AMEC

PALOMAR STREET (NB1016075P)

H&P PROJECT # AEE111313-SB1

LEVEL IV DATA PACKAGE

ANALYTICAL DATA
11/13/13

8260 ANALYSIS LOG

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

Client(s): AMEC

H&P Project #'s: AEE111313-SB1

Page: 1 of 1
Operator: CS
Date: 11/13/2013

Work Order(s): E311041 **Matrix Spike:** Soil Sample:
Water Sample:
Balance: 10g (Serial # 08-J45023-9)

Ical Method(s): 070113Vapor
Analyses: 8260 VOC+Oxy
Batch #'s: EK31301

Standards

1st VOC Std	LSS-1668	Exp. 11/16/2013	Conc.	20/200/800ug/ml	uL Injection:	2.5
2nd VOC Std	LSS-1669	Exp. 11/17/2013	Conc.	20/200/800ug/ml	uL Injection:	2.5
IS/Surr Combo	LSS-1667	Exp. 1/3/2014	Conc.	20/400 ug/ml	uL Injection:	2.5

Int. Std.	LSS-1659	Exp. 11/29/2013	Conc.	20/400 ug/ml	uL Injection:	2.5
Surrogate	LSS-1658	Exp. 11/29/2013	Conc.	20 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		
CCV3		Vapor	100mL			0.01		
		Vapor	100mL			0.01		
EK31301-BLK1		Vapor	100mL			0.01		
E311041-01		Vapor	100mL			0.01		
E311041-02		Vapor	100mL			0.01		
E311041-03		Vapor	100mL			0.01		
E311041-04		Vapor	100mL			0.01		
E311041-05		Vapor	100mL			0.01		
E311041-06		Vapor	100mL			0.01		
EK31301-BS1		Vapor	100mL			0.01		
EK31301-BS1		Vapor	100mL			0.01		

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	OK
5	2nd SRC 50ug/ml CCV 3	2nd SRC 50ug/ml CCV 3	OK for ICAL
6	BLK	BLK	not used
7	BLK1	BLK1	OK
8	12-SV-5, 1PV	12-SV-5, 1PV	
9	12-SV-5, 3PV	12-SV-5, 3PV	
10	12-SV-5, 10PV	12-SV-5, 10PV	
11	12-SV-15, 1PV	12-SV-15, 1PV	
12	12-SV-15, 3PV	12-SV-15, 3PV	
13	12-SV-15, 10PV	12-SV-15, 10PV	
14	LCS	LCS	not used
15	LCS r	LCS r	Element

Footnotes: RR=rerun, OR=overrange

Analyst Initials [signature] Date 11-13-13

INTERNAL STANDARD SUMMARY LOG FOR 8260 ANALYSIS

H&P Project # AEE111313-SB1

Date: 11/13/13

Client Sample Name	Sample Name	Fluorobenzene		Chlorobenzene - d5		1,4-Dichlorobenzene - d4		tBA - d9	
		R.T.	Response	R.T.	Response	R.T.	Response	R.T.	Response
12-SV-15-10PV.D	E311041-06	4.73	120846.00	6.94	40179	8.83	38466	3.1	17507
12-SV-15-1PV.D	E311041-04	4.73	137744.00	6.94	46307	8.83	43954	3.1	20191
12-SV-15-3PV.D	E311041-05	4.73	132636.00	6.94	45374	8.83	43458	3.1	20907
12-SV-5-10PV.D	E311041-03	4.73	157139.00	6.94	55330	8.84	54667	3.1	29259
12-SV-5-1PV.D	E311041-01	4.73	146196.00	6.94	51770	8.83	48200	3.1	22282
12-SV-5-3PV.D	E311041-02	4.73	142755.00	6.94	49743	8.83	44352	3.1	21212
BLK1.D	EK31301-BLK1	4.73	138974.00	6.94	44843	8.83	37538	3.1	22389
CCV2.D	50ug/ml CCV	4.73	147763.00	6.94	52564	8.83	52955	3.1	28167
LCSr.D	EK31301-BS1	4.74	144488.00	6.95	50729	8.85	50289	3.11	21955

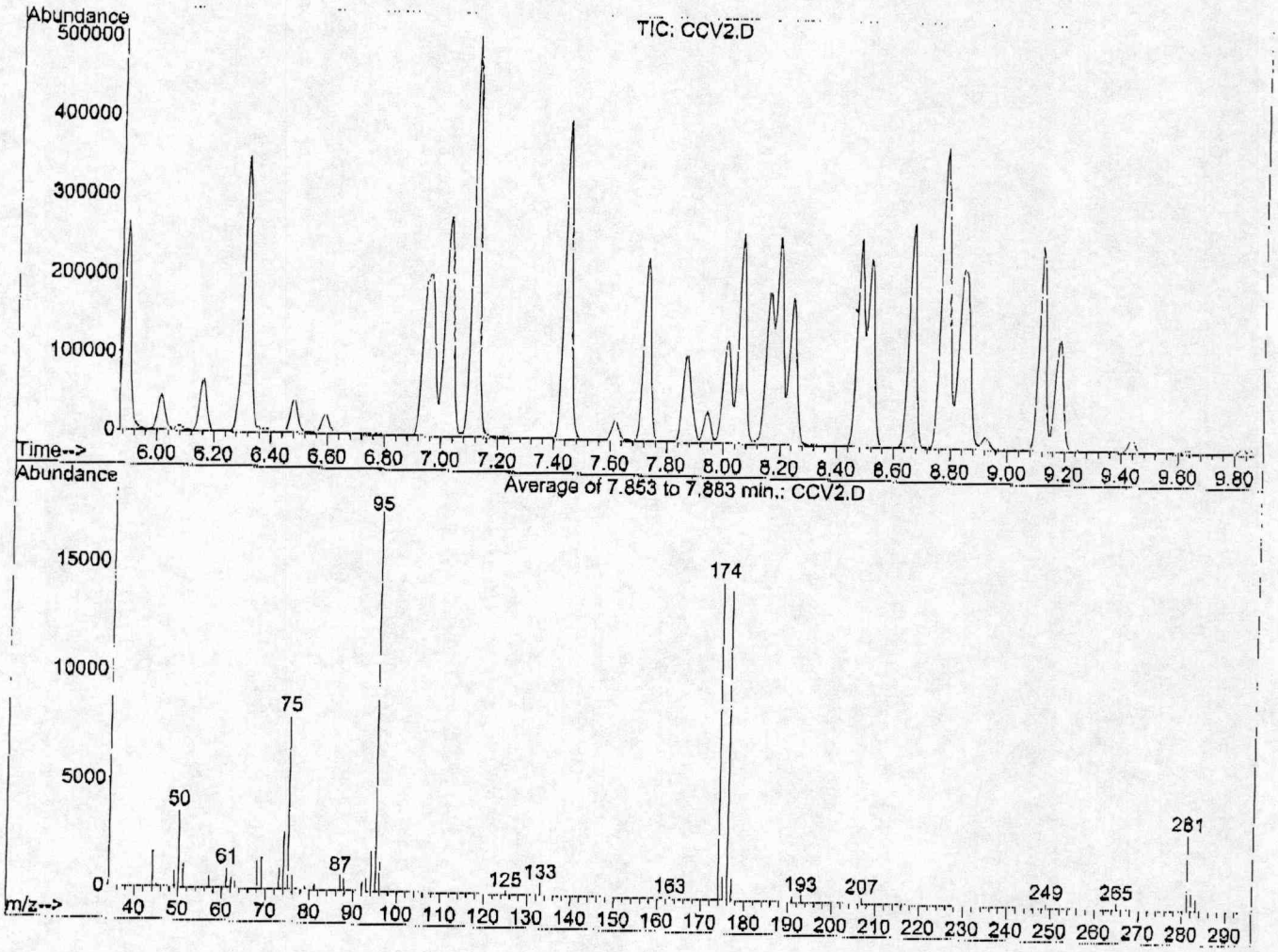
Acceptance Range minimum	4.67	83,014	6.88	27,123	8.77	28,606	3.04	9,133
Acceptance Range maximum	4.79	332,056	7.00	108,492	8.89	114,424	3.16	36,530

CLPBFB

Data Path : E:\data\111313\
Data File : CCV2.D
Acq On : 13 Nov 2013 12:39 pm
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 4 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 7.853 to 7.883 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.5	3590	PASS
75	95	30	60	45.9	8032	PASS
95	95	100	100	100.0	17516	PASS
96	95	5	9	7.7	1349	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	83.8	14679	PASS
175	174	5	9	7.7	1135	PASS
176	174	95	101	98.7	14487	PASS
177	176	5	9	6.9	994	PASS

Evaluate Continuing Calibration Report

Data Path : E:\data\111313\
Data File : CCV2.D
Acq On : 13 Nov 2013 12:39 pm
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

#13 high

Quant Time: Nov 13 14:53:38 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	89	0.00
2		1,1-Difluoroethane	0.162	0.139	14.2	81	0.00
3	T	Dichlorodifluoromethane	0.358	0.330	7.8	80	0.00
4	TP	Chloromethane	0.427	0.353	17.3	72	0.00
5	TC	Vinyl Chloride	0.327	0.300	8.3	77	0.00
6	T	Bromomethane	0.199	0.180	9.5	85	0.01
7	T	Chloroethane	0.196	0.171	12.8	76	0.00
8	T	Trichlorofluoromethane	0.476	0.454	4.6	83	0.00
9	TC	1,1-Dichloroethene	0.250	0.248	0.8	85	0.00
10	T	Freon-113	0.295	0.272	7.8	79	0.00
11		acetone	0.056	0.035	~~37.5~~	85	0.00
12	T	Methylene Chloride	0.213	0.217	-1.9	93	0.00
13	T	MTBE*	0.292	0.360	H -23.3	114	0.00
14	T	trans-1,2-Dichloroethene	0.269	0.268	0.4	89	0.00
15		Diisopropyl ether*	0.632	0.624	1.3	85	0.00
16	TP	1,1-Dichloroethane	0.472	0.443	6.1	81	0.00
17		Ethyl-t-butyl ether*	0.527	0.519	1.5	96	0.00
18	T	2,2-Dichloropropane	0.398	0.418	-5.0	91	0.00
19		2-Butanone	0.008	0.010	~~25.0~~	112	0.00
20	T	cis-1,2-Dichloroethene	0.263	0.267	-1.5	87	0.00
21	TC	Chloroform	0.409	0.432	-5.6	93	0.00
22	T	Bromochloromethane	0.100	0.106	-6.0	100	0.00
23	T	1,1,1-Trichloroethane	0.447	0.455	-1.8	89	0.00
24	S	Dibromofluoromethane	0.189	0.185	2.1	93	0.00
25	T	1,1-Dichloropropene	0.360	0.369	-2.5	92	0.00
26	T	Carbon Tetrachloride	0.441	0.409	7.3	86	0.00
27	S	1,2-Dichloroethane-d4	0.178	0.204	-14.6	113	0.00
28	T	1,2-Dichloroethane	0.209	0.253	~~21.1~~	101	0.00
29		TAME* (2-methoxy-2-methylbu	0.339	0.391	-15.3	107	0.00
30	TM	Benzene*	0.999	1.053	-5.4	91	0.00
31	TM	Trichloroethene	0.288	0.302	-4.9	93	0.00
32	TC	1,2-Dichloropropane	0.225	0.229	-1.8	91	0.00
33	T	Bromodichloromethane	0.246	0.267	-8.5	99	0.00
34	T	Dibromomethane	0.078	0.092	-17.9	103	0.00
35	T	cis-1,3-Dichloropropene	0.255	0.281	-10.2	106	0.00
36		Methyl Isobutyl Ketone	0.090	0.125	~~38.9~~	119	0.00
37	S	Toluene-d8	0.867	0.934	-7.7	91	0.00
38	TMC	Toluene*	0.736	0.786	-6.8	97	0.00
39	T	trans-1,3-Dichloropropene	0.200	0.218	-9.0	101	0.00
40	T	1,1,2-Trichloroethane	0.099	0.116	-17.2	104	0.00
41		2-Hexanone	0.059	0.082	~~39.0~~	117	0.00
42	T	1,2-Dibromoethane	0.108	0.124	-14.8	103	0.00
43	I	Chlorobenzene-D5	1.000	1.000	0.0	97	0.00
44	T	1,3-Dichloropropane	0.612	0.661	-8.0	100	0.00
45	T	Tetrachloroethene	0.868	0.797	8.2	82	0.00
46	T	Dibromochloromethane	0.466	0.514	-10.3	106	0.00
47	TMP	Chlorobenzene	2.132	2.055	3.6	89	0.00
48	TC	Ethylbenzene*	1.124	1.093	2.8	90	0.00

Evaluate Continuing Calibration Report

Data Path : E:\data\111313\
Data File : CCV2.D
Acq On : 13 Nov 2013 12:39 pm
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 14:53:38 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	0.687	0.6	92	0.00
50	T	m,p-Xylene*	1.496	1.516	-1.3	88	0.00
51	T	o-Xylene*	1.312	1.334	-1.7	93	0.00
52	T	Styrene	1.896	1.980	-4.4	92	0.00
53	TP	Bromoform	0.219	0.248	-13.2	112	0.00
54	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
55	S	4-Bromofluorobenzene	0.705	0.696	1.3	91	0.00
56	T	Isopropylbenzene	3.329	3.284	1.4	88	0.00
57	TP	1,1,2,2-Tetrachloroethane	0.400	0.410	-2.5	105	0.00
58	T	1,2,3-Trichloropropane	0.360	0.389	-8.1	103	0.00
59	T	n-Propylbenzene	4.412	4.407	0.1	84	0.00
60	T	Bromobenzene	0.804	0.801	0.4	95	0.00
61	T	1,3,5-Trimethylbenzene	3.055	3.123	-2.2	86	0.00
62	T	2-Chlorotoluene	2.841	2.859	-0.6	91	0.00
63	T	4-Chlorotoluene	2.544	2.554	-0.4	88	0.00
64	T	tert-Butylbenzene	3.276	3.125	4.6	85	0.00
65	T	1,2,4-Trimethylbenzene	2.884	2.981	-3.4	88	0.00
66	T	sec-Butylbenzene	4.206	4.191	0.4	83	0.00
67	T	p-Isopropyltoluene	3.460	3.622	-4.7	85	0.00
68	T	1,3-Dichlorobenzene	1.869	1.878	-0.5	89	0.00
69	T	1,4-Dichlorobenzene	1.773	1.782	-0.5	91	0.00
70	T	n-Butylbenzene	3.084	3.030	1.8	82	0.00
71	T	1,2-Dichlorobenzene	1.513	1.530	-1.1	94	0.00
72	T	1,2-Dibromo-3-chloropropane	0.047	0.053	-12.8	101	0.01
73	T	1,2,4-Trichlorobenzene	0.744	0.772	-3.8	107	0.00
74	T	Hexachlorobutadiene	0.577	0.489	15.3	80	0.00
75	T	Naphthalene	0.889	0.958	-7.8	121	0.01
76	T	1,2,3-Trichlorobenzene	0.543	0.561	-3.3	104	0.00
77	I	TBA-d9	1.000	1.000	0.0	154	0.00
78		Ethanol	0.145	0.138	4.8	130	0.00
79		Isopropyl Alcohol (IPA)	0.853	0.676	20.8	120	0.00
80	T	t-Butanol *	1.572	1.302	17.2	140	0.00

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

Evaluate Continuing Calibration Report

Data Path : E:\data\111313\
Data File : CCV2.D
Acq On : 13 Nov 2013 12:39 pm
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 14:53:38 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	89	0.00
2		1,1-Difluoroethane	50.000	42.855	14.3	81	0.00
3	T	Dichlorodifluoromethane	50.000	46.109	7.8	80	0.00
4	TP	Chloromethane	50.000	41.404	17.2	72	0.00
5	TC	Vinyl Chloride	50.000	45.810	8.4	77	0.00
6	T	Bromomethane	50.000	45.245	9.5	85	0.01
7	T	Chloroethane	50.000	43.583	12.8	76	0.00
8	T	Trichlorofluoromethane	50.000	47.668	4.7	83	0.00
9	TC	1,1-Dichloroethene	50.000	49.637	0.7	85	0.00
10	T	Freon-113	50.000	46.091	7.8	79	0.00
11		acetone	500.000	374.314	25.1	85	0.00
12	T	Methylene Chloride	50.000	50.959	-1.9	93	0.00
13	T	MTBE*	50.000	61.583	-23.2	114	0.00
14	T	trans-1,2-Dichloroethene	50.000	49.816	0.4	89	0.00
15		Diisopropyl ether*	50.000	49.405	1.2	85	0.00
16	TP	1,1-Dichloroethane	50.000	46.901	6.2	81	0.00
17		Ethyl-t-butyl ether*	50.000	49.275	1.5	96	0.00
18	T	2,2-Dichloropropane	50.000	52.517	-5.0	91	0.00
19		2-Butanone	500.000	624.944	-25.0	112	0.00
20	T	cis-1,2-Dichloroethene	50.000	50.878	-1.8	87	0.00
21	TC	Chloroform	50.000	52.832	-5.7	93	0.00
22	T	Bromochloromethane	50.000	52.680	-5.4	100	0.00
23	T	1,1,1-Trichloroethane	50.000	50.964	-1.9	89	0.00
24	S	Dibromofluoromethane	50.000	48.834	2.3	93	0.00
25	T	1,1-Dichloropropene	50.000	51.376	-2.8	92	0.00
26	T	Carbon Tetrachloride	50.000	46.352	7.3	86	0.00
27	S	1,2-Dichloroethane-d4	50.000	57.401	-14.8	113	0.00
28	T	1,2-Dichloroethane	50.000	60.578	-21.2	101	0.00
29		TAME* (2-methoxy-2-methylbu	50.000	57.791	-15.6	107	0.00
30	TM	Benzene*	50.000	52.668	-5.3	91	0.00
31	TM	Trichloroethene	50.000	52.491	-5.0	93	0.00
32	TC	1,2-Dichloropropane	50.000	50.758	-1.5	91	0.00
33	T	Bromodichloromethane	50.000	54.260	-8.5	99	0.00
34	T	Dibromomethane	50.000	59.066	-18.1	103	0.00
35	T	cis-1,3-Dichloropropene	50.000	55.079	-10.2	106	0.00
36		Methyl Isobutyl Ketone	500.000	691.195	-38.2	119	0.00
37	S	Toluene-d8	50.000	53.913	-7.8	91	0.00
38	TMC	Toluene*	50.000	53.406	-6.8	97	0.00
39	T	trans-1,3-Dichloropropene	50.000	54.585	-9.2	101	0.00
40	T	1,1,2-Trichloroethane	50.000	58.722	-17.4	104	0.00
41		2-Hexanone	500.000	693.907	-38.8	117	0.00
42	T	1,2-Dibromoethane	50.000	56.961	-13.9	103	0.00
43	I	Chlorobenzene-D5	50.000	50.000	0.0	97	0.00
44	T	1,3-Dichloropropane	50.000	54.069	-8.1	100	0.00
45	T	Tetrachloroethene	50.000	45.931	8.1	82	0.00
46	T	Dibromochloromethane	50.000	55.220	-10.4	106	0.00
47	TMP	Chlorobenzene	50.000	48.191	3.6	89	0.00
48	TC	Ethylbenzene*	50.000	48.628	2.7	90	0.00

Evaluate Continuing Calibration Report

Data Path : E:\data\111313\
Data File : CCV2.D
Acq On : 13 Nov 2013 12:39 pm
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 14:53:38 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	49.714	0.6	92	0.00
50	T	m,p-Xylene*	100.000	101.317	-1.3	88	0.00
51	T	o-Xylene*	50.000	50.822	-1.6	93	0.00
52	T	Styrene	50.000	52.229	-4.5	92	0.00
53	TP	Bromoform	50.000	56.702	-13.4	112	0.00
54	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
55	S	4-Bromofluorobenzene	50.000	49.412	1.2	91	0.00
56	T	Isopropylbenzene	50.000	49.335	1.3	88	0.00
57	TP	1,1,2,2-Tetrachloroethane	50.000	51.293	-2.6	105	0.00
58	T	1,2,3-Trichloropropane	50.000	54.001	-8.0	103	0.00
59	T	n-Propylbenzene	50.000	49.937	0.1	84	0.00
60	T	Bromobenzene	50.000	49.804	0.4	95	0.00
61	T	1,3,5-Trimethylbenzene	50.000	51.127	-2.3	86	0.00
62	T	2-Chlorotoluene	50.000	50.314	-0.6	91	0.00
63	T	4-Chlorotoluene	50.000	50.192	-0.4	88	0.00
64	T	tert-Butylbenzene	50.000	47.689	4.6	85	0.00
65	T	1,2,4-Trimethylbenzene	50.000	51.679	-3.4	88	0.00
66	T	sec-Butylbenzene	50.000	49.825	0.3	83	0.00
67	T	p-Isopropyltoluene	50.000	52.347	-4.7	85	0.00
68	T	1,3-Dichlorobenzene	50.000	50.229	-0.5	89	0.00
69	T	1,4-Dichlorobenzene	50.000	50.250	-0.5	91	0.00
70	T	n-Butylbenzene	50.000	49.134	1.7	82	0.00
71	T	1,2-Dichlorobenzene	50.000	50.579	-1.2	94	0.00
72	T	1,2-Dibromo-3-chloropropane	50.000	68.884	-37.8	101	0.01
73	T	1,2,4-Trichlorobenzene	50.000	51.884	-3.8	107	0.00
74	T	Hexachlorobutadiene	50.000	42.378	15.2	80	0.00
75	T	Naphthalene	50.000	56.384	-12.8	121	0.01
76	T	1,2,3-Trichlorobenzene	50.000	51.624	-3.2	104	0.00
77	I	TBA-d9	1000.000	1000.000	0.0	154	0.00
78		Ethanol	2000.000	1895.642	5.2	130	0.00
79		Isopropyl Alcohol (IPA)	2000.000	1584.443	20.8	120	0.00
80	T	t-Butanol *	500.000	415.716	16.9	140	0.00

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

Quantitation Report (QT Reviewed)

Data Path : E:\data\111313\
Data File : CCV2.D
Acq On : 13 Nov 2013 12:39 pm
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 14:53:38 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	147763	50.00	ng		0.00
43) Chlorobenzene-D5	6.94	82	52564	50.00	ng		0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	52955	50.00	ng		0.00
77) TBA-d9	3.10	65	28167	1000.00	ng		0.00
System Monitoring Compounds							
24) Dibromofluoromethane	4.26	113	27347	48.83	ng		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 97.66%				
27) 1,2-Dichloroethane-d4	4.50	65	30126	57.40	ng		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 114.80%				
37) Toluene-d8	5.84	98	138072	53.91	ng		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 107.82%				
55) 4-Bromofluorobenzene	7.87	174	36879	49.41	ng		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.82%				
Target Compounds							Qvalue
2) 1,1-Difluoroethane	1.56	65	20526	42.85	ng		75
3) Dichlorodifluoromethane	1.59	85	48805	46.11	ng		92
4) Chloromethane	1.75	50	52193	41.40	ng		94
5) Vinyl Chloride	1.85	62	44259	45.81	ng		92
6) Bromomethane	2.13	94	26615	45.25	ng		86
7) Chloroethane	2.21	64	25281	43.58	ng		92
8) Trichlorofluoromethane	2.41	101	67013	47.67	ng		94
9) 1,1-Dichloroethene	2.79	96	36712	49.64	ng		92
10) Freon-113	2.78	101	40134	46.09	ng		98
11) acetone	2.80	43	51419	374.31	ng		95
12) Methylene Chloride	3.11	84	32062	50.96	ng		86
13) MTBE*	3.29	73	53158	61.58	ng		98
14) trans-1,2-Dichloroethene	3.30	96	39584	49.82	ng		95
15) Diisopropyl ether*	3.60	45	92208	49.41	ng		99
16) 1,1-Dichloroethane	3.58	63	65421	46.90	ng		94
17) Ethyl-t-butyl ether*	3.84	59	76729	49.27	ng		99
18) 2,2-Dichloropropane	3.97	77	61729	52.52	ng		95
19) 2-Butanone	3.94	72	15292	624.94	ng		84
20) cis-1,2-Dichloroethene	3.96	96	39470	50.88	ng		92
21) Chloroform	4.16	83	63889	52.83	ng		86
22) Bromochloromethane	4.12	128	15644	52.68	ng	#	83
23) 1,1,1-Trichloroethane	4.31	97	67258	50.96	ng		96
25) 1,1-Dichloropropene	4.41	75	54583	51.38	ng		95
26) Carbon Tetrachloride	4.43	117	60469	46.35	ng		93
28) 1,2-Dichloroethane	4.55	62	37392	60.58	ng		98
29) TAME* (2-methoxy-2-methylb	4.60	73	57833	57.79	ng		96
30) Benzene*	4.56	78	155552	52.67	ng		95
31) Trichloroethene	4.98	95	44599	52.49	ng		87
32) 1,2-Dichloropropane	5.14	63	33795	50.76	ng		87
33) Bromodichloromethane	5.31	83	39485	54.26	ng		98
34) Dibromomethane	5.23	93	13650	59.07	ng		95
35) cis-1,3-Dichloropropene	5.63	75	41579	55.08	ng		92
36) Methyl Isobutyl Ketone	5.70	43	184734	691.19	ng		99
38) Toluene*	5.89	92	116125	53.41	ng		99
39) trans-1,3-Dichloropropene	6.01	75	32193	54.59	ng		97
40) 1,1,2-Trichloroethane	6.16	83	17207	58.72	ng		89
41) 2-Hexanone	6.31	43	120702	693.91	ng		95

Quantitation Report (QT Reviewed)

Data Path : E:\data\111313\
Data File : CCV2.D
Acq On : 13 Nov 2013 12:39 pm
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 14:53:38 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

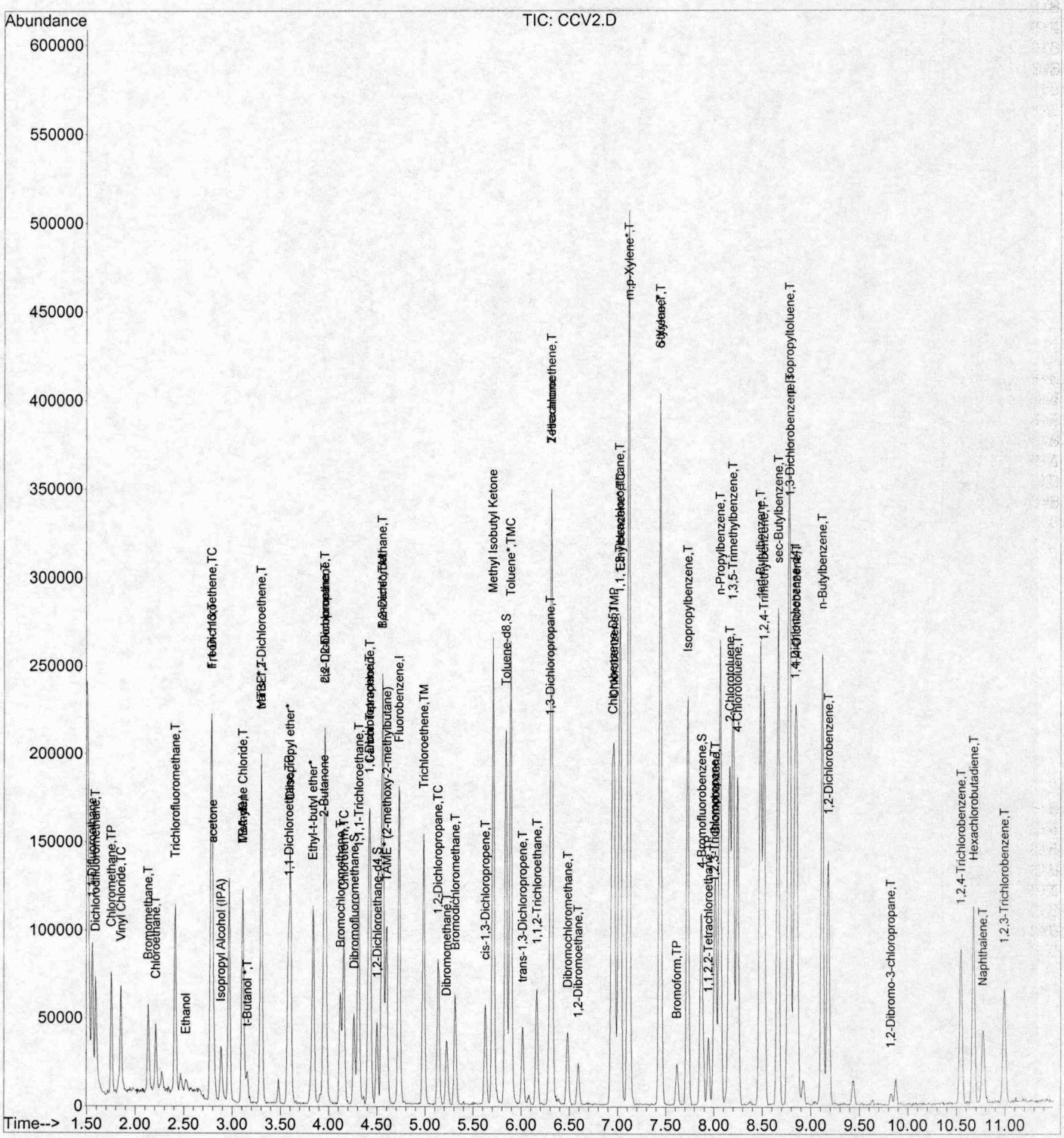
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,2-Dibromoethane	6.59	107	18251	56.96	ng		99
44) 1,3-Dichloropropane	6.29	76	34760	54.07	ng		96
45) Tetrachloroethene	6.31	164	41889	45.93	ng		94
46) Dibromochloromethane	6.48	129	27043	55.22	ng		94
47) Chlorobenzene	6.97	112	108005	48.19	ng		96
48) Ethylbenzene*	7.03	106	57443	48.63	ng		91
49) 1,1,1,2-Tetrachloroethane	7.01	131	36091	49.71	ng		93
50) m,p-Xylene*	7.11	106	159333	101.32	ng		95
51) o-Xylene*	7.44	106	70115	50.82	ng		94
52) Styrene	7.44	104	104101	52.23	ng		92
53) Bromoform	7.62	173	13062	56.70	ng		89
56) Isopropylbenzene	7.73	105	173922	49.34	ng		99
57) 1,1,2,2-Tetrachloroethane	7.94	83	21730	51.29	ng		80
58) 1,2,3-Trichloropropane	8.00	75	20578	54.00	ng		89
59) n-Propylbenzene	8.06	91	233368	49.94	ng		99
60) Bromobenzene	8.01	156	42403	49.80	ng		88
61) 1,3,5-Trimethylbenzene	8.19	105	165403	51.13	ng		98
62) 2-Chlorotoluene	8.16	91	151375	50.31	ng		97
63) 4-Chlorotoluene	8.24	91	135244	50.19	ng		93
64) tert-Butylbenzene	8.48	119	165472	47.69	ng		98
65) 1,2,4-Trimethylbenzene	8.51	105	157853	51.68	ng		93
66) sec-Butylbenzene	8.66	105	221924	49.82	ng		99
67) p-Isopropyltoluene	8.77	119	191803	52.35	ng		93
68) 1,3-Dichlorobenzene	8.79	146	99437	50.23	ng		96
69) 1,4-Dichlorobenzene	8.85	146	94372	50.25	ng		96
70) n-Butylbenzene	9.12	91	160477	49.13	ng		98
71) 1,2-Dichlorobenzene	9.18	146	81028	50.58	ng		94
72) 1,2-Dibromo-3-chloropropan	9.83	75	2813	68.88	ng		90
73) 1,2,4-Trichlorobenzene	10.55	180	40902	51.88	ng		98
74) Hexachlorobutadiene	10.67	225	25912	42.38	ng		89
75) Naphthalene	10.78	128	50743	56.38	ng		98
76) 1,2,3-Trichlorobenzene	11.00	180	29688	51.62	ng		95
78) Ethanol	2.52	45	7768	1895.64	ng	#	100
79) Isopropyl Alcohol (IPA)	2.88	45	38069	1584.44	ng	#	100
80) t-Butanol *	3.16	59	18335m	415.72	ng		

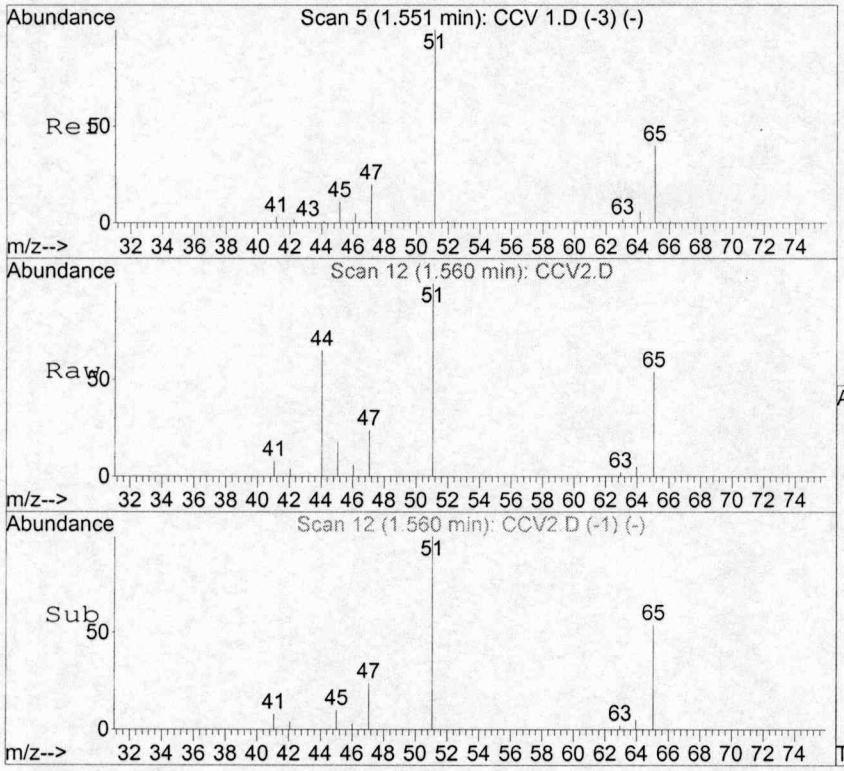
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111313\
Data File : CCV2.D
Acq On : 13 Nov 2013 12:39 pm
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 14:53:38 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

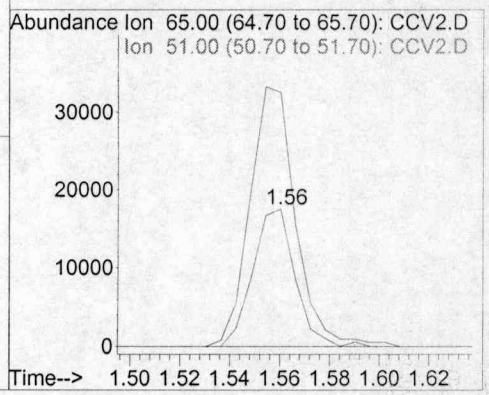


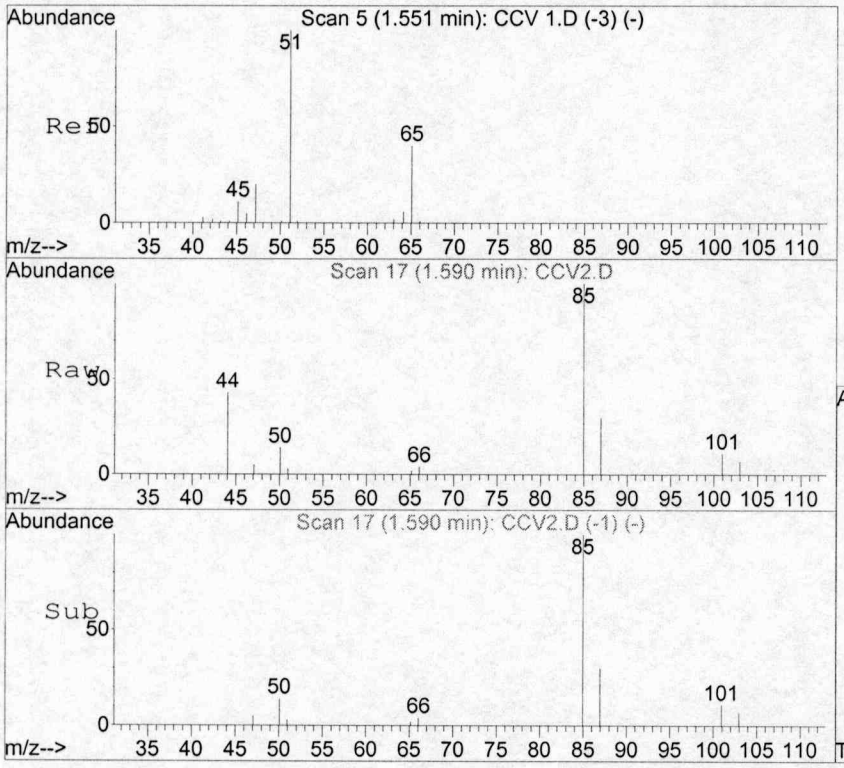


#2
1,1-Difluoroethane
Concen: 42.85 ng
RT: 1.56 min Scan# 12
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 65 Resp: 20526

Ion	Ratio	Lower	Upper
65	100		
51	185.6	181.2	271.8

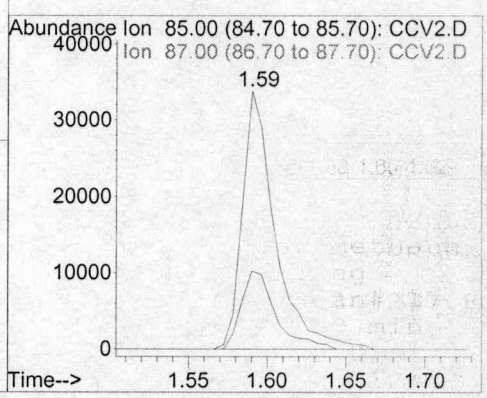


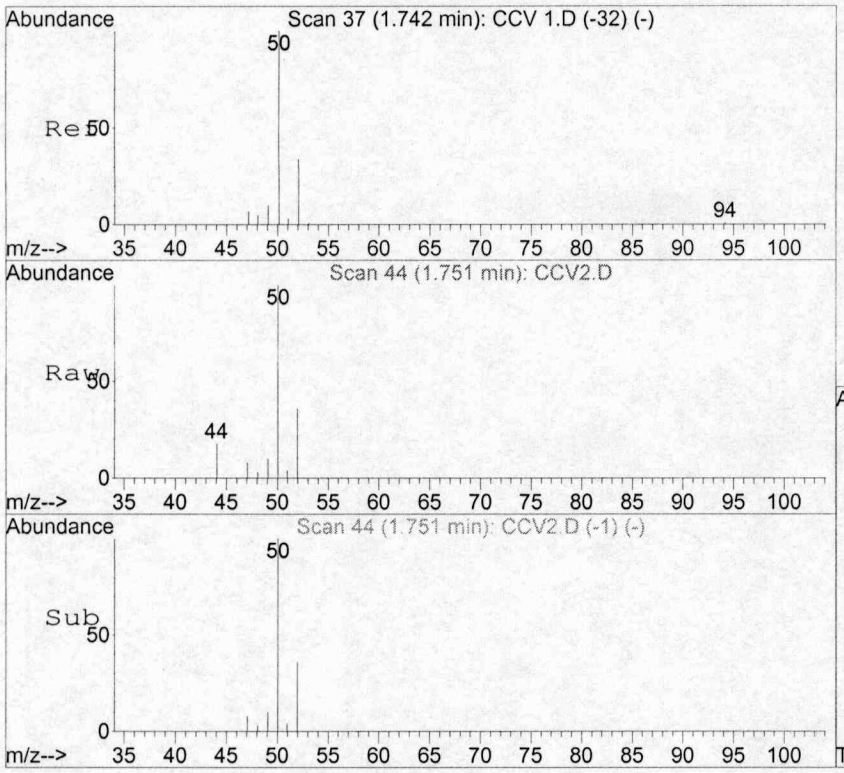


#3
Dichlorodifluoromethane
Concen: 46.11 ng
RT: 1.59 min Scan# 17
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 85 Resp: 48805

Ion	Ratio	Lower	Upper
85	100		
87	30.3	5.1	65.1

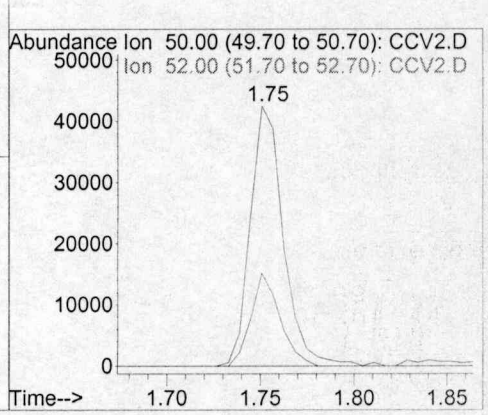


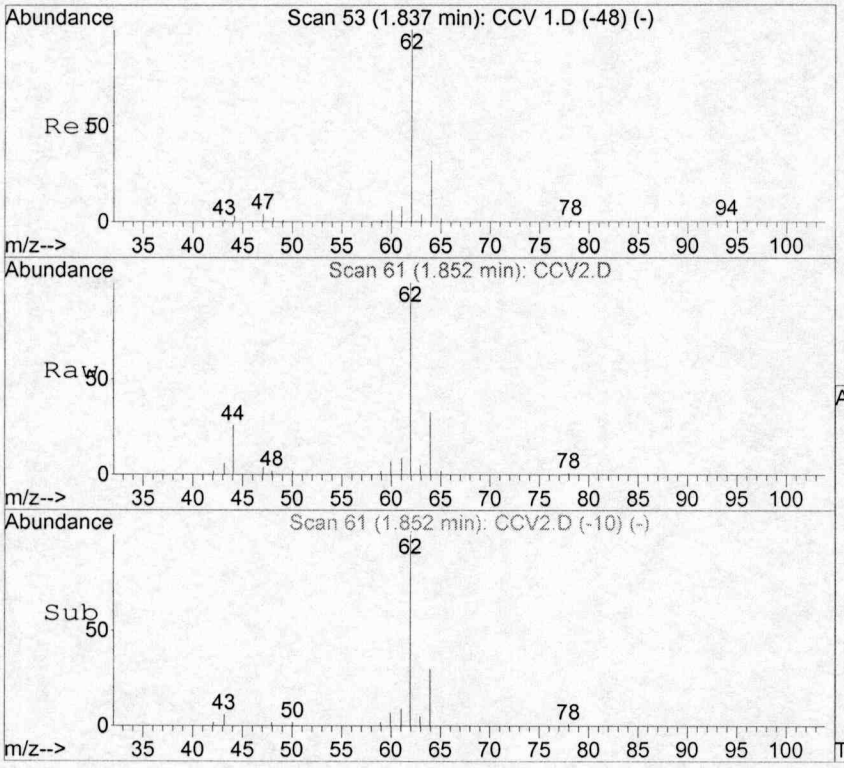


#4
Chloromethane
Concen: 41.40 ng
RT: 1.75 min Scan# 44
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 50 Resp: 52193

Ion	Ratio	Lower	Upper
50	100		
52	35.7	2.3	62.3

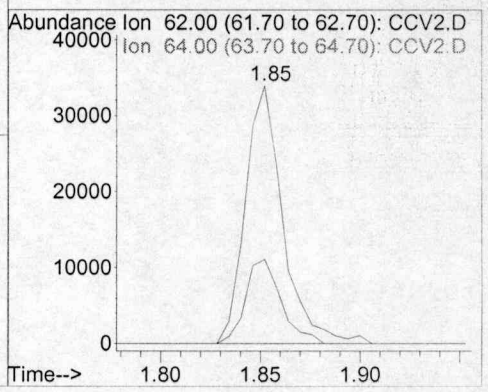


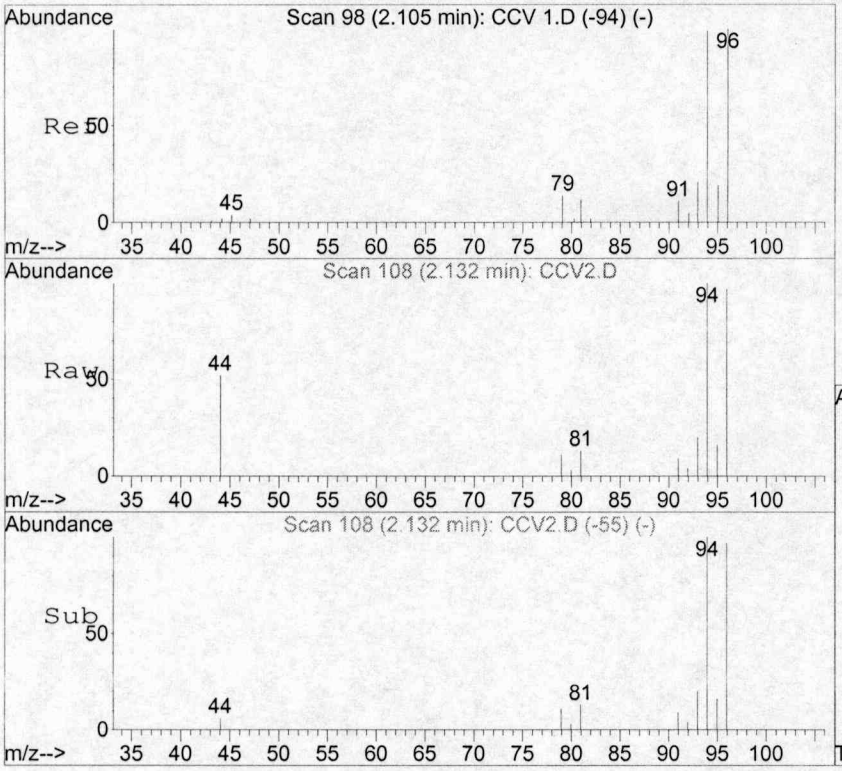


#5
Vinyl Chloride
Concen: 45.81 ng
RT: 1.85 min Scan# 61
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 62 Resp: 44259

Ion	Ratio	Lower	Upper
62	100		
64	32.7	0.0	58.4

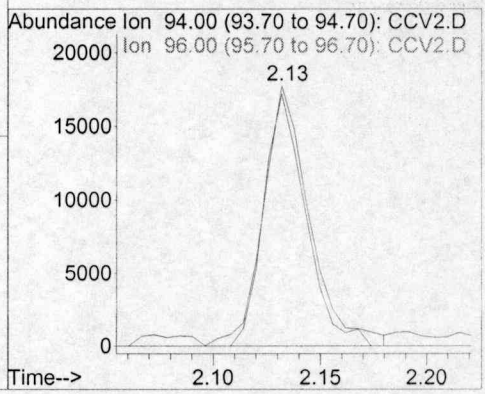


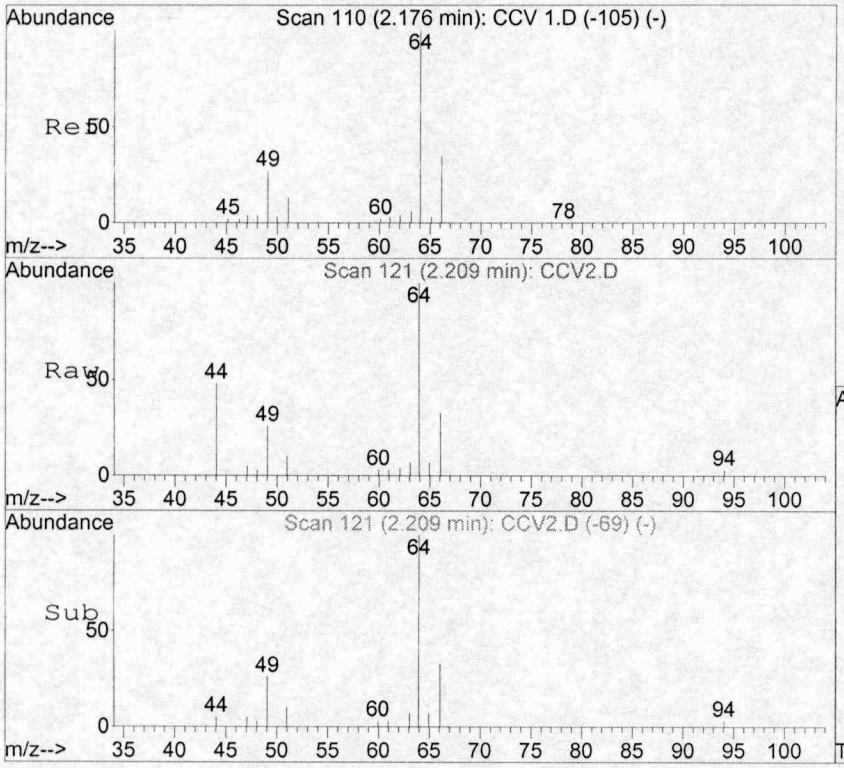


#6
Bromomethane
Concen: 45.25 ng
RT: 2.13 min Scan# 108
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 94 Resp: 26615

Ion	Ratio	Lower	Upper
94	100		
96	96.9	54.5	114.5

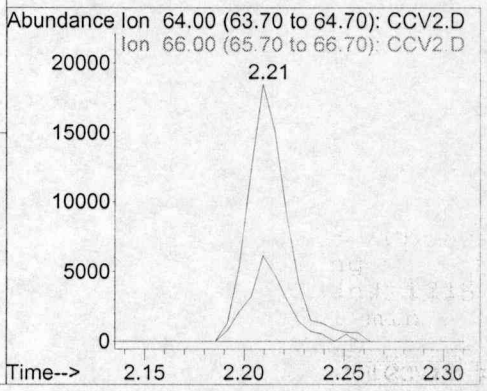


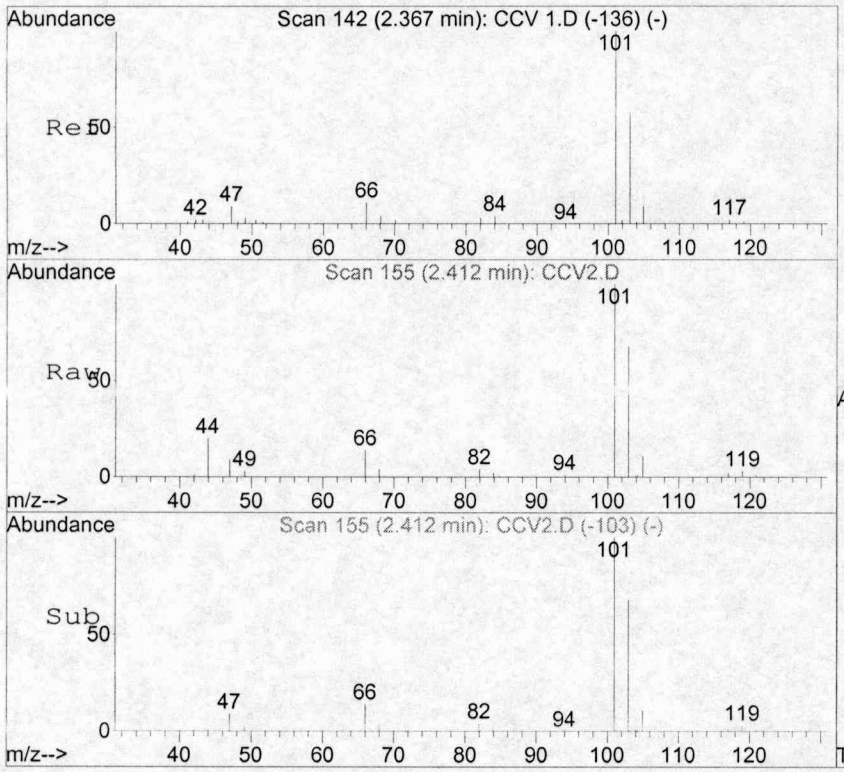


#7
Chloroethane
Concen: 43.58 ng
RT: 2.21 min Scan# 121
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 64 Resp: 25281

Ion	Ratio	Lower	Upper
64	100		
66	33.2	0.0	58.7

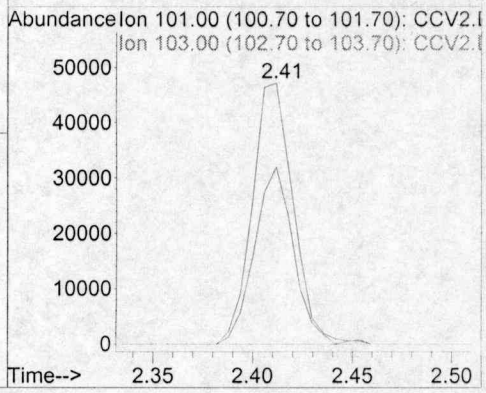


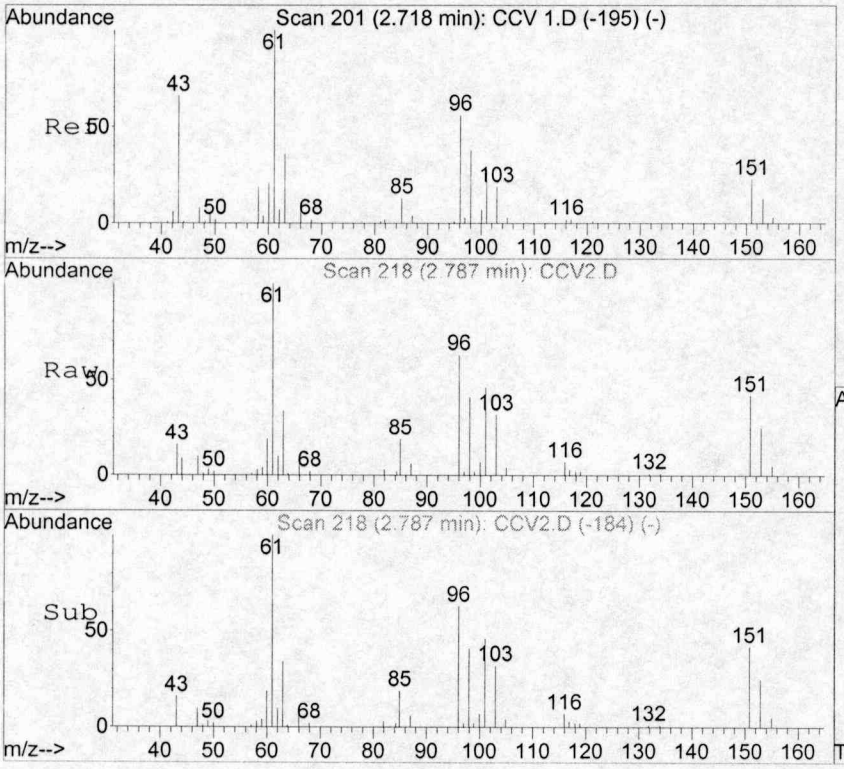


#8
Trichlorofluoromethane
Concen: 47.67 ng
RT: 2.41 min Scan# 155
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:101 Resp: 67013

Ion	Ratio	Lower	Upper
101	100		
103	67.8	33.2	93.2

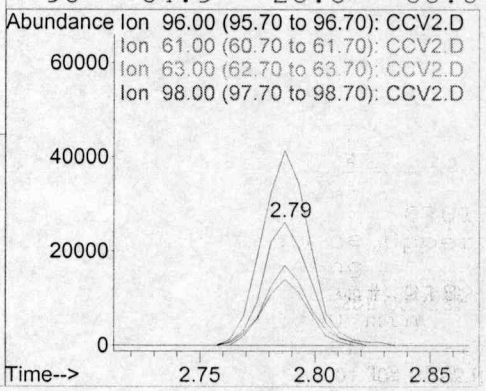


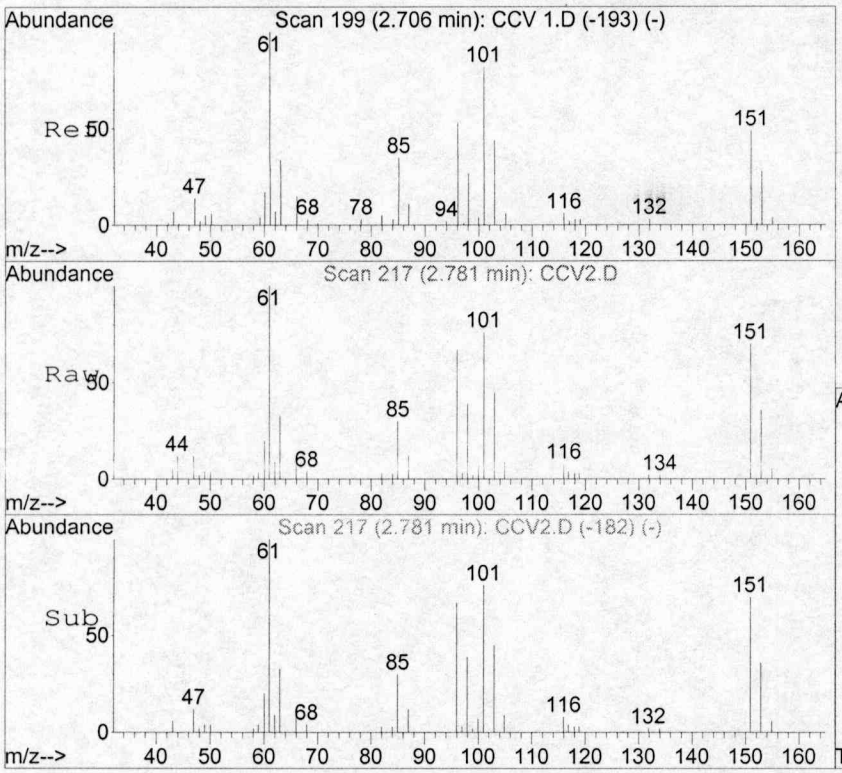


#9
1,1-Dichloroethene
Concen: 49.64 ng
RT: 2.79 min Scan# 218
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 96 Resp: 36712

