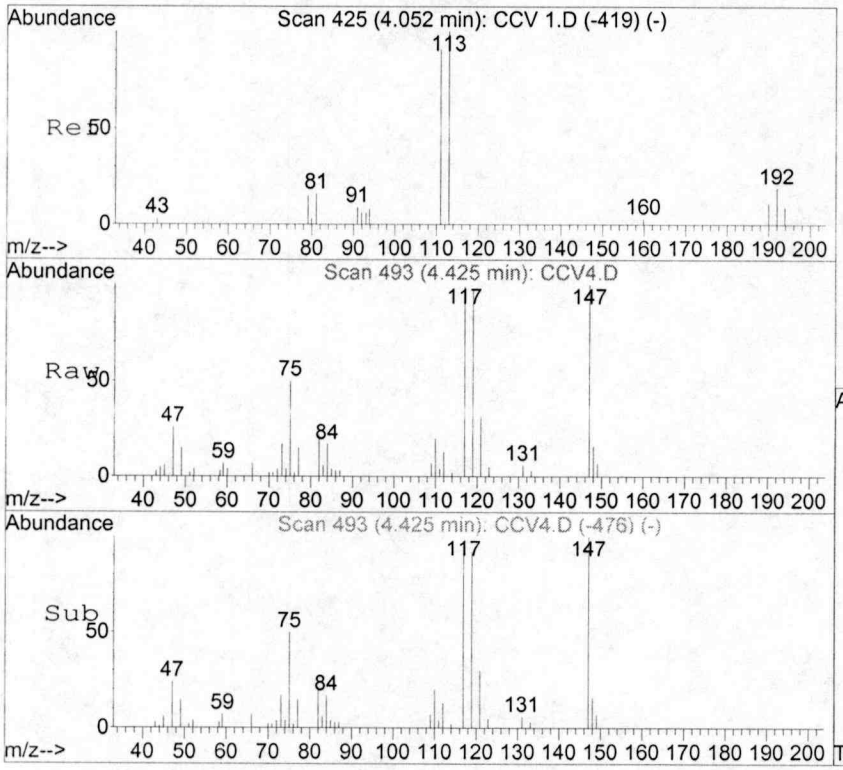


#25
1,1-Dichloropropene
Concen: 53.50 ng
RT: 4.41 min Scan# 491
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 75 Resp: 47118

Ion	Ratio	Lower	Upper
75	100		
110	36.1	5.0	65.0
77	30.4	0.8	60.8

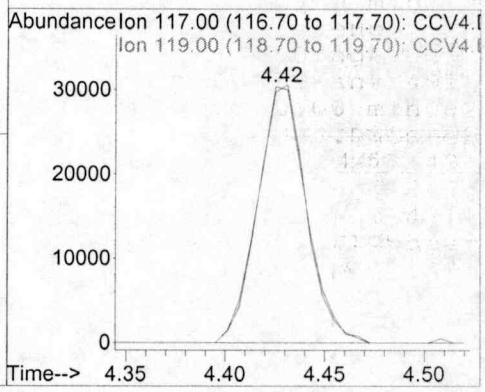


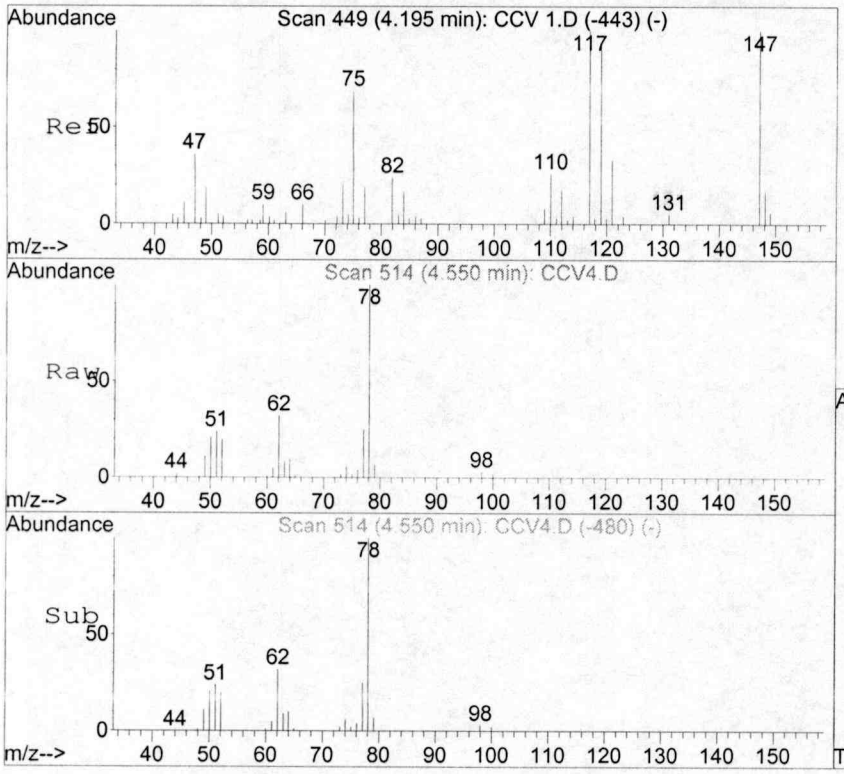


#26
Carbon Tetrachloride
Concen: 48.00 ng
RT: 4.42 min Scan# 493
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:117 Resp: 51913

Ion	Ratio	Lower	Upper
117	100		
119	98.0	60.8	120.8

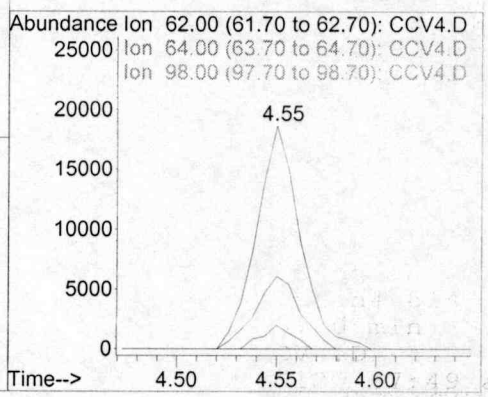


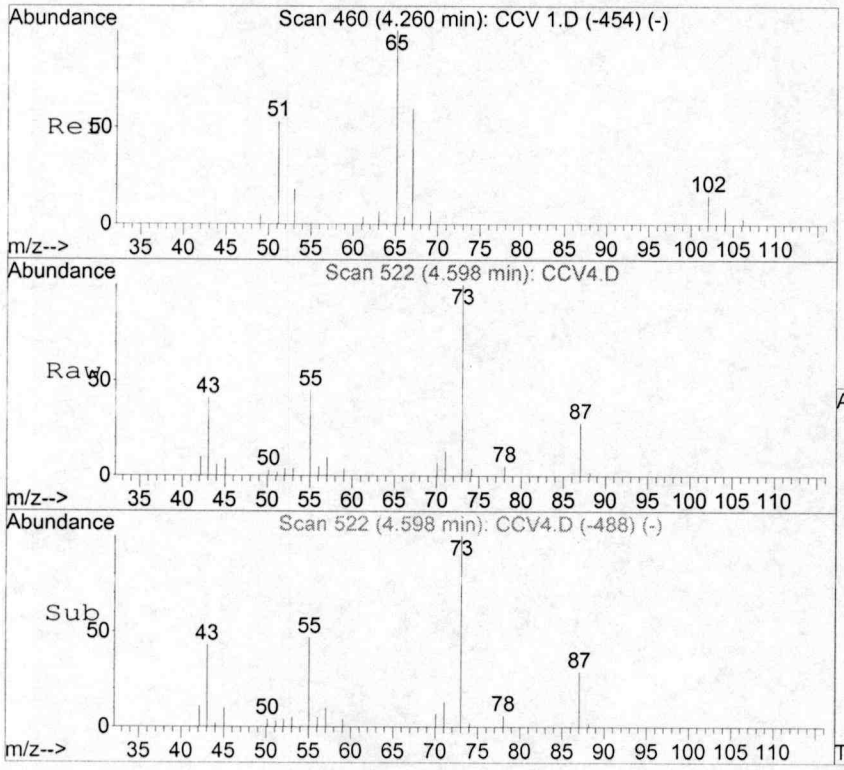


#28
1,2-Dichloroethane
Concen: 55.70 ng
RT: 4.55 min Scan# 514
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 62 Resp: 28503

Ion	Ratio	Lower	Upper
62	100		
64	32.6	0.1	60.1
98	10.7	0.0	41.6

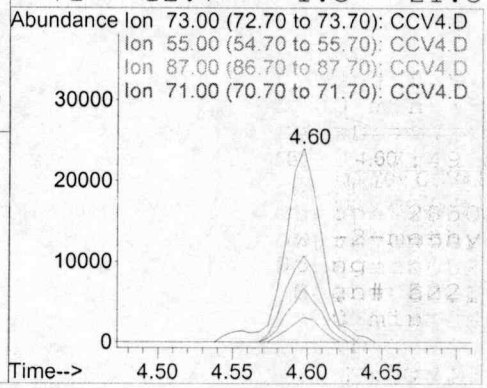


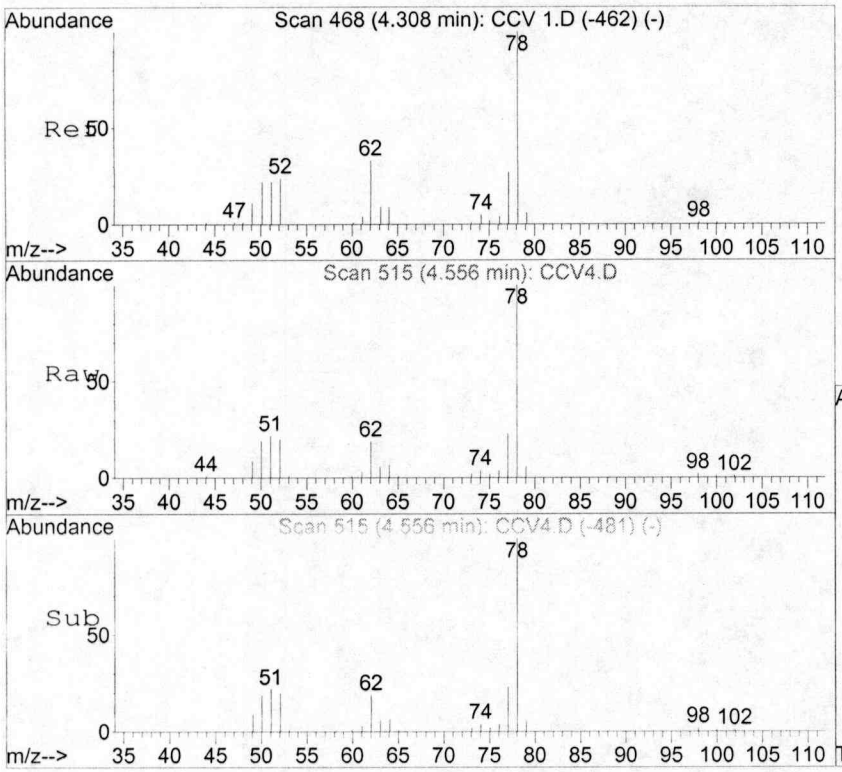


#29
TAME* (2-methoxy-2-methylbutane
Concen: 49.95 ng
RT: 4.60 min Scan# 522
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 73 Resp: 41437

Ion	Ratio	Lower	Upper
73	100		
55	44.7	14.6	74.6
87	28.0	0.0	54.3
71	12.7	1.5	21.5

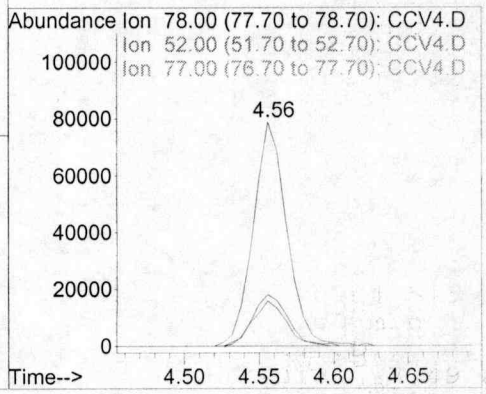


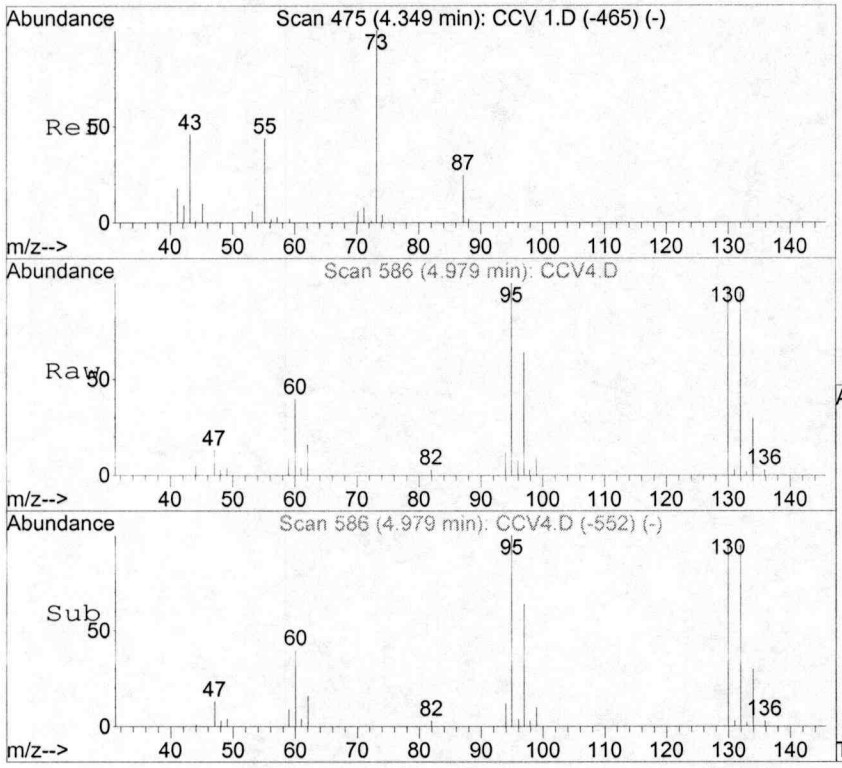


#30
Benzene*
Concen: 50.28 ng
RT: 4.56 min Scan# 515
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 78 Resp: 123105

Ion	Ratio	Lower	Upper
78	100		
52	20.1	3.8	43.8
77	22.9	4.0	44.0

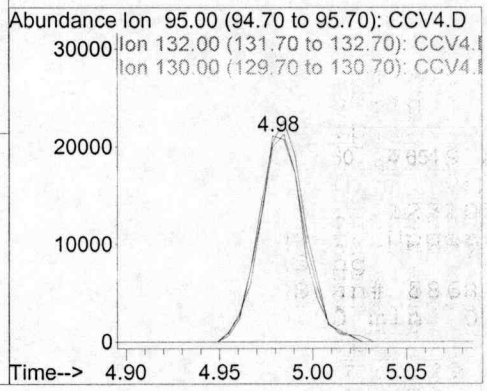


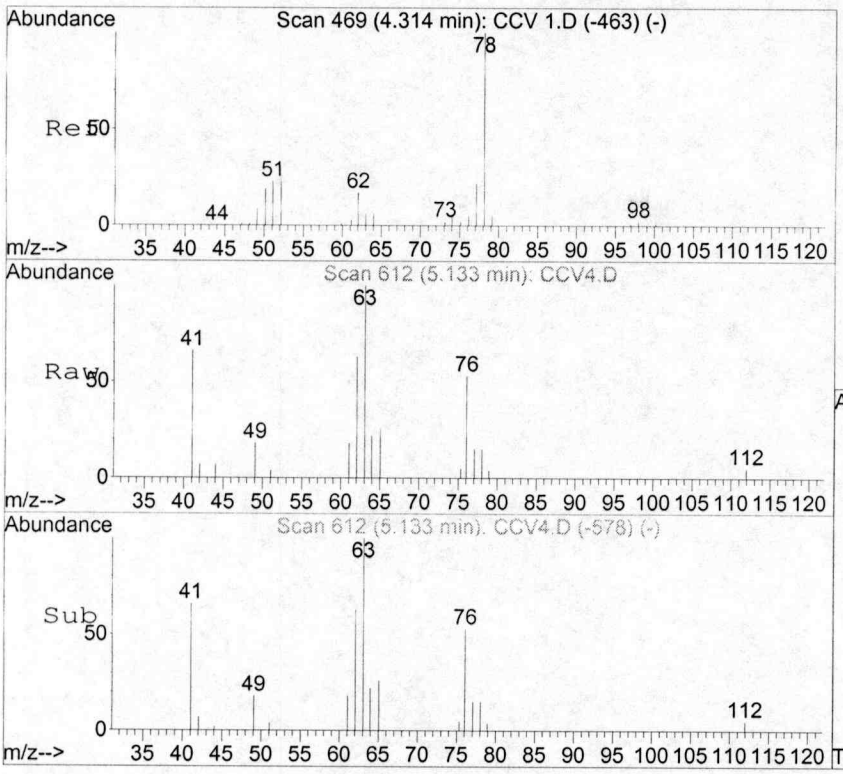


#31
Trichloroethene
Concen: 50.75 ng
RT: 4.98 min Scan# 586
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 95 Resp: 35749

Ion	Ratio	Lower	Upper
95	100		
132	94.8	92.0	152.0
130	96.9	88.9	148.9

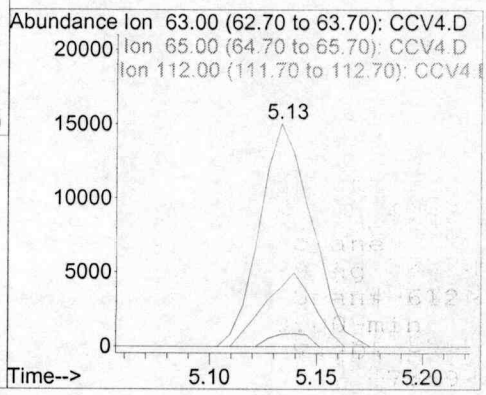


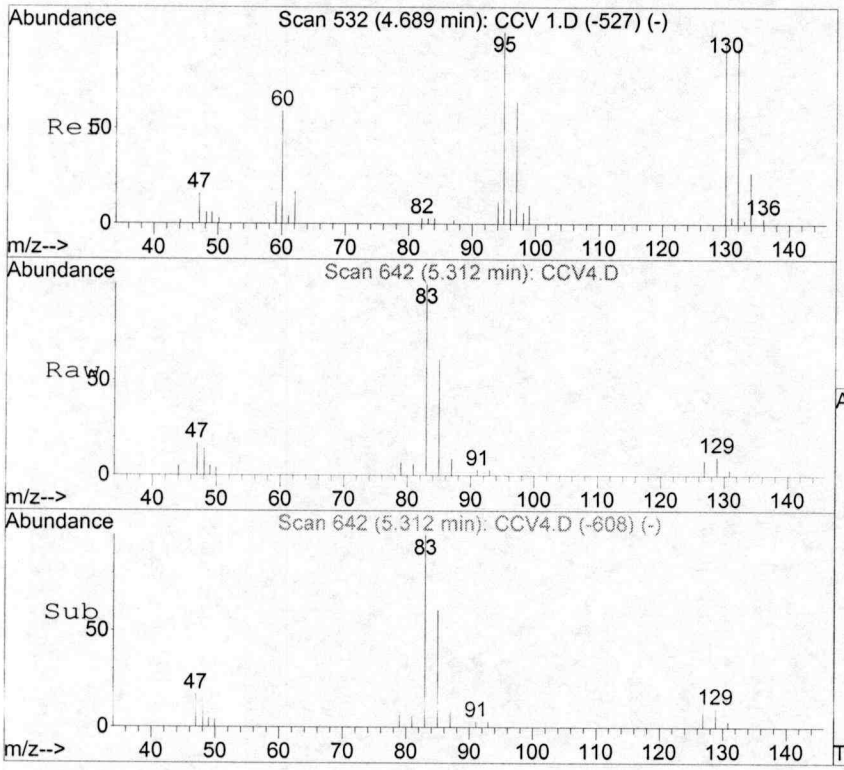


#32
1,2-Dichloropropane
Concen: 45.99 ng
RT: 5.13 min Scan# 612
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 63 Resp: 25382

Ion	Ratio	Lower	Upper
63	100		
65	26.5	0.0	59.5
112	5.5	0.0	34.6

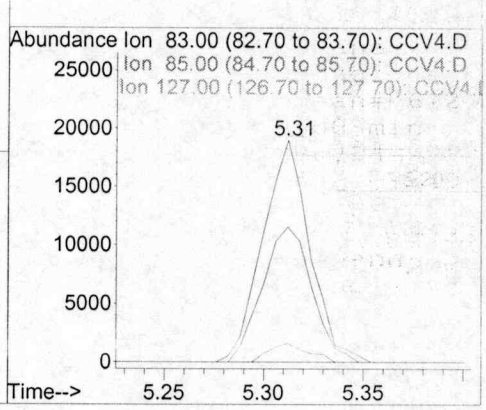


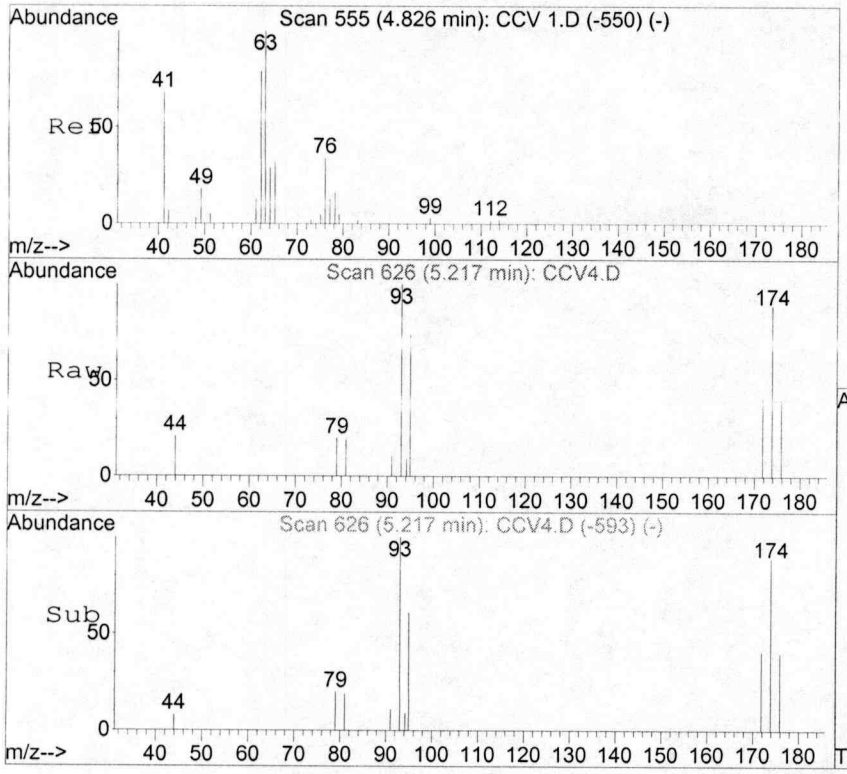


#33
Bromodichloromethane
Concen: 51.51 ng
RT: 5.31 min Scan# 642
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 83 Resp: 31073

Ion	Ratio	Lower	Upper
83	100		
85	60.9	33.6	93.6
127	8.4	0.0	41.0

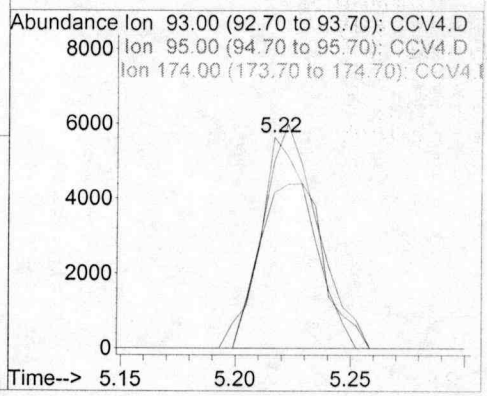


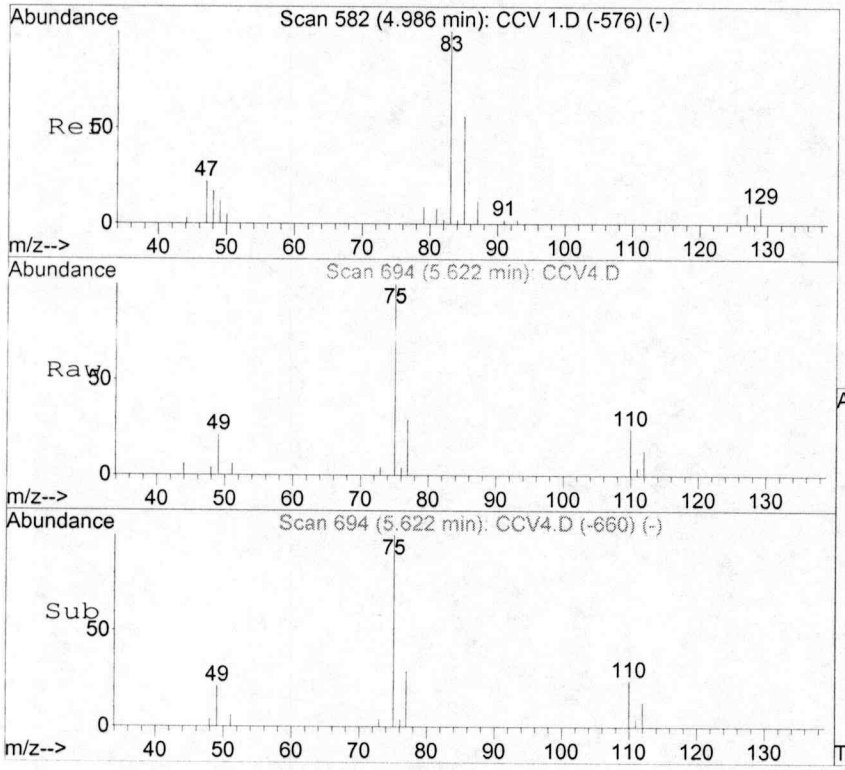


#34
Dibromomethane
Concen: 49.38 ng
RT: 5.22 min Scan# 626
Delta R.T. -0.01 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 93 Resp: 9460

Ion	Ratio	Lower	Upper
93	100		
95	73.8	55.8	115.8
174	88.7	79.1	139.1

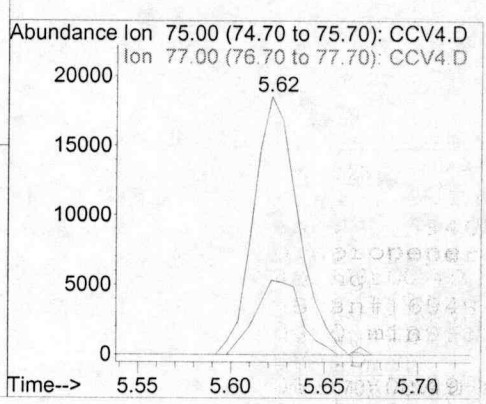


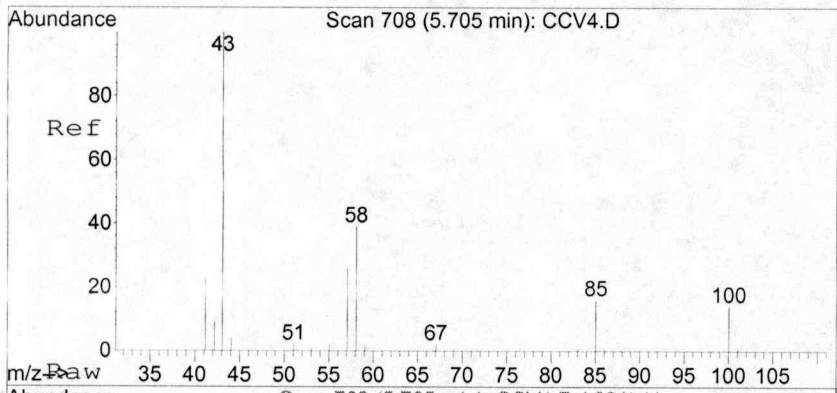


#35
cis-1,3-Dichloropropene
Concen: 49.40 ng
RT: 5.62 min Scan# 694
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 75 Resp: 30916

Ion	Ratio	Lower	Upper
75	100		
77	28.7	0.0	57.2

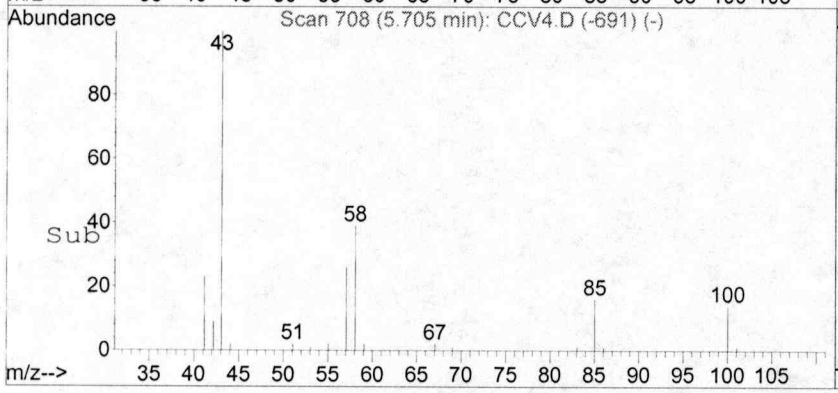


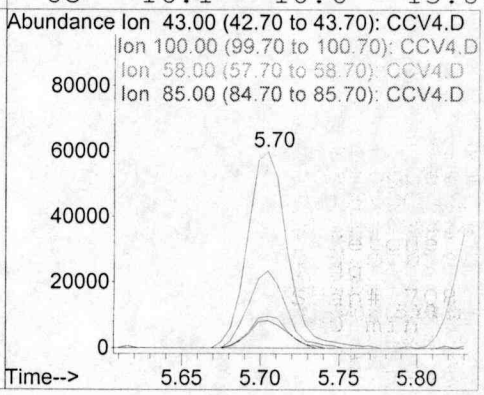


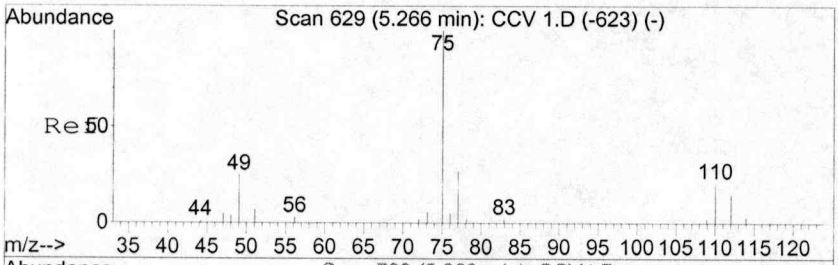
#36
Methyl Isobutyl Ketone
Concen: 475.91 ng
RT: 5.70 min Scan# 708
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 43 Resp: 105444

Ion	Ratio	Lower	Upper
43	100		
100	14.0	9.9	14.9
58	39.1	29.9	44.9
85	16.1	10.6	15.8#



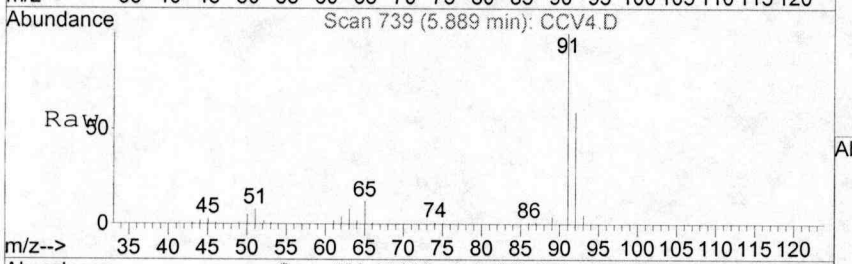


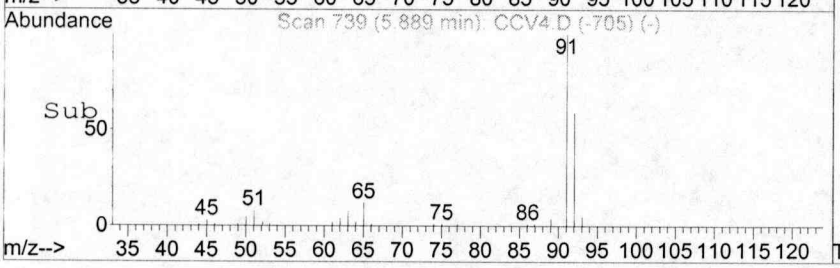


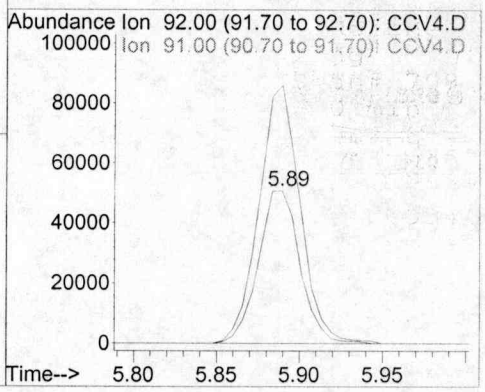
#38
Toluene*
Concen: 49.19 ng
RT: 5.89 min Scan# 739
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

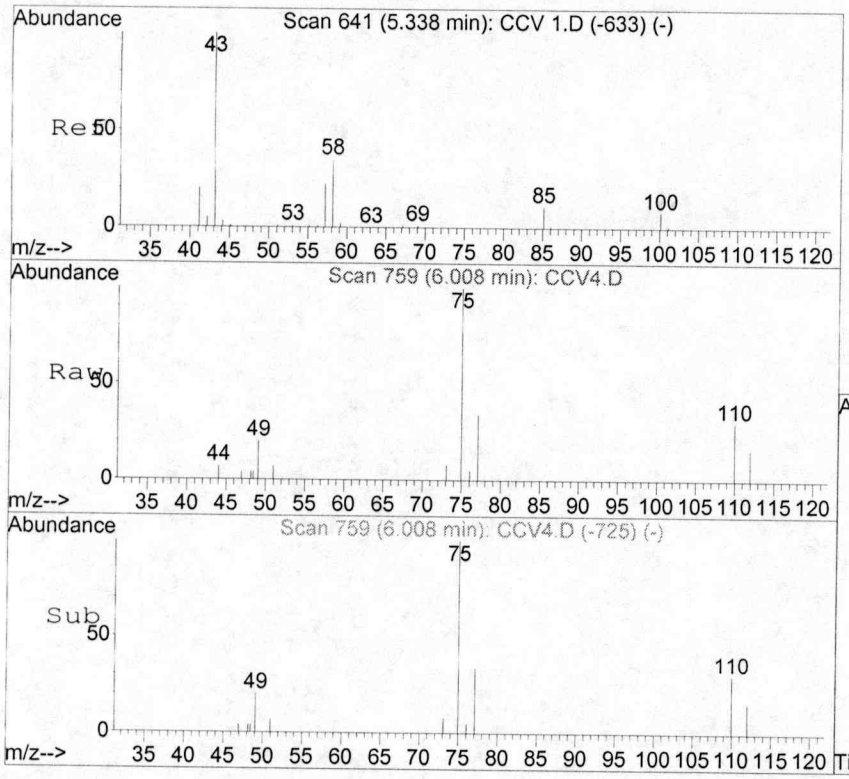
Tgt Ion: 92 Resp: 88673

Ion	Ratio	Lower	Upper
92	100		
91	169.1	130.7	190.7





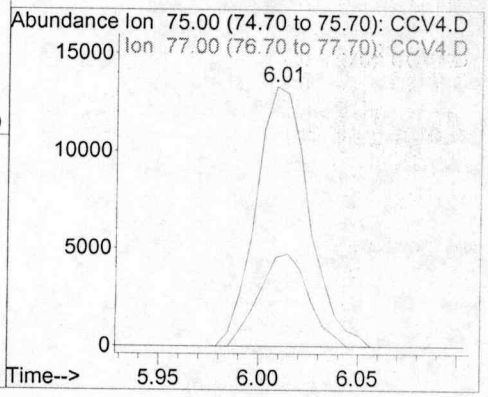


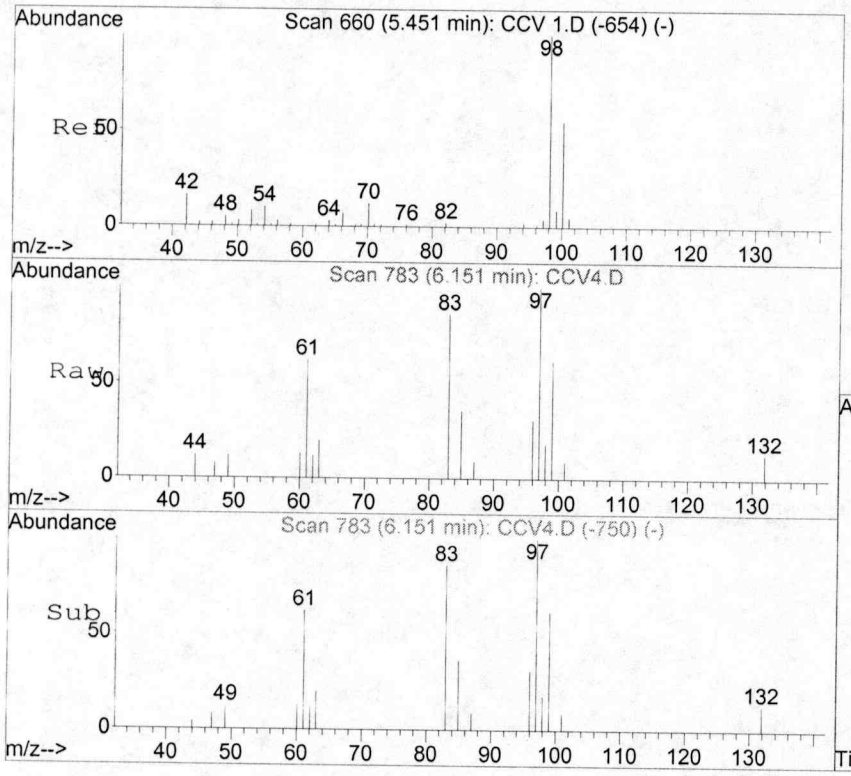


#39
trans-1,3-Dichloropropene
Concen: 50.19 ng
RT: 6.01 min Scan# 759
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 75 Resp: 24537

Ion	Ratio	Lower	Upper
75	100		
77	34.2	0.7	60.7

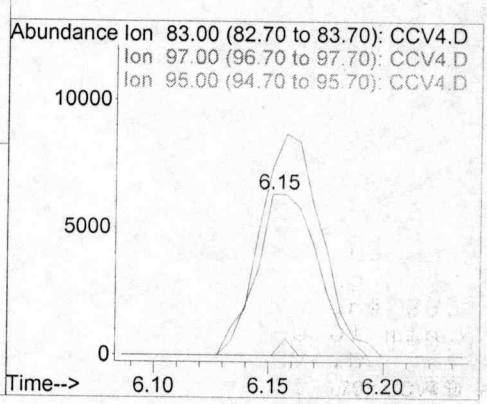


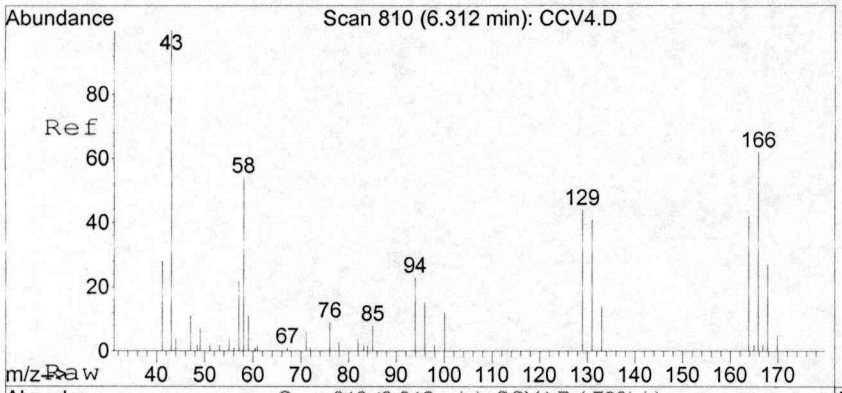


#40
1,1,2-Trichloroethane
Concen: 48.19 ng
RT: 6.15 min Scan# 783
Delta R.T. -0.01 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 83 Resp: 11705

Ion	Ratio	Lower	Upper
83	100		
97	116.5	86.6	146.6
95	0.0	0.0	37.8

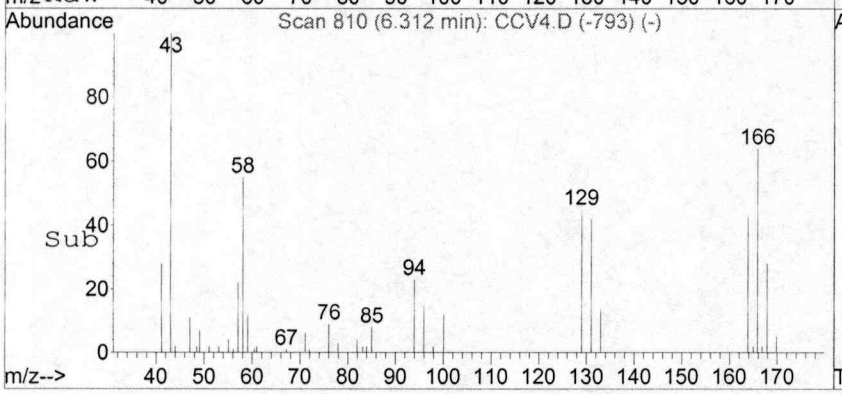


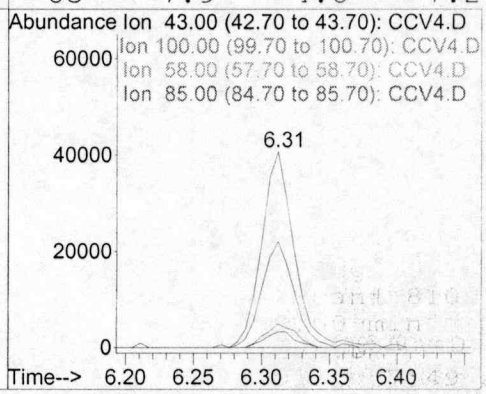


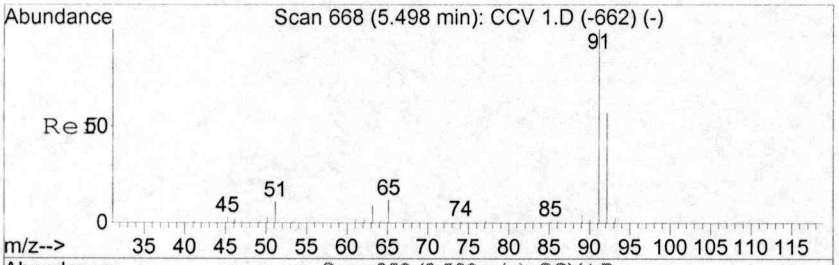
#41
2-Hexanone
Concen: 473.77 ng
RT: 6.31 min Scan# 810
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 43 Resp: 68318

Ion	Ratio	Lower	Upper
43	100		
100	12.1	8.5	12.7
58	54.1	41.6	62.4
85	7.9	4.8	7.2#



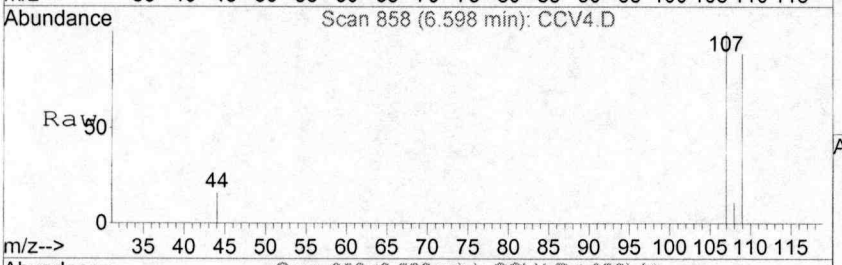


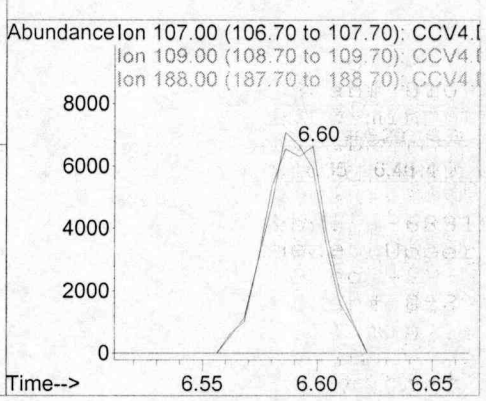


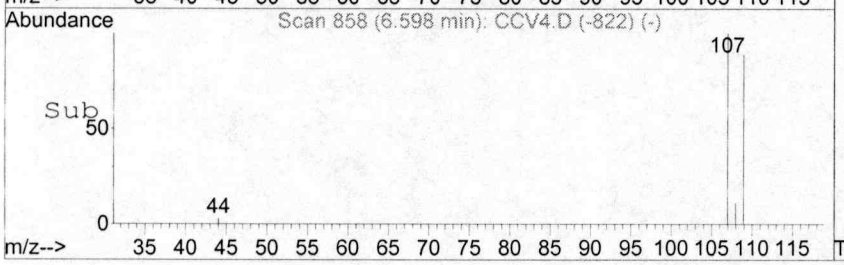
#42
1,2-Dibromoethane
Concen: 48.69 ng
RT: 6.60 min Scan# 858
Delta R.T. 0.01 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

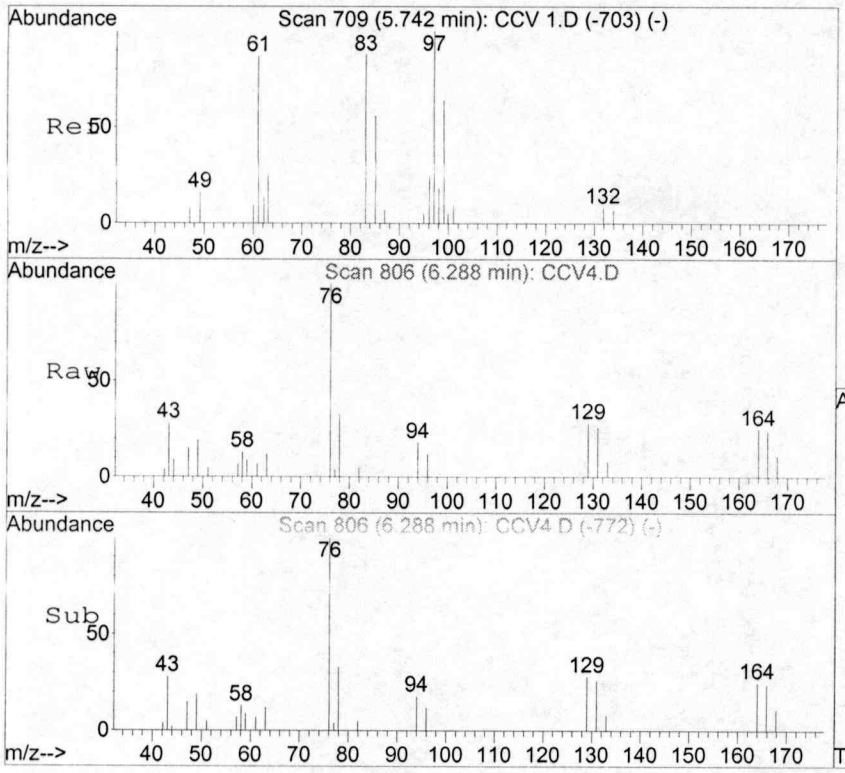
Tgt Ion:107 Resp: 12932

Ion	Ratio	Lower	Upper
107	100		
109	89.2	54.4	114.4
188	0.0	0.0	30.0





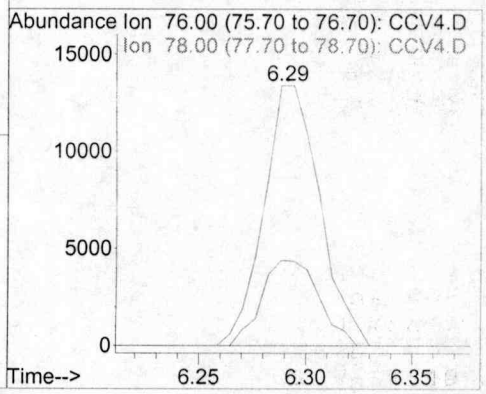


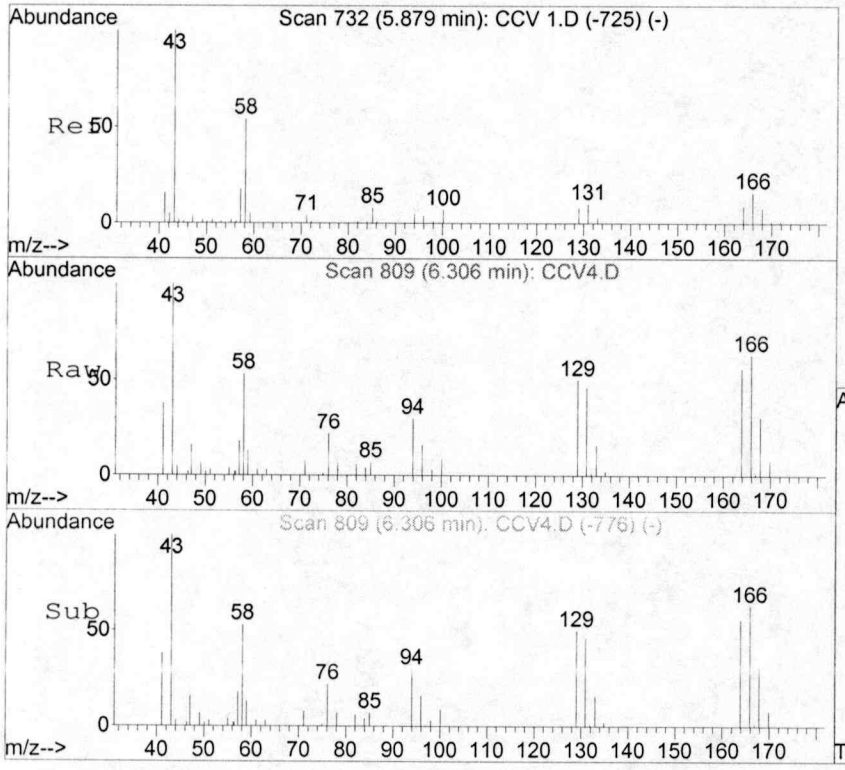


#44
1,3-Dichloropropane
Concen: 46.34 ng
RT: 6.29 min Scan# 806
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 76 Resp: 24318

Ion	Ratio	Lower	Upper
76	100		
78	32.8	0.0	59.3

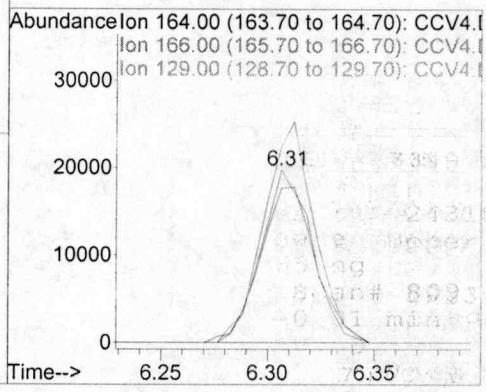


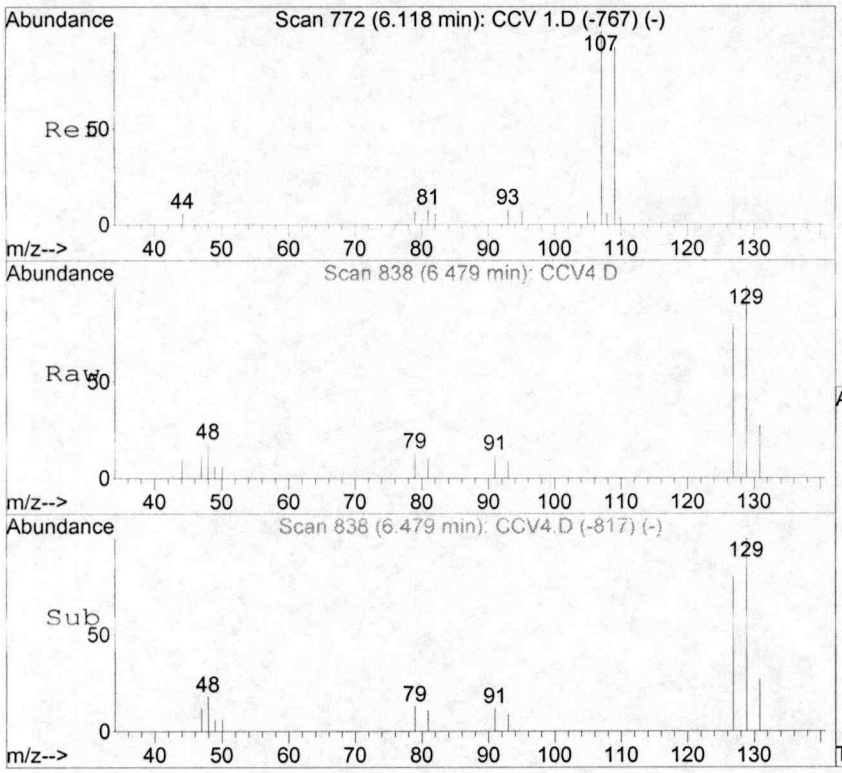


#45
Tetrachloroethene
Concen: 44.65 ng
RT: 6.31 min Scan# 809
Delta R.T. -0.01 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:164 Resp: 33238

Ion	Ratio	Lower	Upper
164	100		
166	113.6	100.1	160.1
129	89.5	59.7	119.7

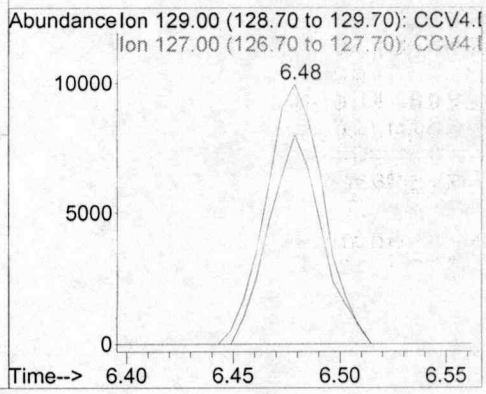


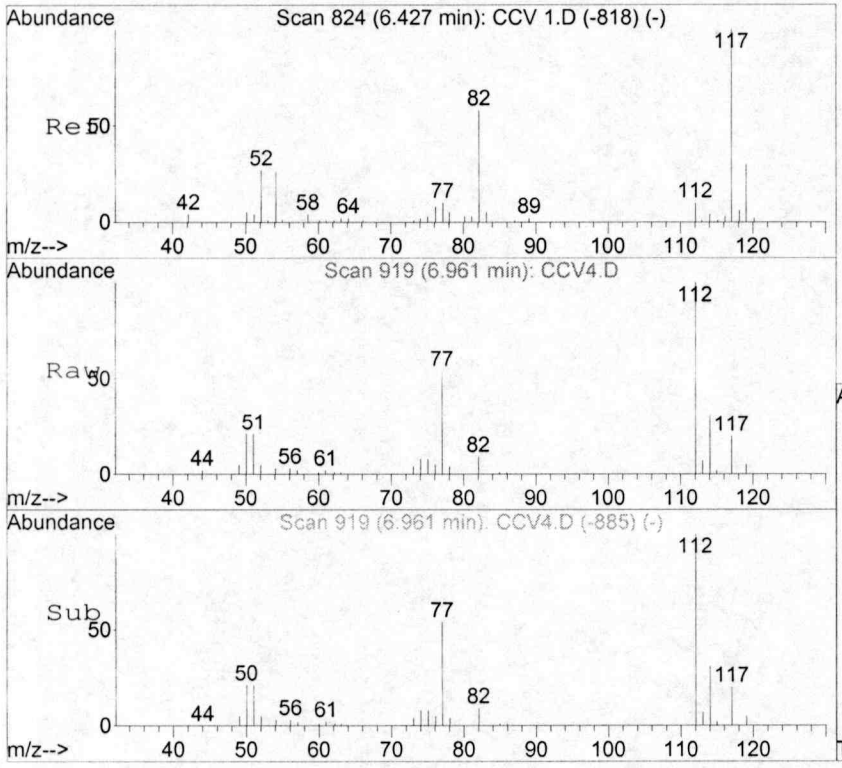


#46
Dibromochloromethane
Concen: 46.39 ng
RT: 6.48 min Scan# 838
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:129 Resp: 18546

Ion	Ratio	Lower	Upper
129	100		
127	80.5	45.2	105.2

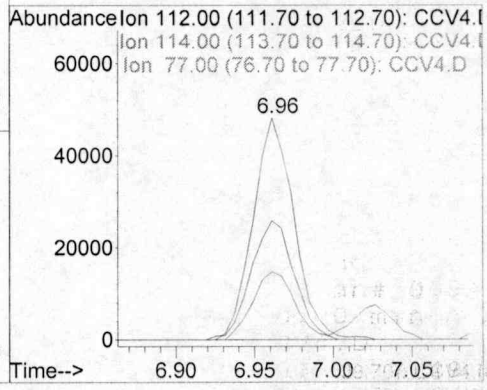


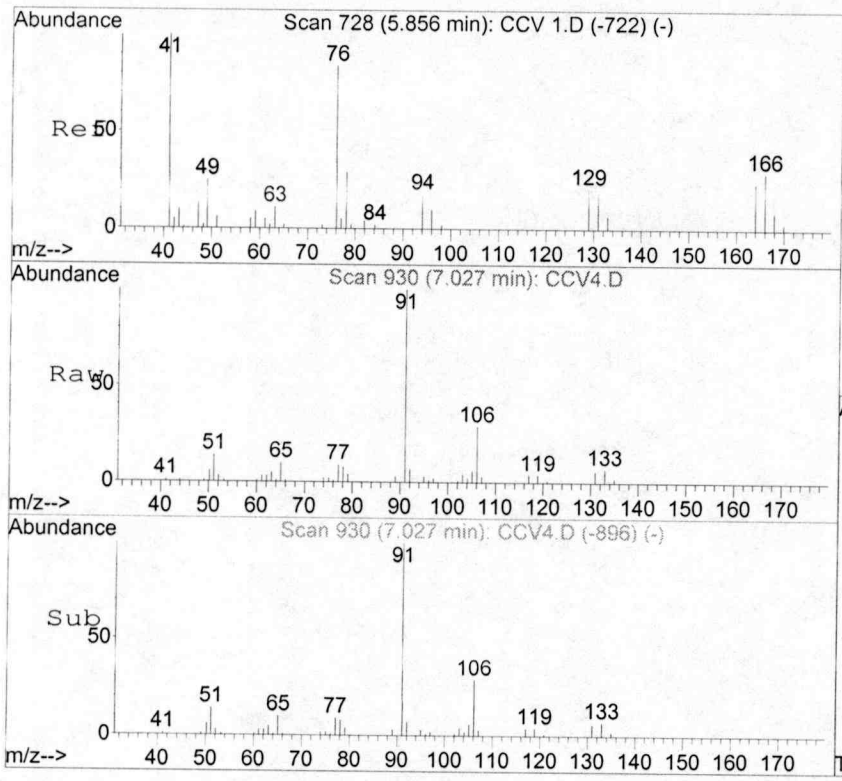


#47
Chlorobenzene
Concen: 47.82 ng
RT: 6.96 min Scan# 919
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:112 Resp: 87489