Ion	Ratio	Lower	Upper
96	100		
61	158.2	139.2	199.2
63	53.6	18.9	78.9
98	64.9	28.8	88.8

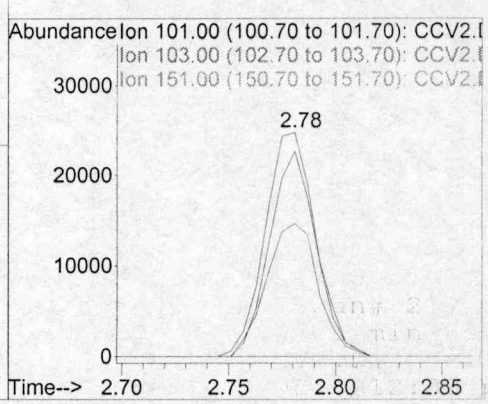


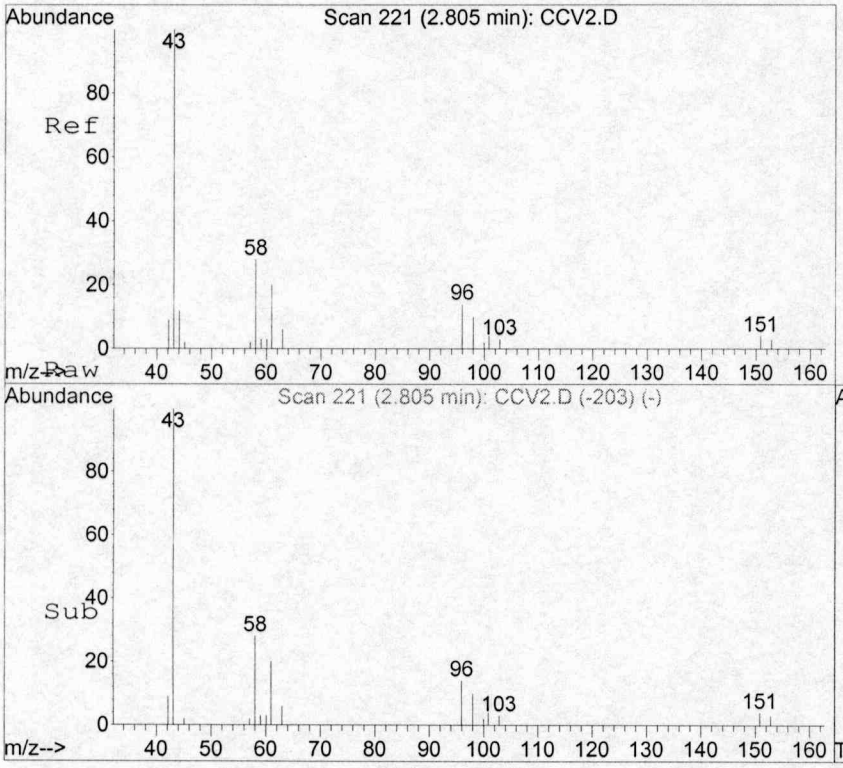


#10
Freon-113
Concen: 46.09 ng
RT: 2.78 min Scan# 217
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:101 Resp: 40134

Ion	Ratio	Lower	Upper
101	100		
103	59.2	32.5	92.5
151	91.5	60.9	120.9

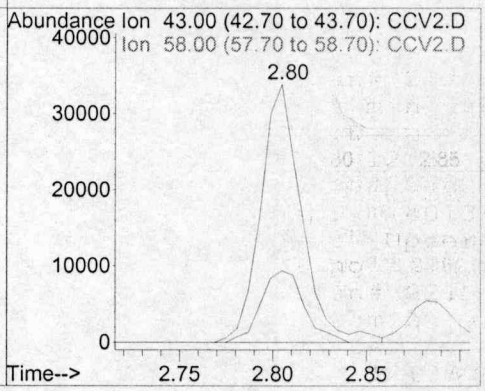


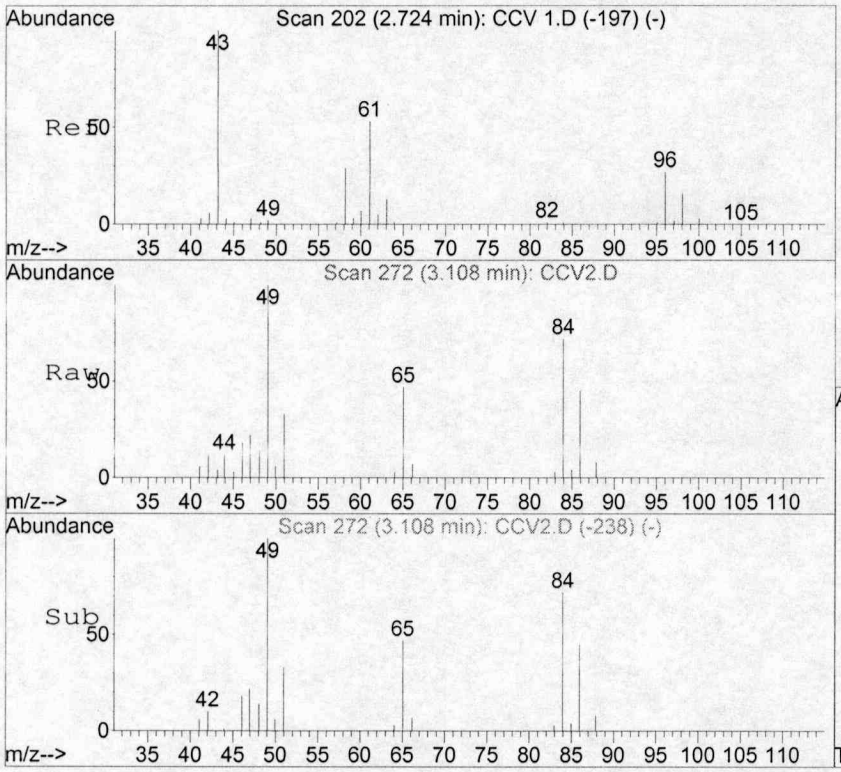


#11
acetone
Concen: 374.31 ng
RT: 2.80 min Scan# 221
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 43 Resp: 51419

Ion	Ratio	Lower	Upper
43	100		
58	27.6	24.4	36.6

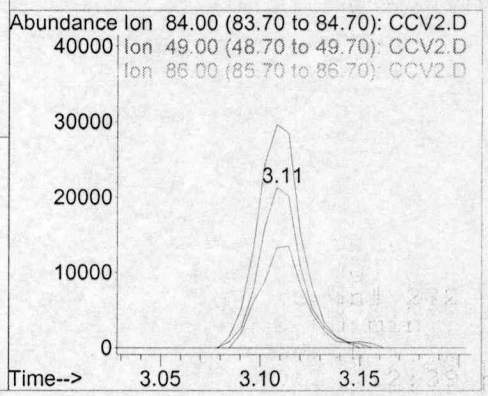


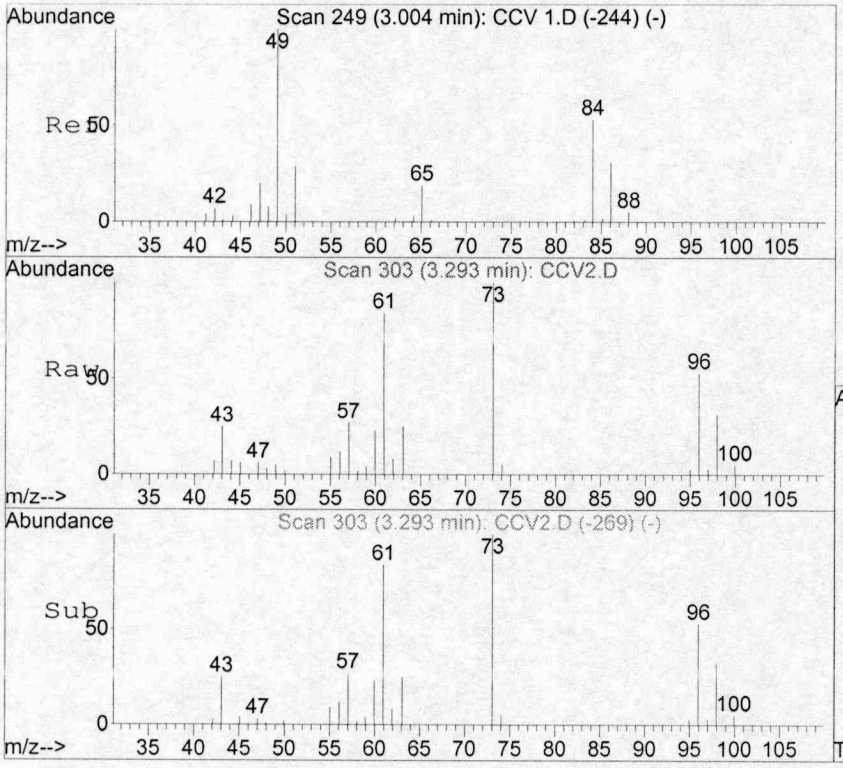


#12
Methylene Chloride
Concen: 50.96 ng
RT: 3.11 min Scan# 272
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 84 Resp: 32062

Ion	Ratio	Lower	Upper
84	100		
49	139.0	134.9	194.9
86	62.5	33.0	93.0

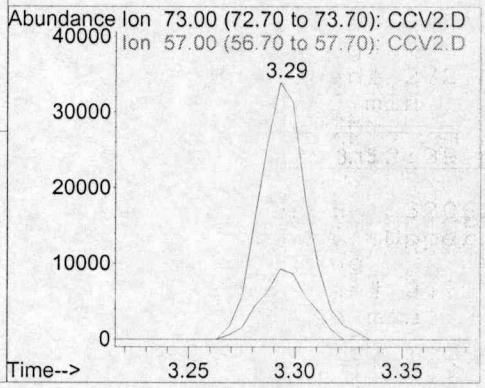


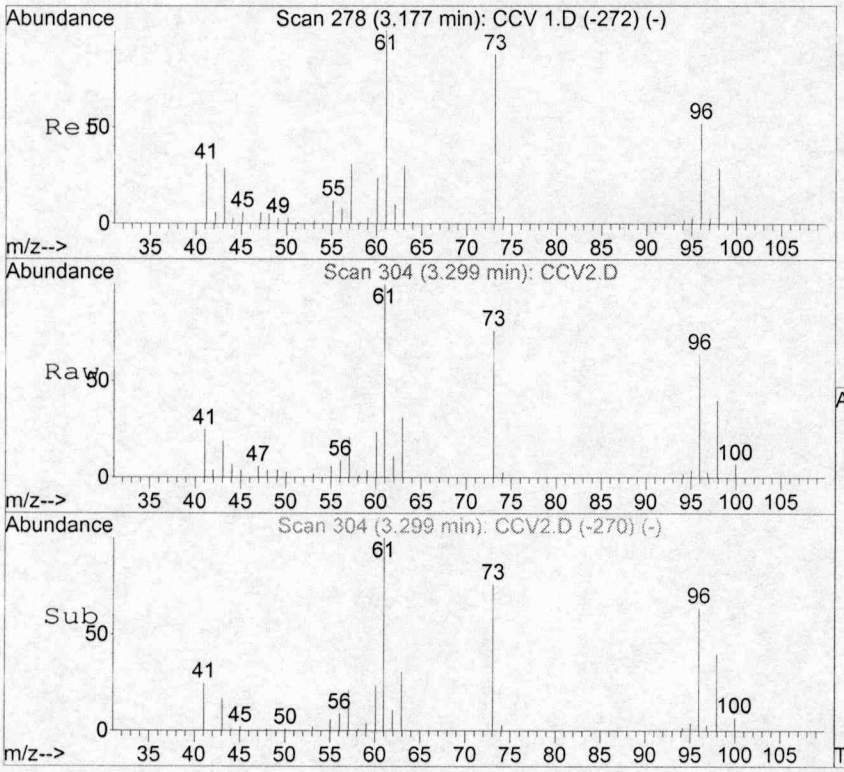


#13
MTBE*
Concen: 61.58 ng
RT: 3.29 min Scan# 303
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 73 Resp: 53158

Ion	Ratio	Lower	Upper
73	100		
57	27.3	0.0	58.3

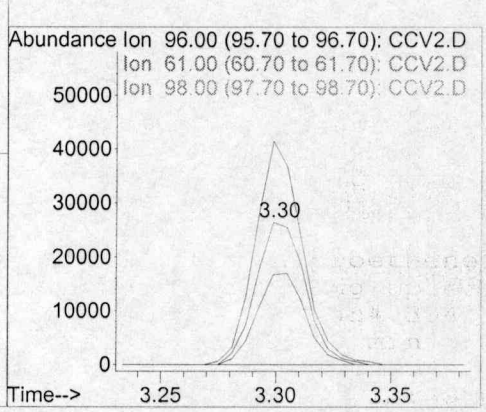


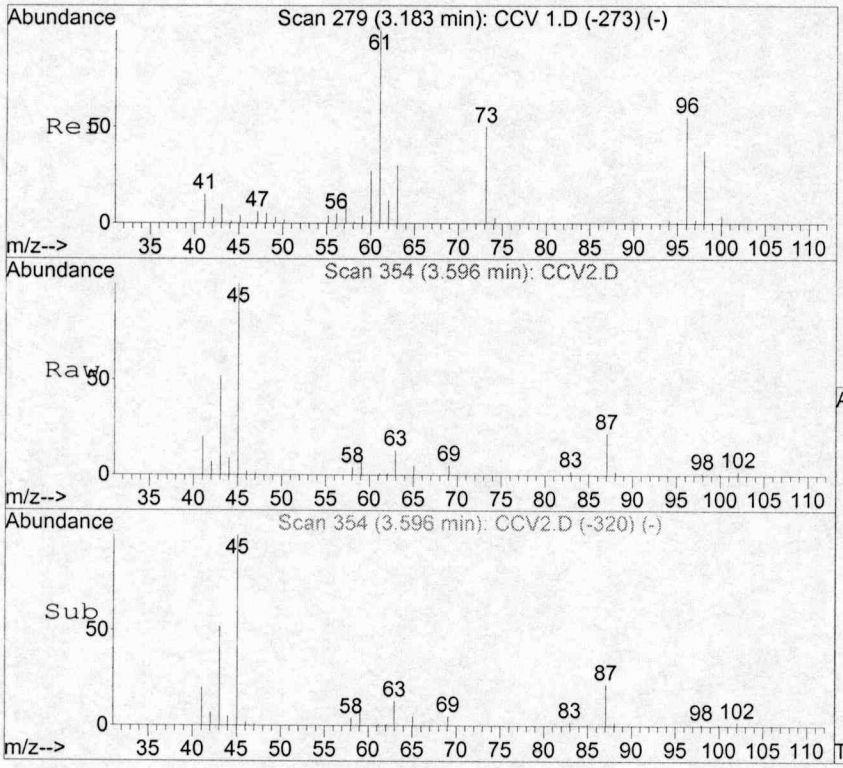


#14
trans-1,2-Dichloroethene
Concen: 49.82 ng
RT: 3.30 min Scan# 304
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 96 Resp: 39584

Ion	Ratio	Lower	Upper
96	100		
61	157.0	122.9	182.9
98	63.3	40.0	100.0

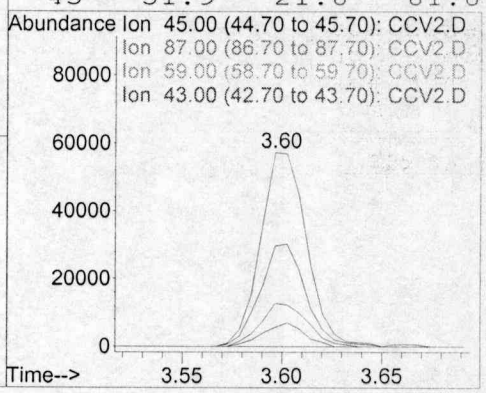


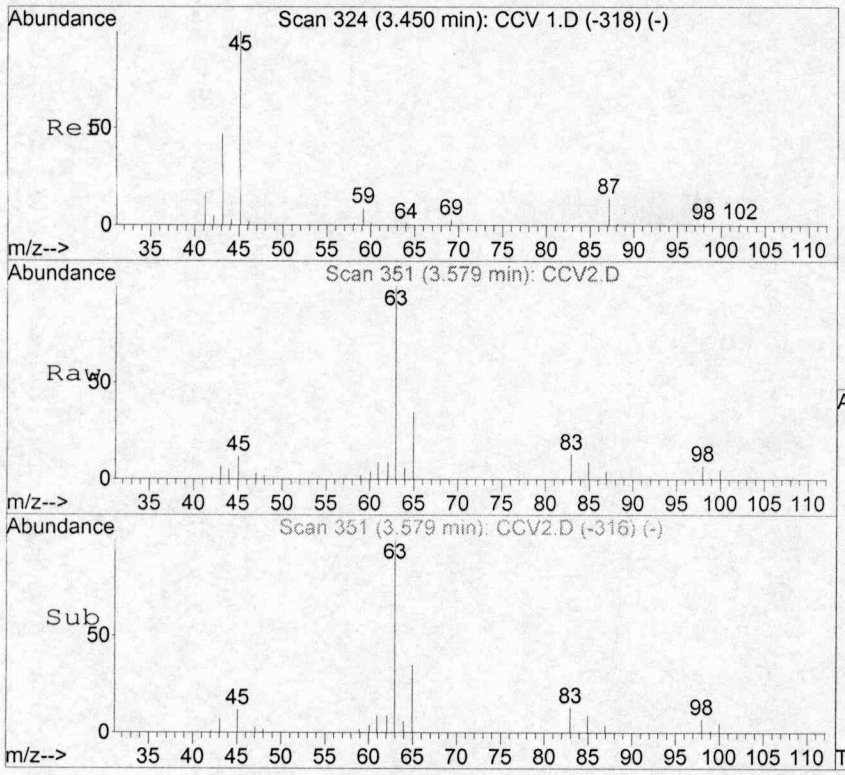


#15
Diisopropyl ether*
Concen: 49.41 ng
RT: 3.60 min Scan# 354
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 45 Resp: 92208

Ion	Ratio	Lower	Upper
45	100		
87	22.3	0.0	52.0
59	9.8	0.0	41.6
43	51.9	21.8	81.8

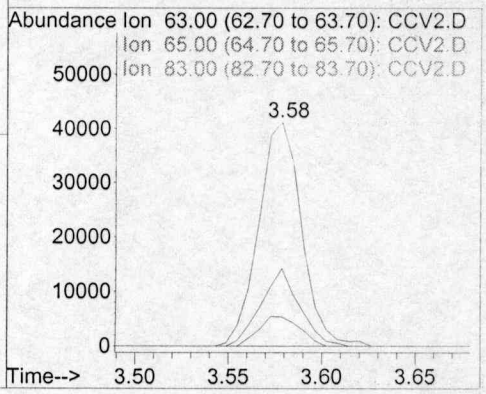


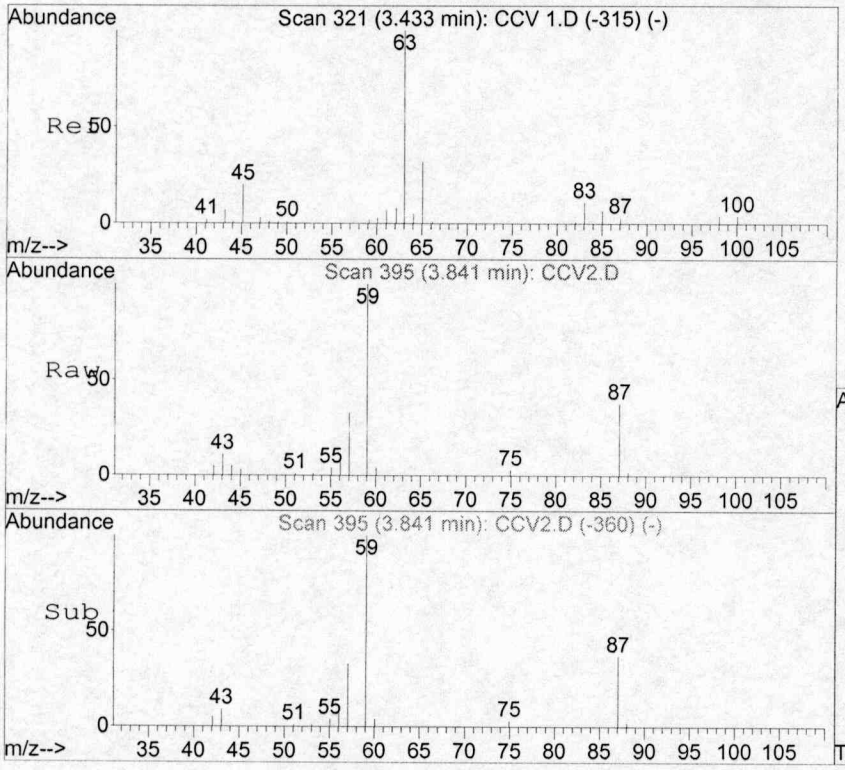


#16
1,1-Dichloroethane
Concen: 46.90 ng
RT: 3.58 min Scan# 351
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 63 Resp: 65421

Ion	Ratio	Lower	Upper
63	100		
65	34.5	0.2	60.2
83	13.0	0.0	43.2

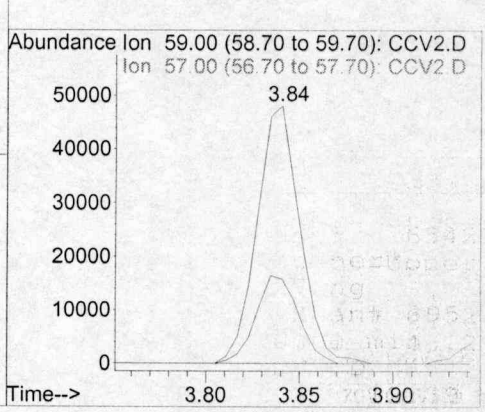


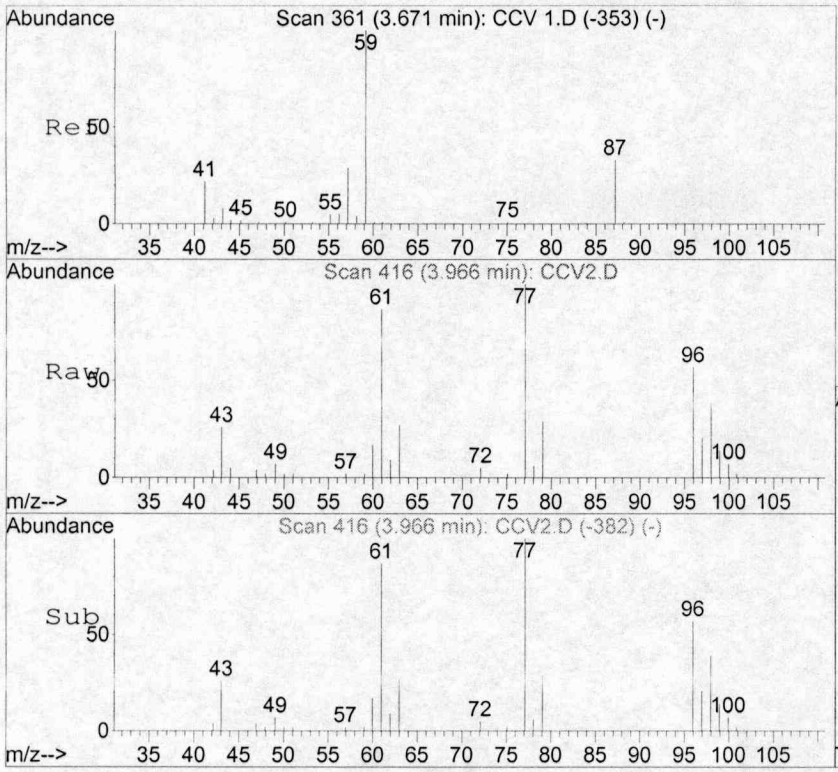


#17
Ethyl-t-butyl ether*
Concen: 49.27 ng
RT: 3.84 min Scan# 395
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 59 Resp: 76729

Ion	Ratio	Lower	Upper
59	100		
57	32.8	3.4	63.4

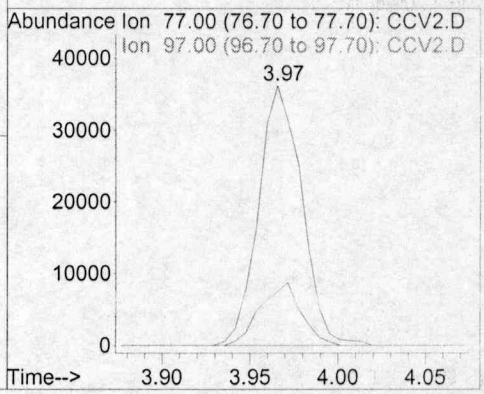


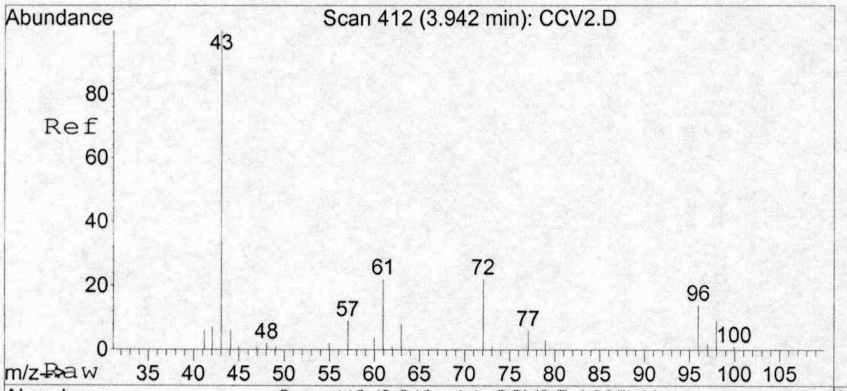


#18
2,2-Dichloropropane
Concen: 52.52 ng
RT: 3.97 min Scan# 416
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 77 Resp: 61729

Ion	Ratio	Lower	Upper
77	100		
97	20.6	0.0	53.0

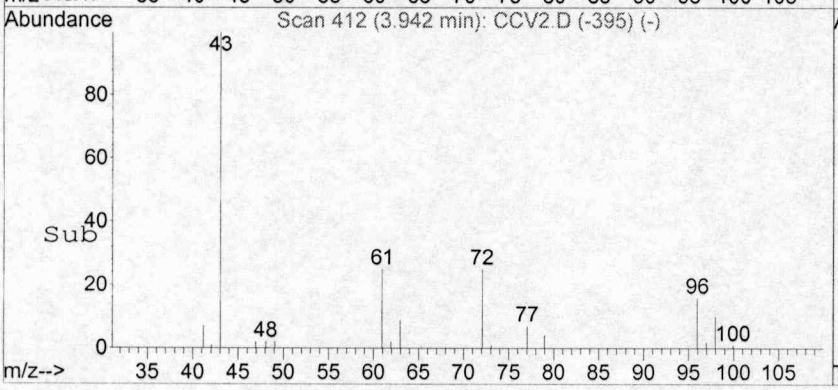


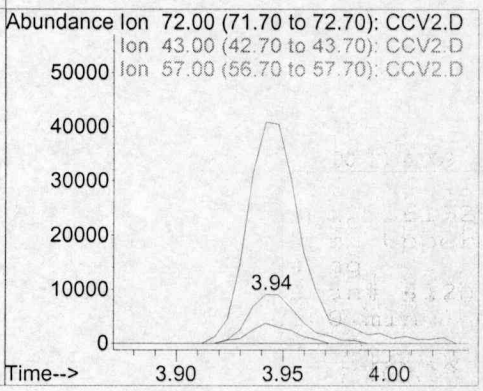


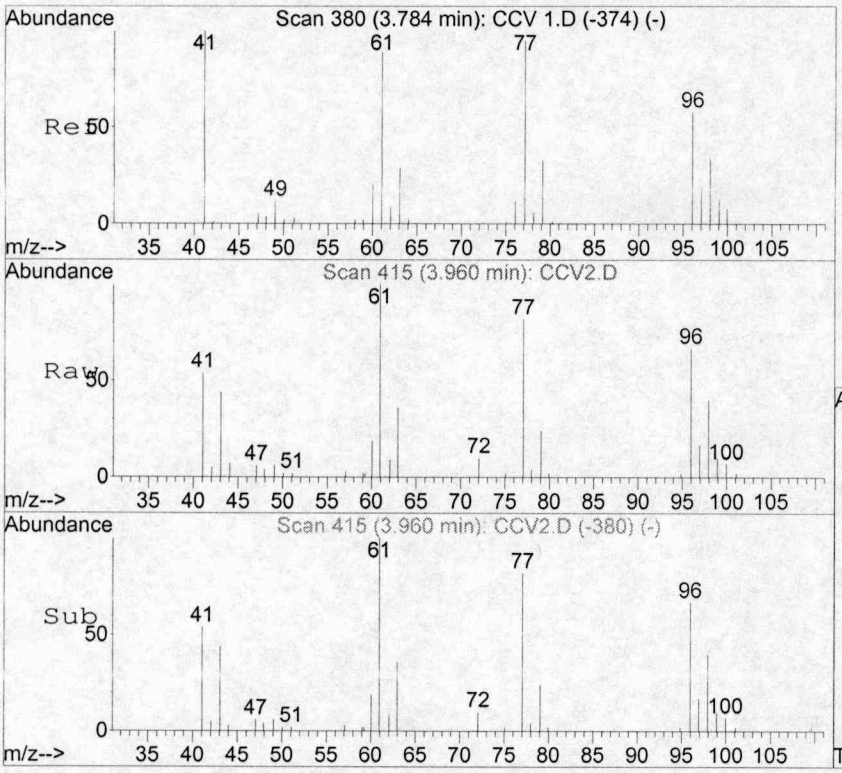
#19
2-Butanone
Concen: 624.94 ng
RT: 3.94 min Scan# 412
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 72 Resp: 15292

Ion	Ratio	Lower	Upper
72	100		
43	451.1	399.7	599.5
57	40.8	31.6	47.4



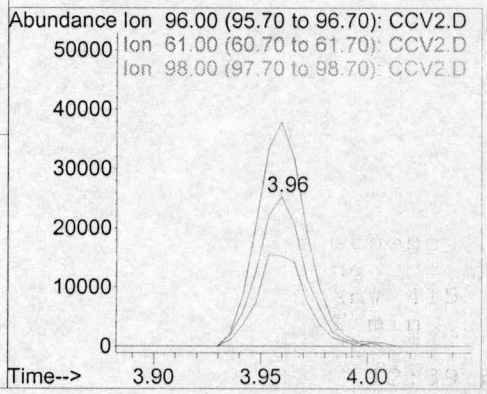


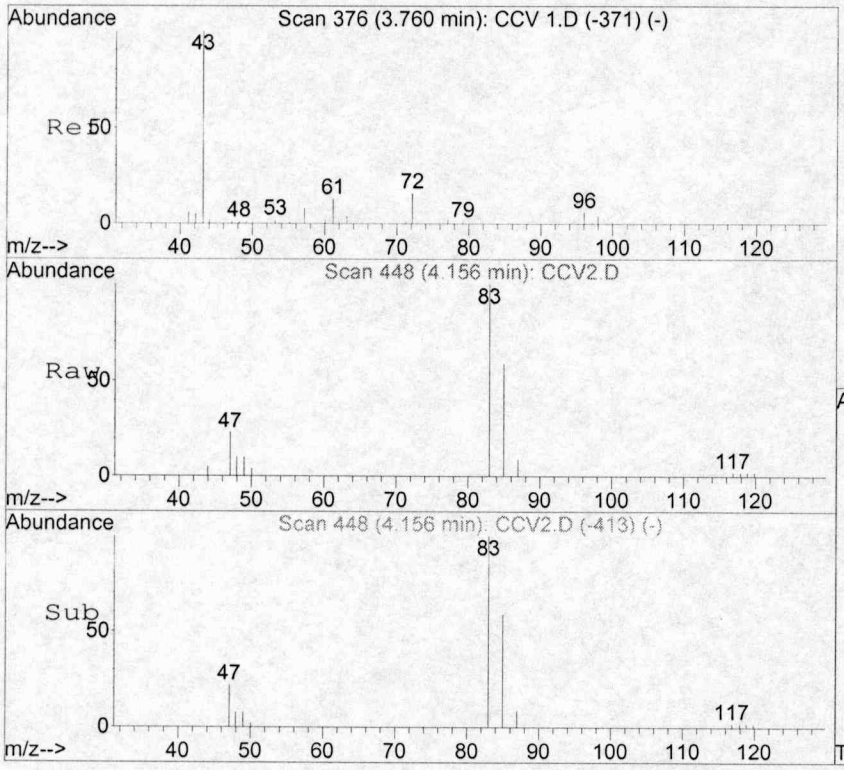


#20
cis-1,2-Dichloroethene
Concen: 50.88 ng
RT: 3.96 min Scan# 415
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 96 Resp: 39470

Ion	Ratio	Lower	Upper
96	100		
61	149.5	131.0	191.0
98	60.4	35.2	95.2

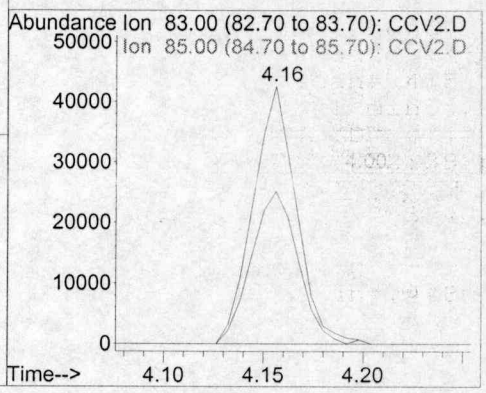


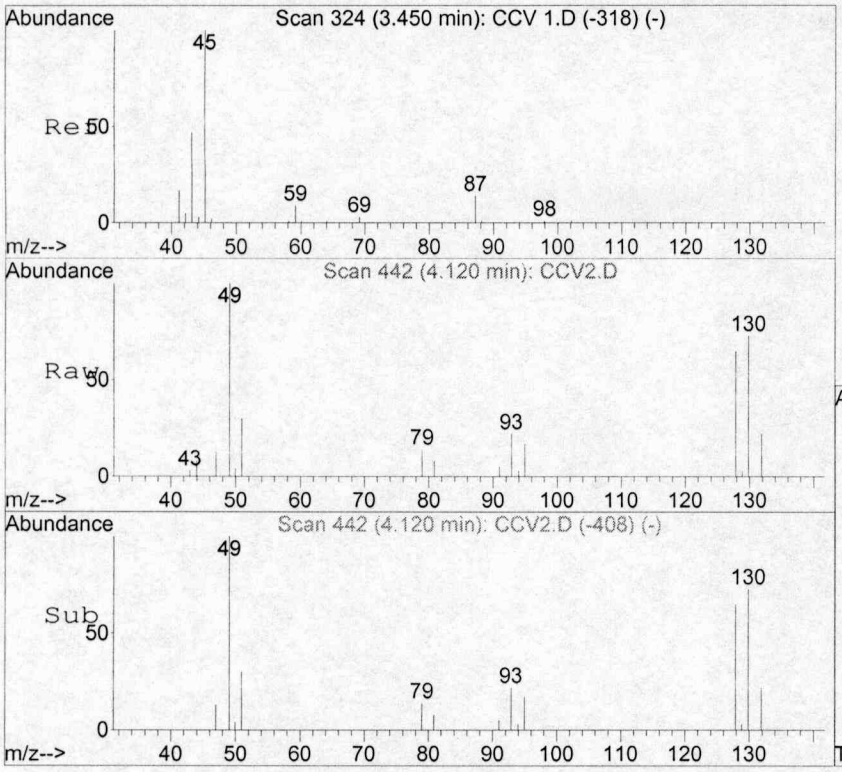


#21
Chloroform
Concen: 52.83 ng
RT: 4.16 min Scan# 448
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 83 Resp: 63889

Ion	Ratio	Lower	Upper
83	100		
85	58.9	40.2	100.2

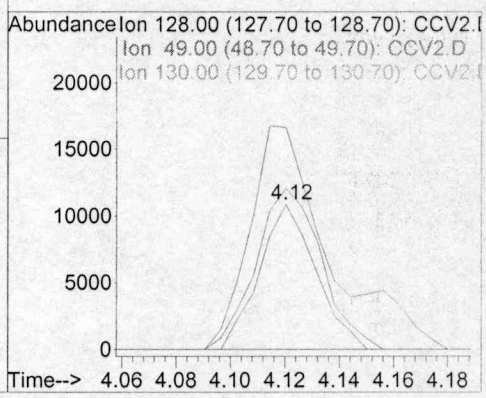


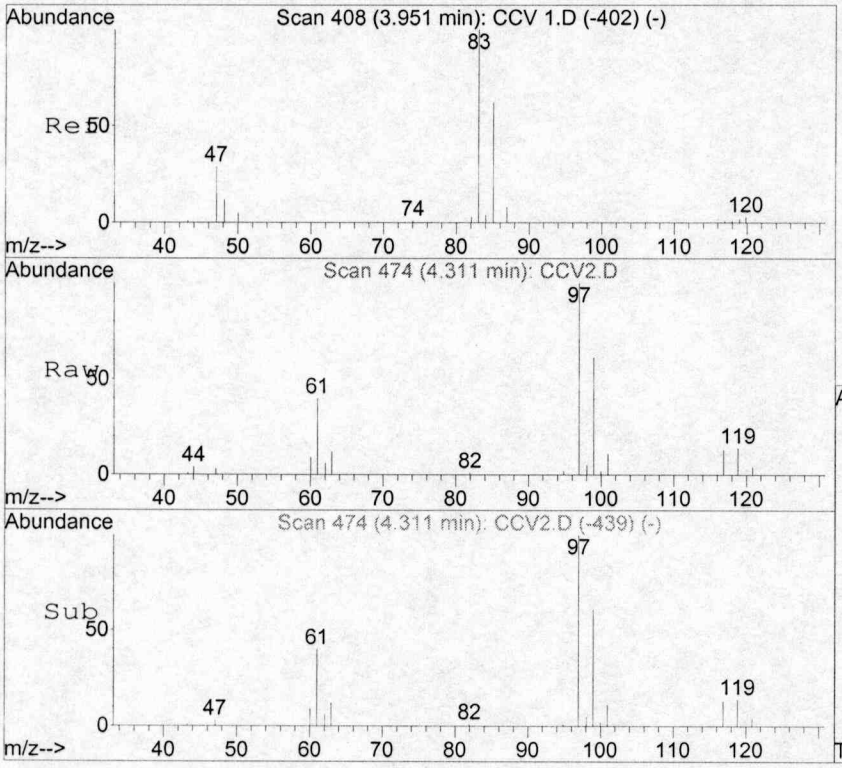


#22
Bromochloromethane
Concen: 52.68 ng
RT: 4.12 min Scan# 442
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:128 Resp: 15644

Ion	Ratio	Lower	Upper
128	100		
49	153.1	156.0	216.0#
130	111.0	89.9	149.9

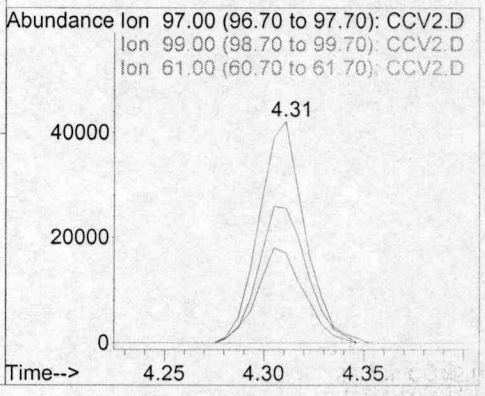


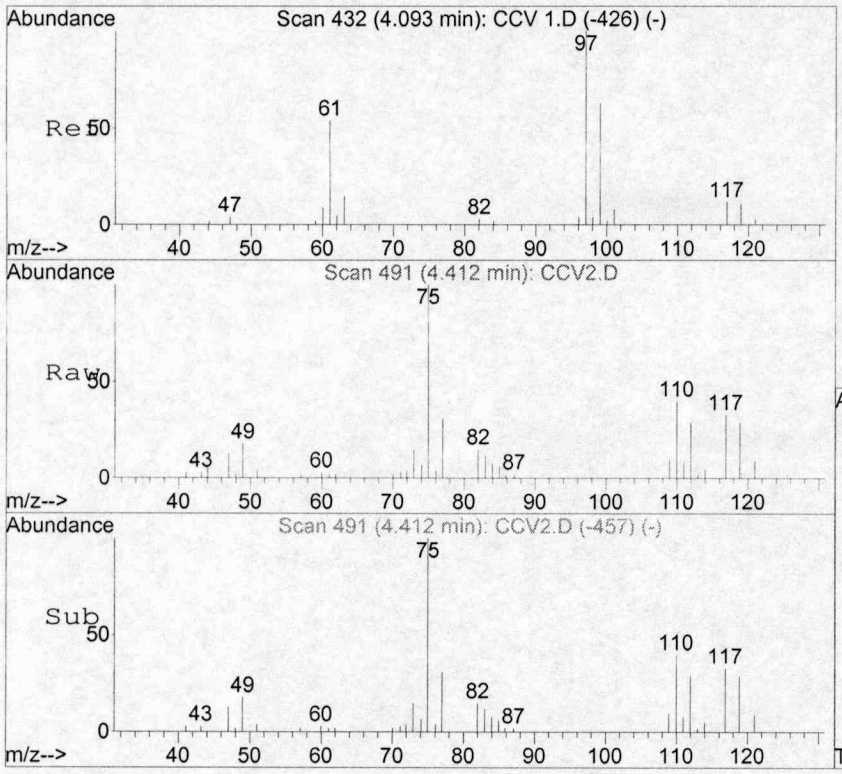


#23
1,1,1-Trichloroethane
Concen: 50.96 ng
RT: 4.31 min Scan# 474
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 97 Resp: 67258

Ion	Ratio	Lower	Upper
97	100		
99	60.7	30.7	90.7
61	40.4	15.9	75.9

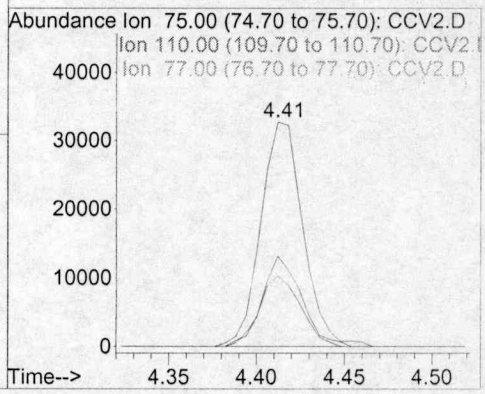


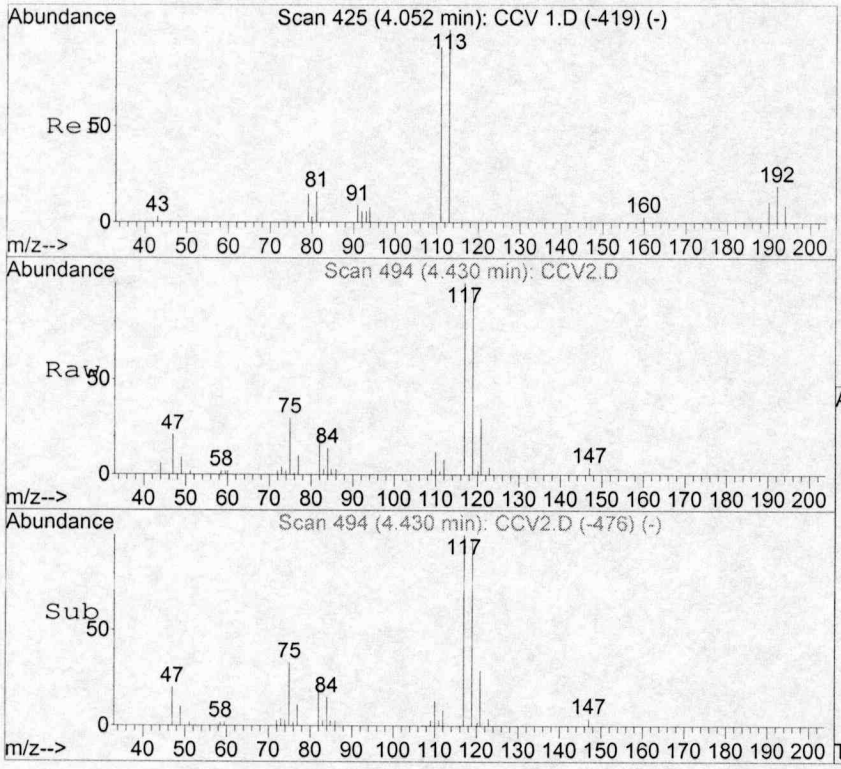


#25
1,1-Dichloropropene
Concen: 51.38 ng
RT: 4.41 min Scan# 491
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 75 Resp: 54583

Ion	Ratio	Lower	Upper
75	100		
110	40.2	5.0	65.0
77	31.4	0.8	60.8

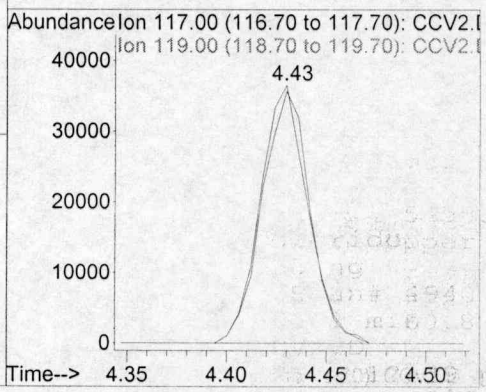


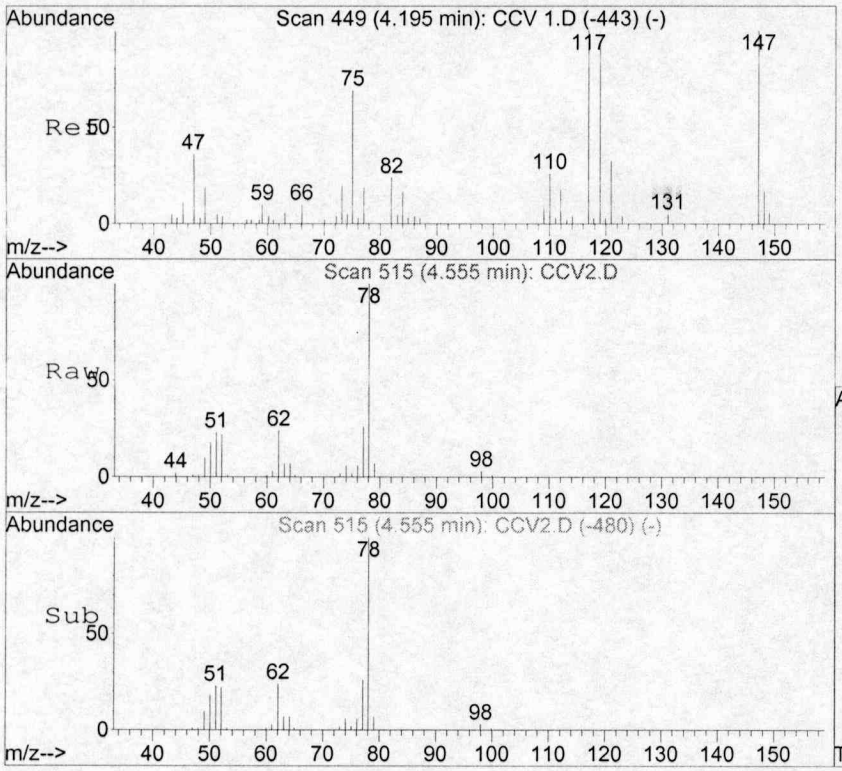


#26
Carbon Tetrachloride
Concen: 46.35 ng
RT: 4.43 min Scan# 494
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:117 Resp: 60469

Ion	Ratio	Lower	Upper
117	100		
119	97.7	60.8	120.8

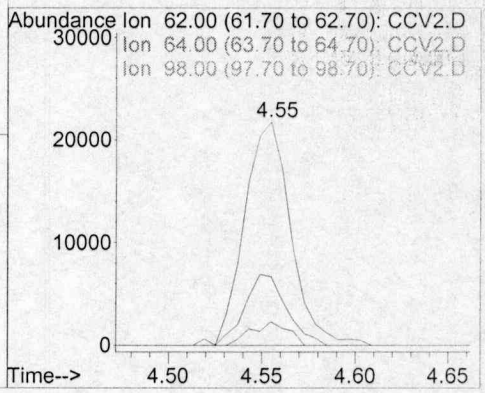


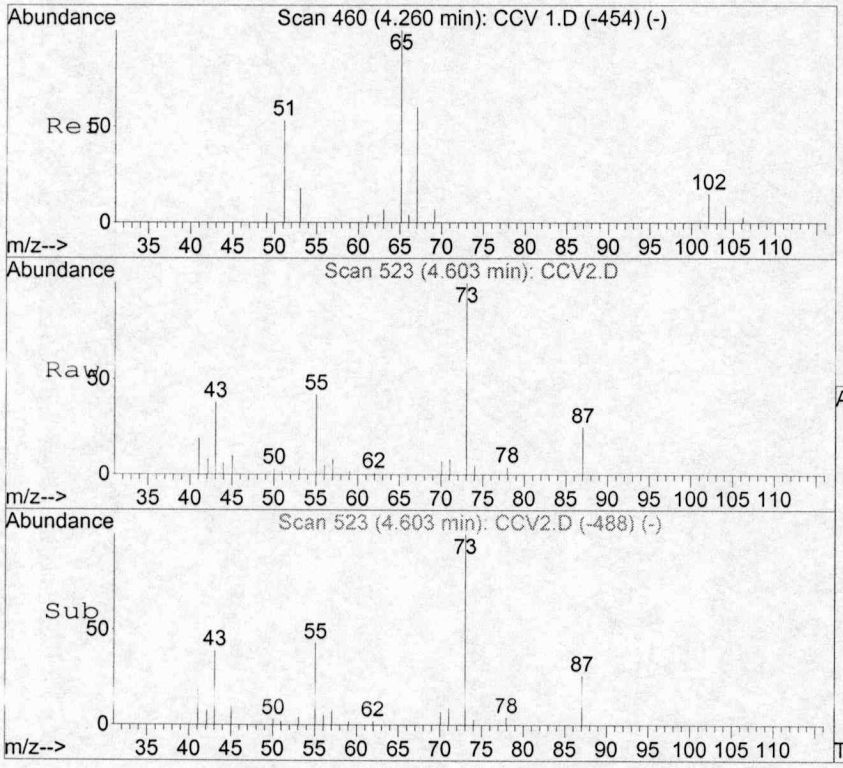


#28
1,2-Dichloroethane
Concen: 60.58 ng
RT: 4.55 min Scan# 515
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 62 Resp: 37392

Ion	Ratio	Lower	Upper
62	100		
64	30.7	0.1	60.1
98	10.6	0.0	41.6

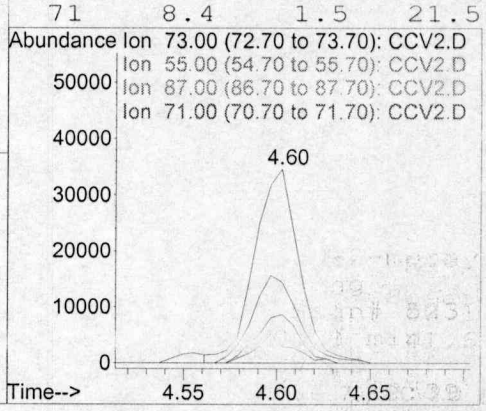


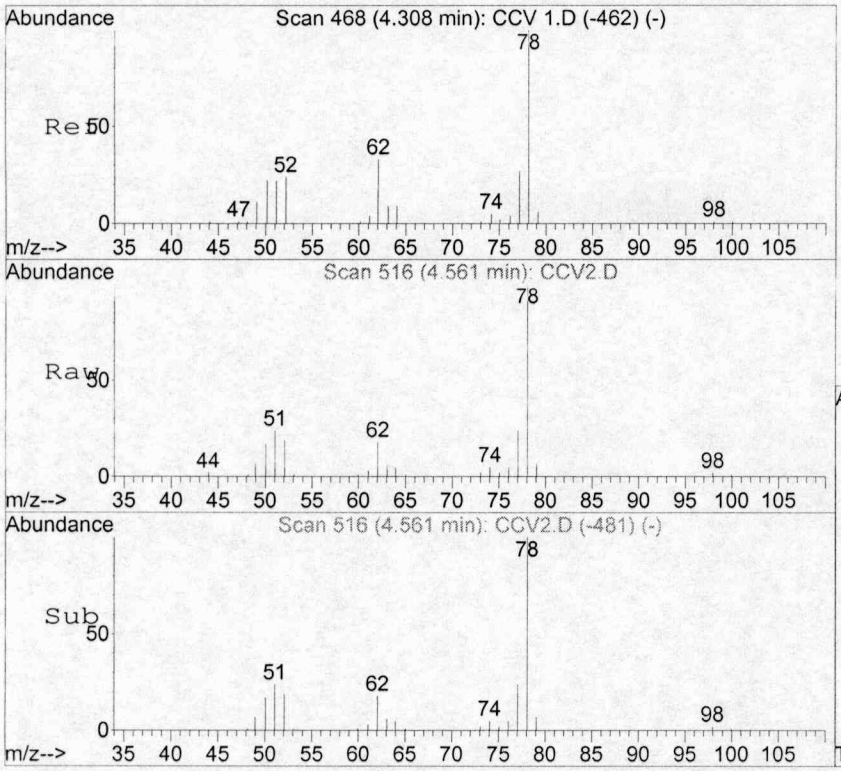


#29
TAME* (2-methoxy-2-methylbutane
Concen: 57.79 ng
RT: 4.60 min Scan# 523
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 73 Resp: 57833

Ion	Ratio	Lower	Upper
73	100		
55	41.8	14.6	74.6
87	25.1	0.0	54.3
71	8.4	1.5	21.5