Ion	Ratio	Lower	Upper
112	100		
114	30.6	2.1	62.1
77	53.8	19.9	79.9

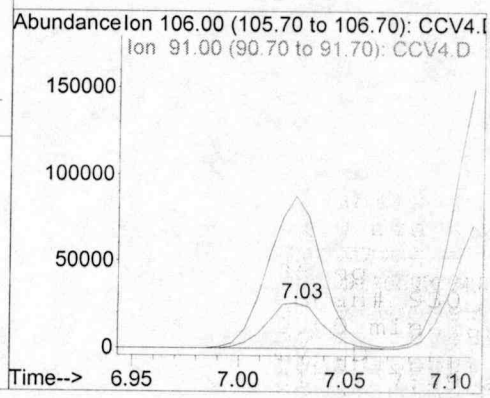


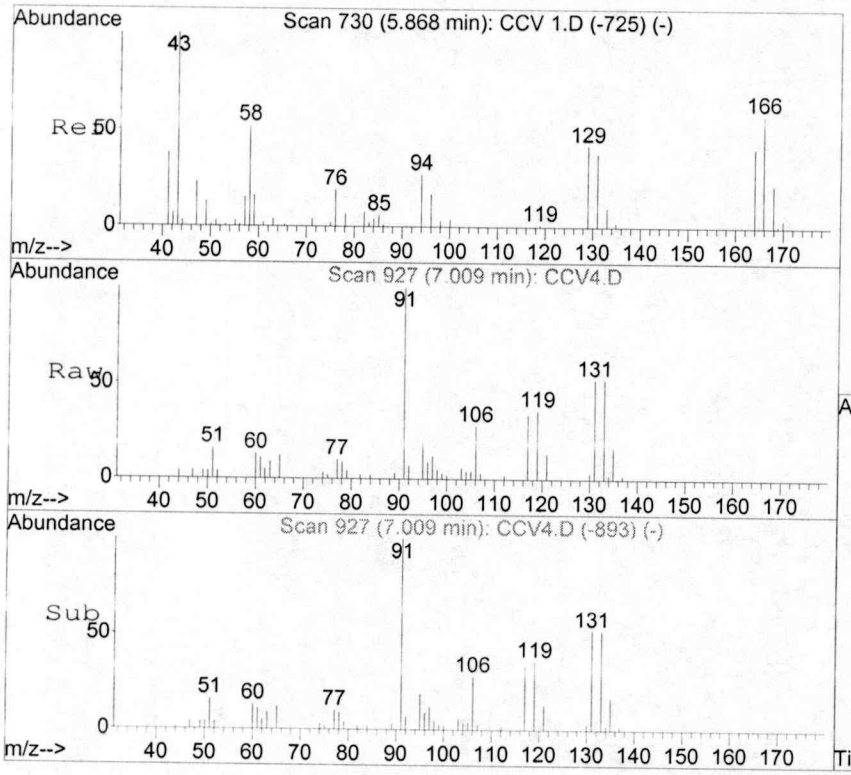


#48
Ethylbenzene*
Concen: 48.36 ng
RT: 7.03 min Scan# 930
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:106 Resp: 46629

Ion	Ratio	Lower	Upper
106	100		
91	339.5	288.8	348.8

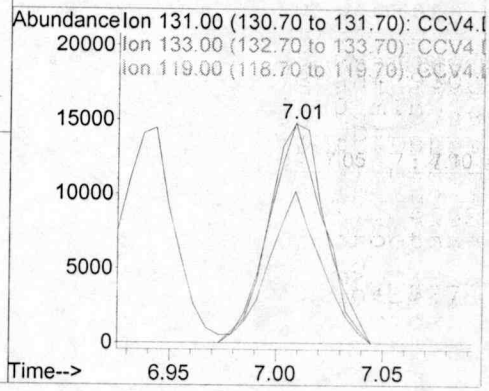


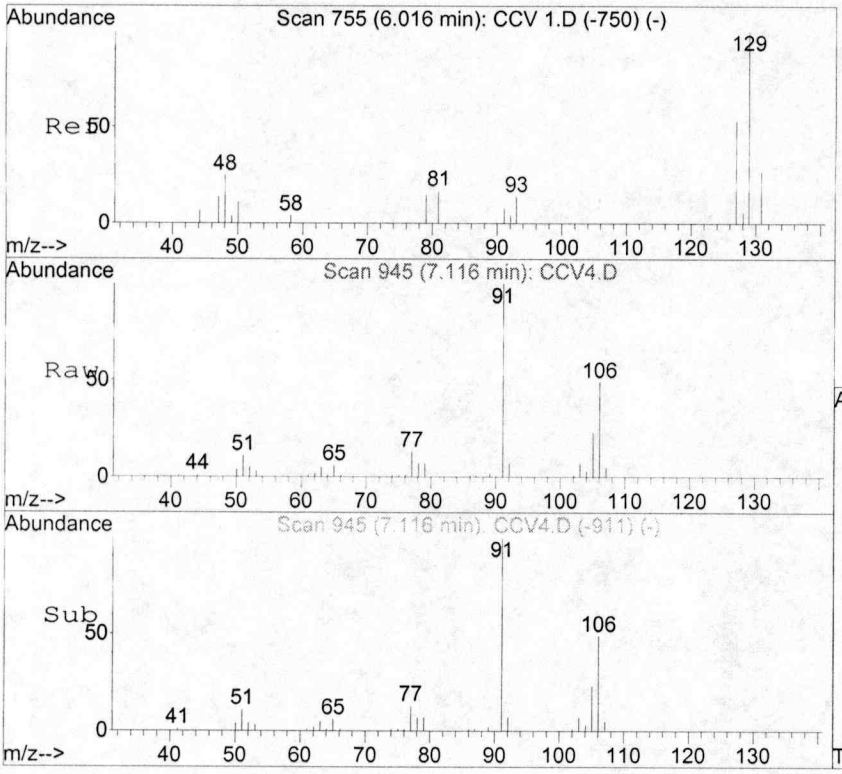


#49
1,1,1,2-Tetrachloroethane
Concen: 46.82 ng
RT: 7.01 min Scan# 927
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:131 Resp: 27744

Ion	Ratio	Lower	Upper
131	100		
133	100.5	59.8	119.8
119	69.1	31.3	91.3

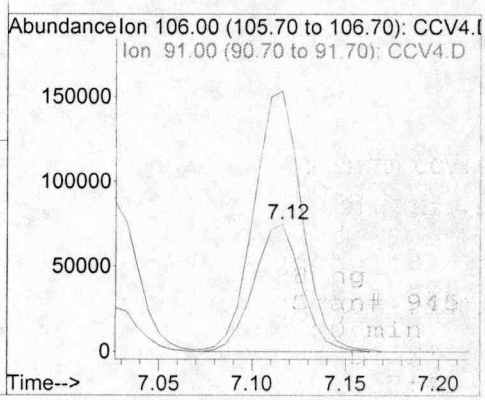


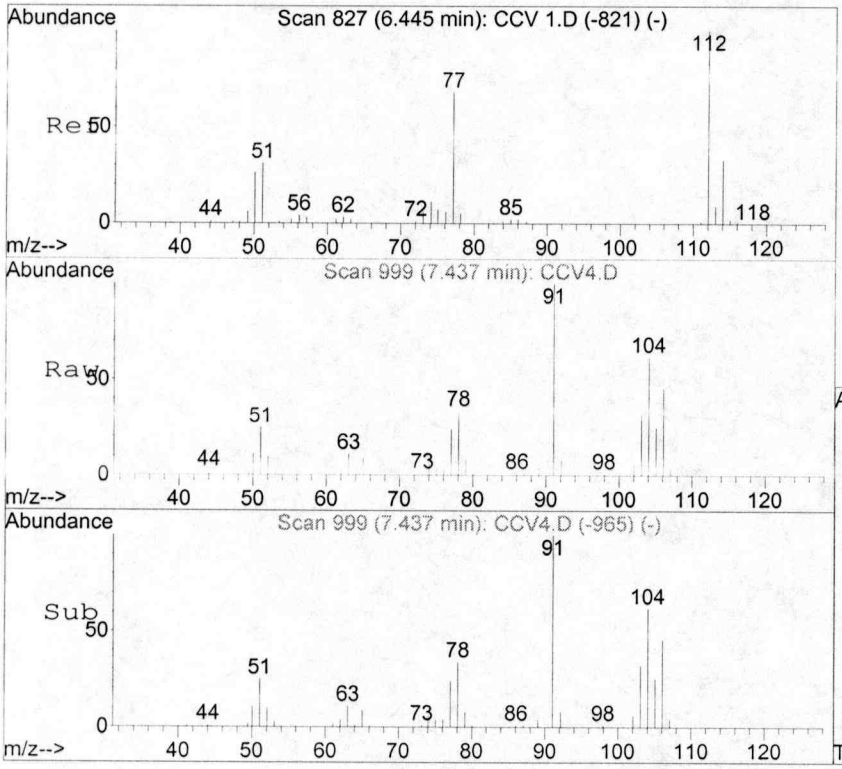


#50
m,p-Xylene*
Concen: 102.98 ng
RT: 7.12 min Scan# 945
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:106 Resp: 132198

Ion	Ratio	Lower	Upper
106	100		
91	204.3	163.0	223.0

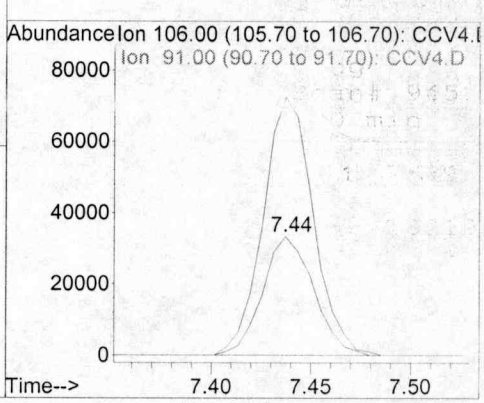


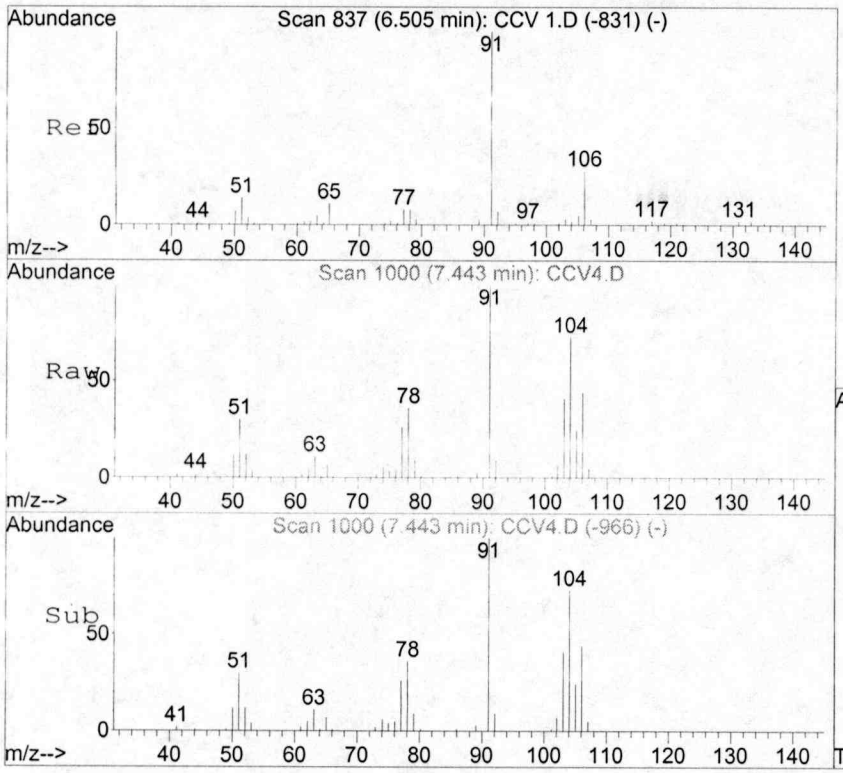


#51
o-Xylene*
Concen: 52.48 ng
RT: 7.44 min Scan# 999
Delta R.T. -0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:106 Resp: 59099

Ion	Ratio	Lower	Upper
106	100		
91	217.1	180.2	240.2

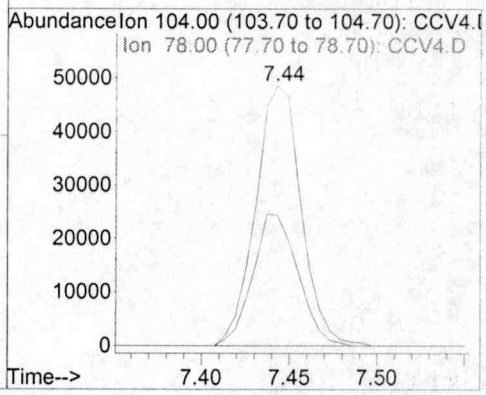


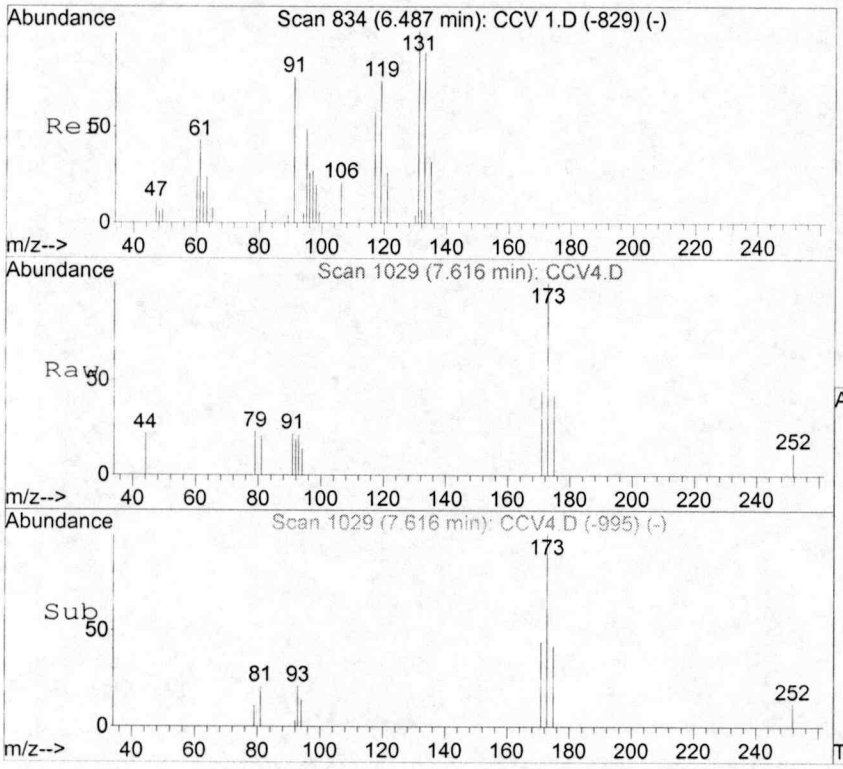


#52
Styrene
Concen: 53.66 ng
RT: 7.44 min Scan# 1000
Delta R.T. -0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:104 Resp: 87315

Ion	Ratio	Lower	Upper
104	100		
78	50.0	14.5	74.5

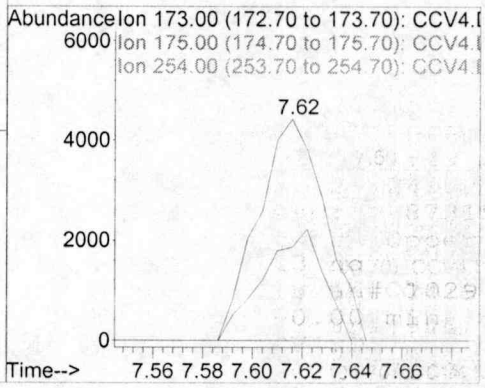


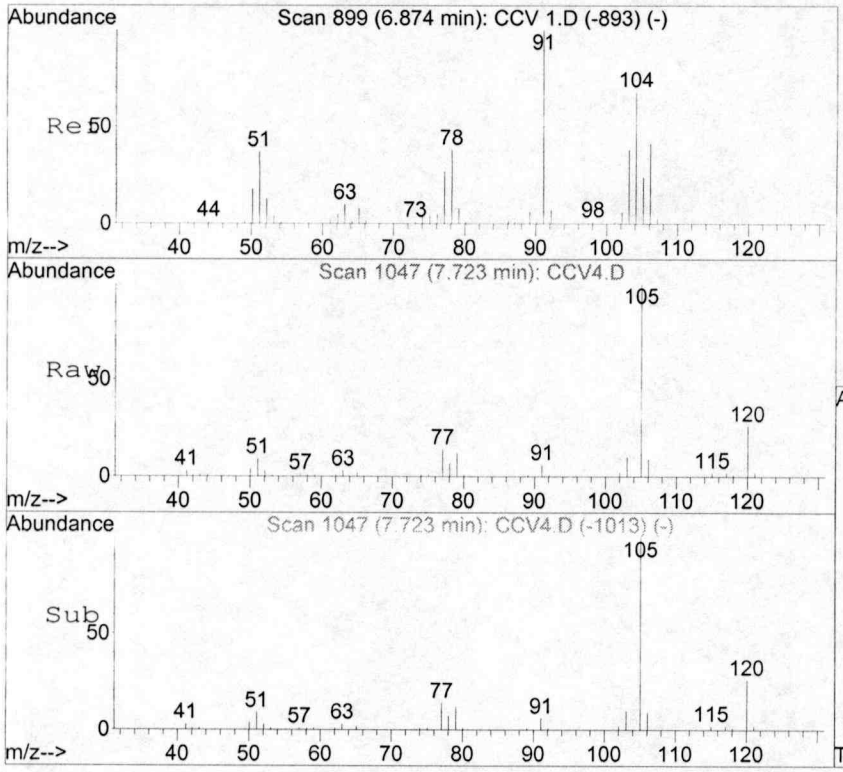


#53
Bromoform
Concen: 44.13 ng
RT: 7.62 min Scan# 1029
Delta R.T. -0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:173 Resp: 8298

Ion	Ratio	Lower	Upper
173	100		
175	42.2	13.8	73.8
254	0.0	0.0	39.1

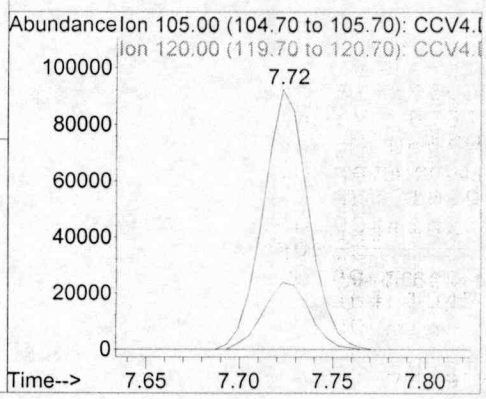


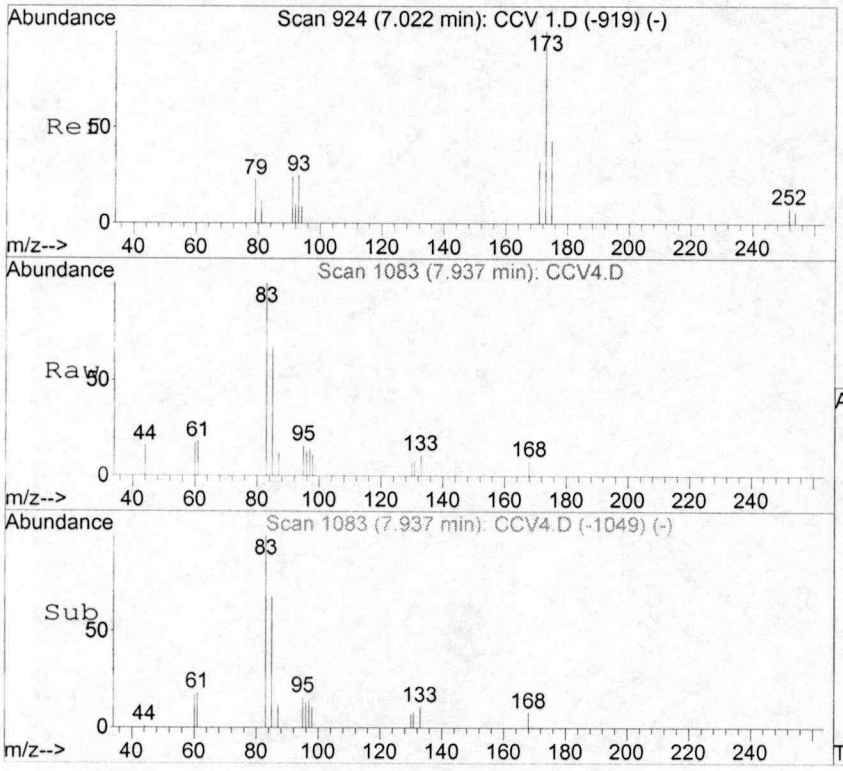


#56
Isopropylbenzene
Concen: 56.82 ng
RT: 7.72 min Scan# 1047
Delta R.T. -0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:105 Resp: 155431

Ion	Ratio	Lower	Upper
105	100		
120	25.8	0.0	56.6

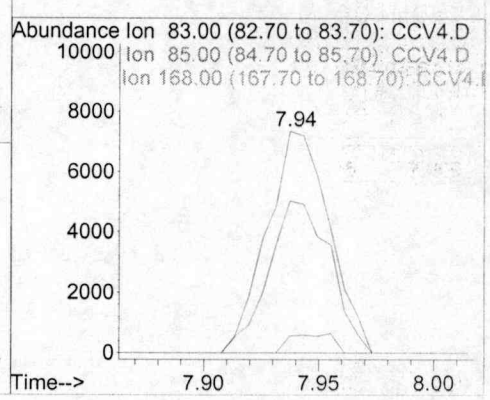


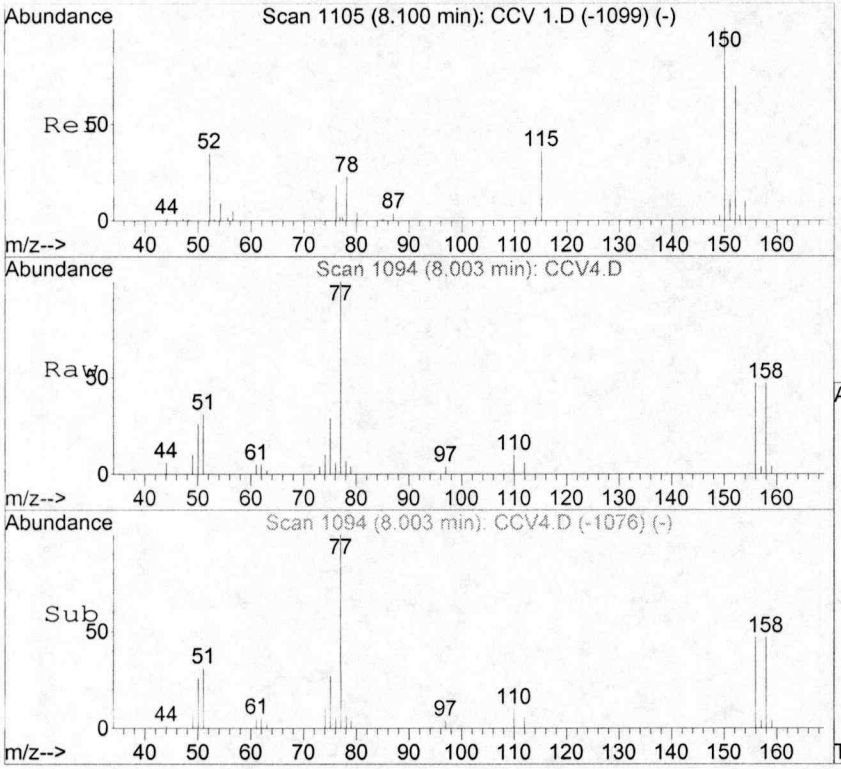


#57
1,1,2,2-Tetrachloroethane
Concen: 42.23 ng
RT: 7.94 min Scan# 1083
Delta R.T. -0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 83 Resp: 13882

Ion	Ratio	Lower	Upper
83	100		
85	68.3	27.0	87.0
168	7.7	0.0	39.7

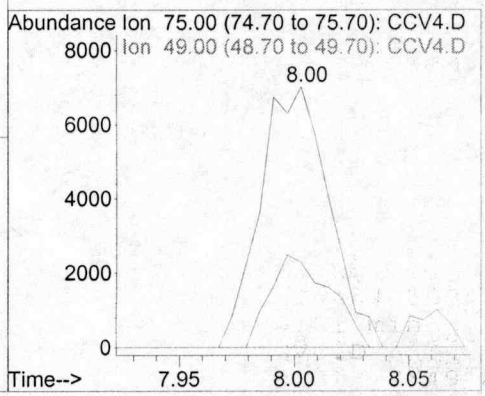


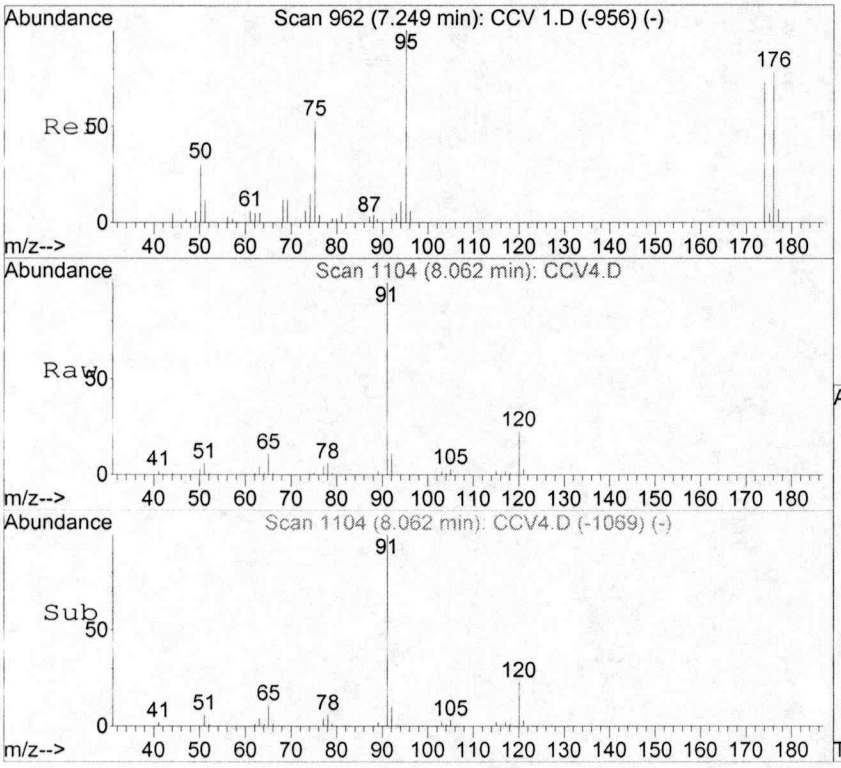


#58
1,2,3-Trichloropropane
Concen: 49.32 ng
RT: 8.00 min Scan# 1094
Delta R.T. 0.01 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 75 Resp: 14584

Ion	Ratio	Lower	Upper
75	100		
49	32.6	5.4	65.4

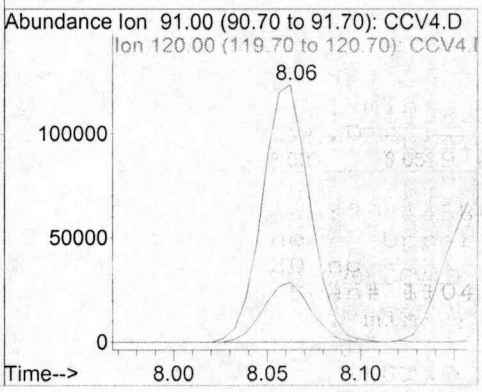


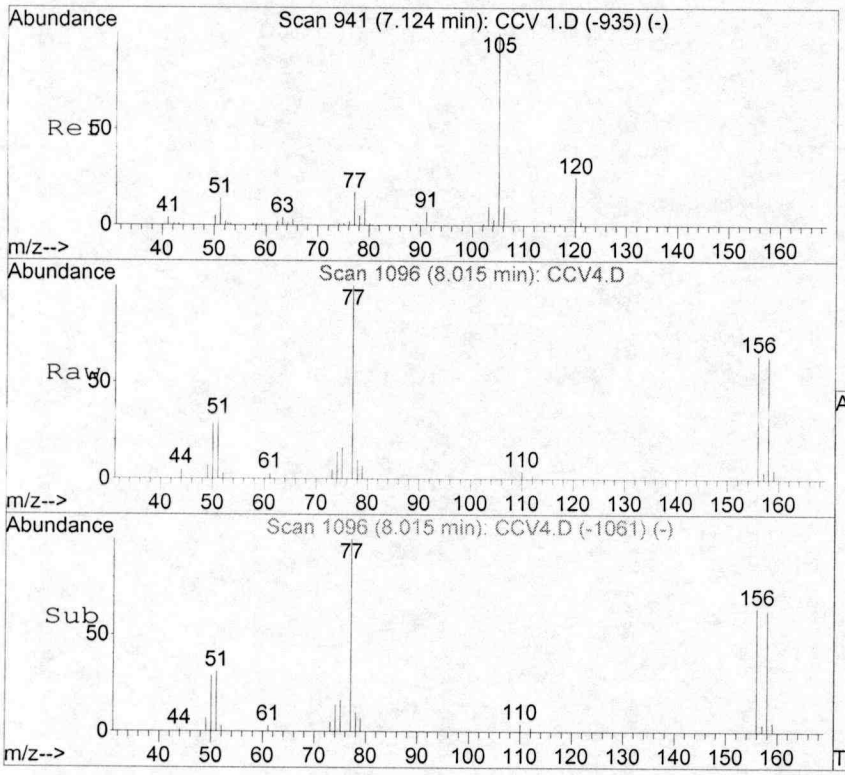


#59
n-Propylbenzene
Concen: 60.20 ng
RT: 8.06 min Scan# 1104
Delta R.T. 0.01 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 91 Resp: 218322

Ion	Ratio	Lower	Upper
91	100		
120	23.2	0.0	54.5

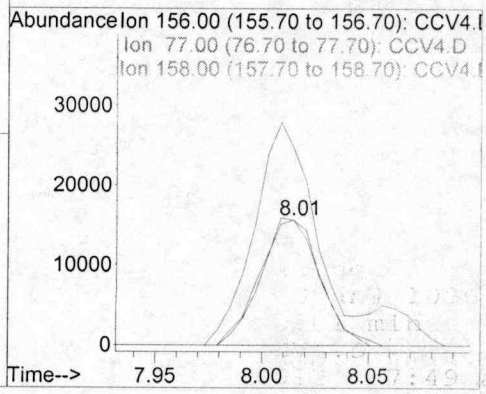


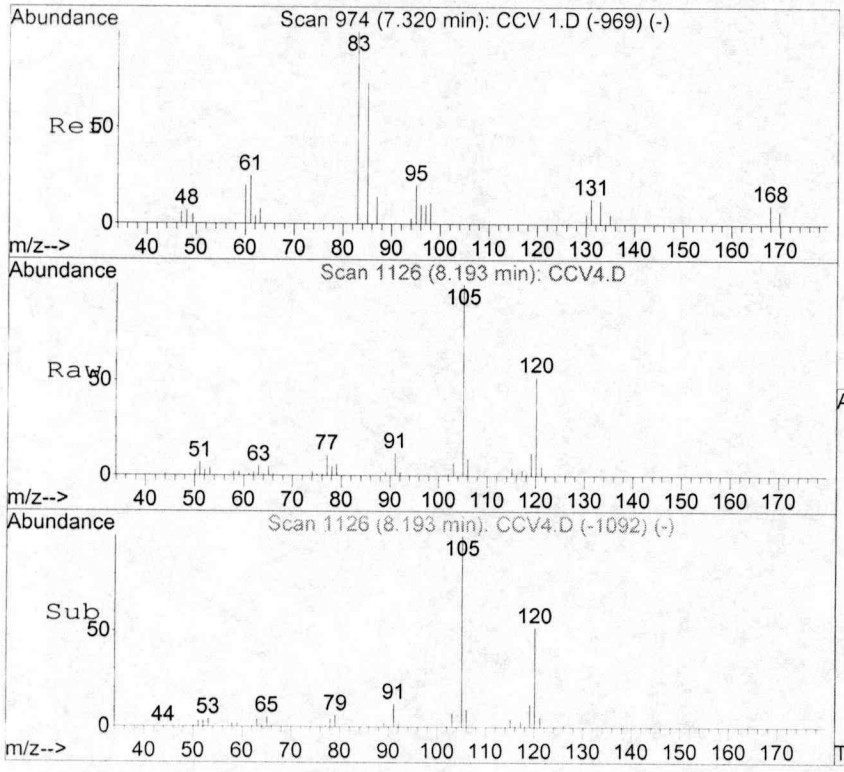


#60
Bromobenzene
Concen: 46.22 ng
RT: 8.01 min Scan# 1096
Delta R.T. 0.01 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:156 Resp: 30535

Ion	Ratio	Lower	Upper
156	100		
77	157.2	107.4	167.4
158	99.7	66.0	126.0

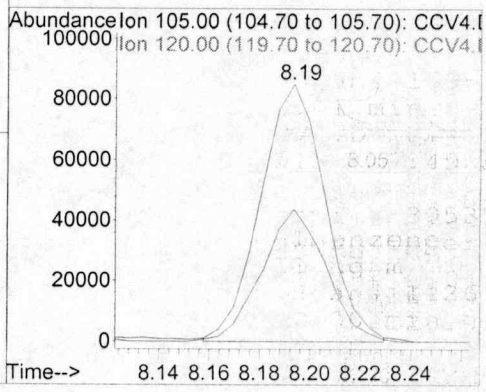


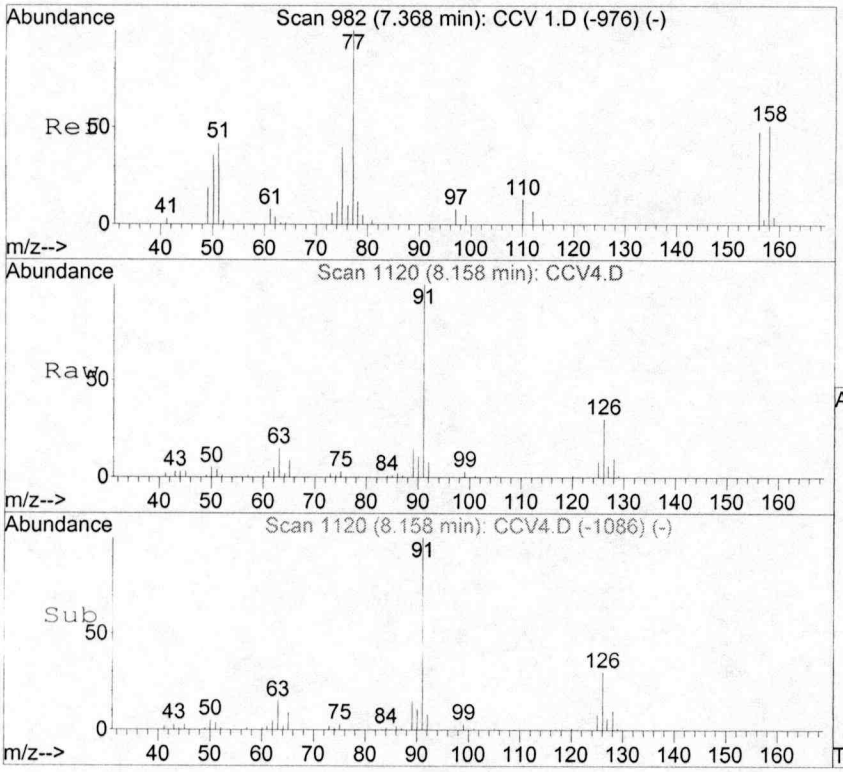


#61
1,3,5-Trimethylbenzene
Concen: 60.11 ng m
RT: 8.19 min Scan# 1126
Delta R.T. -0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:105 Resp: 150901

Ion	Ratio	Lower	Upper
105	100		
120	51.6	23.6	83.6

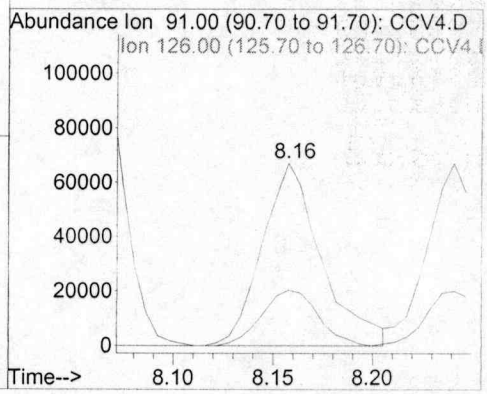


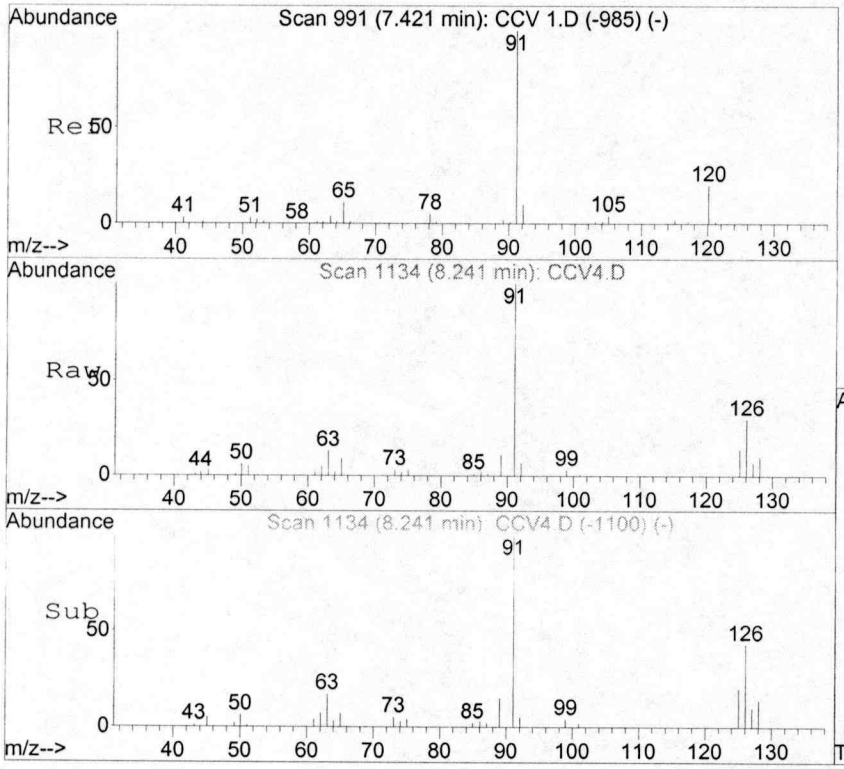


#62
2-Chlorotoluene
Concen: 59.01 ng
RT: 8.16 min Scan# 1120
Delta R.T. -0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 91 Resp: 137781

Ion	Ratio	Lower	Upper
91	100		
126	30.3	7.1	67.1

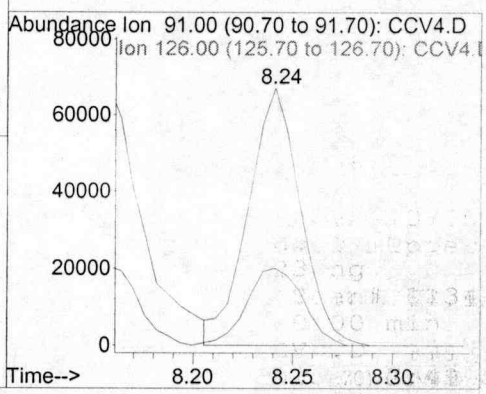


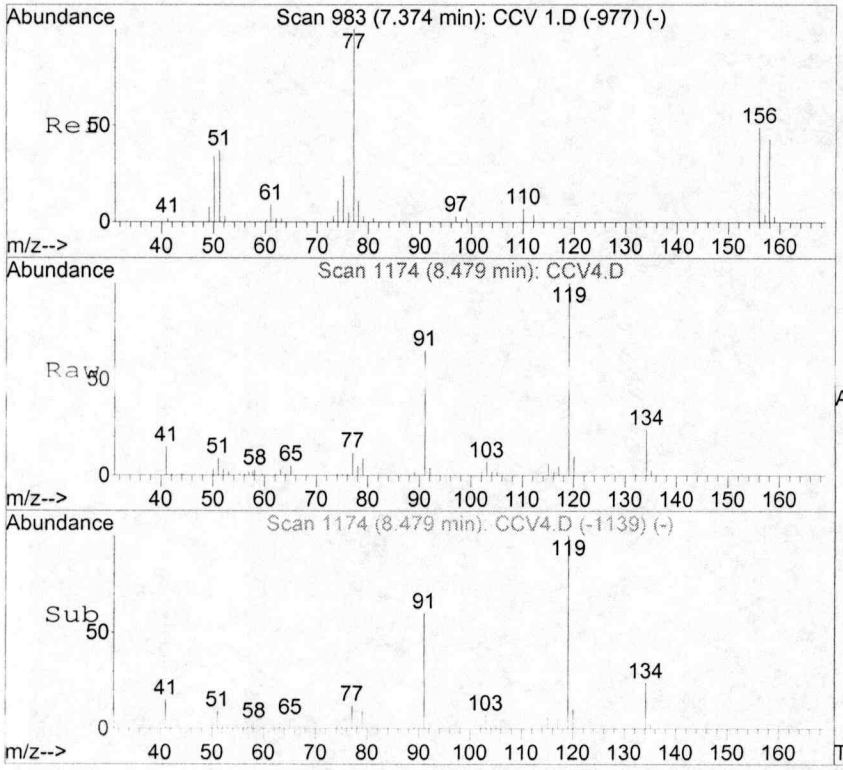


#63
4-Chlorotoluene
Concen: 58.23 ng
RT: 8.24 min Scan# 1134
Delta R.T. -0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 91 Resp: 121770

Ion	Ratio	Lower	Upper
91	100		
126	29.9	3.3	63.3

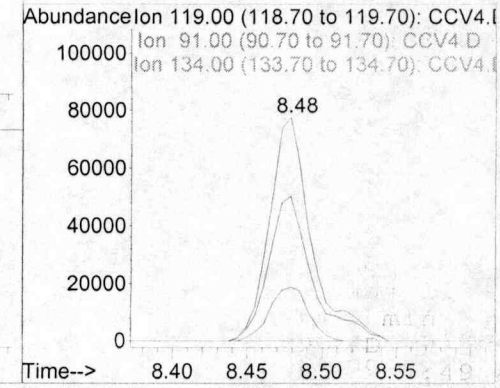


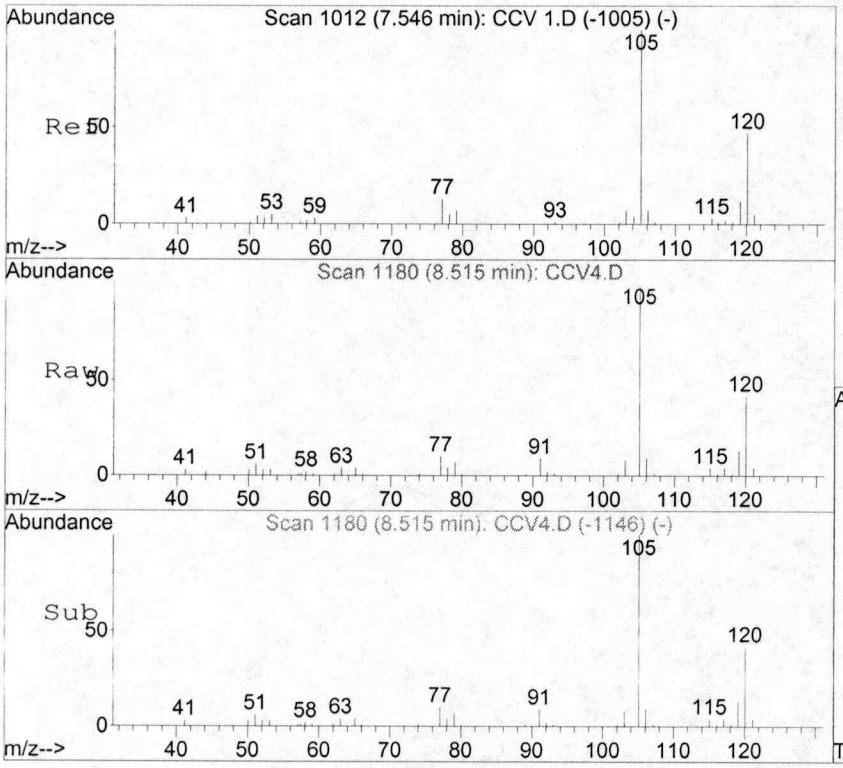


#64
tert-Butylbenzene
Concen: 56.60 ng
RT: 8.48 min Scan# 1174
Delta R.T. 0.01 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:119 Resp: 152399

Ion	Ratio	Lower	Upper
119	100		
91	64.8	28.8	88.8
134	24.2	0.0	55.4

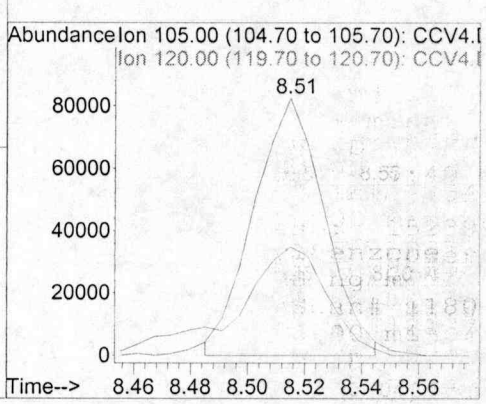


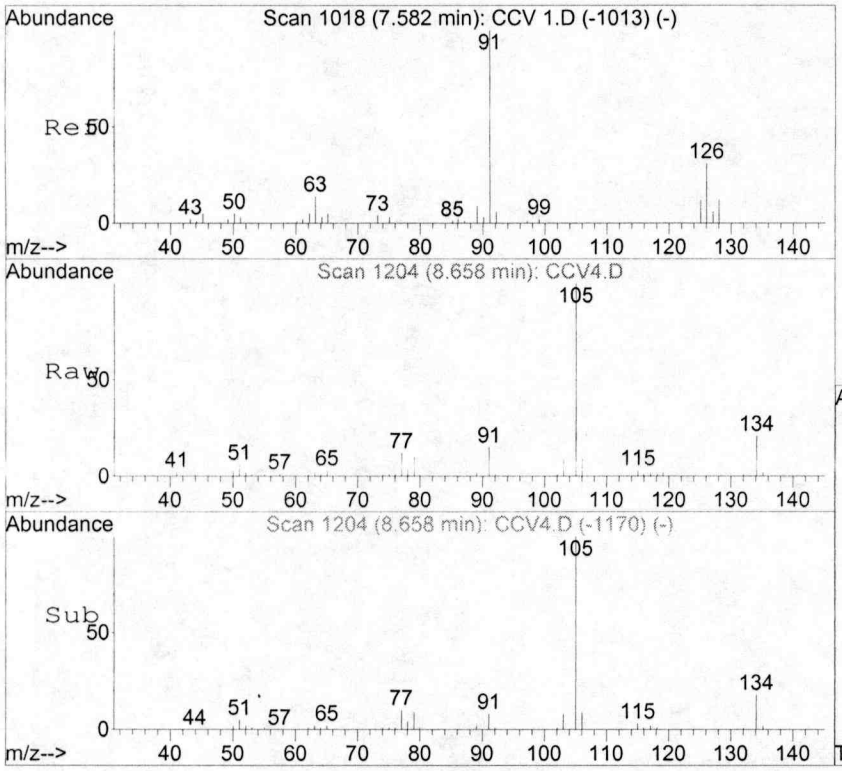


#65
1,2,4-Trimethylbenzene
Concen: 59.78 ng m
RT: 8.51 min Scan# 1180
Delta R.T. -0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:105 Resp: 141707

Ion	Ratio	Lower	Upper
105	100		
120	42.2	21.3	81.3

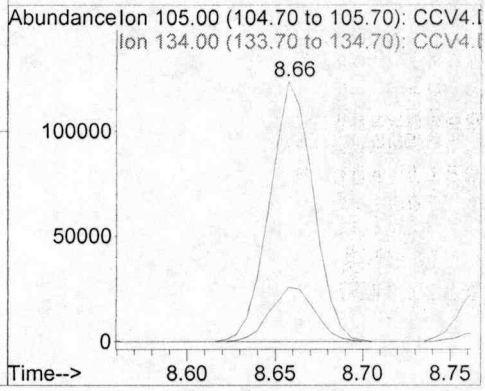


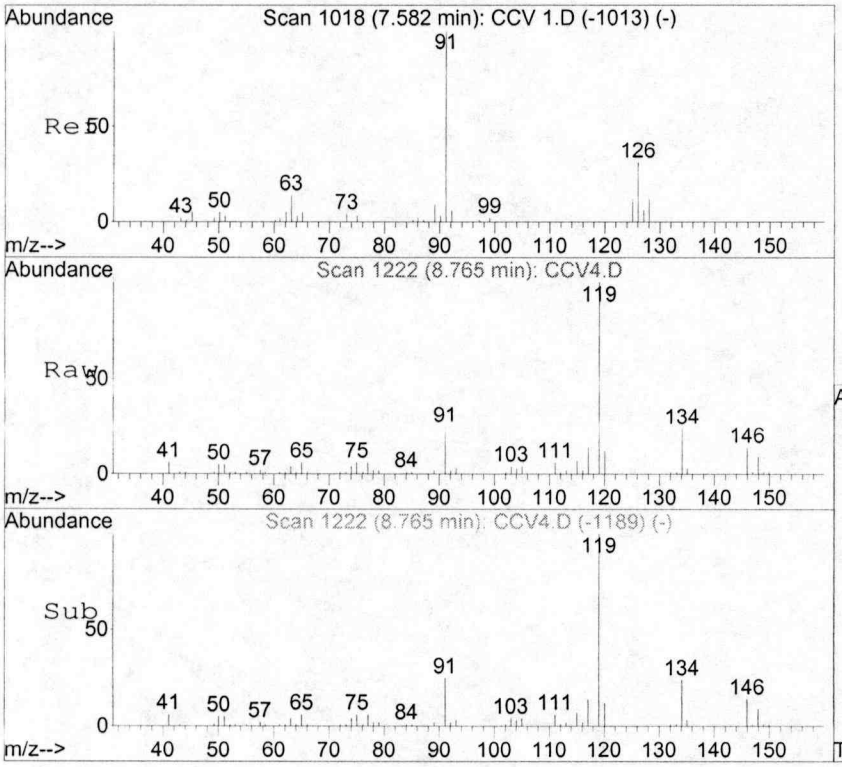


#66
sec-Butylbenzene
Concen: 61.58 ng
RT: 8.66 min Scan# 1204
Delta R.T. -0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:105 Resp: 212863

Ion	Ratio	Lower	Upper
105	100		
134	20.8	0.0	51.7

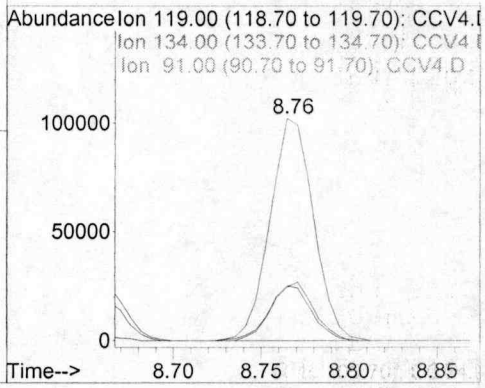


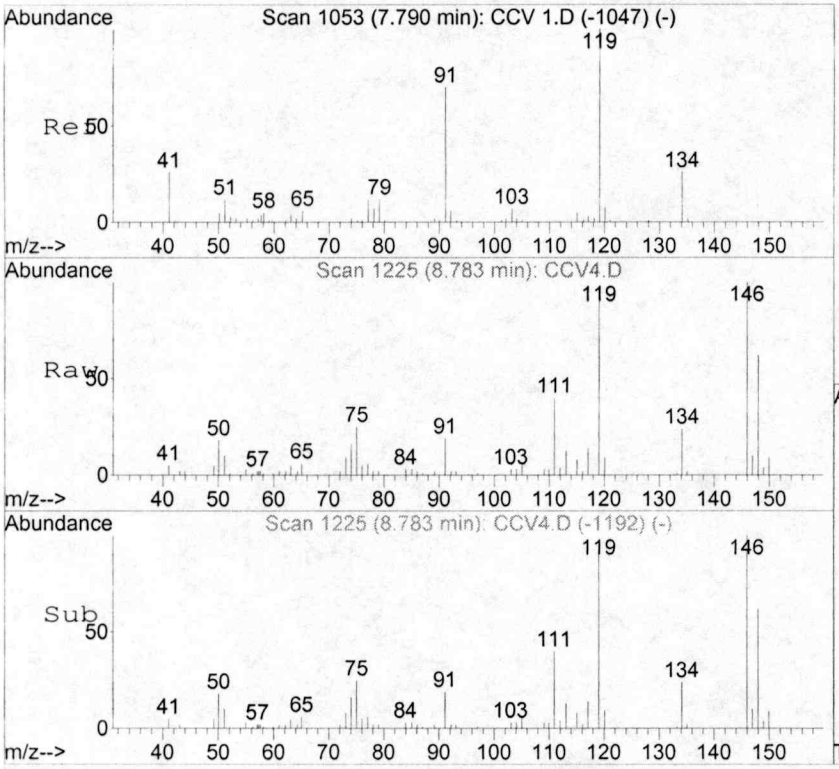


#67
p-Isopropyltoluene
Concen: 61.92 ng
RT: 8.76 min Scan# 1222
Delta R.T. -0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:119 Resp: 176054

Ion	Ratio	Lower	Upper
119	100		
134	24.1	0.0	58.2
91	24.7	0.0	52.0

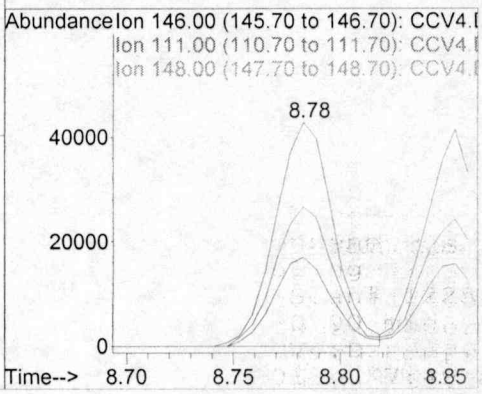


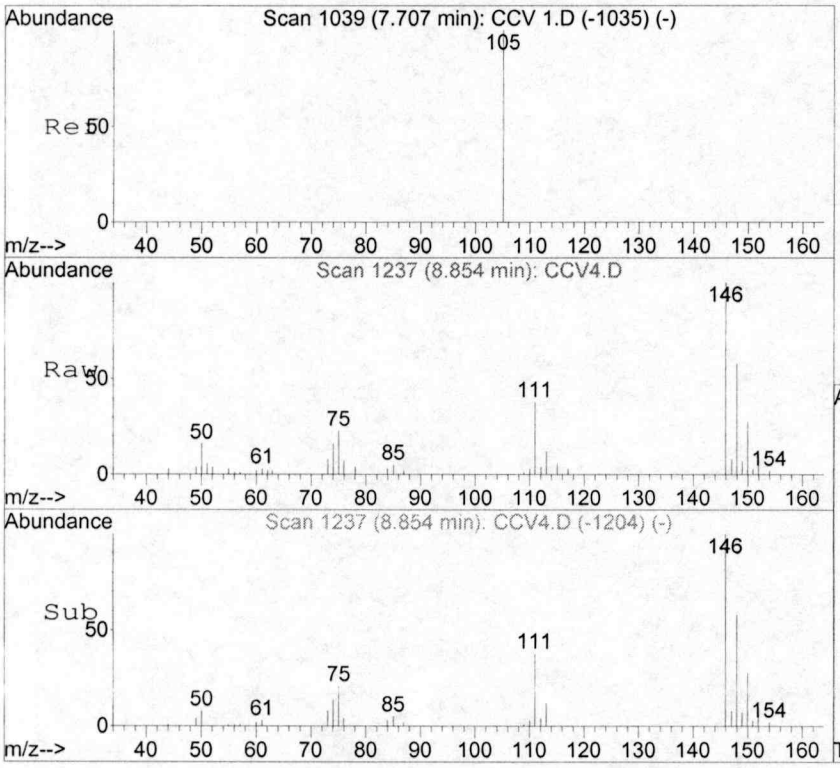


#68
1,3-Dichlorobenzene
Concen: 52.51 ng
RT: 8.78 min Scan# 1225
Delta R.T. -0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:146 Resp: 80673

Ion	Ratio	Lower	Upper
146	100		
111	39.7	9.5	69.5
148	62.2	34.2	94.2

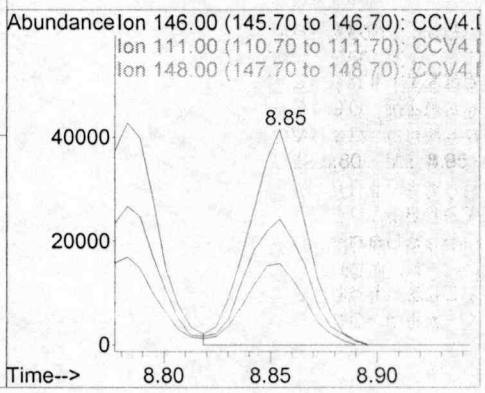


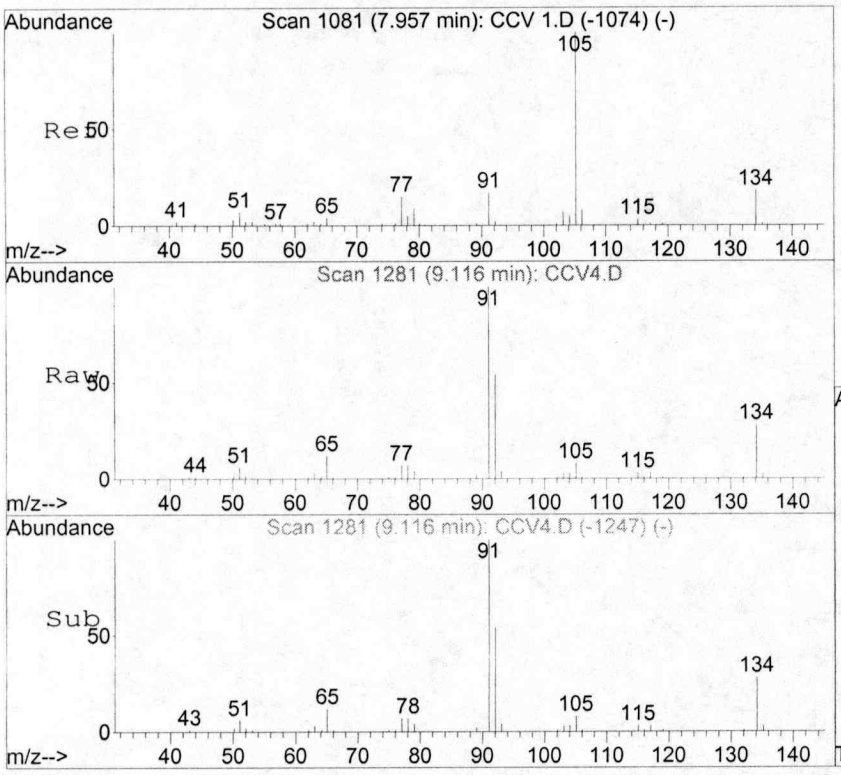


#69
1,4-Dichlorobenzene
Concen: 51.94 ng
RT: 8.85 min Scan# 1237
Delta R.T. -0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:146 Resp: 75694