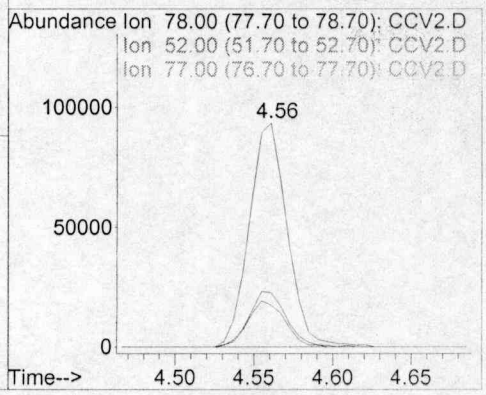


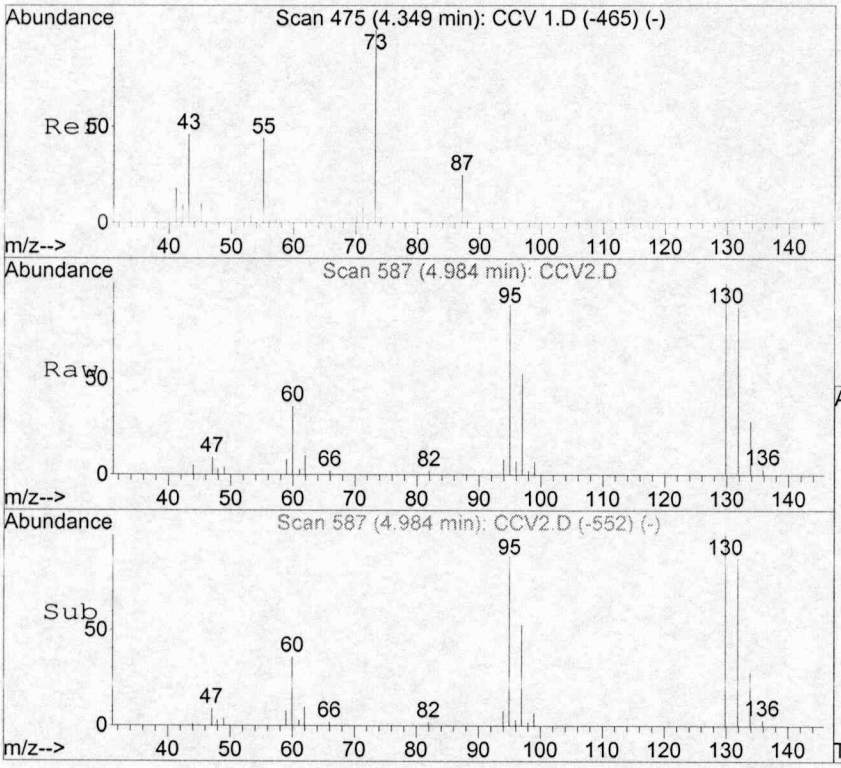


#30
Benzene*
Concen: 52.67 ng
RT: 4.56 min Scan# 516
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 78 Resp: 155552

Ion	Ratio	Lower	Upper
78	100		
52	18.7	3.8	43.8
77	24.3	4.0	44.0

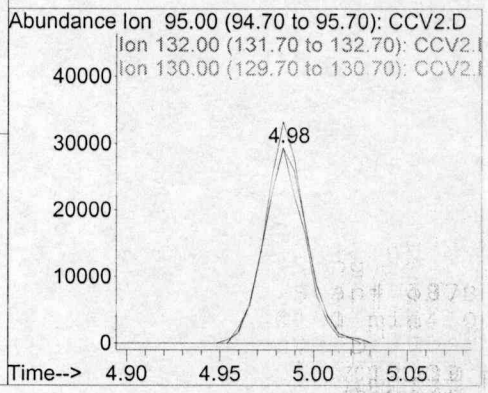


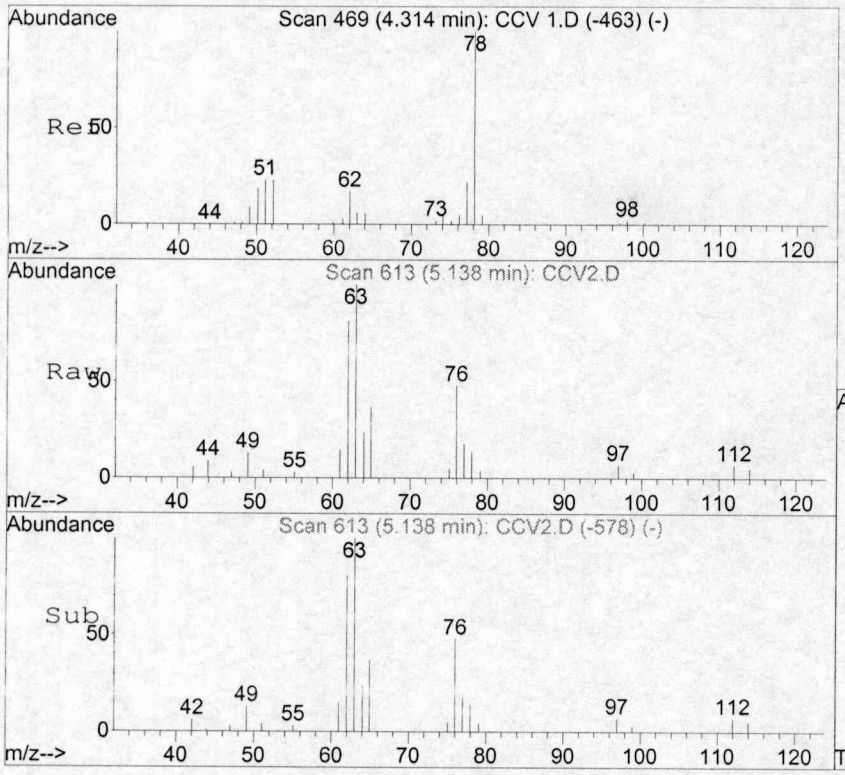


#31
Trichloroethene
Concen: 52.49 ng
RT: 4.98 min Scan# 587
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 95 Resp: 44599

Ion	Ratio	Lower	Upper
95	100		
132	99.6	92.0	152.0
130	113.0	88.9	148.9

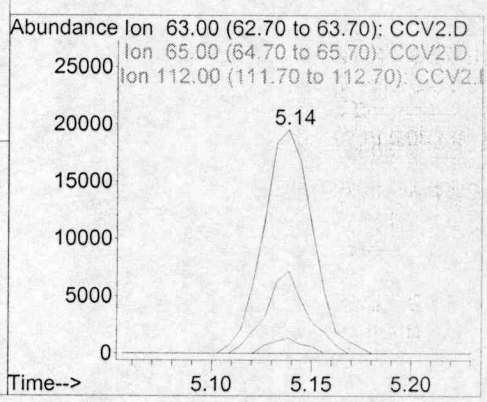


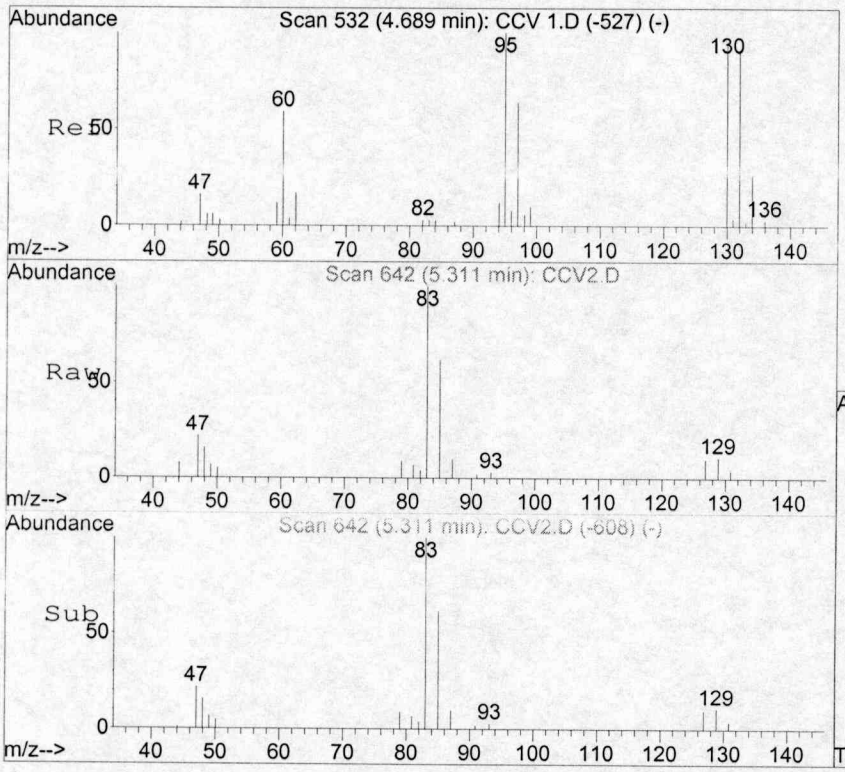


#32
1,2-Dichloropropane
Concen: 50.76 ng
RT: 5.14 min Scan# 613
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 63 Resp: 33795

Ion	Ratio	Lower	Upper
63	100		
65	36.7	0.0	59.5
112	6.9	0.0	34.6

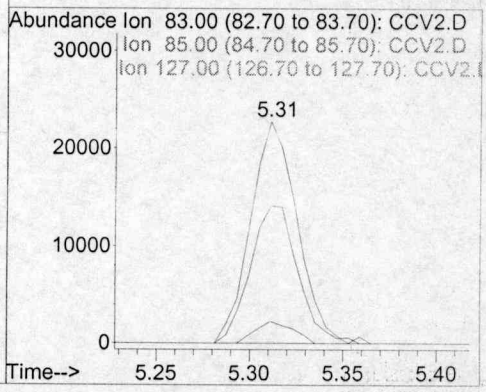


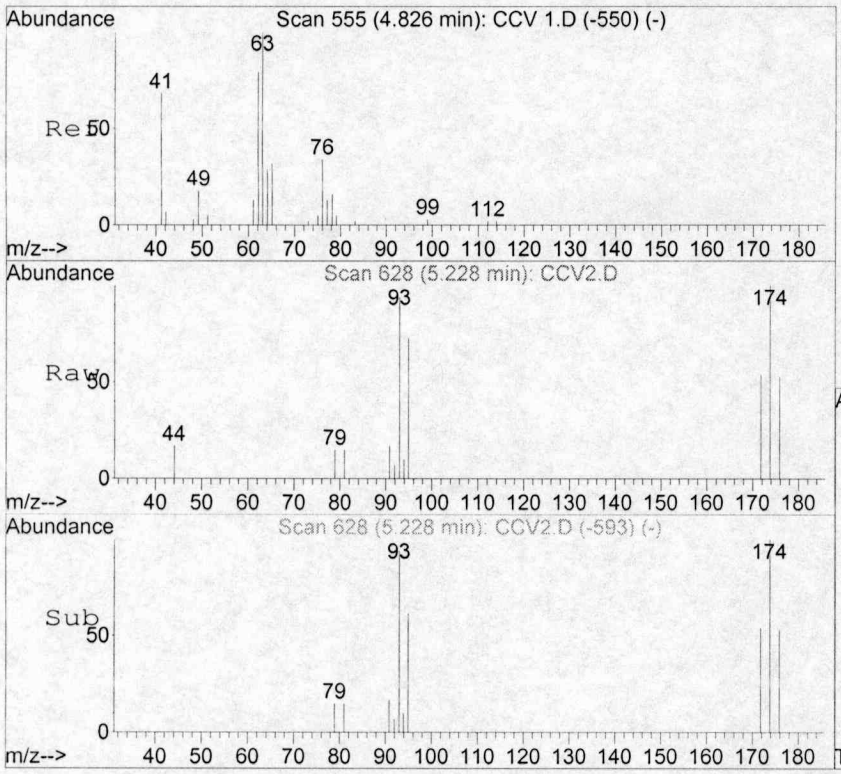


#33
Bromodichloromethane
Concen: 54.26 ng
RT: 5.31 min Scan# 642
Delta R.T. -0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 83 Resp: 39485

Ion	Ratio	Lower	Upper
83	100		
85	62.0	33.6	93.6
127	9.9	0.0	41.0

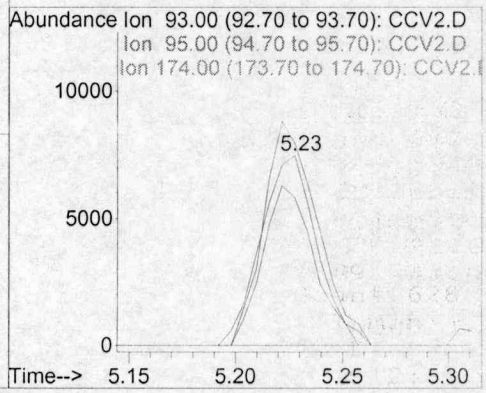


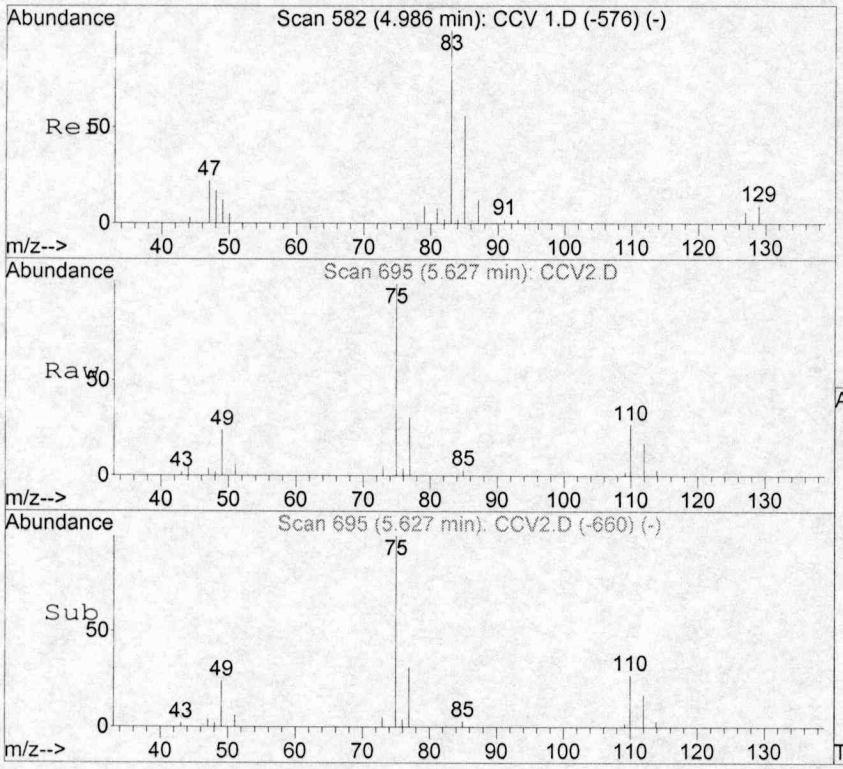


#34
Dibromomethane
Concen: 59.07 ng
RT: 5.23 min Scan# 628
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 93 Resp: 13650

Ion	Ratio	Lower	Upper
93	100		
95	77.8	55.8	115.8
174	106.5	79.1	139.1

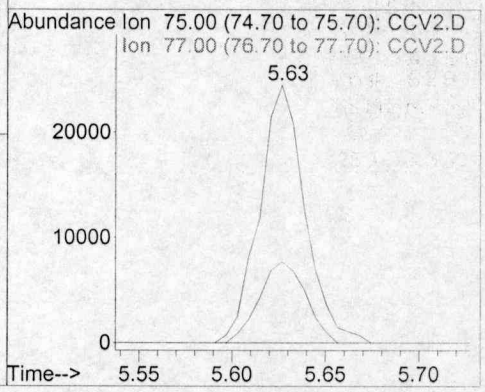


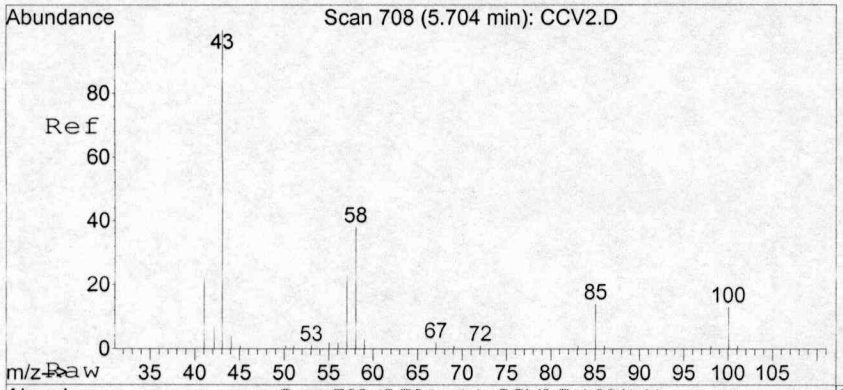


#35
cis-1,3-Dichloropropene
Concen: 55.08 ng
RT: 5.63 min Scan# 695
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 75 Resp: 41579

Ion	Ratio	Lower	Upper
75	100		
77	31.3	0.0	57.2

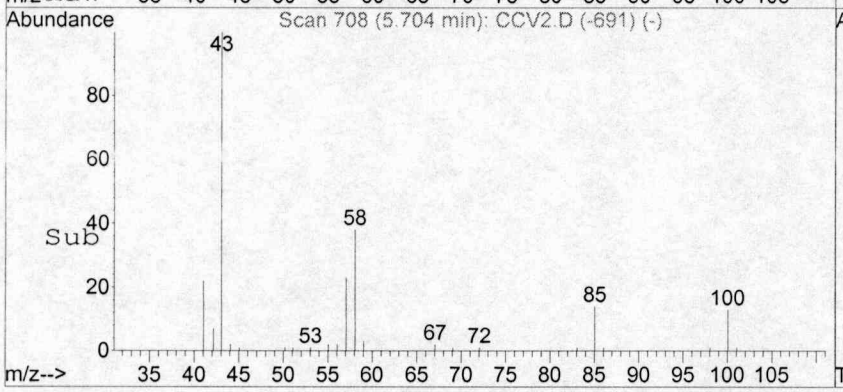


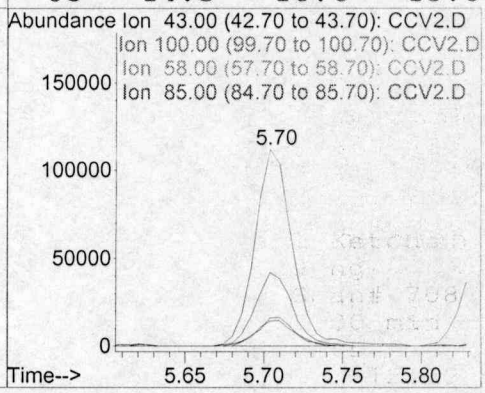


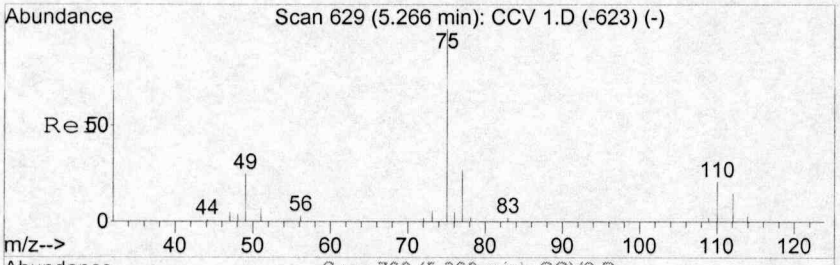
#36
Methyl Isobutyl Ketone
Concen: 691.19 ng
RT: 5.70 min Scan# 708
Delta R.T. -0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 43 Resp: 184734

Ion	Ratio	Lower	Upper
43	100		
100	12.7	9.9	14.9
58	37.6	29.9	44.9
85	14.3	10.6	15.8



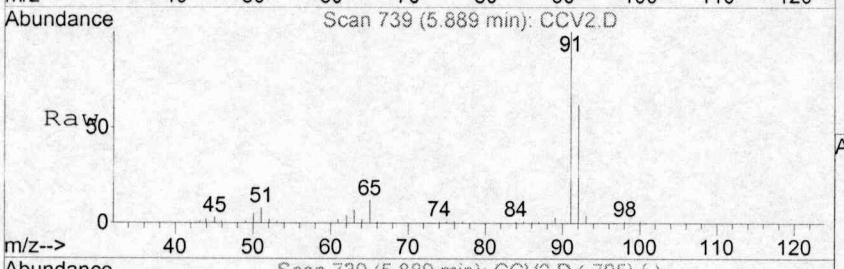


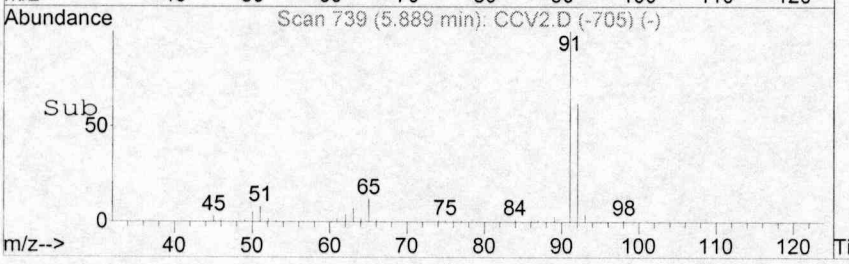


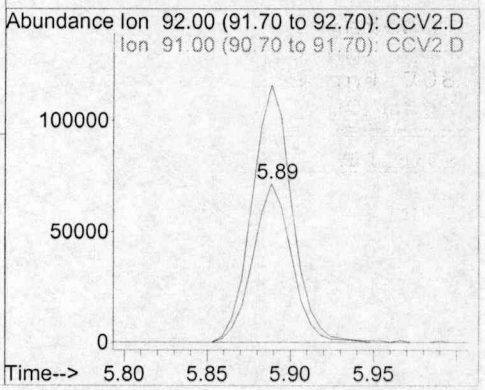
#38
Toluene*
Concen: 53.41 ng
RT: 5.89 min Scan# 739
Delta R.T. -0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

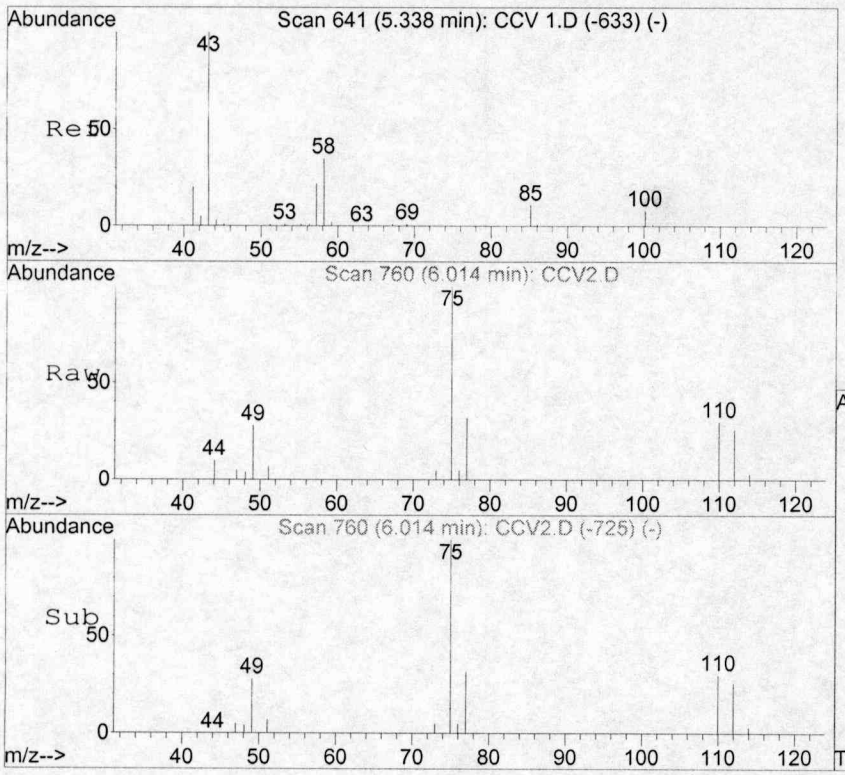
Tgt Ion: 92 Resp: 116125

Ion	Ratio	Lower	Upper
92	100		
91	161.6	130.7	190.7





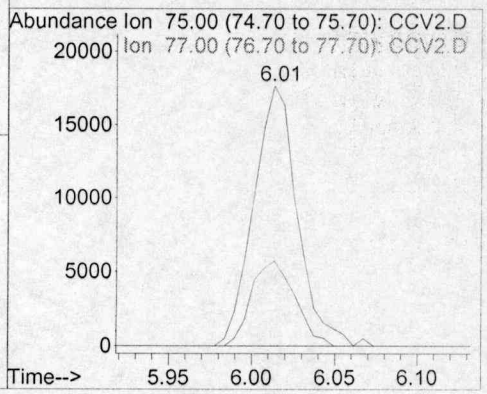


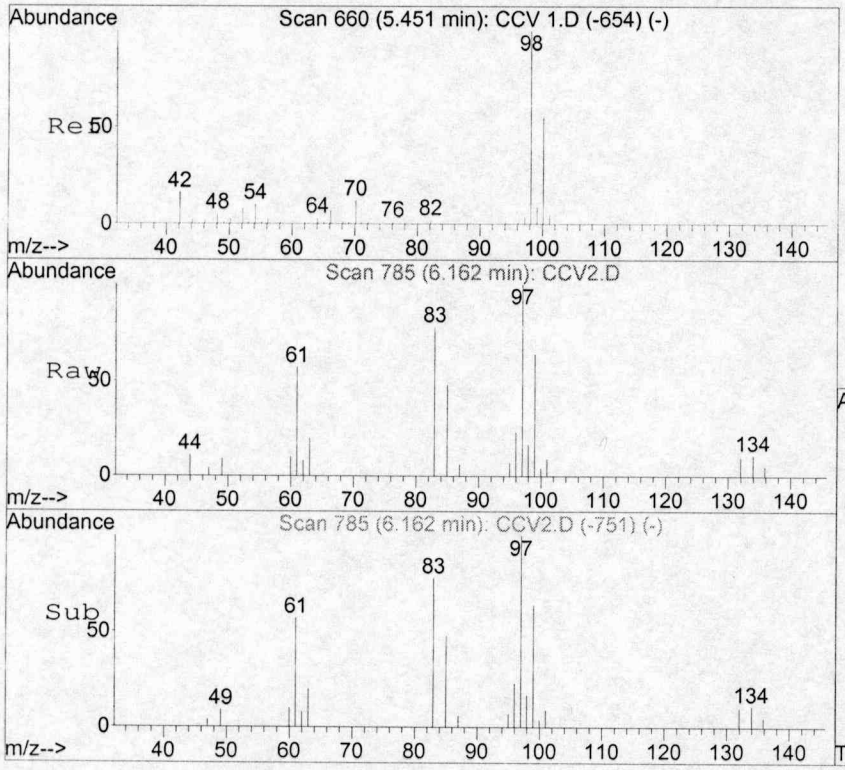


#39
trans-1,3-Dichloropropene
Concen: 54.59 ng
RT: 6.01 min Scan# 760
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 75 Resp: 32193

Ion	Ratio	Lower	Upper
75	100		
77	32.4	0.7	60.7

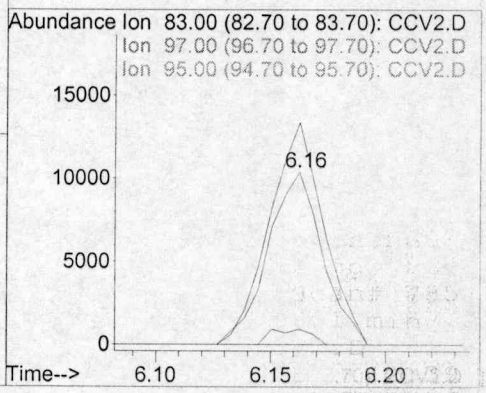


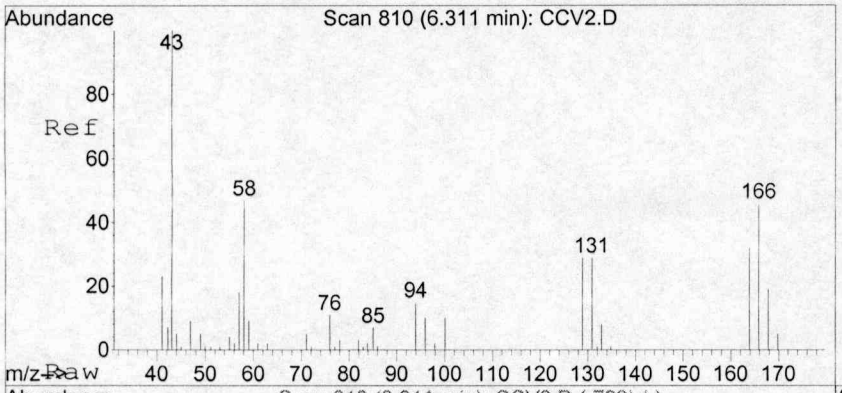


#40
1,1,2-Trichloroethane
Concen: 58.72 ng
RT: 6.16 min Scan# 785
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 83 Resp: 17207

Ion	Ratio	Lower	Upper
83	100		
97	128.7	86.6	146.6
95	9.0	0.0	37.8

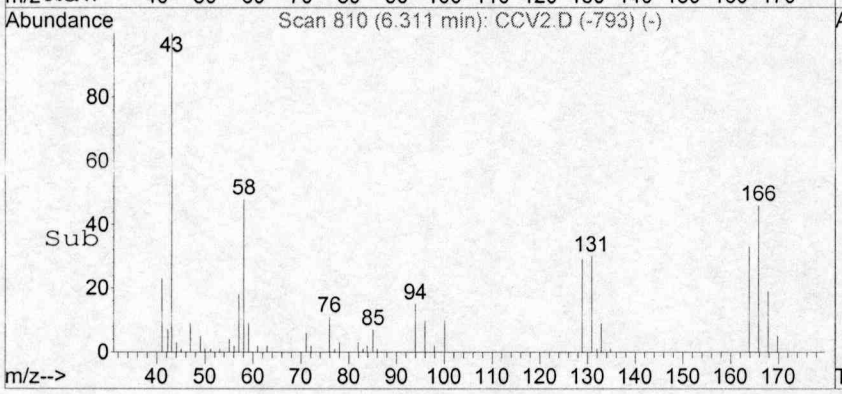


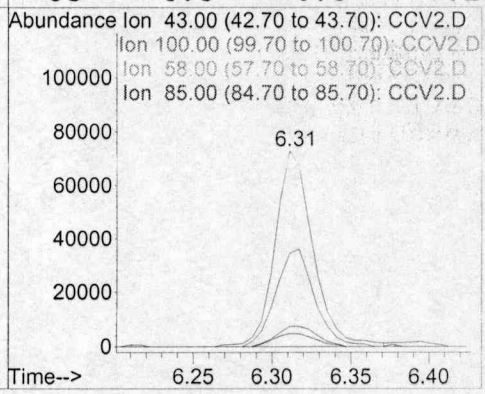


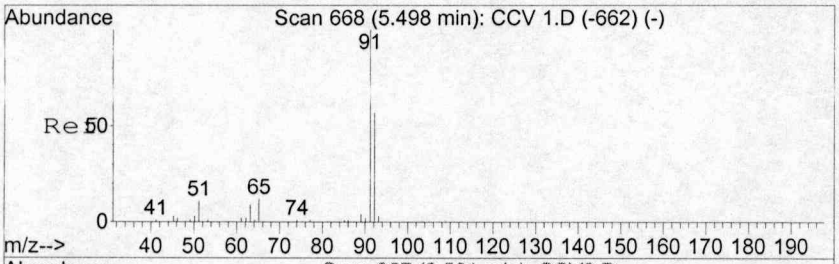
#41
2-Hexanone
Concen: 693.91 ng
RT: 6.31 min Scan# 810
Delta R.T. -0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 43 Resp: 120702

Ion	Ratio	Lower	Upper
43	100		
100	10.2	8.5	12.7
58	47.2	41.6	62.4
85	6.5	4.8	7.2



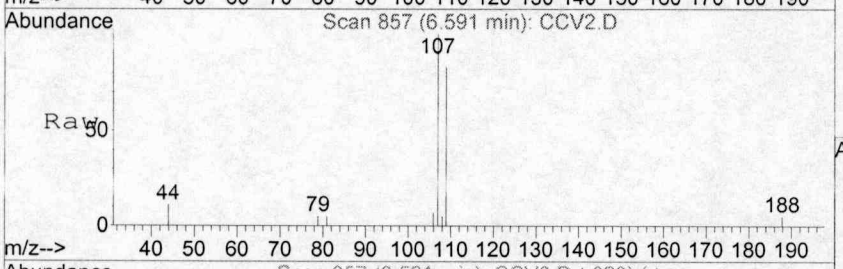


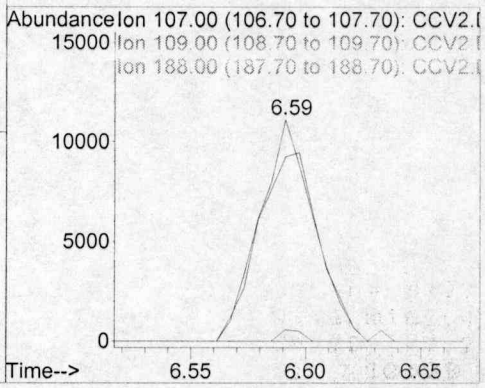


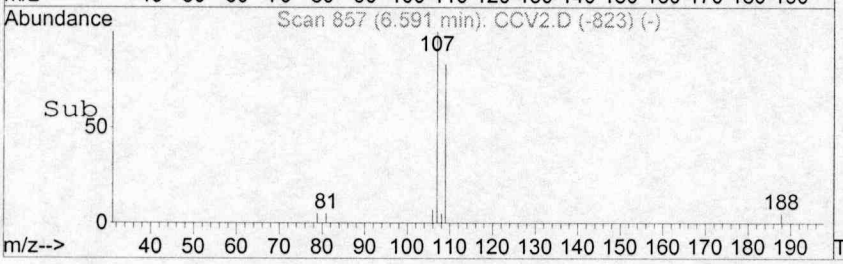
#42
1,2-Dibromoethane
Concen: 56.96 ng
RT: 6.59 min Scan# 857
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

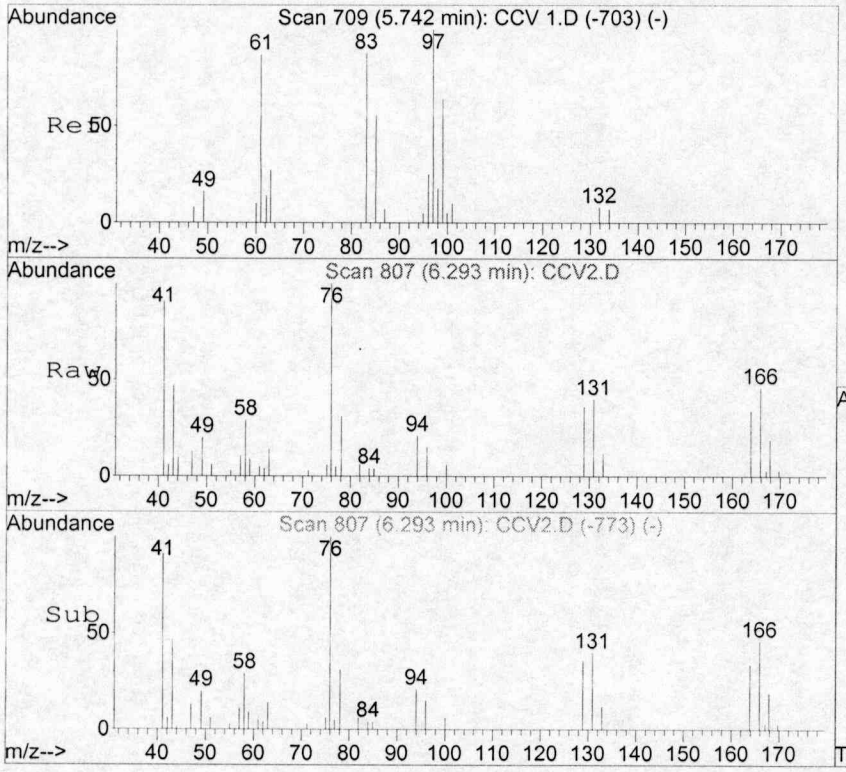
Tgt Ion:107 Resp: 18251

Ion	Ratio	Lower	Upper
107	100		
109	83.2	54.4	114.4
188	5.1	0.0	30.0





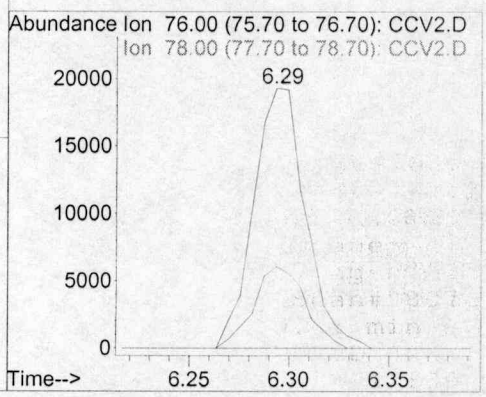


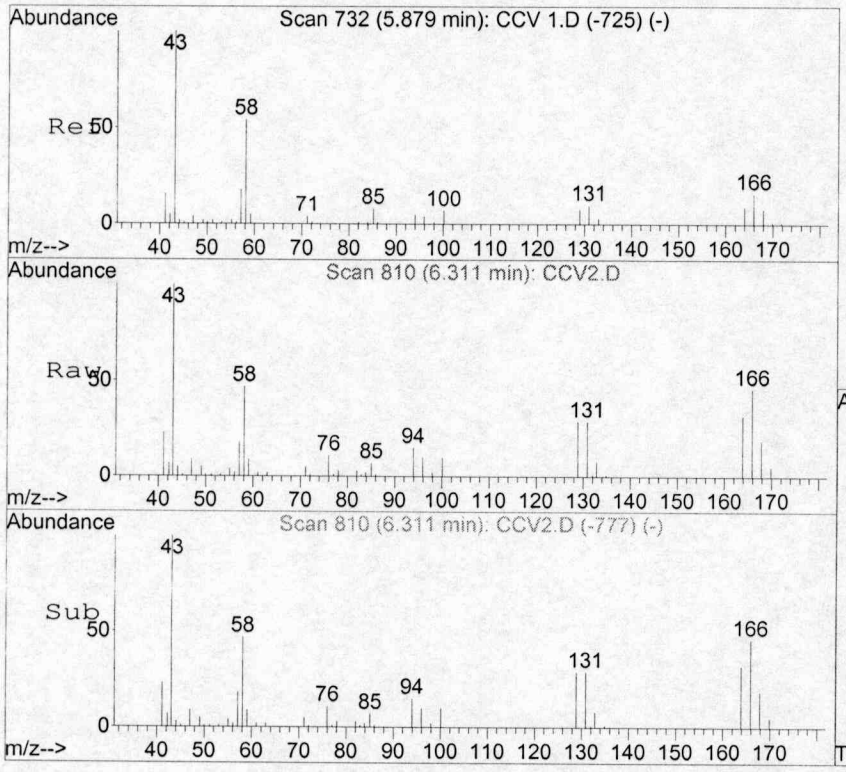


#44
1,3-Dichloropropane
Concen: 54.07 ng
RT: 6.29 min Scan# 807
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 76 Resp: 34760

Ion	Ratio	Lower	Upper
76	100		
78	31.4	0.0	59.3

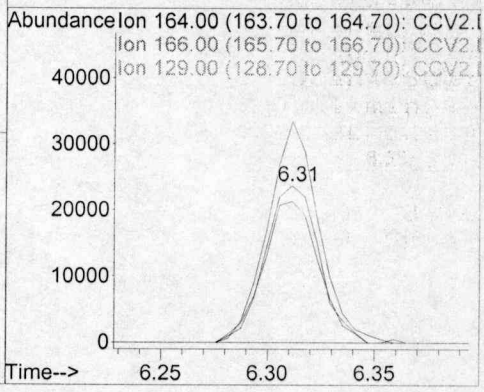


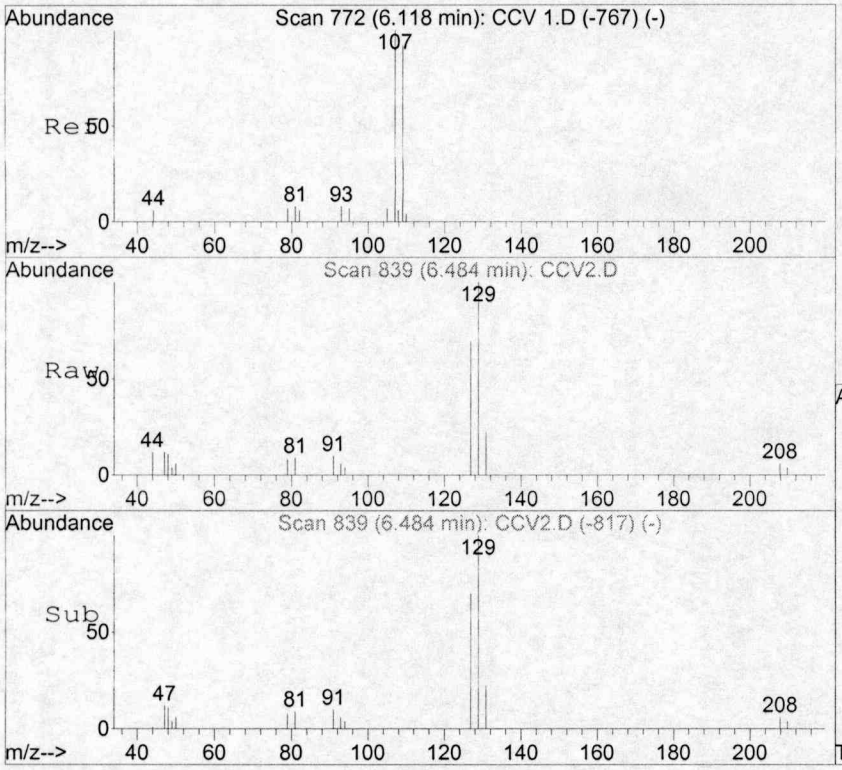


#45
Tetrachloroethene
Concen: 45.93 ng
RT: 6.31 min Scan# 810
Delta R.T. -0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:164 Resp: 41889

Ion	Ratio	Lower	Upper
164	100		
166	141.3	100.1	160.1
129	89.8	59.7	119.7

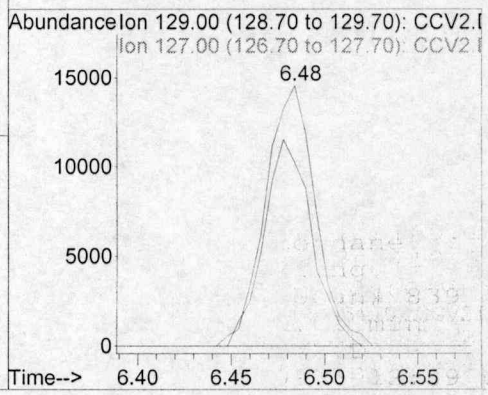


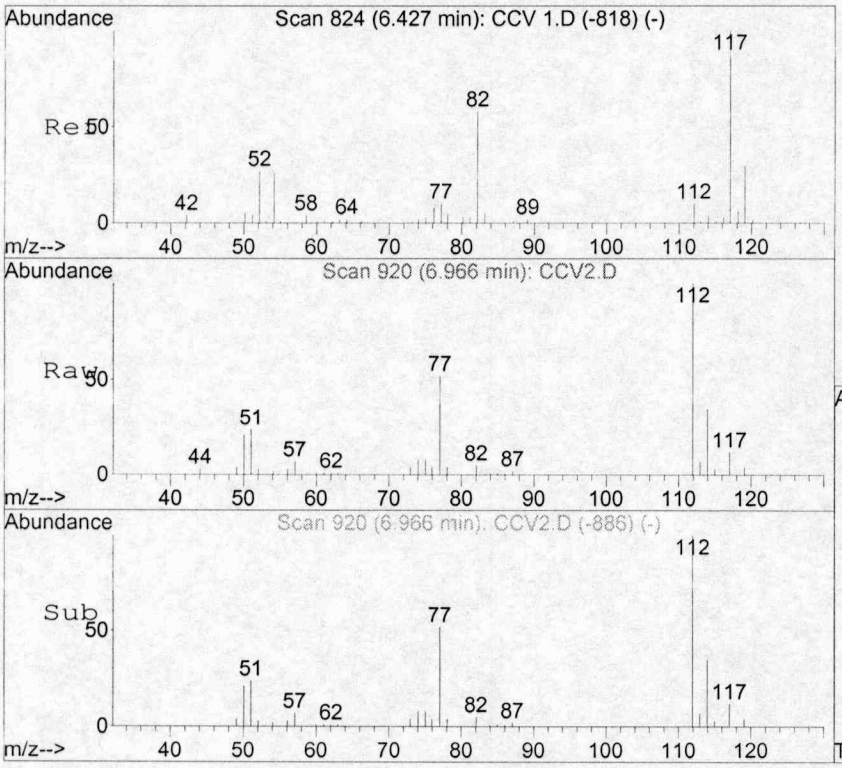


#46
Dibromochloromethane
Concen: 55.22 ng
RT: 6.48 min Scan# 839
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:129 Resp: 27043

Ion	Ratio	Lower	Upper
129	100		
127	70.3	45.2	105.2

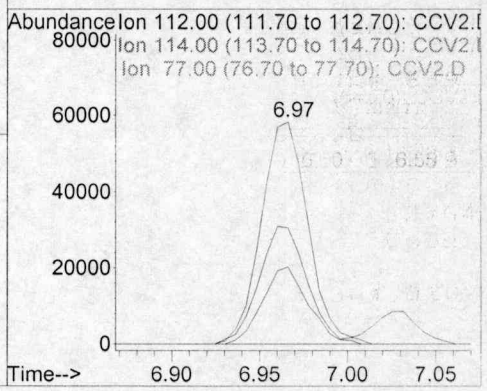


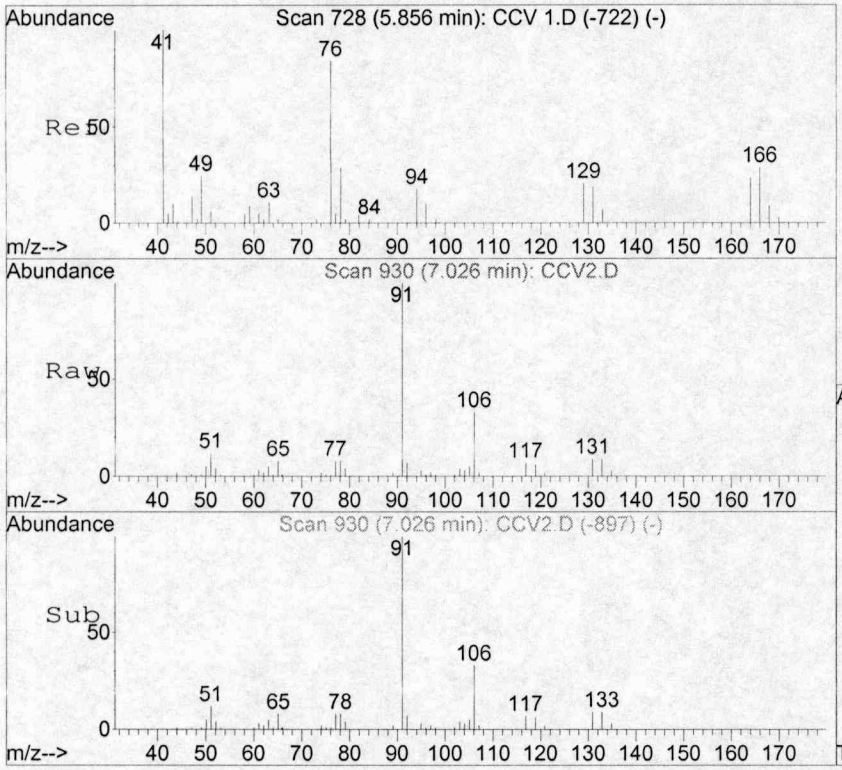


#47
Chlorobenzene
Concen: 48.19 ng
RT: 6.97 min Scan# 920
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:112 Resp: 108005

Ion	Ratio	Lower	Upper
112	100		
114	34.8	2.1	62.1
77	52.4	19.9	79.9

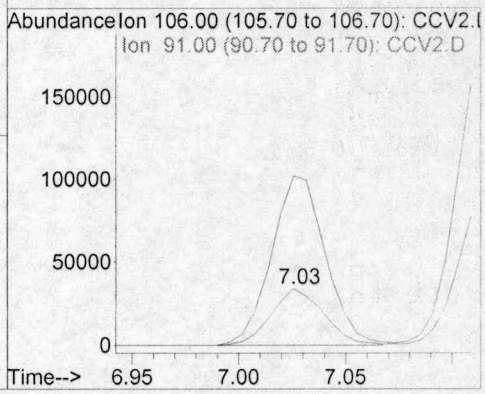


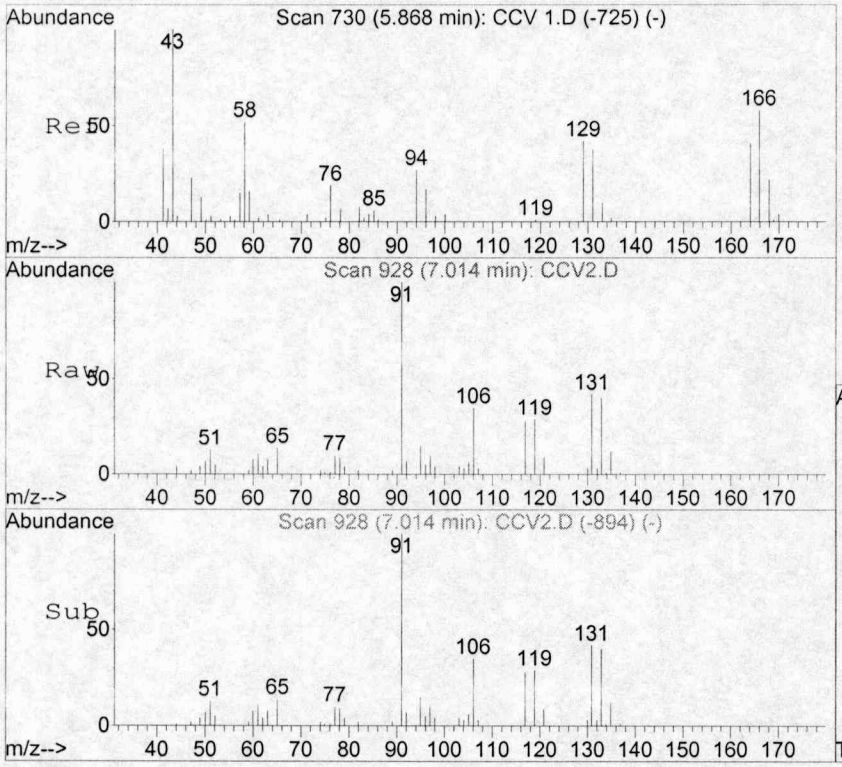


#48
Ethylbenzene*
Concen: 48.63 ng
RT: 7.03 min Scan# 930
Delta R.T. -0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:106 Resp: 57443

Ion	Ratio	Lower	Upper
106	100		
91	300.6	288.8	348.8

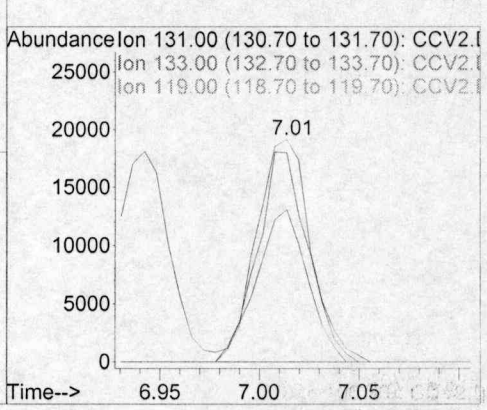


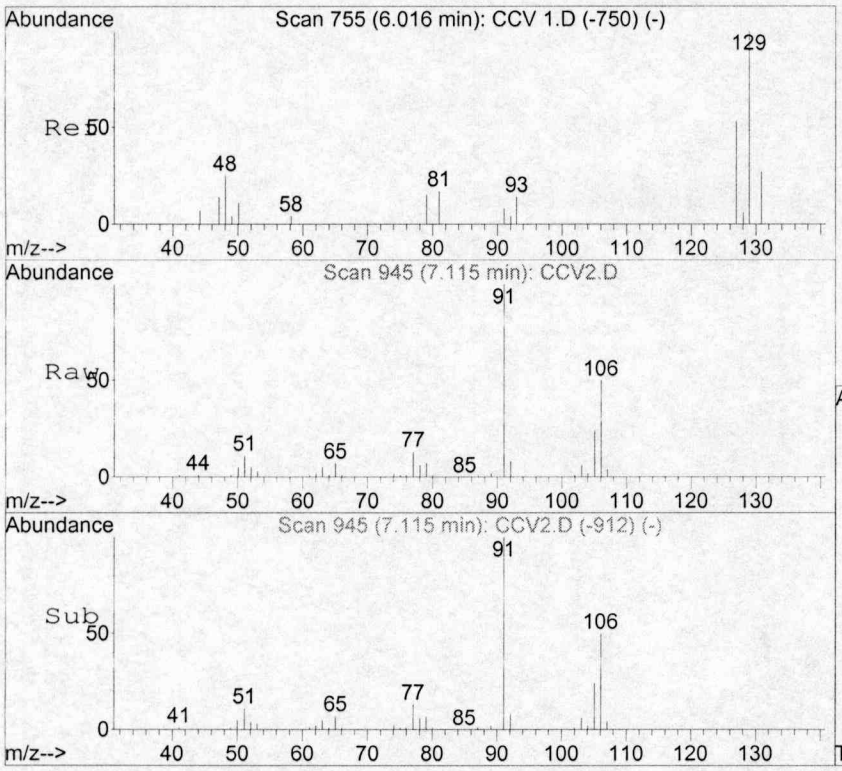


#49
1,1,1,2-Tetrachloroethane
Concen: 49.71 ng
RT: 7.01 min Scan# 928
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:131 Resp: 36091

Ion	Ratio	Lower	Upper
131	100		
133	94.1	59.8	119.8
119	68.4	31.3	91.3

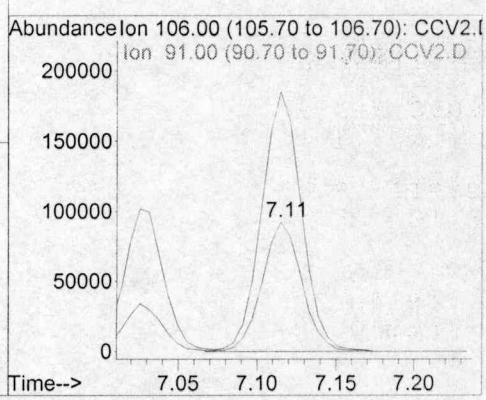


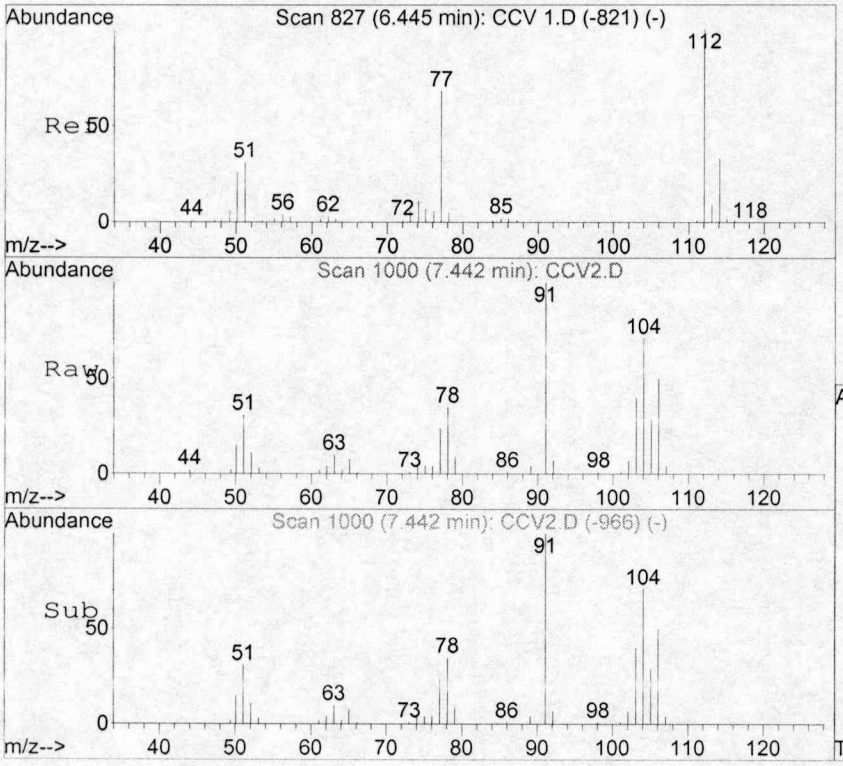


#50
m,p-Xylene*
Concen: 101.32 ng
RT: 7.11 min Scan# 945
Delta R.T. -0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:106 Resp: 159333

Ion	Ratio	Lower	Upper
106	100		
91	200.1	163.0	223.0

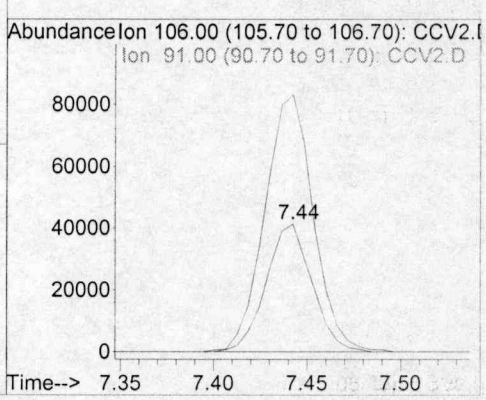


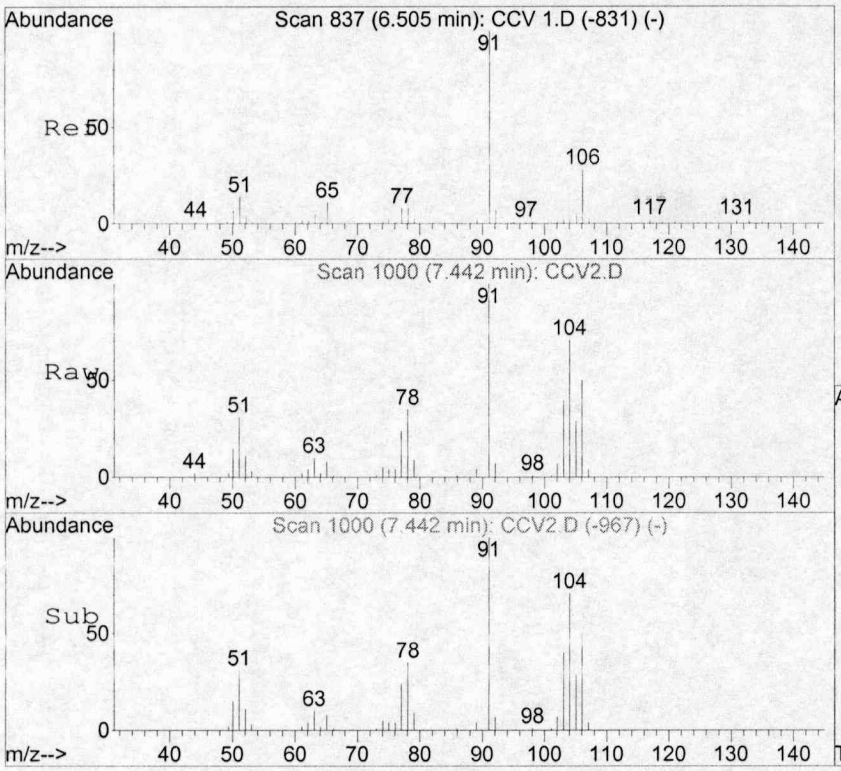


#51
o-Xylene*
Concen: 50.82 ng
RT: 7.44 min Scan# 1000
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:106 Resp: 70115

Ion	Ratio	Lower	Upper
106	100		
91	201.4	180.2	240.2

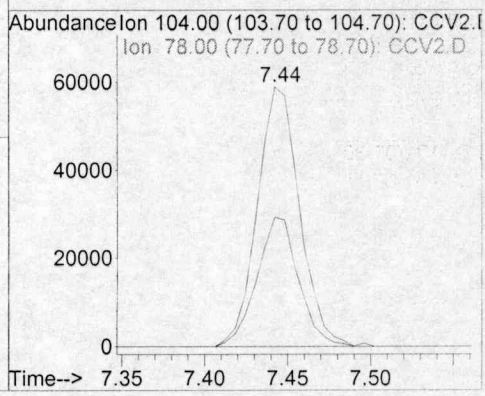


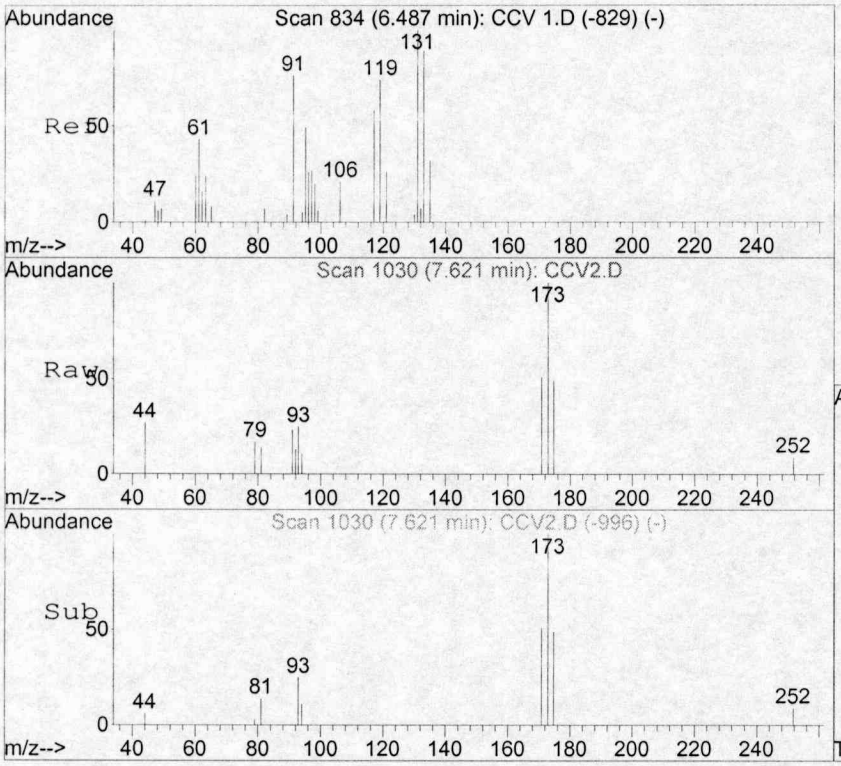


#52
Styrene
Concen: 52.23 ng
RT: 7.44 min Scan# 1000
Delta R.T. -0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:104 Resp: 104101

Ion	Ratio	Lower	Upper
104	100		
78	49.6	14.5	74.5

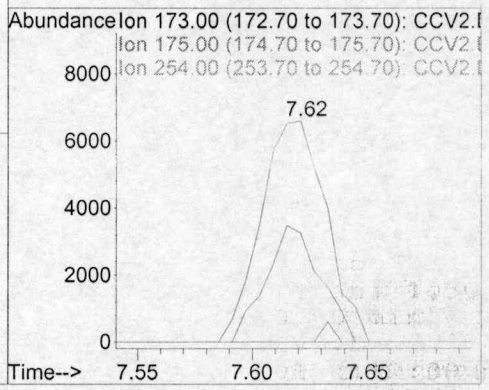


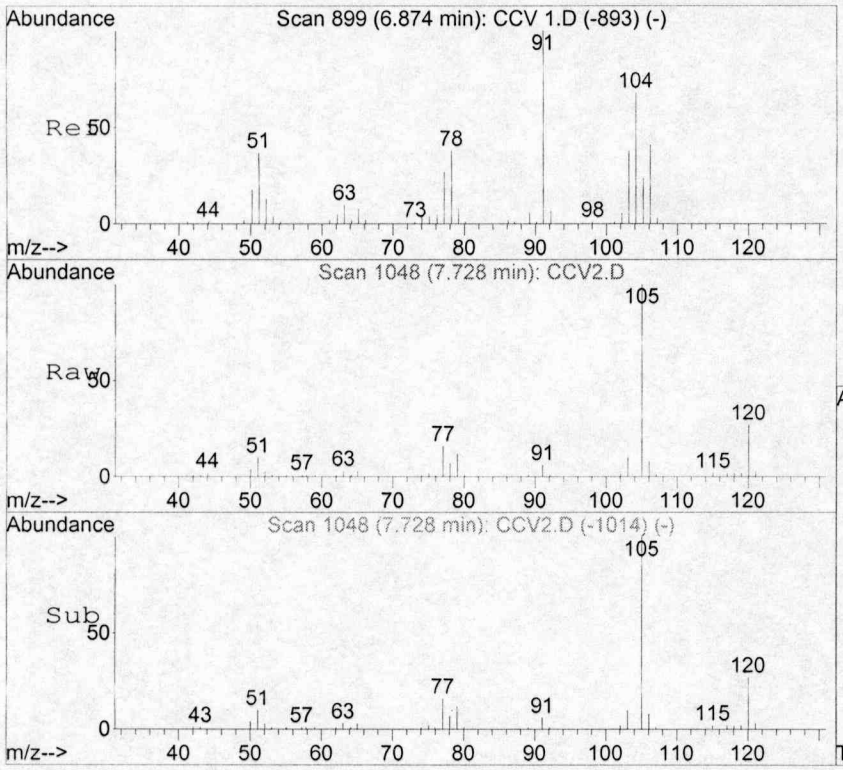


#53
Bromoform
Concen: 56.70 ng
RT: 7.62 min Scan# 1030
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:173 Resp: 13062

Ion	Ratio	Lower	Upper
173	100		
175	49.4	13.8	73.8
254	0.0	0.0	39.1

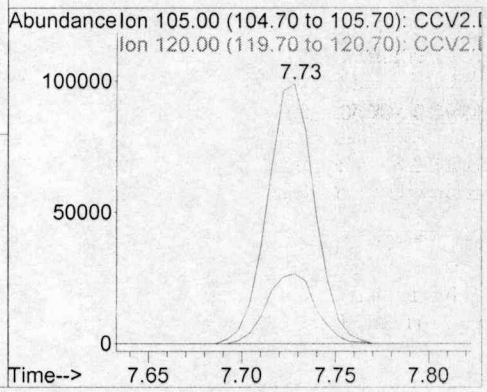


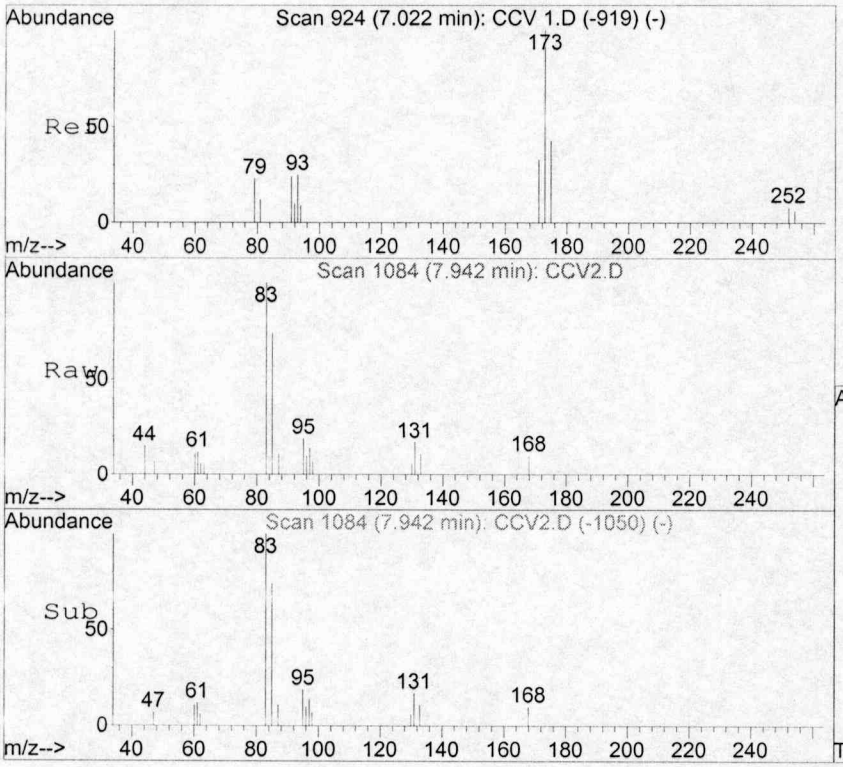


#56
Isopropylbenzene
Concen: 49.34 ng
RT: 7.73 min Scan# 1048
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:105 Resp: 173922

Ion	Ratio	Lower	Upper
105	100		
120	26.9	0.0	56.6

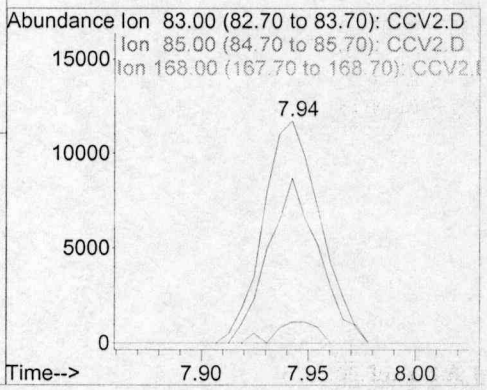


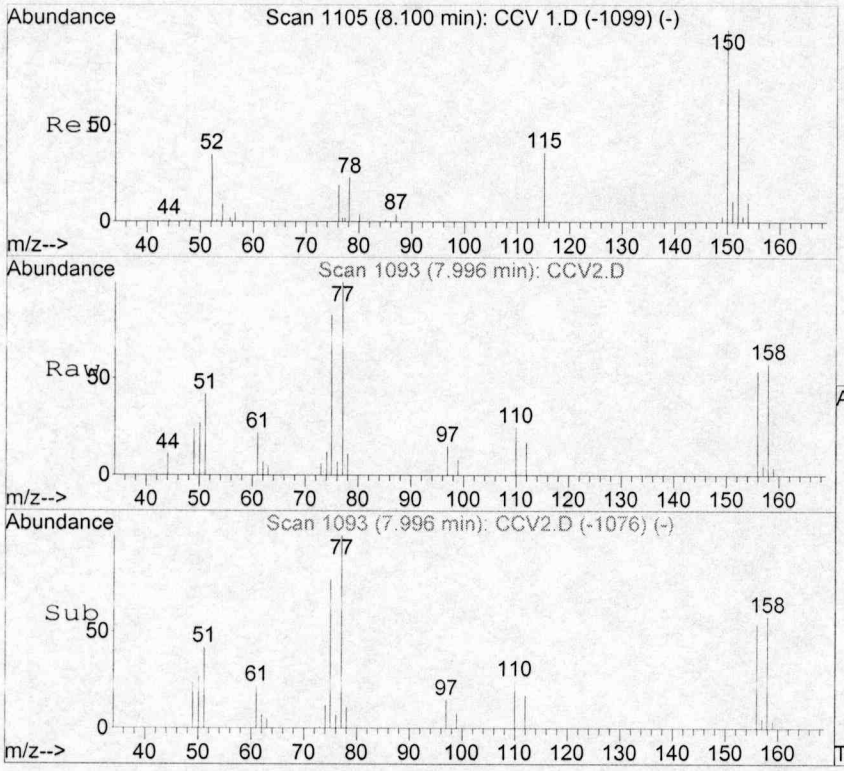


#57
1,1,2,2-Tetrachloroethane
Concen: 51.29 ng
RT: 7.94 min Scan# 1084
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 83 Resp: 21730

Ion	Ratio	Lower	Upper
83	100		
85	74.1	27.0	87.0
168	9.6	0.0	39.7

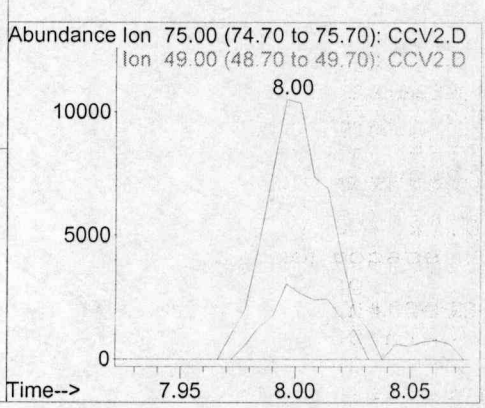


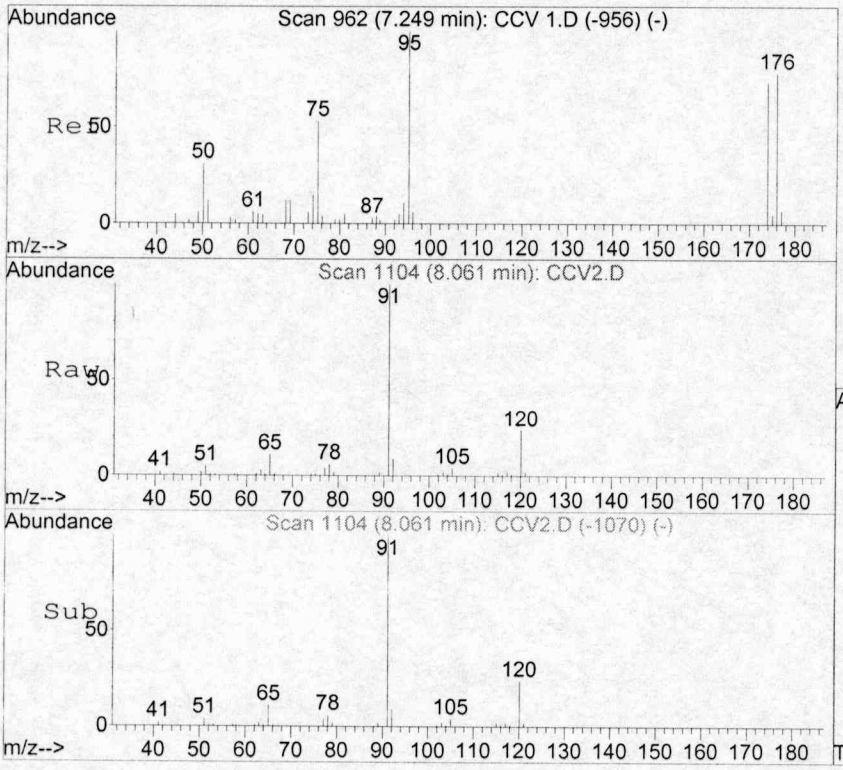


#58
1,2,3-Trichloropropane
Concen: 54.00 ng
RT: 8.00 min Scan# 1093
Delta R.T. -0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 75 Resp: 20578

Ion	Ratio	Lower	Upper
75	100		
49	28.9	5.4	65.4

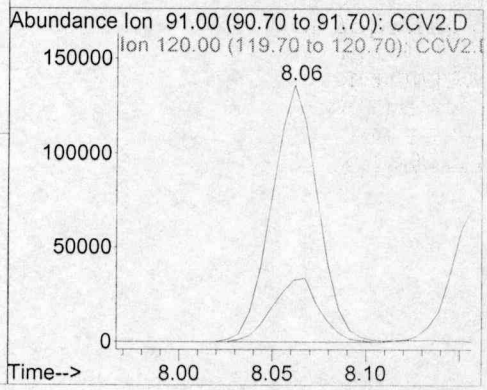


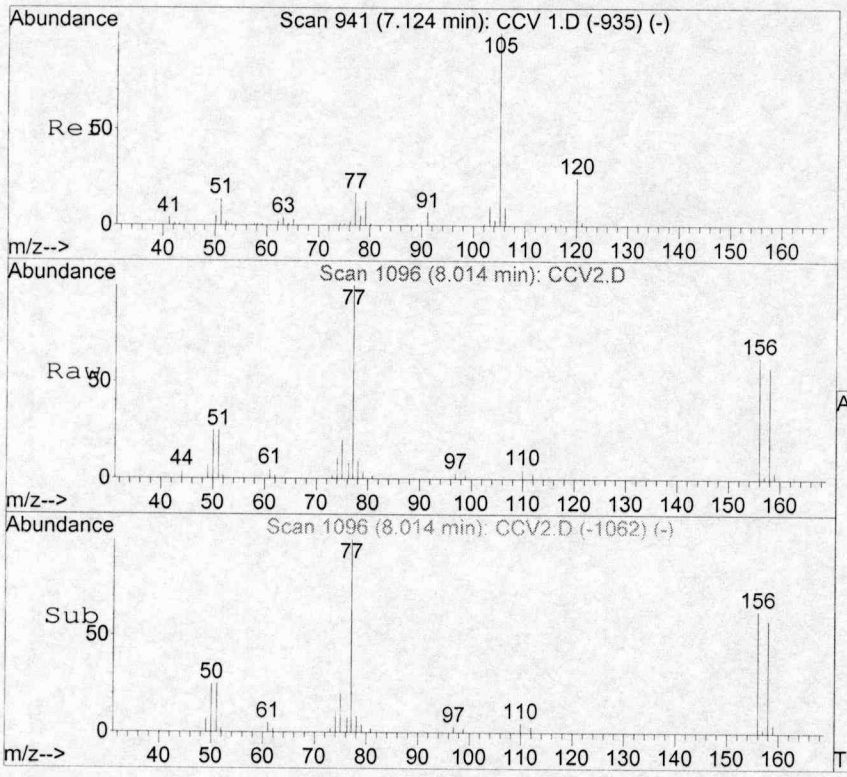


#59
n-Propylbenzene
Concen: 49.94 ng
RT: 8.06 min Scan# 1104
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 91 Resp: 233368

Ion	Ratio	Lower	Upper
91	100		
120	24.1	0.0	54.5

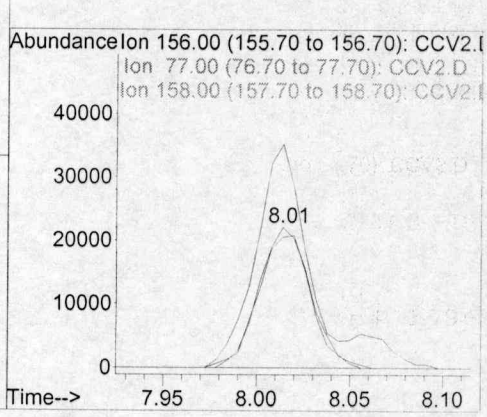


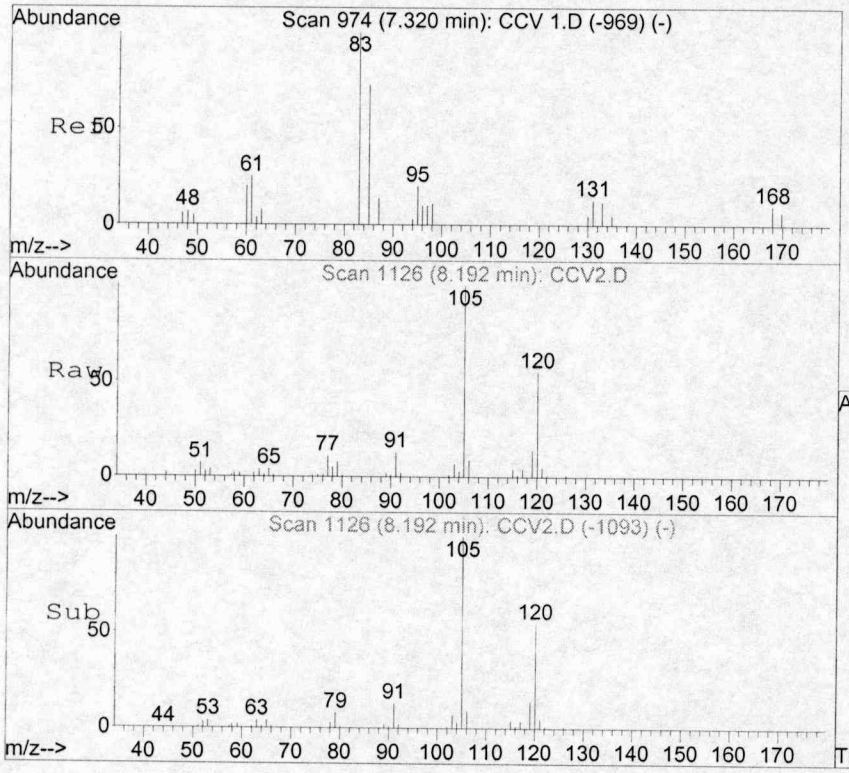


#60
Bromobenzene
Concen: 49.80 ng
RT: 8.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:156 Resp: 42403

Ion	Ratio	Lower	Upper
156	100		
77	159.5	107.4	167.4
158	92.9	66.0	126.0

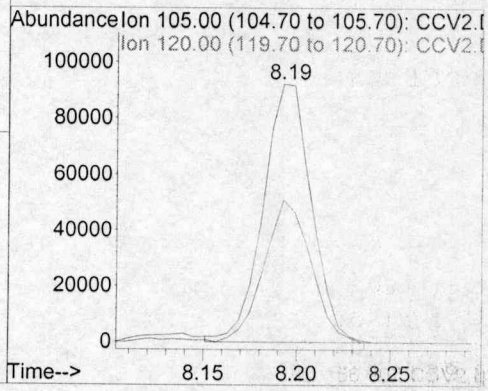


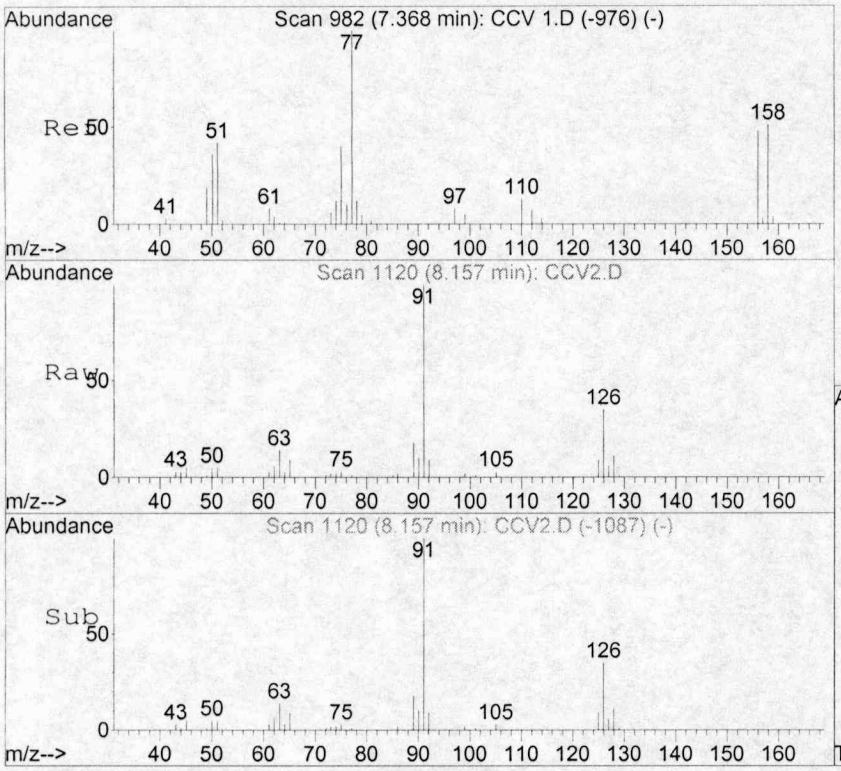


#61
1,3,5-Trimethylbenzene
Concen: 51.13 ng
RT: 8.19 min Scan# 1126
Delta R.T. -0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:105 Resp: 165403

Ion	Ratio	Lower	Upper
105	100		
120	55.3	23.6	83.6

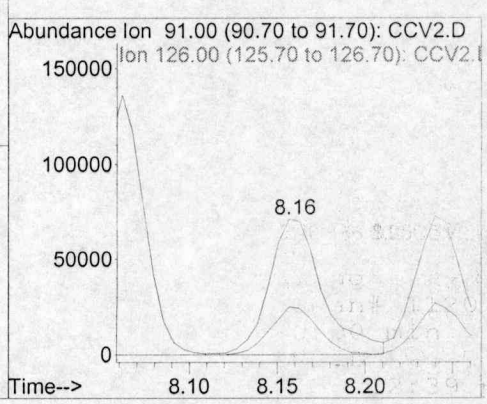


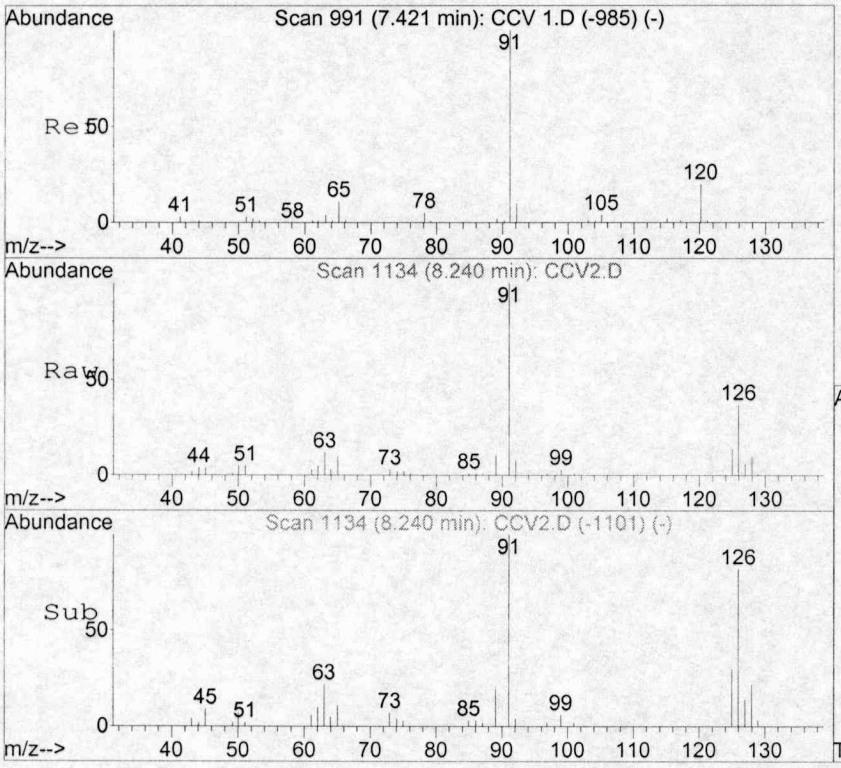


#62
2-Chlorotoluene
Concen: 50.31 ng
RT: 8.16 min Scan# 1120
Delta R.T. -0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 91 Resp: 151375

Ion	Ratio	Lower	Upper
91	100		
126	35.4	7.1	67.1

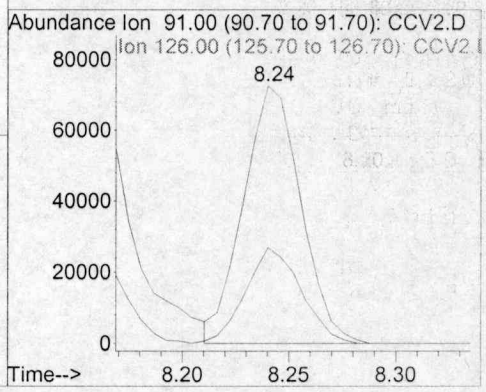


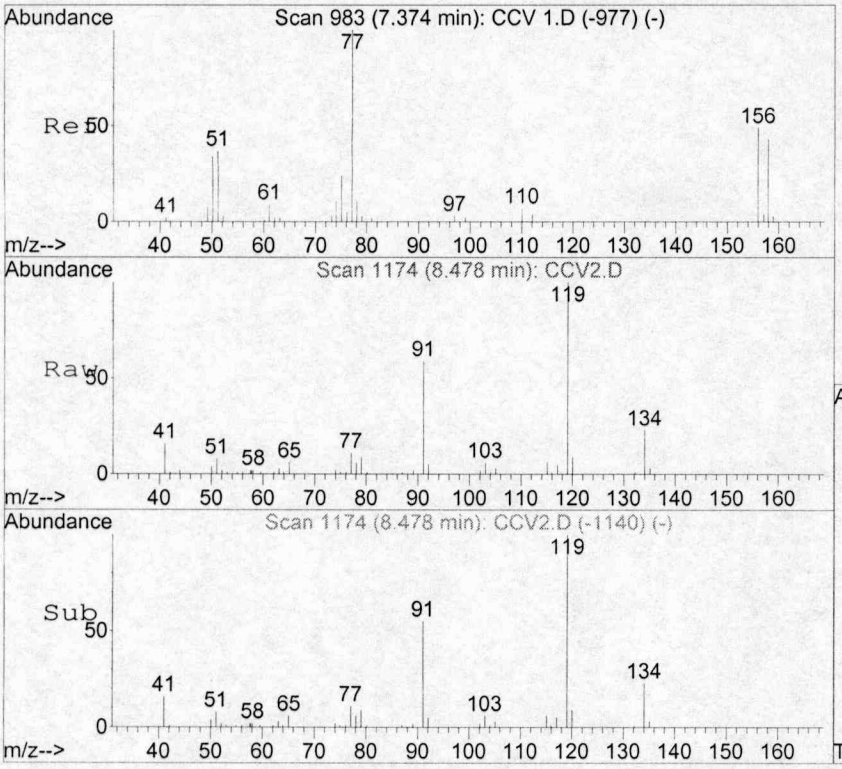


#63
4-Chlorotoluene
Concen: 50.19 ng
RT: 8.24 min Scan# 1134
Delta R.T. -0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 91 Resp: 135244

Ion	Ratio	Lower	Upper
91	100		
126	37.0	3.3	63.3

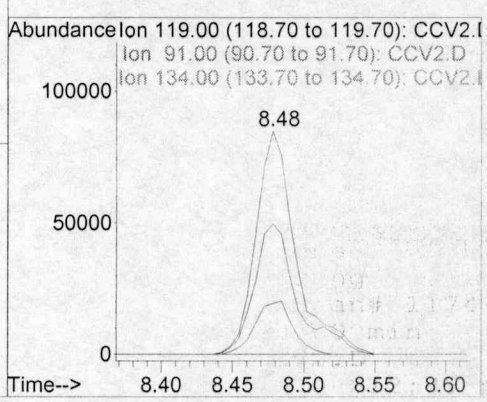


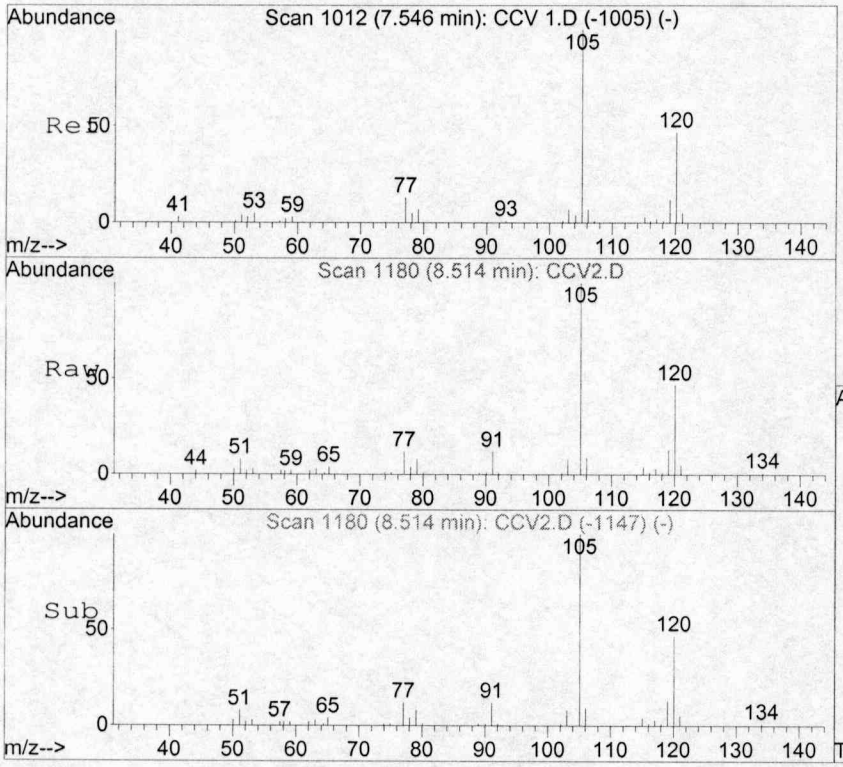


#64
tert-Butylbenzene
Concen: 47.69 ng
RT: 8.48 min Scan# 1174
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:119 Resp: 165472

Ion	Ratio	Lower	Upper
119	100		
91	58.6	28.8	88.8
134	22.8	0.0	55.4

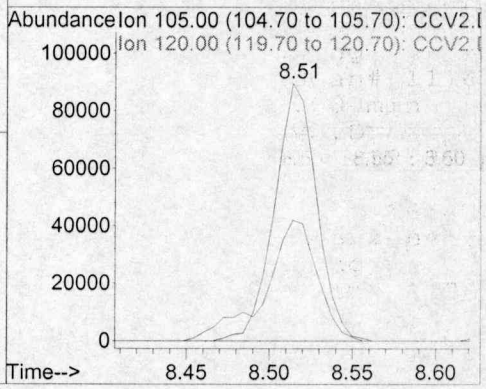


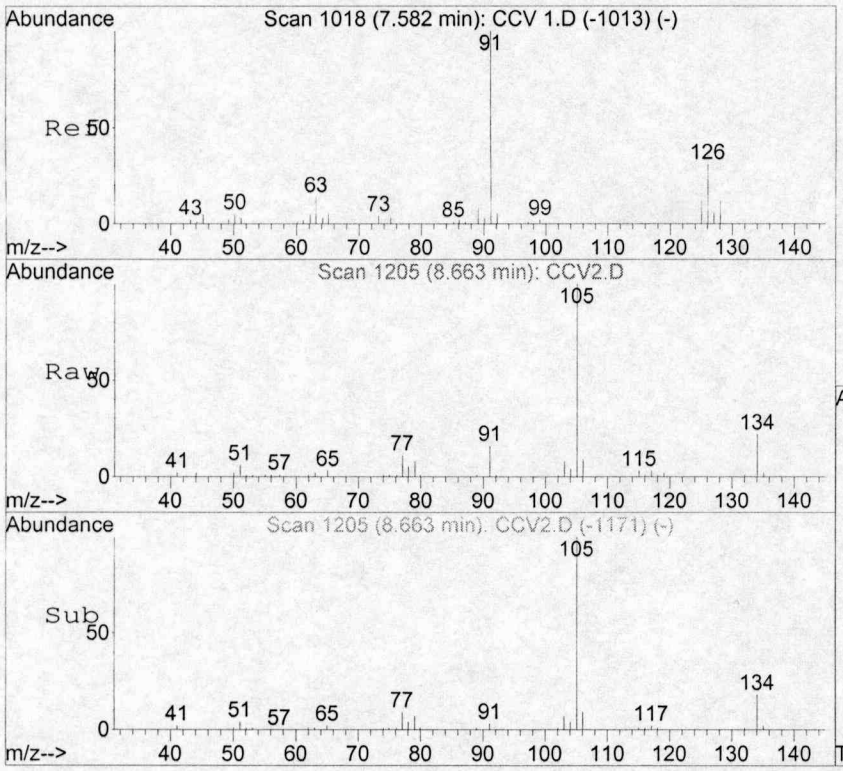


#65
1,2,4-Trimethylbenzene
Concen: 51.68 ng
RT: 8.51 min Scan# 1180
Delta R.T. -0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:105 Resp: 157853

Ion	Ratio	Lower	Upper
105	100		
120	46.8	21.3	81.3

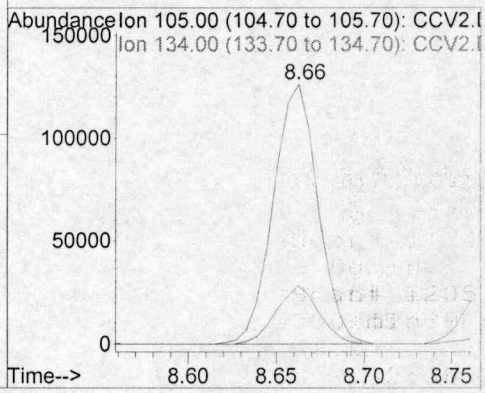


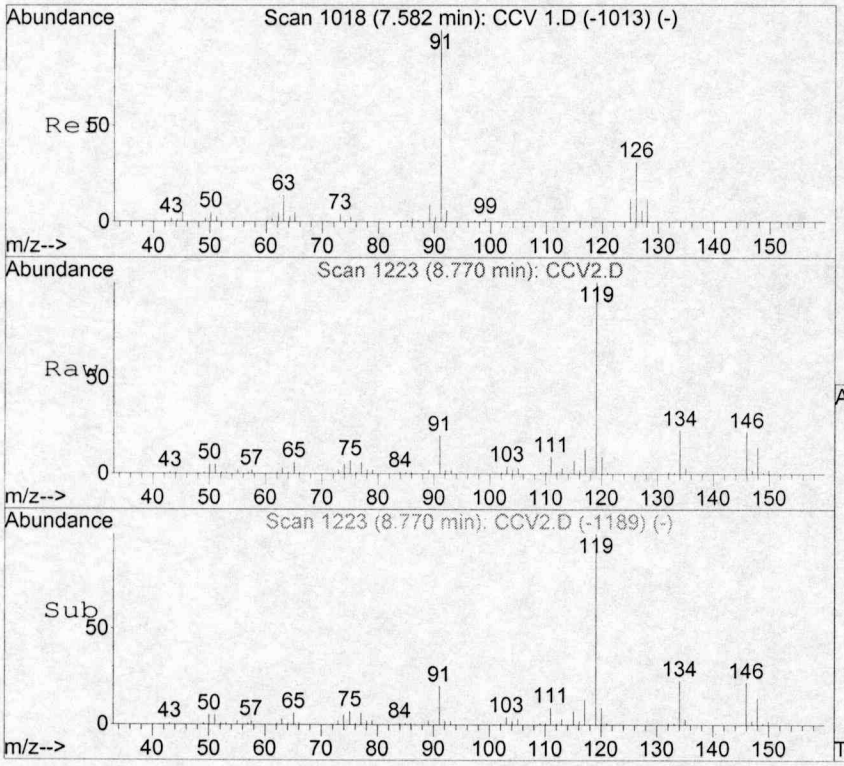


#66
sec-Butylbenzene
Concen: 49.82 ng
RT: 8.66 min Scan# 1205
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:105 Resp: 221924

Ion	Ratio	Lower	Upper
105	100		
134	22.3	0.0	51.7

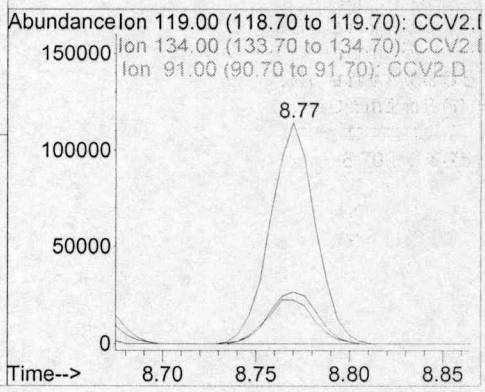


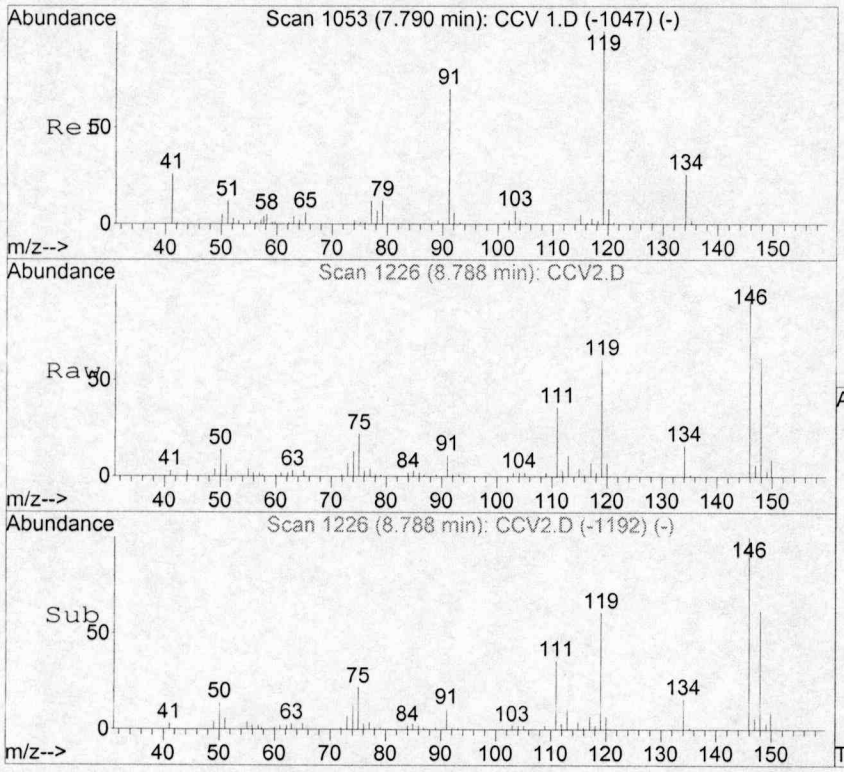


#67
p-Isopropyltoluene
Concen: 52.35 ng
RT: 8.77 min Scan# 1223
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:119 Resp: 191803

Ion	Ratio	Lower	Upper
119	100		
134	23.3	0.0	58.2
91	19.6	0.0	52.0

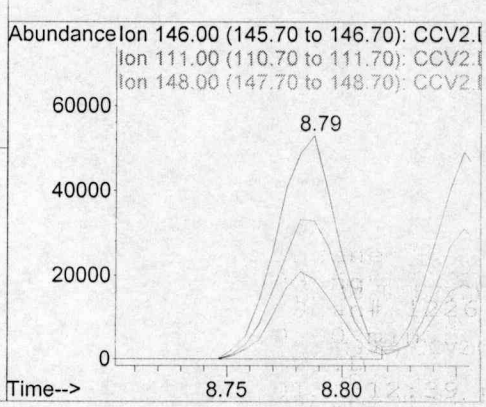


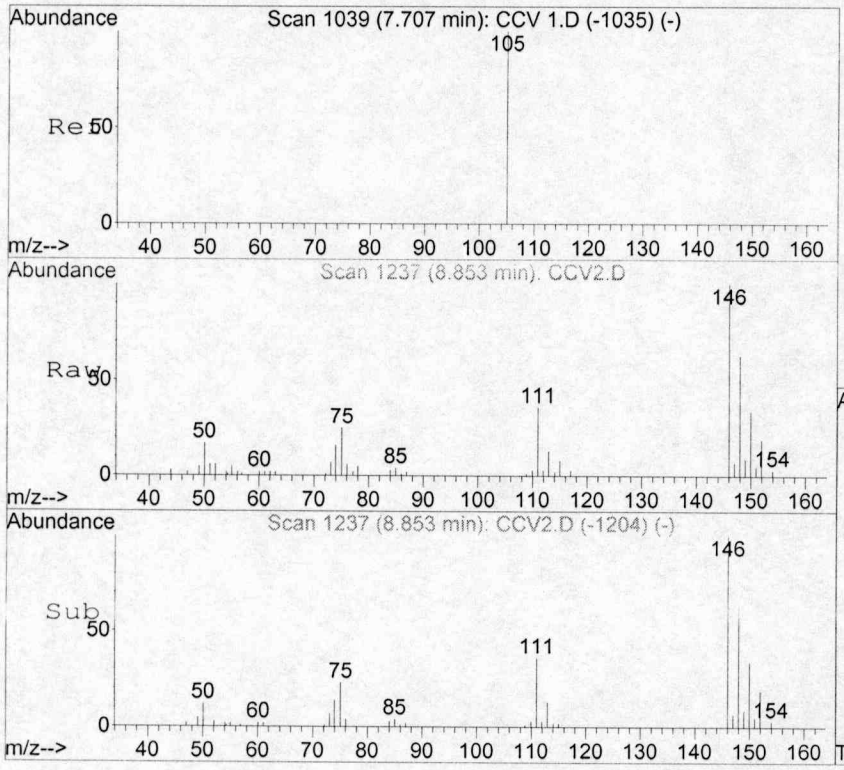


#68
1,3-Dichlorobenzene
Concen: 50.23 ng
RT: 8.79 min Scan# 1226
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:146 Resp: 99437

Ion	Ratio	Lower	Upper
146	100		
111	36.1	9.5	69.5
148	62.1	34.2	94.2

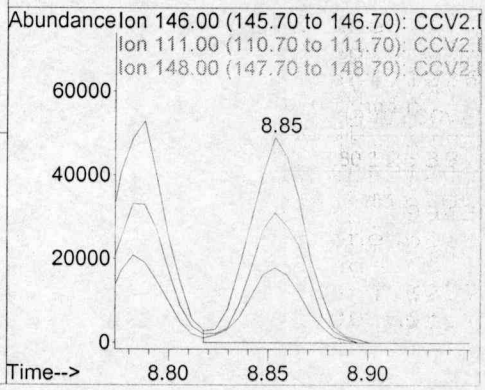


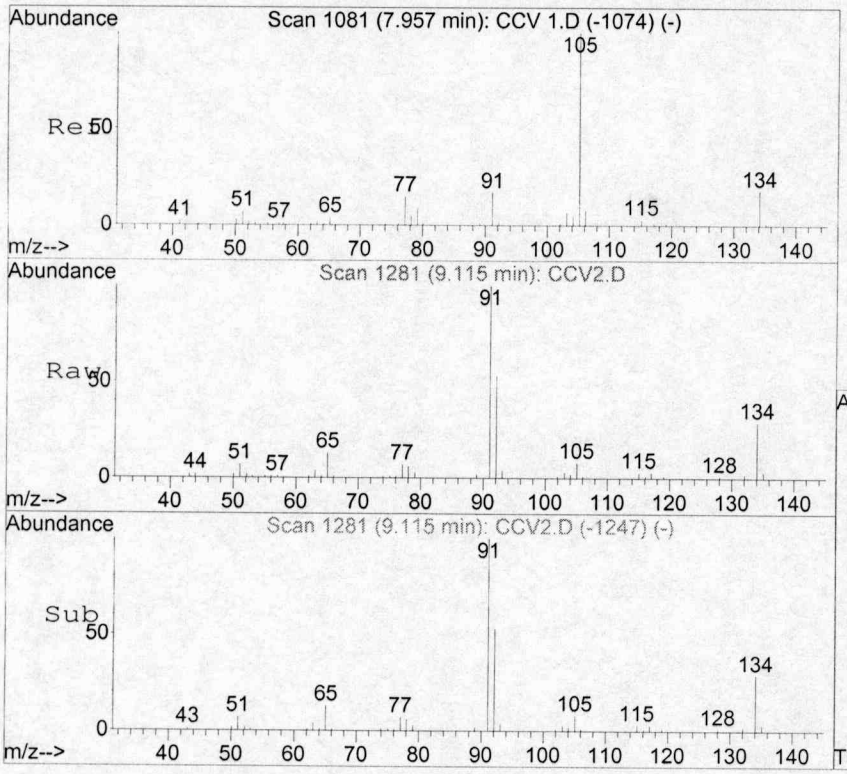


#69
1,4-Dichlorobenzene
Concen: 50.25 ng
RT: 8.85 min Scan# 1237
Delta R.T. -0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:146 Resp: 94372

Ion	Ratio	Lower	Upper
146	100		
111	36.4	3.3	63.3
148	63.2	35.5	95.5

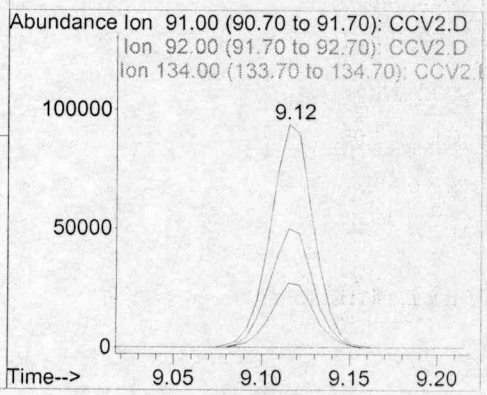


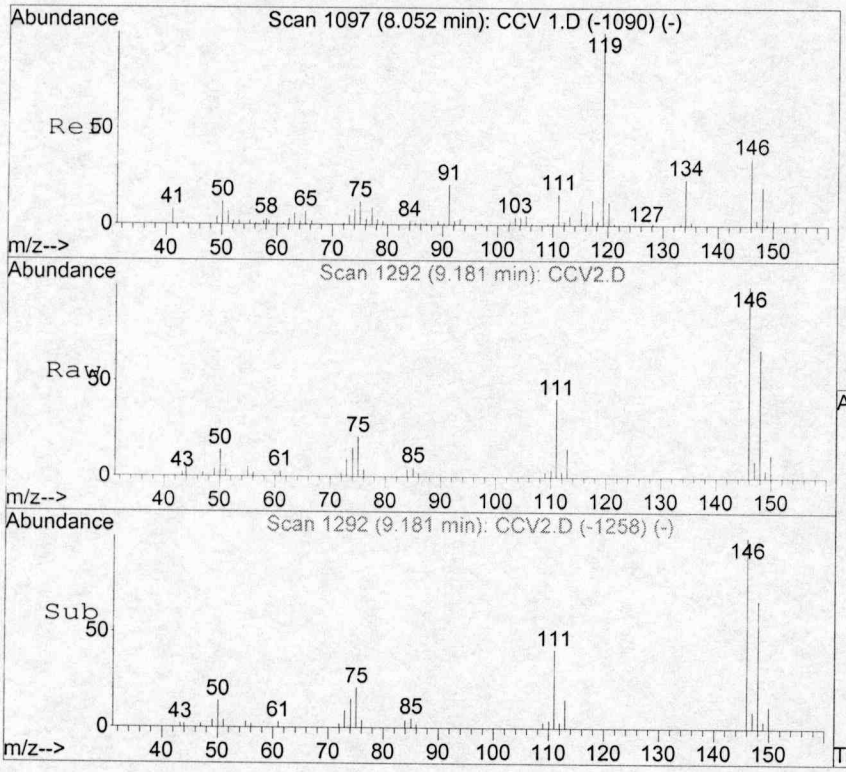


#70
n-Butylbenzene
Concen: 49.13 ng
RT: 9.12 min Scan# 1281
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 91 Resp: 160477

Ion	Ratio	Lower	Upper
91	100		
92	53.3	25.5	85.5
134	29.0	0.0	59.4

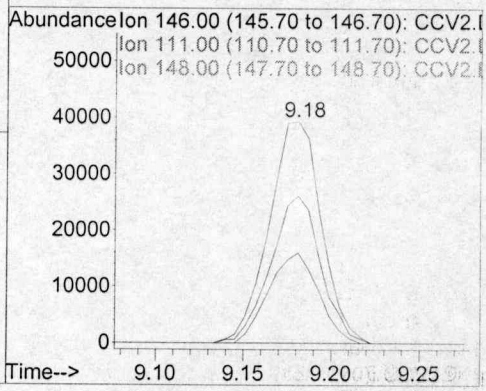


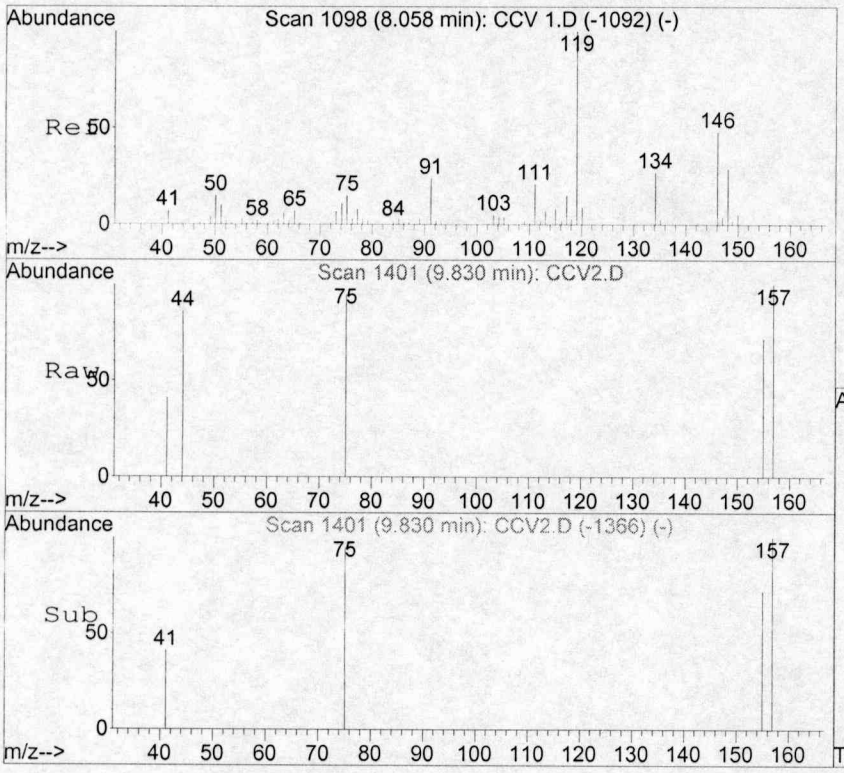


#71
1,2-Dichlorobenzene
Concen: 50.58 ng
RT: 9.18 min Scan# 1292
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:146 Resp: 81028