Ion	Ratio	Lower	Upper
146	100		
111	37.9	3.3	63.3
148	58.5	35.5	95.5

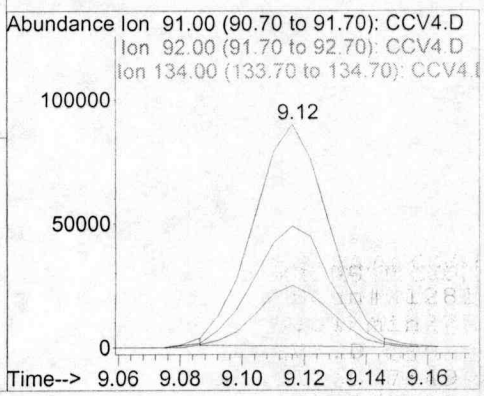


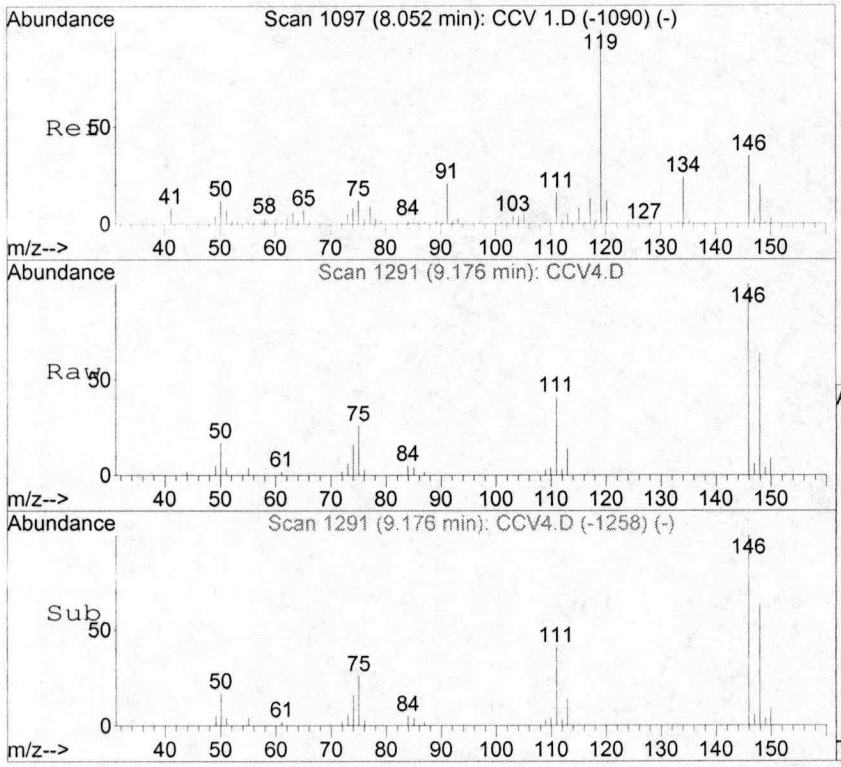


#70
n-Butylbenzene
Concen: 59.59 ng m
RT: 9.12 min Scan# 1281
Delta R.T. 0.01 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 91 Resp: 151022

Ion	Ratio	Lower	Upper
91	100		
92	54.3	25.5	85.5
134	27.8	0.0	59.4

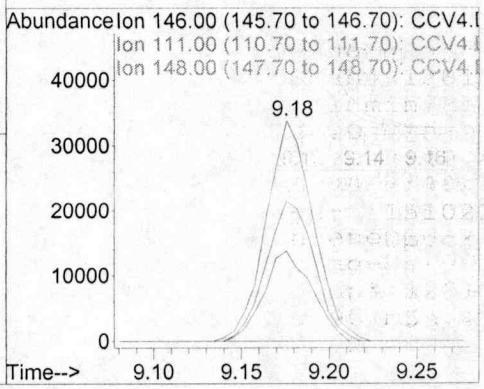


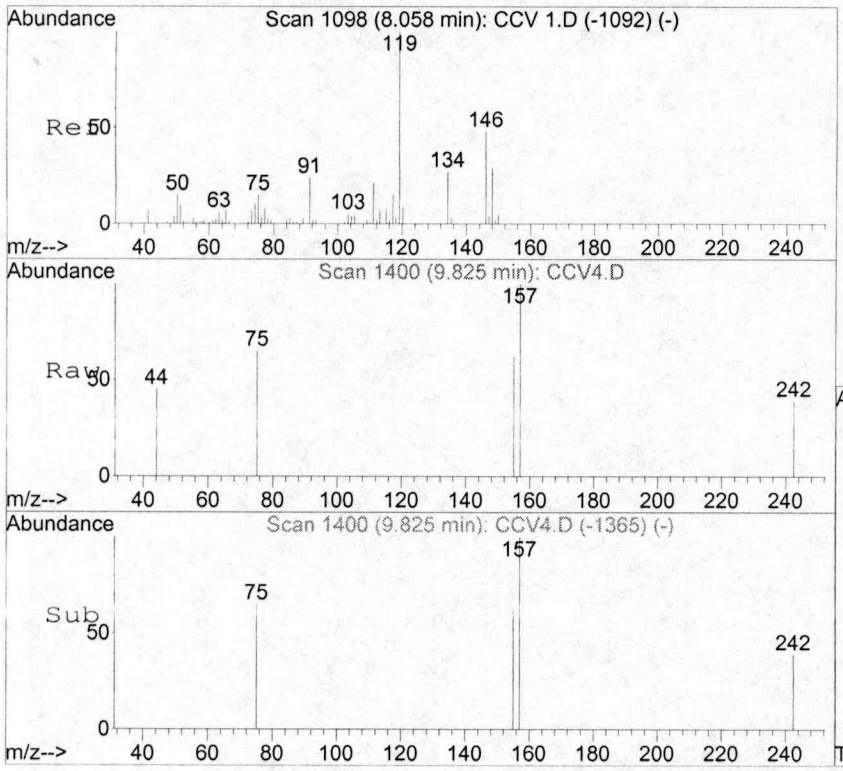


#71
1,2-Dichlorobenzene
Concen: 50.80 ng
RT: 9.18 min Scan# 1291
Delta R.T. -0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:146 Resp: 63156

Ion	Ratio	Lower	Upper
146	100		
111	40.6	7.6	67.6
148	63.6	31.9	91.9

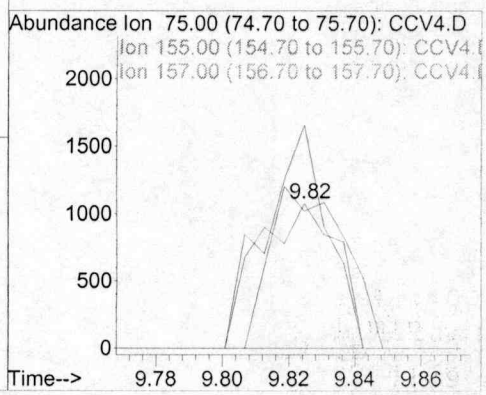


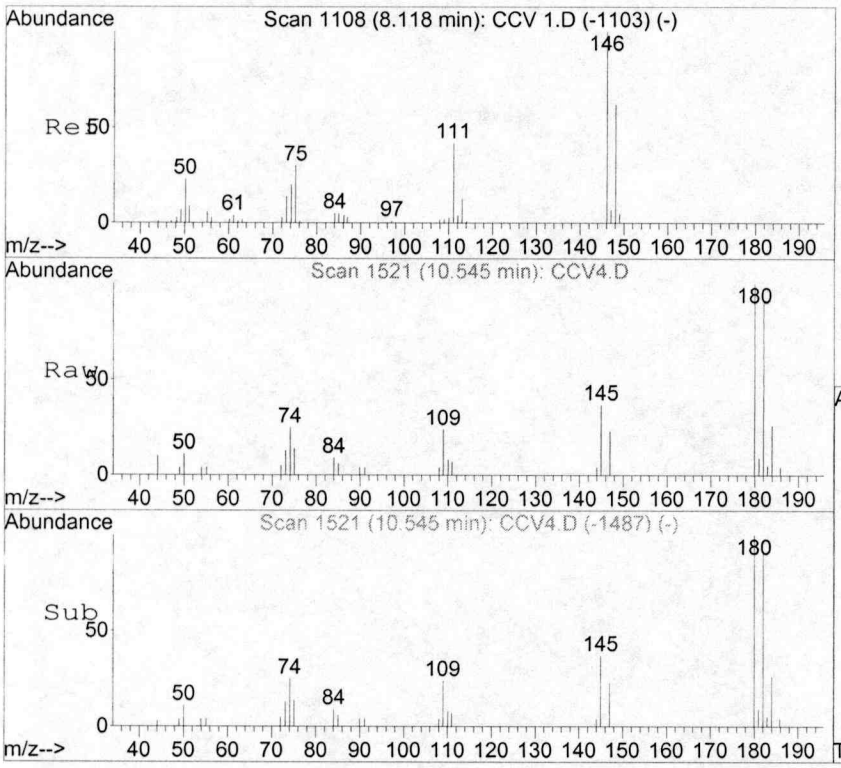


#72
1,2-Dibromo-3-chloropropane
Concen: 61.21 ng
RT: 9.82 min Scan# 1400
Delta R.T. 0.01 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 75 Resp: 1810

Ion	Ratio	Lower	Upper
75	100		
155	94.8	49.1	109.1
157	153.9	61.3	121.3#

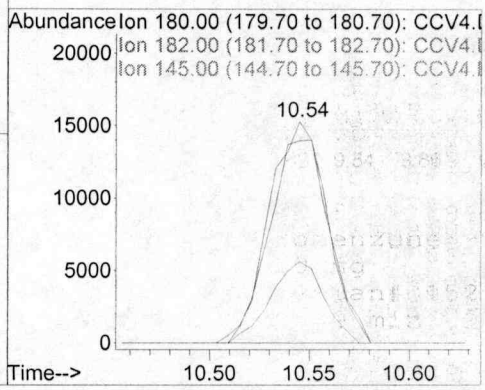


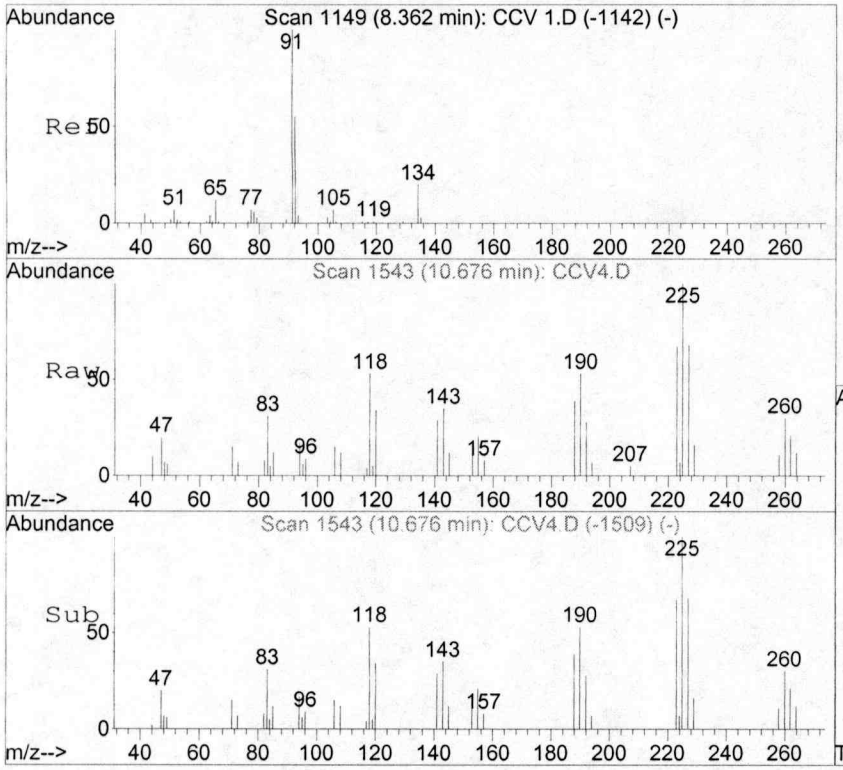


#73
1,2,4-Trichlorobenzene
Concen: 51.10 ng
RT: 10.54 min Scan# 1521
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:180 Resp: 31263

Ion	Ratio	Lower	Upper
180	100		
182	91.4	68.1	128.1
145	36.9	4.5	64.5

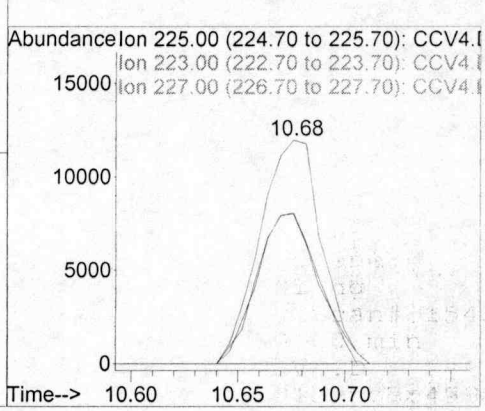


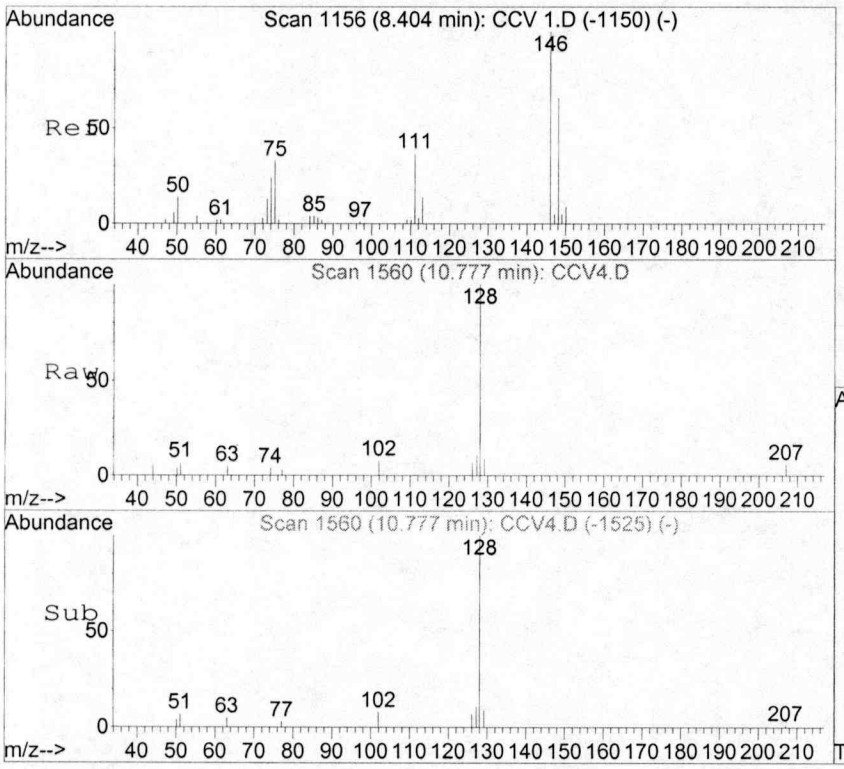


#74
Hexachlorobutadiene
Concen: 50.81 ng
RT: 10.68 min Scan# 1543
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:225 Resp: 24109

Ion	Ratio	Lower	Upper
225	100		
223	67.1	37.7	97.7
227	67.6	40.9	100.9

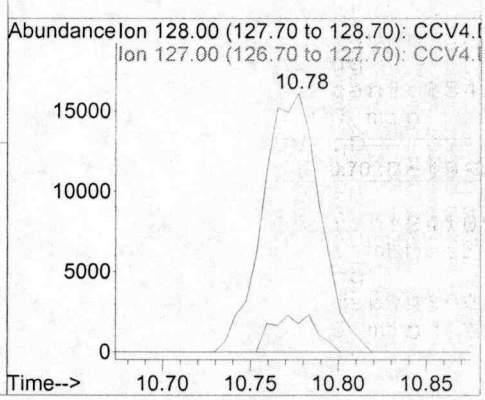


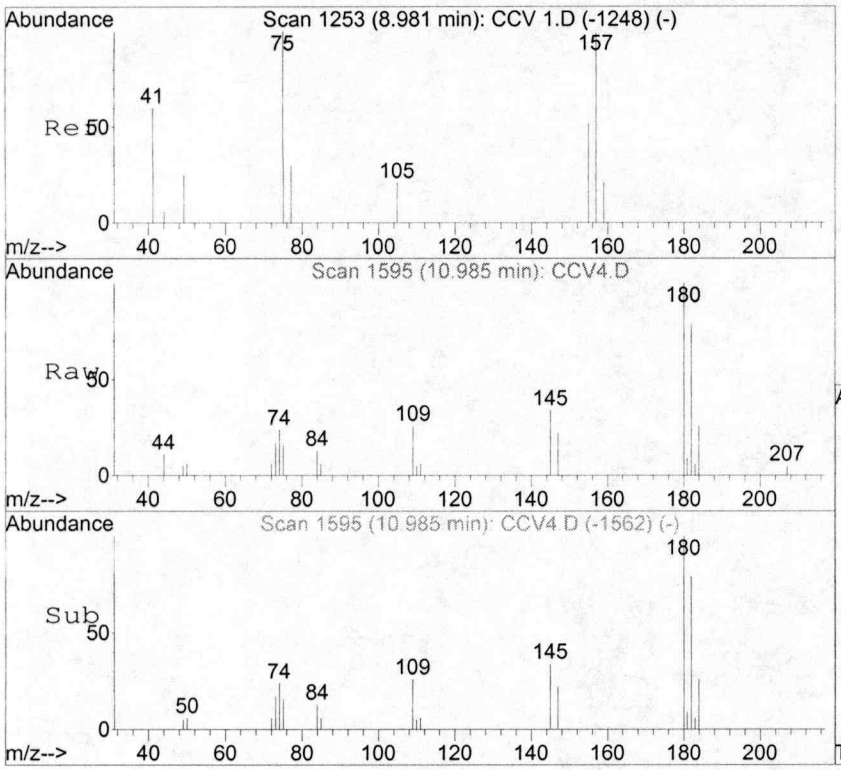


#75
Naphthalene
Concen: 53.91 ng
RT: 10.78 min Scan# 1560
Delta R.T. 0.01 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:128 Resp: 36702

Ion	Ratio	Lower	Upper
128	100		
127	10.9	0.0	31.5

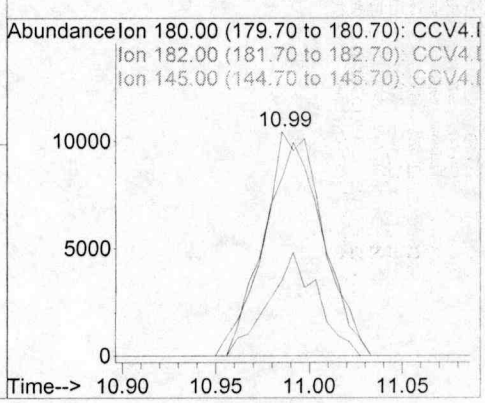


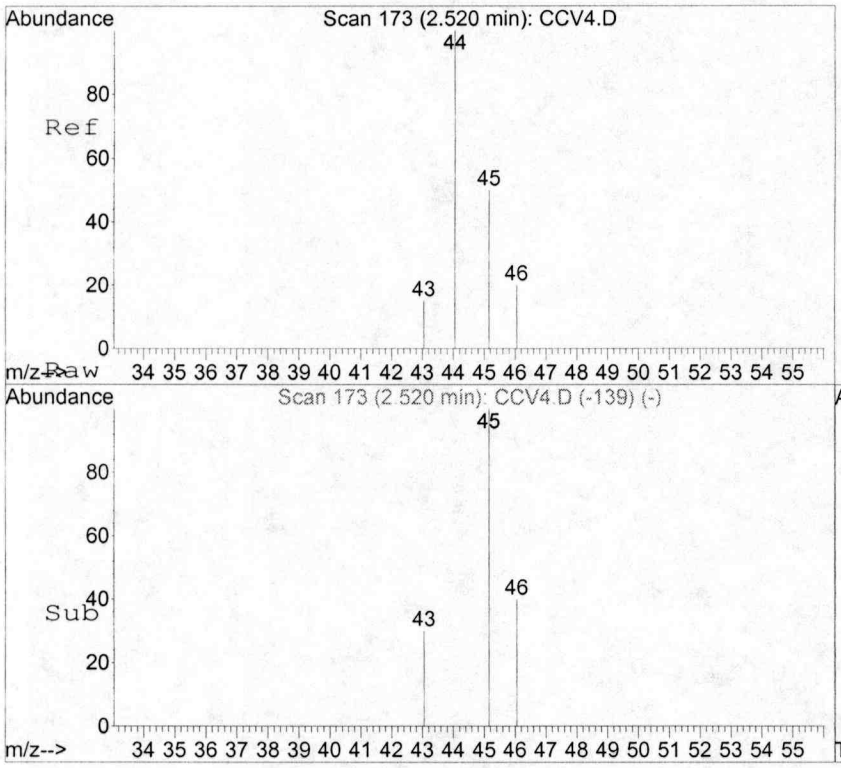


#76
1,2,3-Trichlorobenzene
Concen: 52.24 ng
RT: 10.99 min Scan# 1595
Delta R.T. -0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion:180 Resp: 23315

Ion	Ratio	Lower	Upper
180	100		
182	79.1	71.2	111.2
145	33.7	7.1	47.1

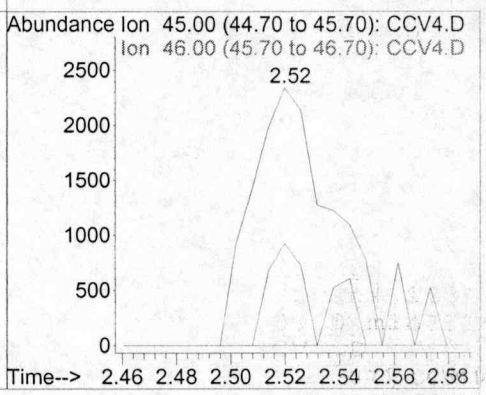


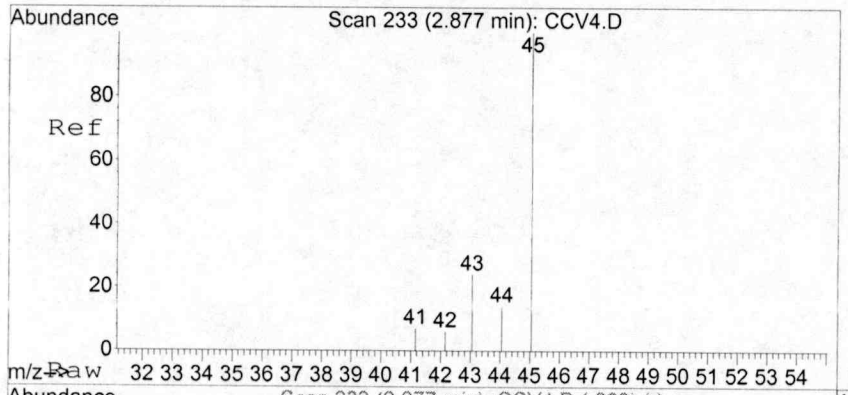


#78
Ethanol
Concen: 2193.29 ng
RT: 2.52 min Scan# 173
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 45 Resp: 4711

Ion	Ratio	Lower	Upper
45	100		
46	17.7	0.0	0.0#

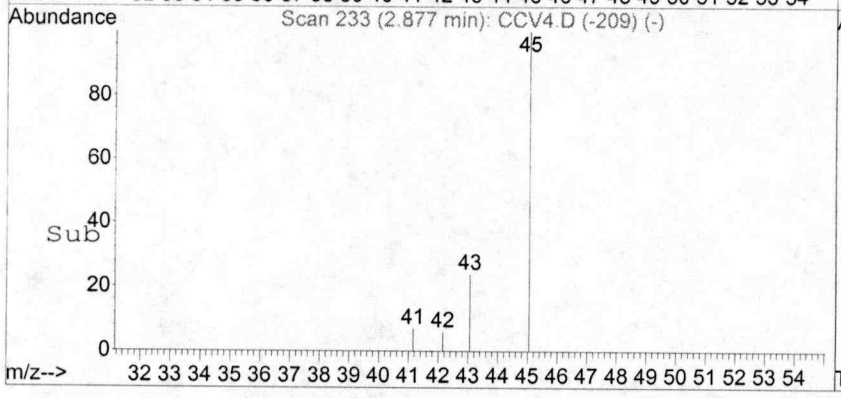


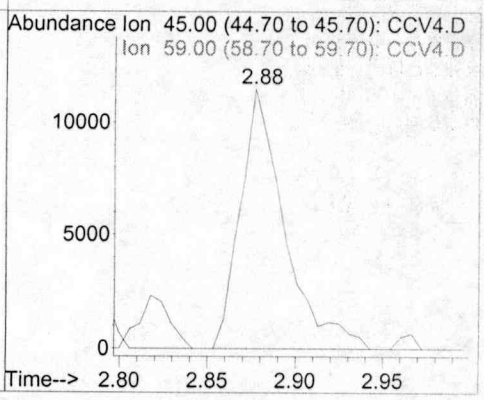


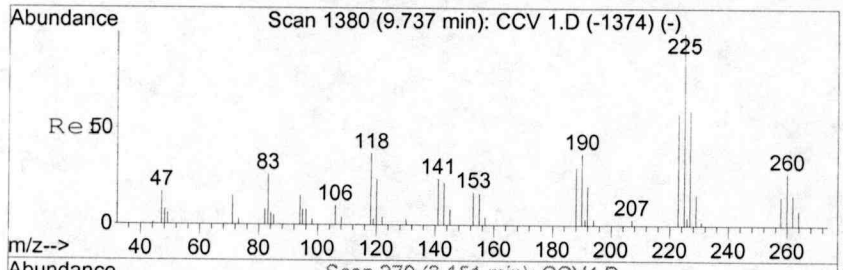
#79
Isopropyl Alcohol (IPA)
Concen: 1584.74 ng
RT: 2.88 min Scan# 233
Delta R.T. -0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 45 Resp: 19958

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	0.0



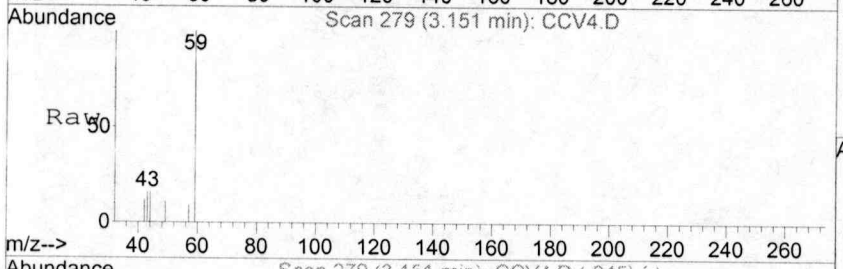


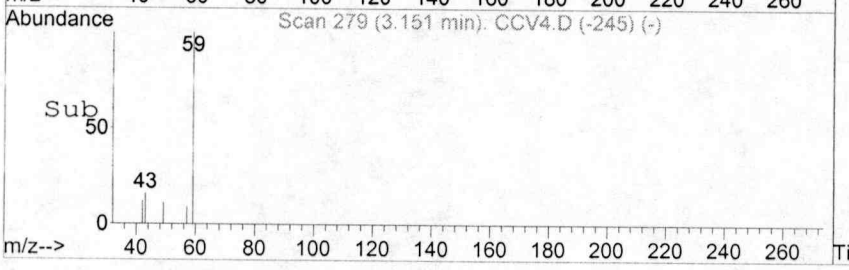


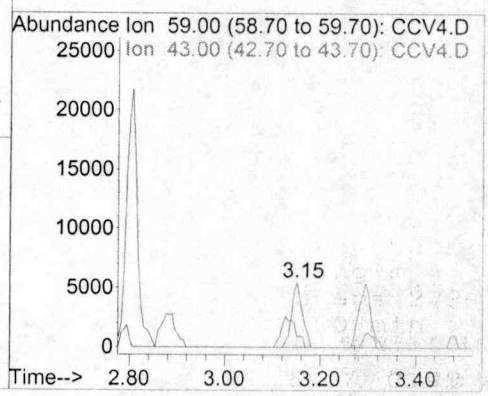
#80
t-Butanol *
Concen: 444.65 ng m
RT: 3.15 min Scan# 279
Delta R.T. 0.00 min
Lab File: CCV4.D
Acq: 15 Nov 2013 7:49 am

Tgt Ion: 59 Resp: 10169

Ion	Ratio	Lower	Upper
59	100		
43	16.1	0.0	55.3







Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : BLK1.D
Acq On : 15 Nov 2013 8:54 am
Operator : CS
Sample : EK31501-BLK1
Misc : 0.01
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 28 12:17:54 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	107452	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	37580	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	30173	50.00 ng	0.00
77) TBA-d9	3.09	65	15315	1000.00 ng	0.00

System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	20418	50.14 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery	= 100.28%	
27) 1,2-Dichloroethane-d4	4.50	65	21351	55.94 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery	= 111.88%	
37) Toluene-d8	5.84	98	92355	49.59 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery	= 99.18%	
55) 4-Bromofluorobenzene	7.87	174	21917	51.54 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery	= 103.08%	

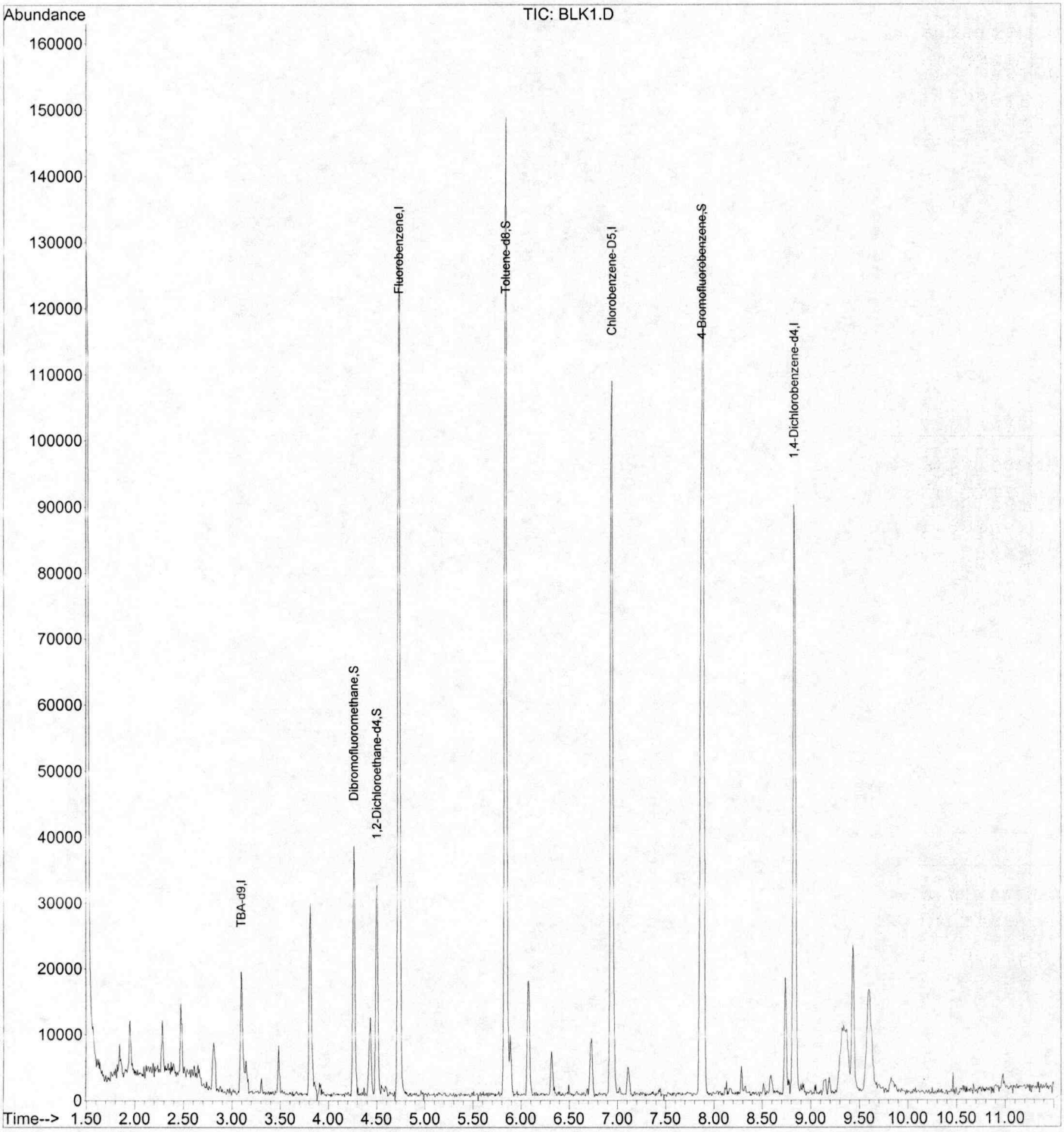
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : BLK1.D
Acq On : 15 Nov 2013 8:54 am
Operator : CS
Sample : EK31501-BLK1
Misc : 0.01
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 28 12:17:54 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\111513\
Data File : 8-SV-3.D
Acq On : 15 Nov 2013 9:12 am
Operator : CS
Sample : E311055-01
Misc : 0.01
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 28 12:26:28 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	98874	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	32998	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.84	152	29325	50.00 ng	0.00
77) TBA-d9	3.10	65	12928	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.27	113	17203	45.91 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 91.82%		
27) 1,2-Dichloroethane-d4	4.50	65	18634	53.06 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 106.12%		
37) Toluene-d8	5.84	98	86881	50.70 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.40%		
55) 4-Bromofluorobenzene	7.87	174	20557	49.74 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.48%		

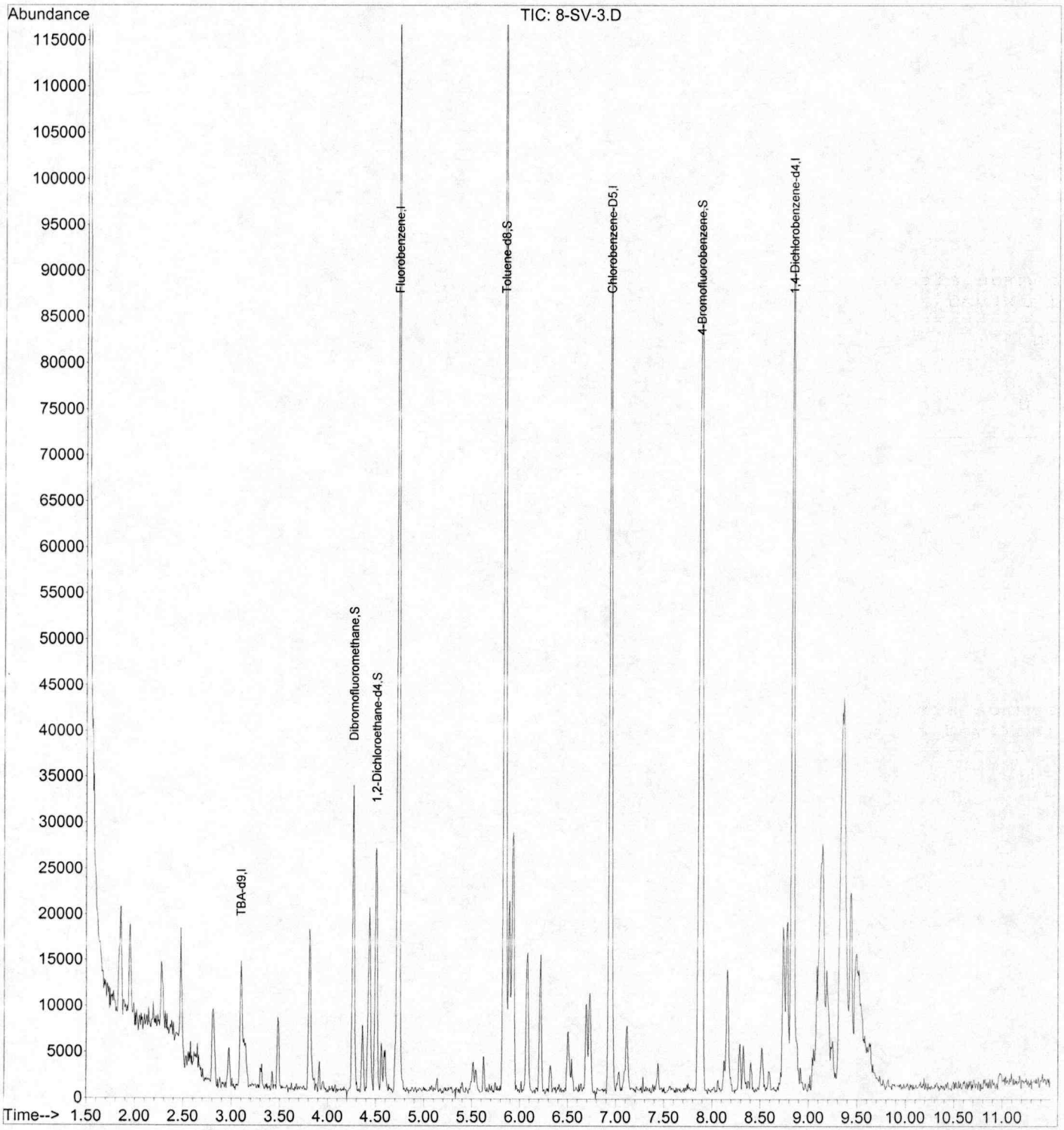
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : 8-SV-3.D
Acq On : 15 Nov 2013 9:12 am
Operator : CS
Sample : E311055-01
Misc : 0.01
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 28 12:26:28 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\111513\
Data File : 9-SV-15.D
Acq On : 15 Nov 2013 9:30 am
Operator : CS
Sample : E311055-02
Misc : 0.01
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 28 12:32:32 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

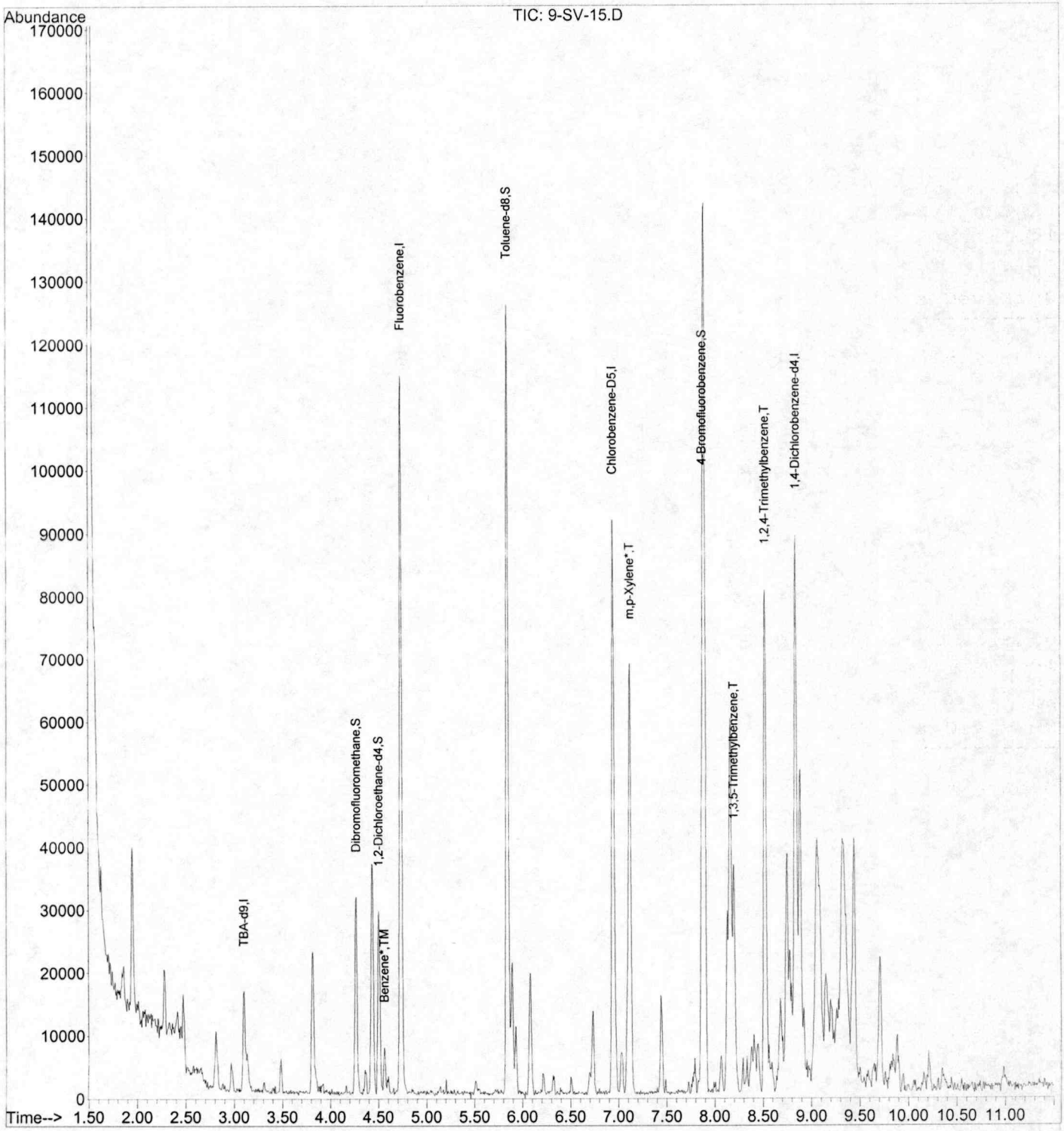
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	96956	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	31711	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.84	152	28061	50.00 ng	0.00
77) TBA-d9	3.10	65	14538	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.27	113	17895	48.70 ng	0.01
Spiked Amount 50.000	Range 75 - 125		Recovery = 97.40%		
27) 1,2-Dichloroethane-d4	4.50	65	19579	56.85 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 113.70%		
37) Toluene-d8	5.84	98	80220	47.74 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 95.48%		
55) 4-Bromofluorobenzene	7.87	174	20069	50.74 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.48%		
Target Compounds					Qvalue
30) Benzene*	4.56	78	5948	3.07 ng	91
50) m,p-Xylene*	7.12	106	22547	23.77 ng	97
61) 1,3,5-Trimethylbenzene	8.20	105	24032	14.02 ng	89
65) 1,2,4-Trimethylbenzene	8.52	105	60148	37.16 ng	90

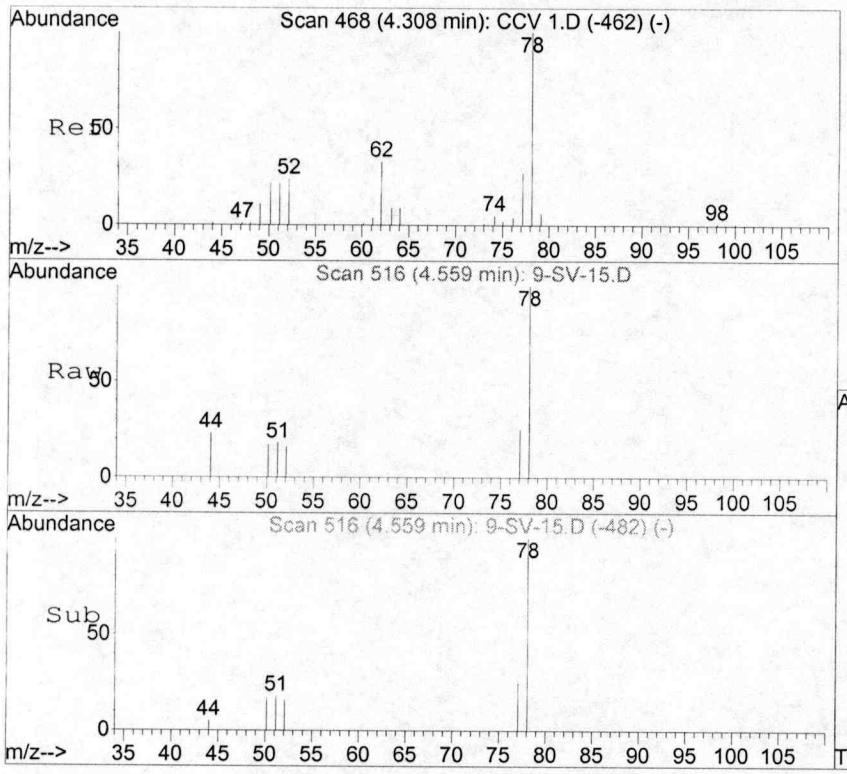
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : 9-SV-15.D
Acq On : 15 Nov 2013 9:30 am
Operator : CS
Sample : E311055-02
Misc : 0.01
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 28 12:32:32 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

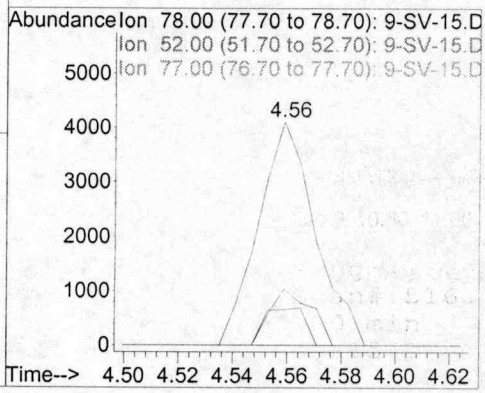


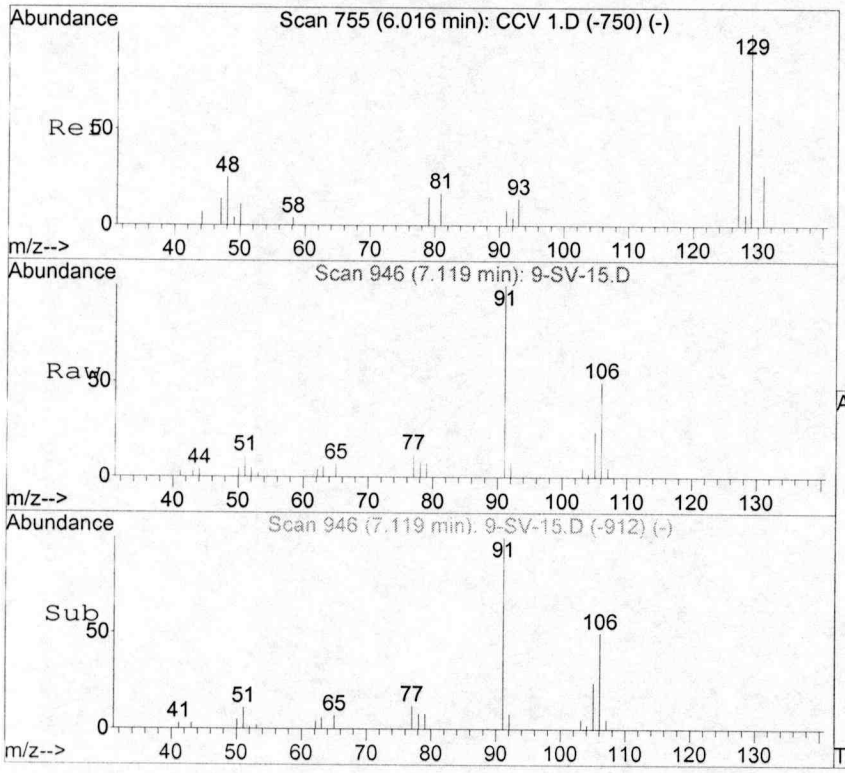


#30
Benzene*
Concen: 3.07 ng
RT: 4.56 min Scan# 516
Delta R.T. 0.00 min
Lab File: 9-SV-15.D
Acq: 15 Nov 2013 9:30 am

Tgt Ion: 78 Resp: 5948

Ion	Ratio	Lower	Upper
78	100		
52	16.0	3.8	43.8
77	25.2	4.0	44.0

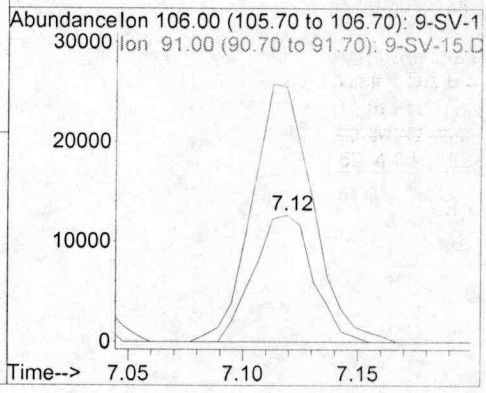


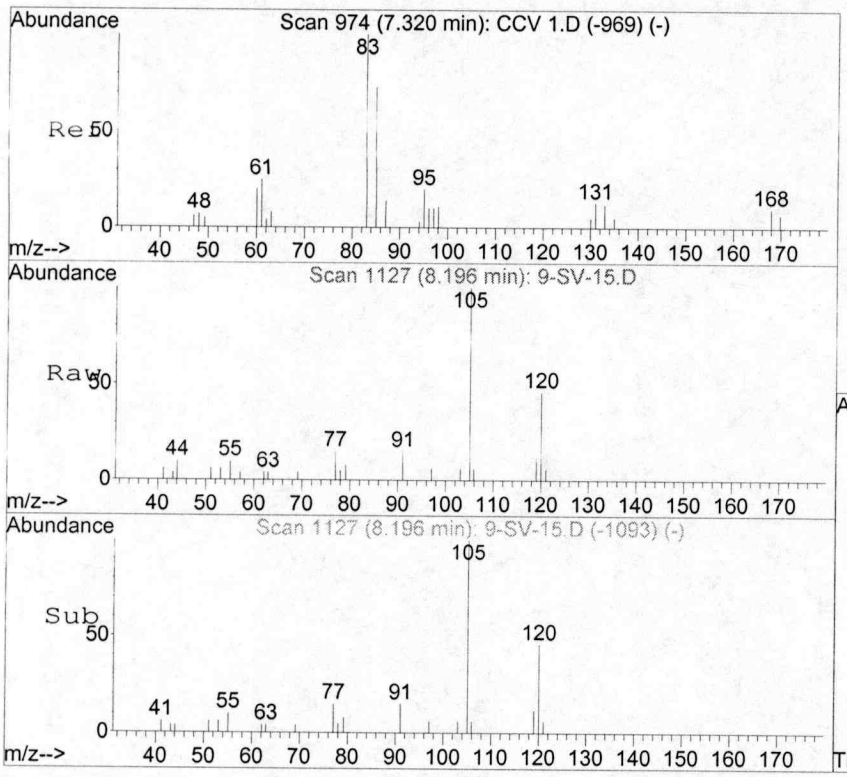


#50
m,p-Xylene*
Concen: 23.77 ng
RT: 7.12 min Scan# 946
Delta R.T. 0.00 min
Lab File: 9-SV-15.D
Acq: 15 Nov 2013 9:30 am

Tgt Ion:106 Resp: 22547

Ion	Ratio	Lower	Upper
106	100		
91	197.3	163.0	223.0

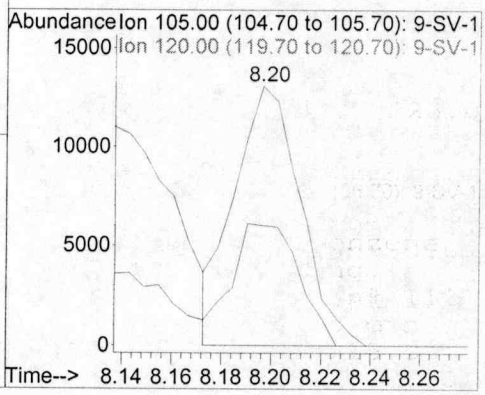


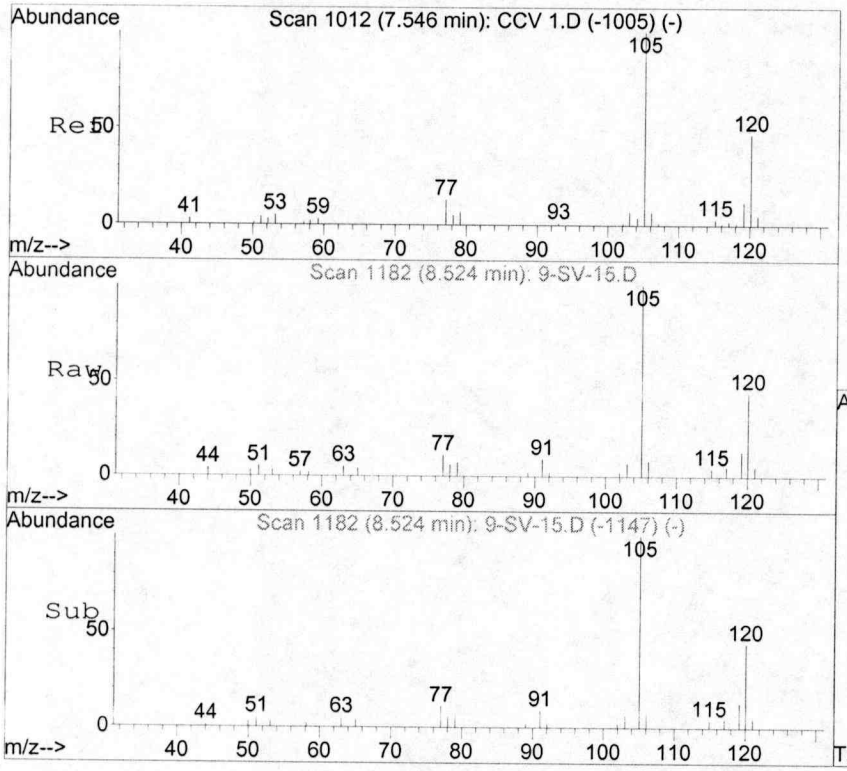


#61
1,3,5-Trimethylbenzene
Concen: 14.02 ng
RT: 8.20 min Scan# 1127
Delta R.T. 0.00 min
Lab File: 9-SV-15.D
Acq: 15 Nov 2013 9:30 am

Tgt Ion:105 Resp: 24032

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.6	83.6

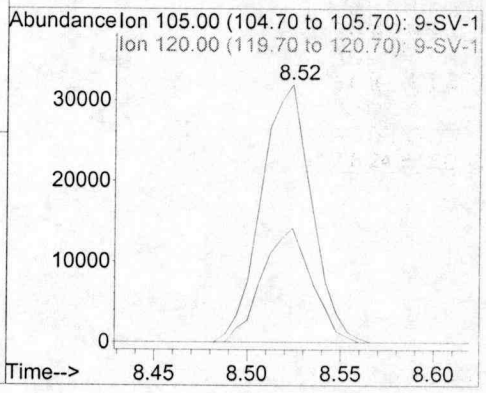




#65
1,2,4-Trimethylbenzene
Concen: 37.16 ng
RT: 8.52 min Scan# 1182
Delta R.T. 0.01 min
Lab File: 9-SV-15.D
Acq: 15 Nov 2013 9:30 am

Tgt Ion:105 Resp: 60148

Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.3	81.3



Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : 9-SV-5.D
Acq On : 15 Nov 2013 9:48 am
Operator : CS
Sample : E311055-03
Misc : 0.01
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 28 12:34:58 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	111364	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	40451	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.84	152	36523	50.00 ng	0.00
77) TBA-d9	3.10	65	13610	1000.00 ng	0.00

System Monitoring Compounds					
24) Dibromofluoromethane	4.27	113	21994	52.11 ng	0.01
Spiked Amount 50.000	Range 75 - 125		Recovery = 104.22%		
27) 1,2-Dichloroethane-d4	4.51	65	22062	55.78 ng	0.01
Spiked Amount 50.000	Range 62 - 139		Recovery = 111.56%		
37) Toluene-d8	5.84	98	102092	52.89 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 105.78%		
55) 4-Bromofluorobenzene	7.87	174	24212	47.04 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 94.08%		

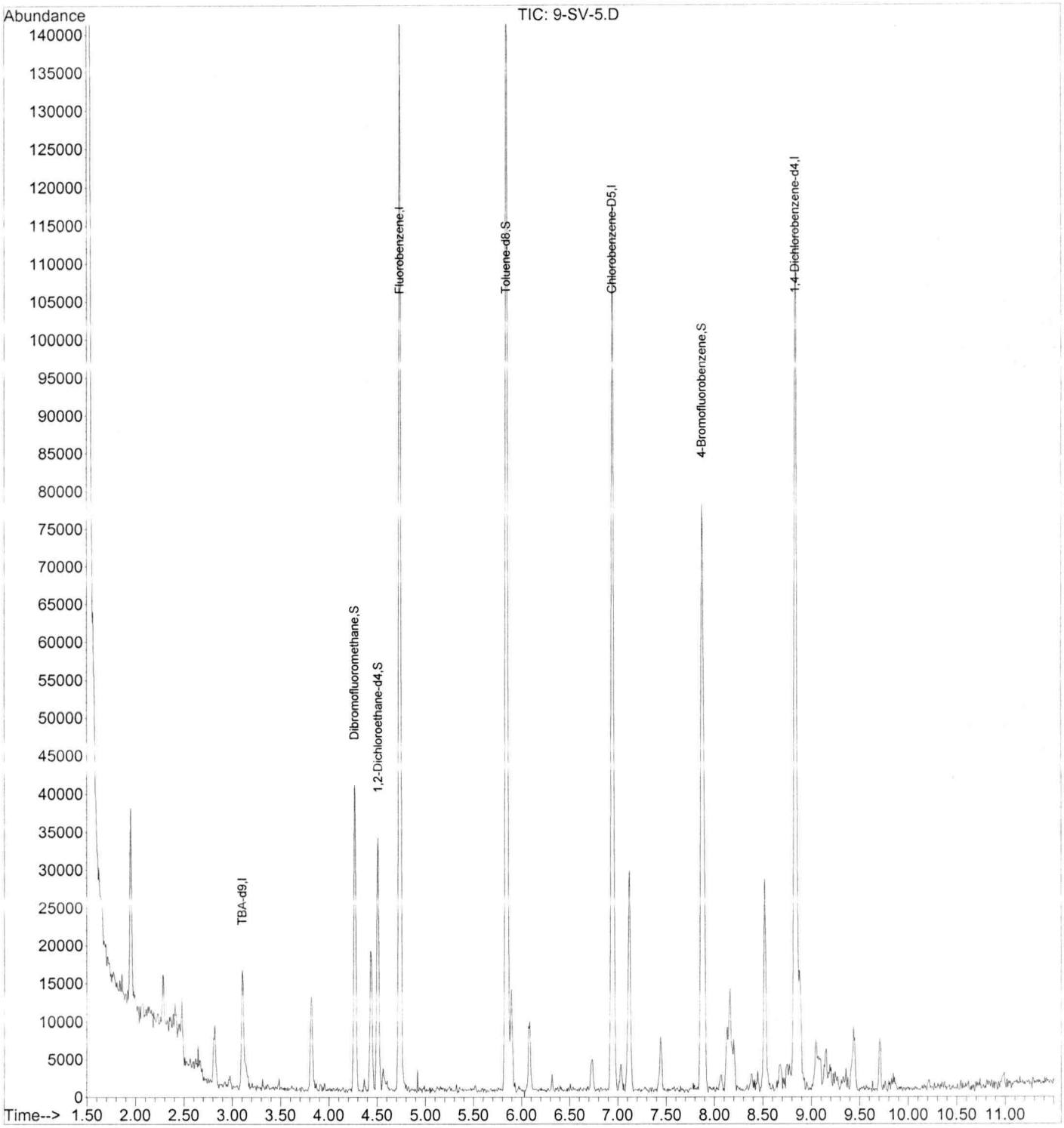
Target Compounds Qvalue

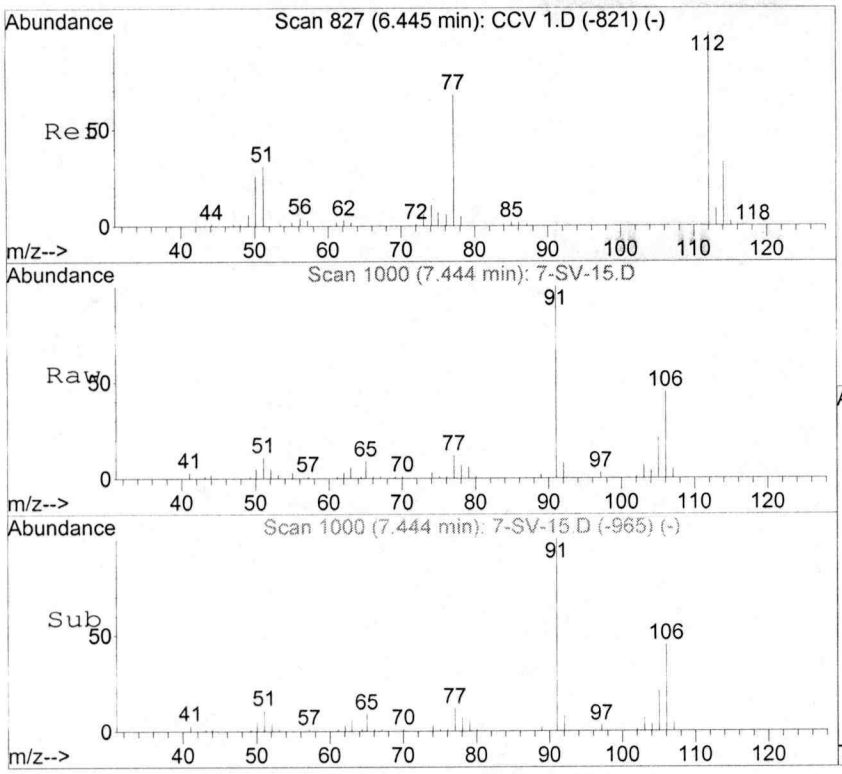
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : 9-SV-5.D
Acq On : 15 Nov 2013 9:48 am
Operator : CS
Sample : E311055-03
Misc : 0.01
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 28 12:34:58 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