Ion	Ratio	Lower	Upper
146	100		
111	40.8	7.6	67.6
148	66.5	31.9	91.9

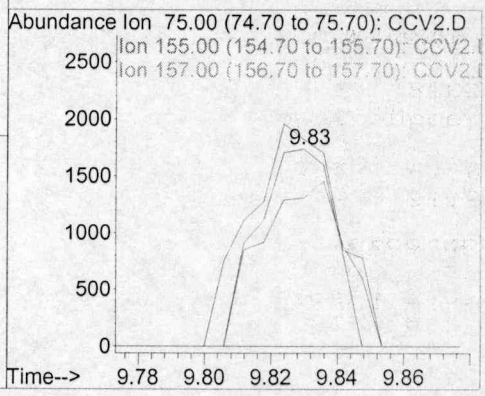


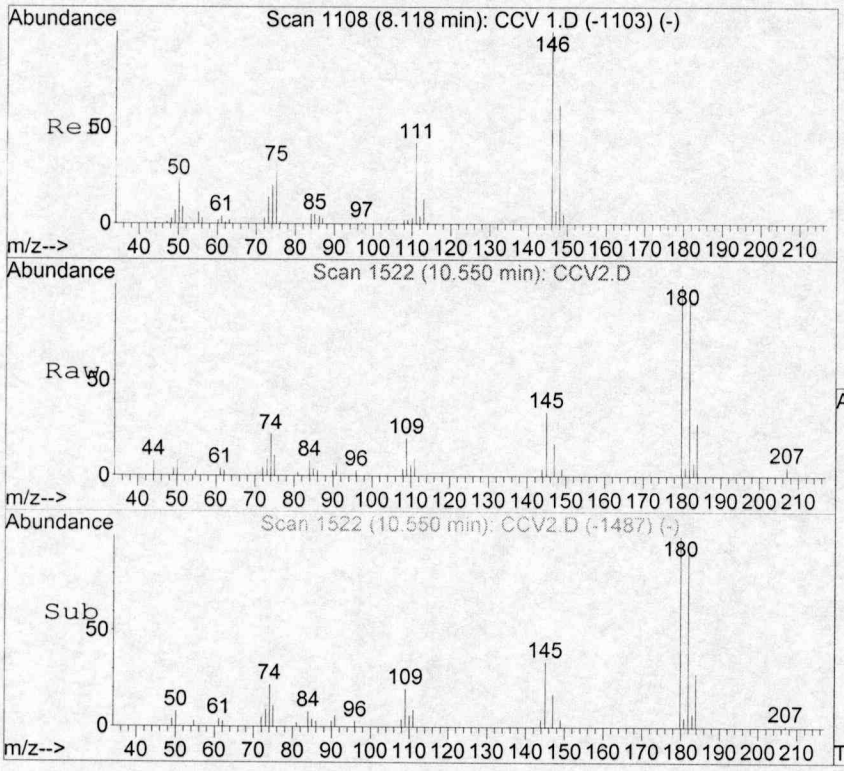


#72
1,2-Dibromo-3-chloropropane
Concen: 68.88 ng
RT: 9.83 min Scan# 1401
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 75 Resp: 2813

Ion	Ratio	Lower	Upper
75	100		
155	75.3	49.1	109.1
157	104.8	61.3	121.3

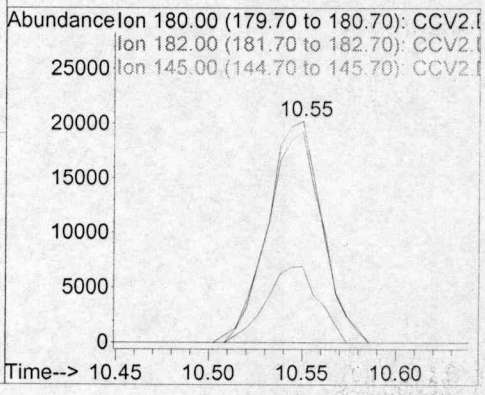


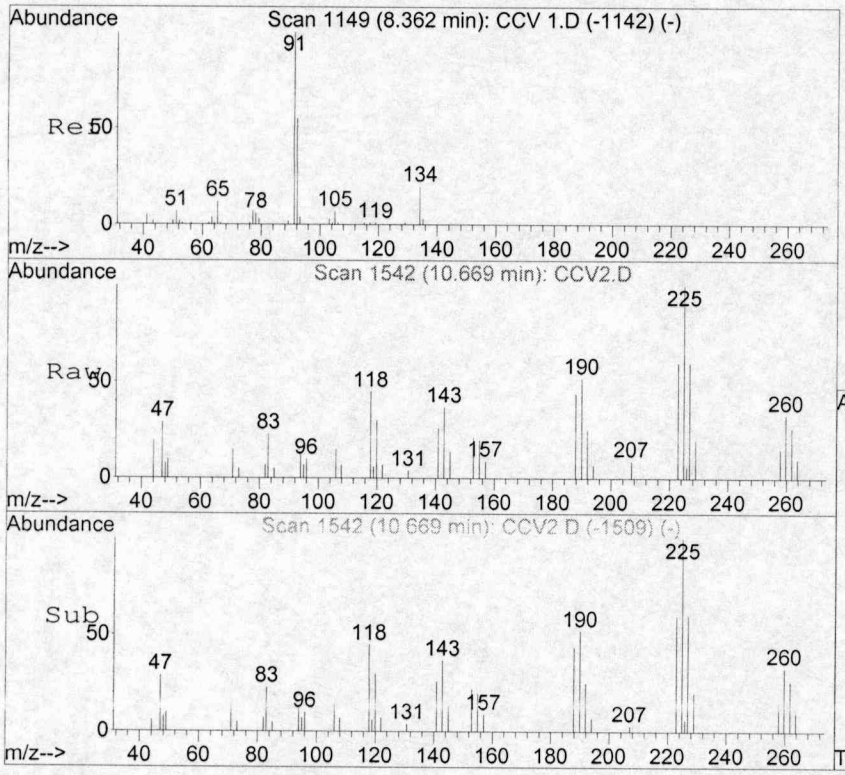


#73
1,2,4-Trichlorobenzene
Concen: 51.88 ng
RT: 10.55 min Scan# 1522
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:180 Resp: 40902

Ion	Ratio	Lower	Upper
180	100		
182	95.3	68.1	128.1
145	34.0	4.5	64.5

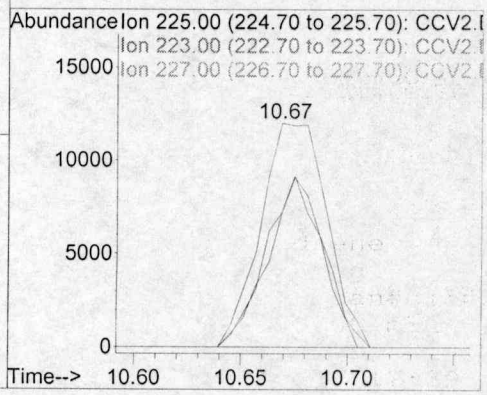


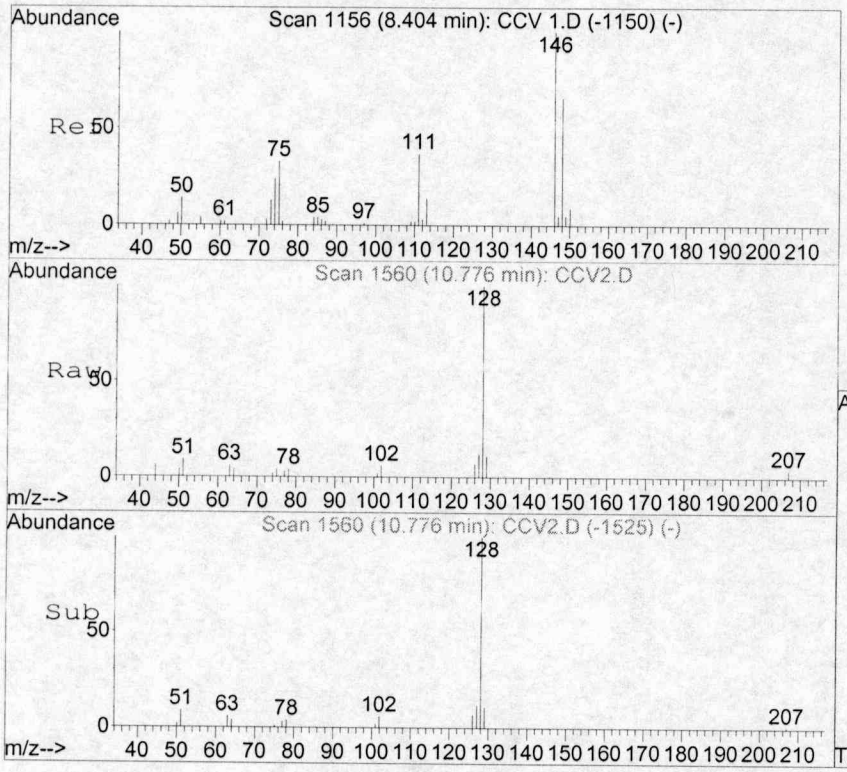


#74
Hexachlorobutadiene
Concen: 42.38 ng
RT: 10.67 min Scan# 1542
Delta R.T. -0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:225 Resp: 25912

Ion	Ratio	Lower	Upper
225	100		
223	60.1	37.7	97.7
227	60.0	40.9	100.9

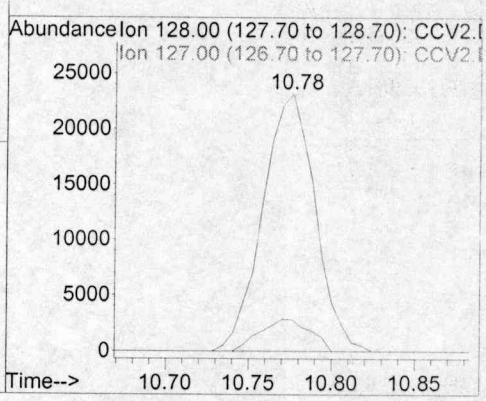


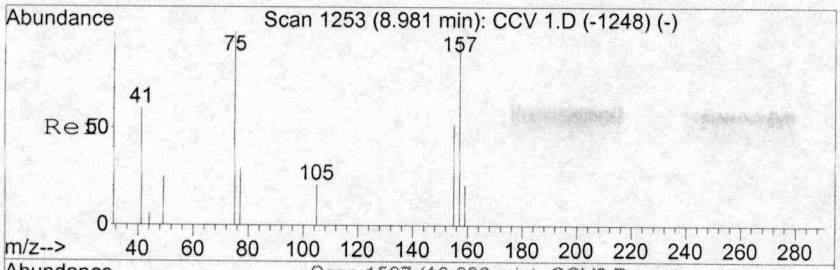


#75
Naphthalene
Concen: 56.38 ng
RT: 10.78 min Scan# 1560
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion:128 Resp: 50743

Ion	Ratio	Lower	Upper
128	100		
127	12.1	0.0	31.5

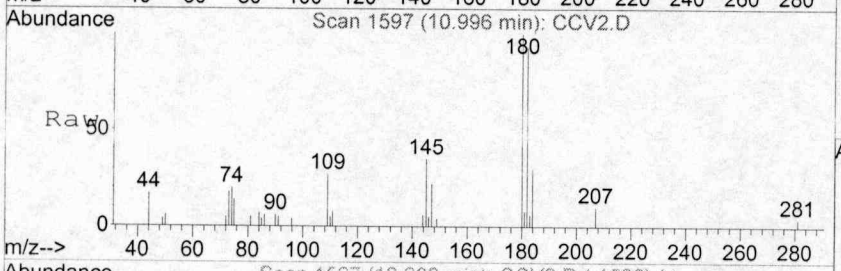


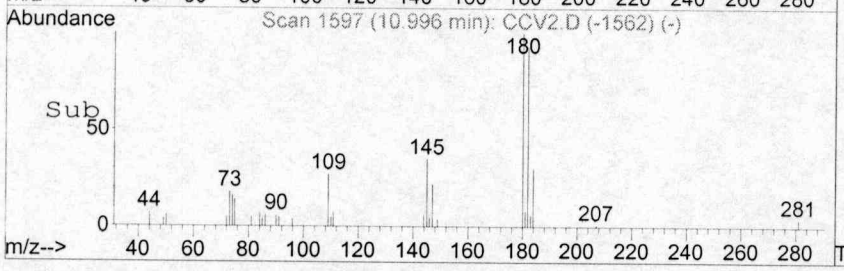


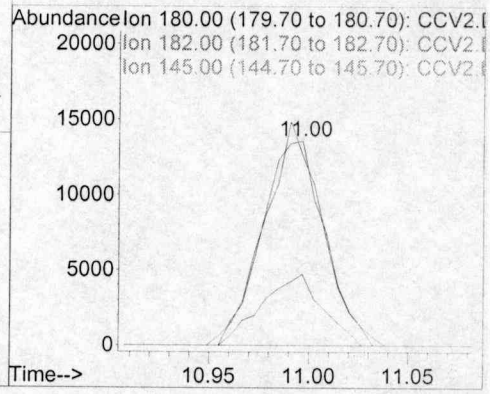
#76
1,2,3-Trichlorobenzene
Concen: 51.62 ng
RT: 11.00 min Scan# 1597
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

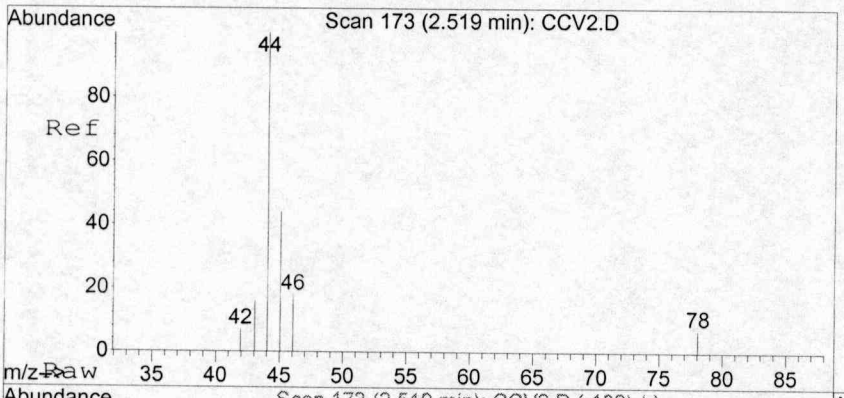
Tgt Ion:180 Resp: 29688

Ion	Ratio	Lower	Upper
180	100		
182	92.9	71.2	111.2
145	34.8	7.1	47.1





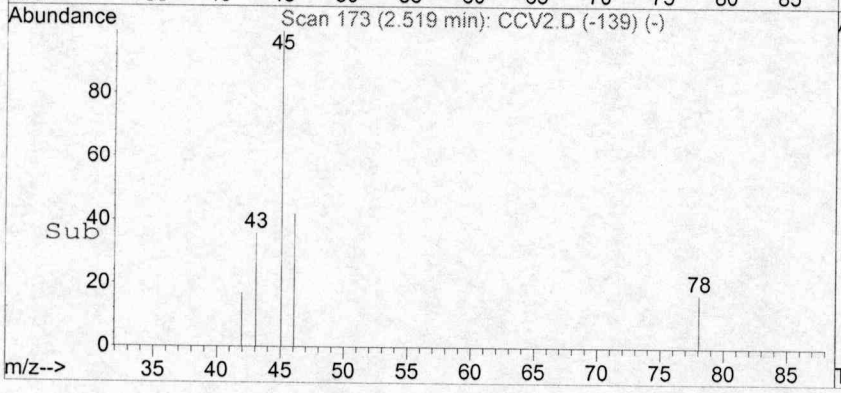


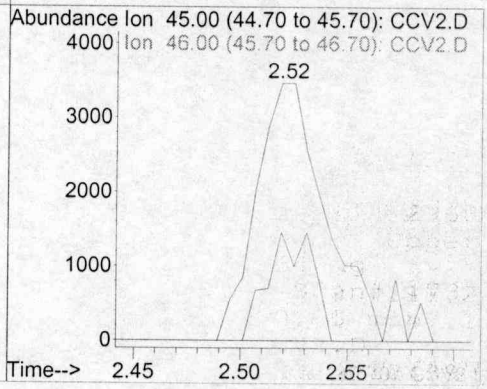


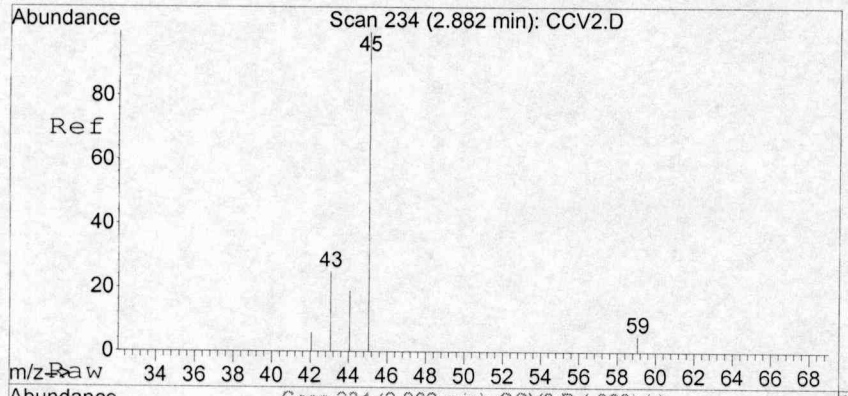
#78
Ethanol
Concen: 1895.64 ng
RT: 2.52 min Scan# 173
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 45 Resp: 7768

Ion	Ratio	Lower	Upper
45	100		
46	28.1	0.0	0.0#



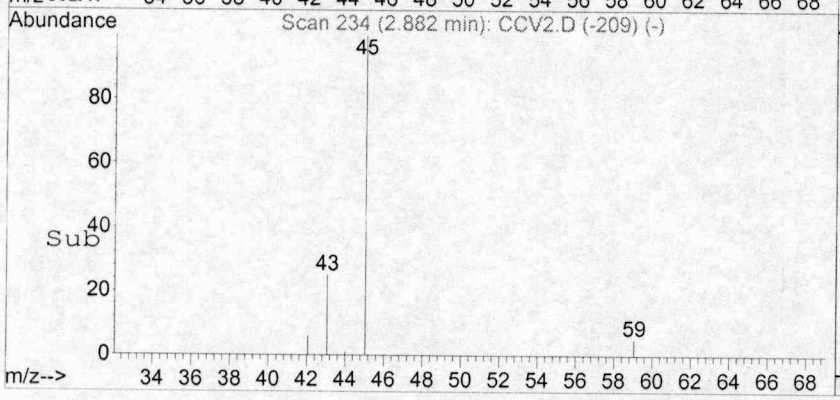


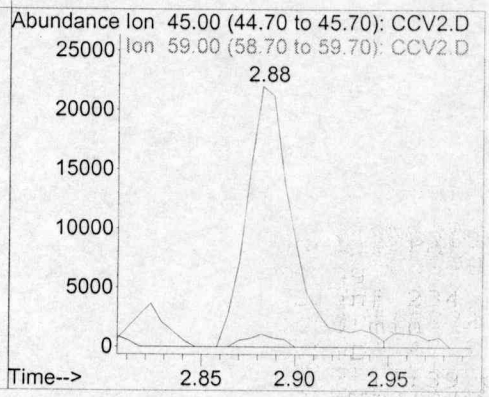


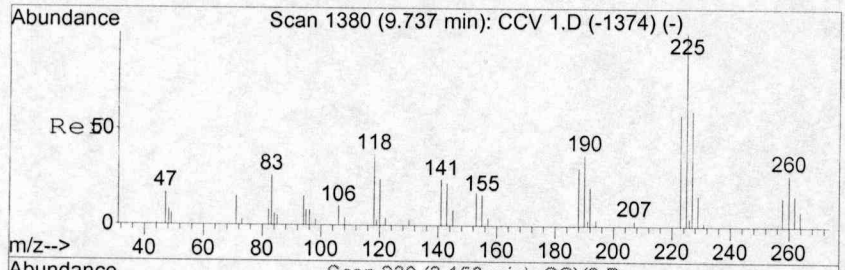
#79
Isopropyl Alcohol (IPA)
Concen: 1584.44 ng
RT: 2.88 min Scan# 234
Delta R.T. 0.00 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 45 Resp: 38069

Ion	Ratio	Lower	Upper
45	100		
59	3.5	0.0	0.0#



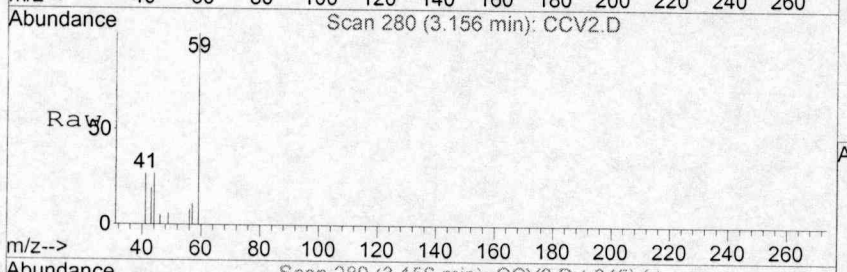


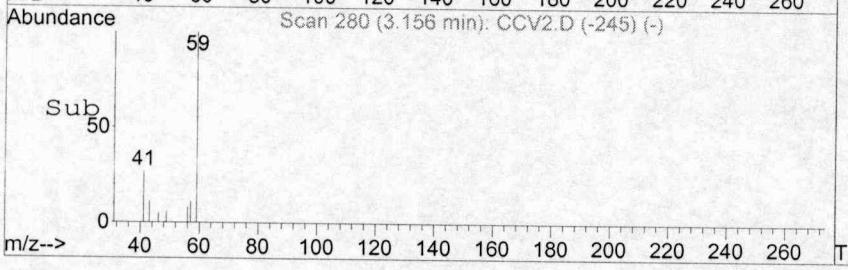


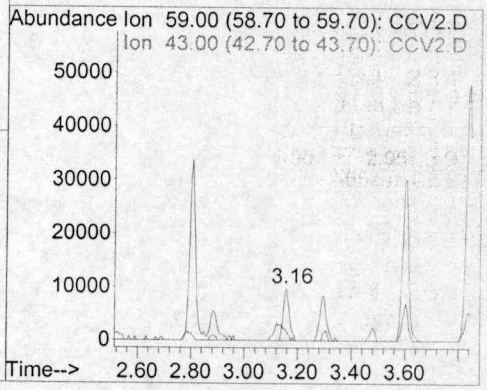
#80
t-Butanol *
Concen: 415.72 ng m
RT: 3.16 min Scan# 280
Delta R.T. 0.01 min
Lab File: CCV2.D
Acq: 13 Nov 2013 12:39 pm

Tgt Ion: 59 Resp: 18335

Ion	Ratio	Lower	Upper
59	100		
43	18.7	0.0	55.3







Quantitation Report (QT Reviewed)

Data Path : E:\data\111313\
Data File : BLK1.D
Acq On : 13 Nov 2013 1:34 pm
Operator : CS
Sample : EK31301-BLK1
Misc : 0.01
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 22 15:15:13 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 14:33:17 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	138974	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	44843	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	37538	50.00 ng	0.00
77) TBA-d9	3.10	65	22389	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	28373	53.87 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 107.74%		
27) 1,2-Dichloroethane-d4	4.50	65	25282	51.22 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 102.44%		
37) Toluene-d8	5.84	98	118635	49.25 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.50%		
55) 4-Bromofluorobenzene	7.86	174	28337	53.56 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 107.12%		

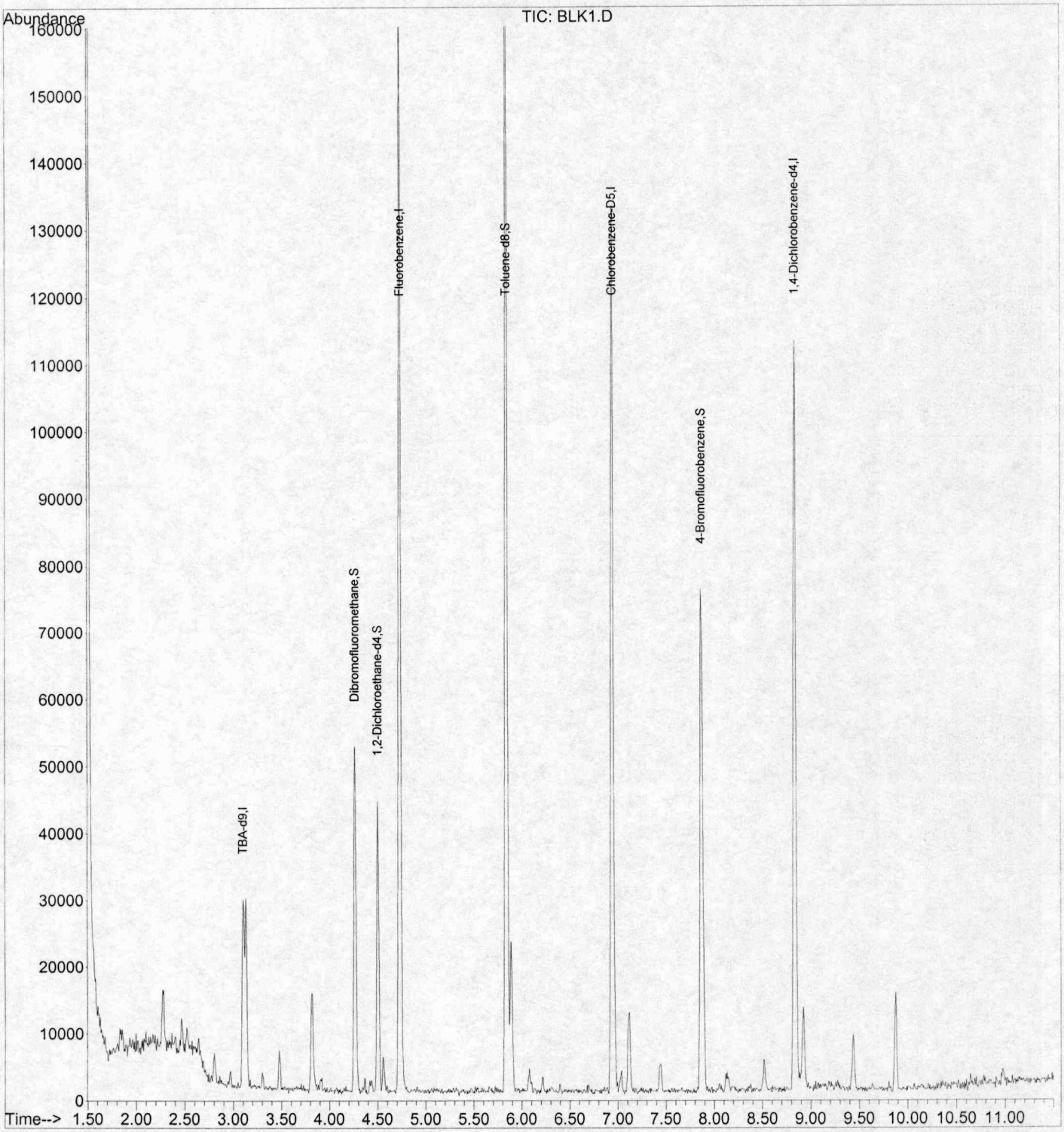
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : E:\data\111313\
Data File : BLK1.D
Acq On : 13 Nov 2013 1:34 pm
Operator : CS
Sample : EK31301-BLK1
Misc : 0.01
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 22 15:15:13 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 14:33:17 2013
Response via : Initial Calibration
InstName : GC MS #3



Quantitation Report (QT Reviewed)

Data Path : E:\data\111313\
Data File : 12-SV-5-1PV.D
Acq On : 13 Nov 2013 1:52 pm
Operator : CS
Sample : E311041-01
Misc : 0.01
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 22 15:19:19 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 14:33:17 2013
Response via : Initial Calibration
InstName : GC MS #3

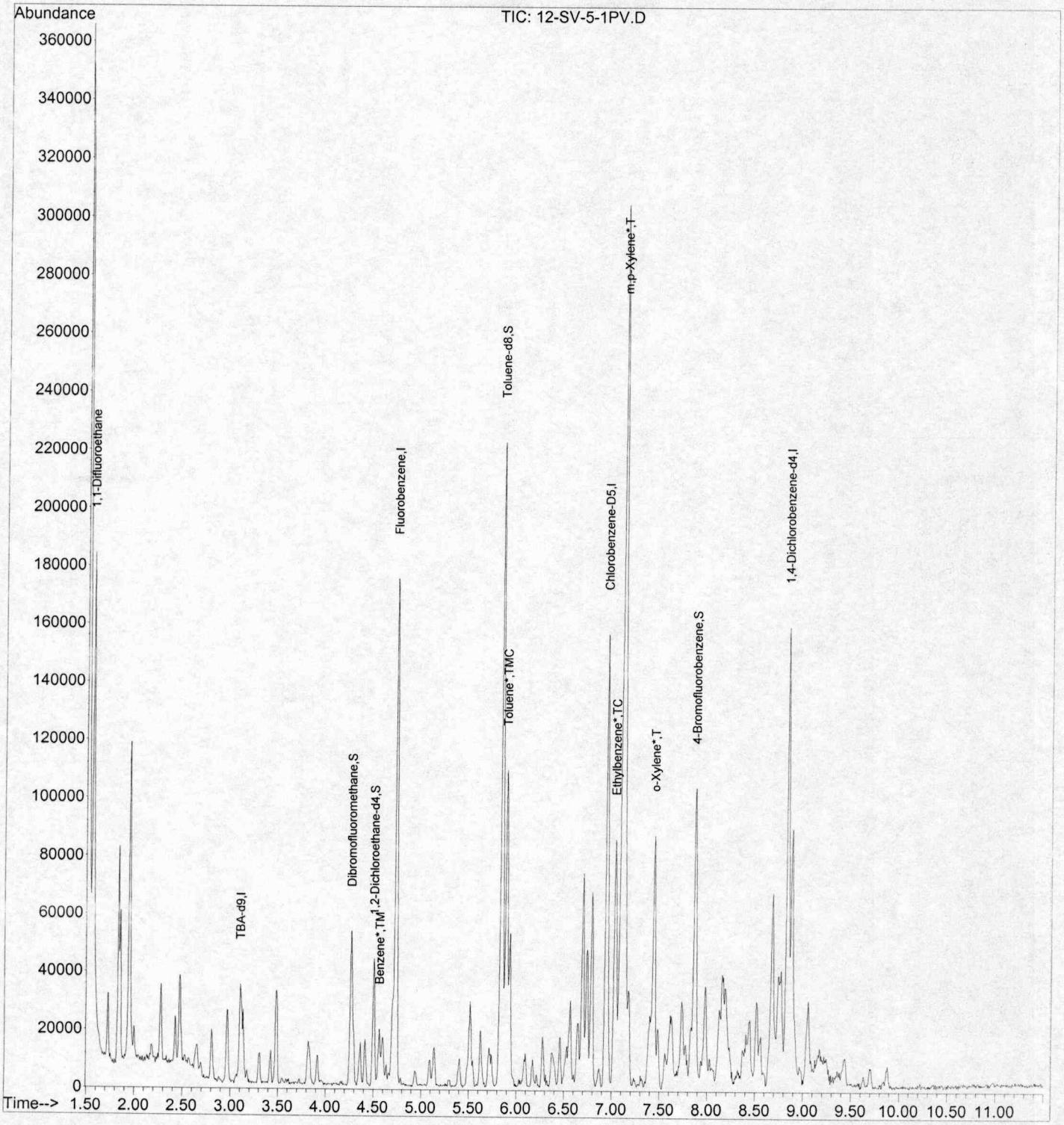
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	146196	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	51770	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	48200	50.00 ng	0.00
77) TBA-d9	3.10	65	22282	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	28560	51.55 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 103.10%		
27) 1,2-Dichloroethane-d4	4.50	65	26155	50.37 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 100.74%		
37) Toluene-d8	5.84	98	129170	50.98 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.96%		
55) 4-Bromofluorobenzene	7.87	174	32806	48.29 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 96.58%		
Target Compounds					Qvalue
2) 1,1-Difluoroethane	1.56	65	22402	47.27 ng	87
30) Benzene*	4.56	78	15059	5.15 ng	95
38) Toluene*	5.89	92	50582	23.51 ng	88
48) Ethylbenzene*	7.03	106	17227	14.81 ng	94
50) m,p-Xylene*	7.11	106	94993	61.33 ng	95
51) o-Xylene*	7.44	106	26402	19.43 ng	95

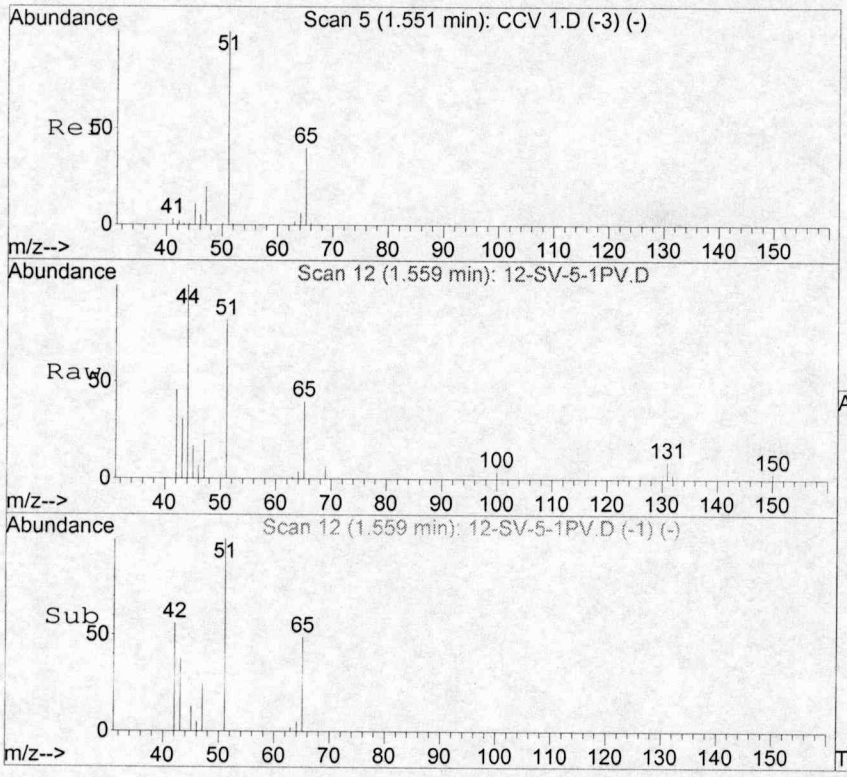
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111313\
Data File : 12-SV-5-1PV.D
Acq On : 13 Nov 2013 1:52 pm
Operator : CS
Sample : E311041-01
Misc : 0.01
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 22 15:19:19 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 14:33:17 2013
Response via : Initial Calibration
InstName : GC MS #3

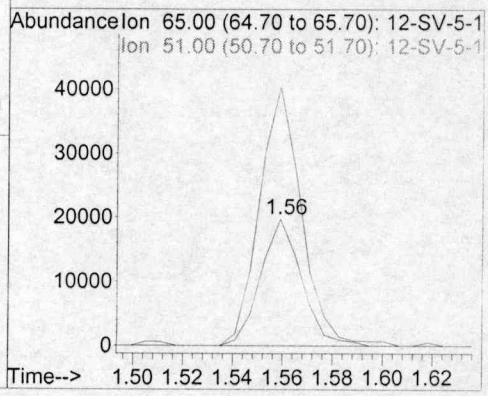


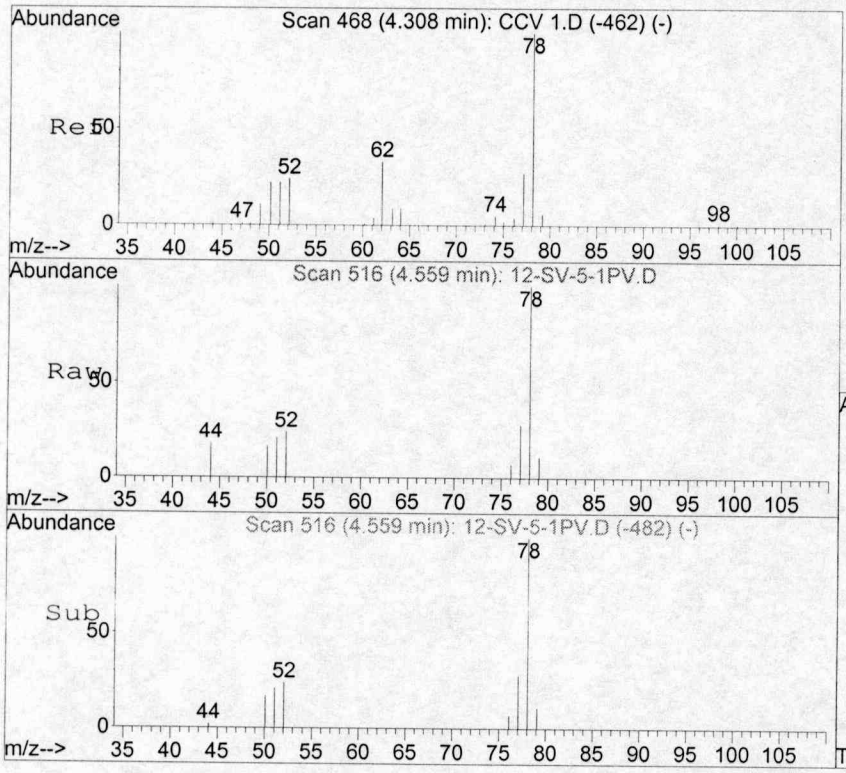


#2
1,1-Difluoroethane
Concen: 47.27 ng
RT: 1.56 min Scan# 12
Delta R.T. 0.01 min
Lab File: 12-SV-5-1PV.D
Acq: 13 Nov 2013 1:52 pm

Tgt Ion: 65 Resp: 22402

Ion	Ratio	Lower	Upper
65	100		
51	205.0	181.2	271.8

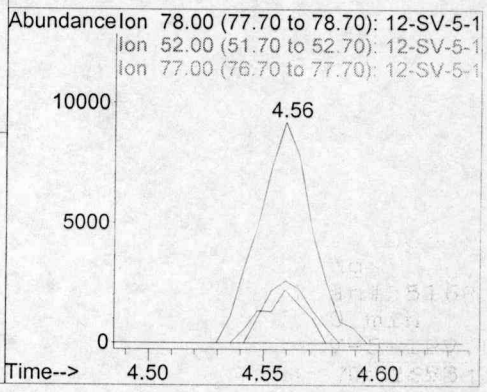


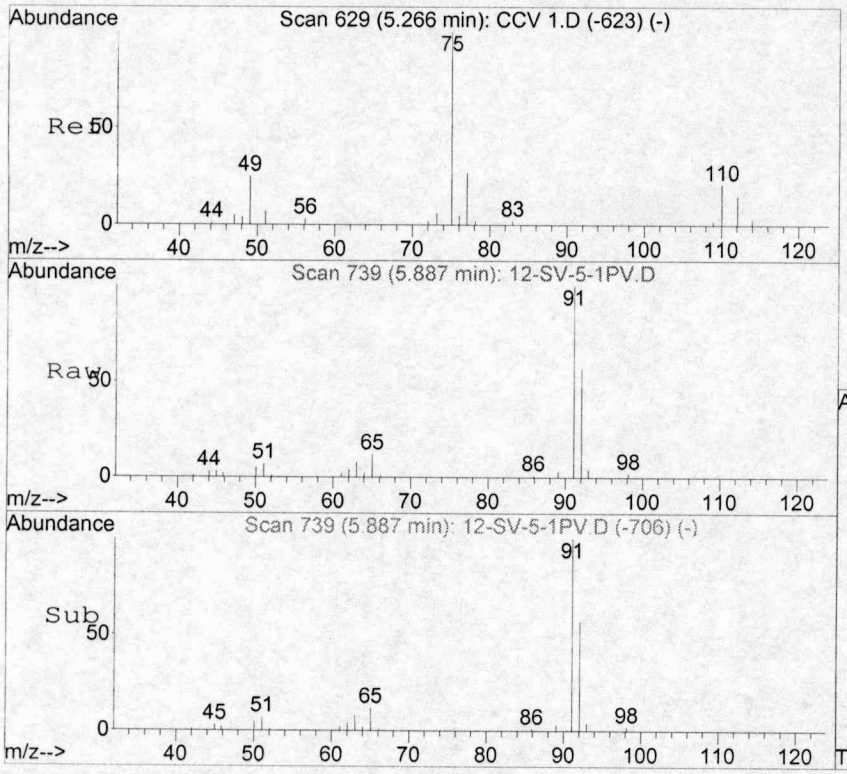


#30
Benzene*
Concen: 5.15 ng
RT: 4.56 min Scan# 516
Delta R.T. 0.00 min
Lab File: 12-SV-5-1PV.D
Acq: 13 Nov 2013 1:52 pm

Tgt Ion: 78 Resp: 15059

Ion	Ratio	Lower	Upper
78	100		
52	24.2	3.8	43.8
77	28.2	4.0	44.0

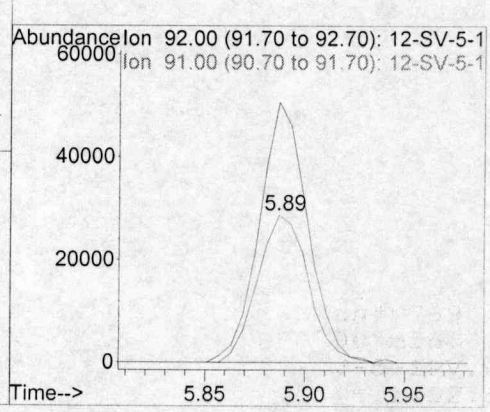


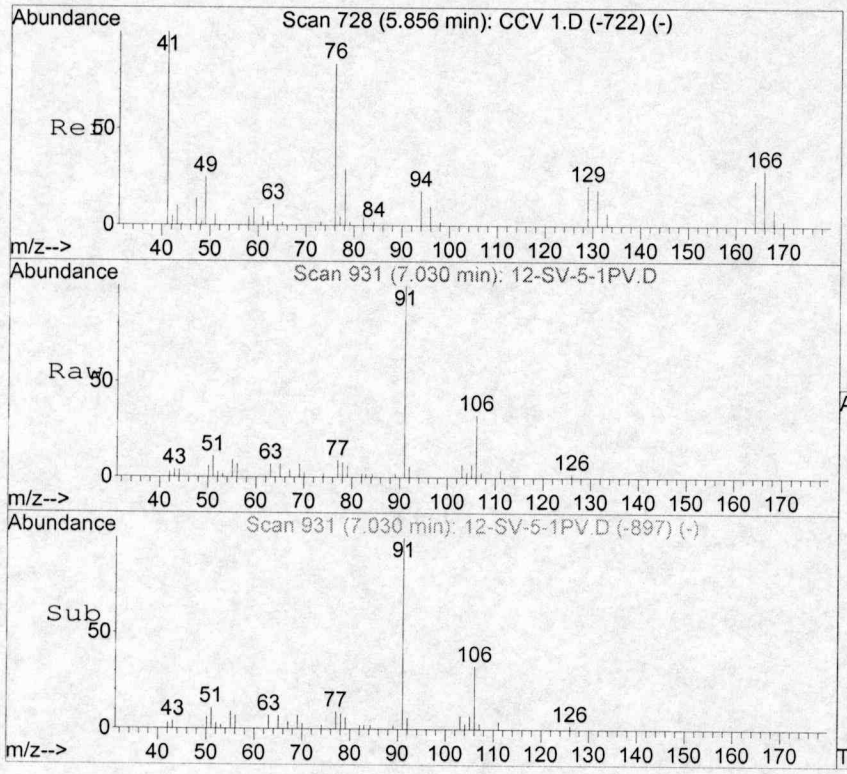


#38
Toluene*
Concen: 23.51 ng
RT: 5.89 min Scan# 739
Delta R.T. -0.00 min
Lab File: 12-SV-5-1PV.D
Acq: 13 Nov 2013 1:52 pm

Tgt Ion: 92 Resp: 50582

Ion	Ratio	Lower	Upper
92	100		
91	176.4	130.7	190.7

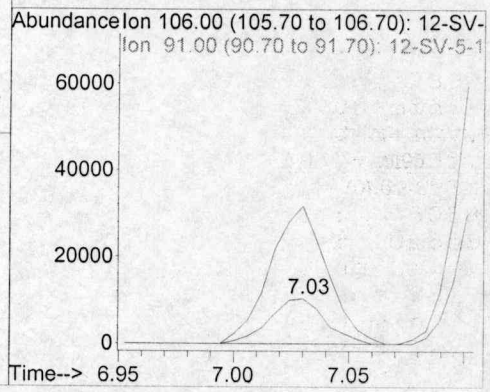


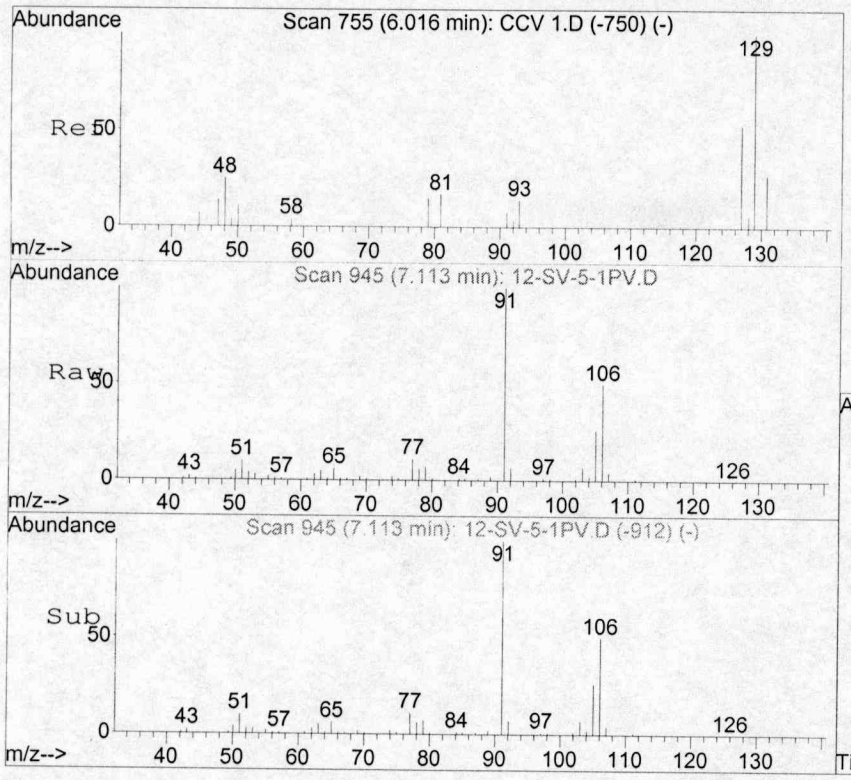


#48
Ethylbenzene*
Concen: 14.81 ng
RT: 7.03 min Scan# 931
Delta R.T. 0.00 min
Lab File: 12-SV-5-1PV.D
Acq: 13 Nov 2013 1:52 pm

Tgt Ion:106 Resp: 17227

Ion	Ratio	Lower	Upper
106	100		
91	307.5	288.8	348.8

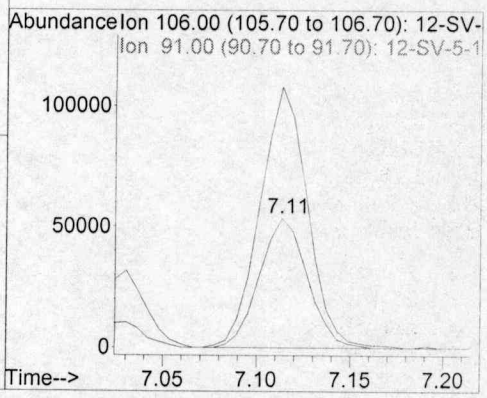


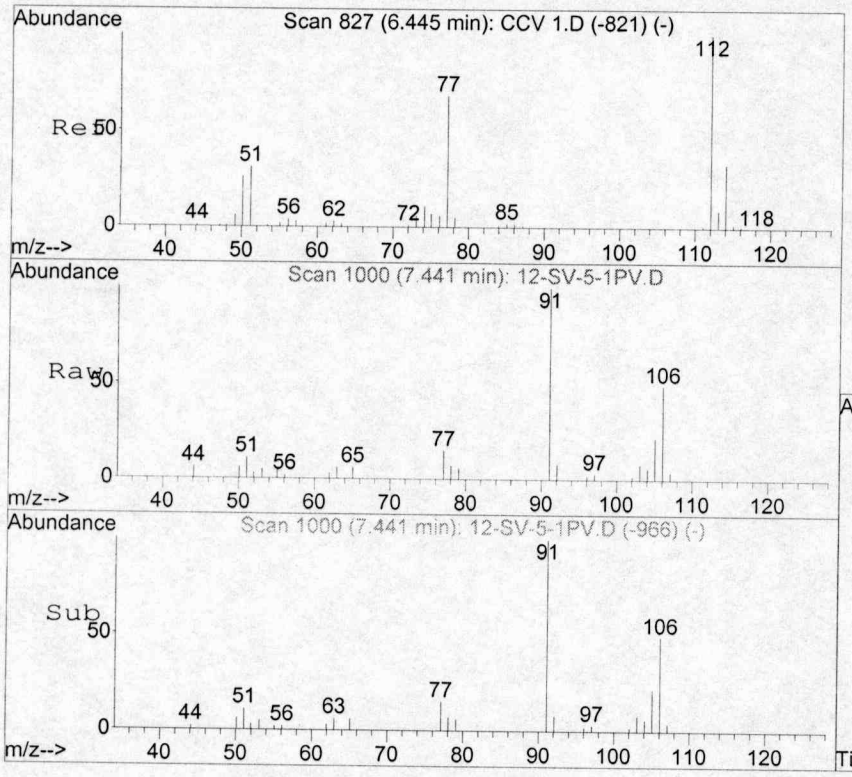


#50
m,p-Xylene*
Concen: 61.33 ng
RT: 7.11 min Scan# 945
Delta R.T. -0.00 min
Lab File: 12-SV-5-1PV.D
Acq: 13 Nov 2013 1:52 pm

Tgt Ion:106 Resp: 94993

Ion	Ratio	Lower	Upper
106	100		
91	201.1	163.0	223.0

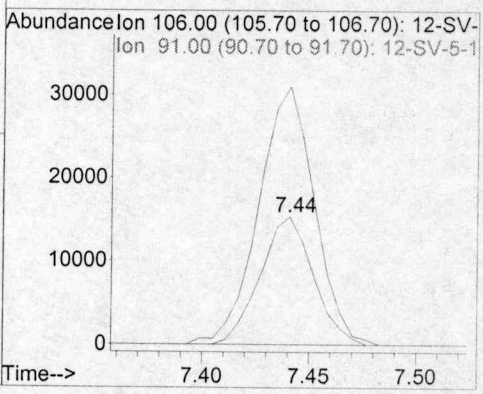




#51
o-Xylene*
Concen: 19.43 ng
RT: 7.44 min Scan# 1000
Delta R.T. 0.00 min
Lab File: 12-SV-5-1PV.D
Acq: 13 Nov 2013 1:52 pm

Tgt Ion:106 Resp: 26402

Ion	Ratio	Lower	Upper
106	100		
91	202.2	180.2	240.2



Quantitation Report (QT Reviewed)

Data Path : E:\data\111313\
Data File : 12-SV-5-3PV.D
Acq On : 13 Nov 2013 2:10 pm
Operator : CS
Sample : E311041-02
Misc : 0.01
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 22 15:23:47 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 14:33:17 2013
Response via : Initial Calibration
InstName : GC MS #3

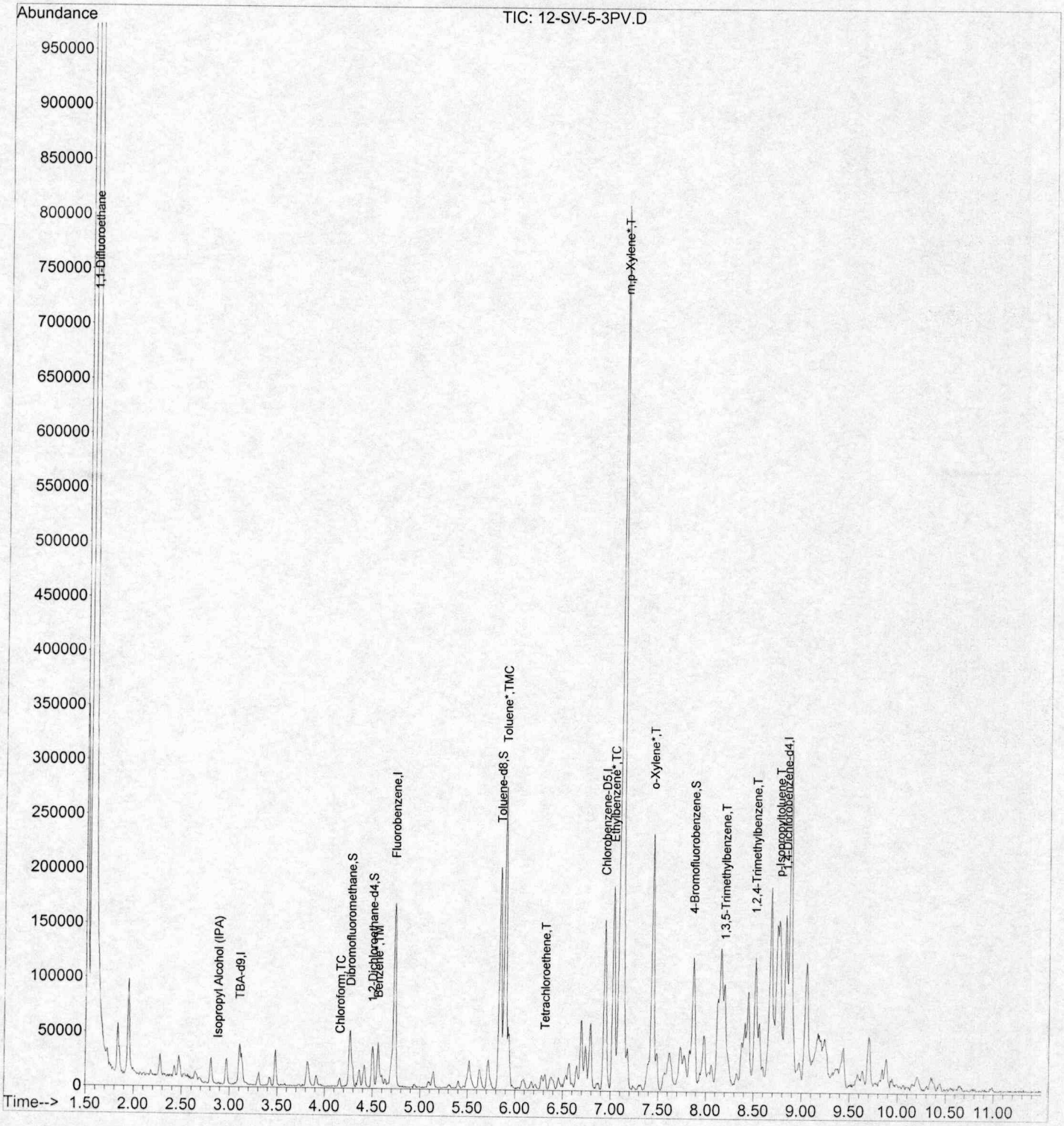
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	142755	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	49743	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	44352	50.00 ng	0.00
77) TBA-d9	3.10	65	21212	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.27	113	28552	52.77 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 105.54%		
27) 1,2-Dichloroethane-d4	4.50	65	24014	47.36 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 94.72%		
37) Toluene-d8	5.84	98	127268	51.44 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 102.88%		
55) 4-Bromofluorobenzene	7.87	174	32115	51.38 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 102.76%		
Target Compounds					Qvalue
2) 1,1-Difluoroethane	1.56	65	4311557	9317.56 ng #	42
21) Chloroform	4.15	83	3917	3.35 ng	93
30) Benzene*	4.56	78	29922	10.49 ng	96
38) Toluene*	5.89	92	123841	58.95 ng	94
45) Tetrachloroethene	6.31	164	2691	3.12 ng	88
48) Ethylbenzene*	7.03	106	39996	35.78 ng	98
50) m,p-Xylene*	7.12	106	255448	171.65 ng	96
51) o-Xylene*	7.44	106	69164	52.98 ng	91
61) 1,3,5-Trimethylbenzene	8.19	105	35865	13.24 ng	93
65) 1,2,4-Trimethylbenzene	8.52	105	76176	29.78 ng	93
67) p-Isopropyltoluene	8.77	119	97290	31.70 ng	93
79) Isopropyl Alcohol (IPA)	2.88	45	817	45.15 ng #	100

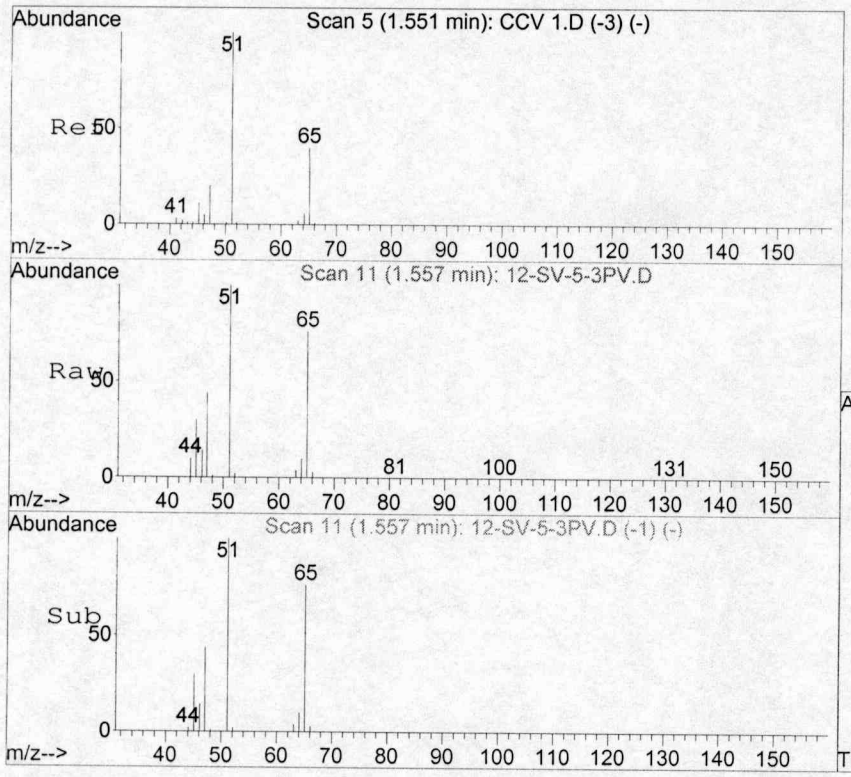
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111313\
Data File : 12-SV-5-3PV.D
Acq On : 13 Nov 2013 2:10 pm
Operator : CS
Sample : E311041-02
Misc : 0.01
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 22 15:23:47 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 14:33:17 2013
Response via : Initial Calibration
InstName : GC MS #3

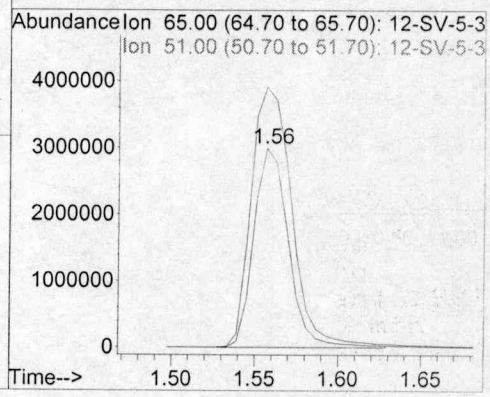


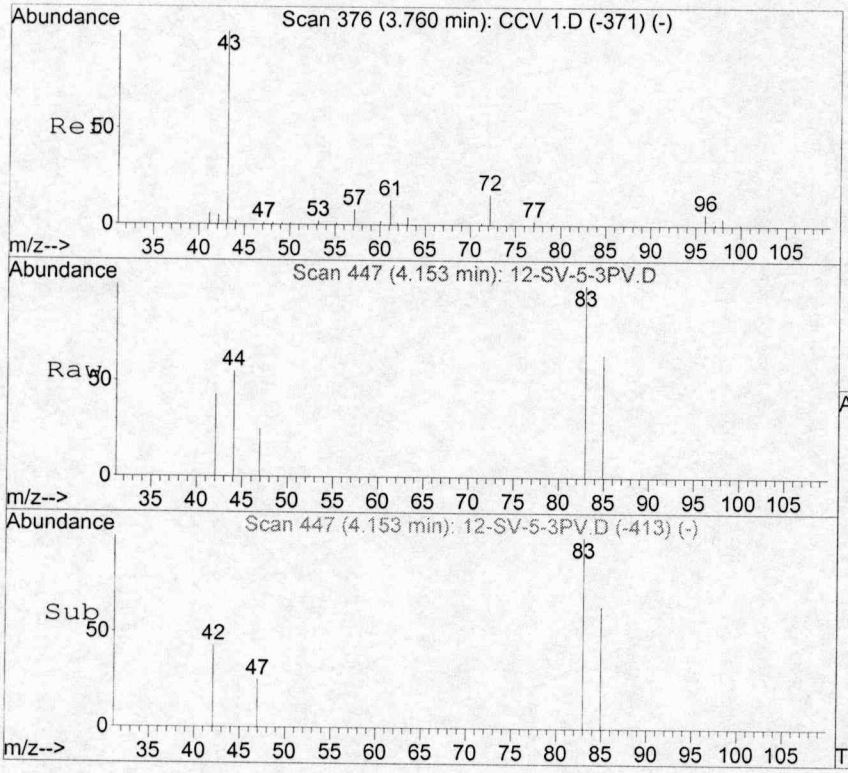


#2
1,1-Difluoroethane
Concen: 9317.56 ng
RT: 1.56 min Scan# 11
Delta R.T. 0.00 min
Lab File: 12-SV-5-3PV.D
Acq: 13 Nov 2013 2:10 pm

Tgt Ion: 65 Resp: 4311557

Ion	Ratio	Lower	Upper
65	100		
51	130.8	181.2	271.8#

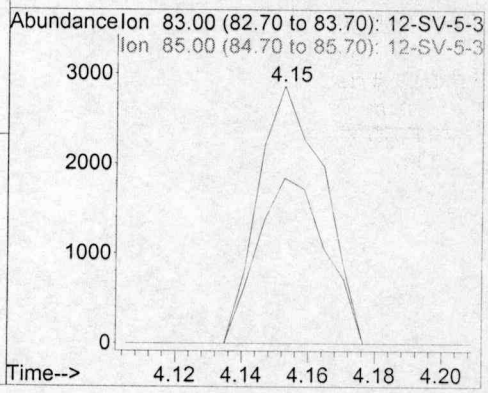


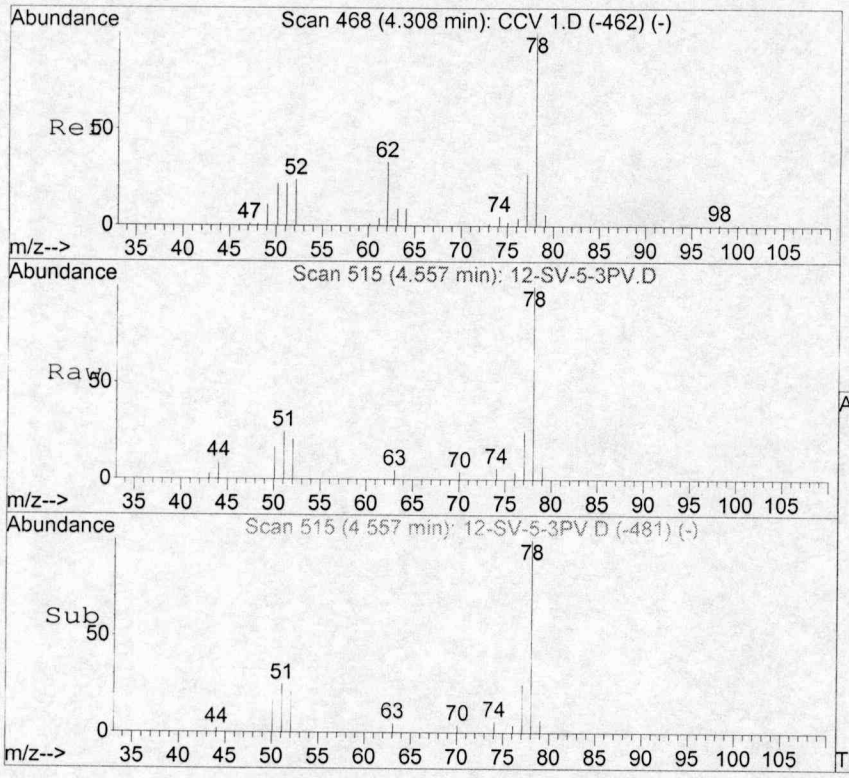


#21
Chloroform
Concen: 3.35 ng
RT: 4.15 min Scan# 447
Delta R.T. 0.00 min
Lab File: 12-SV-5-3PV.D
Acq: 13 Nov 2013 2:10 pm

Tgt Ion: 83 Resp: 3917

Ion	Ratio	Lower	Upper
83	100		
85	64.3	40.2	100.2

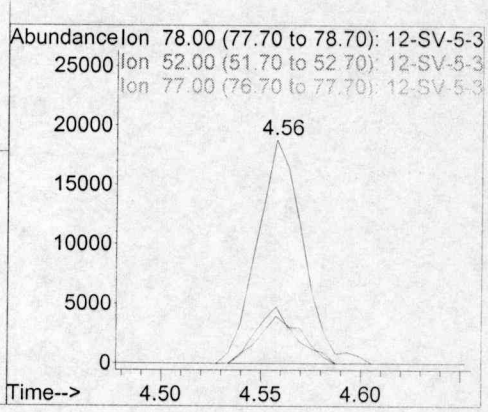


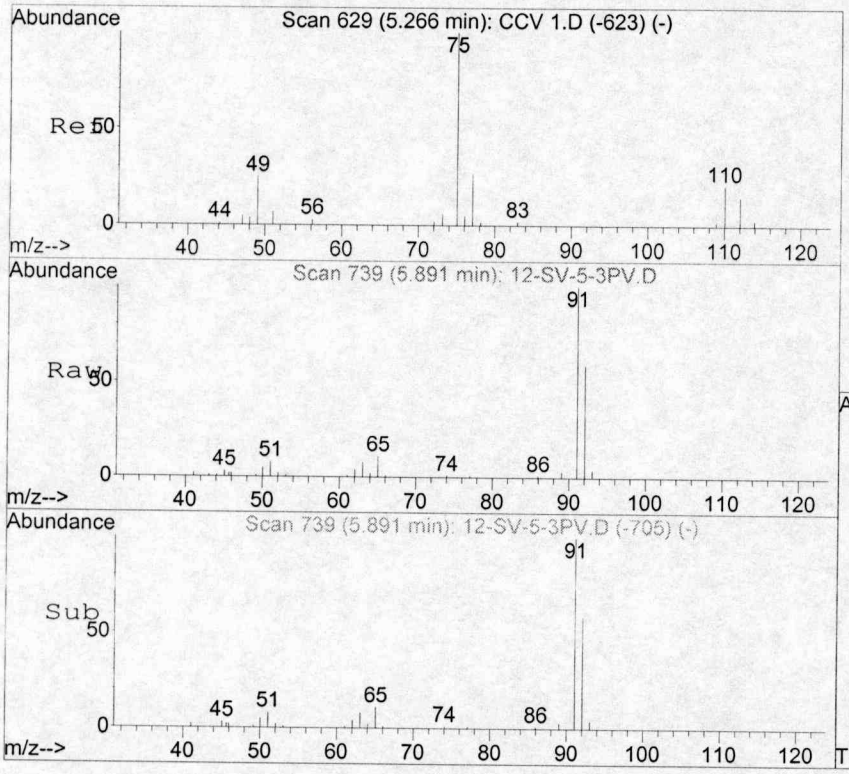


#30
Benzene*
Concen: 10.49 ng
RT: 4.56 min Scan# 515
Delta R.T. 0.00 min
Lab File: 12-SV-5-3PV.D
Acq: 13 Nov 2013 2:10 pm

Tgt Ion: 78 Resp: 29922

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

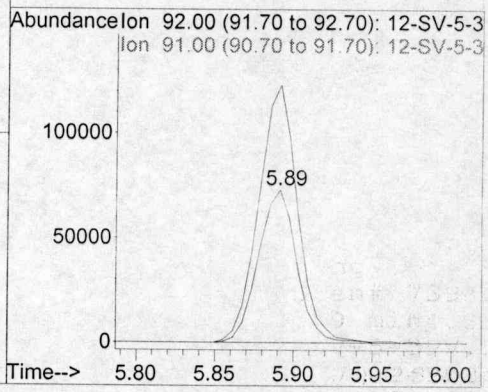


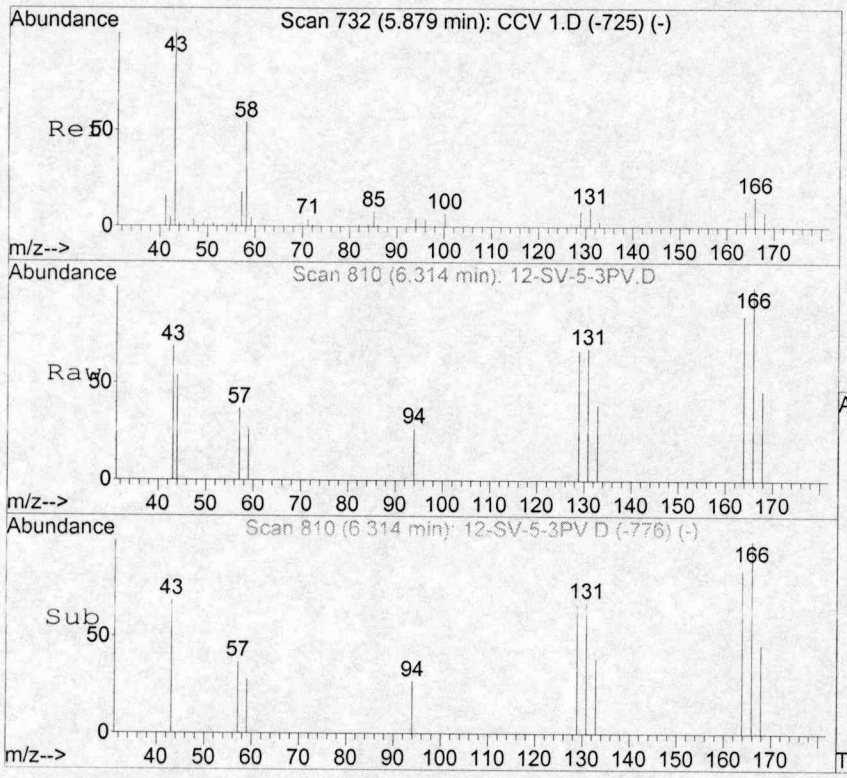


#38
Toluene*
Concen: 58.95 ng
RT: 5.89 min Scan# 739
Delta R.T. 0.00 min
Lab File: 12-SV-5-3PV.D
Acq: 13 Nov 2013 2:10 pm

Tgt Ion: 92 Resp: 123841

Ion	Ratio	Lower	Upper
92	100		
91	168.1	130.7	190.7

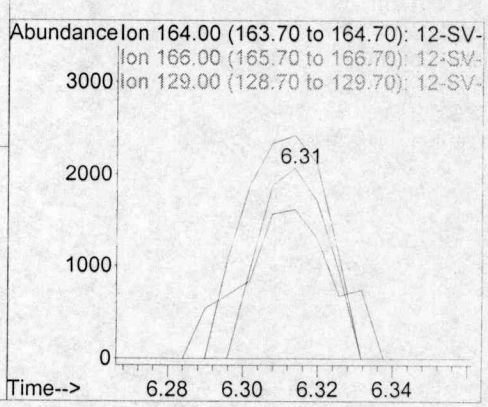


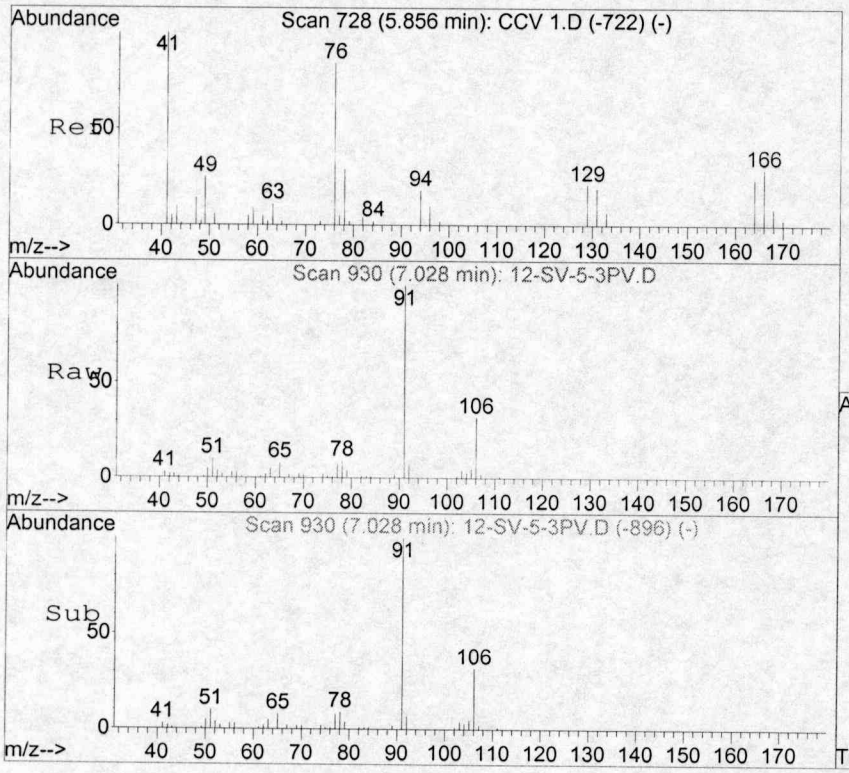


#45
Tetrachloroethene
Concen: 3.12 ng
RT: 6.31 min Scan# 810
Delta R.T. 0.00 min
Lab File: 12-SV-5-3PV.D
Acq: 13 Nov 2013 2:10 pm

Tgt Ion:164 Resp: 2691

Ion	Ratio	Lower	Upper
164	100		
166	117.2	100.1	160.1
129	78.2	59.7	119.7

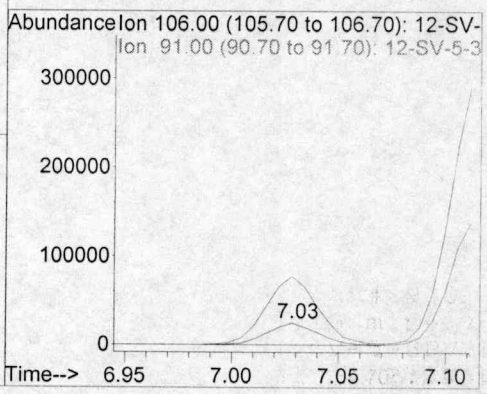


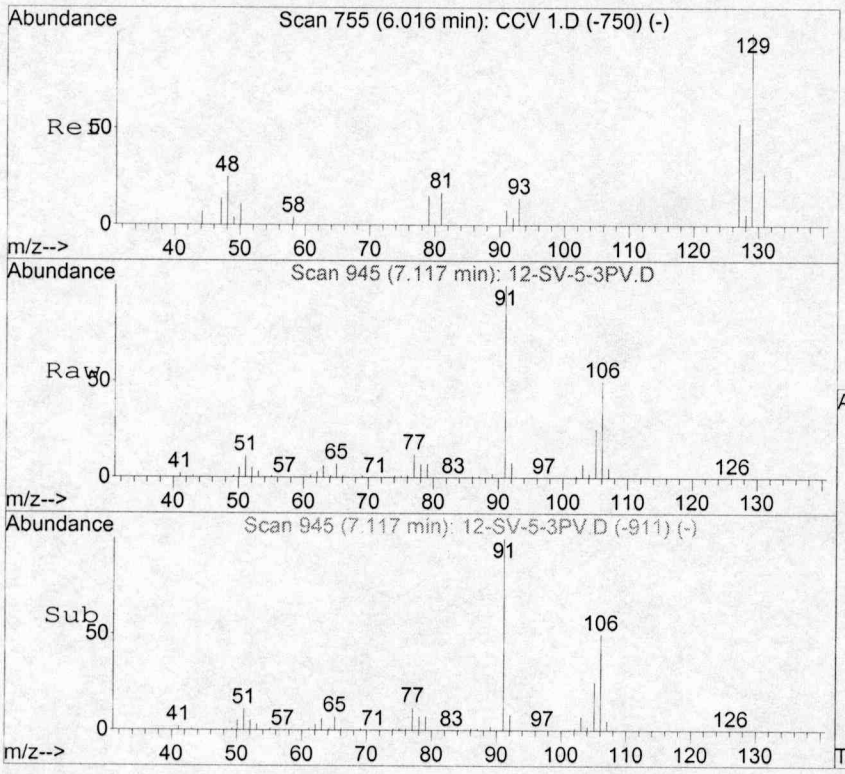


#48
Ethylbenzene*
Concen: 35.78 ng
RT: 7.03 min Scan# 930
Delta R.T. 0.00 min
Lab File: 12-SV-5-3PV.D
Acq: 13 Nov 2013 2:10 pm

Tgt Ion:106 Resp: 39996

Ion	Ratio	Lower	Upper
106	100		
91	315.2	288.8	348.8

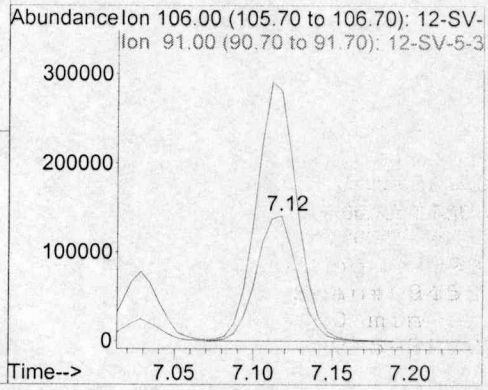


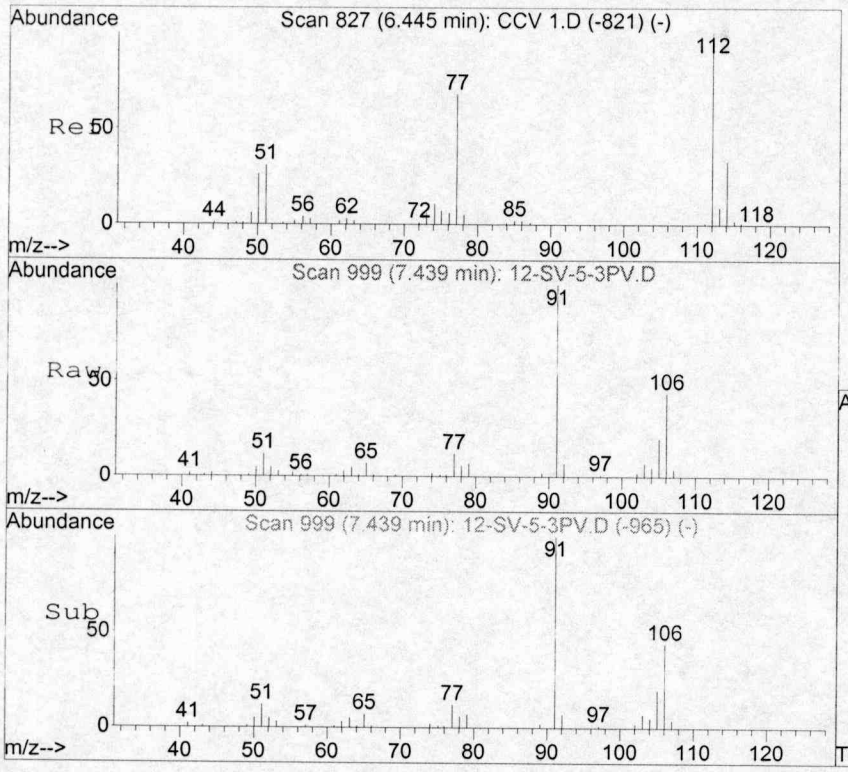


#50
m,p-Xylene*
Concen: 171.65 ng
RT: 7.12 min Scan# 945
Delta R.T. 0.00 min
Lab File: 12-SV-5-3PV.D
Acq: 13 Nov 2013 2:10 pm

Tgt Ion:106 Resp: 255448

Ion	Ratio	Lower	Upper
106	100		
91	198.5	163.0	223.0

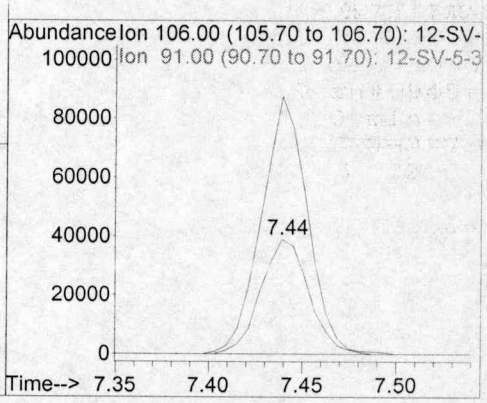


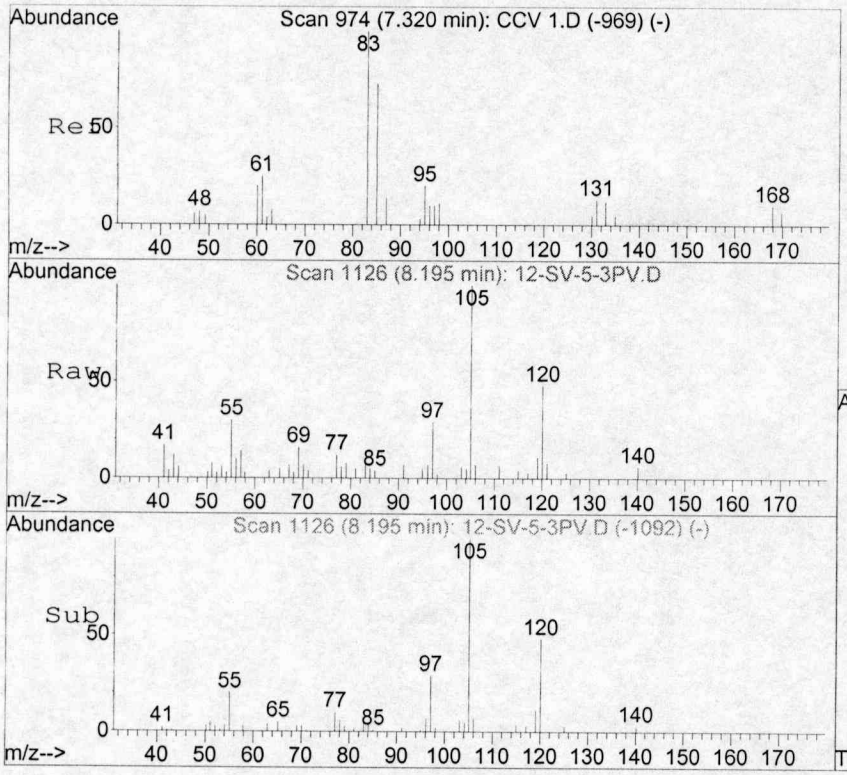


#51
o-Xylene*
Concen: 52.98 ng
RT: 7.44 min Scan# 999
Delta R.T. 0.00 min
Lab File: 12-SV-5-3PV.D
Acq: 13 Nov 2013 2:10 pm

Tgt Ion:106 Resp: 69164

Ion	Ratio	Lower	Upper
106	100		
91	224.8	180.2	240.2

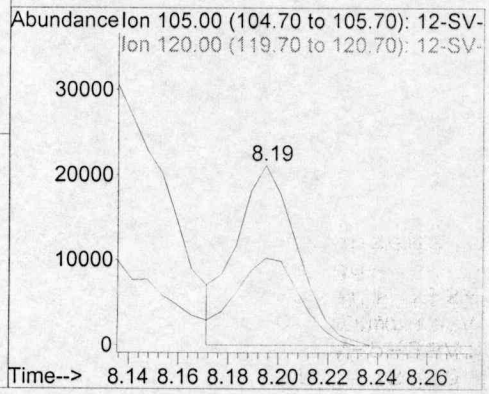


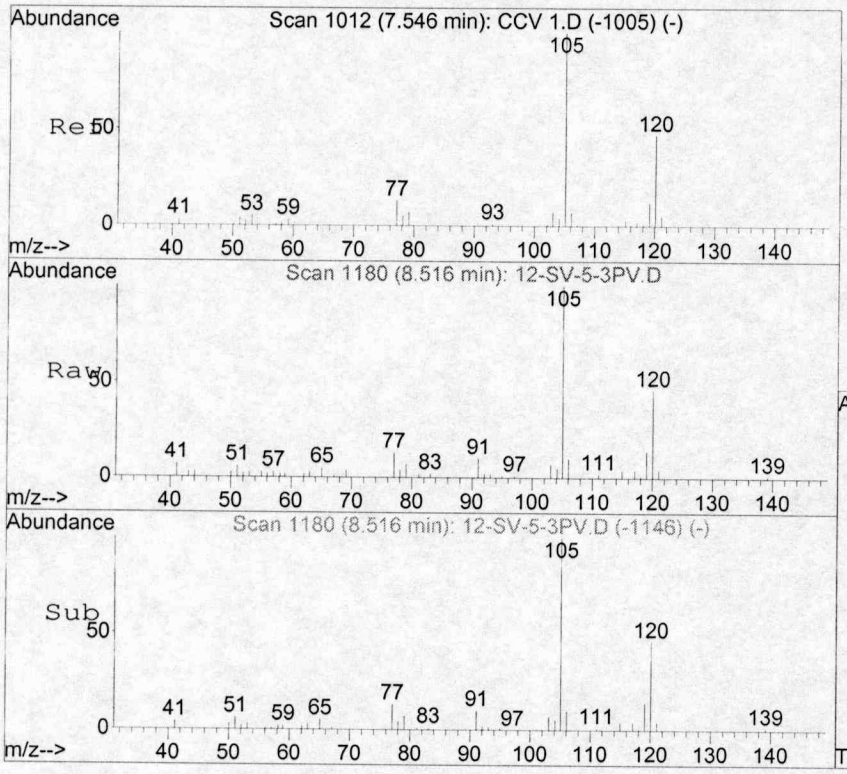


#61
1,3,5-Trimethylbenzene
Concen: 13.24 ng
RT: 8.19 min Scan# 1126
Delta R.T. 0.00 min
Lab File: 12-SV-5-3PV.D
Acq: 13 Nov 2013 2:10 pm

Tgt Ion:105 Resp: 35865

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.6	83.6

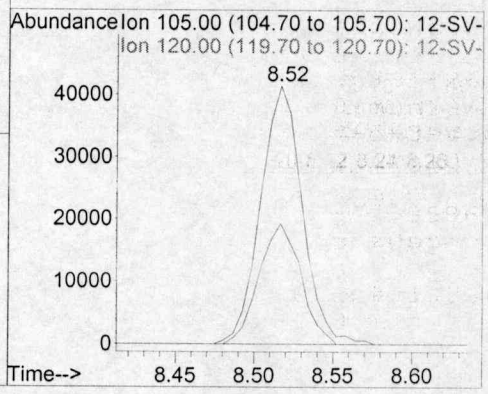


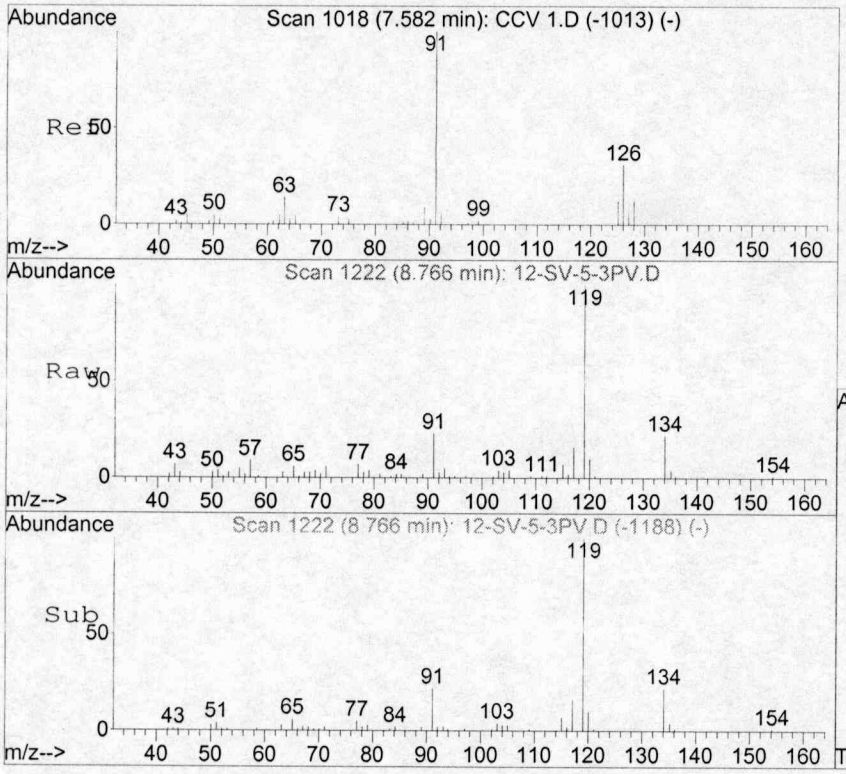


#65
1,2,4-Trimethylbenzene
Concen: 29.78 ng
RT: 8.52 min Scan# 1180
Delta R.T. 0.00 min
Lab File: 12-SV-5-3PV.D
Acq: 13 Nov 2013 2:10 pm

Tgt Ion:105 Resp: 76176

Ion	Ratio	Lower	Upper
105	100		
120	46.5	21.3	81.3

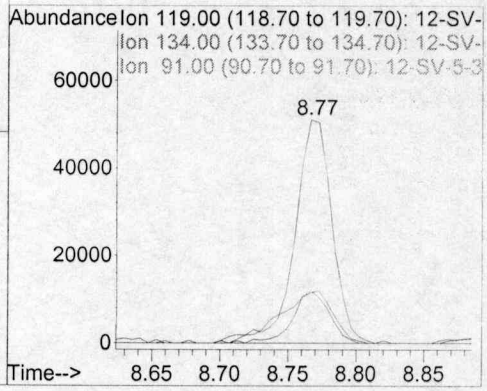


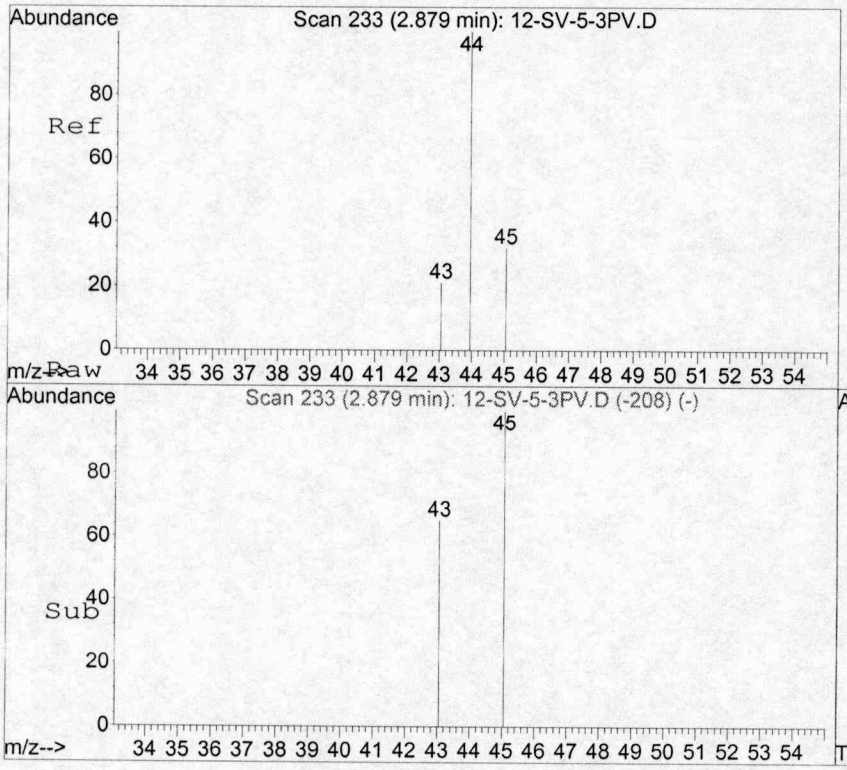


#67
p-Isopropyltoluene
Concen: 31.70 ng
RT: 8.77 min Scan# 1222
Delta R.T. 0.00 min
Lab File: 12-SV-5-3PV.D
Acq: 13 Nov 2013 2:10 pm

Tgt Ion:119 Resp: 97290

Ion	Ratio	Lower	Upper
119	100		
134	22.3	0.0	58.2
91	23.3	0.0	52.0

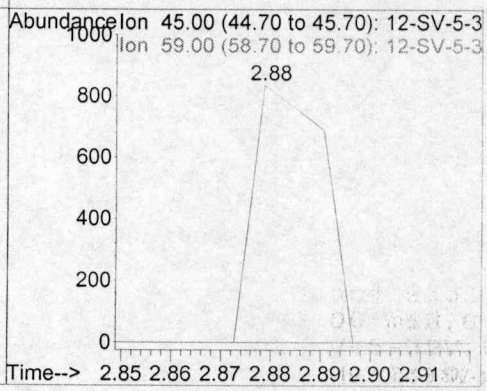




#79
Isopropyl Alcohol (IPA)
Concen: 45.15 ng
RT: 2.88 min Scan# 233
Delta R.T. -0.00 min
Lab File: 12-SV-5-3PV.D
Acq: 13 Nov 2013 2:10 pm

Tgt Ion: 45 Resp: 817

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	0.0



Quantitation Report (QT Reviewed)

Data Path : E:\data\111313\
Data File : 12-SV-5-10PV.D
Acq On : 13 Nov 2013 2:58 pm
Operator : CS
Sample : E311041-03
Misc : 0.01
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 22 15:39:40 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 15:16:26 2013
Response via : Initial Calibration
InstName : GC MS #3

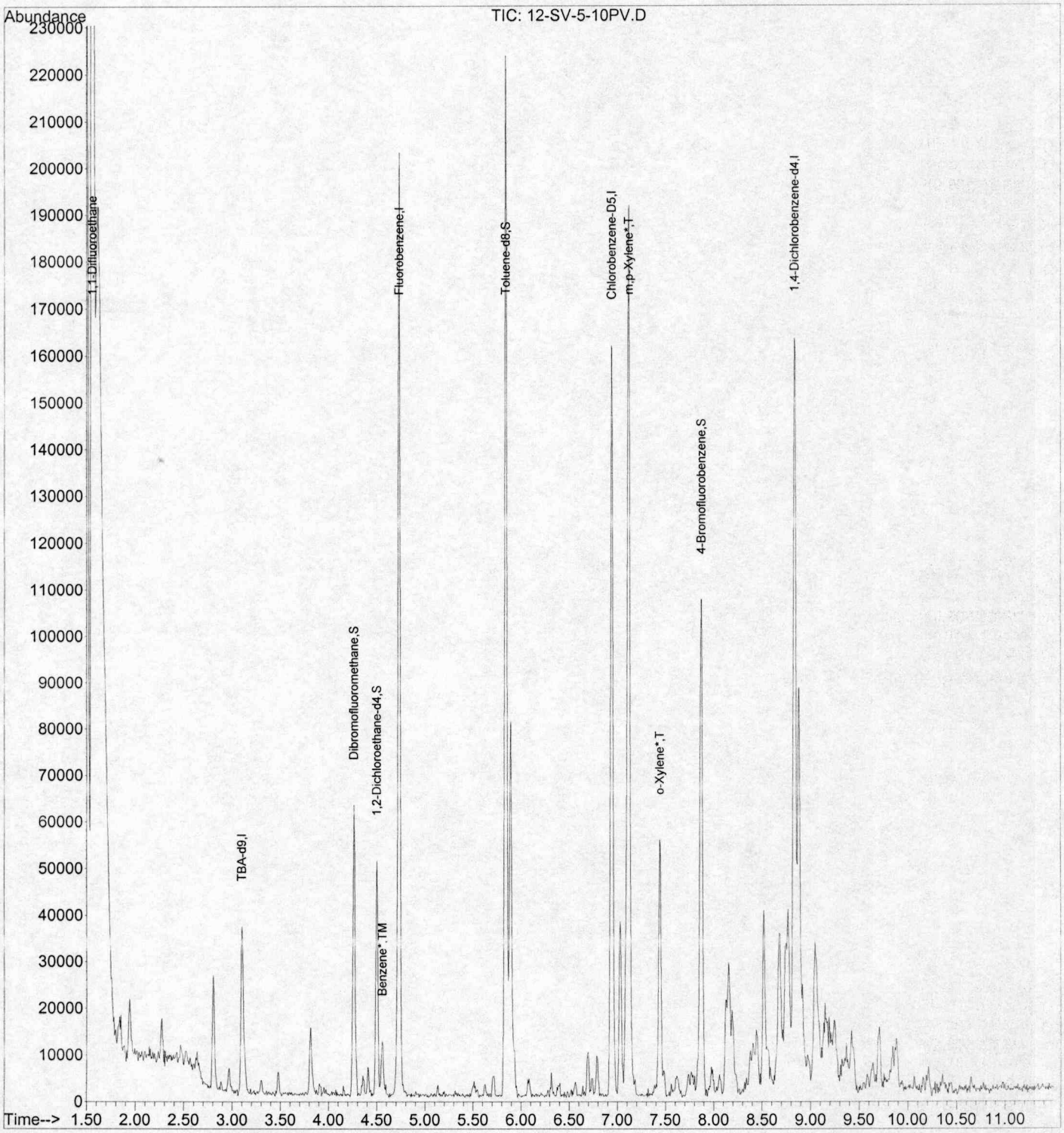
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	157139	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	55330	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.84	152	54667	50.00 ng	0.00
77) TBA-d9	3.10	65	29259	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	31229	52.44 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 104.88%		
27) 1,2-Dichloroethane-d4	4.50	65	30443	54.54 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 109.08%		
37) Toluene-d8	5.84	98	136620	50.16 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.32%		
55) 4-Bromofluorobenzene	7.87	174	35971	46.69 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 93.38%		
Target Compounds					Qvalue
2) 1,1-Difluoroethane	1.56	65	768789	1509.33 ng	80
30) Benzene*	4.56	78	10856	3.46 ng	89
50) m,p-Xylene*	7.12	106	64158	38.76 ng	94
51) o-Xylene*	7.44	106	18372	12.65 ng	100

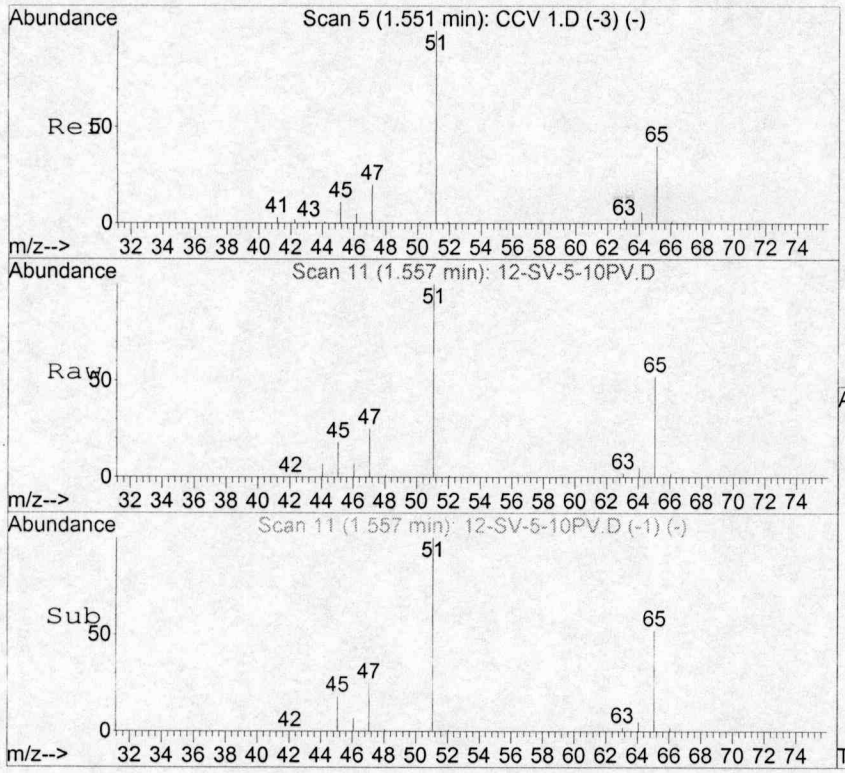
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111313\
Data File : 12-SV-5-10PV.D
Acq On : 13 Nov 2013 2:58 pm
Operator : CS
Sample : E311041-03
Misc : 0.01
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 22 15:39:40 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 15:16:26 2013
Response via : Initial Calibration
InstName : GC MS #3

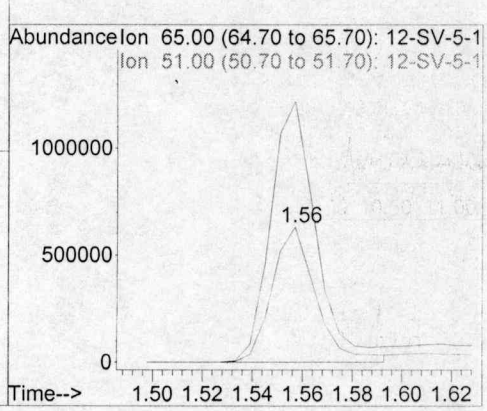


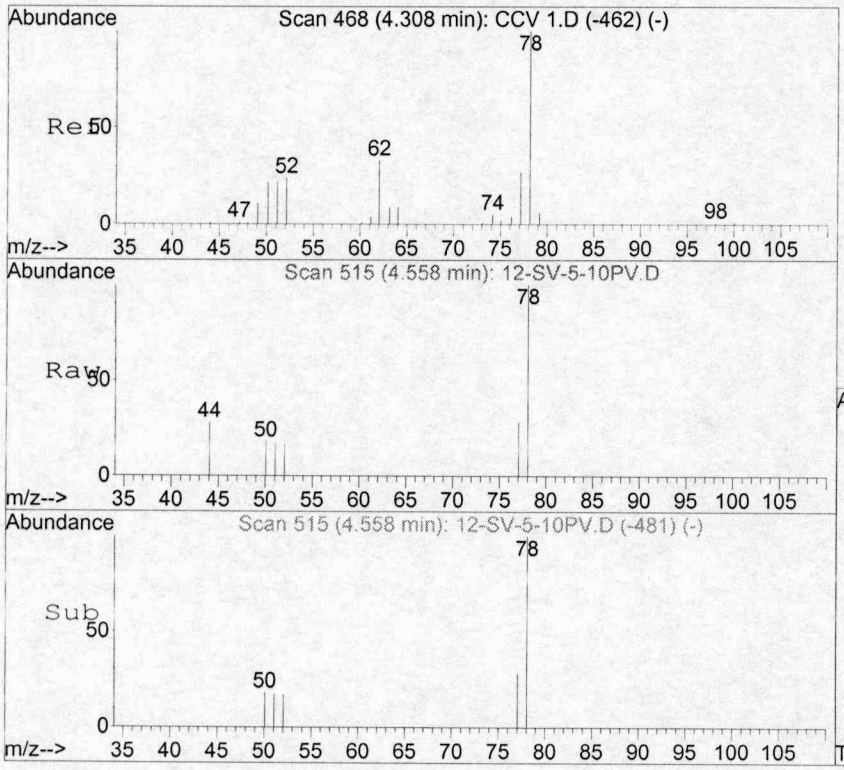


#2
1,1-Difluoroethane
Concen: 1509.33 ng
RT: 1.56 min Scan# 11
Delta R.T. 0.00 min
Lab File: 12-SV-5-10PV.D
Acq: 13 Nov 2013 2:58 pm

Tgt Ion: 65 Resp: 768789

Ion	Ratio	Lower	Upper
65	100		
51	193.4	181.2	271.8

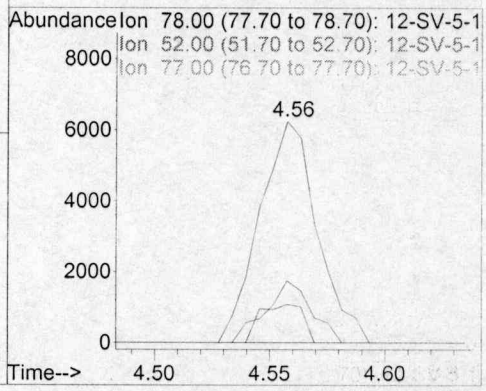


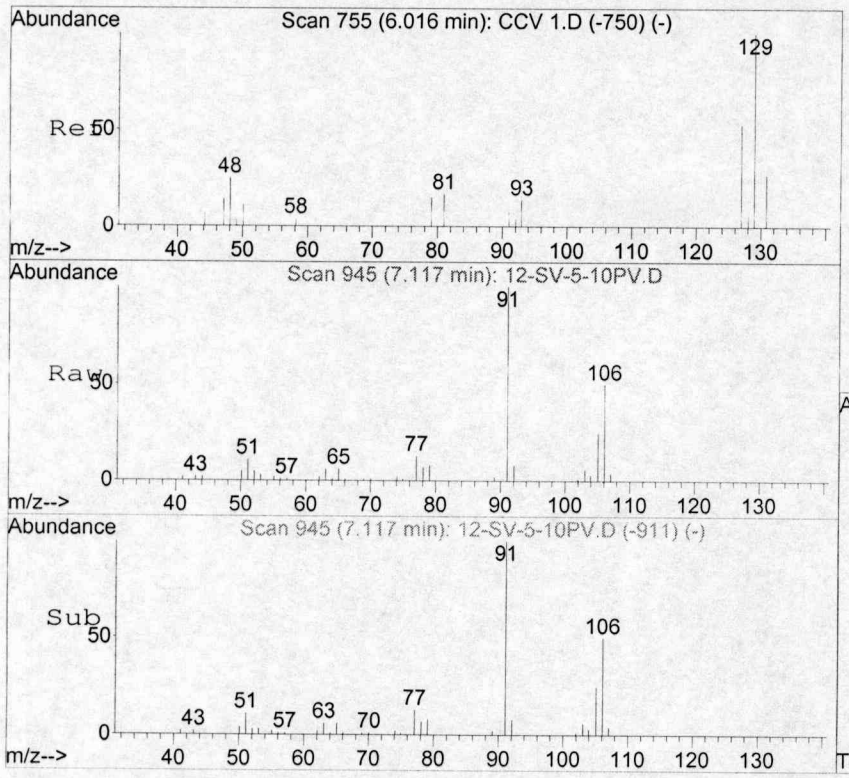


#30
Benzene*
Concen: 3.46 ng
RT: 4.56 min Scan# 515
Delta R.T. 0.00 min
Lab File: 12-SV-5-10PV.D
Acq: 13 Nov 2013 2:58 pm

Tgt Ion: 78 Resp: 10856

Ion	Ratio	Lower	Upper
78	100		
52	17.3	3.8	43.8
77	28.0	4.0	44.0

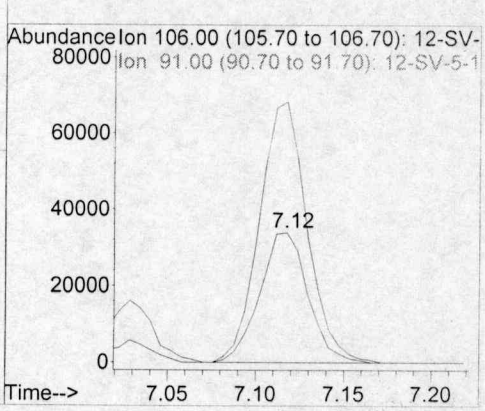


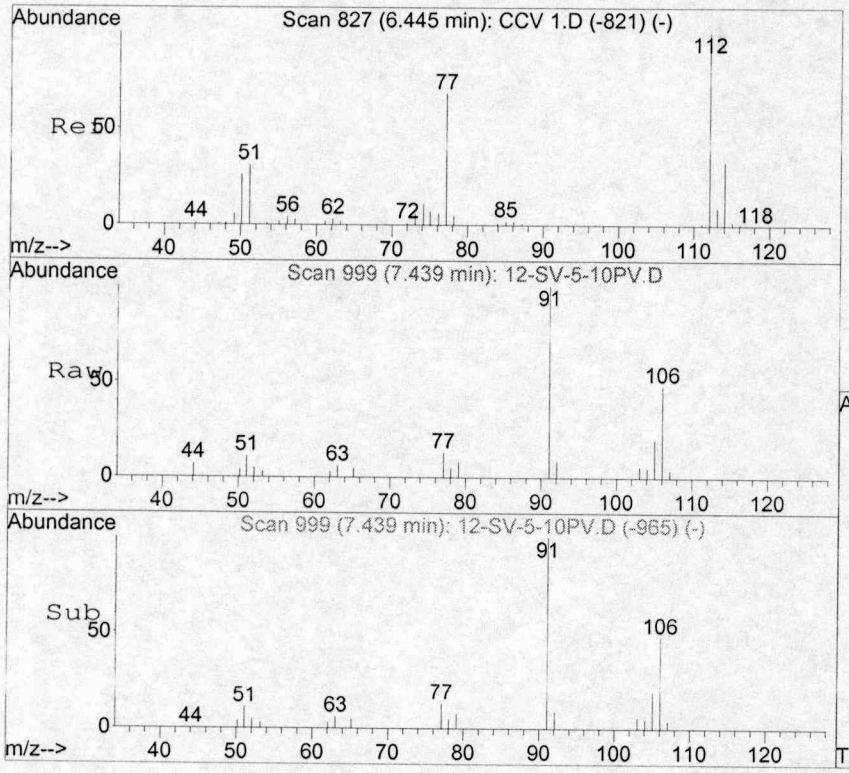


#50
m,p-Xylene*
Concen: 38.76 ng
RT: 7.12 min Scan# 945
Delta R.T. 0.00 min
Lab File: 12-SV-5-10PV.D
Acq: 13 Nov 2013 2:58 pm

Tgt Ion:106 Resp: 64158

Ion	Ratio	Lower	Upper
106	100		
91	201.8	163.0	223.0

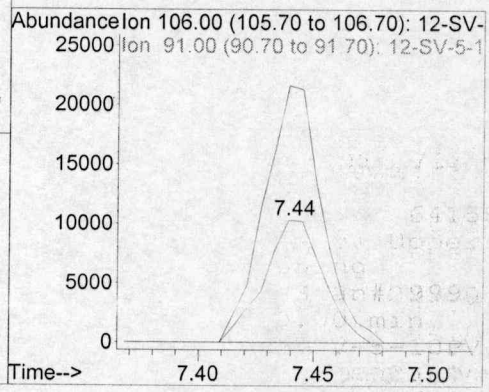




#51
o-Xylene*
Concen: 12.65 ng
RT: 7.44 min Scan# 999
Delta R.T. 0.00 min
Lab File: 12-SV-5-10PV.D
Acq: 13 Nov 2013 2:58 pm

Tgt Ion:106 Resp: 18372

Ion	Ratio	Lower	Upper
106	100		
91	209.7	180.2	240.2



Quantitation Report (QT Reviewed)

Data Path : E:\data\111313\
Data File : 12-SV-15-1PV.D
Acq On : 13 Nov 2013 3:21 pm
Operator : CS
Sample : E311041-04
Misc : 0.01
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 22 15:42:17 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 15:16:26 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	137744	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	46307	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	43954	50.00 ng	0.00
77) TBA-d9	3.10	65	20191	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	24667	47.25 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 94.50%		
27) 1,2-Dichloroethane-d4	4.50	65	25239	51.59 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 103.18%		
37) Toluene-d8	5.84	98	117119	49.06 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.12%		
55) 4-Bromofluorobenzene	7.87	174	30268	48.86 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 97.72%		
Target Compounds					Qvalue
2) 1,1-Difluoroethane	1.56	65	31059	69.56 ng	98
30) Benzene*	4.56	78	17841	6.48 ng	95
38) Toluene*	5.89	92	53590	26.44 ng	99
50) m,p-Xylene*	7.12	106	45562	32.89 ng	98
51) o-Xylene*	7.44	106	14435	11.88 ng	91
75) Naphthalene	10.77	128	672	2.06 ng	70
80) t-Butanol *	3.15	59	211	Below Cal #	1

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

Quantitation Report (QT Reviewed)

Data Path : E:\data\111313\
Data File : 12-SV-15-1PV.D
Acq On : 13 Nov 2013 3:21 pm
Operator : CS
Sample : E311041-04
Misc : 0.01
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 22 15:43:08 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 15:16:26 2013
Response via : Initial Calibration
InstName : GC MS #3