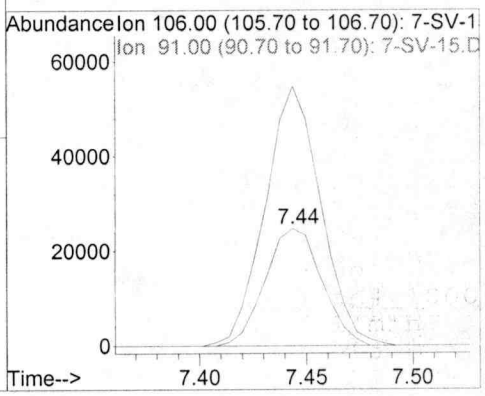


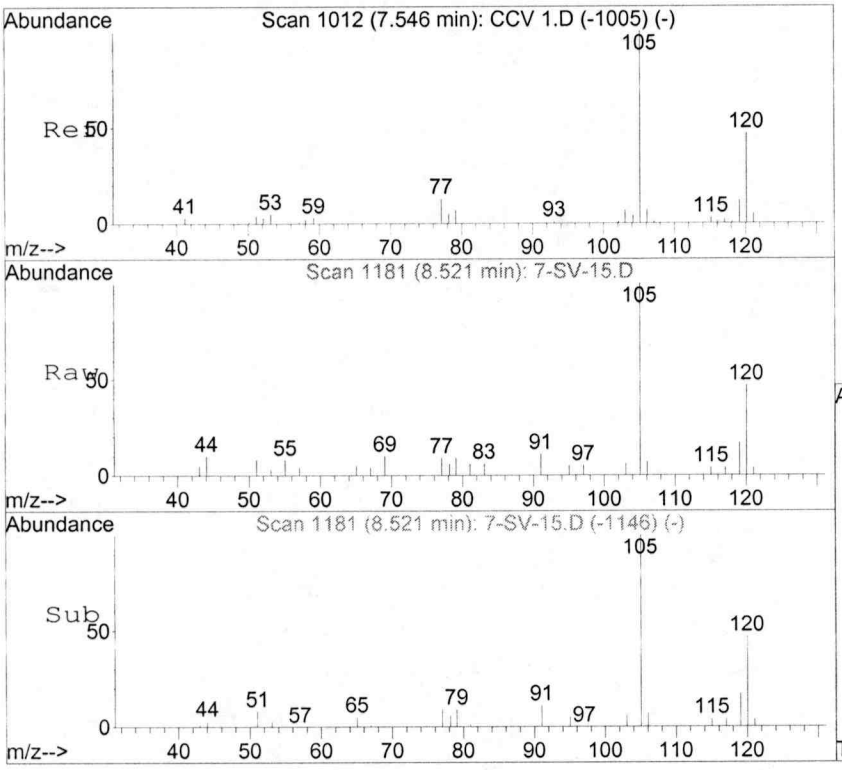


#51
o-Xylene*
Concen: 41.96 ng
RT: 7.44 min Scan# 1000
Delta R.T. 0.01 min
Lab File: 7-SV-15.D
Acq: 15 Nov 2013 10:39 am

Tgt Ion:106 Resp: 45425

Ion	Ratio	Lower	Upper
106	100		
91	221.3	180.2	240.2

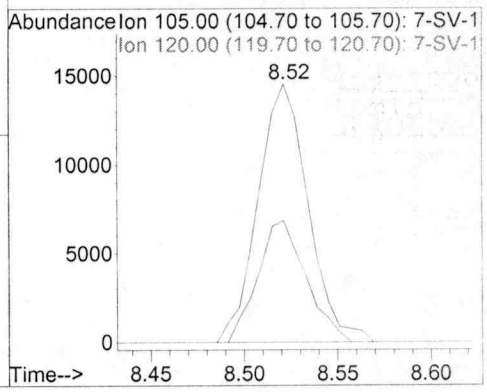


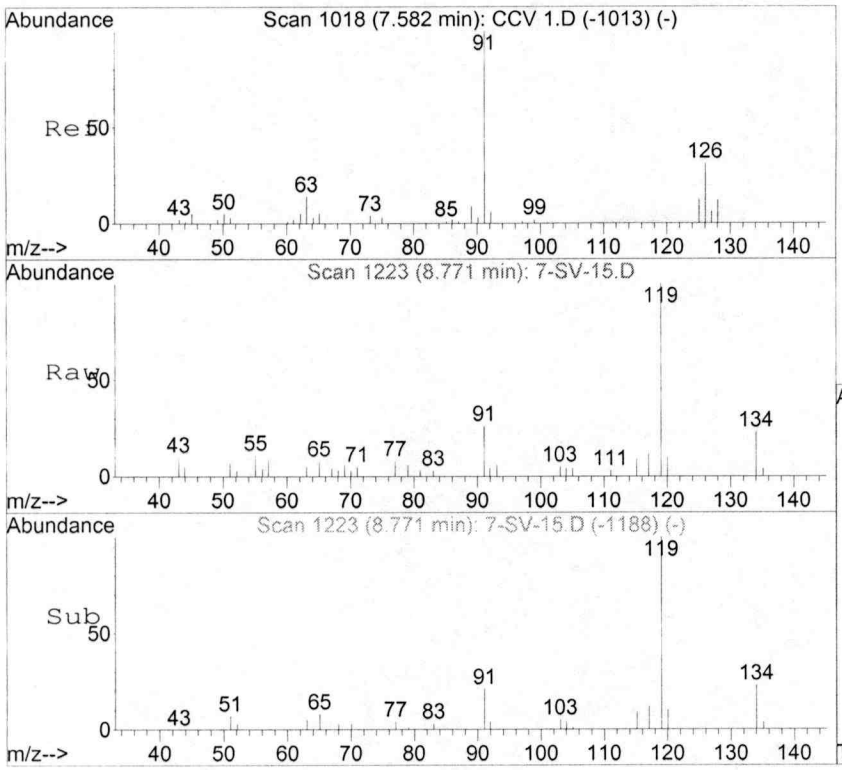


#65
1,2,4-Trimethylbenzene
Concen: 13.40 ng
RT: 8.52 min Scan# 1181
Delta R.T. 0.01 min
Lab File: 7-SV-15.D
Acq: 15 Nov 2013 10:39 am

Tgt Ion:105 Resp: 27042

Ion	Ratio	Lower	Upper
105	100		
120	47.1	21.3	81.3

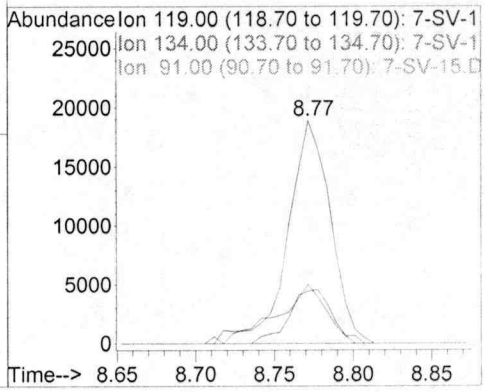




#67
p-Isopropyltoluene
Concen: 14.75 ng
RT: 8.77 min Scan# 1223
Delta R.T. 0.01 min
Lab File: 7-SV-15.D
Acq: 15 Nov 2013 10:39 am

Tgt Ion:119 Resp: 35725

Ion	Ratio	Lower	Upper
119	100		
134	23.4	0.0	58.2
91	26.4	0.0	52.0



Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : 6-SV-3.D
Acq On : 15 Nov 2013 10:58 am
Operator : CS
Sample : E311055-06
Misc : 0.01
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 28 12:58:12 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

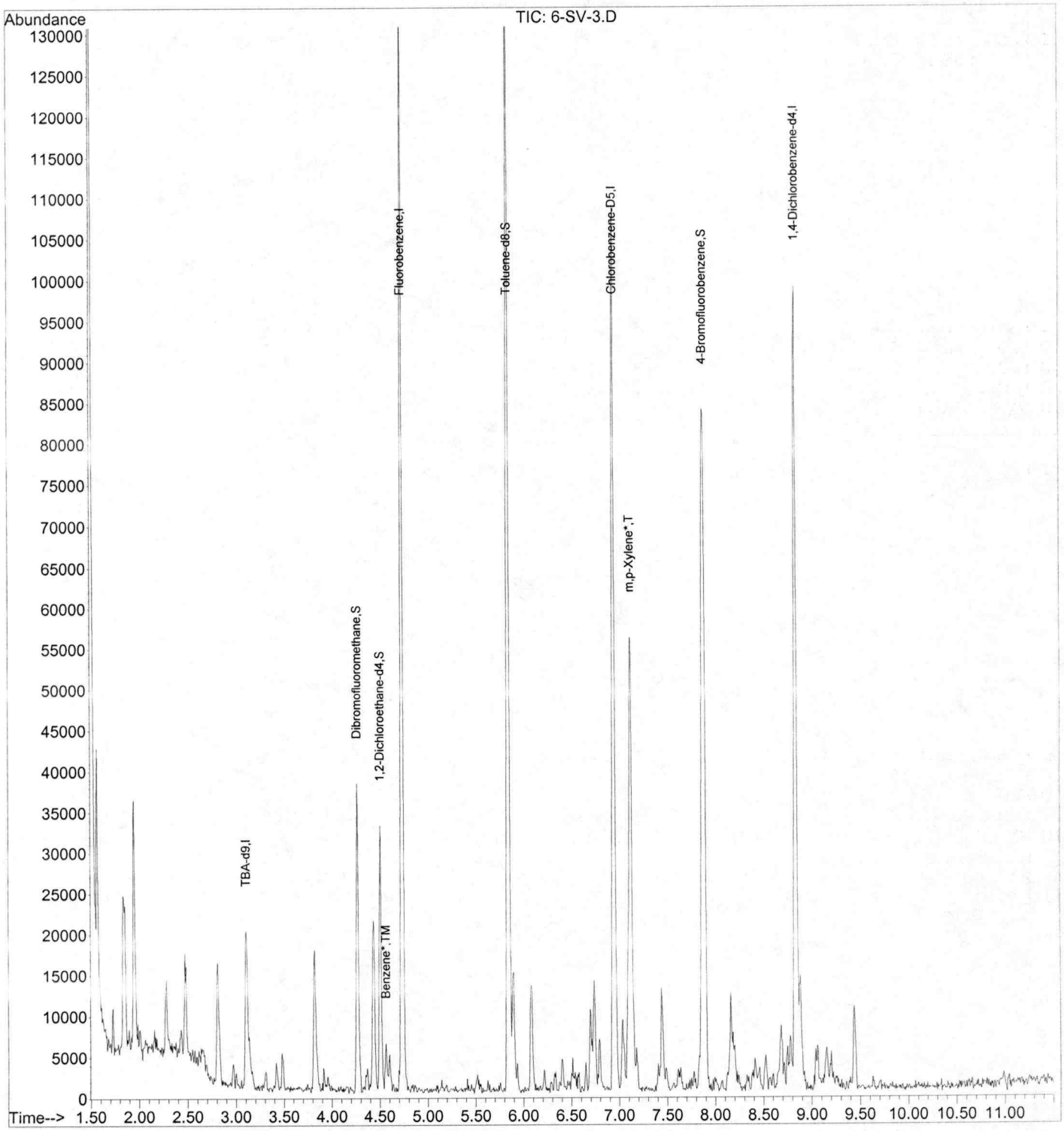
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	107680	50.00 ng	0.00
43) Chlorobenzene-D5	6.95	82	37376	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.84	152	32090	50.00 ng	0.00
77) TBA-d9	3.11	65	15631	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.27	113	19017	46.60 ng	0.01
Spiked Amount 50.000	Range 75 - 125		Recovery = 93.20%		
27) 1,2-Dichloroethane-d4	4.51	65	19562	51.15 ng	0.01
Spiked Amount 50.000	Range 62 - 139		Recovery = 102.30%		
37) Toluene-d8	5.84	98	94951	50.88 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.76%		
55) 4-Bromofluorobenzene	7.88	174	22234	49.16 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.32%		
Target Compounds					Qvalue
30) Benzene*	4.56	78	4365	2.03 ng	86
50) m,p-Xylene*	7.12	106	19702	17.62 ng	98

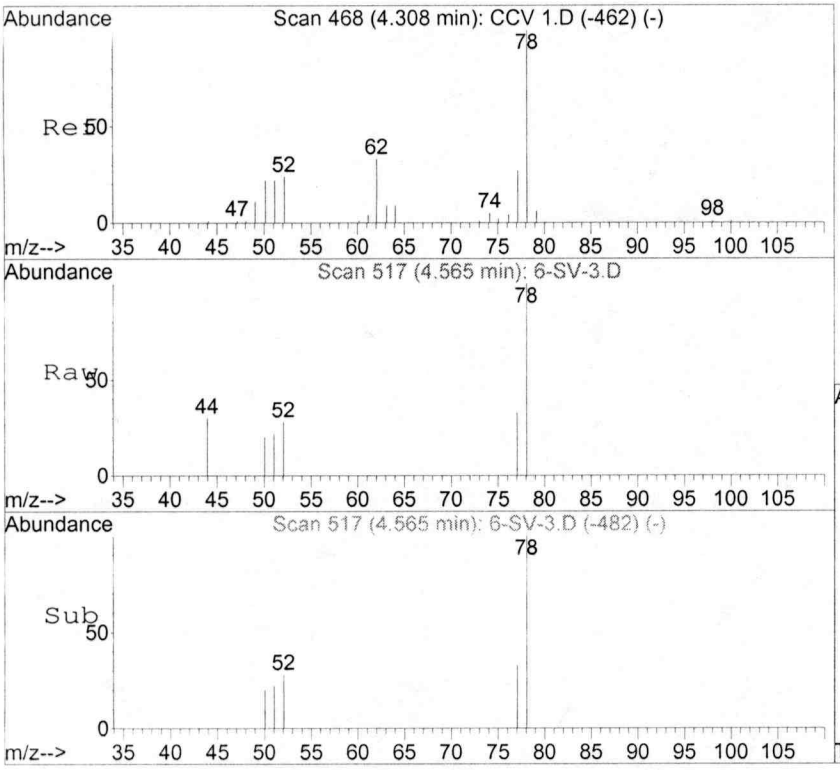
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : 6-SV-3.D
Acq On : 15 Nov 2013 10:58 am
Operator : CS
Sample : E311055-06
Misc : 0.01
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 28 12:58:12 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

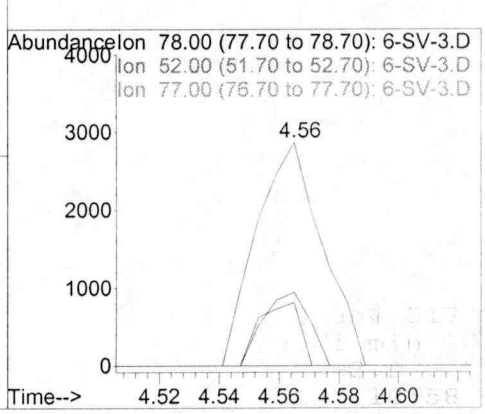


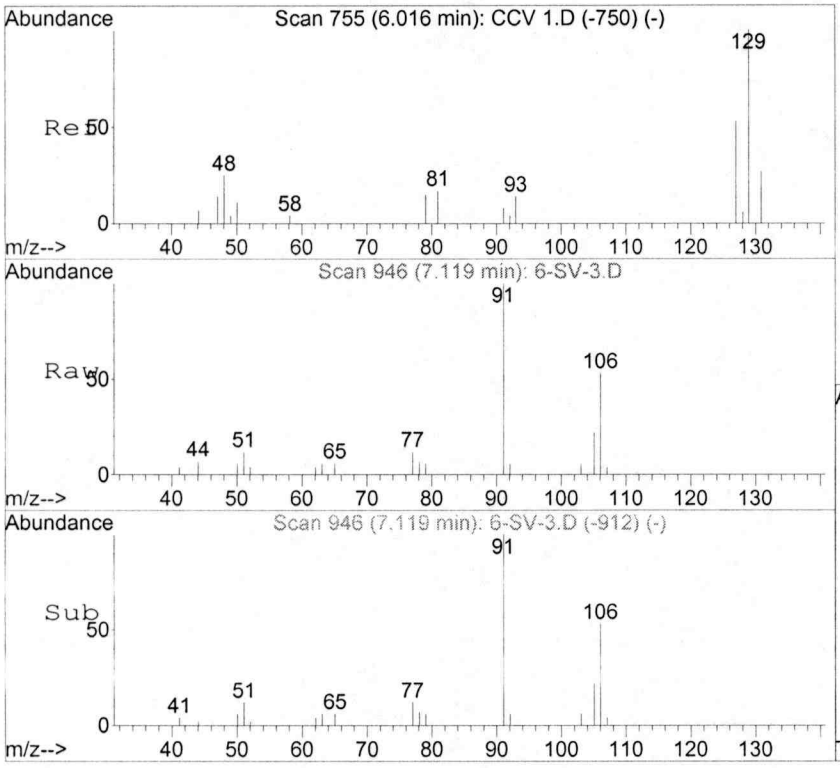


#30
Benzene*
Concen: 2.03 ng
RT: 4.56 min Scan# 517
Delta R.T. 0.01 min
Lab File: 6-SV-3.D
Acq: 15 Nov 2013 10:58 am

Tgt Ion: 78 Resp: 4365

Ion	Ratio	Lower	Upper
78	100		
52	28.4	3.8	43.8
77	33.0	4.0	44.0

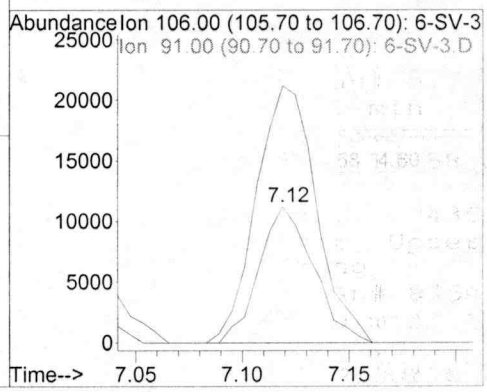




#50
m,p-Xylene*
Concen: 17.62 ng
RT: 7.12 min Scan# 946
Delta R.T. 0.00 min
Lab File: 6-SV-3.D
Acq: 15 Nov 2013 10:58 am

Tgt Ion:106 Resp: 19702

Ion	Ratio	Lower	Upper
106	100		
91	189.5	163.0	223.0



Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : 1-SV-5.D
Acq On : 15 Nov 2013 11:56 am
Operator : CS
Sample : E311055-07
Misc : 0.01
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 28 13:00:37 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

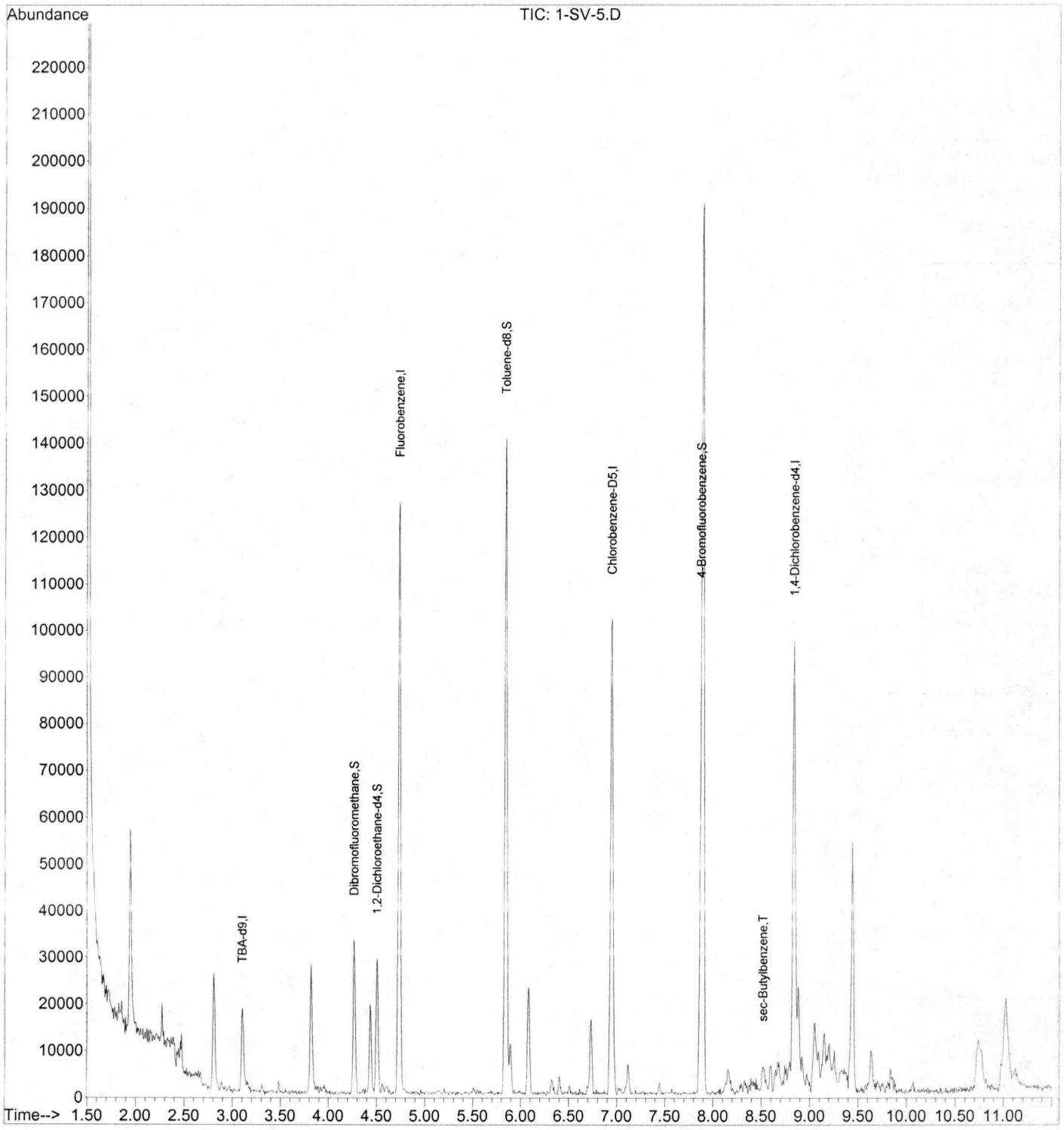
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	104582	50.00 ng	0.00
43) Chlorobenzene-D5	6.95	82	35104	50.00 ng	0.01
54) 1,4-Dichlorobenzene-d4	8.84	152	31429	50.00 ng	0.00
77) TBA-d9	3.10	65	15558	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	17696	44.65 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 89.30%		
27) 1,2-Dichloroethane-d4	4.50	65	20027	53.91 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 107.82%		
37) Toluene-d8	5.84	98	88803	48.99 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 97.98%		
55) 4-Bromofluorobenzene	7.87	174	18775	42.38 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 84.76%		
Target Compounds					Qvalue
66) sec-Butylbenzene	8.52	105	7322	2.77 ng	54

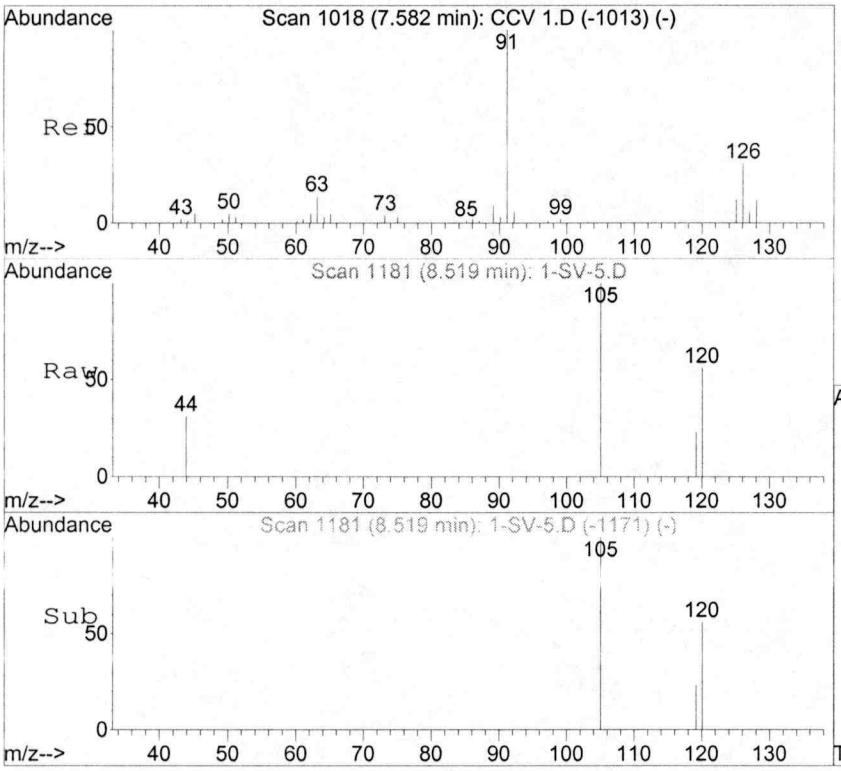
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : 1-SV-5.D
Acq On : 15 Nov 2013 11:56 am
Operator : CS
Sample : E311055-07
Misc : 0.01
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 28 13:00:37 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

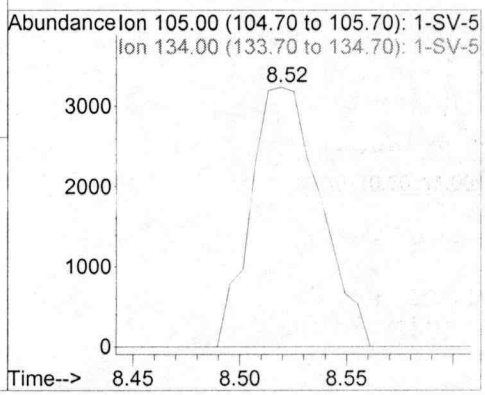




#66
sec-Butylbenzene
Concen: 2.77 ng
RT: 8.52 min Scan# 1181
Delta R.T. -0.14 min
Lab File: 1-SV-5.D
Acq: 15 Nov 2013 11:56 am

Tgt Ion:105 Resp: 7322

Ion	Ratio	Lower	Upper
105	100		
134	0.0	0.0	51.7



Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : 1-SV-5 Rep.D
Acq On : 15 Nov 2013 12:14 pm
Operator : CS
Sample : E311055-08
Misc : 0.01
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 28 13:02:57 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	103258	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	37051	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.84	152	30703	50.00 ng	0.01
77) TBA-d9	3.10	65	16102	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	20098	51.36 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 102.72%		
27) 1,2-Dichloroethane-d4	4.50	65	20651	56.31 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 112.62%		
37) Toluene-d8	5.84	98	88921	49.69 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.38%		
55) 4-Bromofluorobenzene	7.87	174	19819	45.80 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 91.60%		

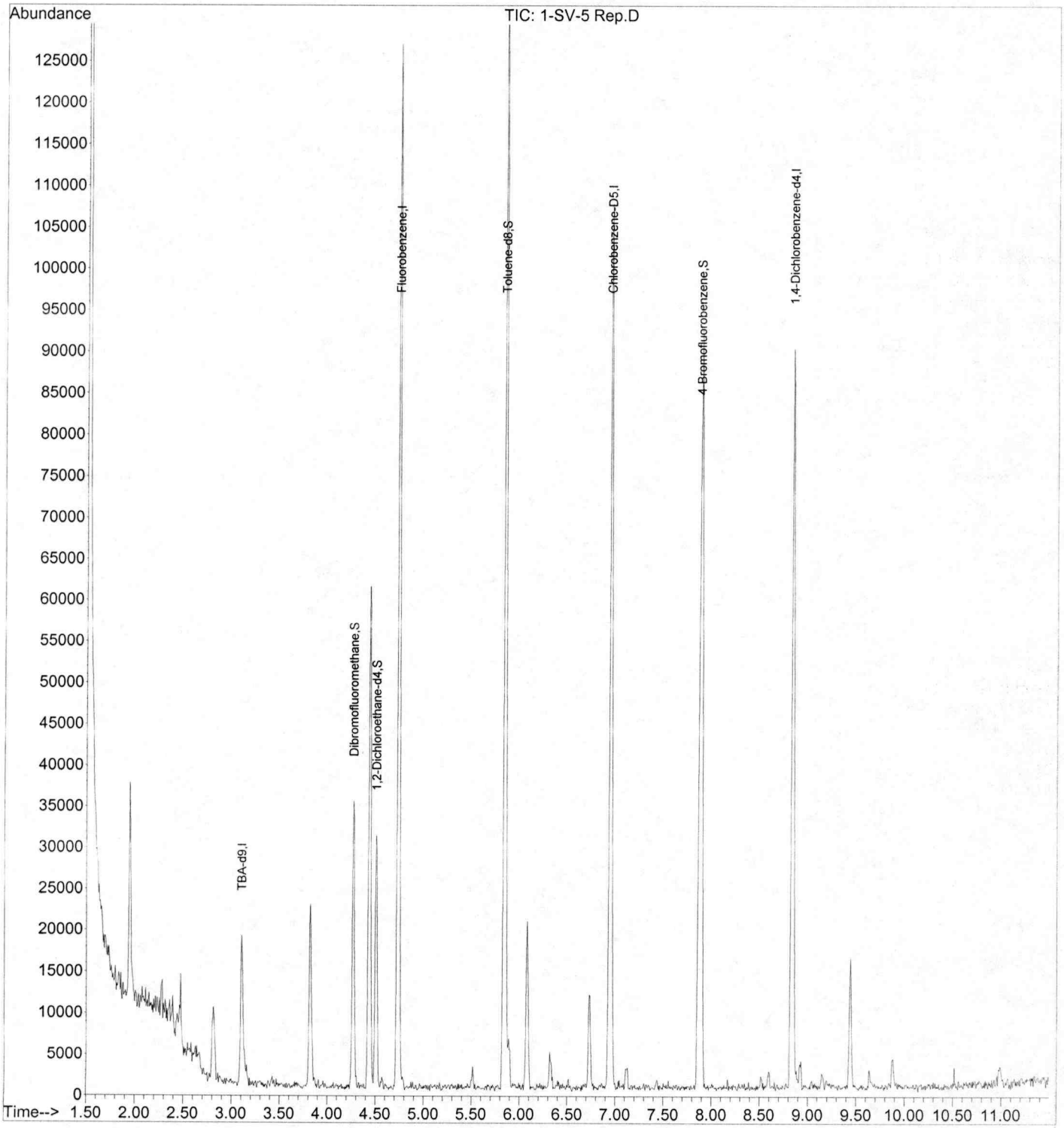
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : 1-SV-5 Rep.D
Acq On : 15 Nov 2013 12:14 pm
Operator : CS
Sample : E311055-08
Misc : 0.01
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 28 13:02:57 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\111513\
Data File : 4-SV-15.D
Acq On : 15 Nov 2013 12:33 pm
Operator : CS
Sample : E311055-09
Misc : 0.01
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 28 13:05:44 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

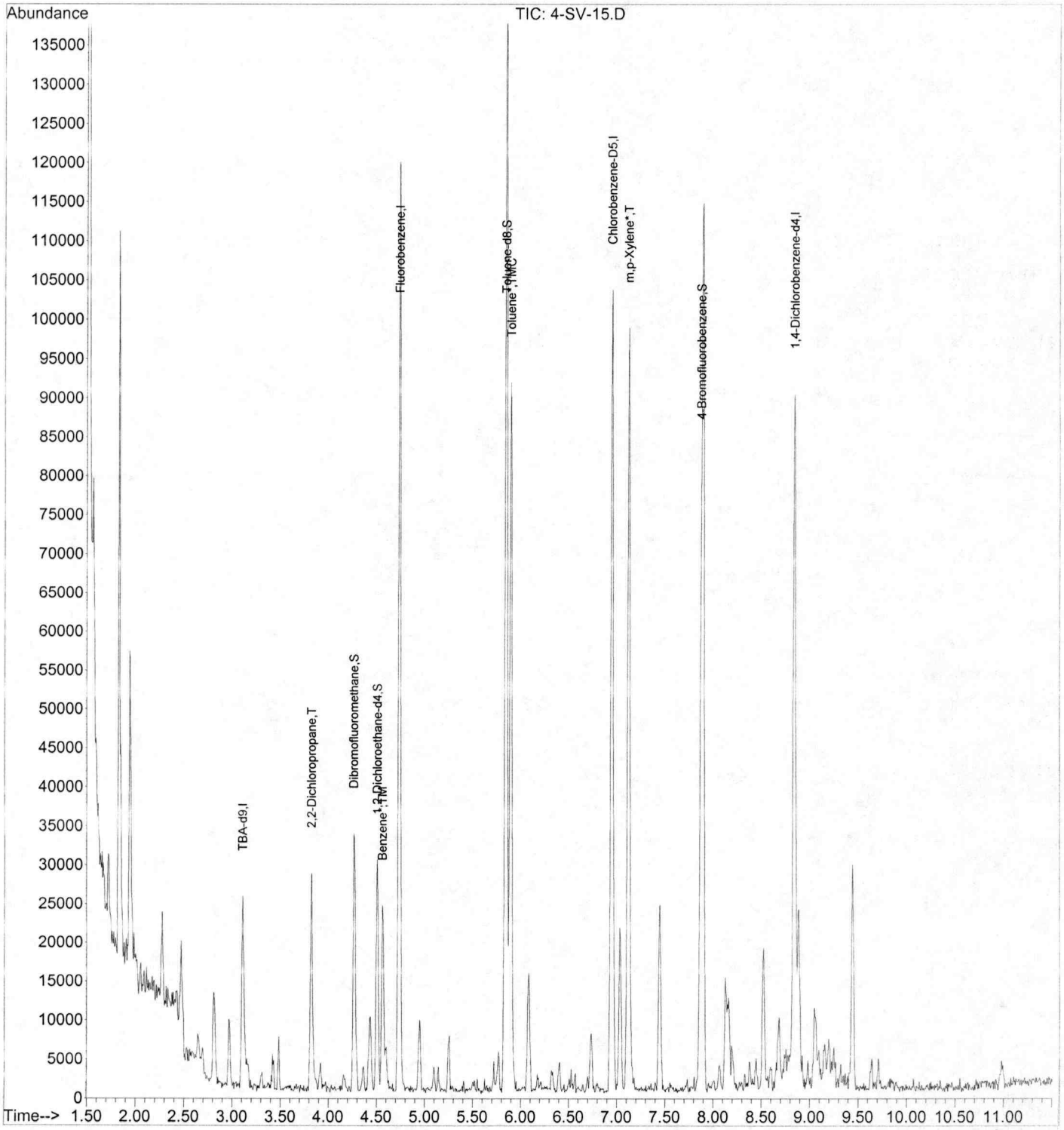
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	93573	50.00 ng	0.00
43) Chlorobenzene-D5	6.95	82	35177	50.00 ng	0.01
54) 1,4-Dichlorobenzene-d4	8.84	152	31676	50.00 ng	0.00
77) TBA-d9	3.10	65	17516	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	18750	52.87 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 105.74%		
27) 1,2-Dichloroethane-d4	4.51	65	19668	59.18 ng	0.01
Spiked Amount 50.000	Range 62 - 139		Recovery = 118.36%		
37) Toluene-d8	5.85	98	88940	54.84 ng	0.01
Spiked Amount 50.000	Range 75 - 125		Recovery = 109.68%		
55) 4-Bromofluorobenzene	7.87	174	21215	47.52 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 95.04%		
Target Compounds					Qvalue
18) 2,2-Dichloropropane	3.82	77	194	0.26 ng	53
30) Benzene*	4.56	78	19497	10.42 ng	91
38) Toluene*	5.89	92	40338	29.30 ng	98
50) m,p-Xylene*	7.12	106	32099	30.50 ng	95

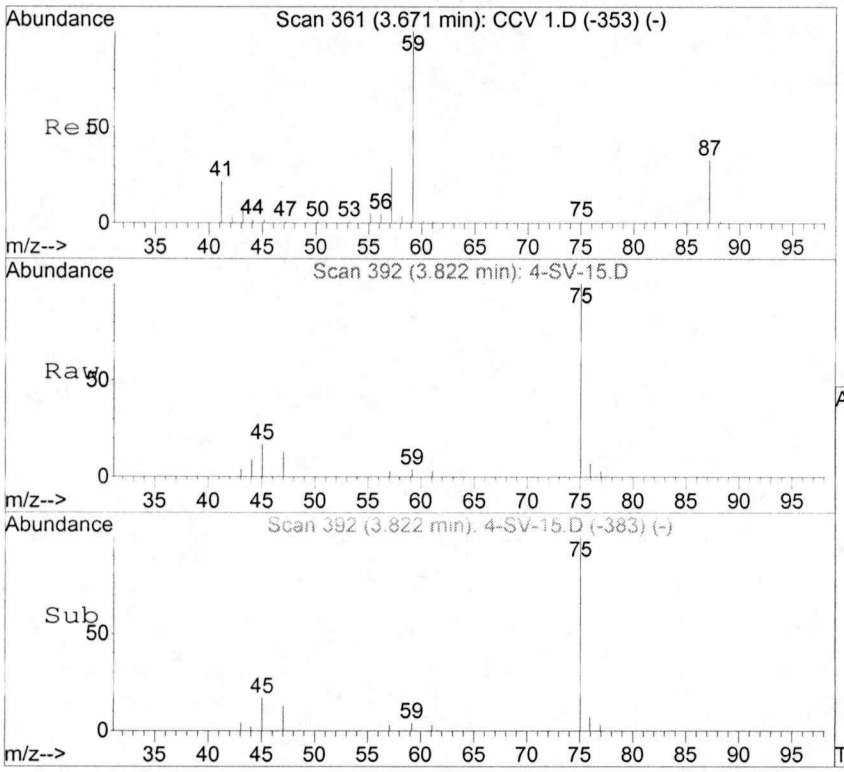
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : 4-SV-15.D
Acq On : 15 Nov 2013 12:33 pm
Operator : CS
Sample : E311055-09
Misc : 0.01
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 28 13:05:44 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

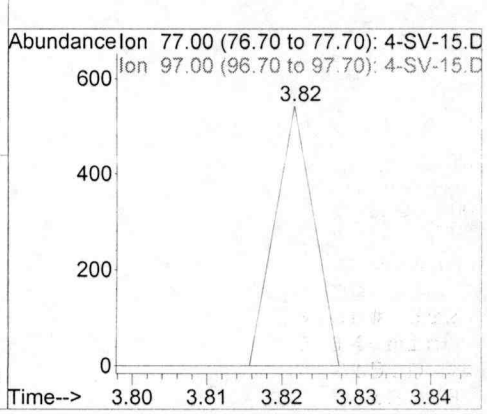


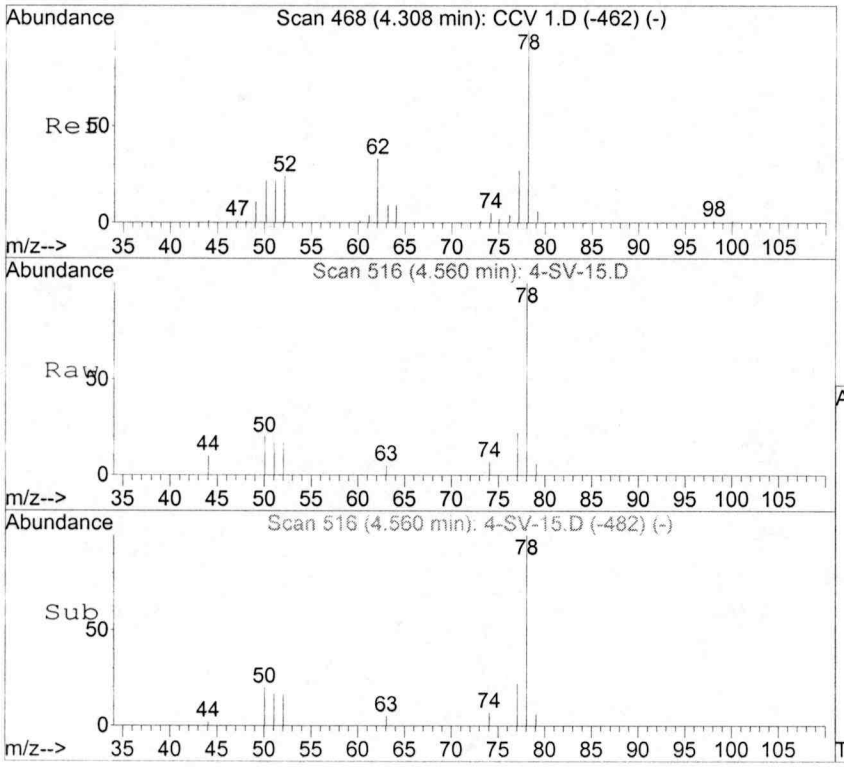


#18
2,2-Dichloropropane
Concen: 0.26 ng
RT: 3.82 min Scan# 392
Delta R.T. -0.14 min
Lab File: 4-SV-15.D
Acq: 15 Nov 2013 12:33 pm

Tgt Ion: 77 Resp: 194

Ion	Ratio	Lower	Upper
77	100		
97	0.0	0.0	53.0

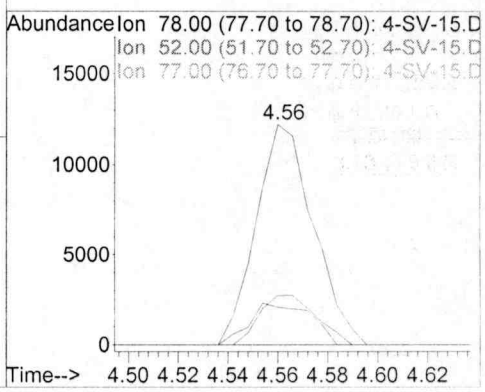


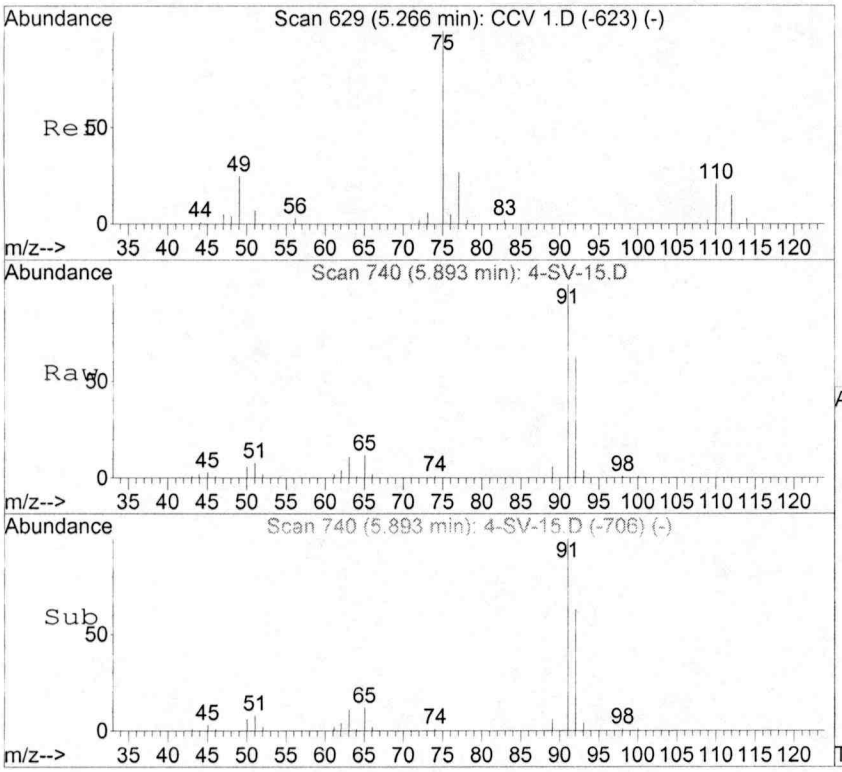


#30
Benzene*
Concen: 10.42 ng
RT: 4.56 min Scan# 516
Delta R.T. 0.00 min
Lab File: 4-SV-15.D
Acq: 15 Nov 2013 12:33 pm

Tgt Ion: 78 Resp: 19497

Ion	Ratio	Lower	Upper
78	100		
52	17.0	3.8	43.8
77	22.3	4.0	44.0

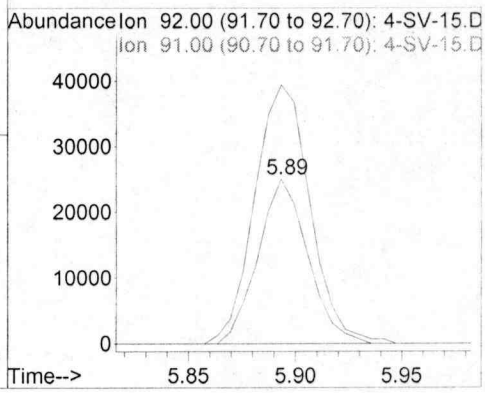


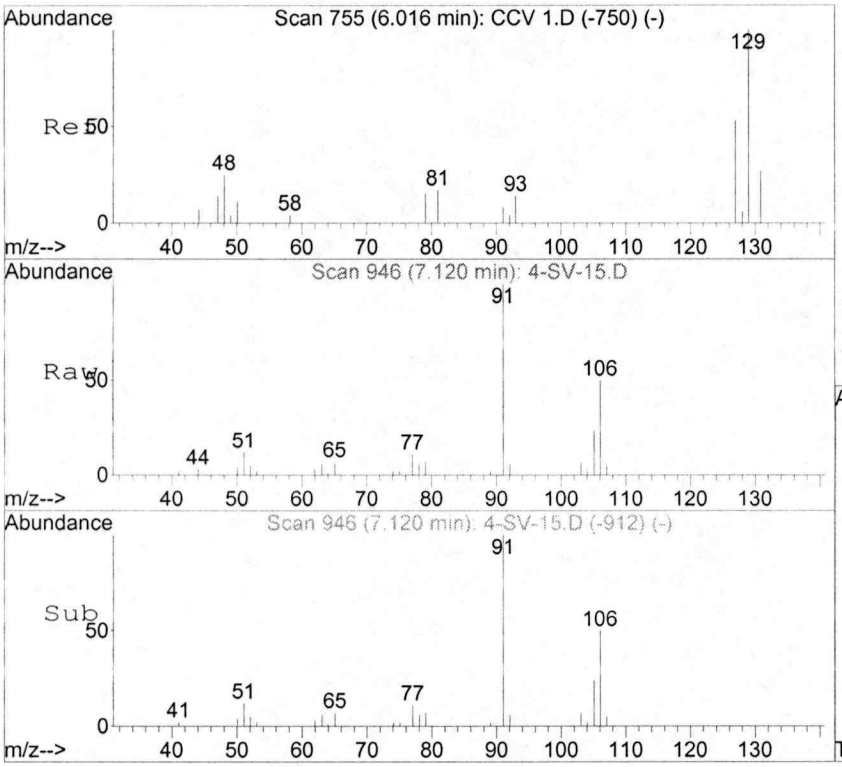


#38
Toluene*
Concen: 29.30 ng
RT: 5.89 min Scan# 740
Delta R.T. 0.00 min
Lab File: 4-SV-15.D
Acq: 15 Nov 2013 12:33 pm

Tgt Ion: 92 Resp: 40338

Ion	Ratio	Lower	Upper
92	100		
91	157.5	130.7	190.7

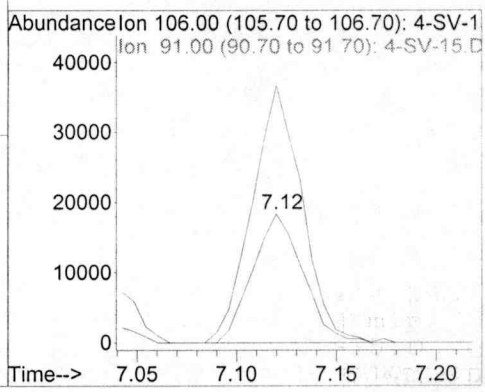




#50
m,p-Xylene*
Concen: 30.50 ng
RT: 7.12 min Scan# 946
Delta R.T. 0.00 min
Lab File: 4-SV-15.D
Acq: 15 Nov 2013 12:33 pm

Tgt Ion:106 Resp: 32099

Ion	Ratio	Lower	Upper
106	100		
91	200.0	163.0	223.0



Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : 4-SV-5.D
Acq On : 15 Nov 2013 1:37 pm
Operator : CS
Sample : E311055-10
Misc : 0.01
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 28 13:11:06 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

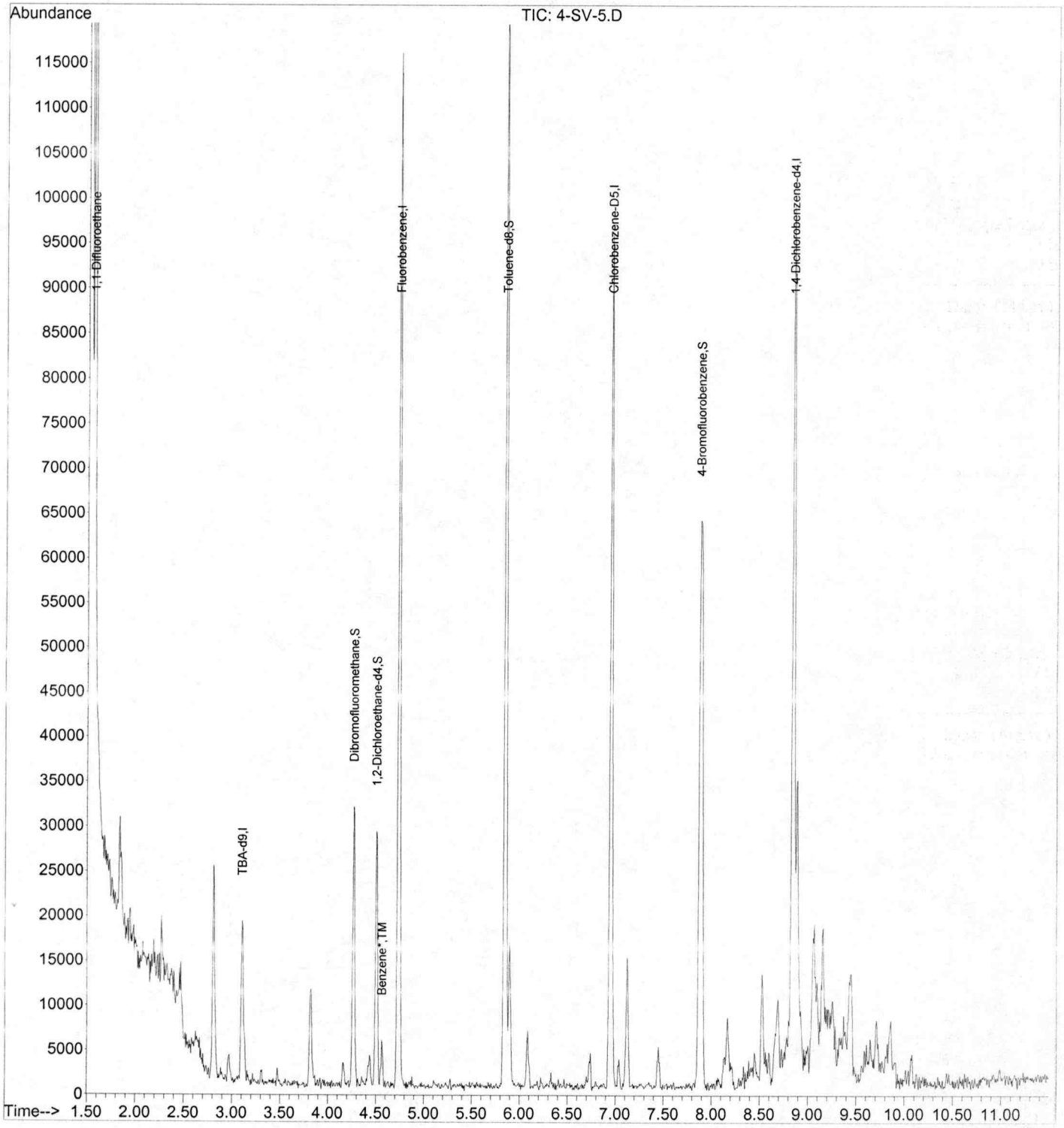
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	90282	50.00 ng	0.00
43) Chlorobenzene-D5	6.95	82	31960	50.00 ng	0.01
54) 1,4-Dichlorobenzene-d4	8.85	152	30708	50.00 ng	0.02
77) TBA-d9	3.10	65	15279	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.27	113	17313	50.60 ng	0.01
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.20%		
27) 1,2-Dichloroethane-d4	4.51	65	19643	61.26 ng	0.01
Spiked Amount 50.000	Range 62 - 139		Recovery = 122.52%		
37) Toluene-d8	5.85	98	80385	51.37 ng	0.01
Spiked Amount 50.000	Range 75 - 125		Recovery = 102.74%		
55) 4-Bromofluorobenzene	7.88	174	19465	44.97 ng	0.01
Spiked Amount 50.000	Range 75 - 125		Recovery = 89.94%		
Target Compounds					Qvalue
2) 1,1-Difluoroethane	1.56	65	31901	109.01 ng	75
30) Benzene*	4.56	78	4384	2.43 ng	95

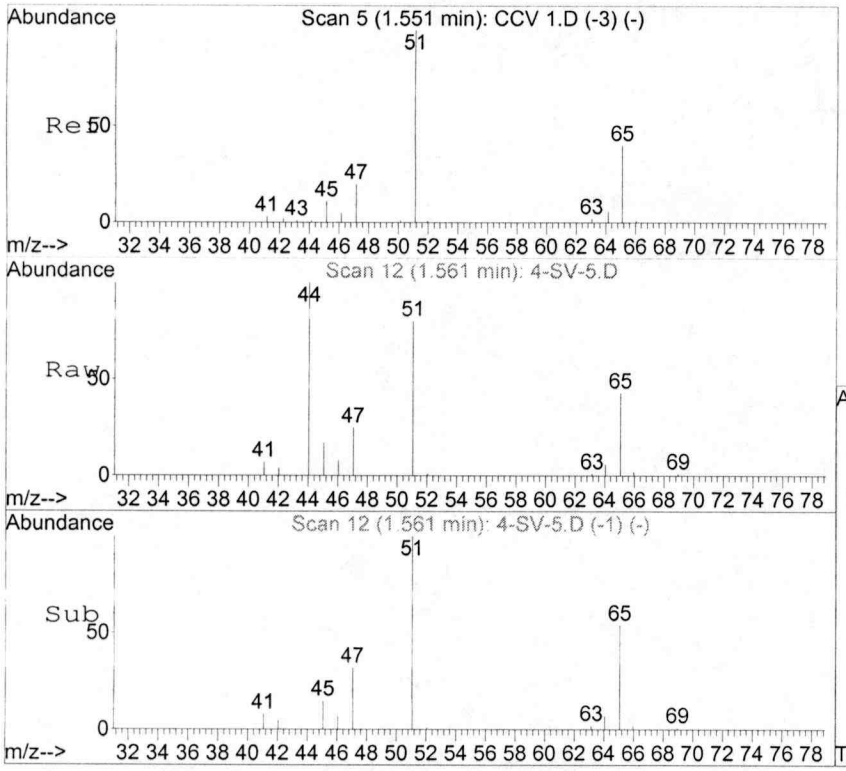
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : 4-SV-5.D
Acq On : 15 Nov 2013 1:37 pm
Operator : CS
Sample : E311055-10
Misc : 0.01
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 28 13:11:06 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

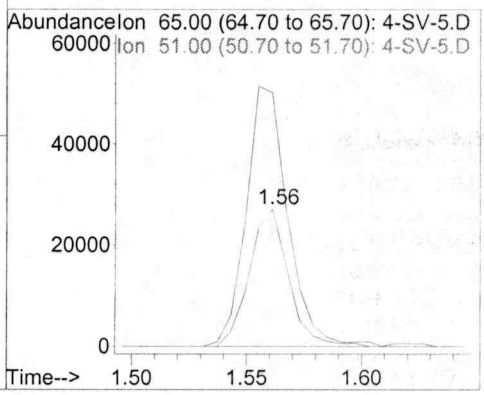


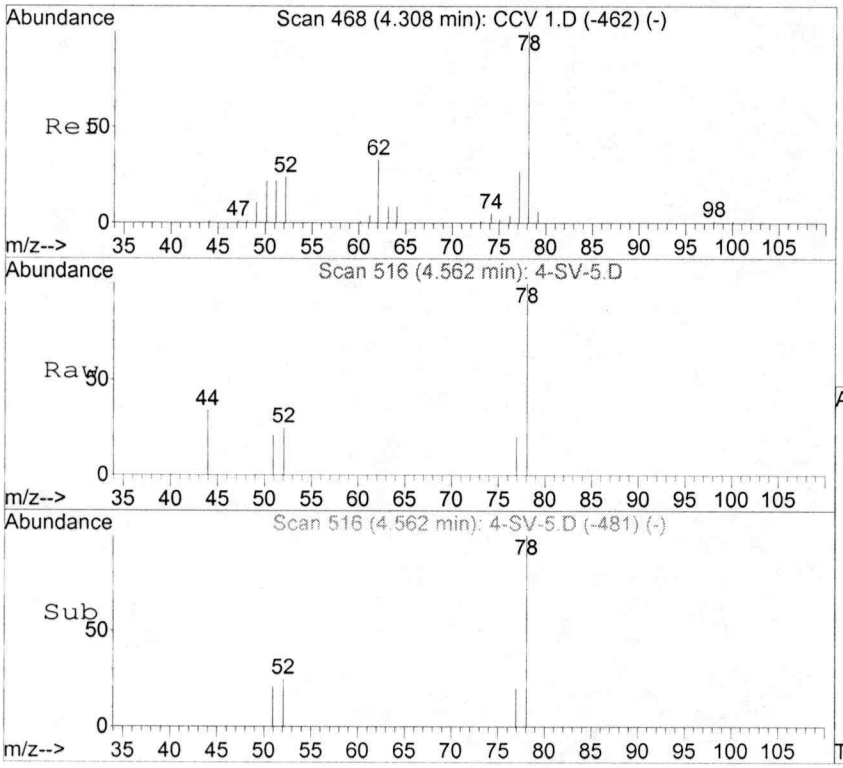


#2
1,1-Difluoroethane
Concen: 109.01 ng
RT: 1.56 min Scan# 12
Delta R.T. 0.01 min
Lab File: 4-SV-5.D
Acq: 15 Nov 2013 1:37 pm

Tgt Ion: 65 Resp: 31901

Ion	Ratio	Lower	Upper
65	100		
51	185.3	181.2	271.8

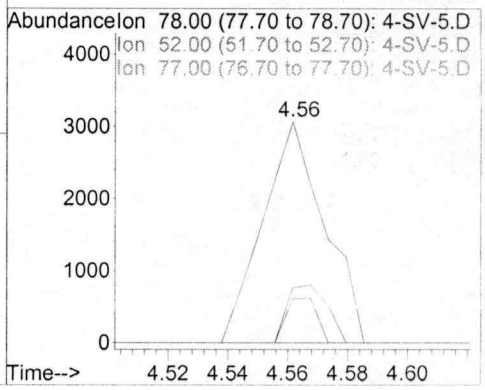




#30
Benzene*
Concen: 2.43 ng
RT: 4.56 min Scan# 516
Delta R.T. 0.01 min
Lab File: 4-SV-5.D
Acq: 15 Nov 2013 1:37 pm

Tgt Ion: 78 Resp: 4384

Ion	Ratio	Lower	Upper
78	100		
52	24.9	3.8	43.8
77	19.9	4.0	44.0



Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : 11-SV-15.D
Acq On : 15 Nov 2013 2:10 pm
Operator : CS
Sample : E311055-11
Misc : 0.01
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 28 13:14:17 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	119864	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	45600	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.84	152	41773	50.00 ng	0.00
77) TBA-d9	3.11	65	18203	1000.00 ng	0.00

System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	23338	51.37 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 102.74%		
27) 1,2-Dichloroethane-d4	4.50	65	26566m	62.40 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 124.80%		
37) Toluene-d8	5.84	98	107120	51.56 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 103.12%		
55) 4-Bromofluorobenzene	7.88	174	26187	44.48 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 88.96%		