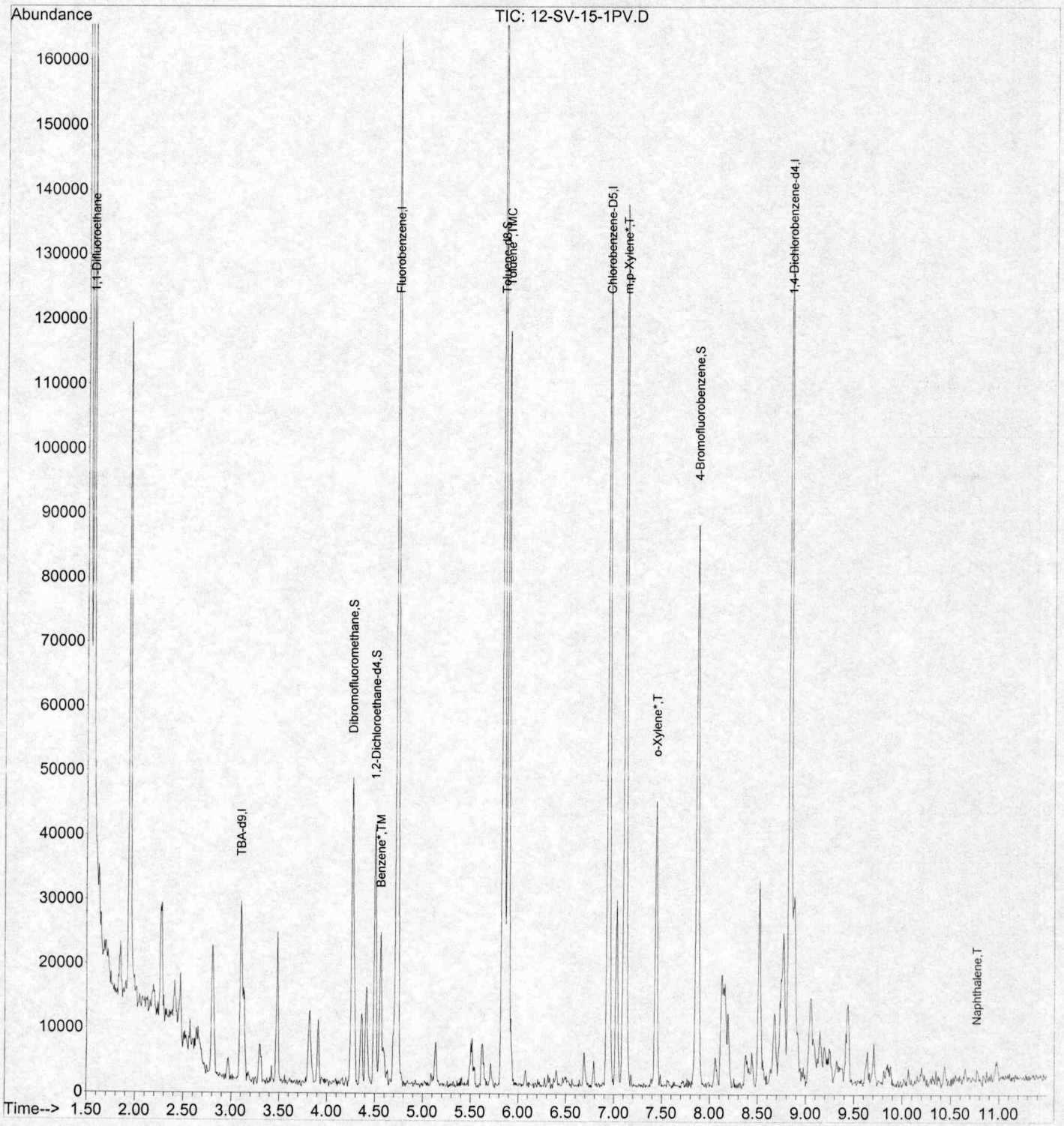
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	137744	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	46307	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	43954	50.00 ng	0.00
77) TBA-d9	3.10	65	20191	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	24667	47.25 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 94.50%		
27) 1,2-Dichloroethane-d4	4.50	65	25239	51.59 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 103.18%		
37) Toluene-d8	5.84	98	117119	49.06 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.12%		
55) 4-Bromofluorobenzene	7.87	174	30268	48.86 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 97.72%		
Target Compounds					Qvalue
2) 1,1-Difluoroethane	1.56	65	31059	69.56 ng	98
30) Benzene*	4.56	78	17841	6.48 ng	95
38) Toluene*	5.89	92	53590	26.44 ng	99
50) m,p-Xylene*	7.12	106	45562	32.89 ng	98
51) o-Xylene*	7.44	106	14435	11.88 ng	91
75) Naphthalene	10.77	128	672	2.06 ng	70

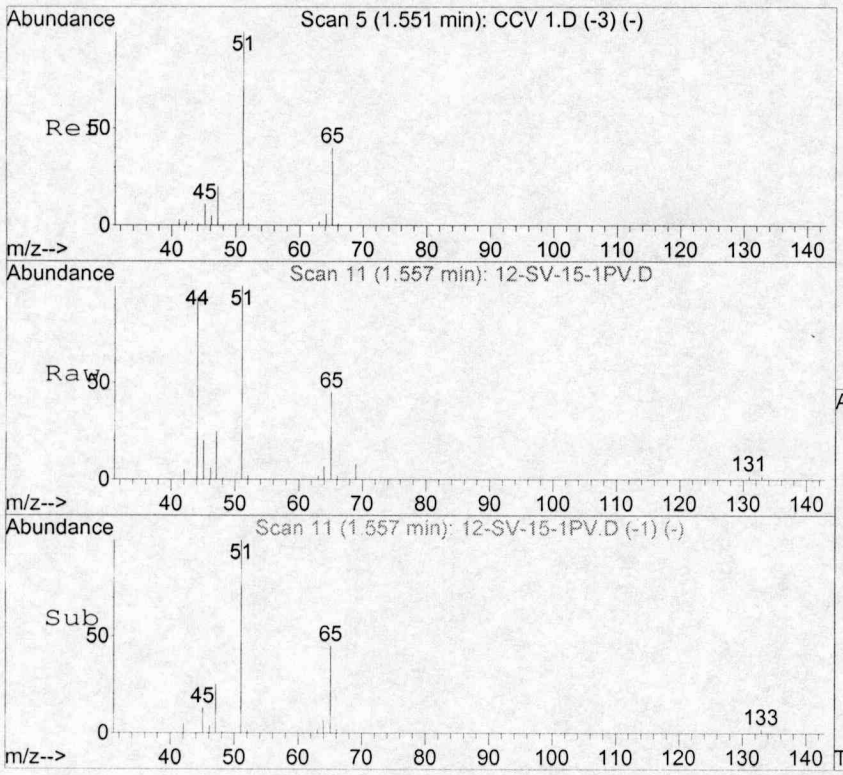
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111313\
Data File : 12-SV-15-1PV.D
Acq On : 13 Nov 2013 3:21 pm
Operator : CS
Sample : E311041-04
Misc : 0.01
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 22 15:43:08 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 15:16:26 2013
Response via : Initial Calibration
InstName : GC MS #3

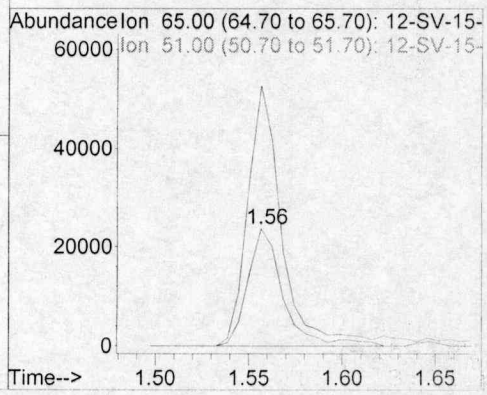


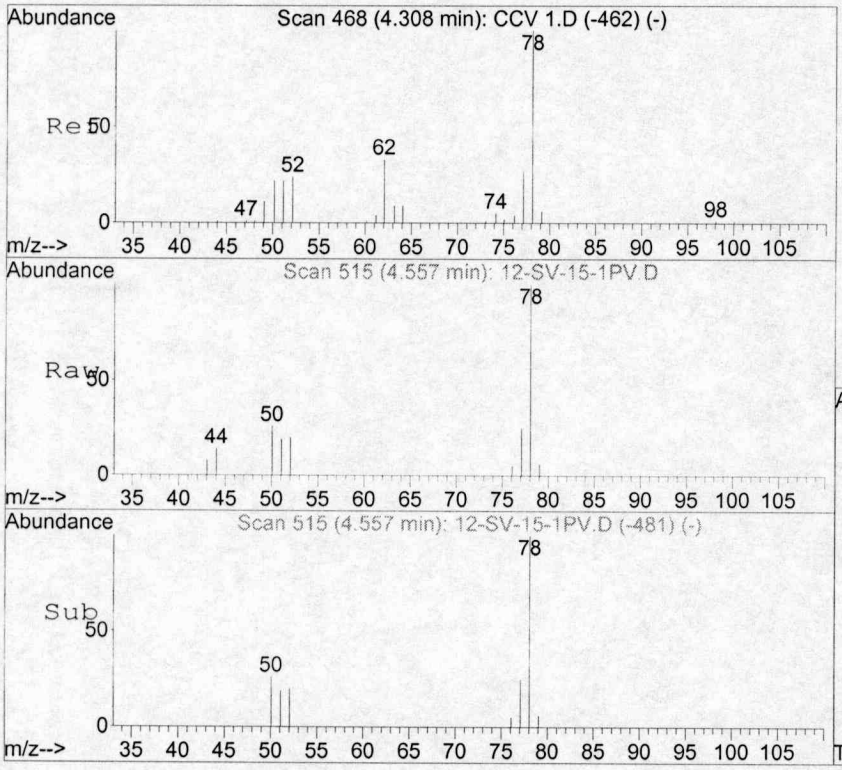


#2
1,1-Difluoroethane
Concen: 69.56 ng
RT: 1.56 min Scan# 11
Delta R.T. 0.00 min
Lab File: 12-SV-15-1PV.D
Acq: 13 Nov 2013 3:21 pm

Tgt Ion: 65 Resp: 31059

Ion	Ratio	Lower	Upper
65	100		
51	222.6	181.2	271.8

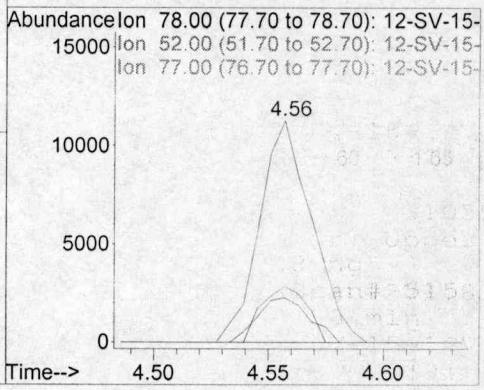


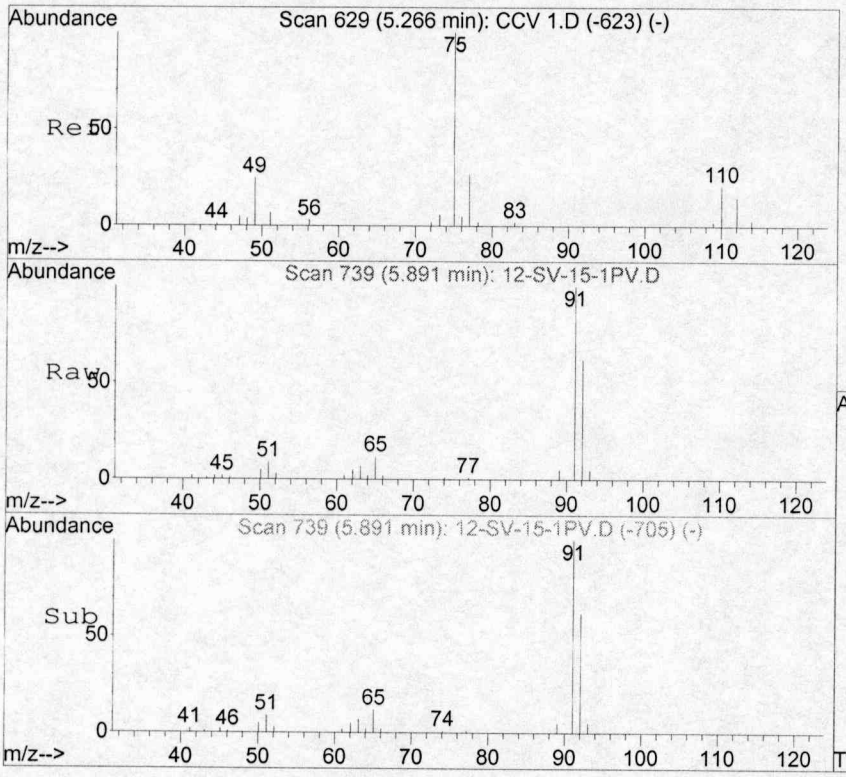


#30
Benzene*
Concen: 6.48 ng
RT: 4.56 min Scan# 515
Delta R.T. 0.00 min
Lab File: 12-SV-15-1PV.D
Acq: 13 Nov 2013 3:21 pm

Tgt Ion: 78 Resp: 17841

Ion	Ratio	Lower	Upper
78	100		
52	20.1	3.8	43.8
77	25.2	4.0	44.0

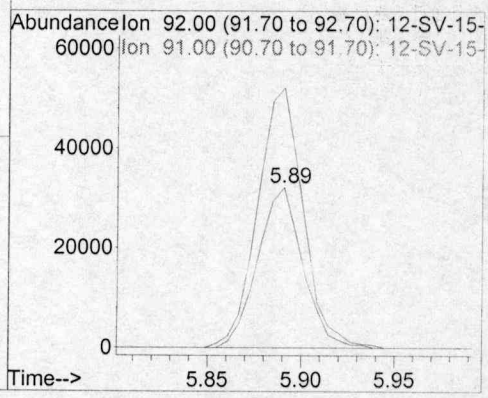


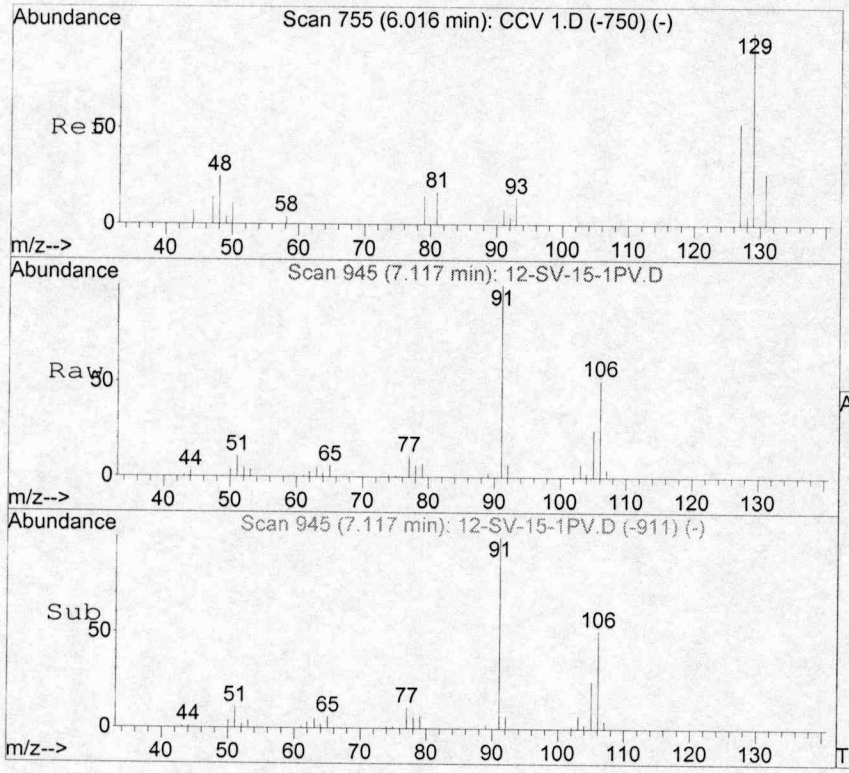


#38
Toluene*
Concen: 26.44 ng
RT: 5.89 min Scan# 739
Delta R.T. 0.00 min
Lab File: 12-SV-15-1PV.D
Acq: 13 Nov 2013 3:21 pm

Tgt Ion: 92 Resp: 53590

Ion	Ratio	Lower	Upper
92	100		
91	162.4	130.7	190.7

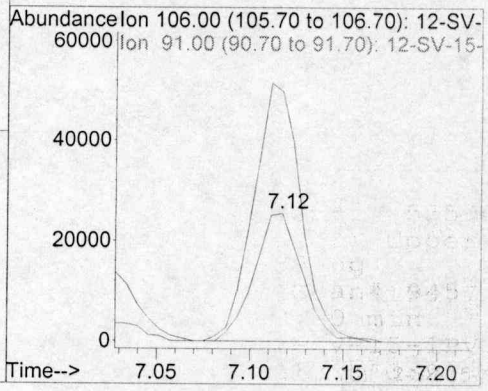


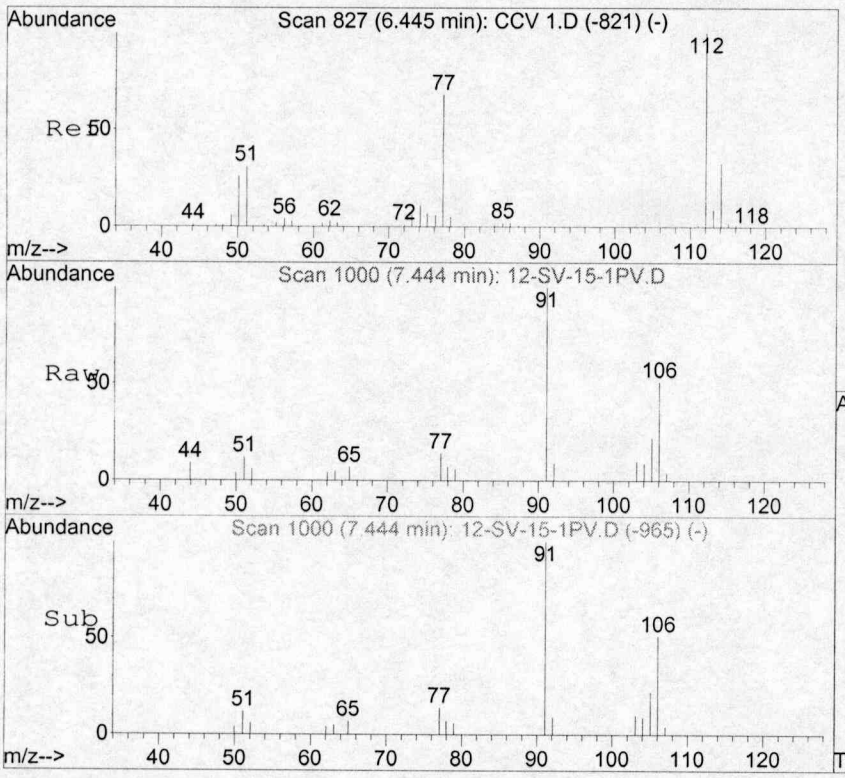


#50
m,p-Xylene*
Concen: 32.89 ng
RT: 7.12 min Scan# 945
Delta R.T. 0.00 min
Lab File: 12-SV-15-1PV.D
Acq: 13 Nov 2013 3:21 pm

Tgt Ion:106 Resp: 45562

Ion	Ratio	Lower	Upper
106	100		
91	195.7	163.0	223.0

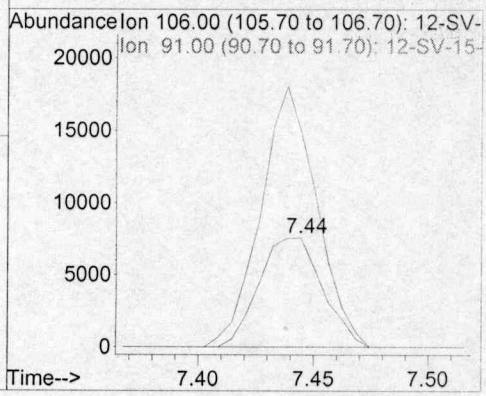


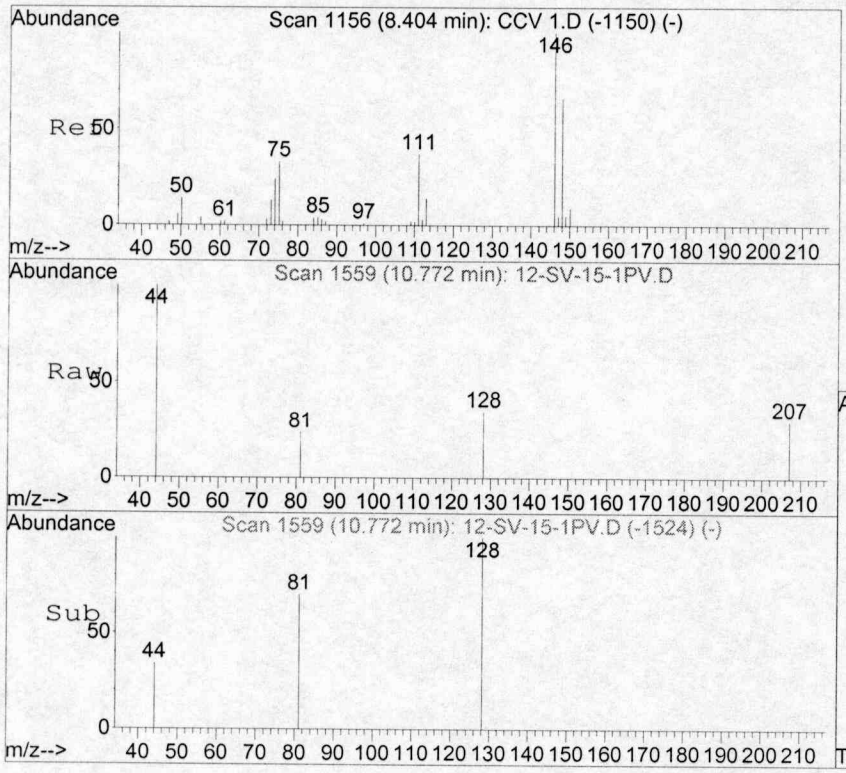


#51
o-Xylene*
Concen: 11.88 ng
RT: 7.44 min Scan# 1000
Delta R.T. 0.01 min
Lab File: 12-SV-15-1PV.D
Acq: 13 Nov 2013 3:21 pm

Tgt Ion:106 Resp: 14435

Ion	Ratio	Lower	Upper
106	100		
91	196.4	180.2	240.2

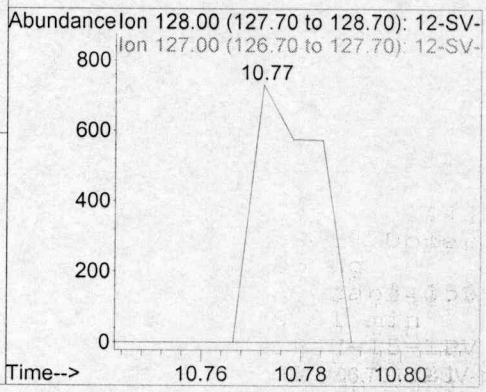




#75
Naphthalene
Concen: 2.06 ng
RT: 10.77 min Scan# 1559
Delta R.T. 0.01 min
Lab File: 12-SV-15-1PV.D
Acq: 13 Nov 2013 3:21 pm

Tgt Ion:128 Resp: 672

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	31.5



Quantitation Report (QT Reviewed)

Data Path : E:\data\111313\
Data File : 12-SV-15-3PV.D
Acq On : 13 Nov 2013 3:40 pm
Operator : CS
Sample : E311041-05
Misc : 0.01
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 22 15:44:55 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 15:16:26 2013
Response via : Initial Calibration
InstName : GC MS #3

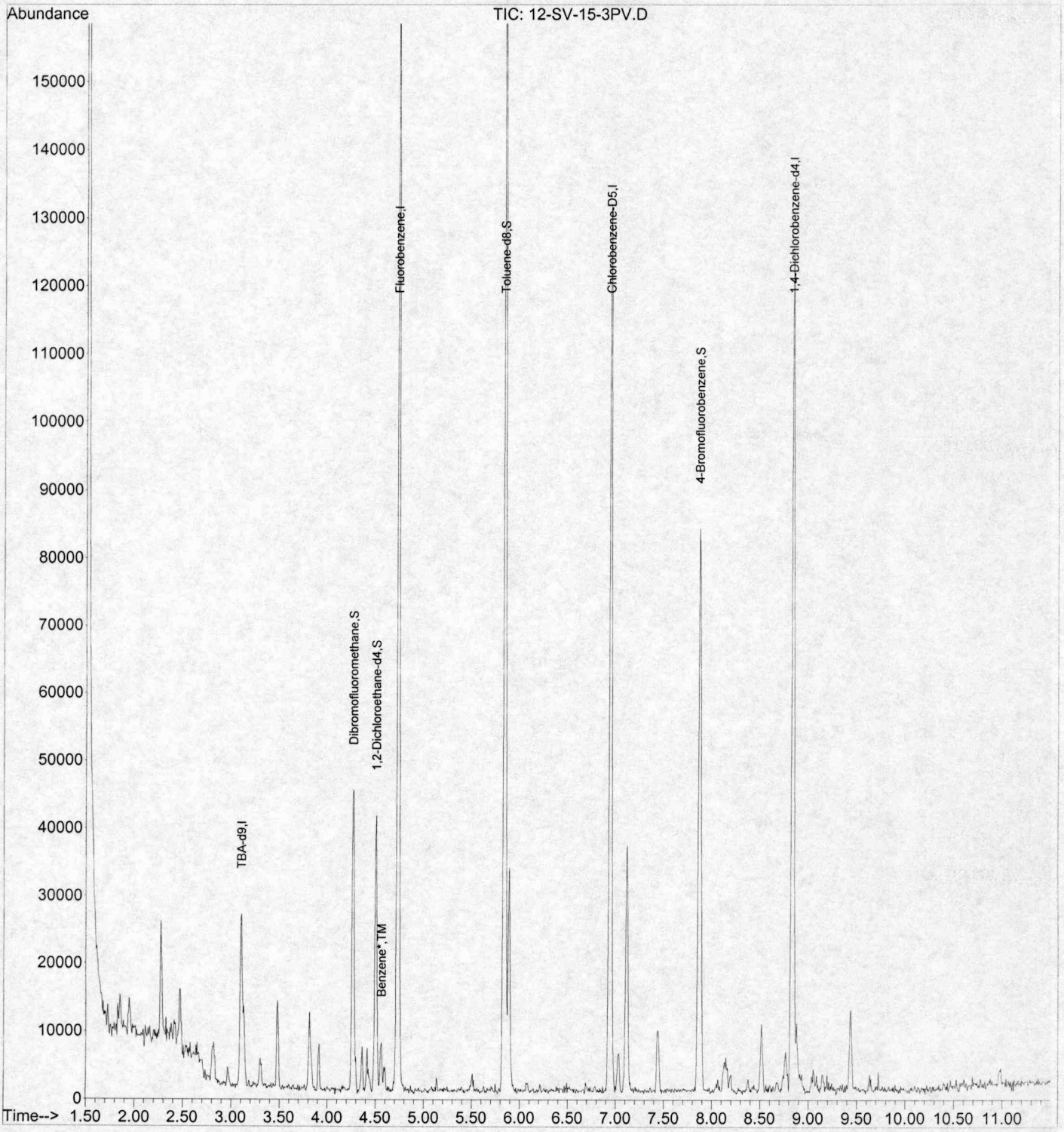
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	132636	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	45374	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	43458	50.00 ng	0.00
77) TBA-d9	3.10	65	20907	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	24731	49.20 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.40%		
27) 1,2-Dichloroethane-d4	4.50	65	25168	53.42 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 106.84%		
37) Toluene-d8	5.84	98	115216	50.12 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.24%		
55) 4-Bromofluorobenzene	7.87	174	28959	47.28 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 94.56%		
Target Compounds					Qvalue
30) Benzene*	4.56	78	5882	2.22 ng	90

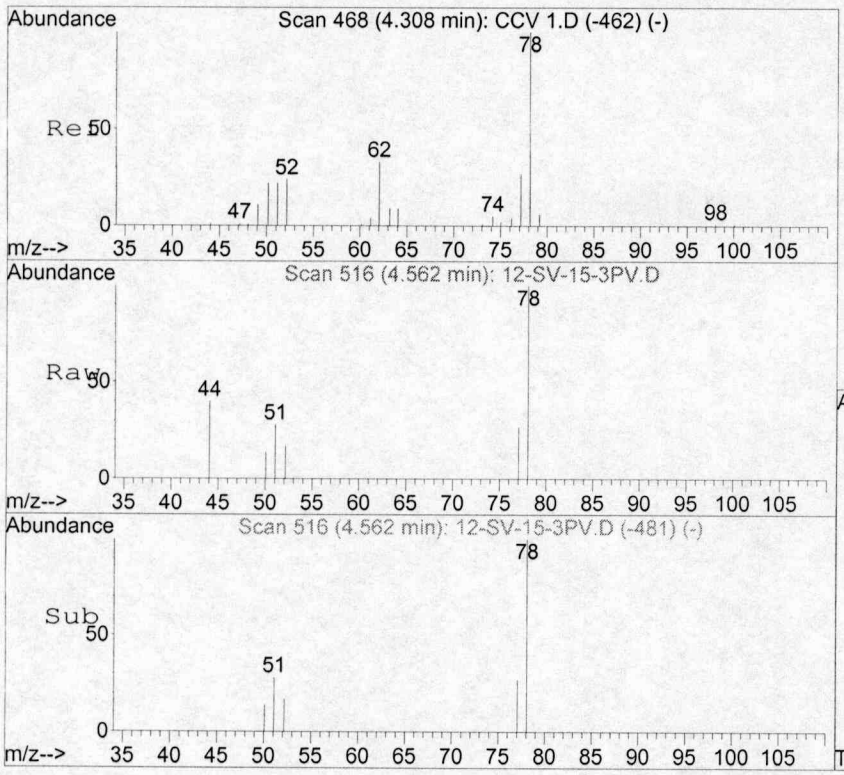
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111313\
Data File : 12-SV-15-3PV.D
Acq On : 13 Nov 2013 3:40 pm
Operator : CS
Sample : E311041-05
Misc : 0.01
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 22 15:44:55 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 15:16:26 2013
Response via : Initial Calibration
InstName : GC MS #3

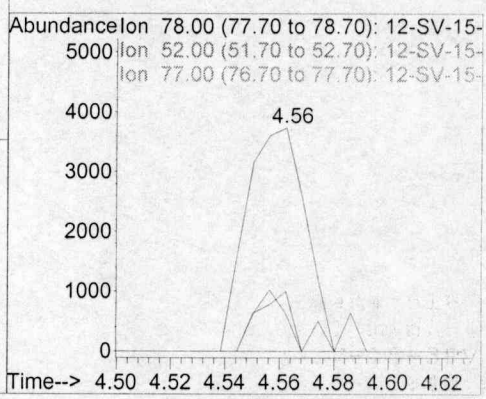




#30
Benzene*
Concen: 2.22 ng
RT: 4.56 min Scan# 516
Delta R.T. 0.01 min
Lab File: 12-SV-15-3PV.D
Acq: 13 Nov 2013 3:40 pm

Tgt Ion: 78 Resp: 5882

Ion	Ratio	Lower	Upper
78	100		
52	16.8	3.8	43.8
77	26.7	4.0	44.0



Quantitation Report (QT Reviewed)

Data Path : E:\data\111313\
Data File : 12-SV-15-10PV.D
Acq On : 13 Nov 2013 4:16 pm
Operator : CS
Sample : E311041-06
Misc : 0.01
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 22 15:47:25 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 15:16:26 2013
Response via : Initial Calibration
InstName : GC MS #3

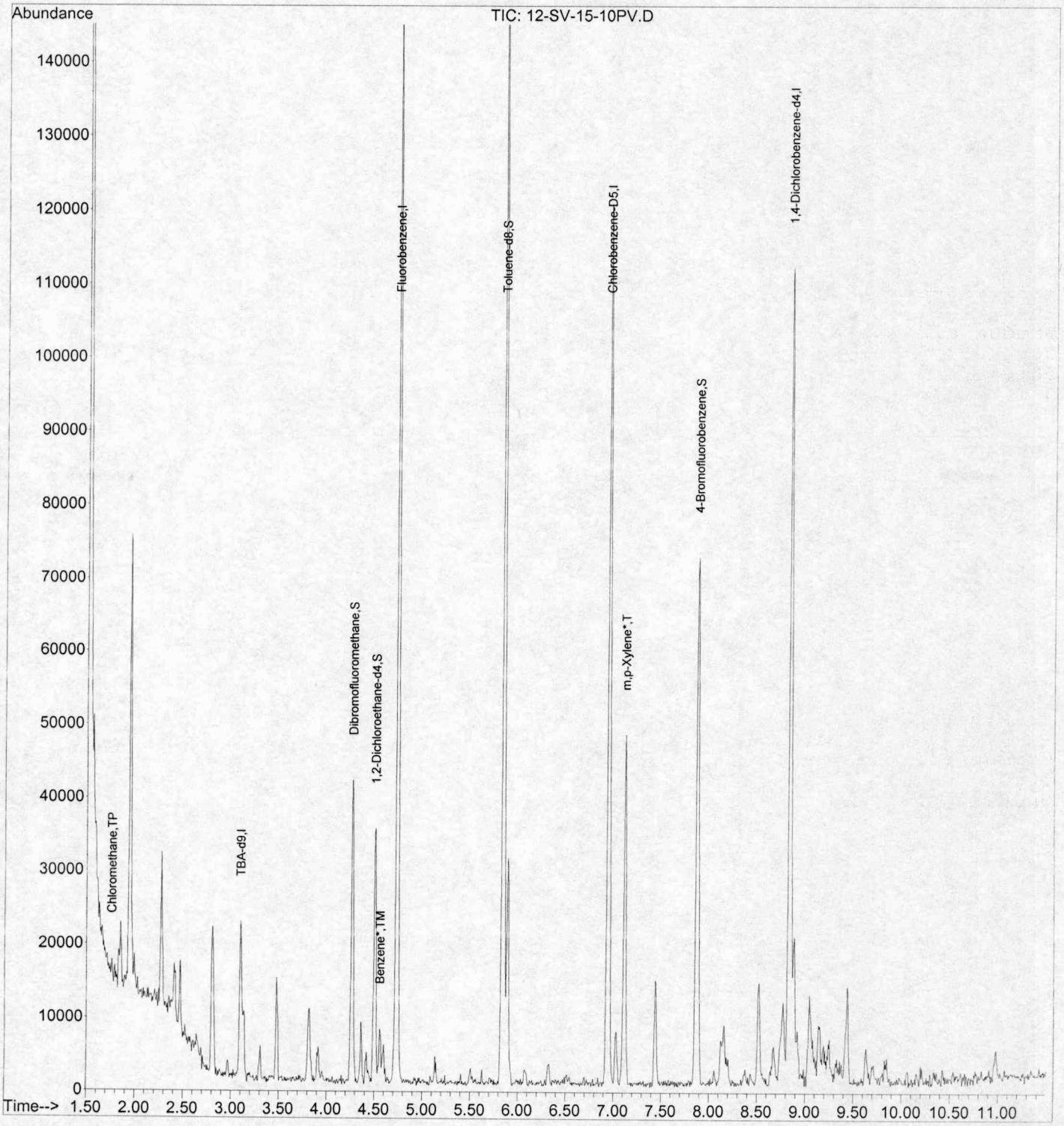
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	120846	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	40179	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	38466	50.00 ng	0.00
77) TBA-d9	3.10	65	17507	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	23132	50.51 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.02%		
27) 1,2-Dichloroethane-d4	4.50	65	23355	54.41 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 108.82%		
37) Toluene-d8	5.84	98	105616	50.43 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.86%		
55) 4-Bromofluorobenzene	7.87	174	24806	45.76 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 91.52%		
Target Compounds					Qvalue
4) Chloromethane	1.76	50	389	0.38 ng #	42
30) Benzene*	4.56	78	5628	2.33 ng	82
50) m,p-Xylene*	7.12	106	16216	13.49 ng	90

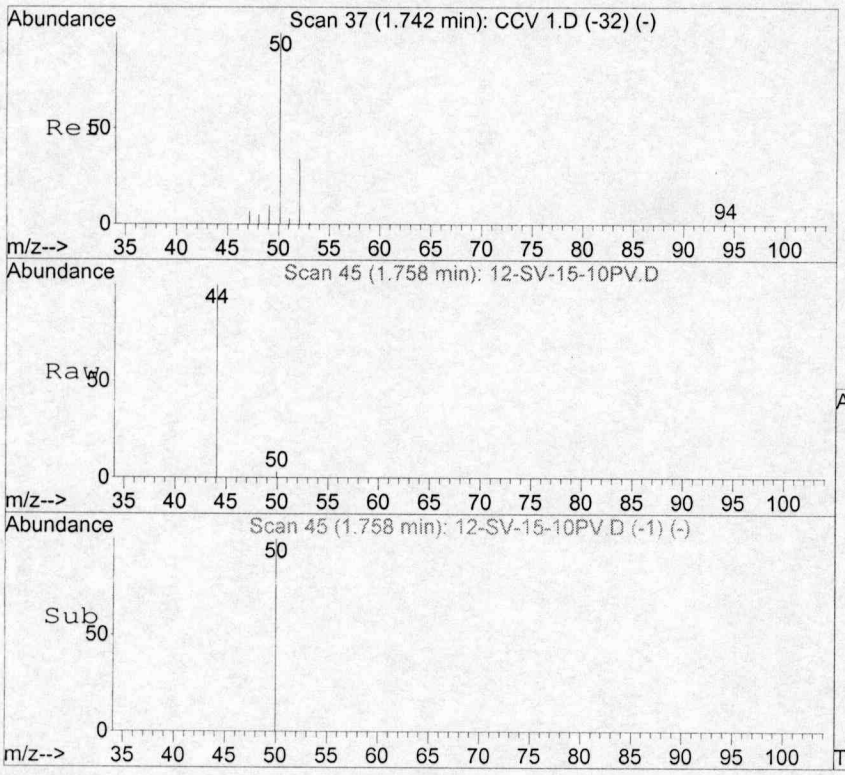
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : E:\data\111313\
Data File : 12-SV-15-10PV.D
Acq On : 13 Nov 2013 4:16 pm
Operator : CS
Sample : E311041-06
Misc : 0.01
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 22 15:47:25 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 15:16:26 2013
Response via : Initial Calibration
InstName : GC MS #3

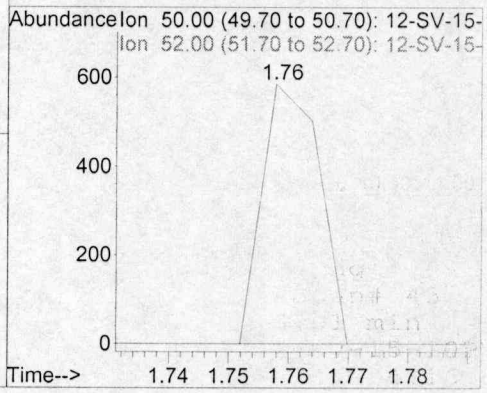


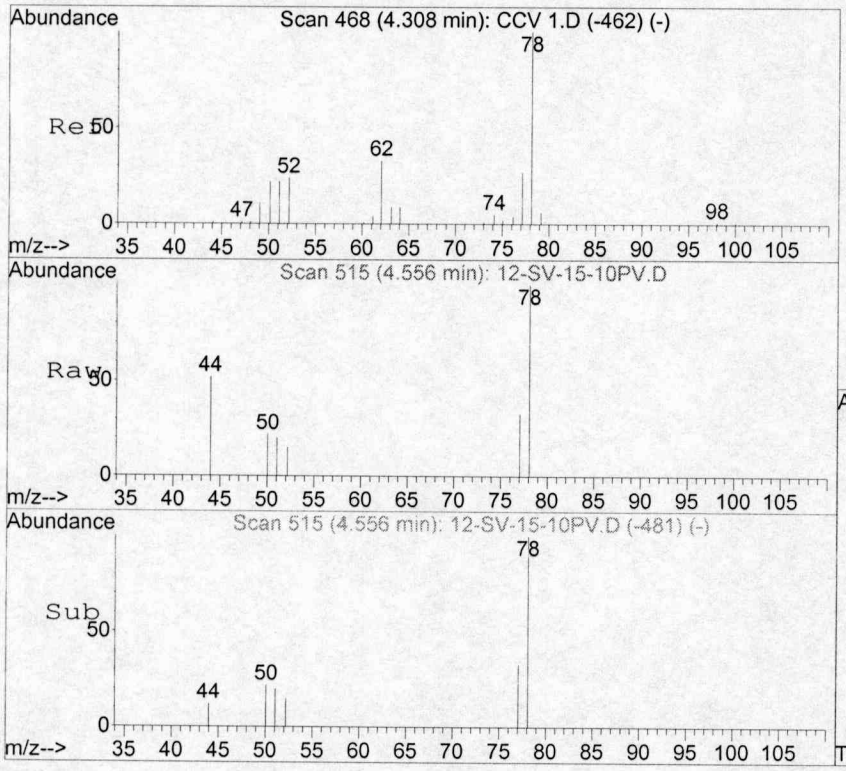


#4
Chloromethane
Concen: 0.38 ng
RT: 1.76 min Scan# 45
Delta R.T. 0.01 min
Lab File: 12-SV-15-10PV.D
Acq: 13 Nov 2013 4:16 pm

Tgt Ion: 50 Resp: 389

Ion	Ratio	Lower	Upper
50	100		
52	0.0	2.3	62.3#

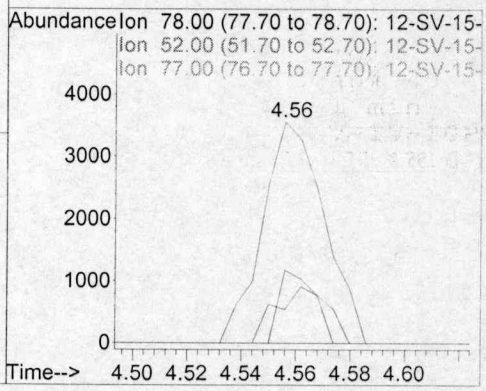


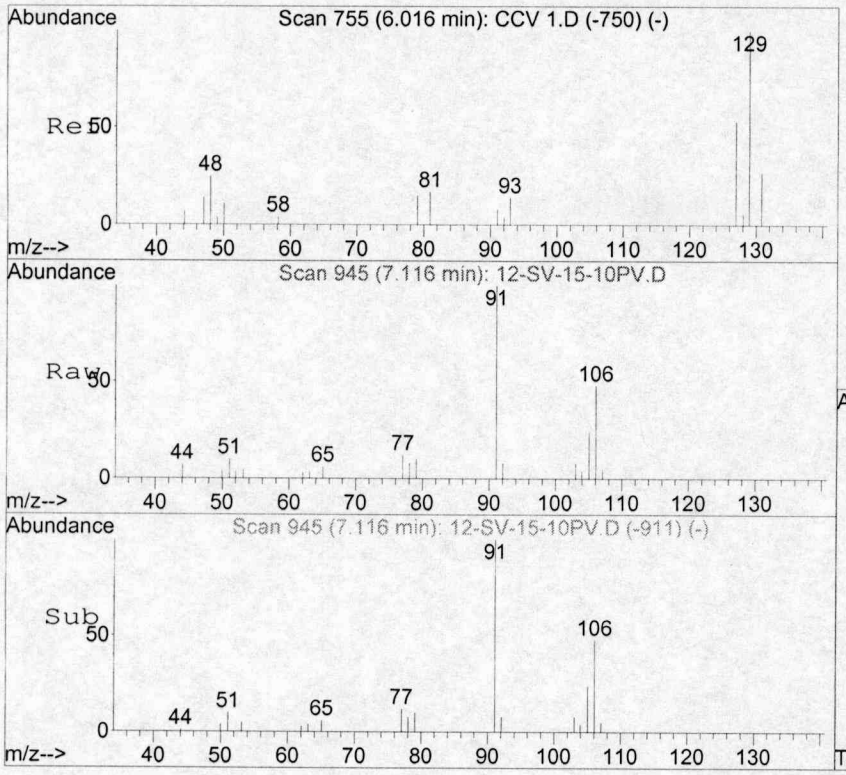


#30
Benzene*
Concen: 2.33 ng
RT: 4.56 min Scan# 515
Delta R.T. 0.00 min
Lab File: 12-SV-15-10PV.D
Acq: 13 Nov 2013 4:16 pm

Tgt Ion: 78 Resp: 5628

Ion	Ratio	Lower	Upper
78	100		
52	15.3	3.8	43.8
77	33.1	4.0	44.0

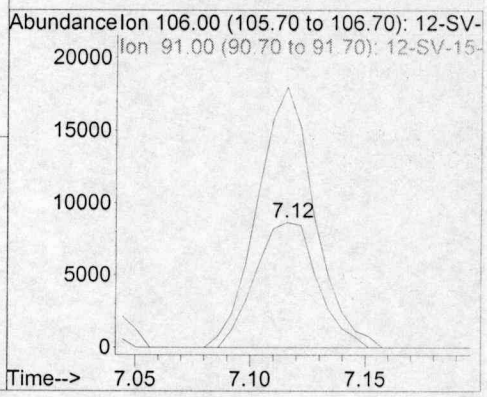




#50
m,p-Xylene*
Concen: 13.49 ng
RT: 7.12 min Scan# 945
Delta R.T. 0.00 min
Lab File: 12-SV-15-10PV.D
Acq: 13 Nov 2013 4:16 pm

Tgt Ion:106 Resp: 16216

Ion	Ratio	Lower	Upper
106	100		
91	207.7	163.0	223.0



Quantitation Report (Not Reviewed)

Data Path : E:\data\111313\
Data File : LCSr.D
Acq On : 13 Nov 2013 5:44 pm
Operator : CS
Sample : EK31301-BS1
Misc : 0.05, 1st SRC
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 13 18:00:06 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 15:16:26 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	4.74	96	144488	50.00	ng		0.02
43) Chlorobenzene-D5	6.95	82	50729	50.00	ng		0.02
54) 1,4-Dichlorobenzene-d4	8.85	152	50289	50.00	ng		0.02
77) TBA-d9	3.11	65	21955	1000.00	ng		0.00
System Monitoring Compounds							
24) Dibromofluoromethane	4.27	113	27890	50.93	ng		0.02
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.86%				
27) 1,2-Dichloroethane-d4	4.52	65	27881	54.33	ng		0.02
Spiked Amount 50.000	Range 62 - 139		Recovery = 108.66%				
37) Toluene-d8	5.85	98	103555	41.35	ng		0.02
Spiked Amount 50.000	Range 75 - 125		Recovery = 82.70%				
55) 4-Bromofluorobenzene	7.88	174	35571	50.19	ng		0.02
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.38%				
Target Compounds							Qvalue
2) 1,1-Difluoroethane	1.57	65	38200	81.56	ng		95
3) Dichlorodifluoromethane	1.60	85	114406	110.54	ng		93
4) Chloromethane	1.76	50	113987	92.47	ng		96
5) Vinyl Chloride	1.86	62	103872	109.95	ng		95
6) Bromomethane	2.14	94	59714	103.81	ng		92
7) Chloroethane	2.22	64	59413	104.75	ng		94
8) Trichlorofluoromethane	2.42	101	161199	117.26	ng		96
9) 1,1-Dichloroethene	2.80	96	82024	113.42	ng		97
10) Freon-113	2.79	101	90067	105.78	ng		93
11) acetone	2.82	43	97417	1079.37	ng		100
12) Methylene Chloride	3.12	84	65848	107.03	ng		89
13) MTBE*	3.30	73	110627	131.07	ng		99
14) trans-1,2-Dichloroethene	3.32	96	90293	116.21	ng		91
15) Diisopropyl ether*	3.61	45	218459	119.70	ng		95
16) 1,1-Dichloroethane	3.59	63	150912	110.64	ng		99
17) Ethyl-t-butyl ether*	3.85	59	173211	113.76	ng		99
18) 2,2-Dichloropropane	3.98	77	137043	119.24	ng		99
19) 2-Butanone	3.96	72	30077	1257.03	ng		91
20) cis-1,2-Dichloroethene	3.97	96	88922	117.22	ng		89
21) Chloroform	4.17	83	138559	117.18	ng		90
22) Bromochloromethane	4.14	128	31415	108.19	ng	#	82
23) 1,1,1-Trichloroethane	4.32	97	152682	118.31	ng		99
25) 1,1-Dichloropropene	4.43	75	123772	119.14	ng		96
26) Carbon Tetrachloride	4.44	117	137602	107.87	ng		100
28) 1,2-Dichloroethane	4.57	62	78417	129.92	ng		96
29) TAME* (2-methoxy-2-methylb	4.61	73	130545	133.41	ng		93
30) Benzene*	4.57	78	320362	110.93	ng		95
31) Trichloroethene	5.00	95	94665	113.94	ng		89
32) 1,2-Dichloropropane	5.16	63	69012	106.00	ng		99
33) Bromodichloromethane	5.33	83	85402	120.02	ng		97
34) Dibromomethane	5.24	93	26134	115.65	ng		95
35) cis-1,3-Dichloropropene	5.64	75	86474	117.15	ng		92
36) Methyl Isobutyl Ketone	5.72	43	341831	1307.97	ng	#	94
38) Toluene*	5.91	92	227690	107.09	ng		94
39) trans-1,3-Dichloropropene	6.03	75	72780	126.20	ng		99
40) 1,1,2-Trichloroethane	6.17	83	33556	117.11	ng		98
41) 2-Hexanone	6.33	43	225261	1324.36	ng	#	90

Quantitation Report (Not Reviewed)

Data Path : E:\data\111313\
Data File : LCSr.D
Acq On : 13 Nov 2013 5:44 pm
Operator : CS
Sample : EK31301-BS1
Misc : 0.05, 1st SRC
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 13 18:00:06 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 15:16:26 2013
Response via : Initial Calibration
InstName : GC MS #3

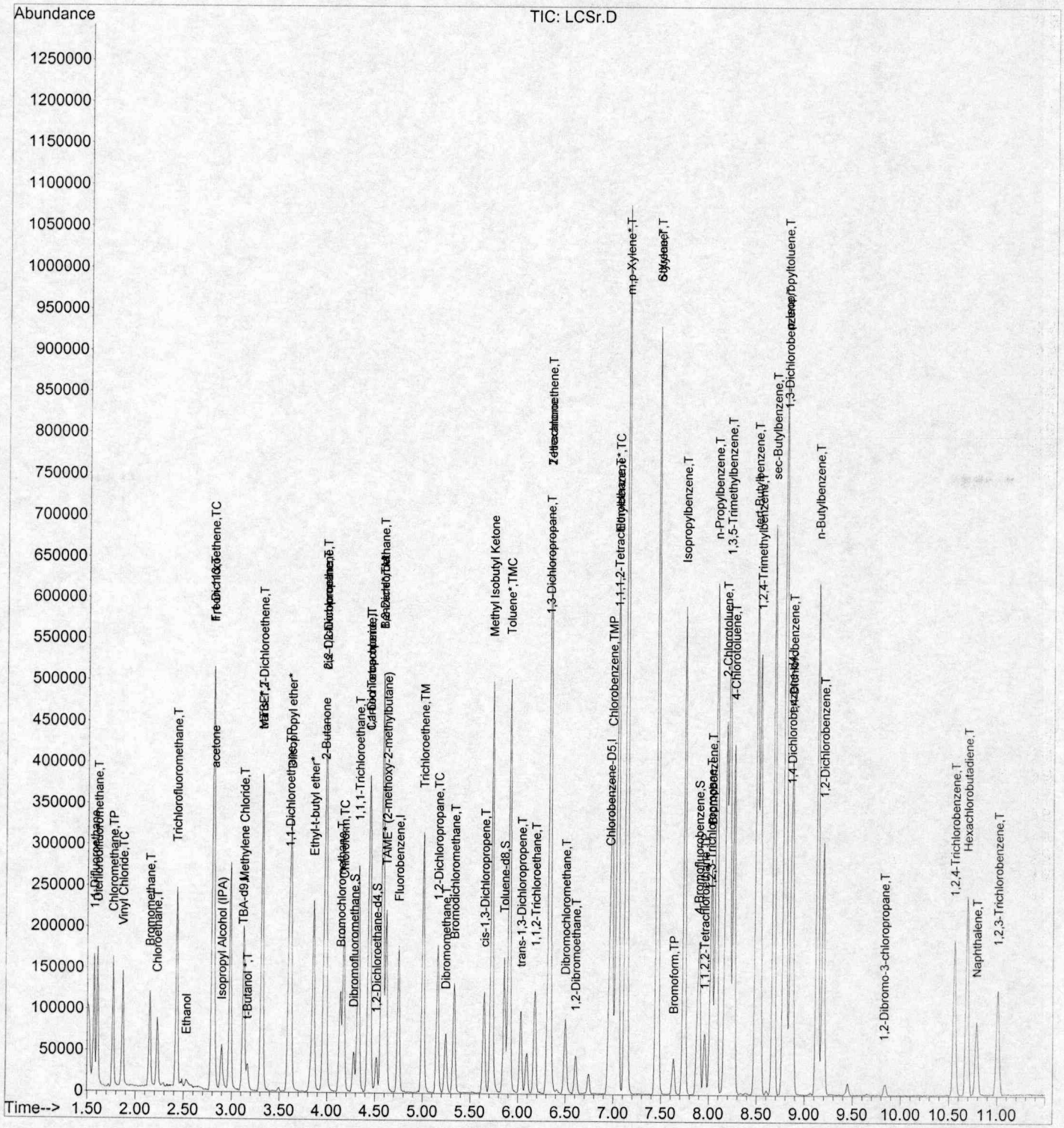
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,2-Dibromoethane	6.60	107	36734	117.24	ng		90
44) 1,3-Dichloropropane	6.31	76	70145	113.06	ng		91
45) Tetrachloroethene	6.33	164	92025	104.55	ng		92
46) Dibromochloromethane	6.49	129	53899	114.04	ng		91
47) Chlorobenzene	6.98	112	236378	109.28	ng		95
48) Ethylbenzene*	7.04	106	129787	113.84	ng		96
49) 1,1,1,2-Tetrachloroethane	7.02	131	71385	101.89	ng		92
50) m,p-Xylene*	7.13	106	354491	233.57	ng		92
51) o-Xylene*	7.45	106	159972	120.15	ng		96
52) Styrene	7.46	104	241368	125.48	ng		95
53) Bromoform	7.63	173	24188	108.80	ng		92
56) Isopropylbenzene	7.74	105	421634	125.94	ng		99
57) 1,1,2,2-Tetrachloroethane	7.95	83	44217	109.91	ng		95
58) 1,2,3-Trichloropropane	8.01	75	42020	116.12	ng		81
59) n-Propylbenzene	8.07	91	557359	125.59	ng		98
60) Bromobenzene	8.02	156	88753	109.77	ng		96
61) 1,3,5-Trimethylbenzene	8.21	105	383376	124.79	ng		100
62) 2-Chlorotoluene	8.17	91	347590	121.66	ng		96
63) 4-Chlorotoluene	8.26	91	315604	123.34	ng		97
64) tert-Butylbenzene	8.49	119	406433	123.34	ng		97
65) 1,2,4-Trimethylbenzene	8.53	105	365258	125.92	ng		97
66) sec-Butylbenzene	8.67	105	539337	127.51	ng		99
67) p-Isopropyltoluene	8.78	119	463704	133.26	ng		97
68) 1,3-Dichlorobenzene	8.80	146	211140	112.31	ng		98
69) 1,4-Dichlorobenzene	8.86	146	193773	108.65	ng		94
70) n-Butylbenzene	9.13	91	402500	129.77	ng		99
71) 1,2-Dichlorobenzene	9.19	146	169363	111.32	ng		97
72) 1,2-Dibromo-3-chloropropan	9.83	75	5719	120.14	ng		95
73) 1,2,4-Trichlorobenzene	10.55	180	81968	109.49	ng		90
74) Hexachlorobutadiene	10.69	225	57018	98.19	ng		91
75) Naphthalene	10.79	128	101764	138.08	ng		96
76) 1,2,3-Trichlorobenzene	11.01	180	58205	106.58	ng		92
78) Ethanol	2.53	45	11530	3609.80	ng	#	100
79) Isopropyl Alcohol (IPA)	2.89	45	64234	3429.87	ng	#	100
80) t-Butanol *	3.16	59	29552	947.29	ng		83