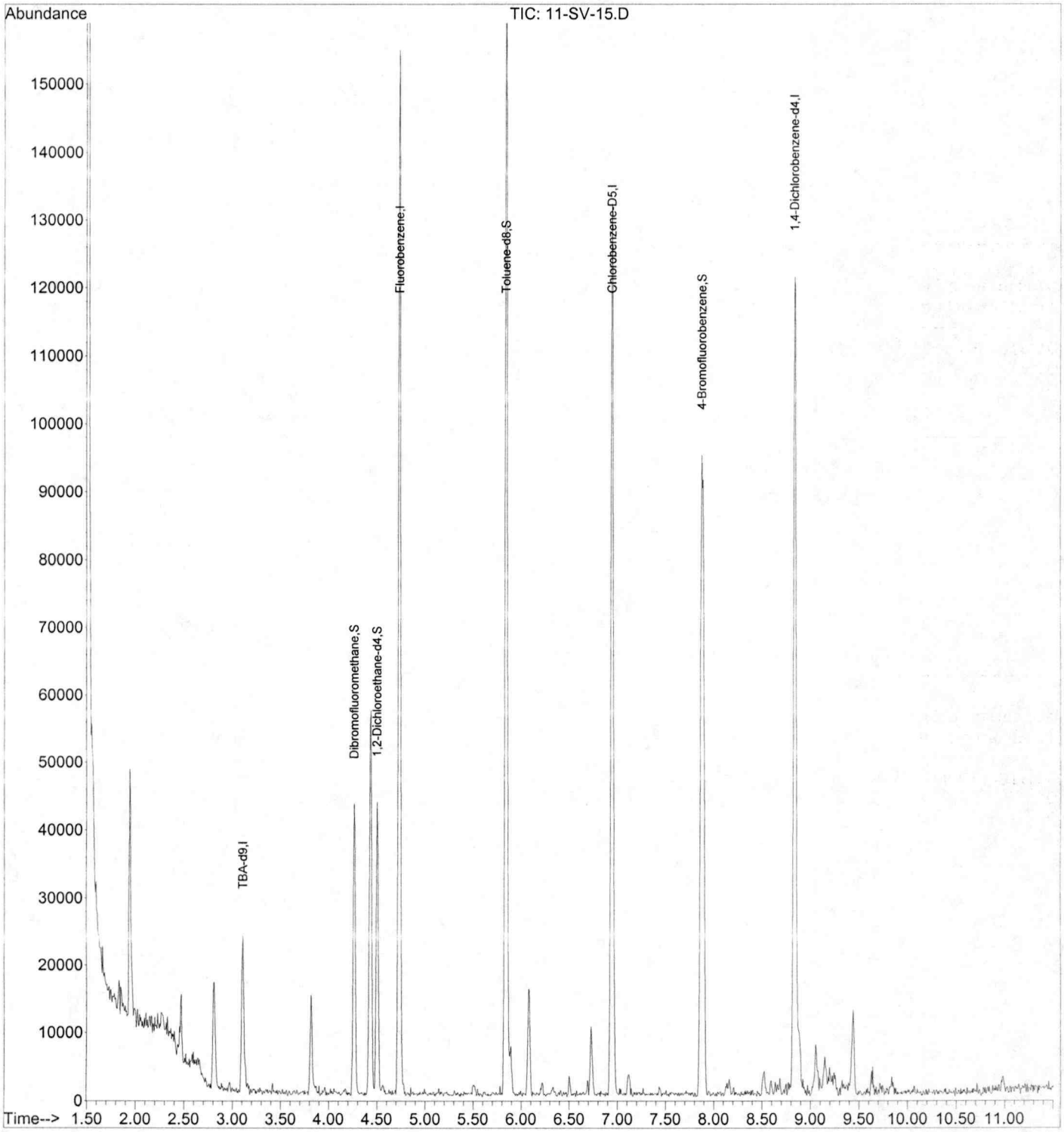
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : 11-SV-15.D
Acq On : 15 Nov 2013 2:10 pm
Operator : CS
Sample : E311055-11
Misc : 0.01
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 28 13:14:17 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\111513\
Data File : 11-SV-5.D
Acq On : 15 Nov 2013 2:32 pm
Operator : CS
Sample : E311055-12
Misc : 0.01
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 28 13:15:52 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	91695	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	33670	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.84	152	30204	50.00 ng	0.00
77) TBA-d9	3.10	65	14947	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	17676	50.86 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.72%		
27) 1,2-Dichloroethane-d4	4.51	65	20391	62.61 ng	0.01
Spiked Amount 50.000	Range 62 - 139		Recovery = 125.22%		
37) Toluene-d8	5.84	98	81731	51.43 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 102.86%		
55) 4-Bromofluorobenzene	7.87	174	19634	46.12 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 92.24%		

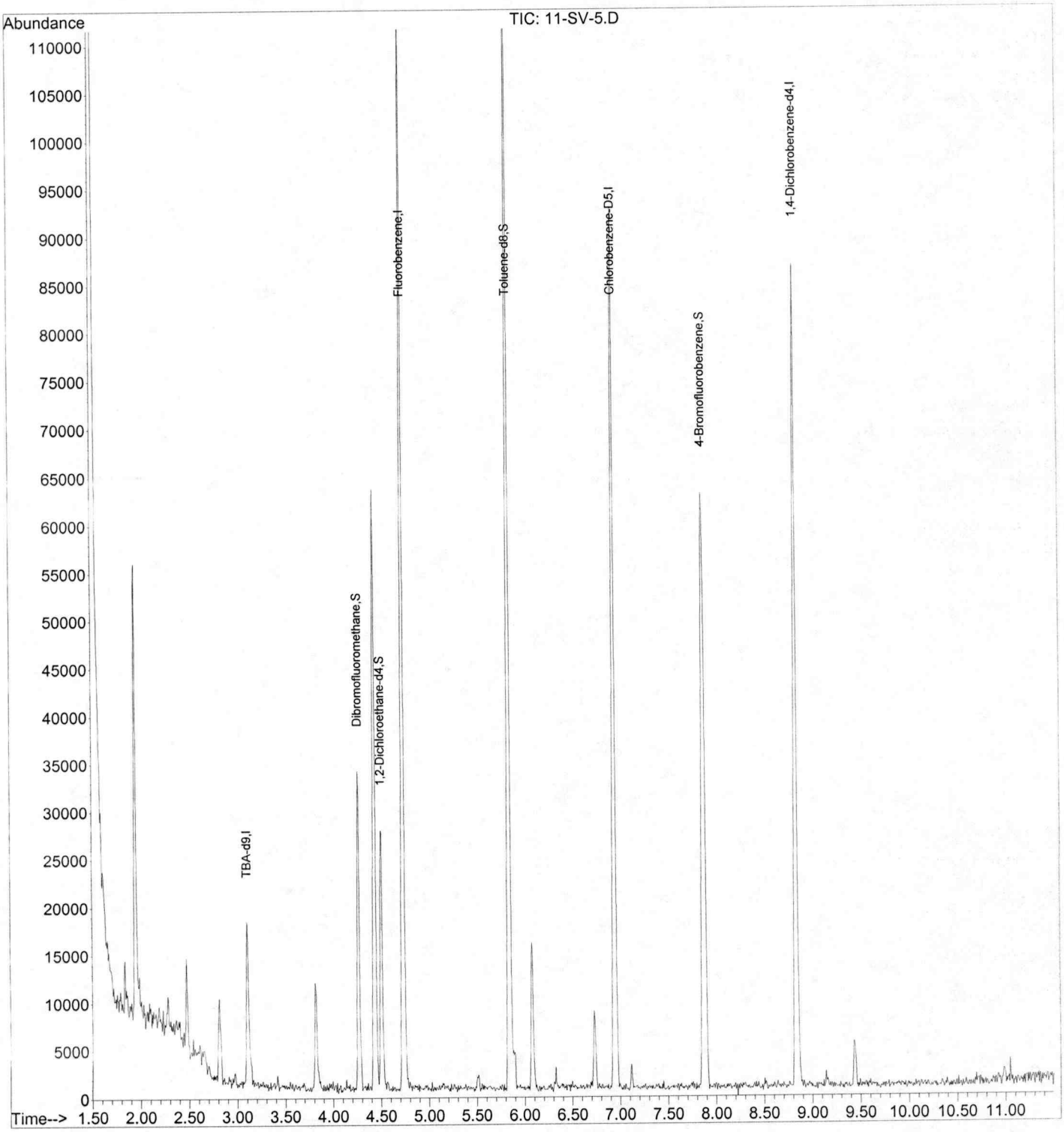
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : 11-SV-5.D
Acq On : 15 Nov 2013 2:32 pm
Operator : CS
Sample : E311055-12
Misc : 0.01
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 28 13:15:52 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\111513\
Data File : 15-SV-15.D
Acq On : 15 Nov 2013 3:00 pm
Operator : CS
Sample : E311055-13
Misc : 0.01
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 28 13:26:28 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	89576	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	34481	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	29622	50.00 ng	0.00
77) TBA-d9	3.10	65	14194	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	18277	53.84 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 107.68%		
27) 1,2-Dichloroethane-d4	4.51	65	19614m	61.65 ng	0.01
Spiked Amount 50.000	Range 62 - 139		Recovery = 123.30%		
37) Toluene-d8	5.84	98	77347	49.82 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.64%		
55) 4-Bromofluorobenzene	7.87	174	20181	48.34 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 96.68%		

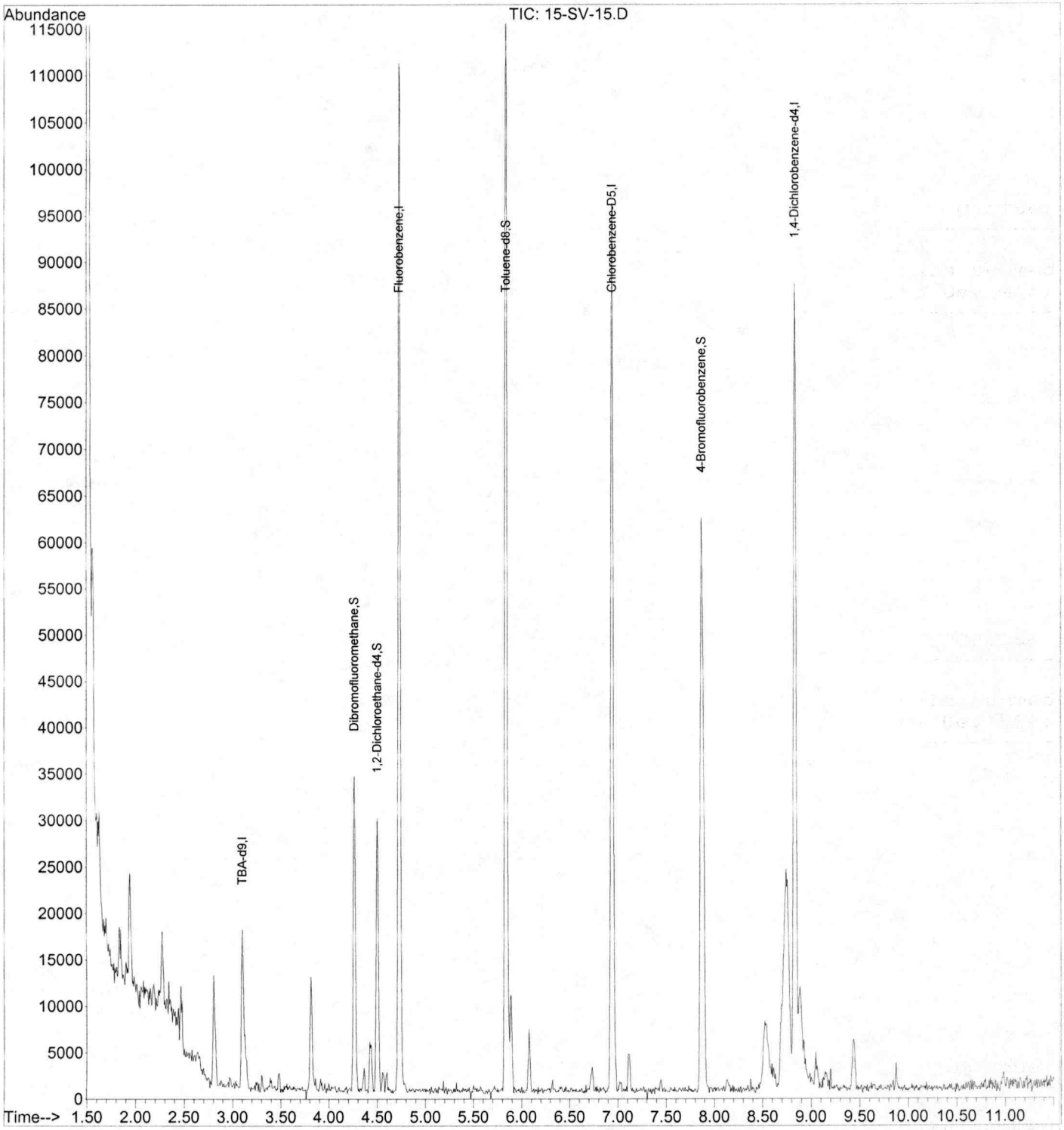
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : 15-SV-15.D
Acq On : 15 Nov 2013 3:00 pm
Operator : CS
Sample : E311055-13
Misc : 0.01
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 28 13:26:28 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\111513\
Data File : 15-SV-5.D
Acq On : 15 Nov 2013 3:19 pm
Operator : CS
Sample : E311055-14
Misc : 0.01
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jan 28 14:17:00 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	83213	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	29706	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.84	152	26307	50.00 ng	0.00
77) TBA-d9	3.10	65	13769	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	18030	57.17 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 114.34%		
27) 1,2-Dichloroethane-d4	4.50	65	19287	65.26 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 130.52%		
37) Toluene-d8	5.84	98	71345	49.47 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.94%		
55) 4-Bromofluorobenzene	7.87	174	18075	48.75 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 97.50%		

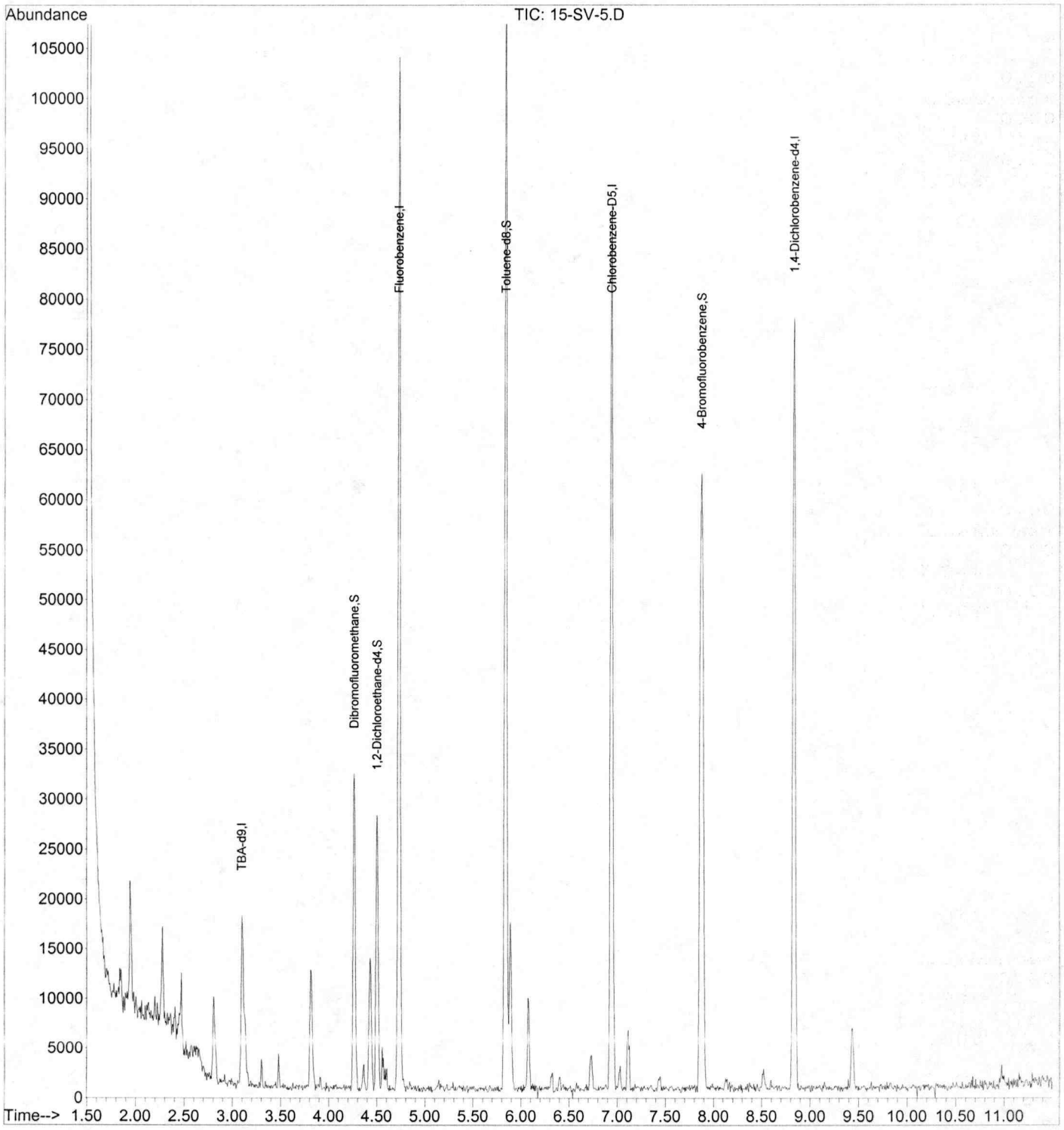
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : 15-SV-5.D
Acq On : 15 Nov 2013 3:19 pm
Operator : CS
Sample : E311055-14
Misc : 0.01
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jan 28 14:17:00 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\111513\
Data File : 1-SV-10.D
Acq On : 15 Nov 2013 4:33 pm
Operator : CS
Sample : E311055-15
Misc : 0.01
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jan 28 14:18:39 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

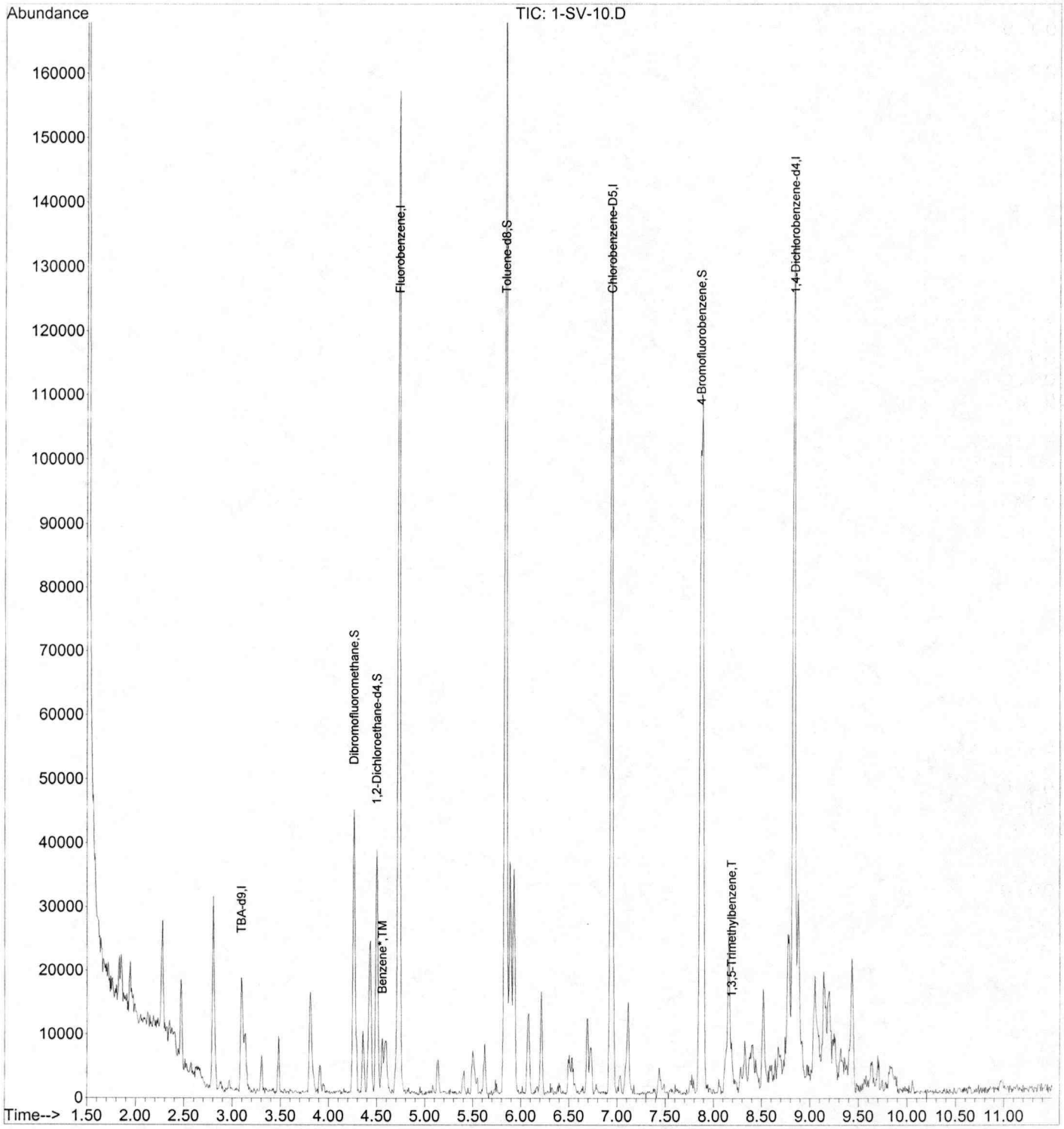
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	123447	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	45117	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.84	152	39227	50.00 ng	0.00
77) TBA-d9	3.09	65	13534	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	23774	50.82 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.64%		
27) 1,2-Dichloroethane-d4	4.50	65	25731	58.68 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 117.36%		
37) Toluene-d8	5.84	98	107444	50.22 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.44%		
55) 4-Bromofluorobenzene	7.87	174	28601	51.73 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 103.46%		
Target Compounds					Qvalue
30) Benzene*	4.56	78	7004	2.84 ng	99
61) 1,3,5-Trimethylbenzene	8.20	105	2642	1.10 ng	98

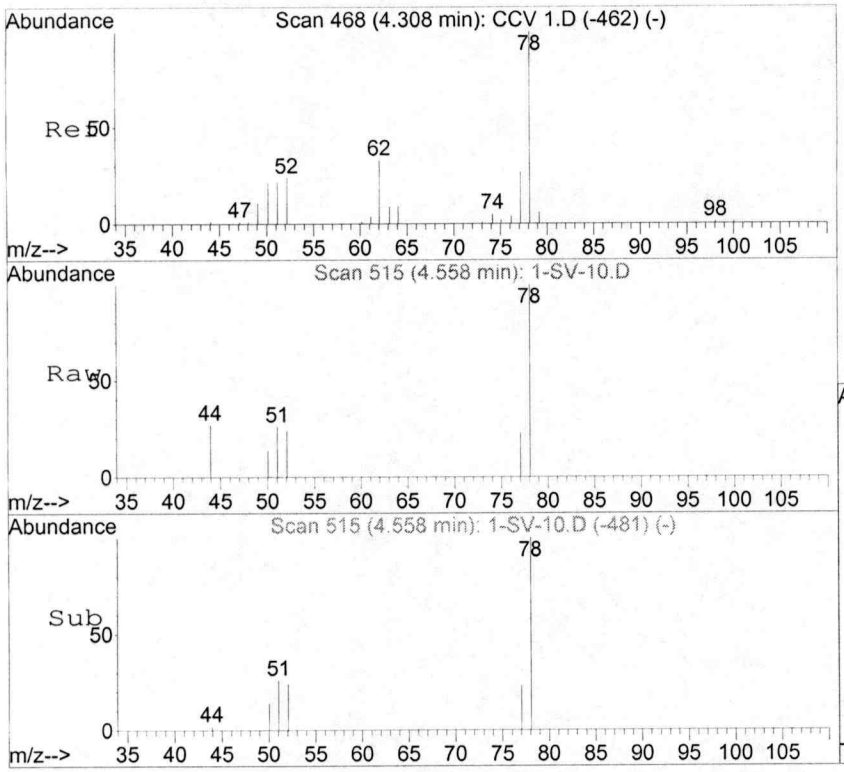
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111513\
Data File : 1-SV-10.D
Acq On : 15 Nov 2013 4:33 pm
Operator : CS
Sample : E311055-15
Misc : 0.01
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jan 28 14:18:39 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

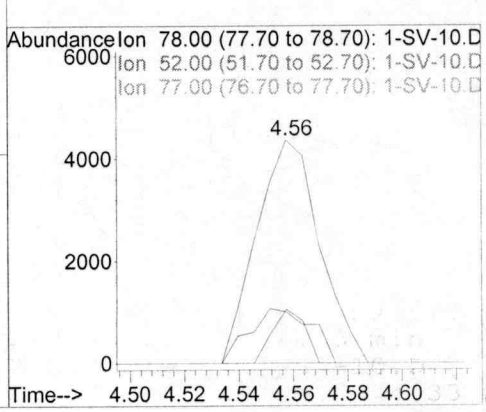


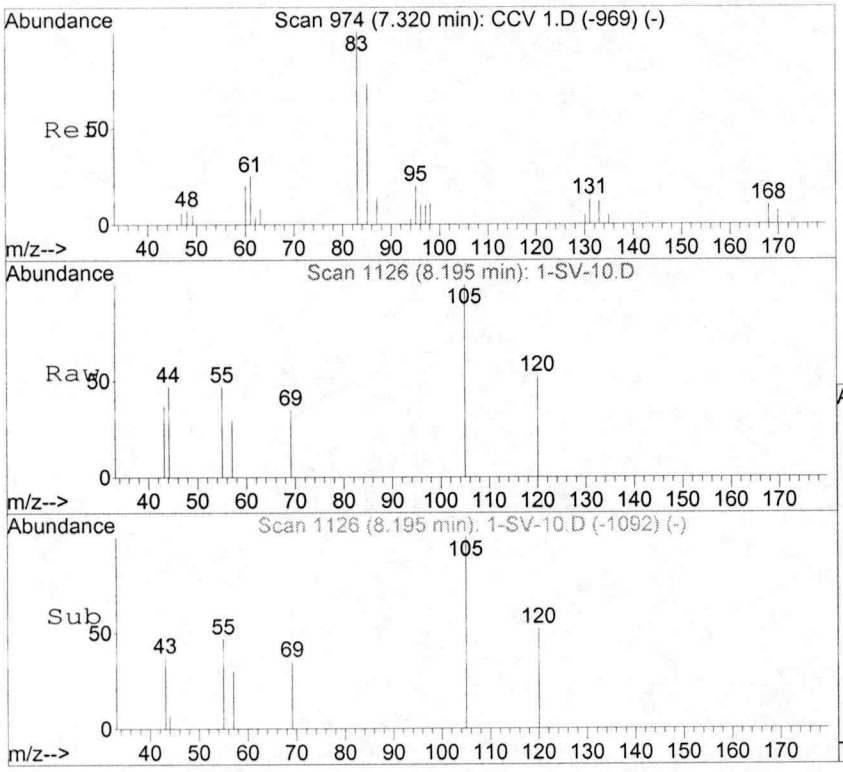


#30
Benzene*
Concen: 2.84 ng
RT: 4.56 min Scan# 515
Delta R.T. 0.00 min
Lab File: 1-SV-10.D
Acq: 15 Nov 2013 4:33 pm

Tgt Ion: 78 Resp: 7004

Ion	Ratio	Lower	Upper
78	100		
52	24.1	3.8	43.8
77	23.0	4.0	44.0

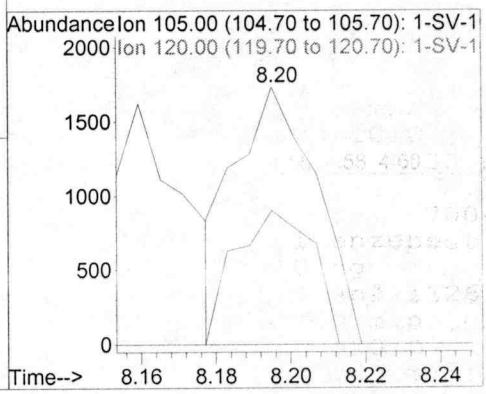




#61
1,3,5-Trimethylbenzene
Concen: 1.10 ng
RT: 8.20 min Scan# 1126
Delta R.T. 0.00 min
Lab File: 1-SV-10.D
Acq: 15 Nov 2013 4:33 pm

Tgt Ion:105 Resp: 2642

Ion	Ratio	Lower	Upper
105	100		
120	52.0	23.6	83.6



Quantitation Report (Not Reviewed)

Data Path : E:\data\111513\
Data File : LCS.D
Acq On : 15 Nov 2013 4:50 pm
Operator : CS
Sample : EK31501-BS1
Misc : 0.05
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 15 17:02:05 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	116067	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	40151	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	40519	50.00 ng	0.00
77) TBA-d9	3.10	65	12909	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	22216	50.50 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.00%		
27) 1,2-Dichloroethane-d4	4.50	65	23814	57.77 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 115.54%		
37) Toluene-d8	5.83	98	107367	53.37 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 106.74%		
55) 4-Bromofluorobenzene	7.86	174	28174	49.33 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.66%		
Target Compounds					Qvalue
2) 1,1-Difluoroethane	1.56	65	26714	71.01 ng	98
3) Dichlorodifluoromethane	1.60	85	68373	82.24 ng	91
4) Chloromethane	1.76	50	71922	72.64 ng	98
5) Vinyl Chloride	1.86	62	67830	89.38 ng	95
6) Bromomethane	2.14	94	38888	84.16 ng	98
7) Chloroethane	2.21	64	39530	86.76 ng	99
8) Trichlorofluoromethane	2.42	101	123409	111.76 ng	98
9) 1,1-Dichloroethene	2.79	96	55461	95.46 ng	94
10) Freon-113	2.78	101	70128	102.53 ng	86
11) acetone	2.80	43	59529	730.69 ng	99
12) Methylene Chloride	3.11	84	47105	95.31 ng	93
13) MTBE*	3.29	73	77051	113.64 ng	95
14) trans-1,2-Dichloroethene	3.30	96	66609	106.72 ng	91
15) Diisopropyl ether*	3.60	45	142064	96.90 ng	98
16) 1,1-Dichloroethane	3.58	63	106172	96.90 ng	96
17) Ethyl-t-butyl ether*	3.84	59	116822	95.51 ng	94
18) 2,2-Dichloropropane	3.96	77	108813	117.86 ng	95
19) 2-Butanone	3.94	72	17295	899.82 ng	71
20) cis-1,2-Dichloroethene	3.96	96	59026	96.86 ng	98
21) Chloroform	4.16	83	101567	106.93 ng	91
22) Bromochloromethane	4.12	128	21045	90.22 ng	95
23) 1,1,1-Trichloroethane	4.30	97	117937	113.77 ng	98
25) 1,1-Dichloropropene	4.41	75	85971	103.02 ng	97
26) Carbon Tetrachloride	4.43	117	104595	102.07 ng	98
28) 1,2-Dichloroethane	4.55	62	60887	125.58 ng	96
29) TAME* (2-methoxy-2-methylb	4.60	73	82206	104.58 ng	96
30) Benzene*	4.55	78	218347	94.12 ng	97
31) Trichloroethene	4.98	95	65605	98.30 ng	84
32) 1,2-Dichloropropane	5.14	63	46866	89.61 ng	98
33) Bromodichloromethane	5.31	83	63391	110.90 ng	91
34) Dibromomethane	5.22	93	18415	101.44 ng	95
35) cis-1,3-Dichloropropene	5.63	75	58757	99.09 ng	92
36) Methyl Isobutyl Ketone	5.70	43	216782	1032.60 ng	99
38) Toluene*	5.89	92	159806	93.57 ng	96
39) trans-1,3-Dichloropropene	6.01	75	48565	104.83 ng	100
40) 1,1,2-Trichloroethane	6.16	83	21974	95.47 ng	88
41) 2-Hexanone	6.31	43	140429	1027.78 ng #	98

Quantitation Report (Not Reviewed)

Data Path : E:\data\111513\
Data File : LCS.D
Acq On : 15 Nov 2013 4:50 pm
Operator : CS
Sample : EK31501-BS1
Misc : 0.05
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 15 17:02:05 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

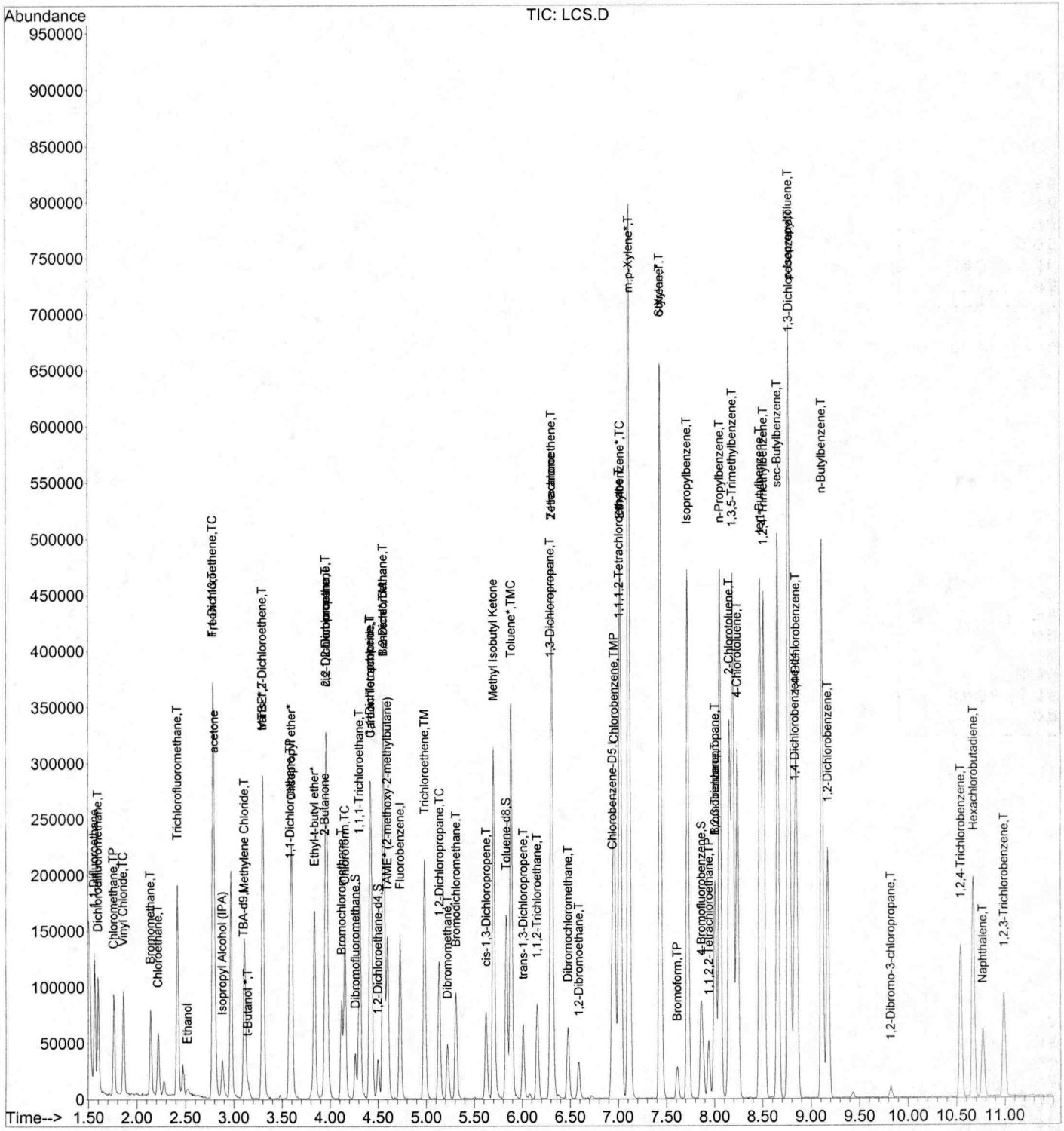
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
42) 1,2-Dibromoethane	6.59	107	25450	101.12 ng		73
44) 1,3-Dichloropropane	6.29	76	47848	97.44 ng		97
45) Tetrachloroethene	6.31	164	62535	89.77 ng		92
46) Dibromochloromethane	6.48	129	38614	103.22 ng		99
47) Chlorobenzene	6.96	112	160577	93.80 ng		93
48) Ethylbenzene*	7.02	106	93215	103.31 ng		91
49) 1,1,1,2-Tetrachloroethane	7.01	131	52318	94.35 ng		93
50) m,p-Xylene*	7.11	106	248497	206.87 ng		85
51) o-Xylene*	7.44	106	109513	103.92 ng		97
52) Styrene	7.44	104	168004	110.35 ng		89
53) Bromoform	7.62	173	17609	100.07 ng		88
56) Isopropylbenzene	7.72	105	336916	124.90 ng		97
57) 1,1,2,2-Tetrachloroethane	7.94	83	28645	88.37 ng		96
58) 1,2,3-Trichloropropane	8.00	75	28815	98.82 ng		93
59) n-Propylbenzene	8.06	91	417273	116.70 ng		98
60) Bromobenzene	8.01	156	61006	93.65 ng		97
61) 1,3,5-Trimethylbenzene	8.19	105	295205	119.25 ng		95
62) 2-Chlorotoluene	8.16	91	258402	112.25 ng		93
63) 4-Chlorotoluene	8.24	91	235912	114.42 ng		93
64) tert-Butylbenzene	8.48	119	298429	112.40 ng		91
65) 1,2,4-Trimethylbenzene	8.51	105	294958	126.20 ng		94
66) sec-Butylbenzene	8.66	105	397340	116.59 ng		98
67) p-Isopropyltoluene	8.77	119	353739	126.17 ng		95
68) 1,3-Dichlorobenzene	8.78	146	154399	101.93 ng		98
69) 1,4-Dichlorobenzene	8.85	146	142834	99.40 ng		95
70) n-Butylbenzene	9.11	91	318724	127.54 ng		98
71) 1,2-Dichlorobenzene	9.17	146	119296	97.32 ng		95
72) 1,2-Dibromo-3-chloropropan	9.82	75	4724	122.56 ng		82
73) 1,2,4-Trichlorobenzene	10.54	180	58720	97.35 ng		90
74) Hexachlorobutadiene	10.67	225	46631	99.67 ng		94
75) Naphthalene	10.77	128	70755	86.28 ng		95
76) 1,2,3-Trichlorobenzene	10.99	180	43164	98.09 ng		87
78) Ethanol	2.52	45	6519	3471.17 ng	#	100
79) Isopropyl Alcohol (IPA)	2.88	45	38648	3509.78 ng	#	100
80) t-Butanol *	3.15	59	9248	465.78 ng		85

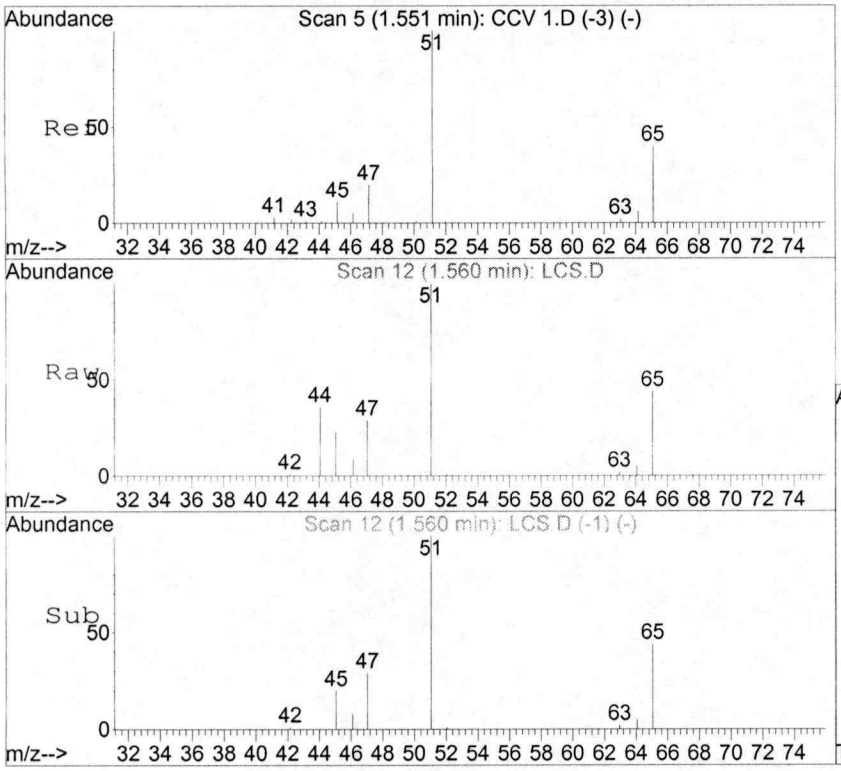
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : E:\data\111513\
Data File : LCS.D
Acq On : 15 Nov 2013 4:50 pm
Operator : CS
Sample : EK31501-BS1
Misc : 0.05
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 15 17:02:05 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

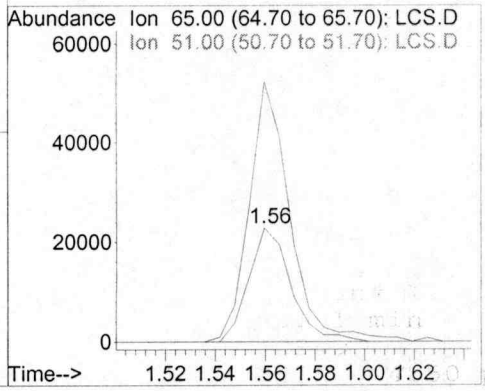


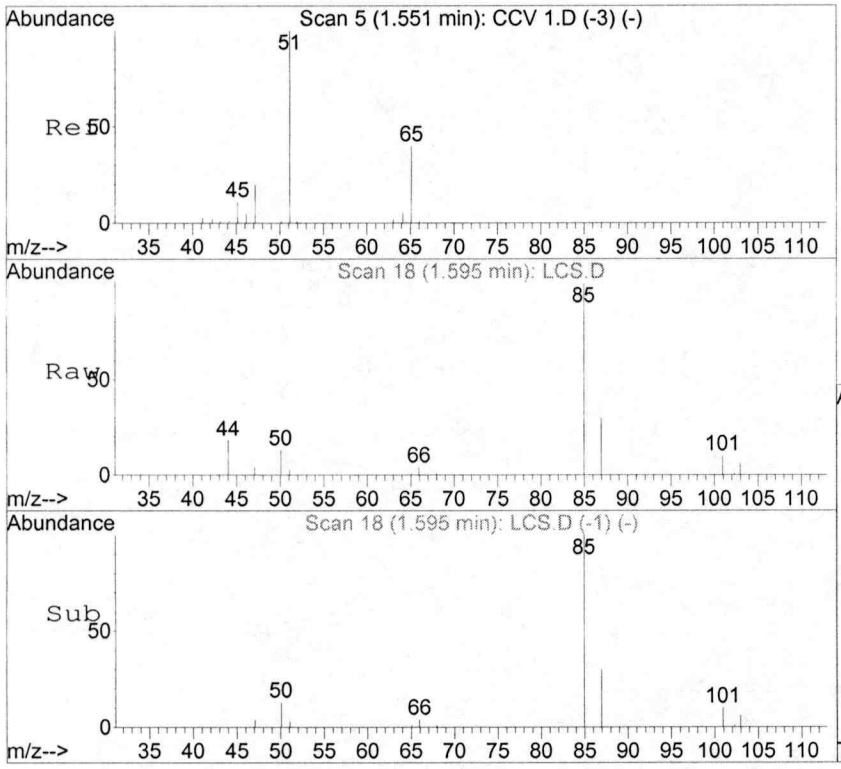


#2
1,1-Difluoroethane
Concen: 71.01 ng
RT: 1.56 min Scan# 12
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 65 Resp: 26714

Ion	Ratio	Lower	Upper
65	100		
51	229.5	181.2	271.8

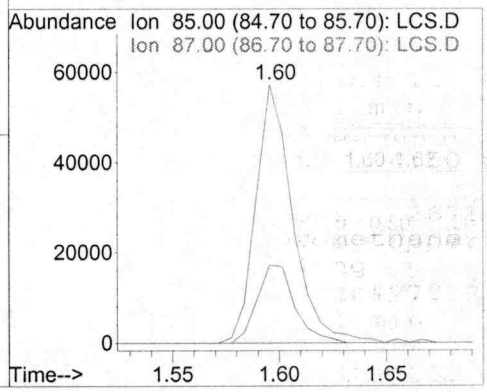


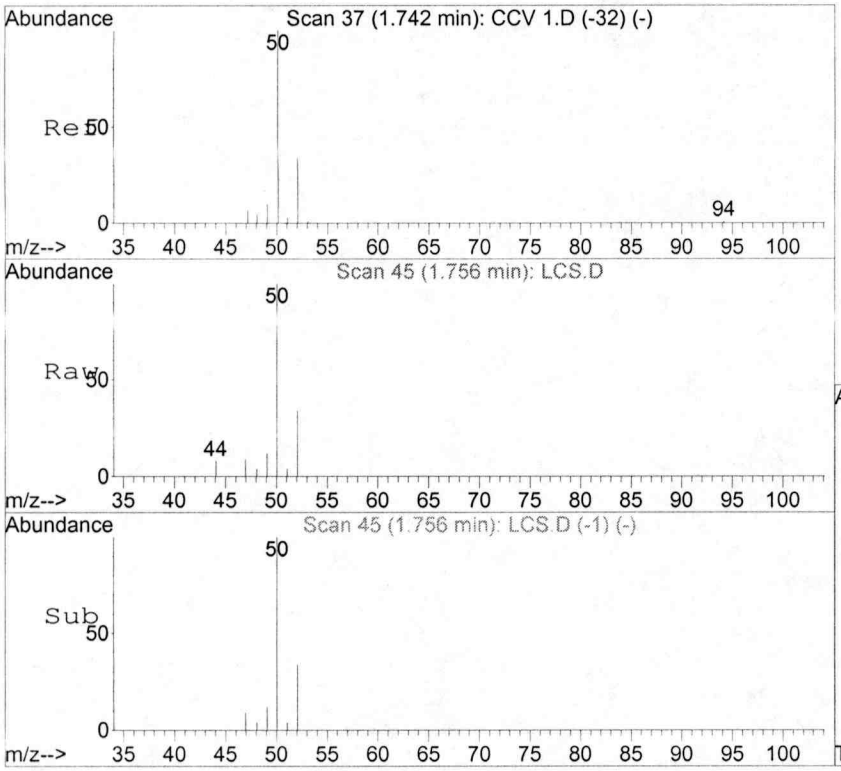


#3
Dichlorodifluoromethane
Concen: 82.24 ng
RT: 1.60 min Scan# 18
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 85 Resp: 68373

Ion	Ratio	Lower	Upper
85	100		
87	30.0	5.1	65.1

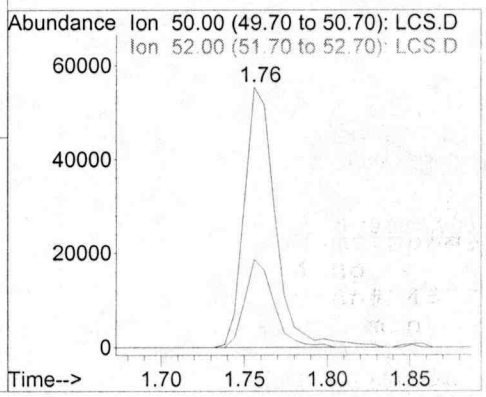


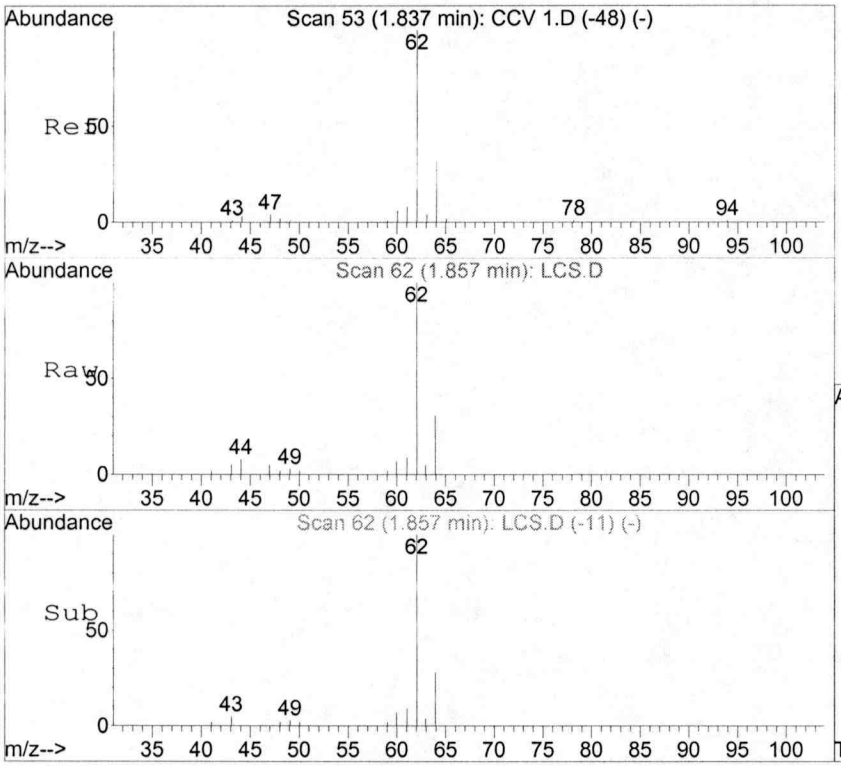


#4
Chloromethane
Concen: 72.64 ng
RT: 1.76 min Scan# 45
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 50 Resp: 71922

Ion	Ratio	Lower	Upper
50	100		
52	33.5	2.3	62.3

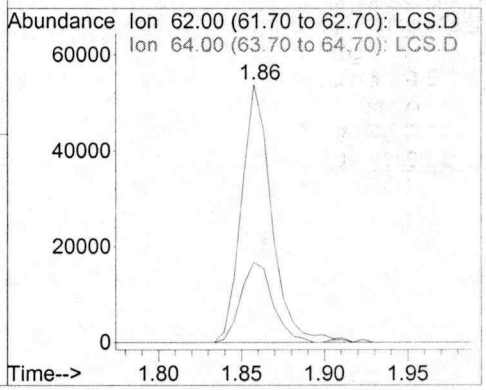


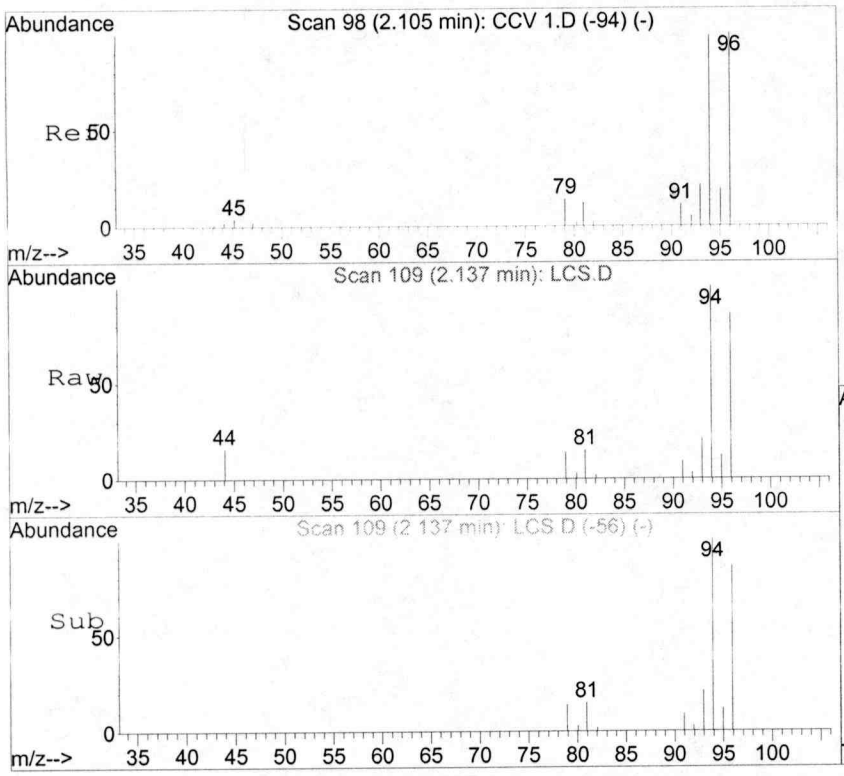


#5
Vinyl Chloride
Concen: 89.38 ng
RT: 1.86 min Scan# 62
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 62 Resp: 67830

Ion	Ratio	Lower	Upper
62	100		
64	31.0	0.0	58.4

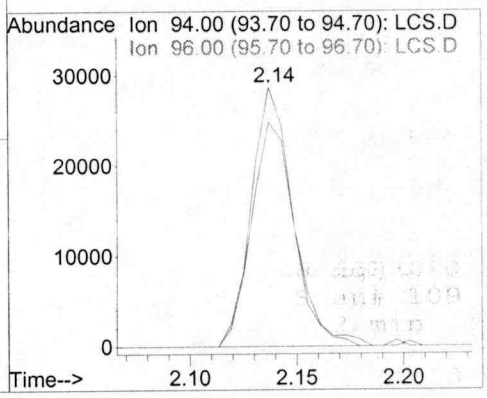


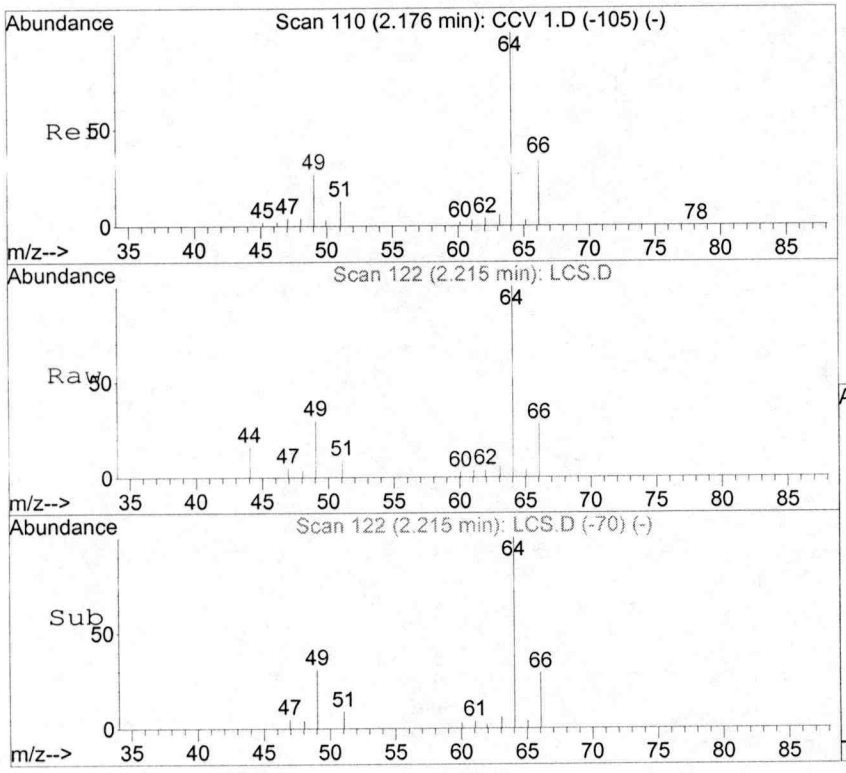


#6
Bromomethane
Concen: 84.16 ng
RT: 2.14 min Scan# 109
Delta R.T. 0.02 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 94 Resp: 38888

Ion	Ratio	Lower	Upper
94	100		
96	86.4	54.5	114.5

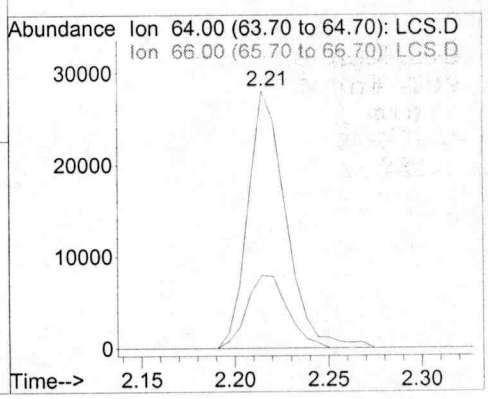


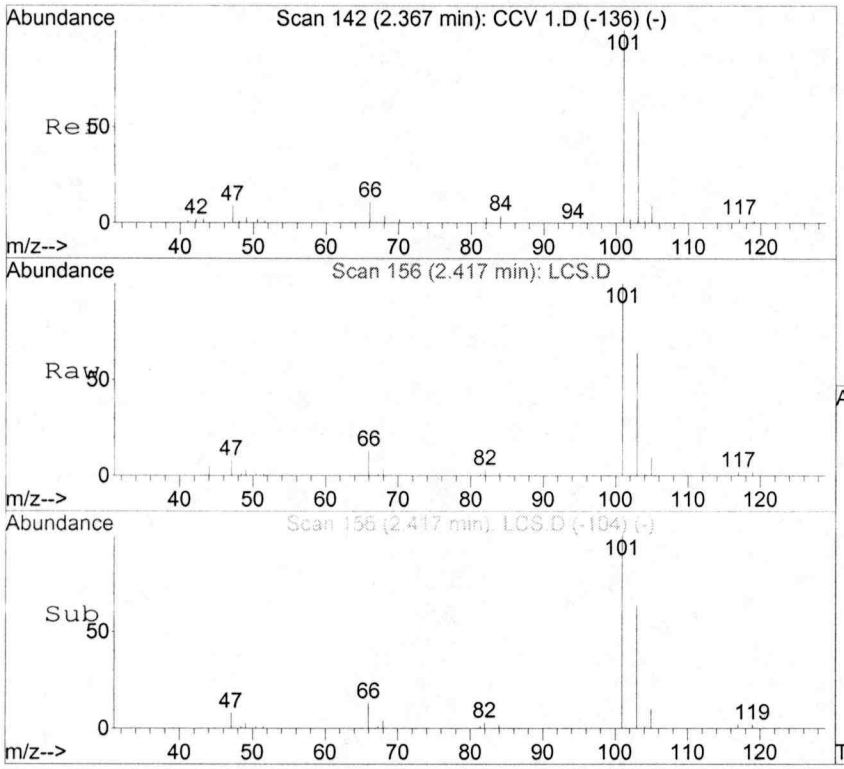


#7
Chloroethane
Concen: 86.76 ng
RT: 2.21 min Scan# 122
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 64 Resp: 39530

Ion	Ratio	Lower	Upper
64	100		
66	28.2	0.0	58.7

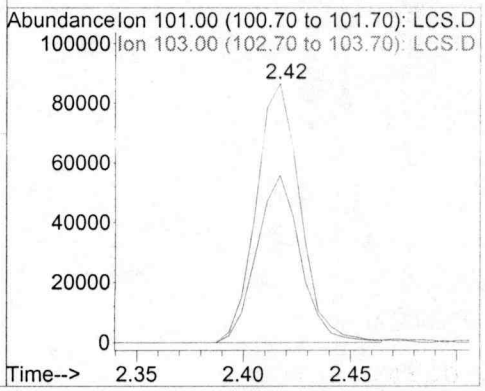


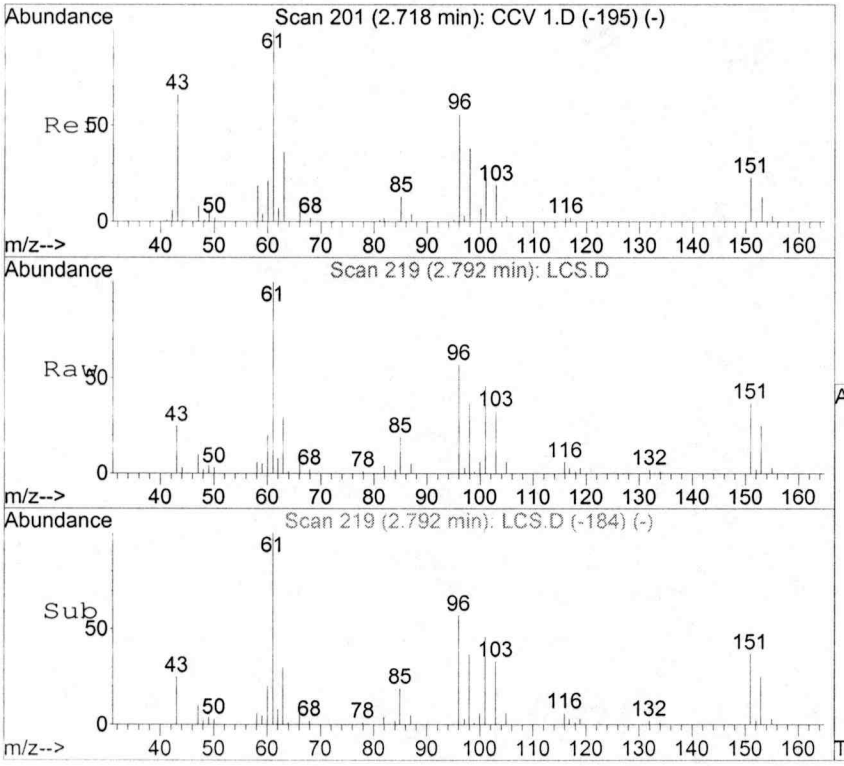


#8
Trichlorofluoromethane
Concen: 111.76 ng
RT: 2.42 min Scan# 156
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:101 Resp: 123409

Ion	Ratio	Lower	Upper
101	100		
103	64.5	33.2	93.2

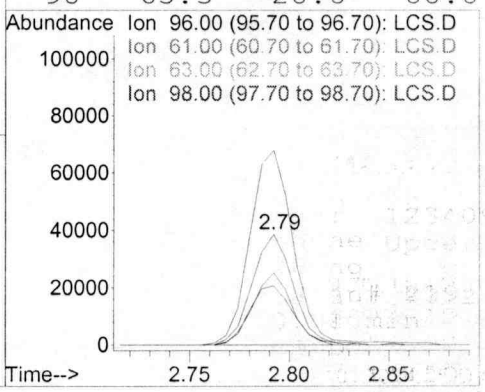


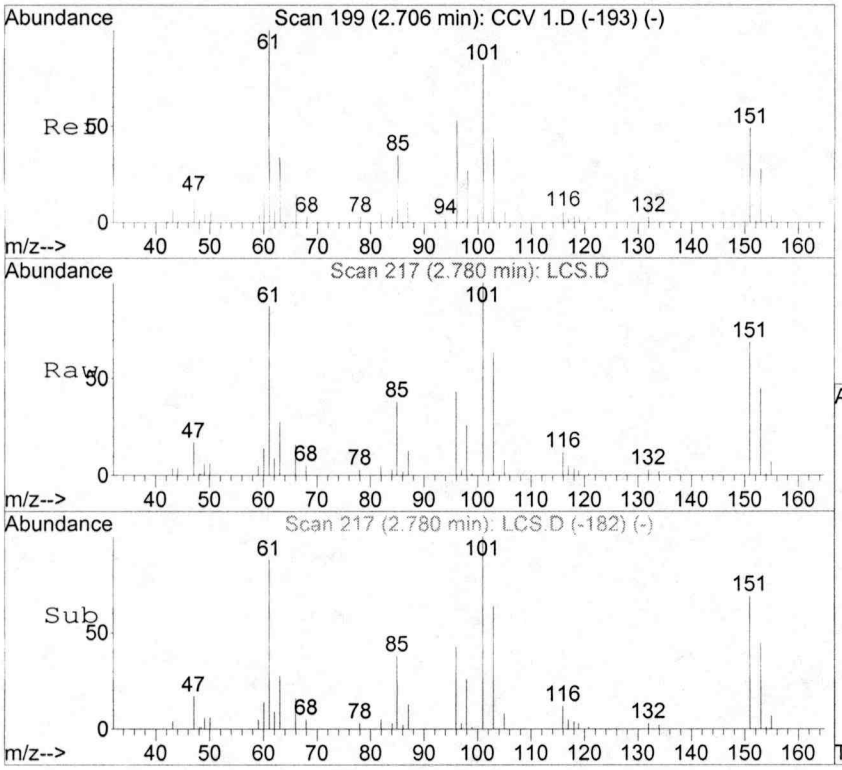


#9
1,1-Dichloroethene
Concen: 95.46 ng
RT: 2.79 min Scan# 219
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 96 Resp: 55461

Ion	Ratio	Lower	Upper
96	100		
61	175.9	139.2	199.2
63	53.6	18.9	78.9
98	65.3	28.8	88.8

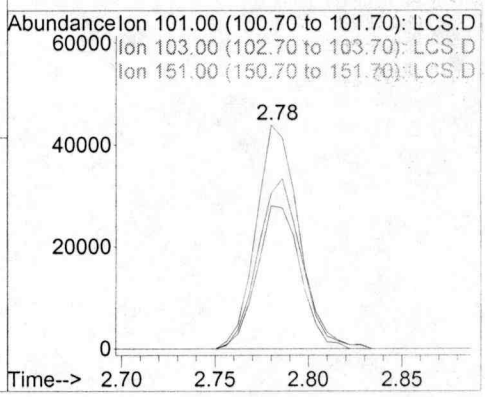


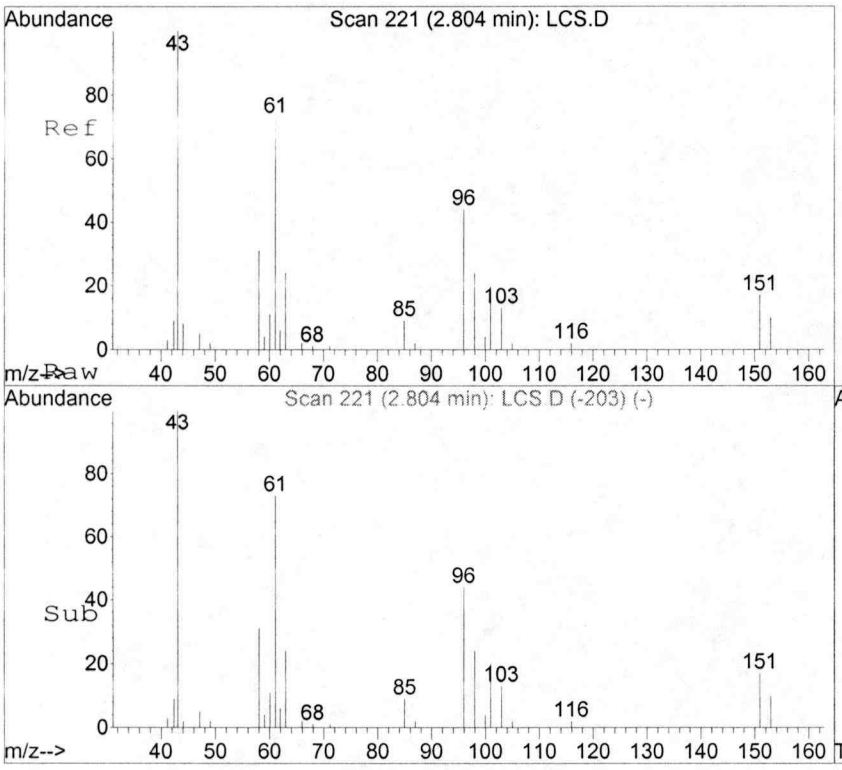


#10
Freon-113
Concen: 102.53 ng
RT: 2.78 min Scan# 217
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:101 Resp: 70128

Ion	Ratio	Lower	Upper
101	100		
103	63.9	32.5	92.5
151	69.4	60.9	120.9

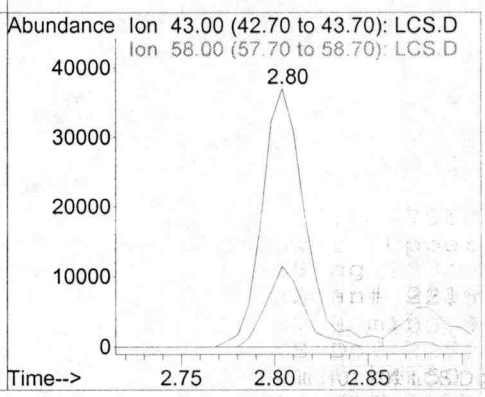


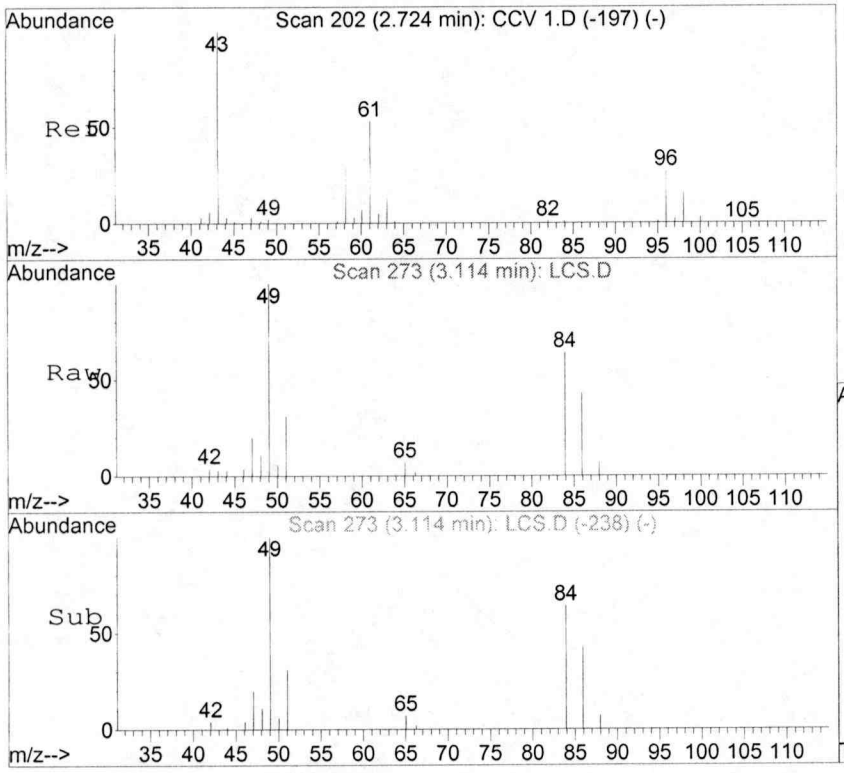


#11
acetone
Concen: 730.69 ng
RT: 2.80 min Scan# 221
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 43 Resp: 59529

Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.4	36.6

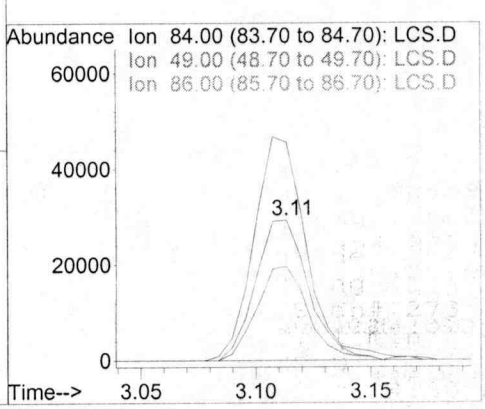


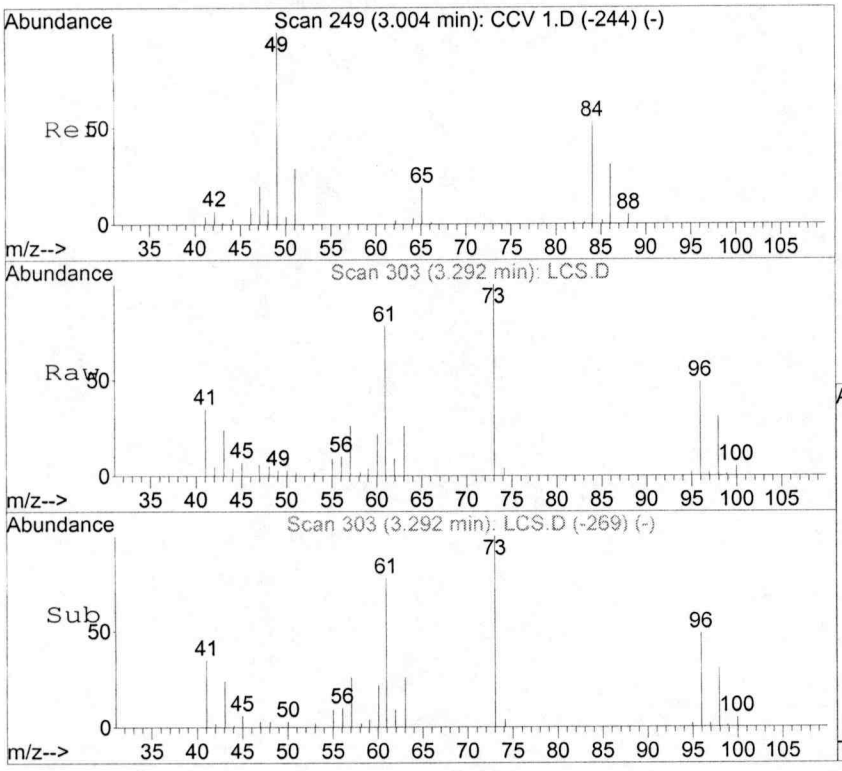


#12
Methylene Chloride
Concen: 95.31 ng
RT: 3.11 min Scan# 273
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 84 Resp: 47105

Ion	Ratio	Lower	Upper
84	100		
49	155.5	134.9	194.9
86	67.1	33.0	93.0

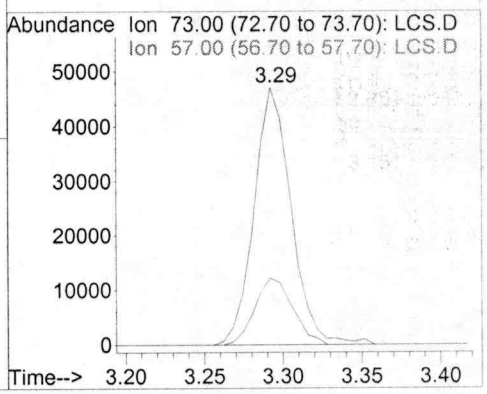


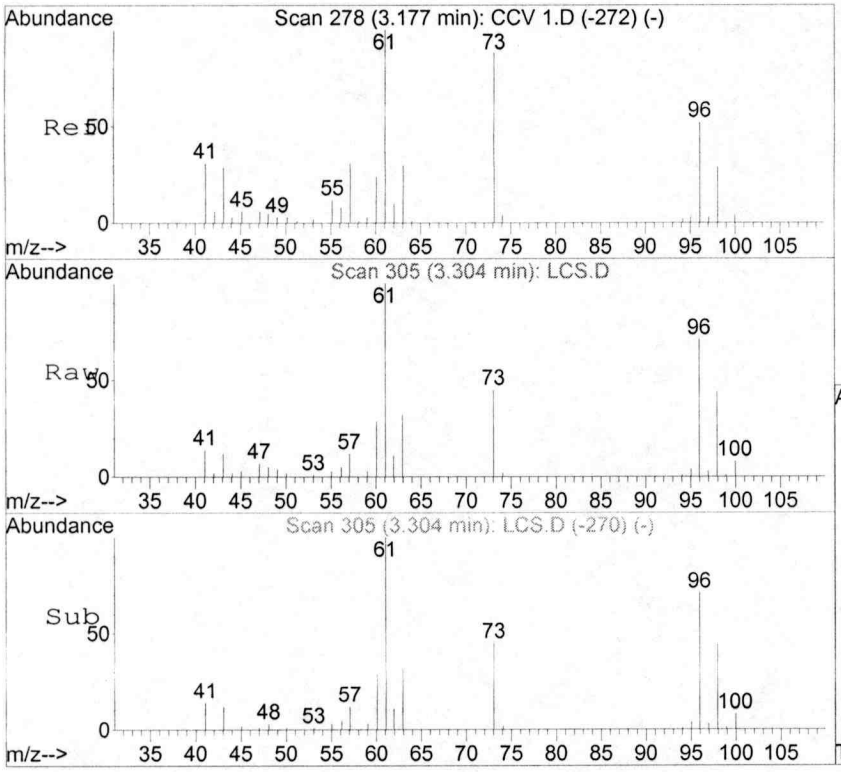


#13
MTBE*
Concen: 113.64 ng
RT: 3.29 min Scan# 303
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 73 Resp: 77051

Ion	Ratio	Lower	Upper
73	100		
57	25.8	0.0	58.3

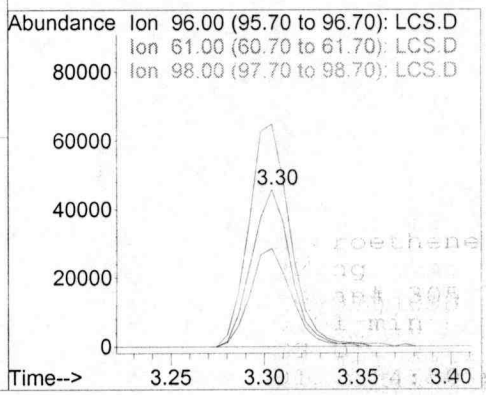


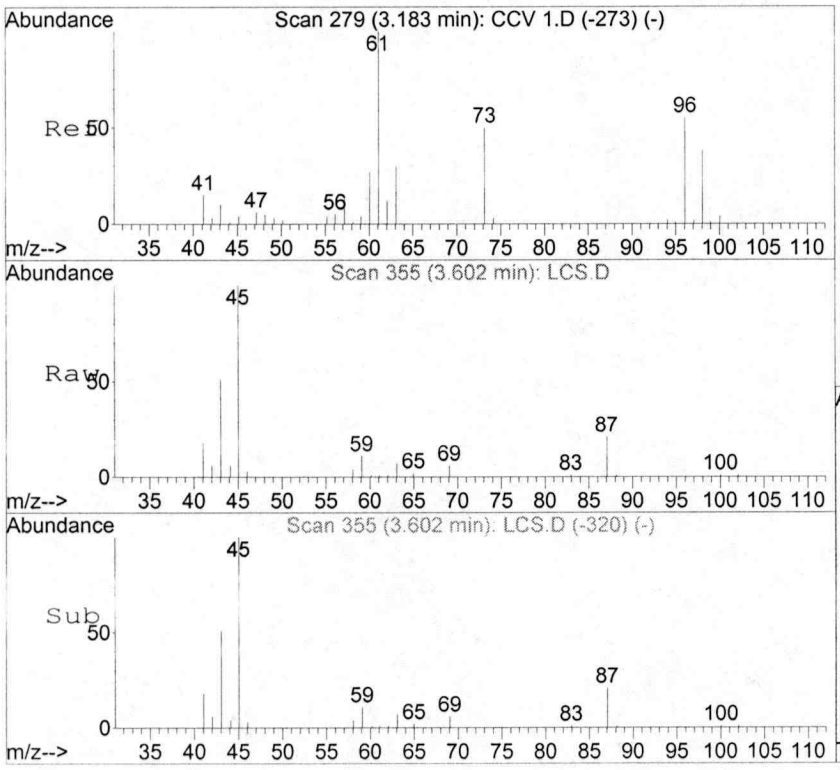


#14
trans-1,2-Dichloroethene
Concen: 106.72 ng
RT: 3.30 min Scan# 305
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 96 Resp: 66609

Ion	Ratio	Lower	Upper
96	100		
61	141.7	122.9	182.9
98	62.4	40.0	100.0

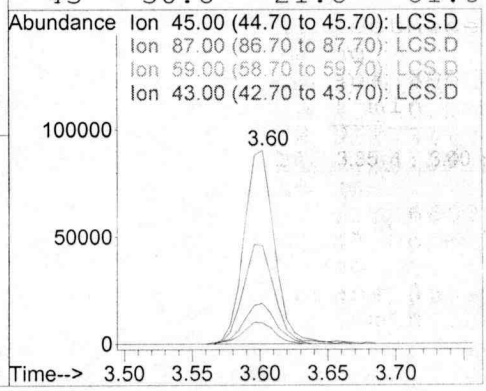


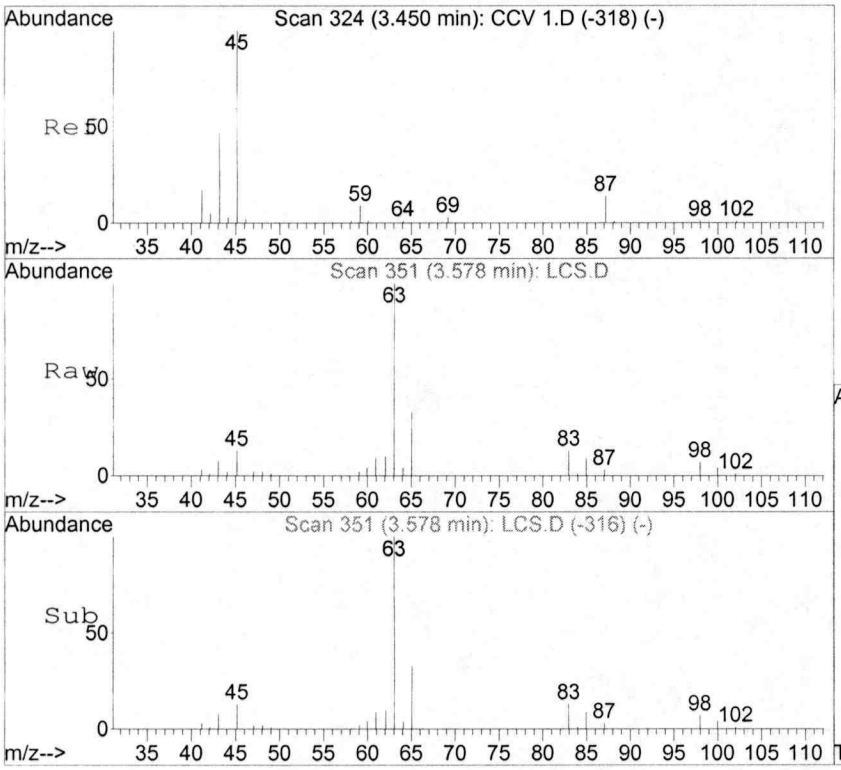


#15
Diisopropyl ether*
Concen: 96.90 ng
RT: 3.60 min Scan# 355
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 45 Resp: 142064

Ion	Ratio	Lower	Upper
45	100		
87	20.9	0.0	52.0
59	10.8	0.0	41.6
43	50.8	21.8	81.8

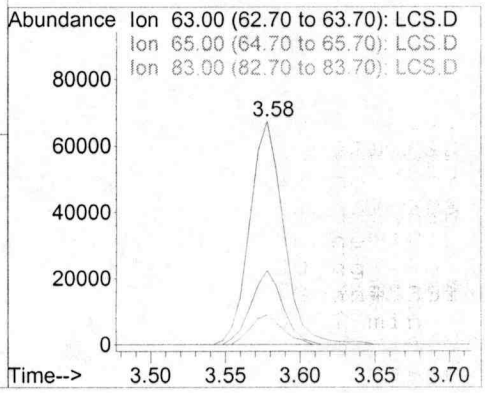


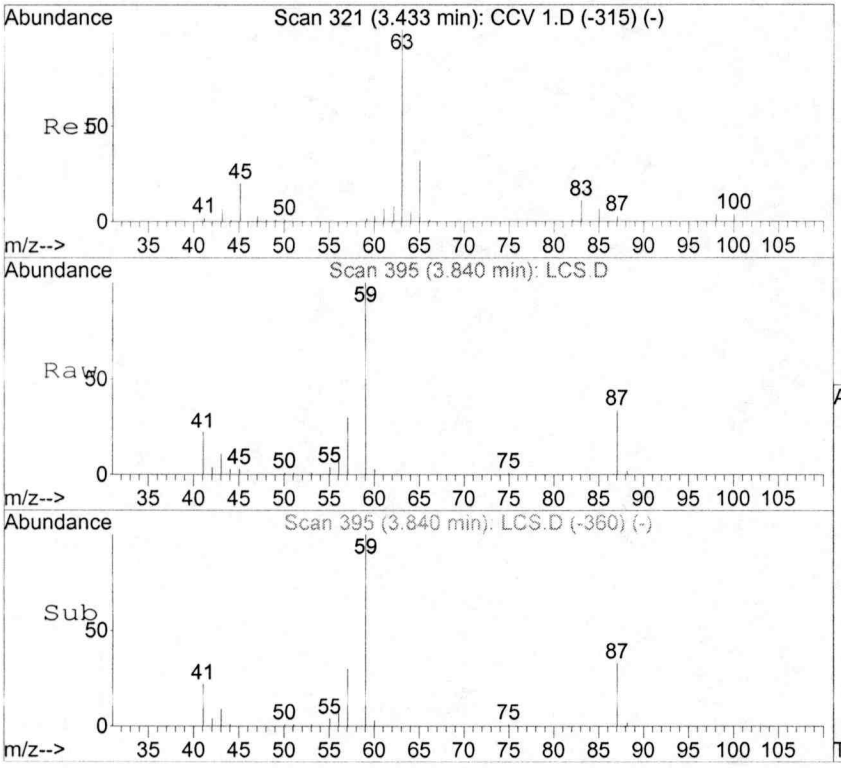


#16
1,1-Dichloroethane
Concen: 96.90 ng
RT: 3.58 min Scan# 351
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 63 Resp: 106172

Ion	Ratio	Lower	Upper
63	100		
65	33.4	0.2	60.2
83	13.3	0.0	43.2

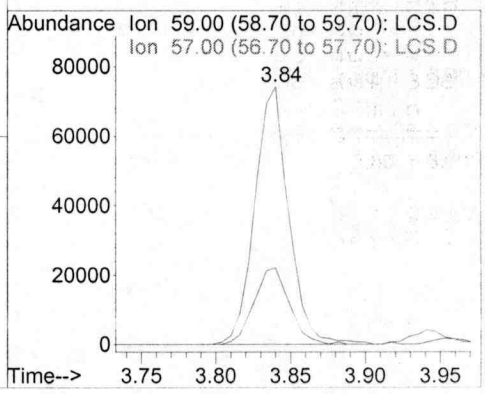


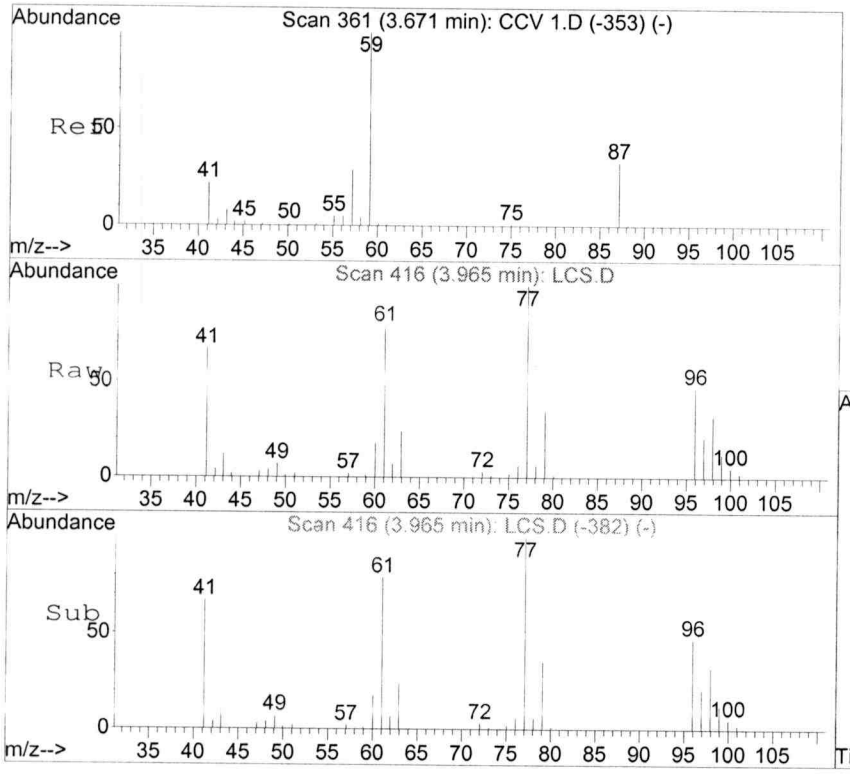


#17
Ethyl-t-butyl ether*
Concen: 95.51 ng
RT: 3.84 min Scan# 395
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 59 Resp: 116822

Ion	Ratio	Lower	Upper
59	100		
57	29.8	3.4	63.4

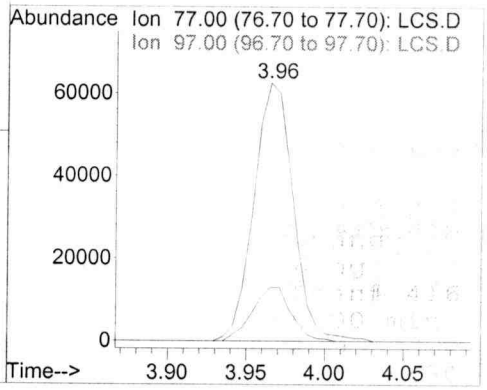


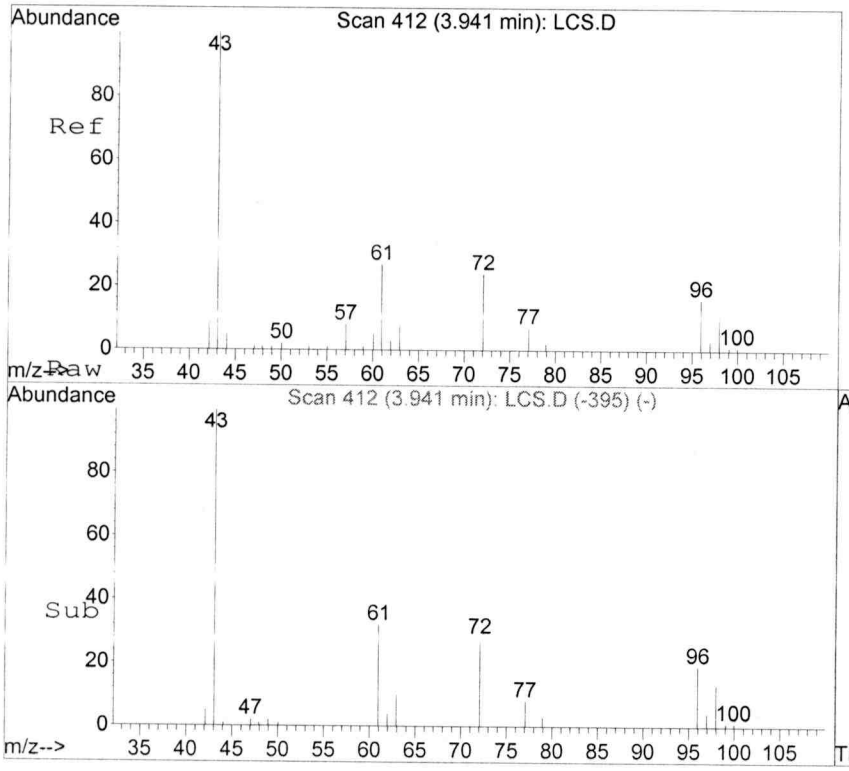


#18
2,2-Dichloropropane
Concen: 117.86 ng
RT: 3.96 min Scan# 416
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 77 Resp: 108813

Ion	Ratio	Lower	Upper
77	100		
97	20.7	0.0	53.0

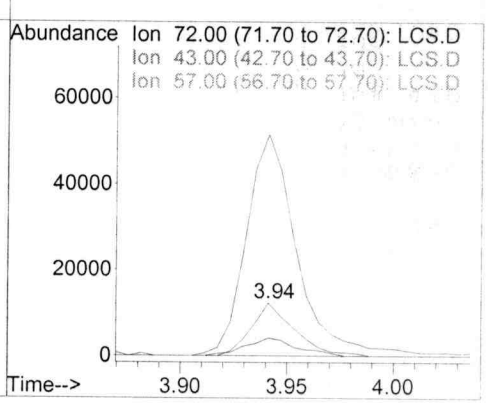


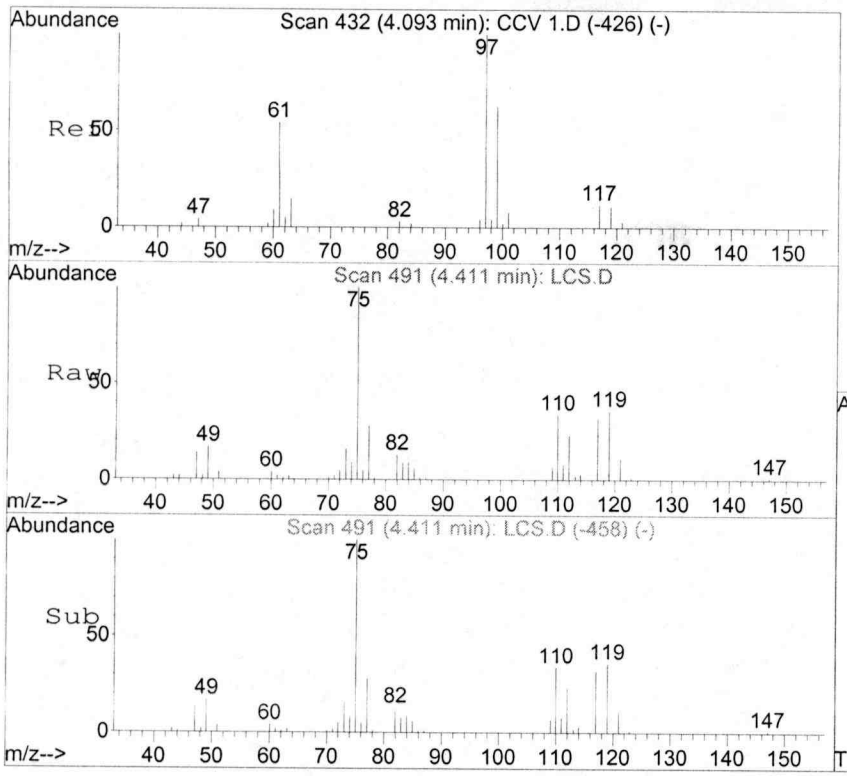


#19
2-Butanone
Concen: 899.82 ng
RT: 3.94 min Scan# 412
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 72 Resp: 17295

Ion	Ratio	Lower	Upper
72	100		
43	414.7	399.7	599.5
57	33.6	31.6	47.4

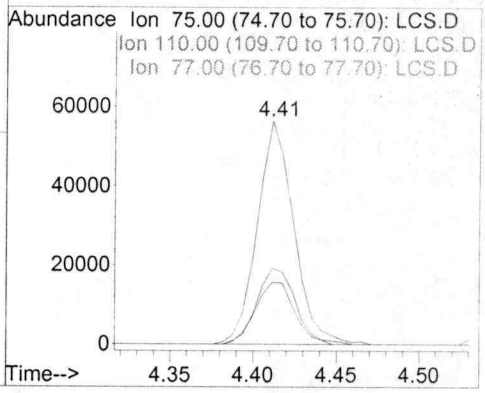


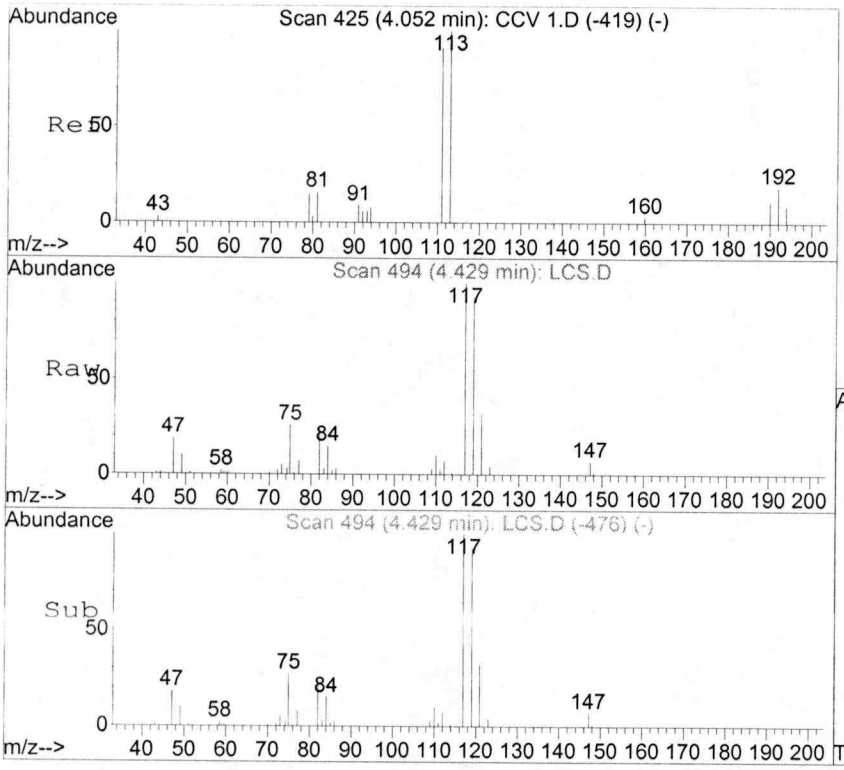


#25
1,1-Dichloropropene
Concen: 103.02 ng
RT: 4.41 min Scan# 491
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 75 Resp: 85971

Ion	Ratio	Lower	Upper
75	100		
110	34.2	5.0	65.0
77	27.8	0.8	60.8

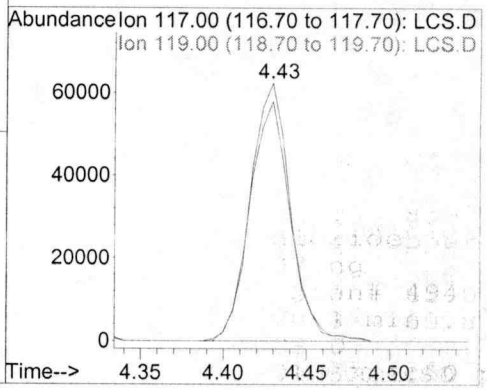


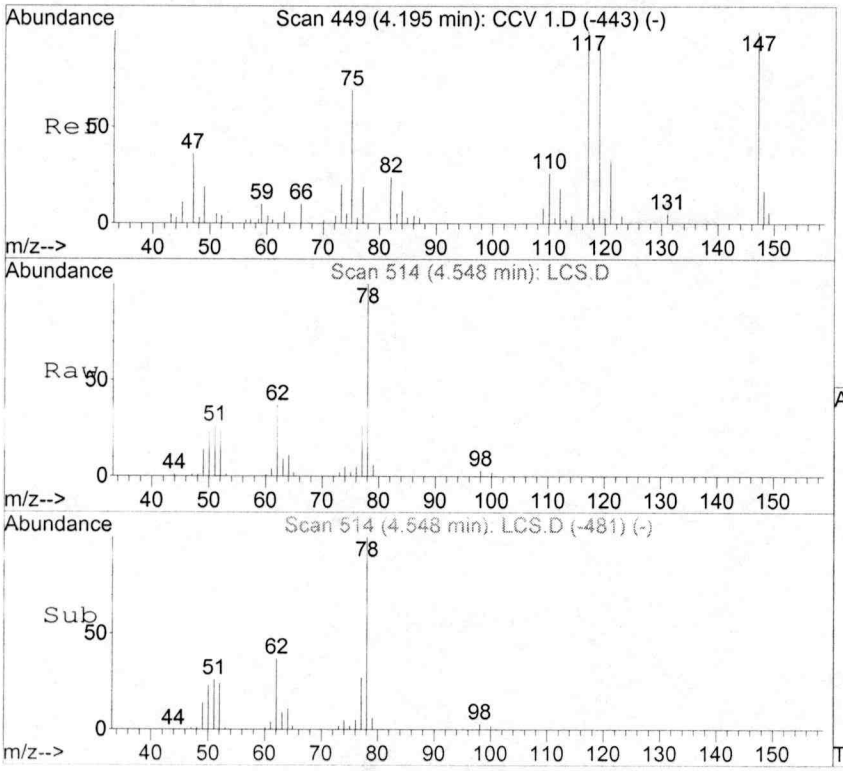


#26
Carbon Tetrachloride
Concen: 102.07 ng
RT: 4.43 min Scan# 494
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:117 Resp: 104595

Ion	Ratio	Lower	Upper
117	100		
119	93.0	60.8	120.8

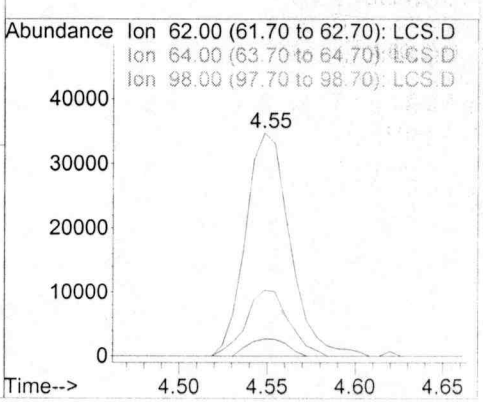


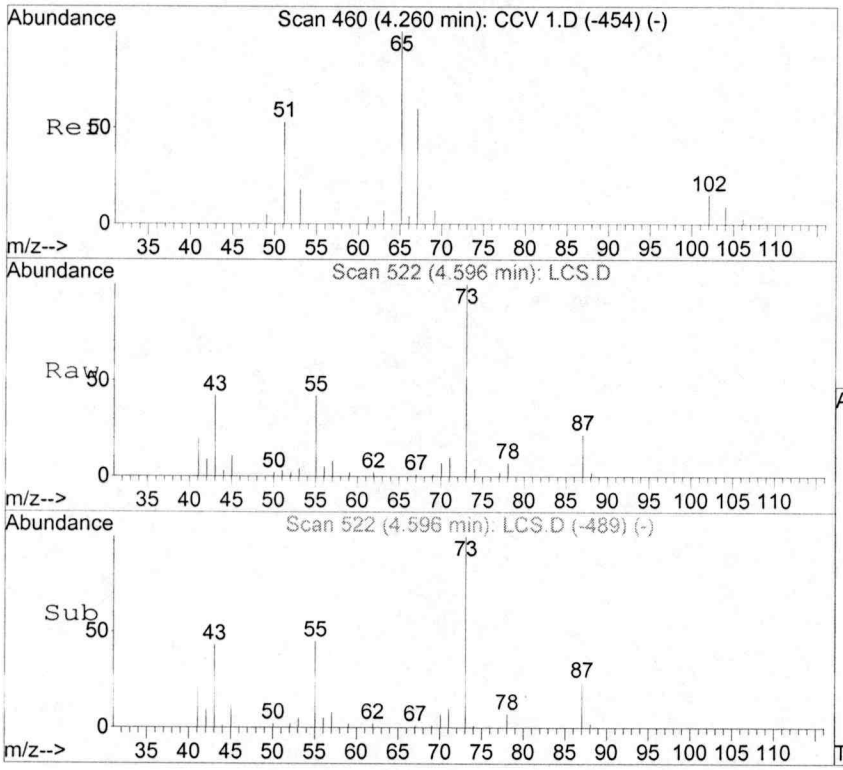


#28
1,2-Dichloroethane
Concen: 125.58 ng
RT: 4.55 min Scan# 514
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 62 Resp: 60887

Ion	Ratio	Lower	Upper
62	100		
64	29.6	0.1	60.1
98	7.7	0.0	41.6

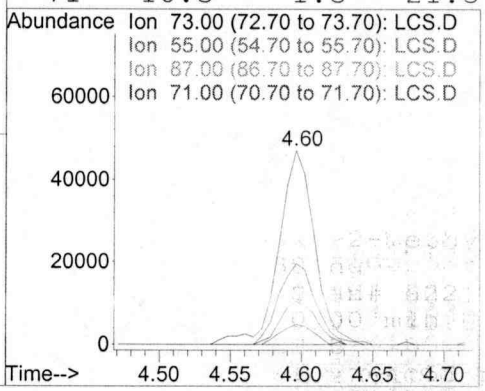


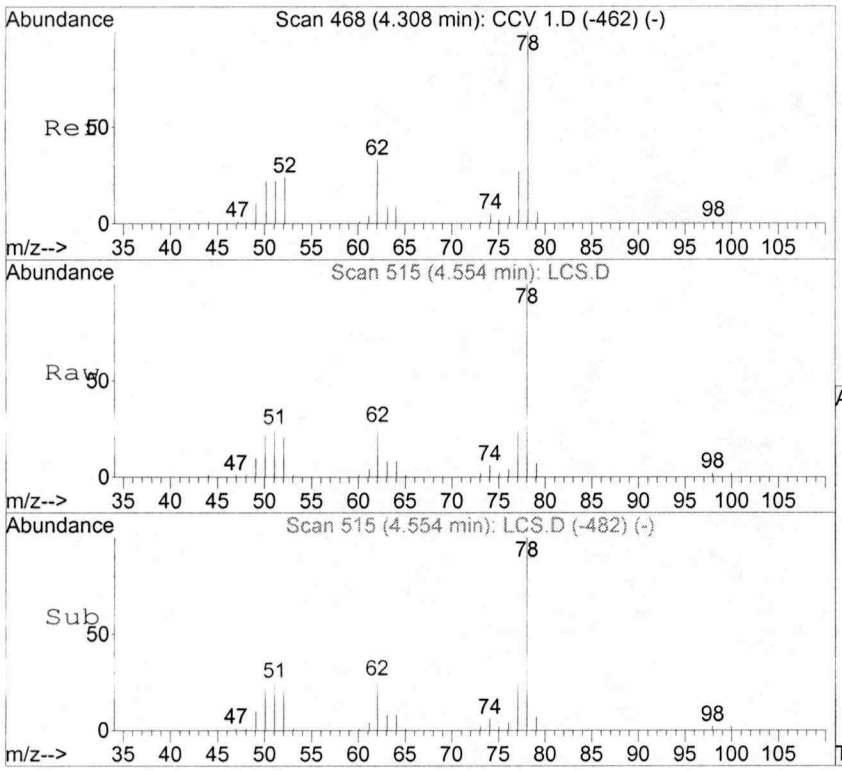


#29
TAME* (2-methoxy-2-methylbutane
Concen: 104.58 ng
RT: 4.60 min Scan# 522
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 73 Resp: 82206

Ion	Ratio	Lower	Upper
73	100		
55	41.5	14.6	74.6
87	22.1	0.0	54.3
71	10.3	1.5	21.5

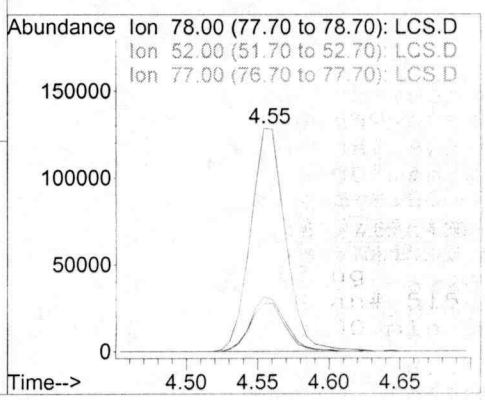


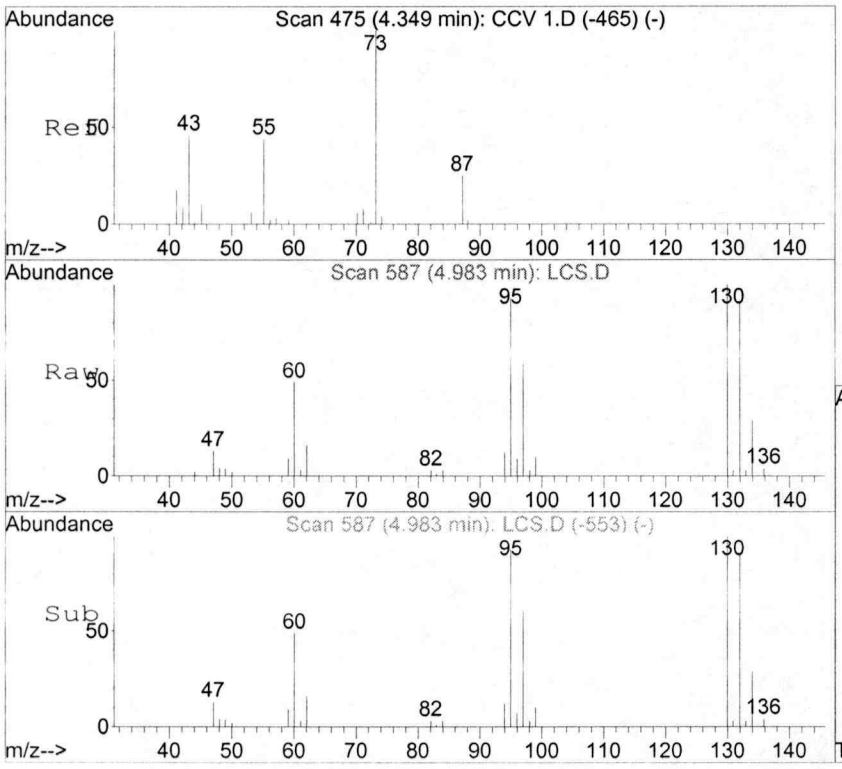


#30
Benzene*
Concen: 94.12 ng
RT: 4.55 min Scan# 515
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 78 Resp: 218347

Ion	Ratio	Lower	Upper
78	100		
52	21.3	3.8	43.8
77	24.4	4.0	44.0

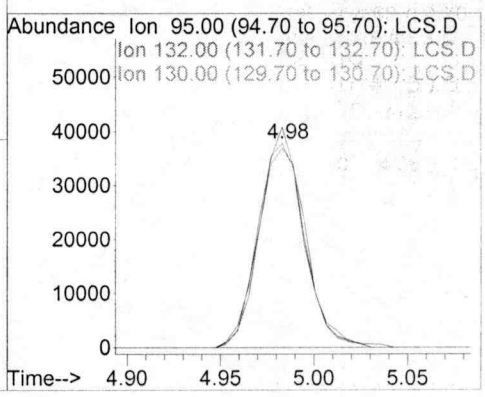


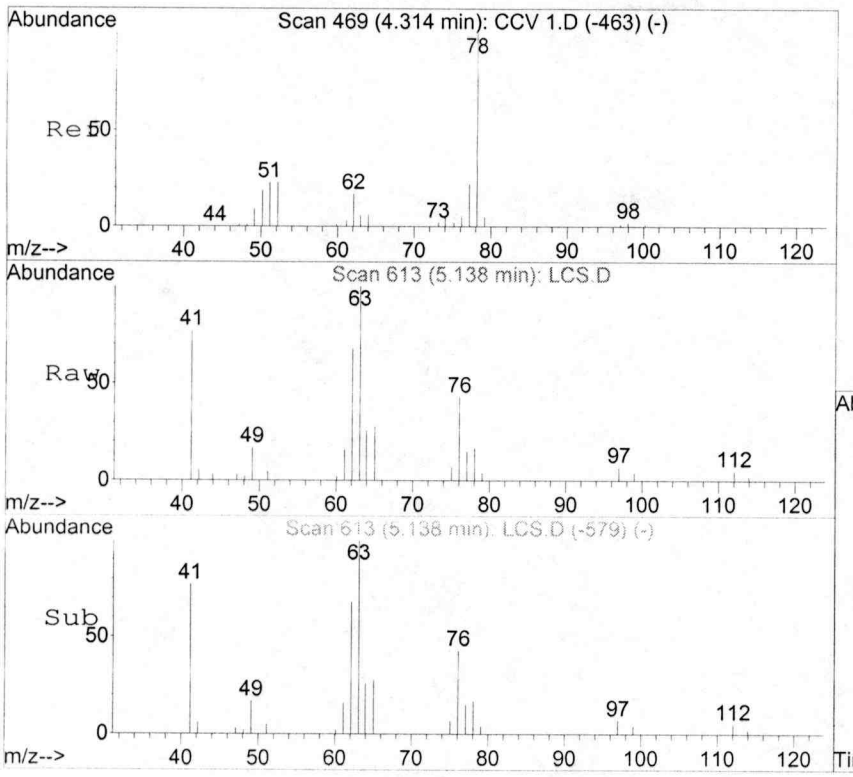


#31
Trichloroethene
Concen: 98.30 ng
RT: 4.98 min Scan# 587
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 95 Resp: 65605

Ion	Ratio	Lower	Upper
95	100		
132	97.7	92.0	152.0
130	108.0	88.9	148.9

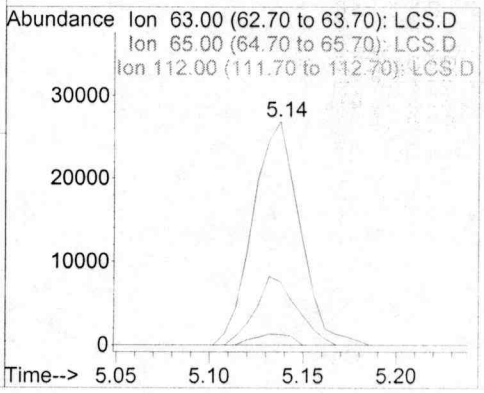


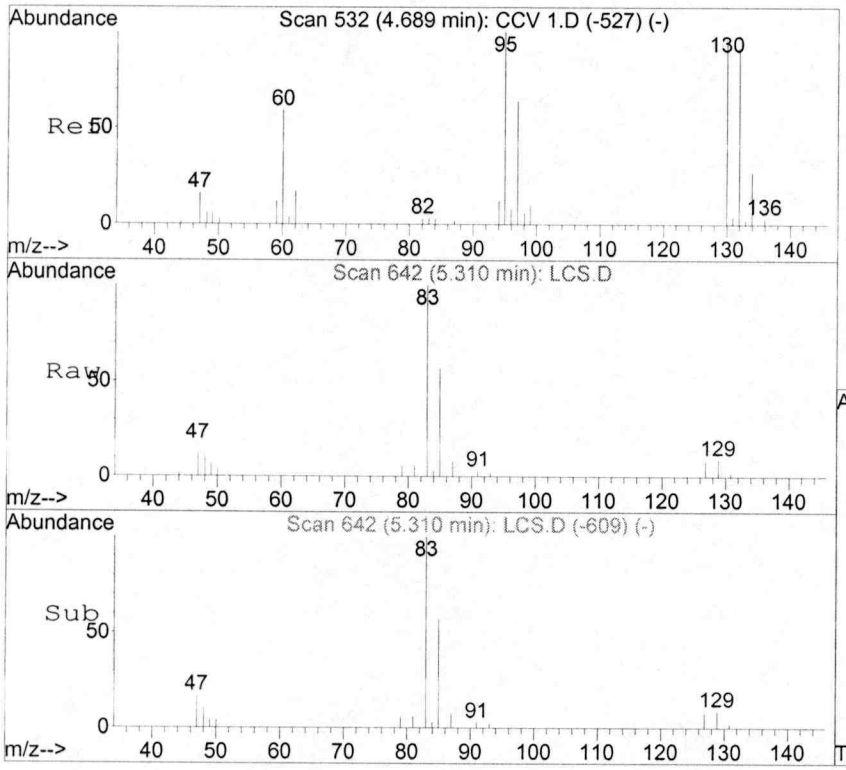


#32
1,2-Dichloropropane
Concen: 89.61 ng
RT: 5.14 min Scan# 613
Delta R.T. 0.01 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 63 Resp: 46866

Ion	Ratio	Lower	Upper
63	100		
65	28.0	0.0	59.5
112	4.7	0.0	34.6

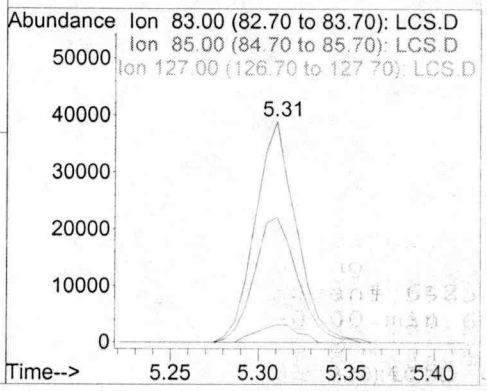


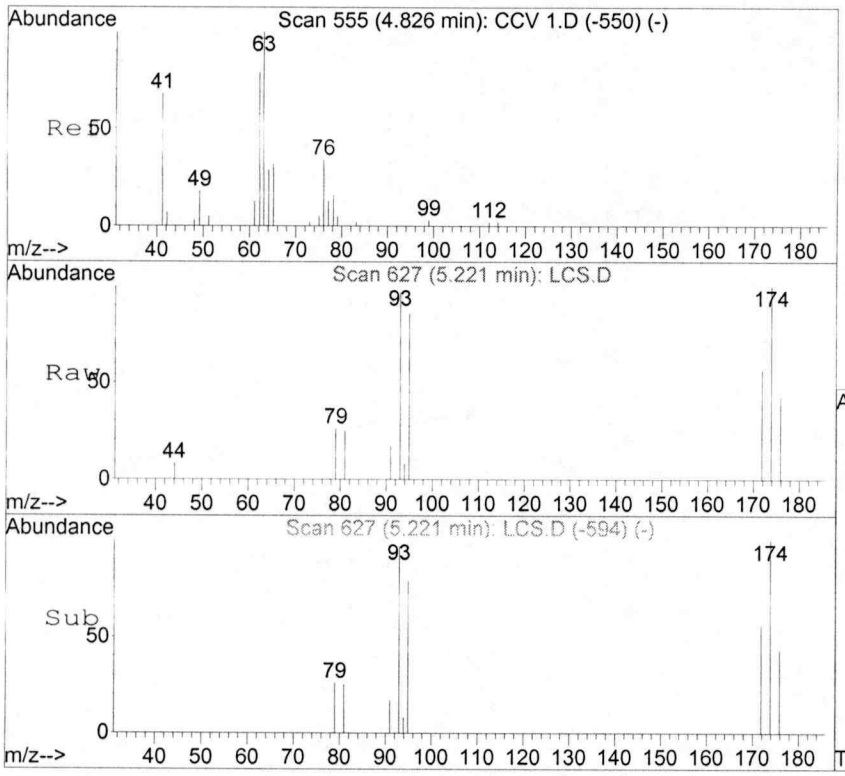


#33
Bromodichloromethane
Concen: 110.90 ng
RT: 5.31 min Scan# 642
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 83 Resp: 63391

Ion	Ratio	Lower	Upper
83	100		
85	56.8	33.6	93.6
127	8.0	0.0	41.0

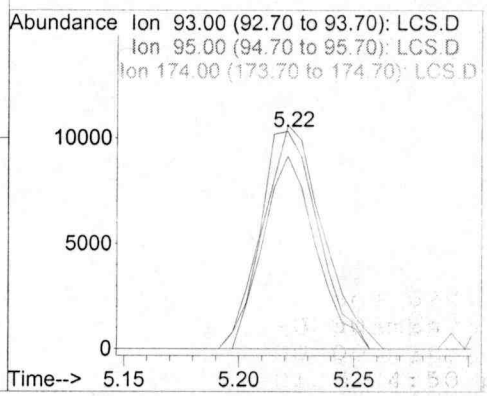


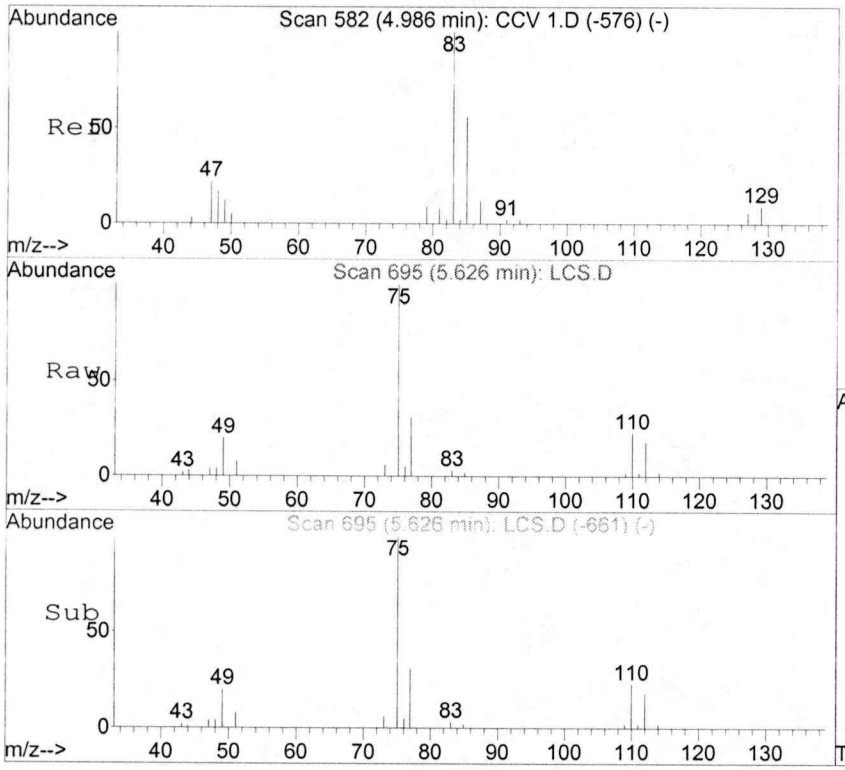


#34
Dibromomethane
Concen: 101.44 ng
RT: 5.22 min Scan# 627
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 93 Resp: 18415

Ion	Ratio	Lower	Upper
93	100		
95	88.8	55.8	115.8
174	102.8	79.1	139.1

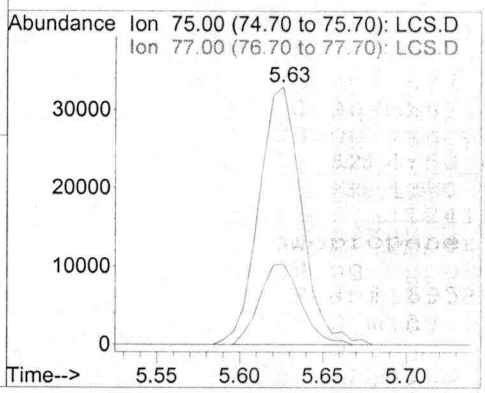


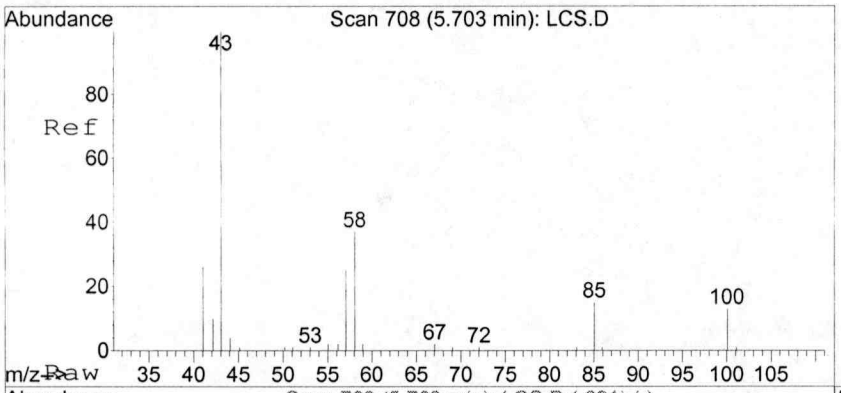


#35
cis-1,3-Dichloropropene
Concen: 99.09 ng
RT: 5.63 min Scan# 695
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 75 Resp: 58757

Ion	Ratio	Lower	Upper
75	100		
77	31.2	0.0	57.2

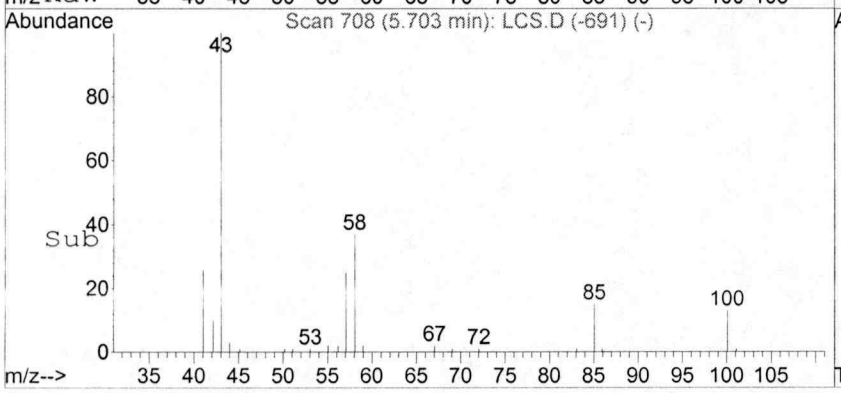


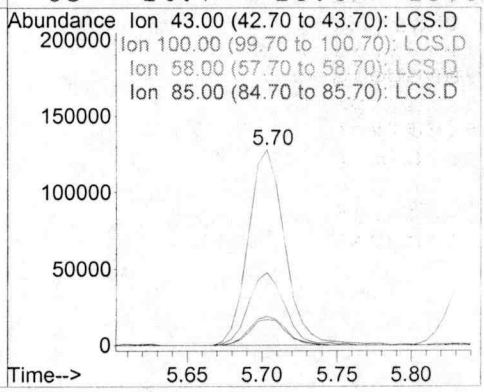


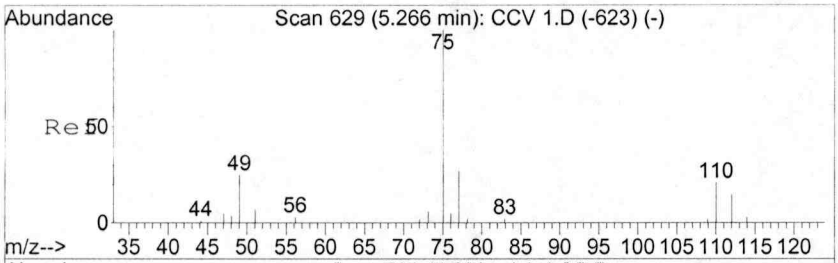
#36
Methyl Isobutyl Ketone
Concen: 1032.60 ng
RT: 5.70 min Scan# 708
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 43 Resp: 216782

Ion	Ratio	Lower	Upper
43	100		
100	13.1	9.9	14.9
58	37.3	29.9	44.9
85	14.7	10.6	15.8



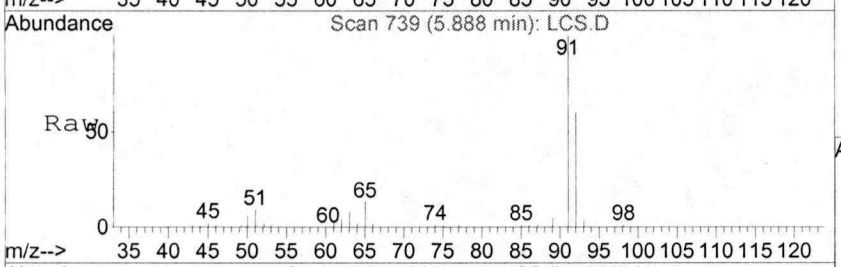


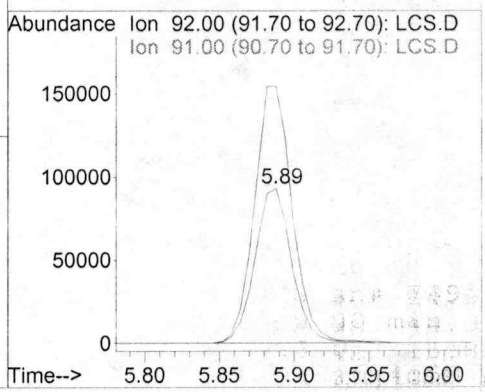


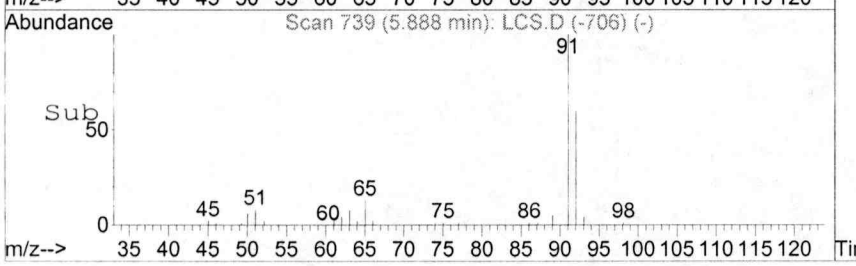
#38
Toluene*
Concen: 93.57 ng
RT: 5.89 min Scan# 739
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

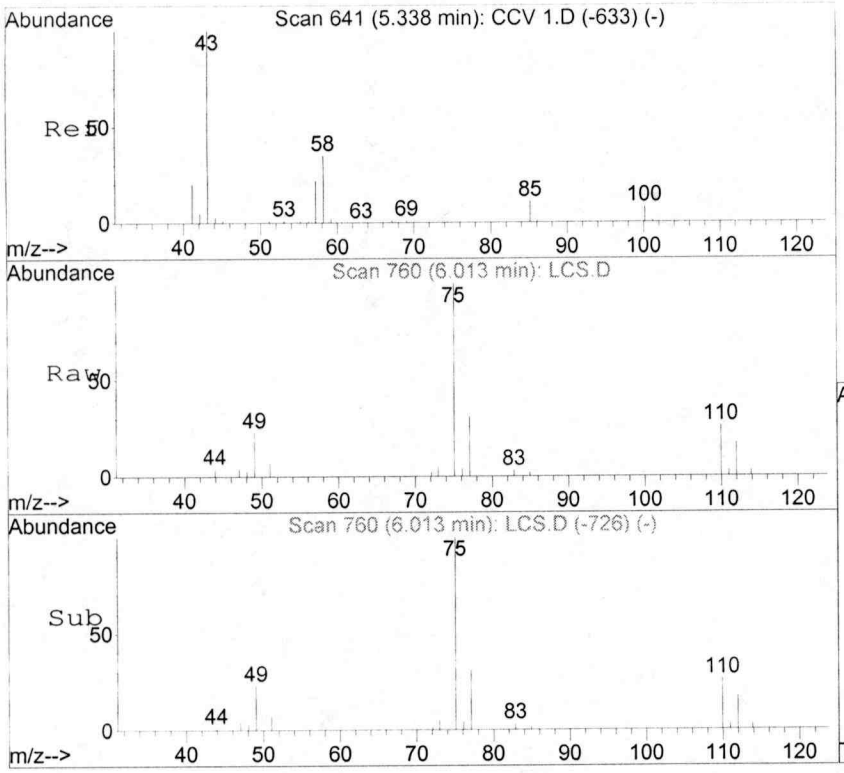
Tgt Ion: 92 Resp: 159806

Ion	Ratio	Lower	Upper
92	100		
91	165.5	130.7	190.7





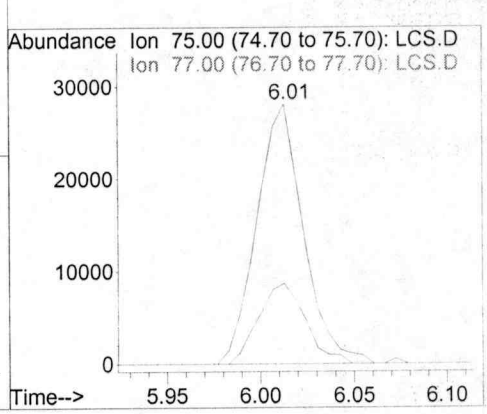


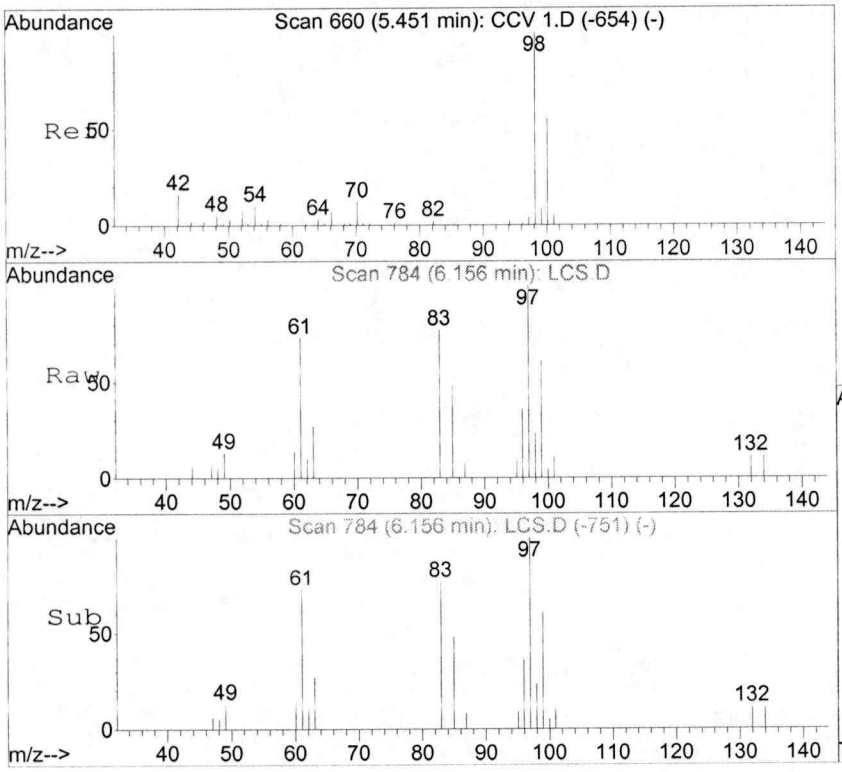


#39
trans-1,3-Dichloropropene
Concen: 104.83 ng
RT: 6.01 min Scan# 760
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 75 Resp: 48565

Ion	Ratio	Lower	Upper
75	100		
77	30.9	0.7	60.7

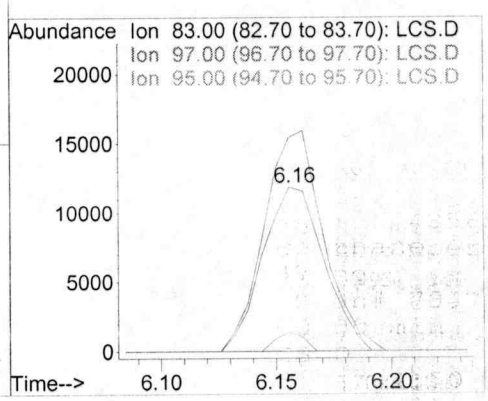


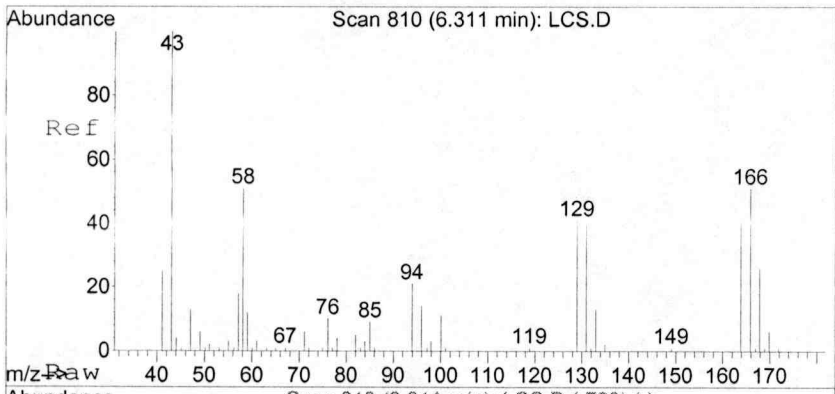


#40
1,1,2-Trichloroethane
Concen: 95.47 ng
RT: 6.16 min Scan# 784
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 83 Resp: 21974

Ion	Ratio	Lower	Upper
83	100		
97	130.2	86.6	146.6
95	11.7	0.0	37.8

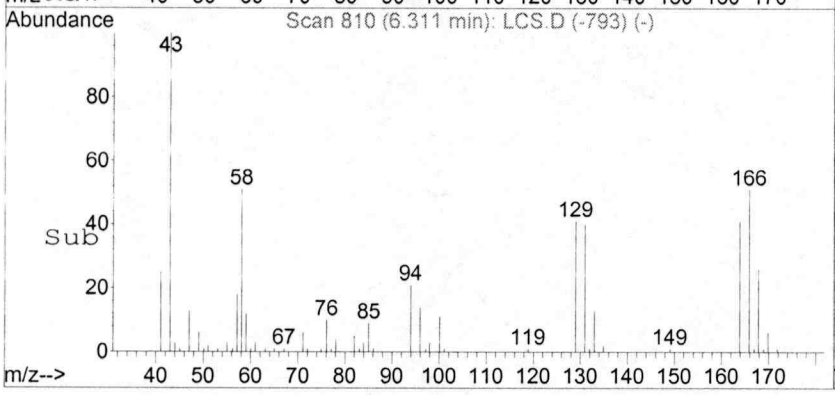


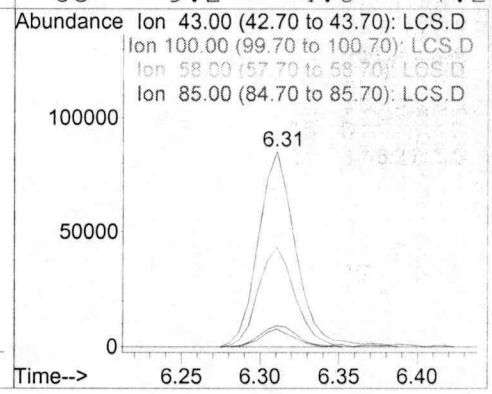


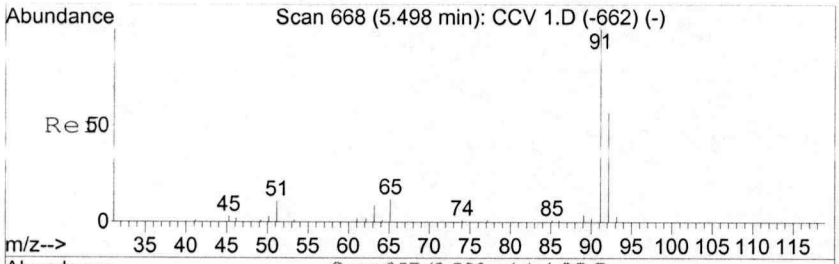
#41
2-Hexanone
Concen: 1027.78 ng
RT: 6.31 min Scan# 810
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 43 Resp: 140429

Ion	Ratio	Lower	Upper
43	100		
100	10.7	8.5	12.7
58	50.6	41.6	62.4
85	9.2	4.8	7.2#



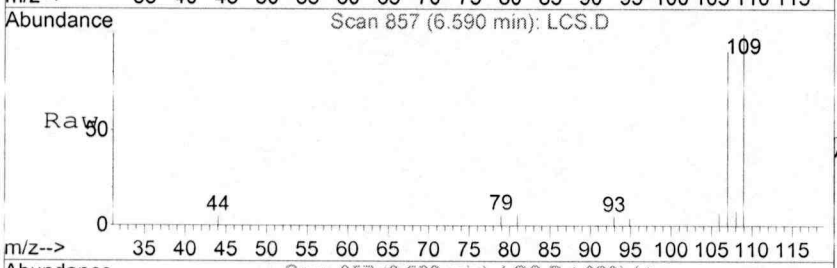


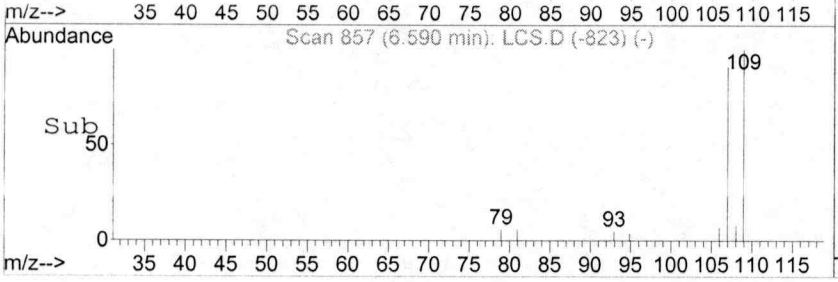


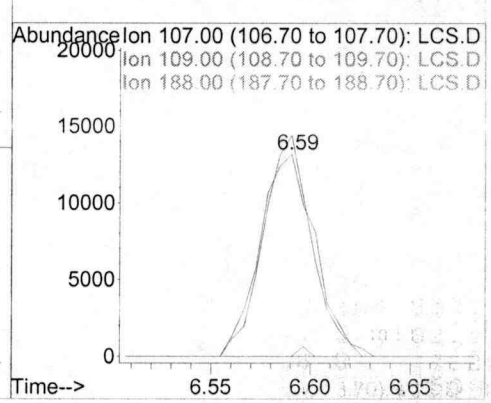
#42
1,2-Dibromoethane
Concen: 101.12 ng
RT: 6.59 min Scan# 857
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

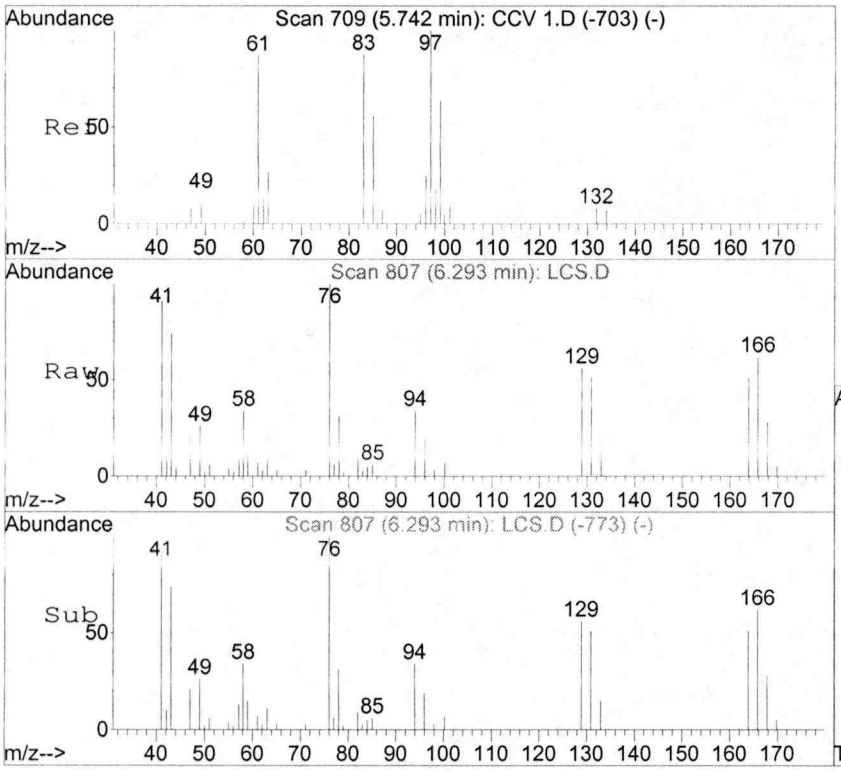
Tgt Ion:107 Resp: 25450

Ion	Ratio	Lower	Upper
107	100		
109	109.3	54.4	114.4
188	0.0	0.0	30.0





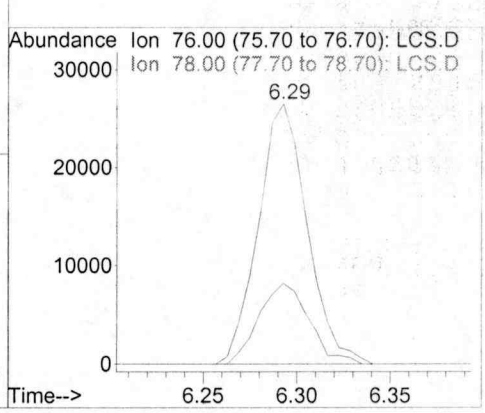


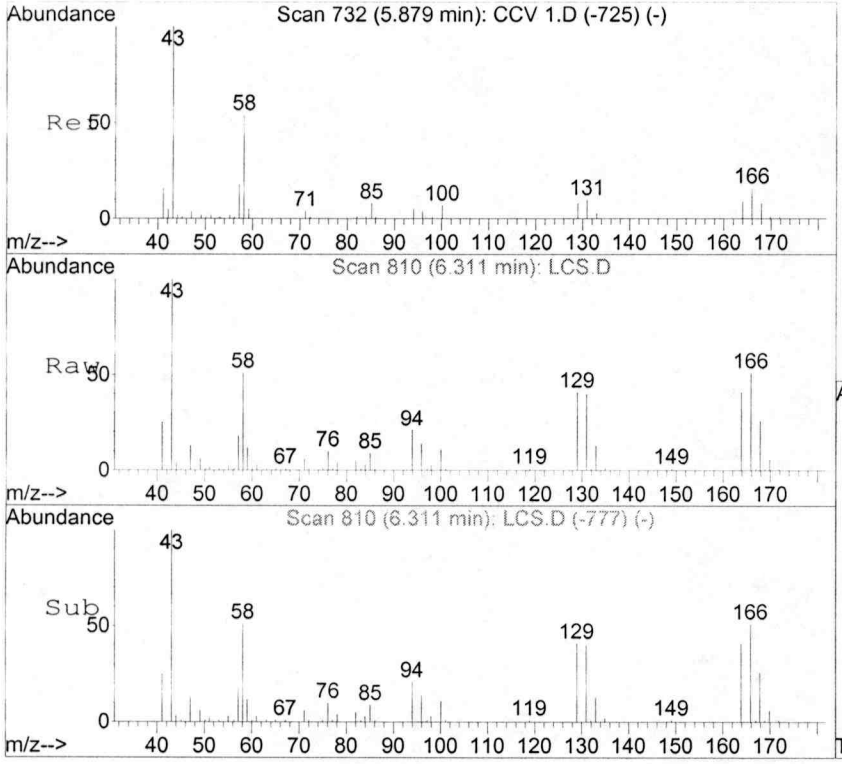


#44
1,3-Dichloropropane
Concen: 97.44 ng
RT: 6.29 min Scan# 807
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 76 Resp: 47848

Ion	Ratio	Lower	Upper
76	100		
78	30.9	0.0	59.3

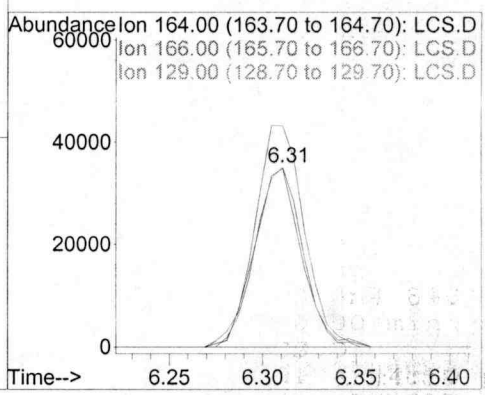


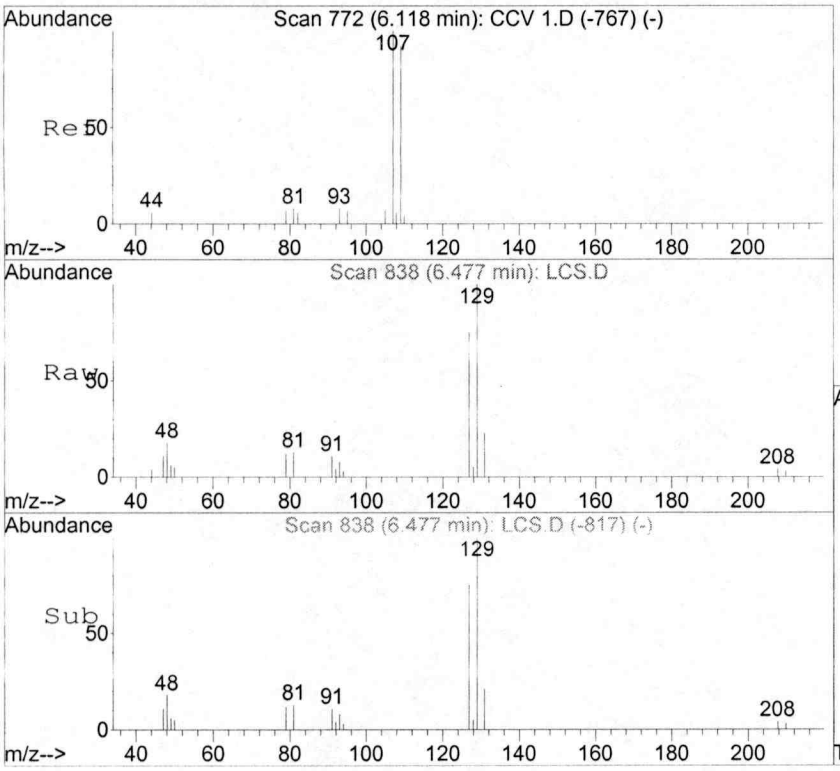


#45
Tetrachloroethene
Concen: 89.77 ng
RT: 6.31 min Scan# 810
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:164 Resp: 62535

Ion	Ratio	Lower	Upper
164	100		
166	122.7	100.1	160.1
129	99.4	59.7	119.7

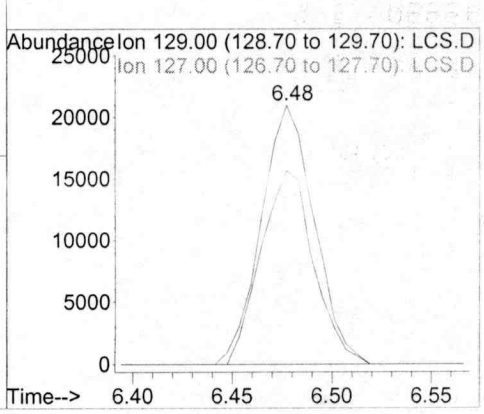


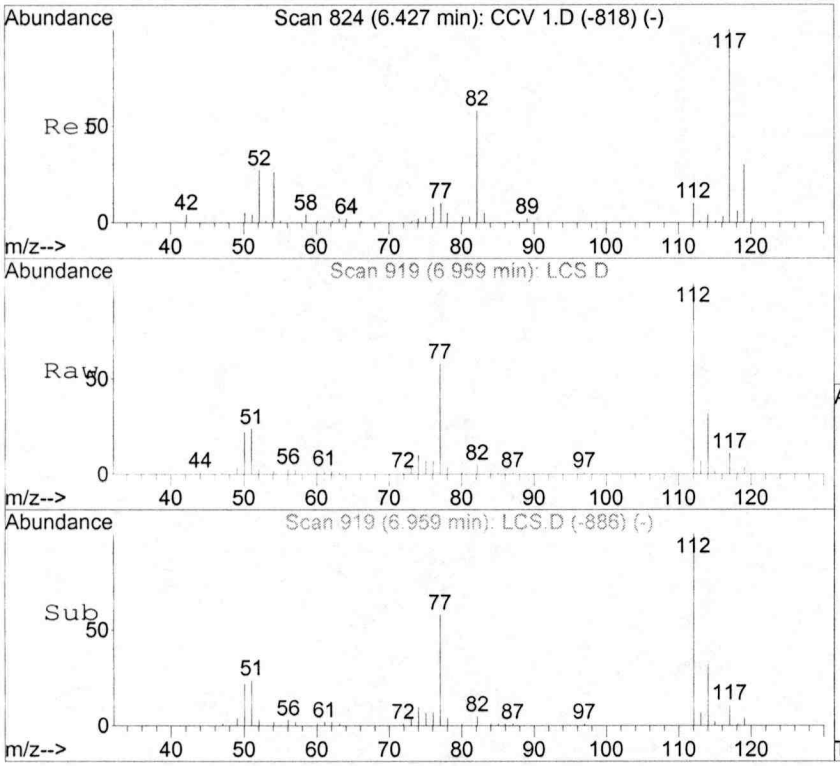


#46
Dibromochloromethane
Concen: 103.22 ng
RT: 6.48 min Scan# 838
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:129 Resp: 38614

Ion	Ratio	Lower	Upper
129	100		
127	74.7	45.2	105.2

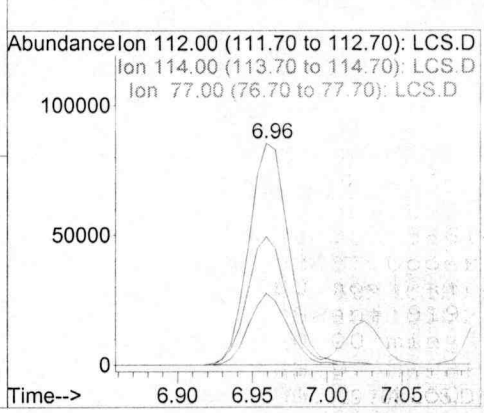


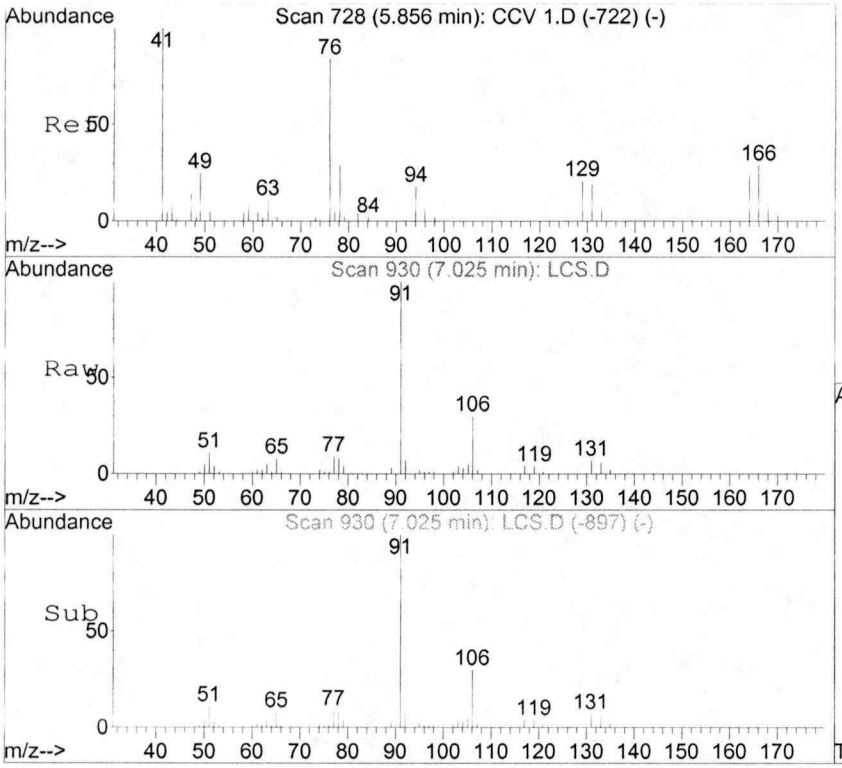


#47
Chlorobenzene
Concen: 93.80 ng
RT: 6.96 min Scan# 919
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:112 Resp: 160577

Ion	Ratio	Lower	Upper
112	100		
114	32.3	2.1	62.1
77	57.7	19.9	79.9

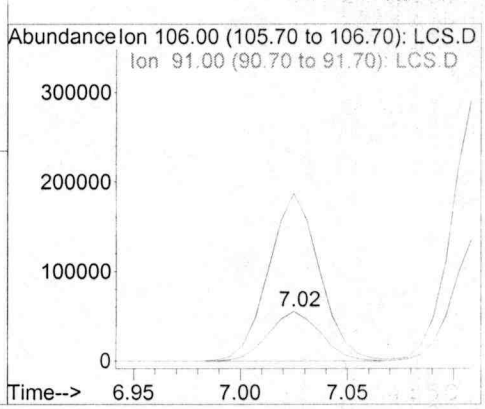


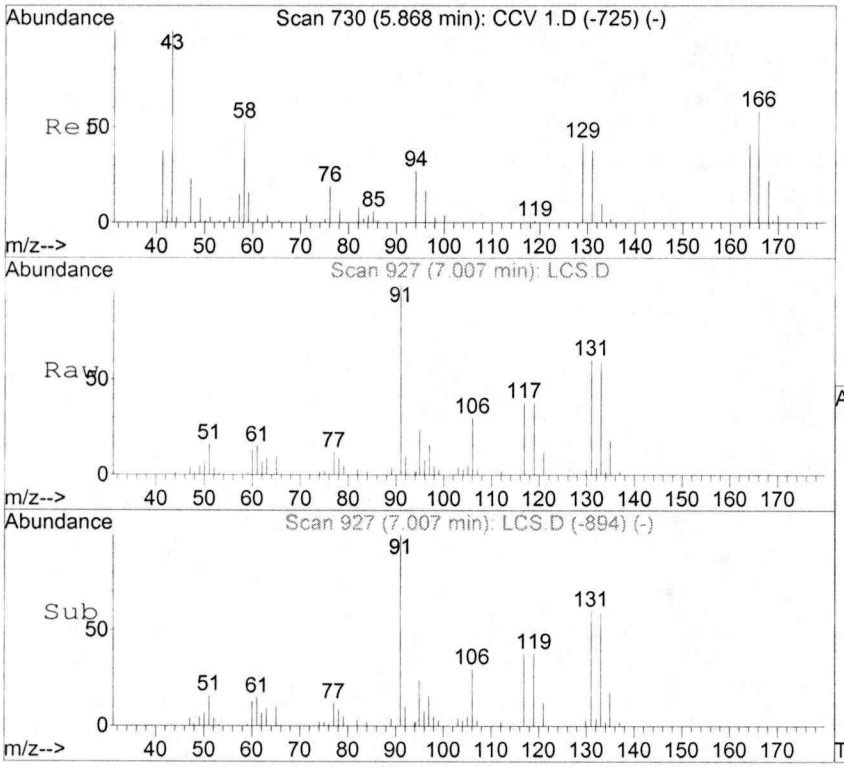


#48
Ethylbenzene*
Concen: 103.31 ng
RT: 7.02 min Scan# 930
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:106 Resp: 93215

Ion	Ratio	Lower	Upper
106	100		
91	336.7	288.8	348.8

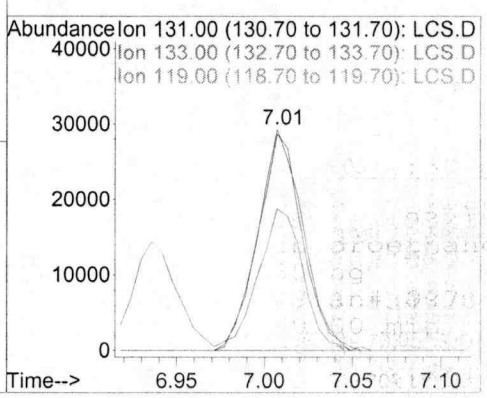


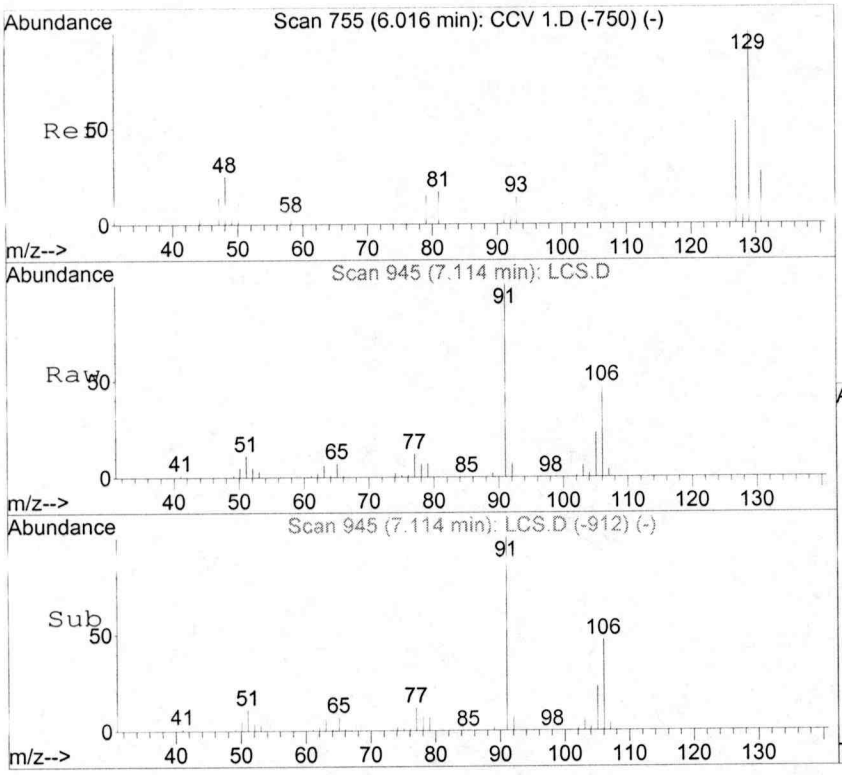


#49
1,1,1,2-Tetrachloroethane
Concen: 94.35 ng
RT: 7.01 min Scan# 927
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:131 Resp: 52318

Ion	Ratio	Lower	Upper
131	100		
133	97.9	59.8	119.8
119	63.9	31.3	91.3

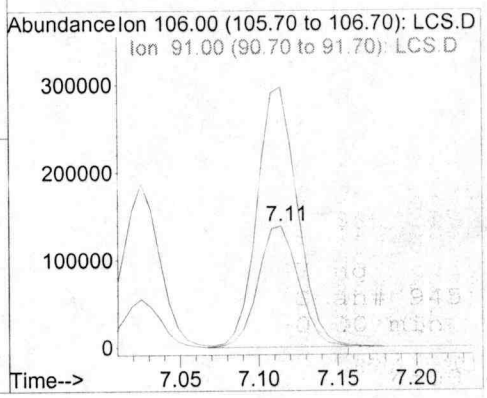


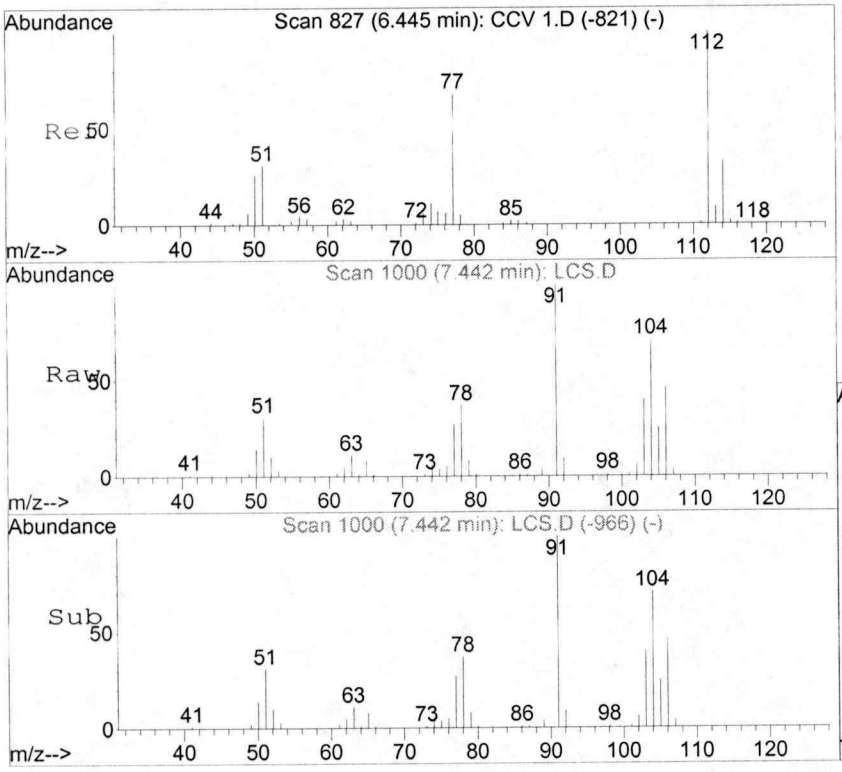


#50
m,p-Xylene*
Concen: 206.87 ng
RT: 7.11 min Scan# 945
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:106 Resp: 248497

Ion	Ratio	Lower	Upper
106	100		
91	214.8	163.0	223.0

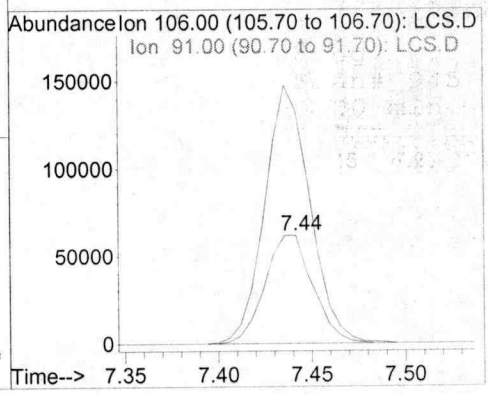


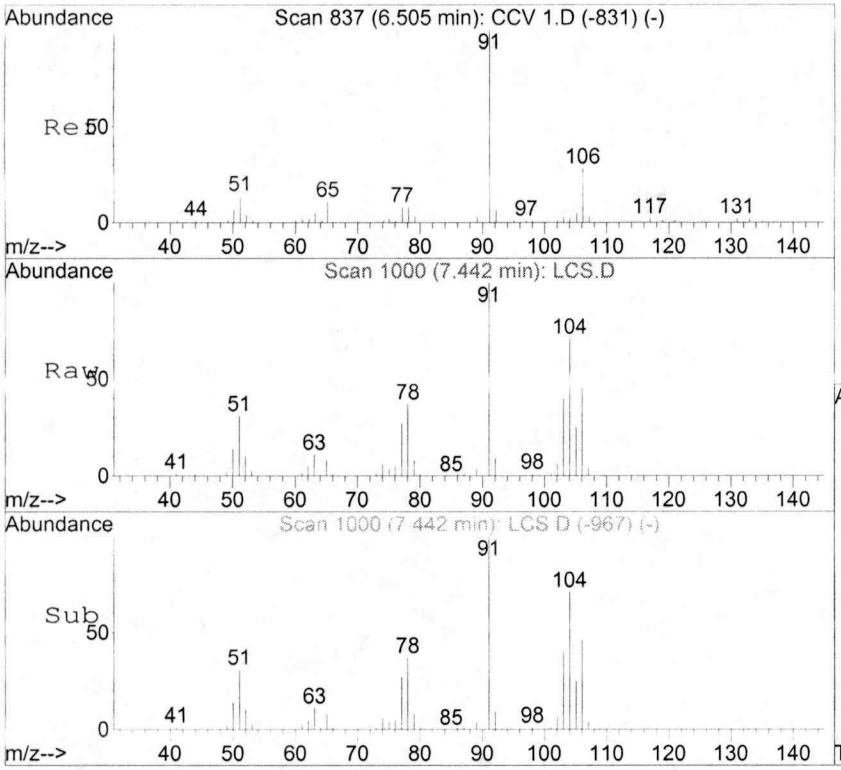


#51
o-Xylene*
Concen: 103.92 ng
RT: 7.44 min Scan# 1000
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:106 Resp: 109513

Ion	Ratio	Lower	Upper
106	100		
91	215.4	180.2	240.2

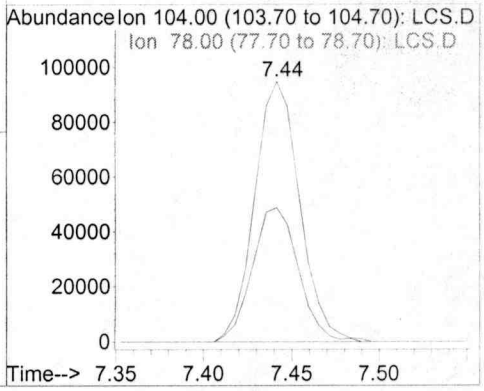


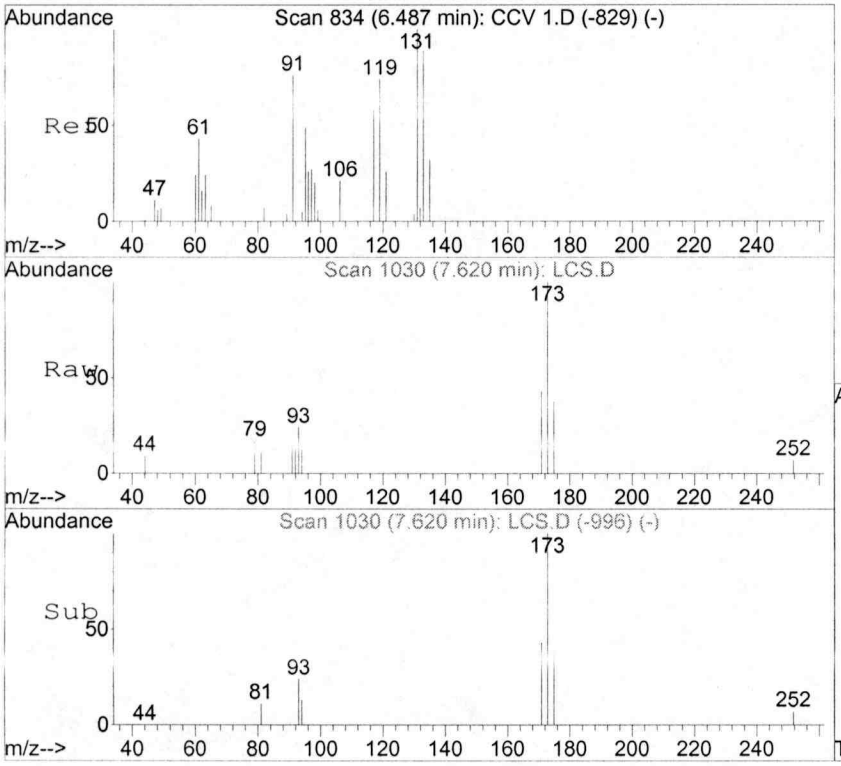


#52
Styrene
Concen: 110.35 ng
RT: 7.44 min Scan# 1000
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:104 Resp: 168004

Ion	Ratio	Lower	Upper
104	100		
78	51.3	14.5	74.5

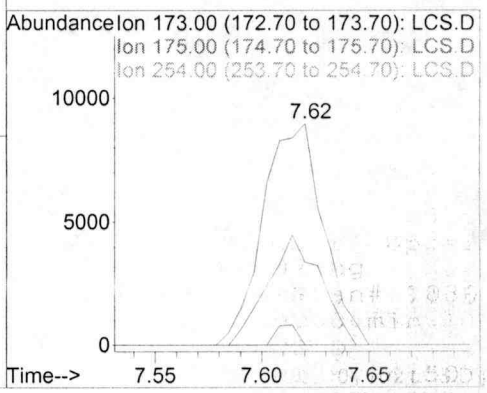


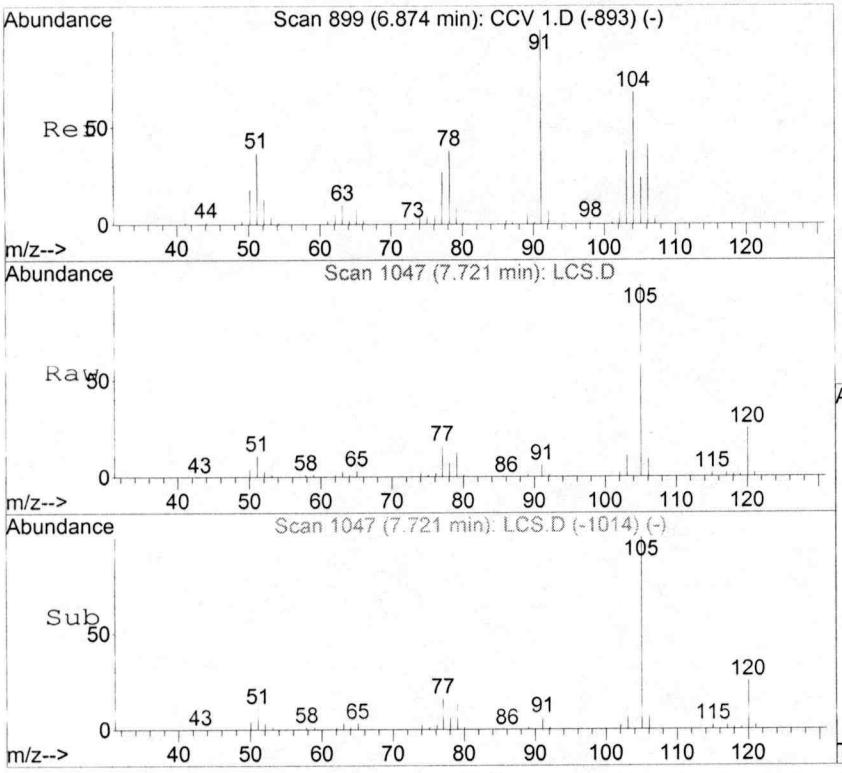


#53
Bromoform
Concen: 100.07 ng
RT: 7.62 min Scan# 1030
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:173 Resp: 17609

Ion	Ratio	Lower	Upper
173	100		
175	37.5	13.8	73.8
254	0.0	0.0	39.1

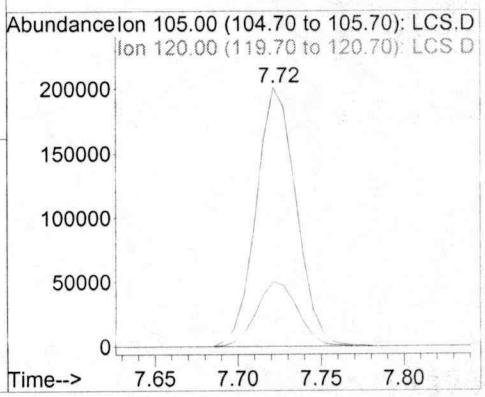


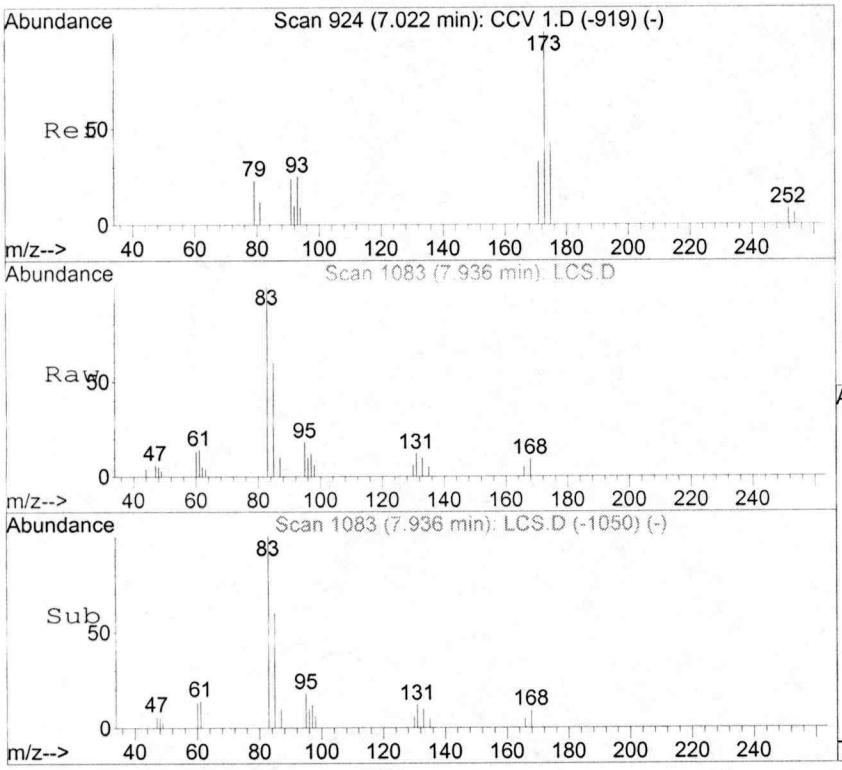


#56
Isopropylbenzene
Concen: 124.90 ng
RT: 7.72 min Scan# 1047
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:105 Resp: 336916

Ion	Ratio	Lower	Upper
105	100		
120	25.1	0.0	56.6

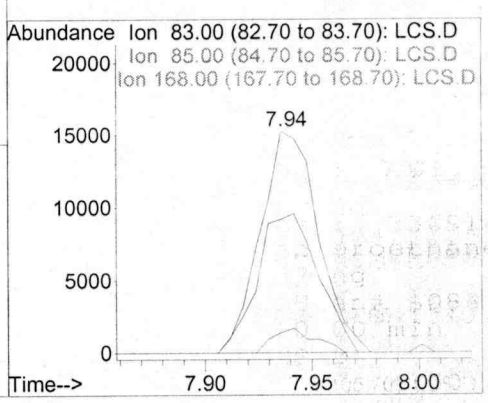


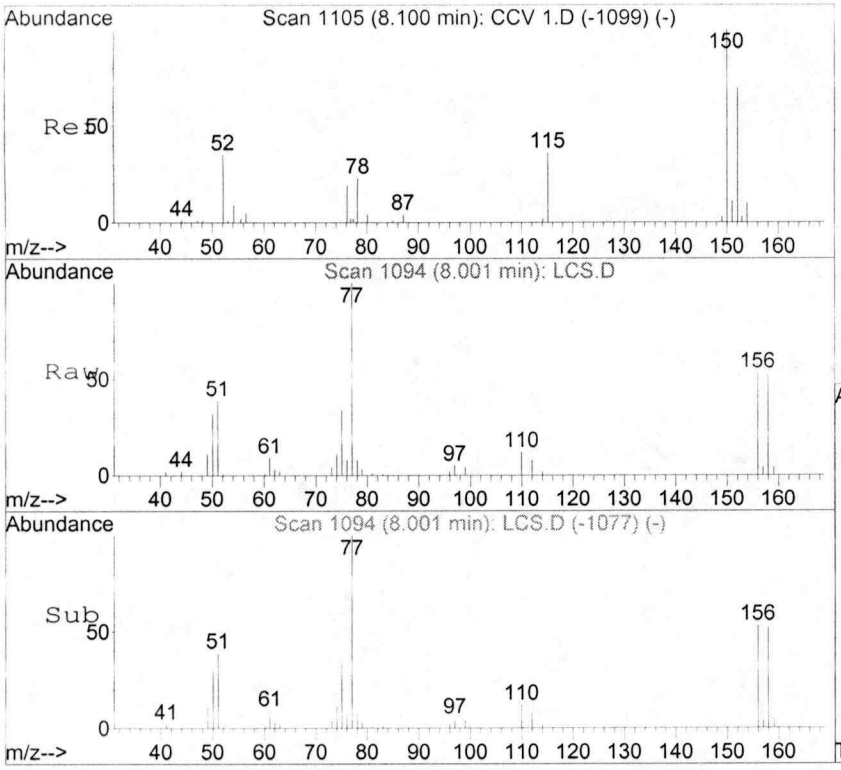


#57
1,1,2,2-Tetrachloroethane
Concen: 88.37 ng
RT: 7.94 min Scan# 1083
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 83 Resp: 28645

Ion	Ratio	Lower	Upper
83	100		
85	60.3	27.0	87.0
168	9.0	0.0	39.7

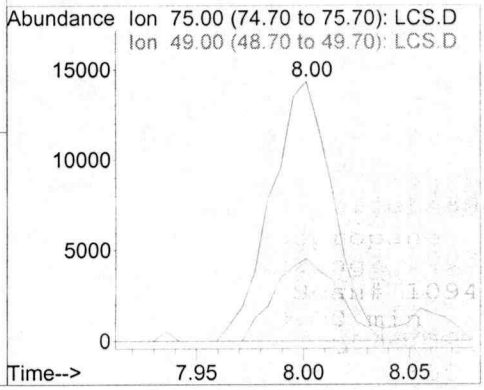


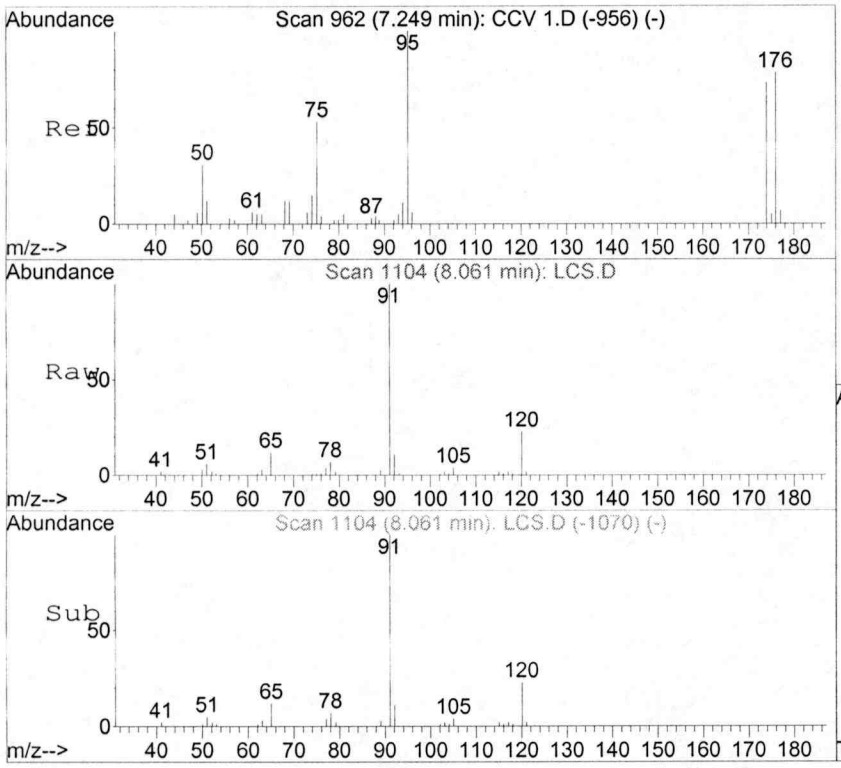


#58
1,2,3-Trichloropropane
Concen: 98.82 ng
RT: 8.00 min Scan# 1094
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 75 Resp: 28815

Ion	Ratio	Lower	Upper
75	100		
49	31.5	5.4	65.4

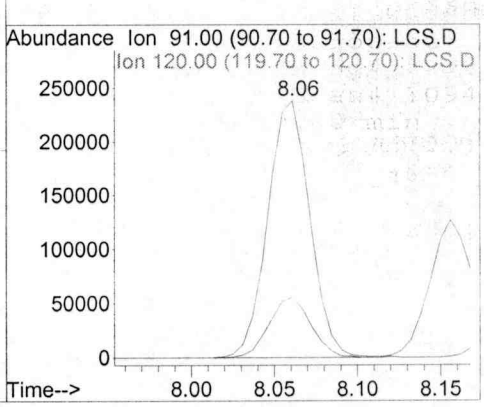


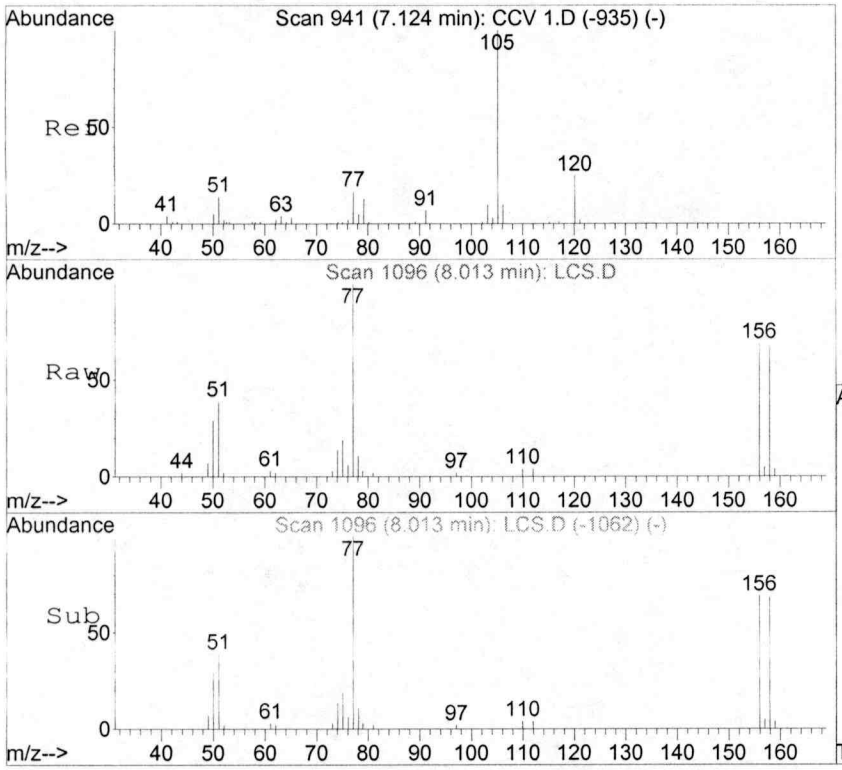


#59
n-Propylbenzene
Concen: 116.70 ng
RT: 8.06 min Scan# 1104
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 91 Resp: 417273

Ion	Ratio	Lower	Upper
91	100		
120	23.4	0.0	54.5

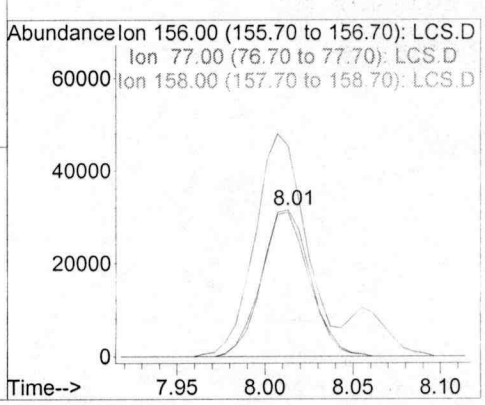


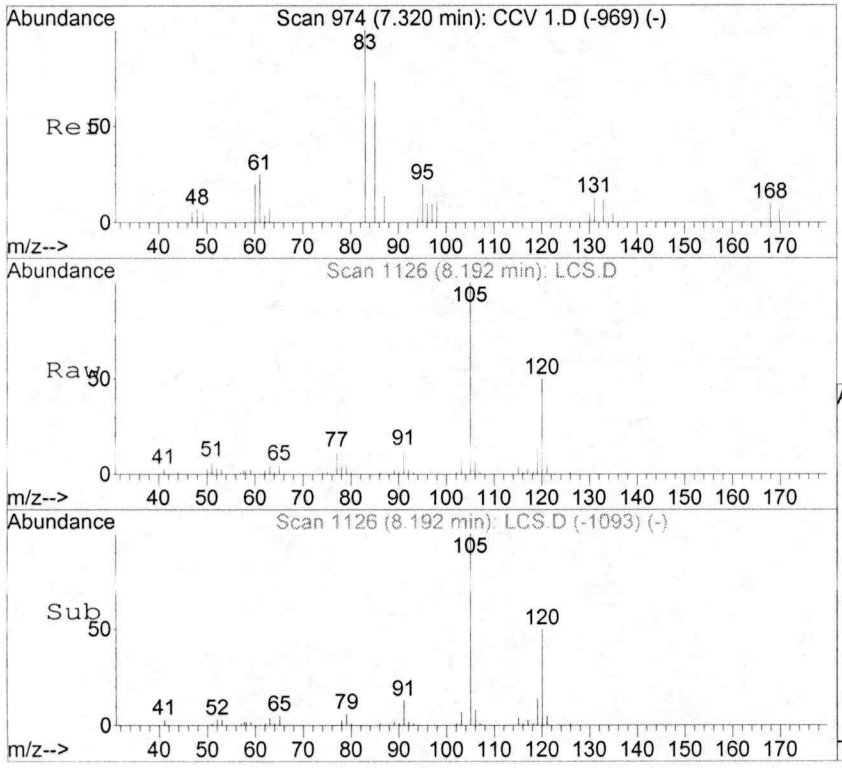


#60
Bromobenzene
Concen: 93.65 ng
RT: 8.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:156 Resp: 61006

Ion	Ratio	Lower	Upper
156	100		
77	142.5	107.4	167.4
158	98.4	66.0	126.0

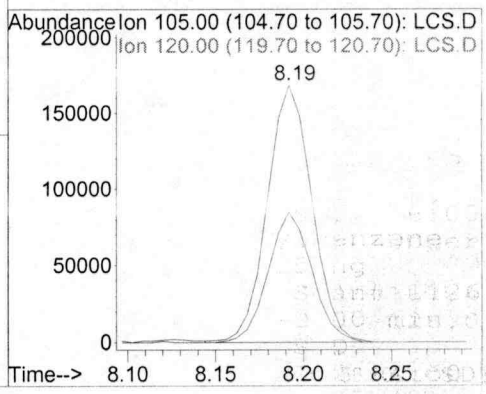


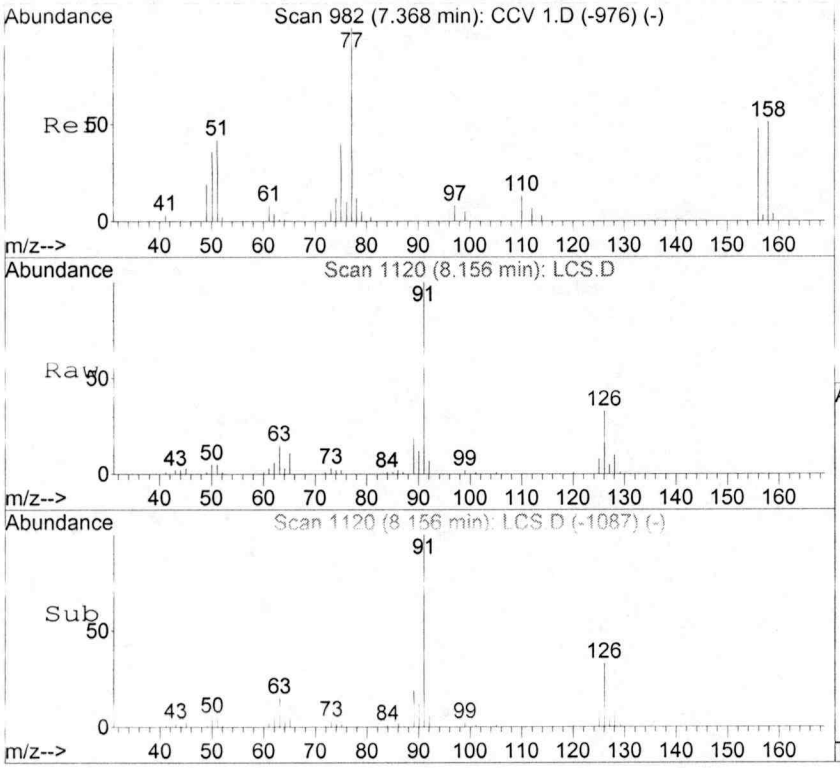


#61
1,3,5-Trimethylbenzene
Concen: 119.25 ng
RT: 8.19 min Scan# 1126
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:105 Resp: 295205

Ion	Ratio	Lower	Upper
105	100		
120	50.3	23.6	83.6

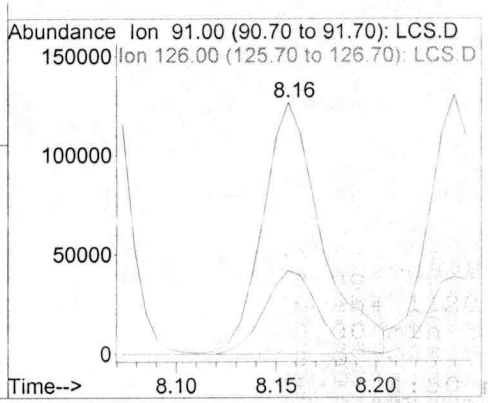


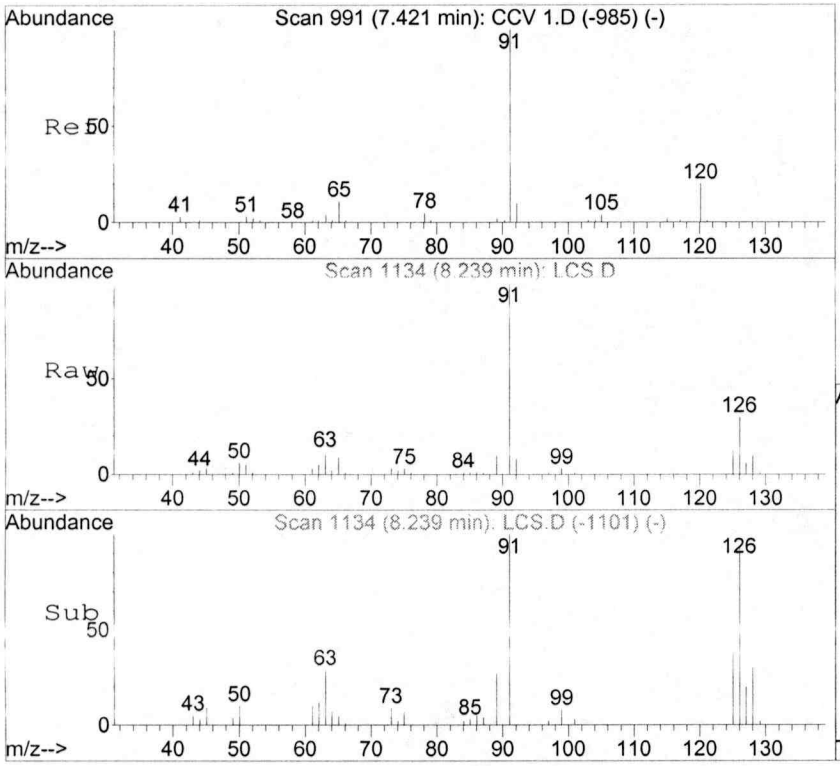


#62
2-Chlorotoluene
Concen: 112.25 ng
RT: 8.16 min Scan# 1120
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 91 Resp: 258402

Ion	Ratio	Lower	Upper
91	100		
126	33.2	7.1	67.1

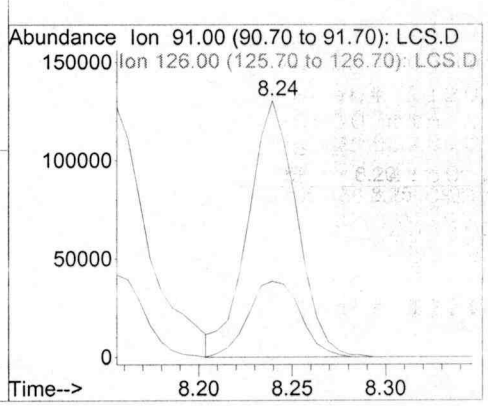


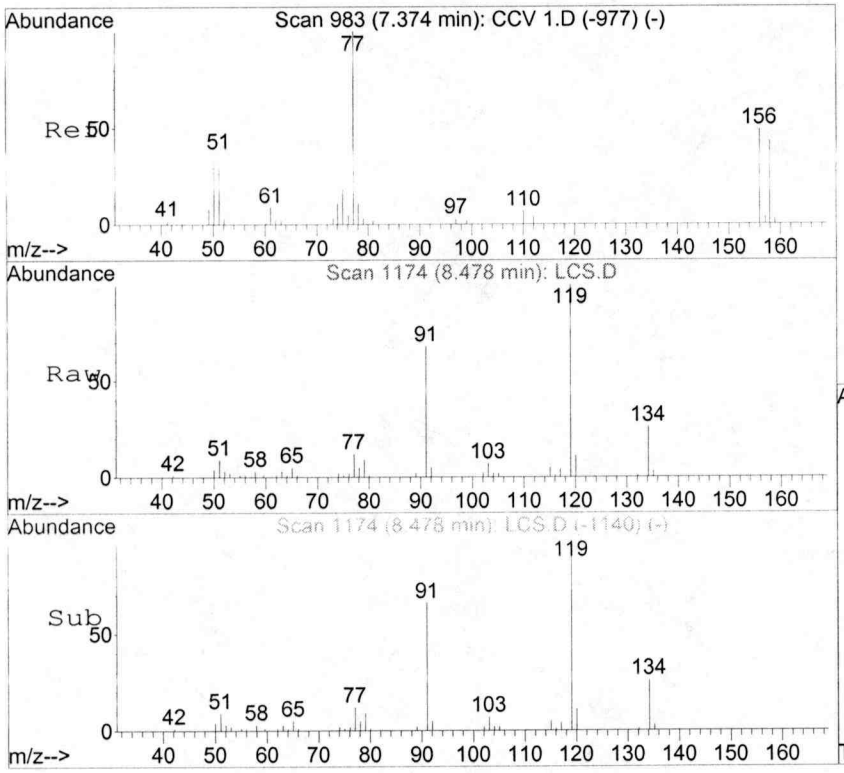


#63
4-Chlorotoluene
Concen: 114.42 ng
RT: 8.24 min Scan# 1134
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 91 Resp: 235912

Ion	Ratio	Lower	Upper
91	100		
126	29.6	3.3	63.3

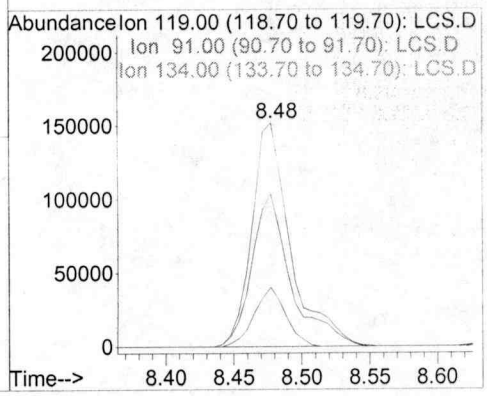


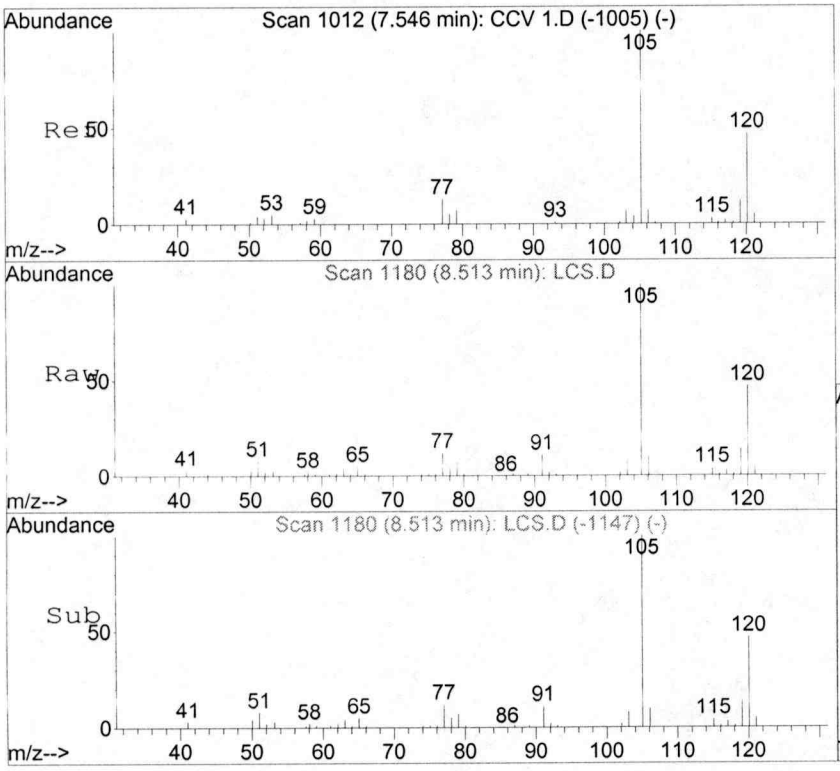


#64
tert-Butylbenzene
Concen: 112.40 ng
RT: 8.48 min Scan# 1174
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:119 Resp: 298429

Ion	Ratio	Lower	Upper
119	100		
91	68.1	28.8	88.8
134	26.4	0.0	55.4

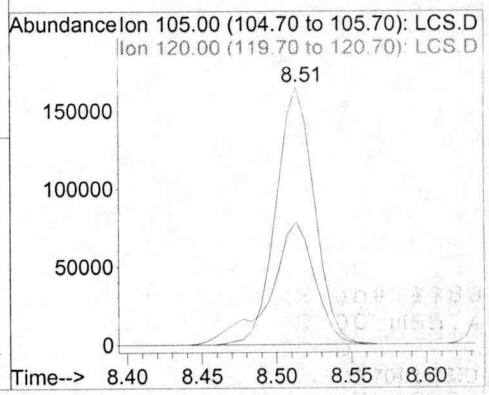


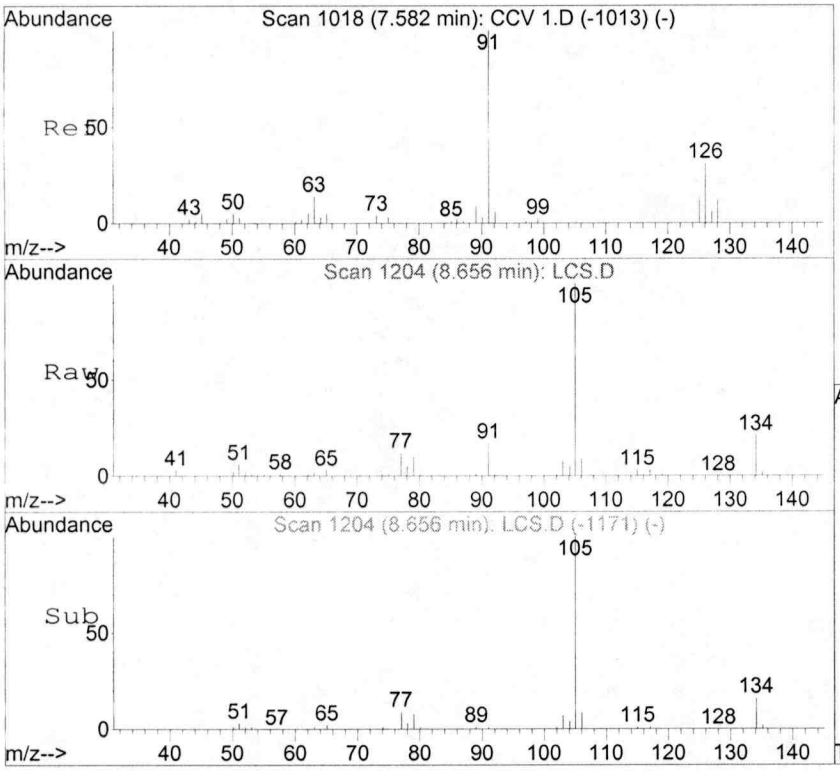


#65
1,2,4-Trimethylbenzene
Concen: 126.20 ng
RT: 8.51 min Scan# 1180
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:105 Resp: 294958

Ion	Ratio	Lower	Upper
105	100		
120	47.4	21.3	81.3

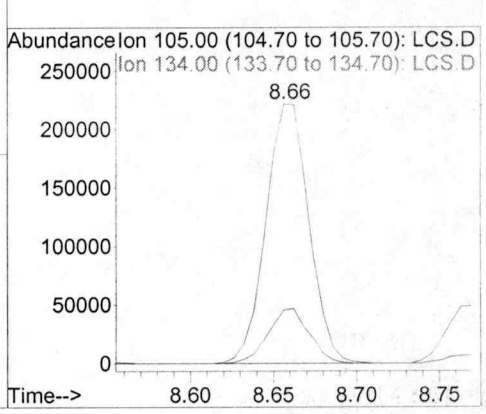


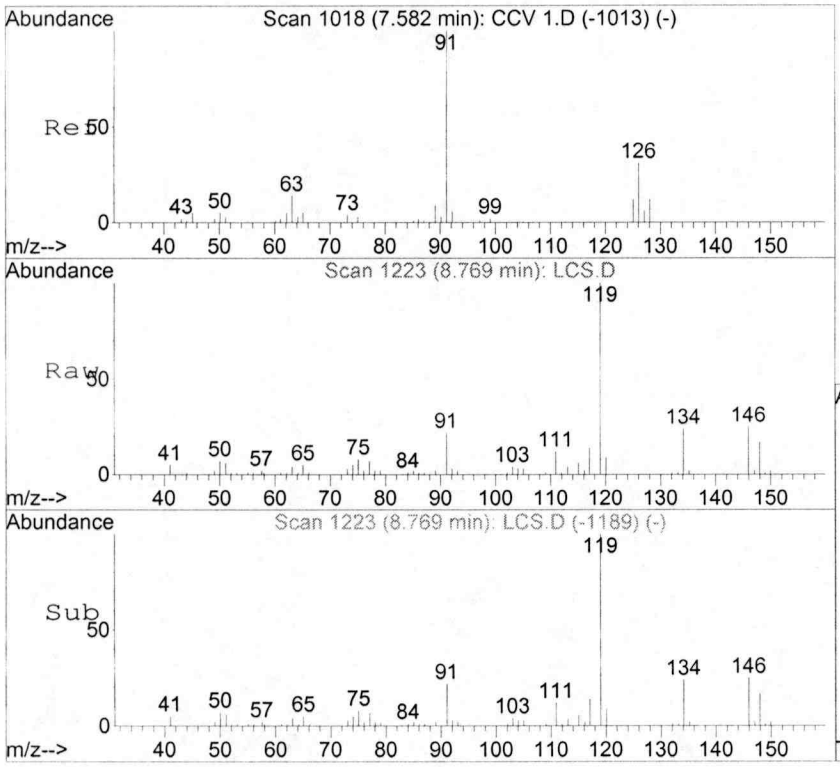


#66
sec-Butylbenzene
Concen: 116.59 ng
RT: 8.66 min Scan# 1204
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:105 Resp: 397340

Ion	Ratio	Lower	Upper
105	100		
134	20.6	0.0	51.7

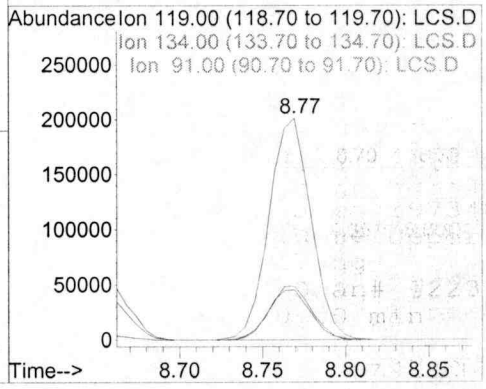


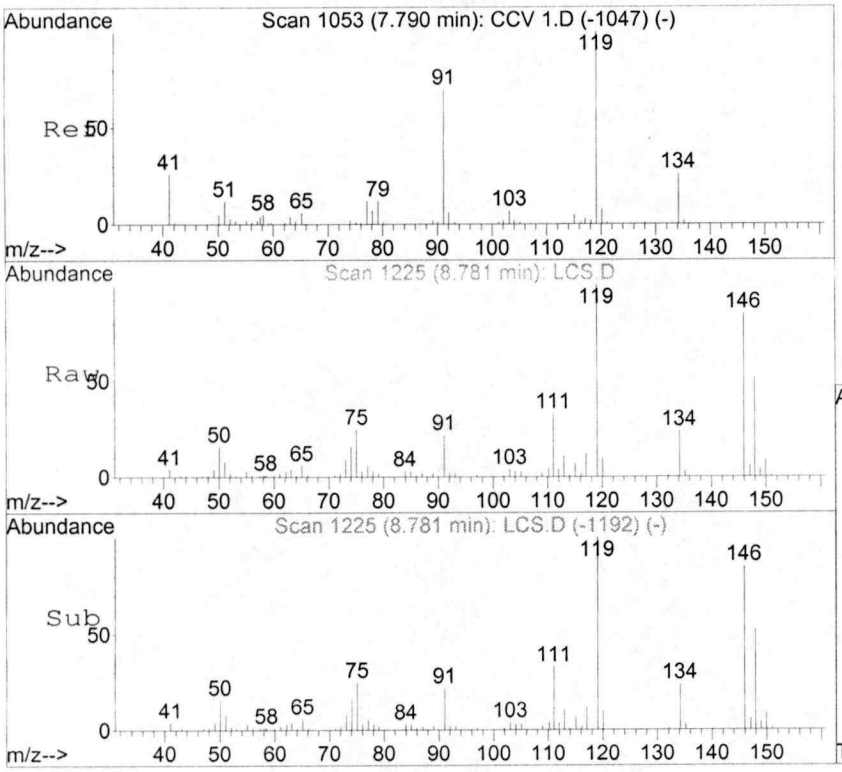


#67
p-Isopropyltoluene
Concen: 126.17 ng
RT: 8.77 min Scan# 1223
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:119 Resp: 353739

Ion	Ratio	Lower	Upper
119	100		
134	24.2	0.0	58.2
91	22.5	0.0	52.0

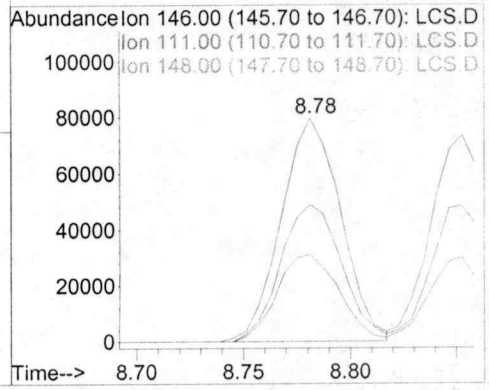


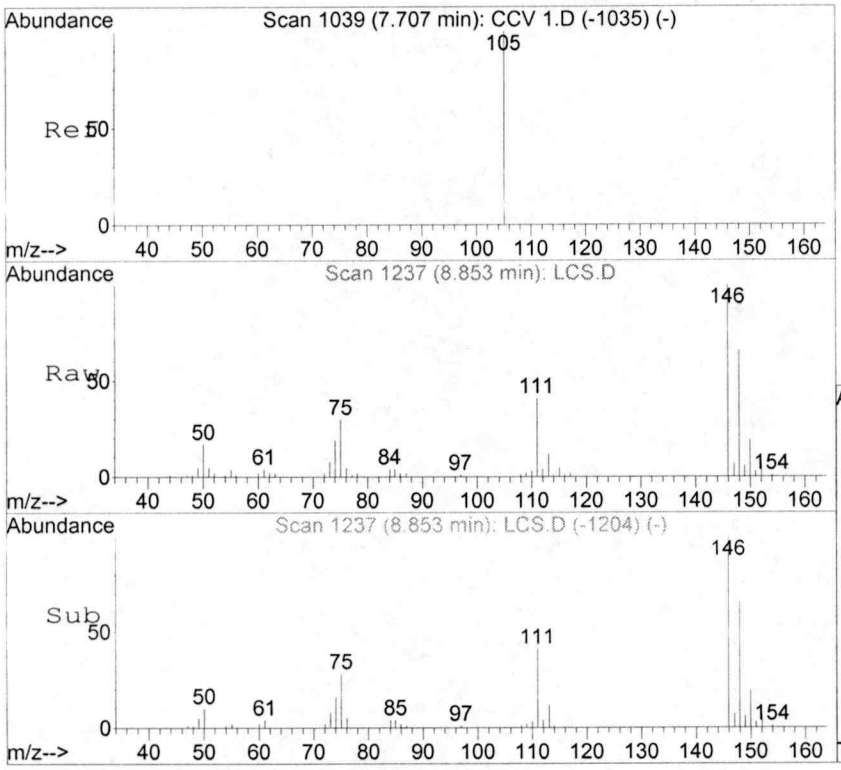


#68
1,3-Dichlorobenzene
Concen: 101.93 ng
RT: 8.78 min Scan# 1225
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:146 Resp: 154399

Ion	Ratio	Lower	Upper
146	100		
111	39.2	9.5	69.5
148	61.5	34.2	94.2

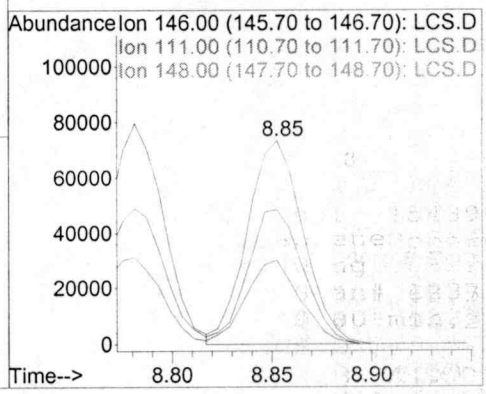


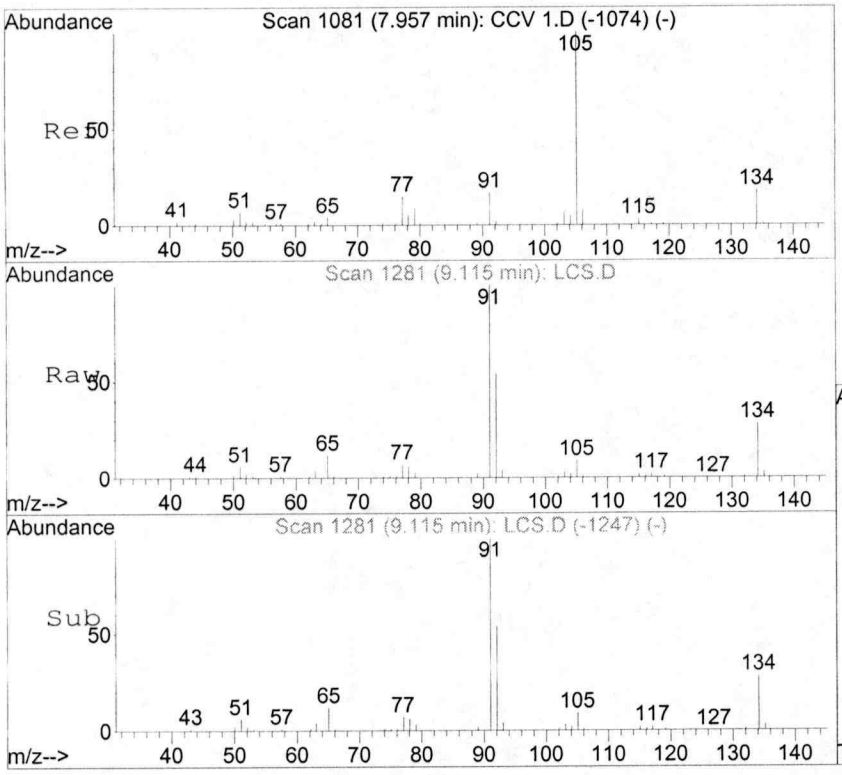


#69
1,4-Dichlorobenzene
Concen: 99.40 ng
RT: 8.85 min Scan# 1237
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:146 Resp: 142834

Ion	Ratio	Lower	Upper
146	100		
111	41.0	3.3	63.3
148	65.9	35.5	95.5

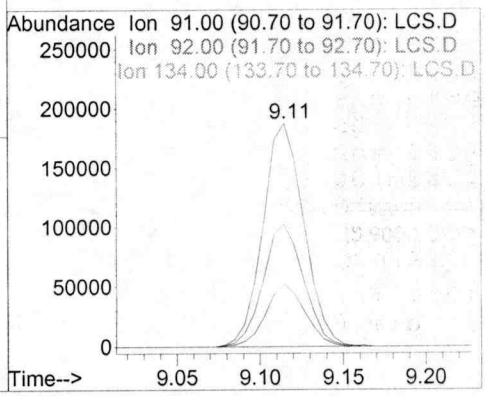


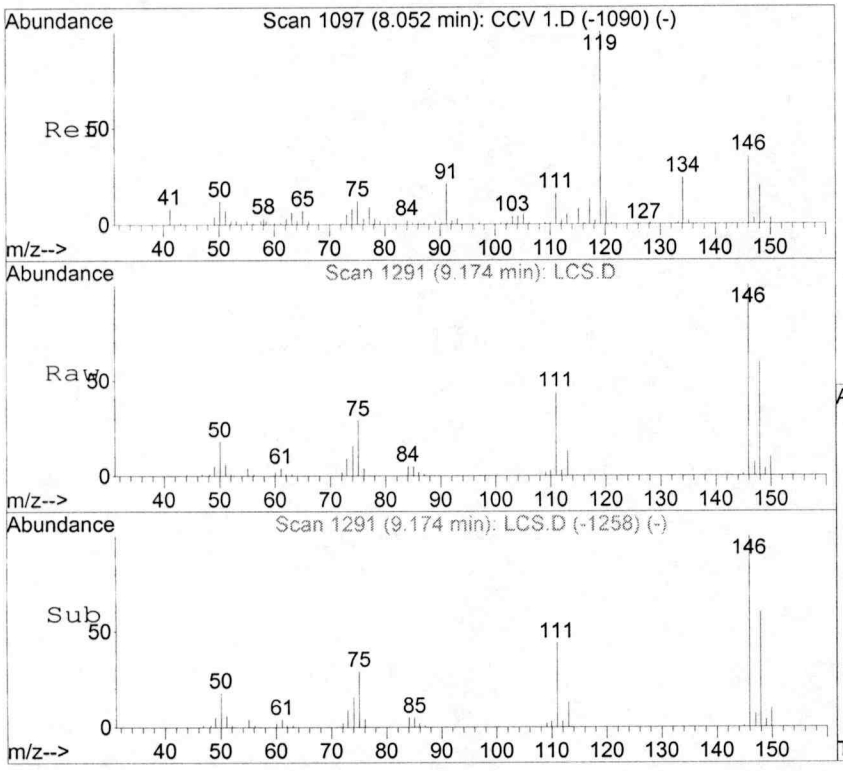


#70
n-Butylbenzene
Concen: 127.54 ng
RT: 9.11 min Scan# 1281
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 91 Resp: 318724

Ion	Ratio	Lower	Upper
91	100		
92	54.5	25.5	85.5
134	27.7	0.0	59.4

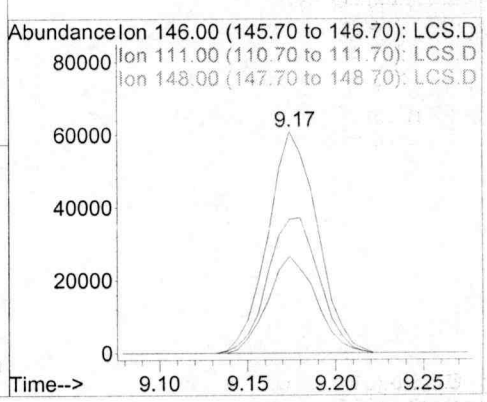


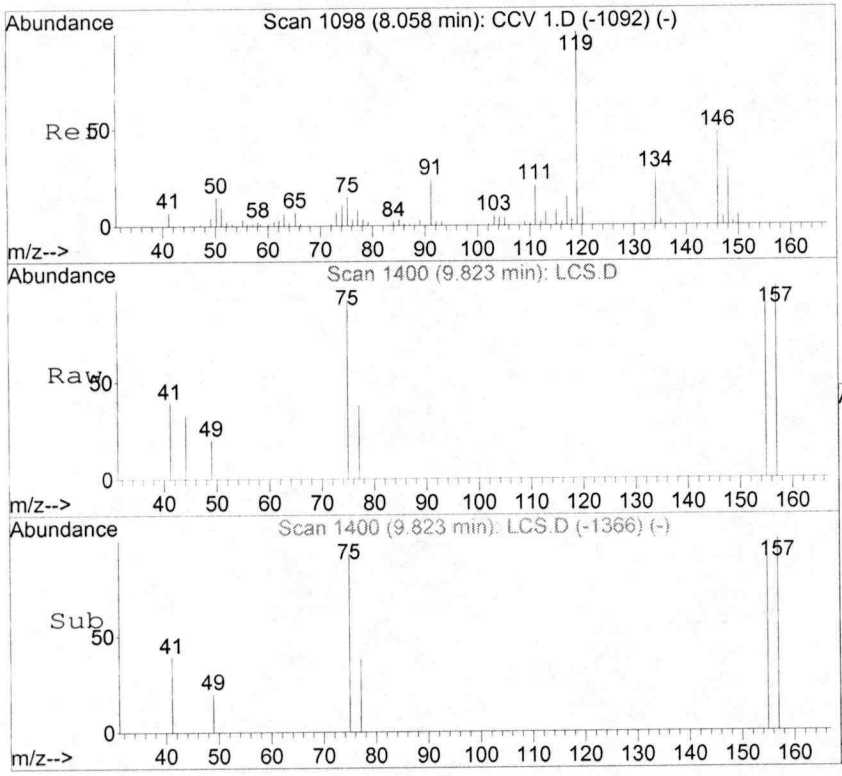


#71
1,2-Dichlorobenzene
Concen: 97.32 ng
RT: 9.17 min Scan# 1291
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:146 Resp: 119296

Ion	Ratio	Lower	Upper
146	100		
111	43.8	7.6	67.6
148	60.5	31.9	91.9

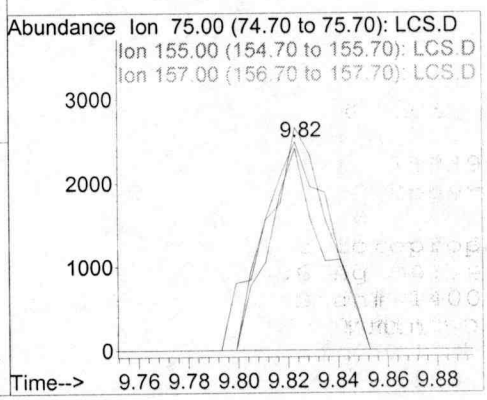


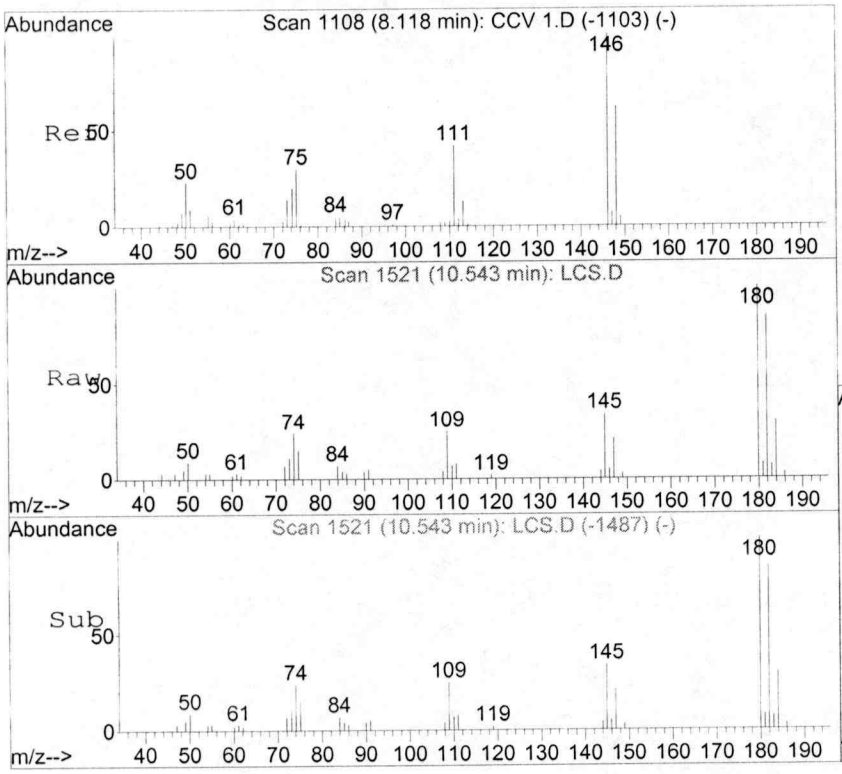


#72
1,2-Dibromo-3-chloropropane
Concen: 122.56 ng
RT: 9.82 min Scan# 1400
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 75 Resp: 4724

Ion	Ratio	Lower	Upper
75	100		
155	97.1	49.1	109.1
157	107.0	61.3	121.3

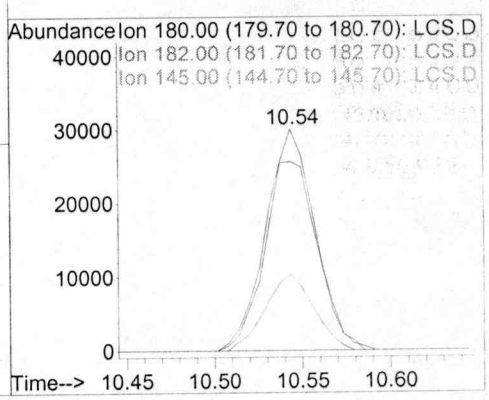


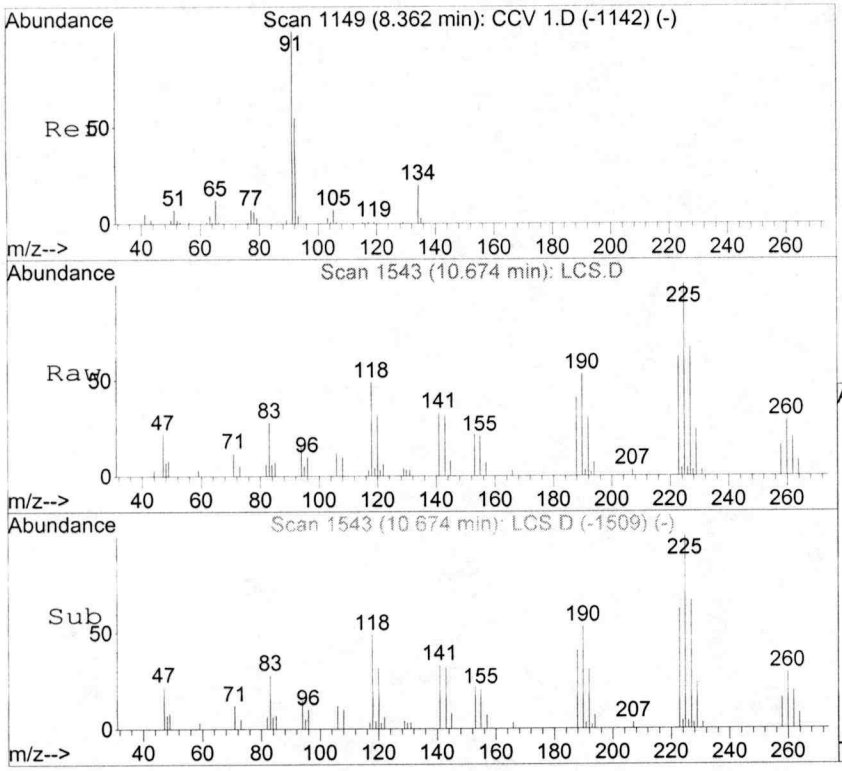


#73
1,2,4-Trichlorobenzene
Concen: 97.35 ng
RT: 10.54 min Scan# 1521
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:180 Resp: 58720

Ion	Ratio	Lower	Upper
180	100		
182	85.2	68.1	128.1
145	34.4	4.5	64.5

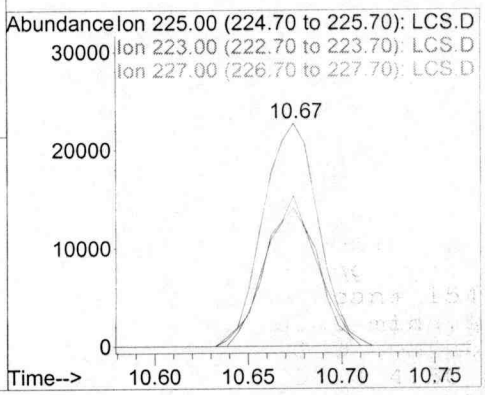


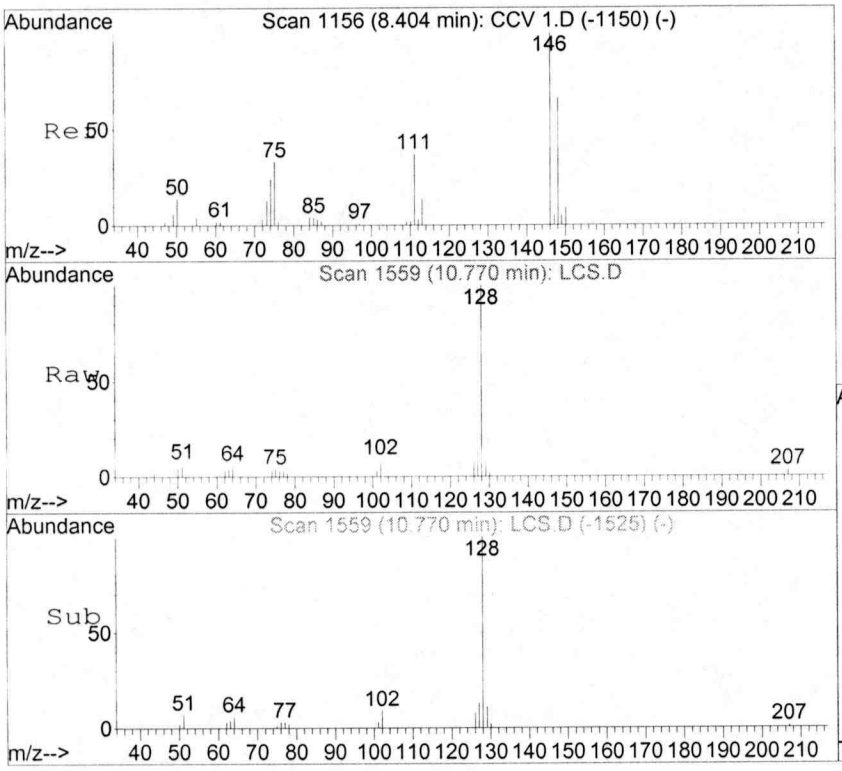


#74
Hexachlorobutadiene
Concen: 99.67 ng
RT: 10.67 min Scan# 1543
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:225 Resp: 46631

Ion	Ratio	Lower	Upper
225	100		
223	62.1	37.7	97.7
227	67.5	40.9	100.9

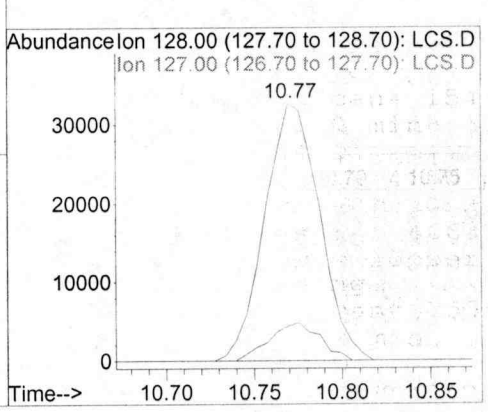


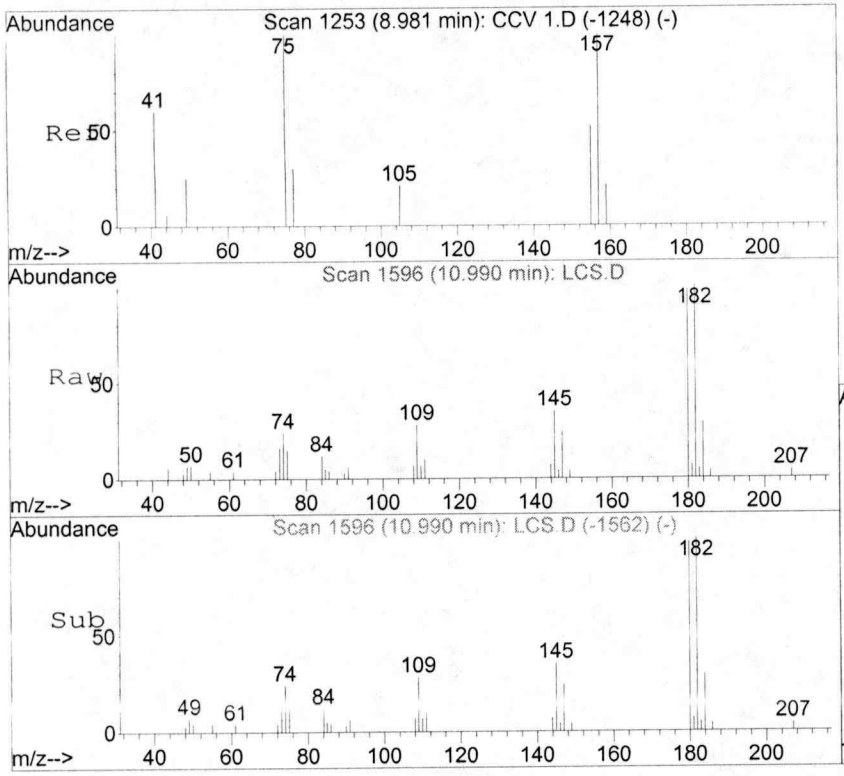


#75
Naphthalene
Concen: 86.28 ng
RT: 10.77 min Scan# 1559
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:128 Resp: 70755

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	31.5

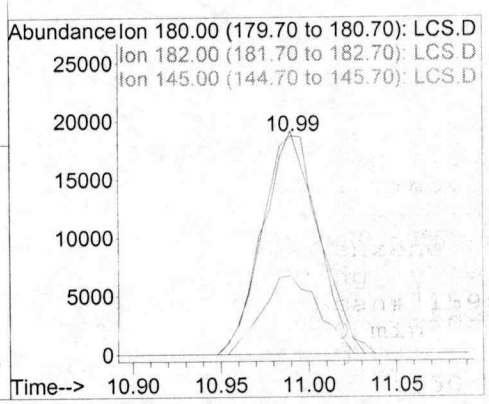


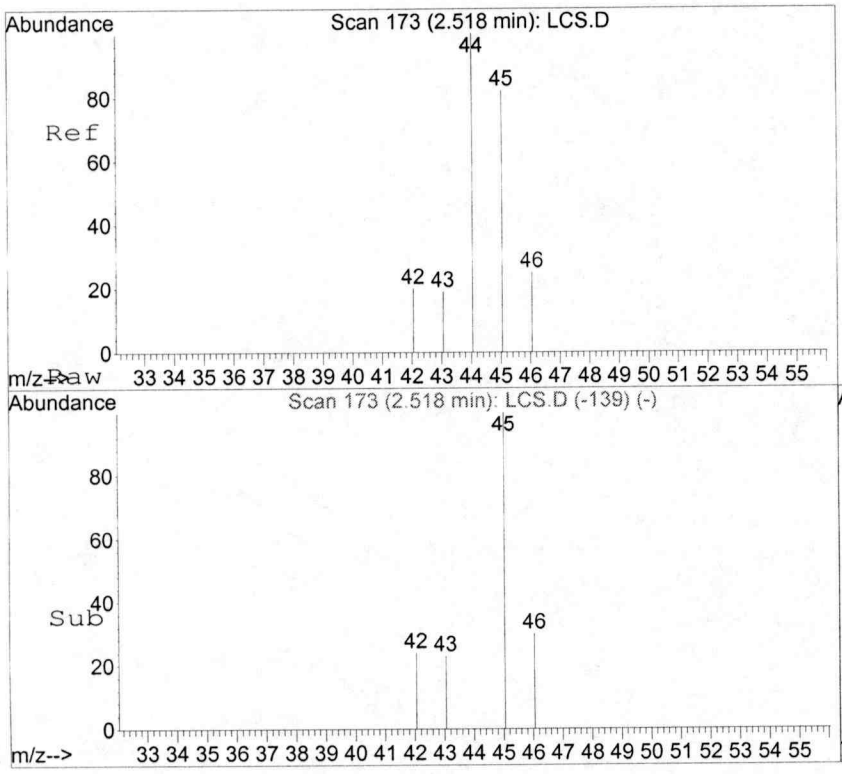


#76
1,2,3-Trichlorobenzene
Concen: 98.09 ng
RT: 10.99 min Scan# 1596
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion:180 Resp: 43164

Ion	Ratio	Lower	Upper
180	100		
182	102.4	71.2	111.2
145	35.8	7.1	47.1

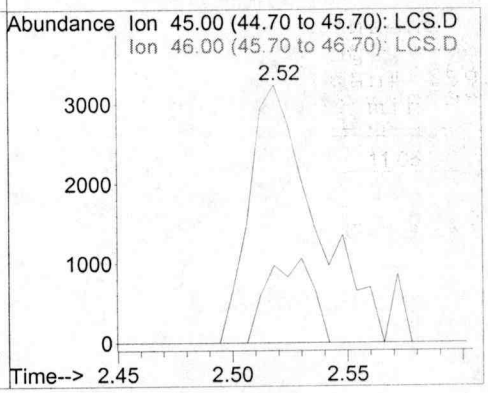


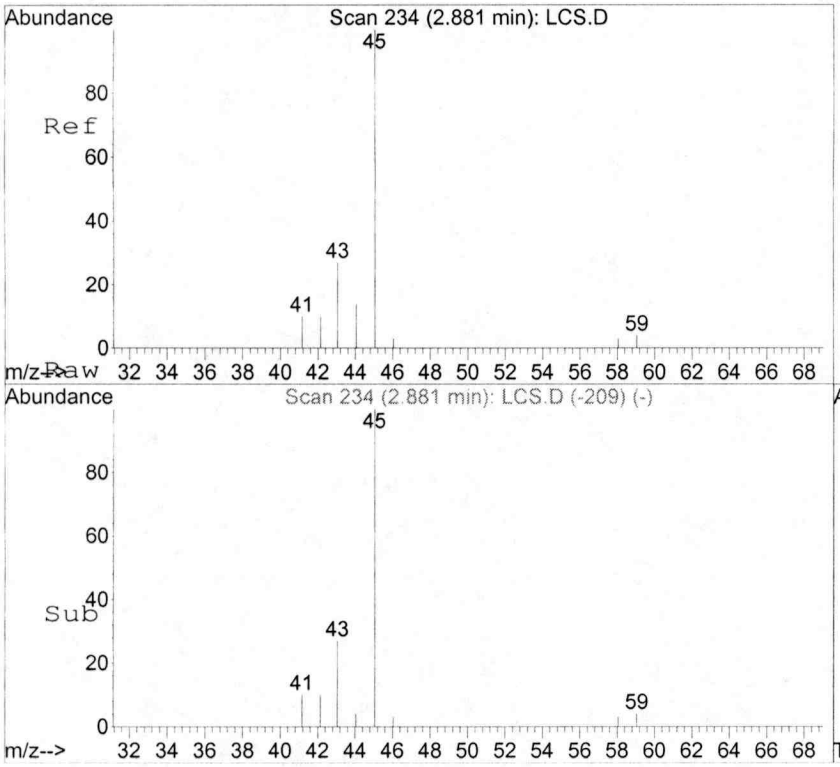


#78
Ethanol
Concen: 3471.17 ng
RT: 2.52 min Scan# 173
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 45 Resp: 6519

Ion	Ratio	Lower	Upper
45	100		
46	0.0	0.0	0.0

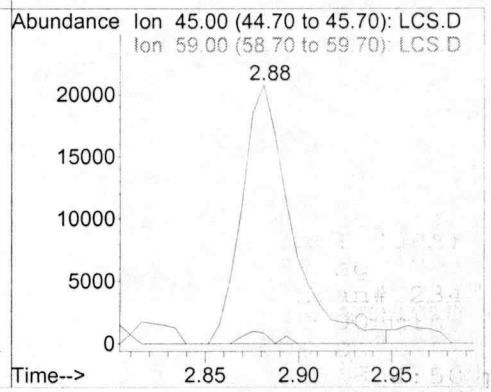


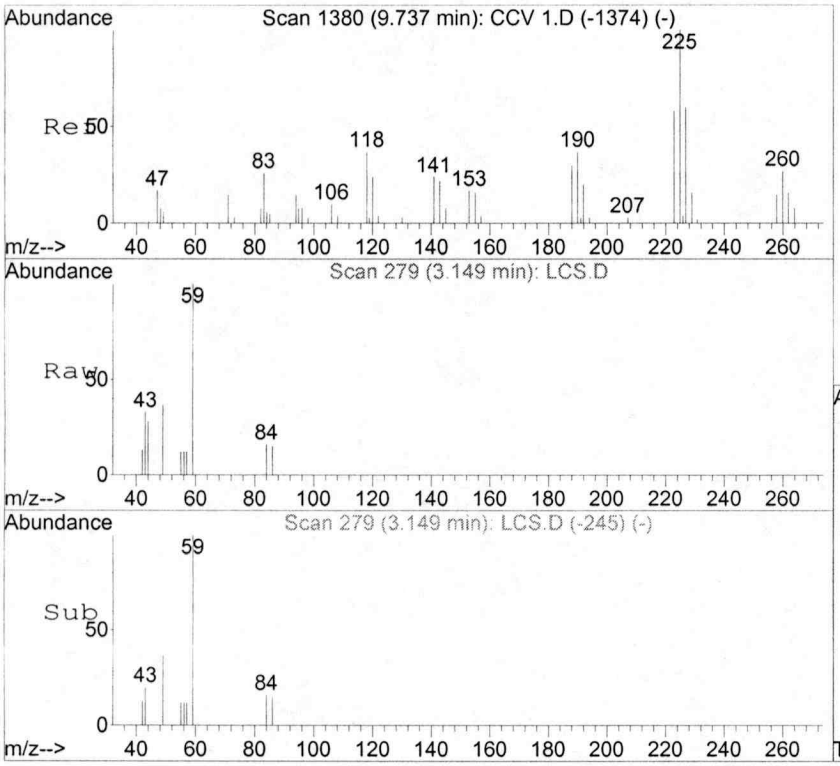


#79
Isopropyl Alcohol (IPA)
Concen: 3509.78 ng
RT: 2.88 min Scan# 234
Delta R.T. -0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

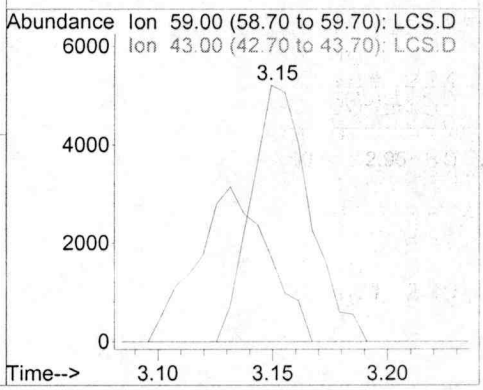
Tgt Ion: 45 Resp: 38648

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	0.0





#80
t-Butanol *
Concen: 465.78 ng
RT: 3.15 min Scan# 279
Delta R.T. 0.00 min
Lab File: LCS.D
Acq: 15 Nov 2013 4:50 pm

Tgt Ion: 59 Resp: 9248

Ion	Ratio	Lower	Upper
59	100		
43	32.8	0.0	55.3