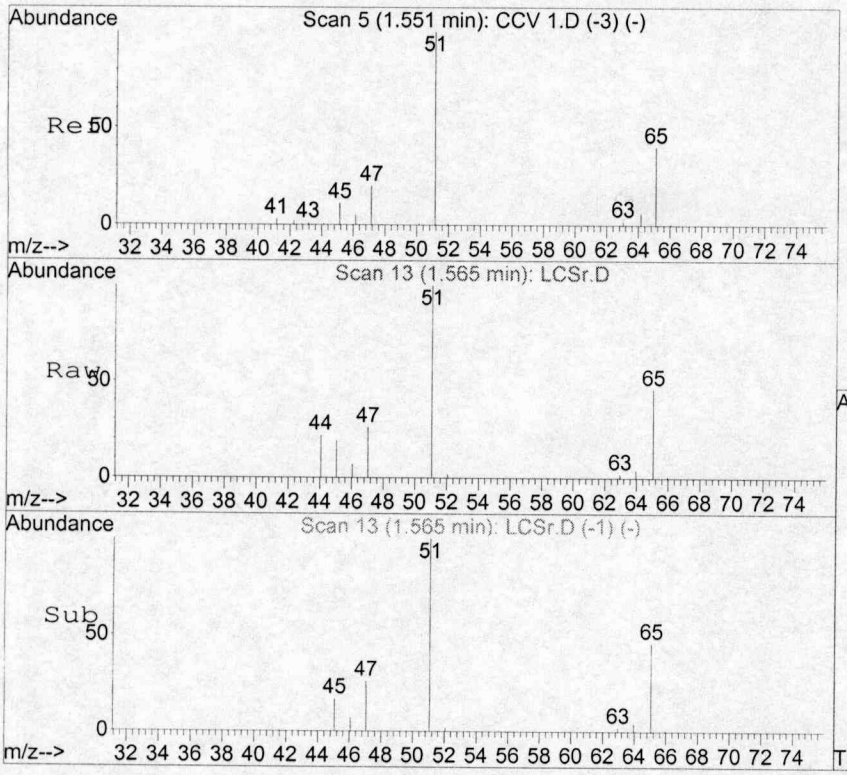
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : E:\data\111313\
Data File : LCSr.D
Acq On : 13 Nov 2013 5:44 pm
Operator : CS
Sample : EK31301-BS1
Misc : 0.05, 1st SRC
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 13 18:00:06 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 15:16:26 2013
Response via : Initial Calibration
InstName : GC MS #3

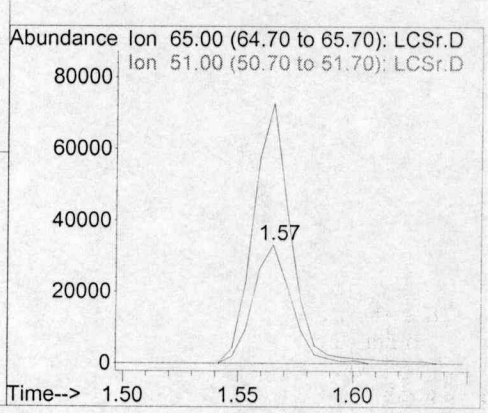


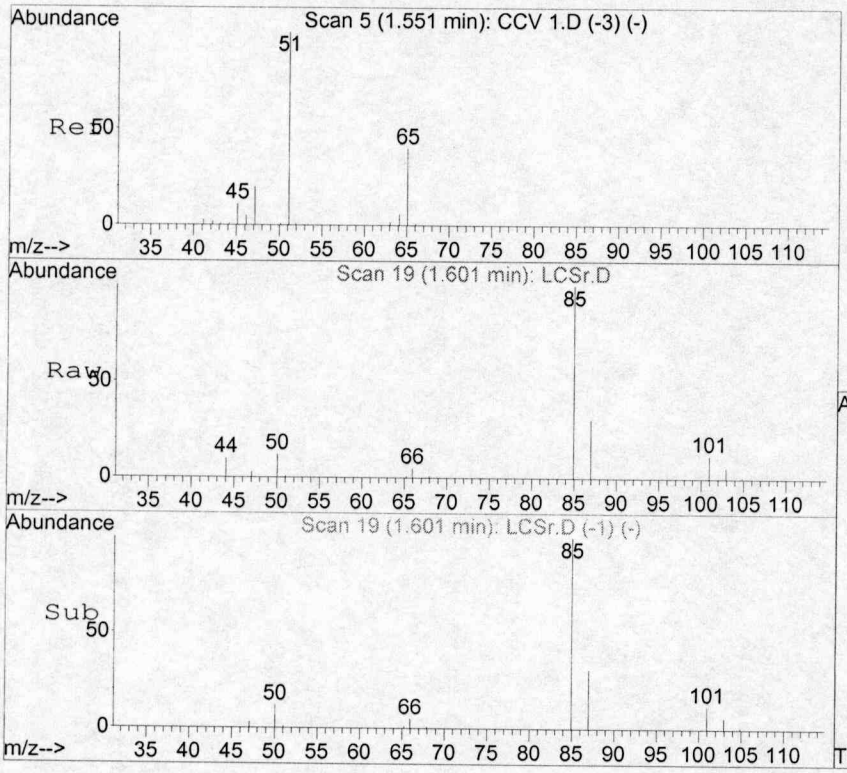


#2
1,1-Difluoroethane
Concen: 81.56 ng
RT: 1.57 min Scan# 13
Delta R.T. 0.01 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 65 Resp: 38200

Ion	Ratio	Lower	Upper
65	100		
51	219.1	181.2	271.8

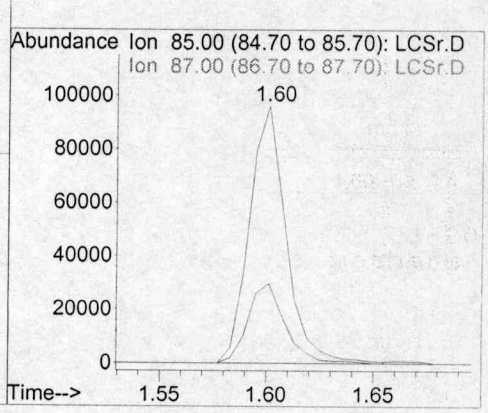


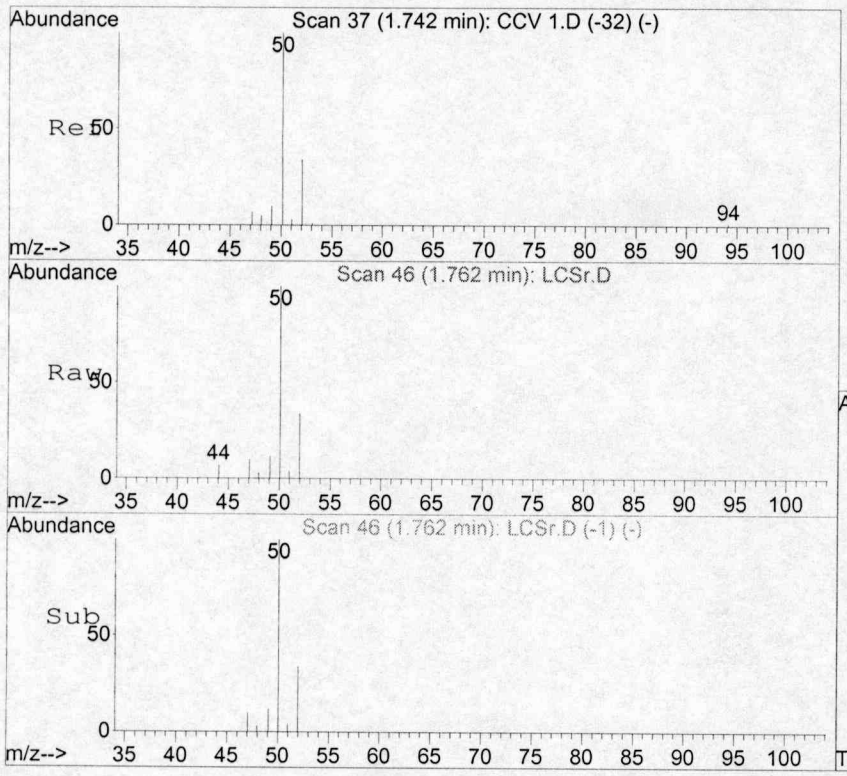


#3
Dichlorodifluoromethane
Concen: 110.54 ng
RT: 1.60 min Scan# 19
Delta R.T. 0.01 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 85 Resp: 114406

Ion	Ratio	Lower	Upper
85	100		
87	30.8	5.1	65.1

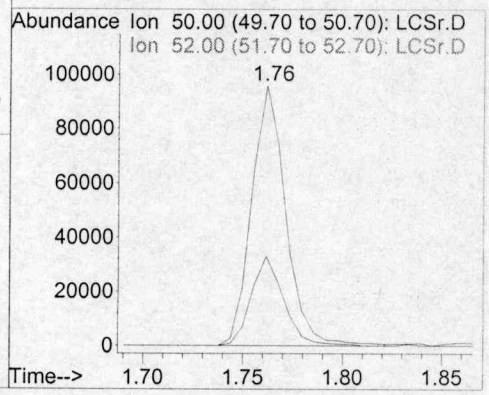


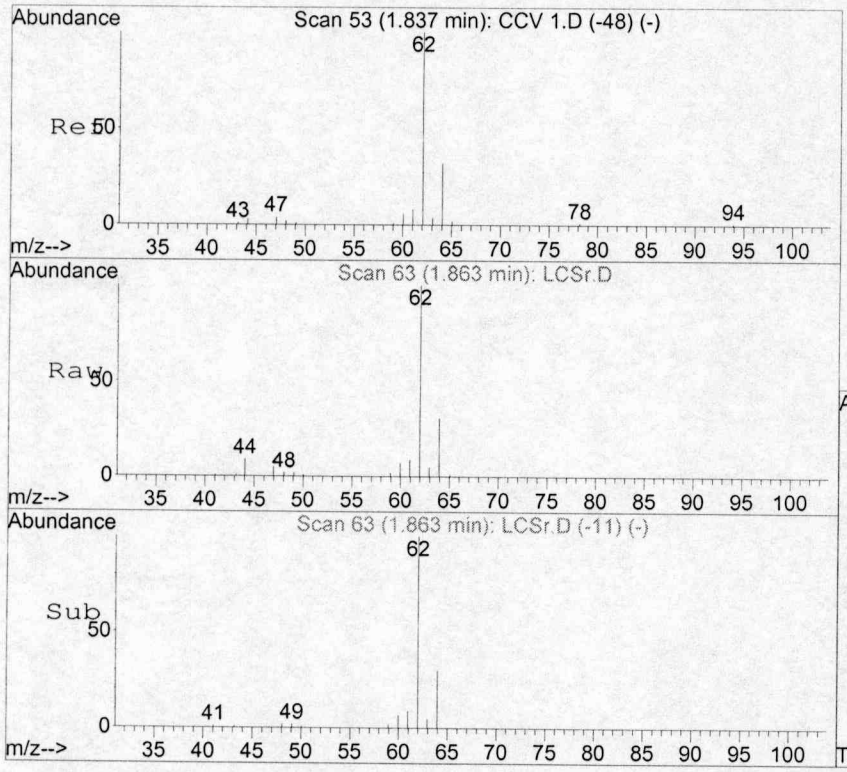


#4
Chloromethane
Concen: 92.47 ng
RT: 1.76 min Scan# 46
Delta R.T. 0.01 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 50 Resp: 113987

Ion	Ratio	Lower	Upper
50	100		
52	34.4	2.3	62.3

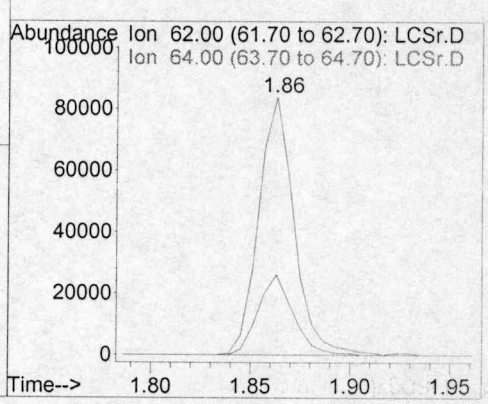


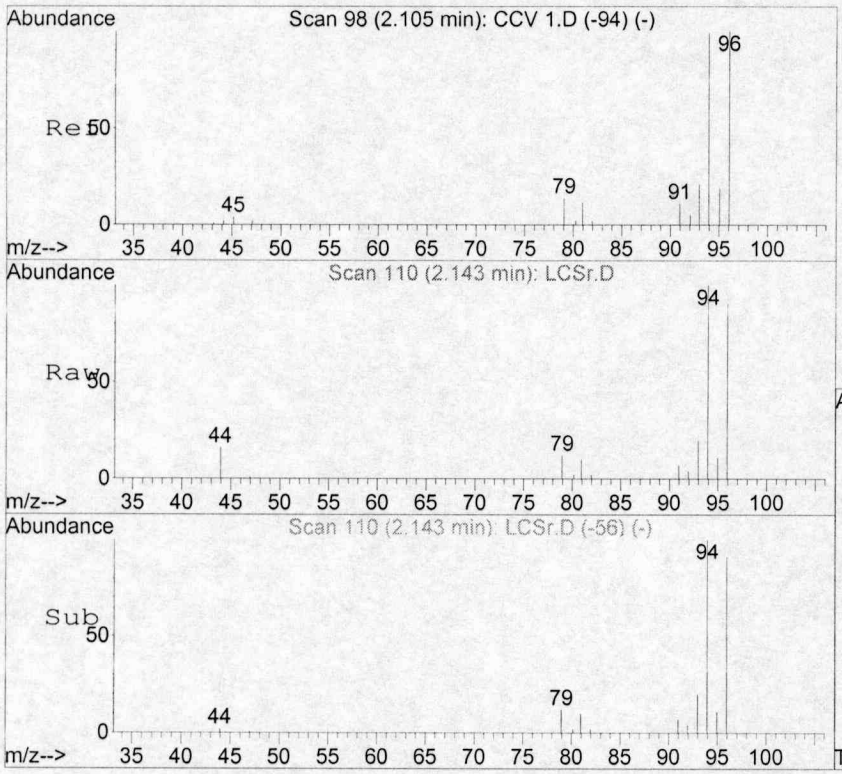


#5
Vinyl Chloride
Concen: 109.95 ng
RT: 1.86 min Scan# 63
Delta R.T. 0.01 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 62 Resp: 103872

Ion	Ratio	Lower	Upper
62	100		
64	31.1	0.0	58.4

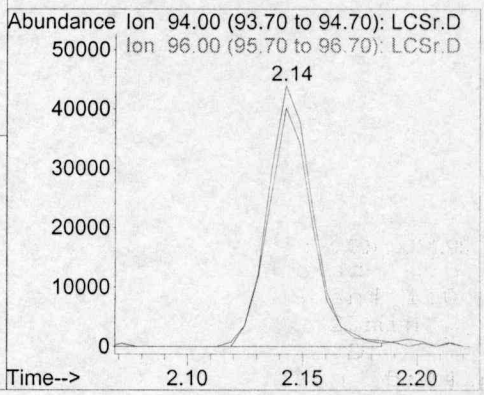


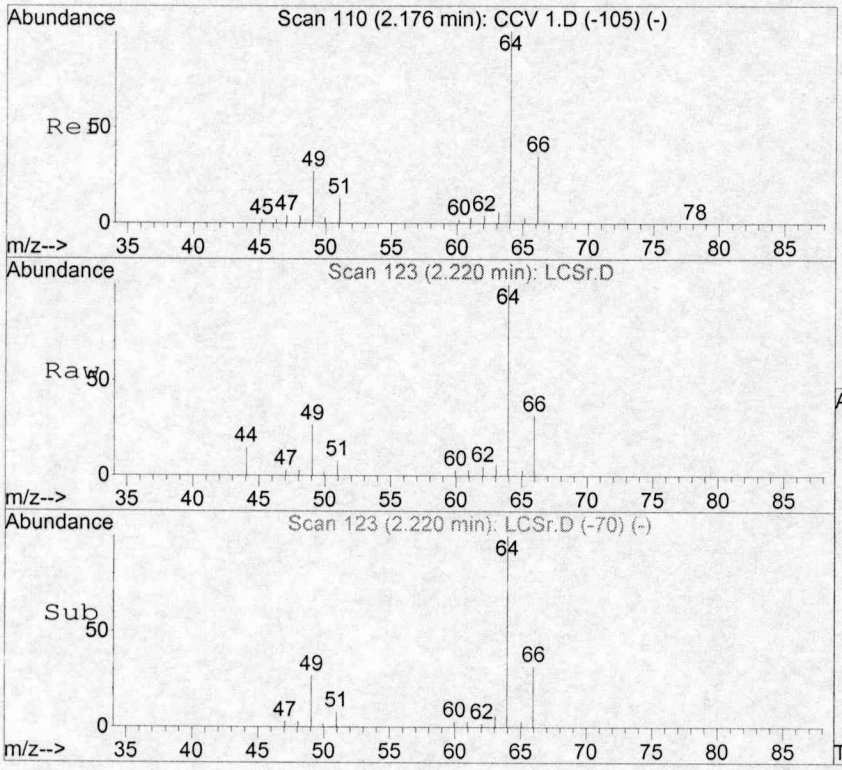


#6
Bromomethane
Concen: 103.81 ng
RT: 2.14 min Scan# 110
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 94 Resp: 59714

Ion	Ratio	Lower	Upper
94	100		
96	91.5	54.5	114.5

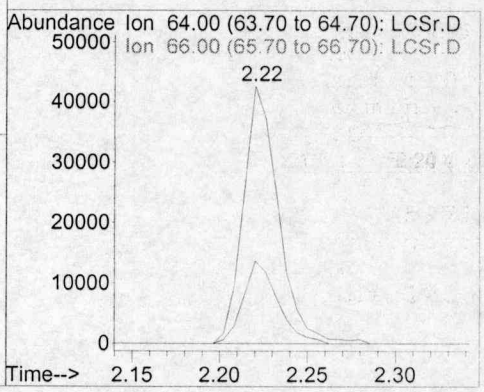


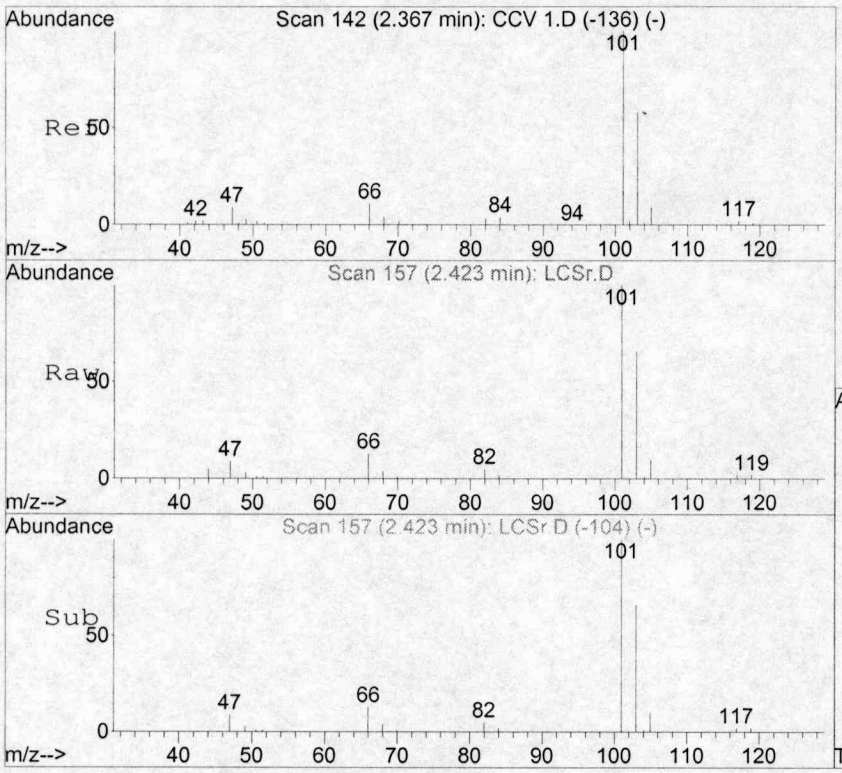


#7
Chloroethane
Concen: 104.75 ng
RT: 2.22 min Scan# 123
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 64 Resp: 59413

Ion	Ratio	Lower	Upper
64	100		
66	32.0	0.0	58.7

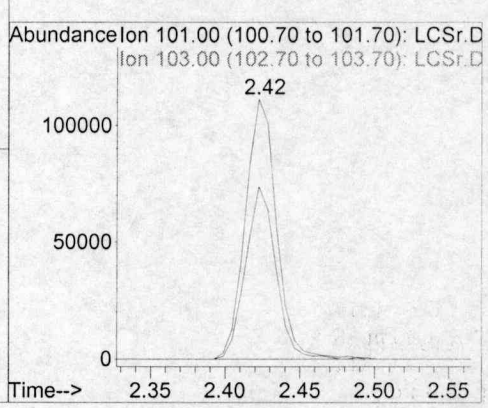


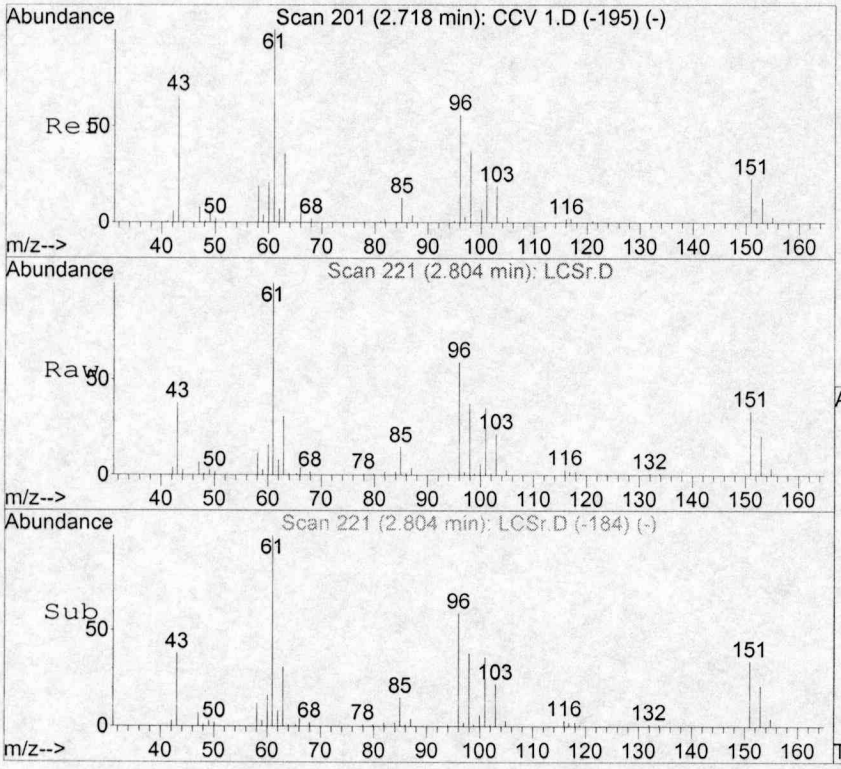


#8
Trichlorofluoromethane
Concen: 117.26 ng
RT: 2.42 min Scan# 157
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:101 Resp: 161199

Ion	Ratio	Lower	Upper
101	100		
103	66.3	33.2	93.2

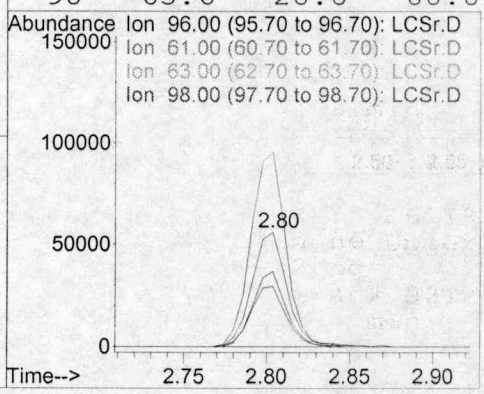


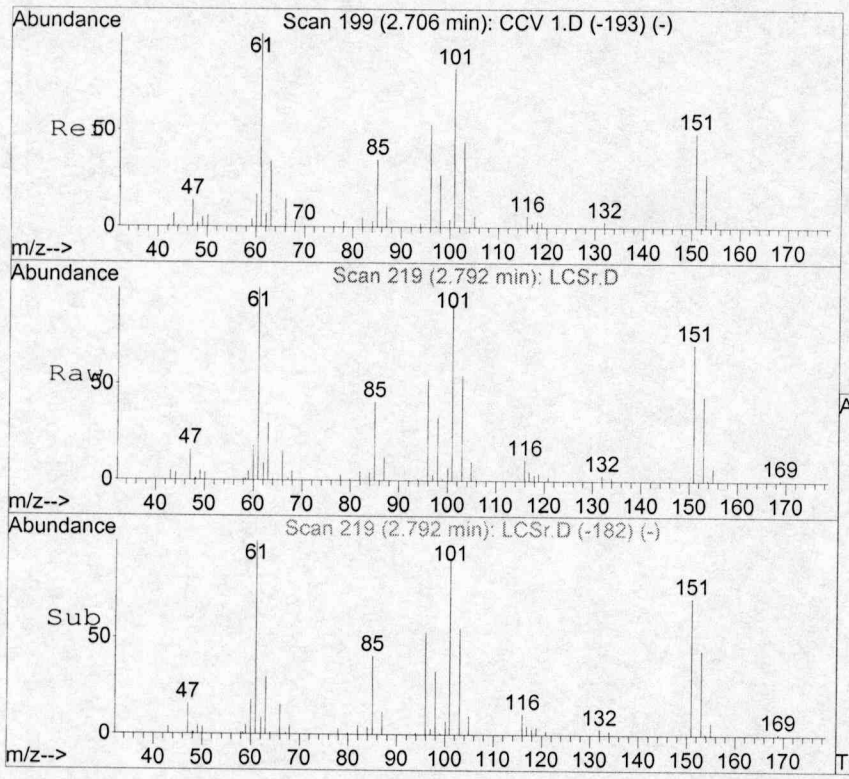


#9
1,1-Dichloroethene
Concen: 113.42 ng
RT: 2.80 min Scan# 221
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 96 Resp: 82024

Ion	Ratio	Lower	Upper
96	100		
61	170.6	139.2	199.2
63	52.6	18.9	78.9
98	65.6	28.8	88.8

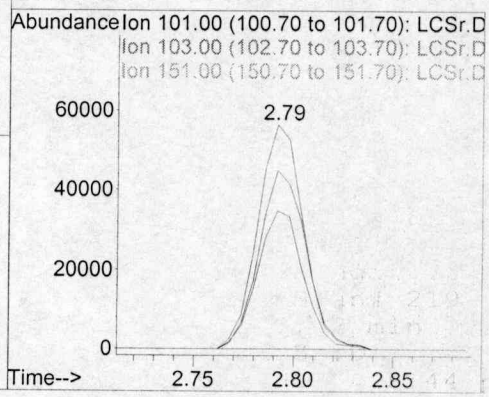


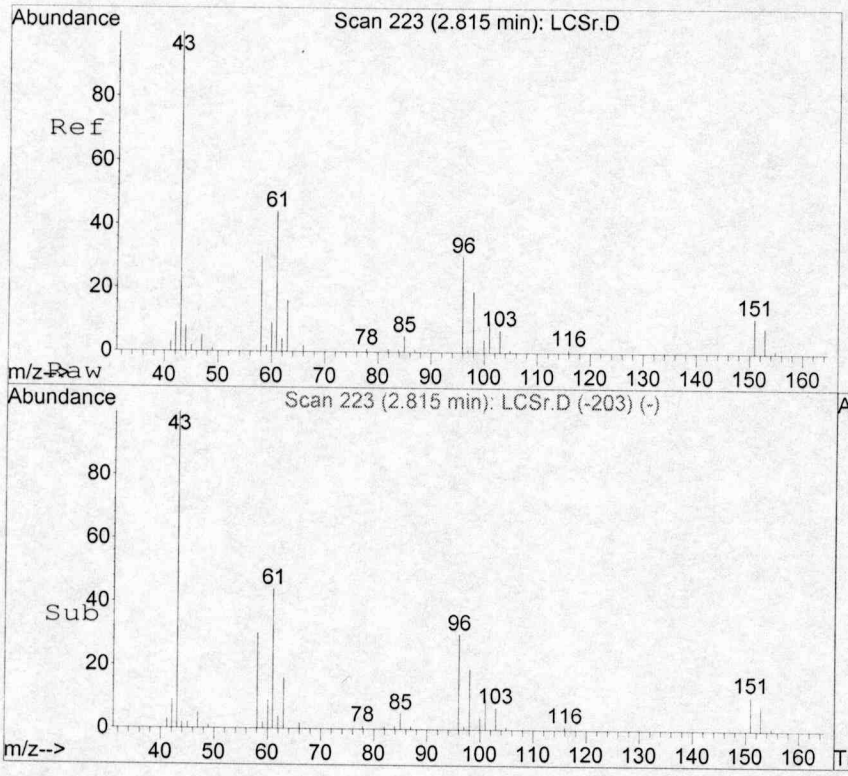


#10
Freon-113
Concen: 105.78 ng
RT: 2.79 min Scan# 219
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:101 Resp: 90067

Ion	Ratio	Lower	Upper
101	100		
103	61.6	32.5	92.5
151	79.7	60.9	120.9

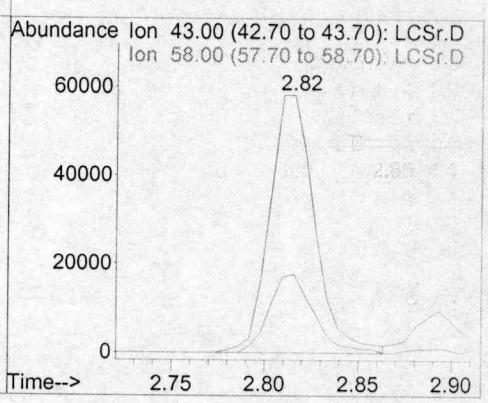


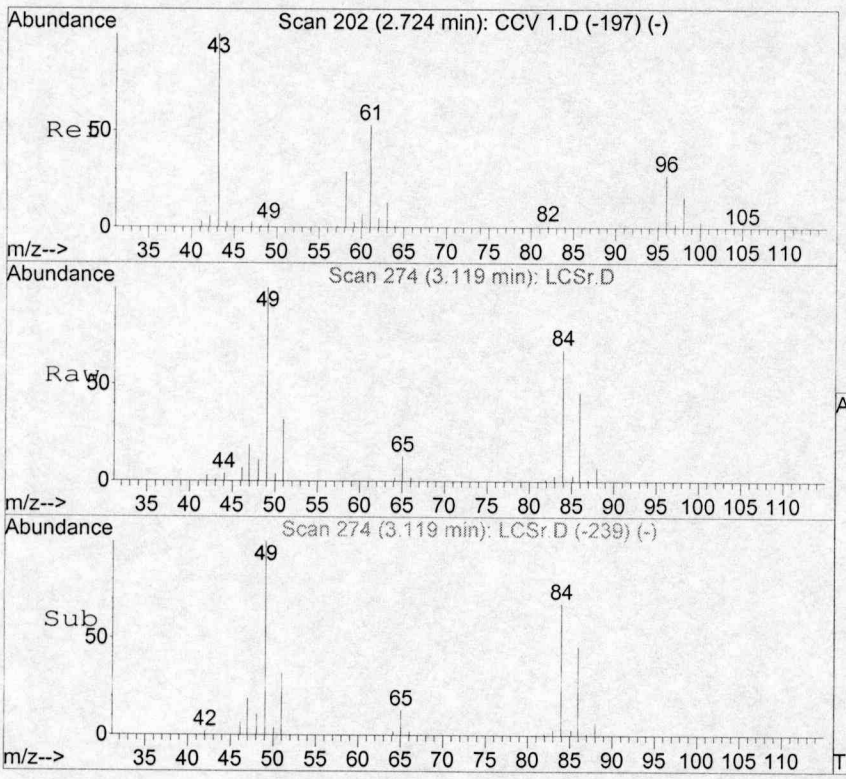


#11
acetone
Concen: 1079.37 ng
RT: 2.82 min Scan# 223
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 43 Resp: 97417

Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.4	36.6

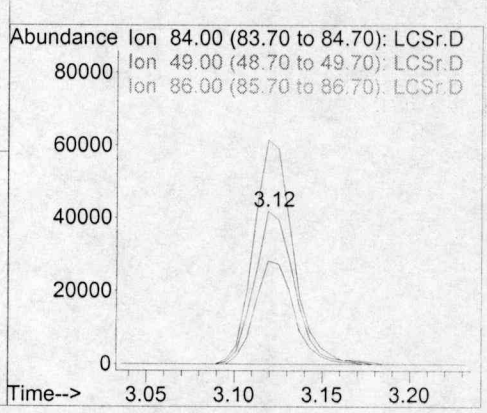


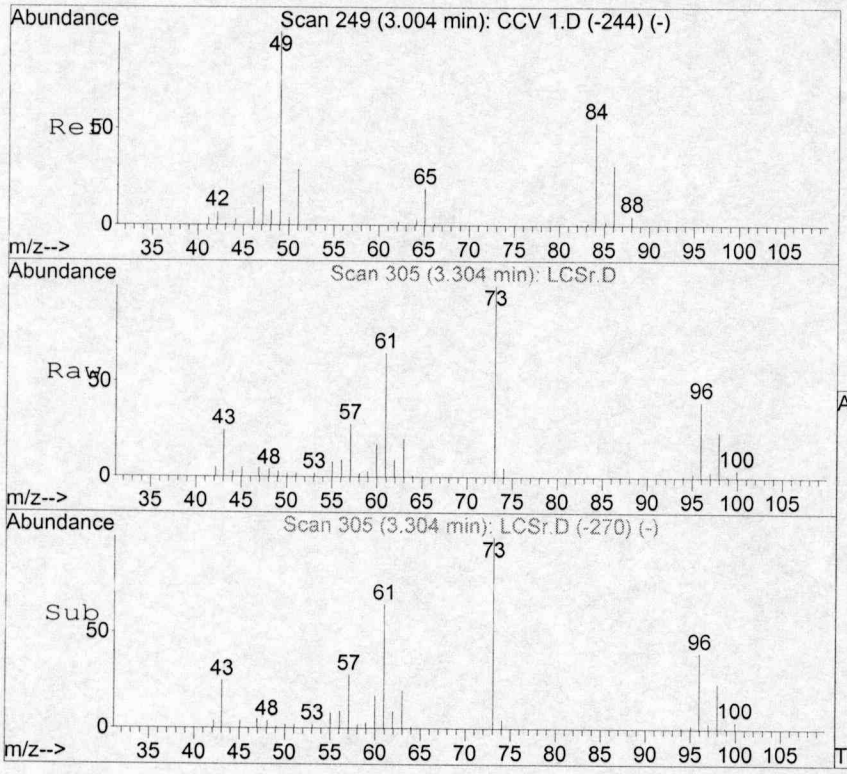


#12
Methylene Chloride
Concen: 107.03 ng
RT: 3.12 min Scan# 274
Delta R.T. 0.01 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 84 Resp: 65848

Ion	Ratio	Lower	Upper
84	100		
49	147.3	134.9	194.9
86	67.4	33.0	93.0

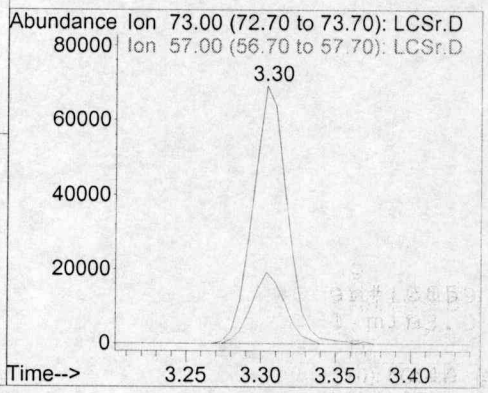


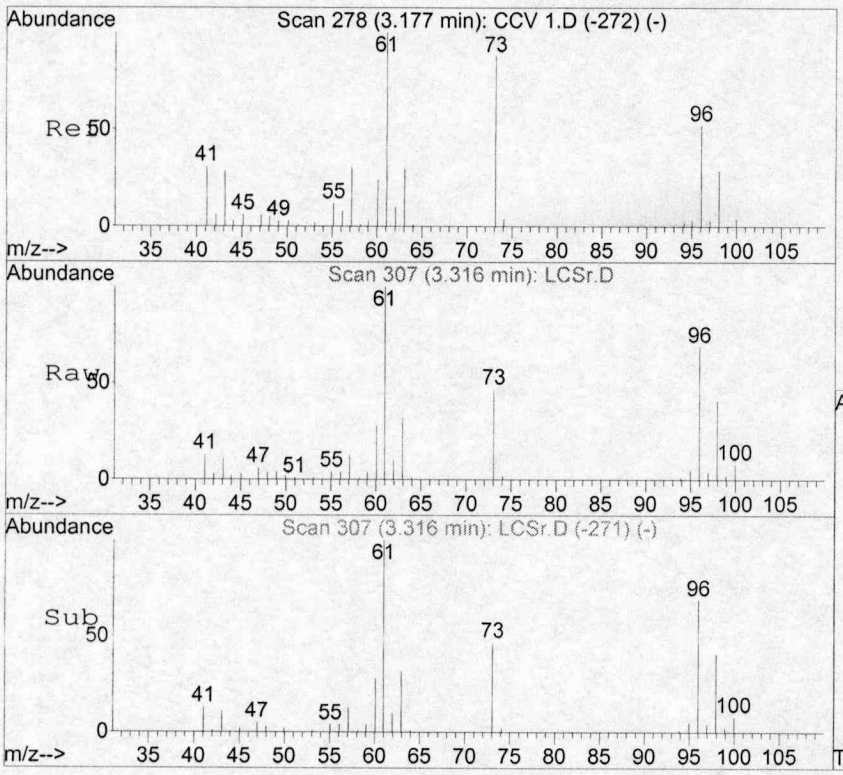


#13
MTBE*
Concen: 131.07 ng
RT: 3.30 min Scan# 305
Delta R.T. 0.01 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 73 Resp: 110627

Ion	Ratio	Lower	Upper
73	100		
57	27.8	0.0	58.3

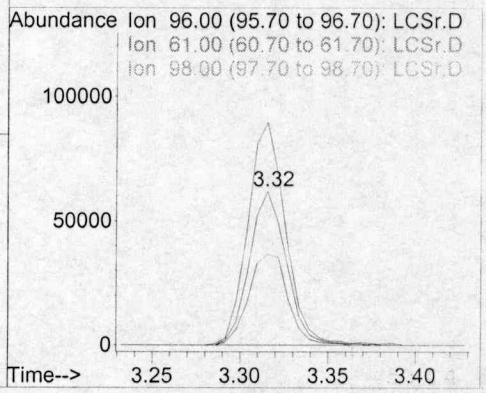


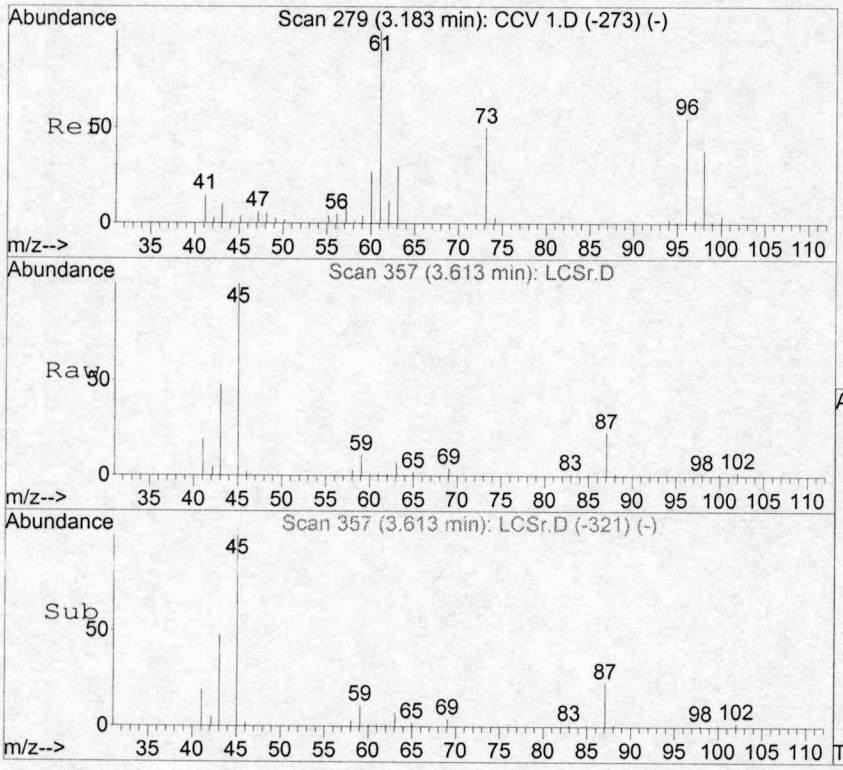


#14
trans-1,2-Dichloroethene
Concen: 116.21 ng
RT: 3.32 min Scan# 307
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 96 Resp: 90293

Ion	Ratio	Lower	Upper
96	100		
61	144.8	122.9	182.9
98	58.9	40.0	100.0

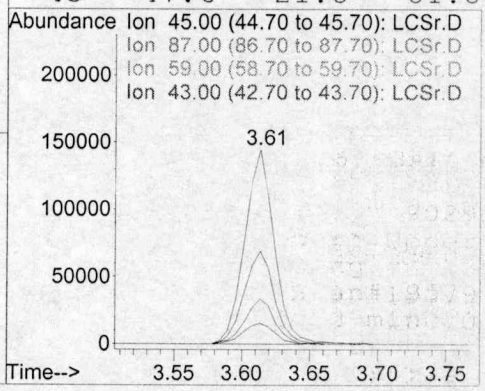


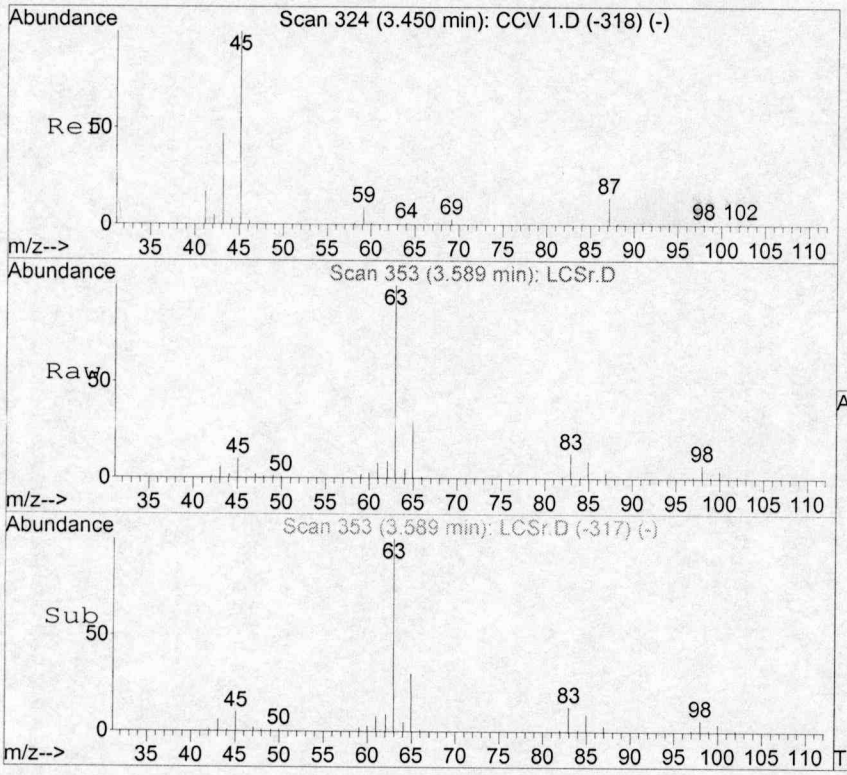


#15
Diisopropyl ether*
Concen: 119.70 ng
RT: 3.61 min Scan# 357
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 45 Resp: 218459

Ion	Ratio	Lower	Upper
45	100		
87	23.2	0.0	52.0
59	10.5	0.0	41.6
43	47.6	21.8	81.8

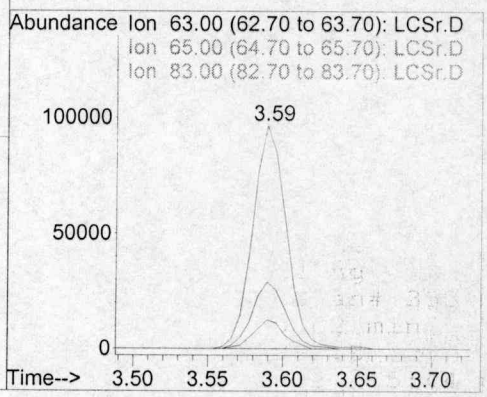


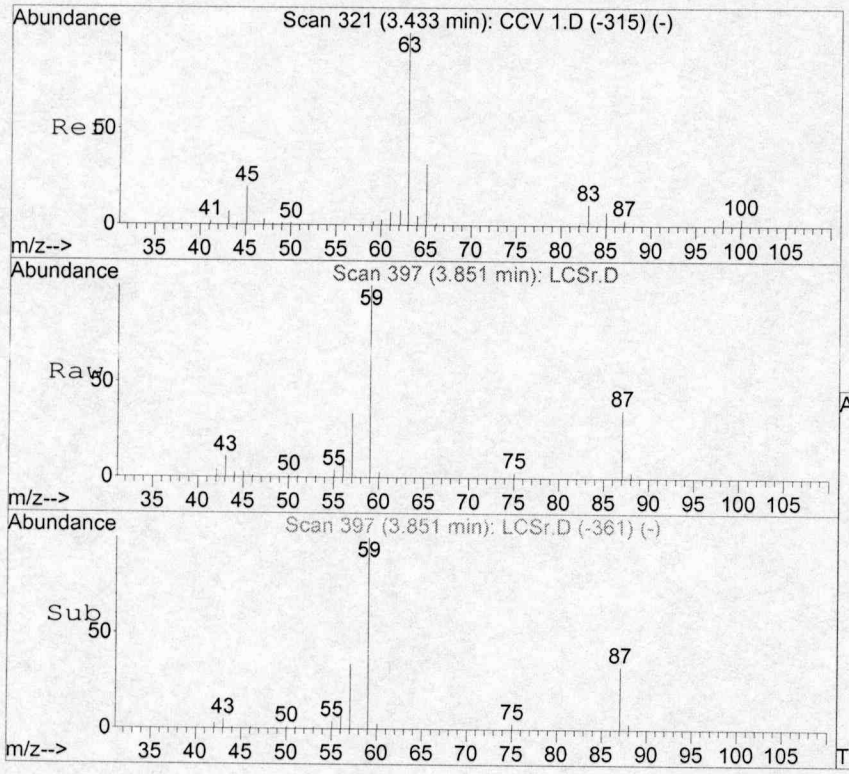


#16
1,1-Dichloroethane
Concen: 110.64 ng
RT: 3.59 min Scan# 353
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 63 Resp: 150912

Ion	Ratio	Lower	Upper
63	100		
65	30.0	0.2	60.2
83	12.9	0.0	43.2

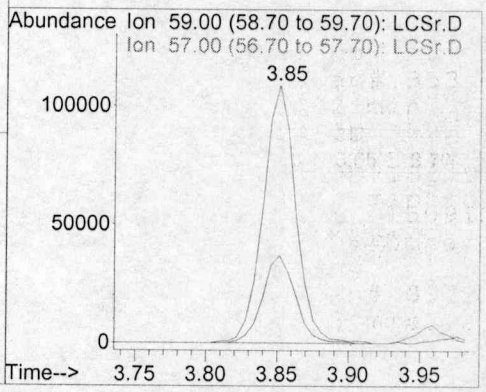


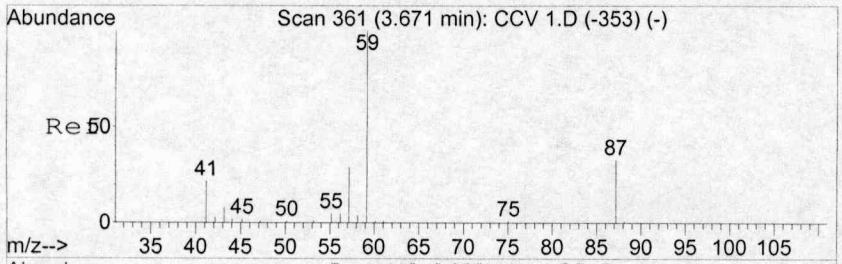


#17
Ethyl-t-butyl ether*
Concen: 113.76 ng
RT: 3.85 min Scan# 397
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 59 Resp: 173211

Ion	Ratio	Lower	Upper
59	100		
57	33.9	3.4	63.4

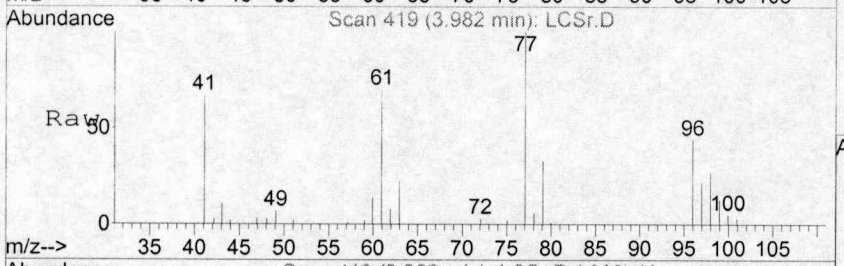


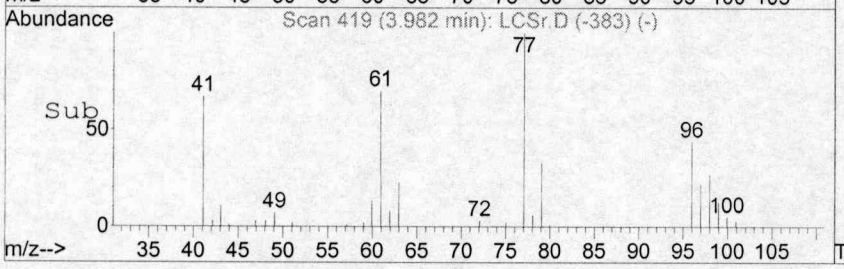


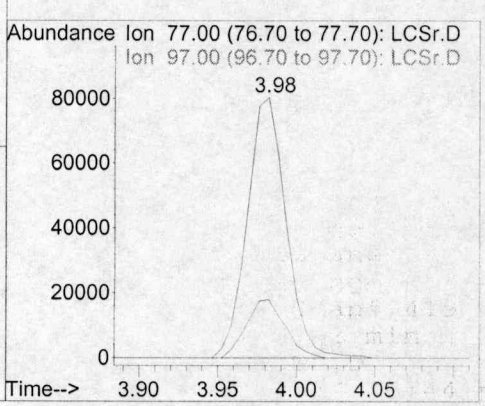
#18
2,2-Dichloropropane
Concen: 119.24 ng
RT: 3.98 min Scan# 419
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

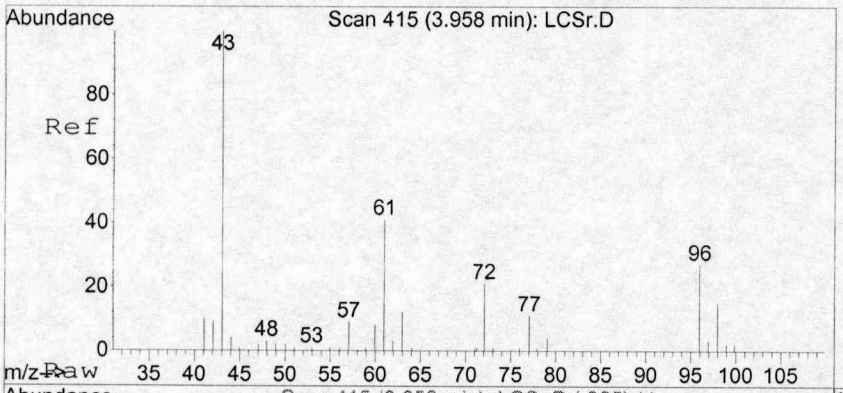
Tgt Ion: 77 Resp: 137043

Ion	Ratio	Lower	Upper
77	100		
97	22.4	0.0	53.0





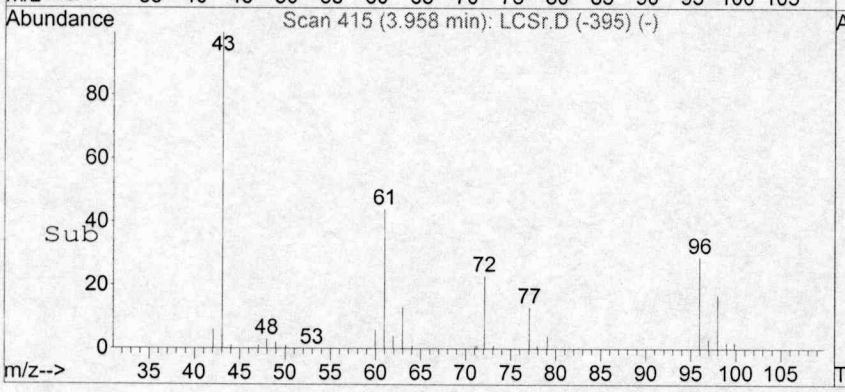


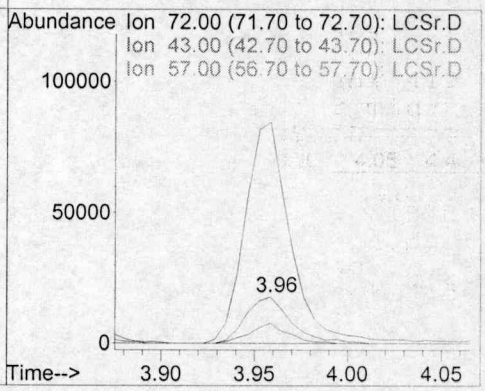


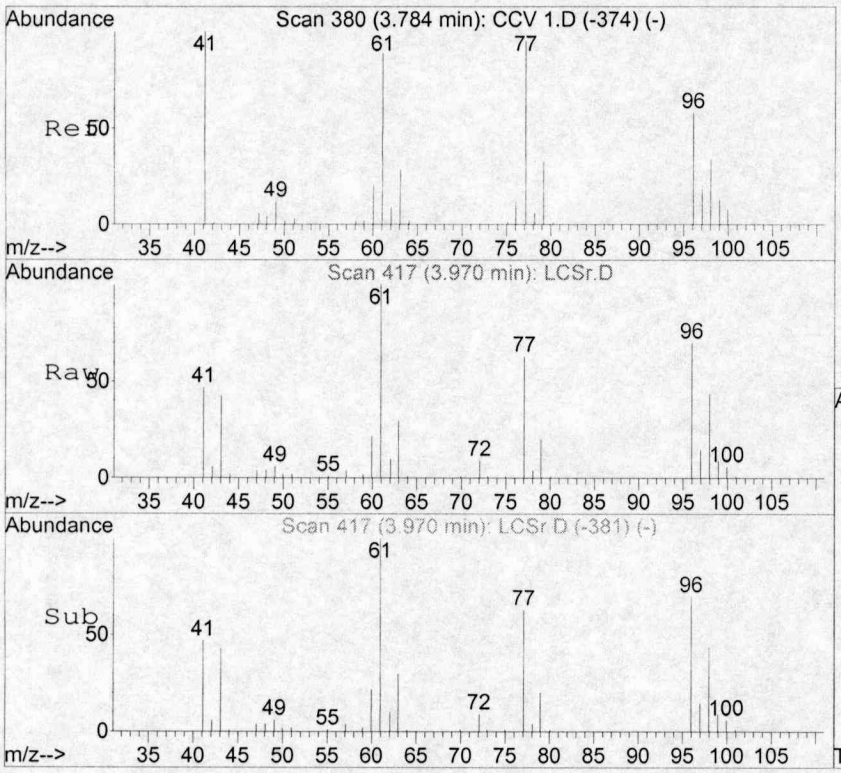
#19
2-Butanone
Concen: 1257.03 ng
RT: 3.96 min Scan# 415
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 72 Resp: 30077

Ion	Ratio	Lower	Upper
72	100		
43	474.2	399.7	599.5
57	43.6	31.6	47.4



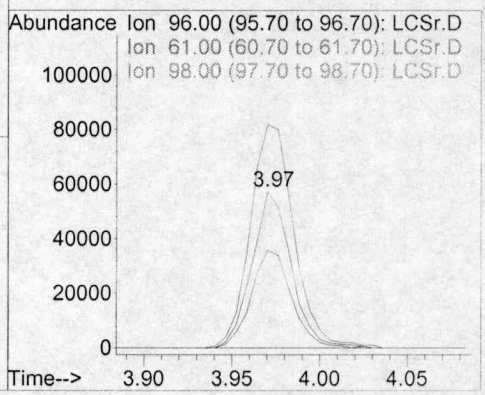


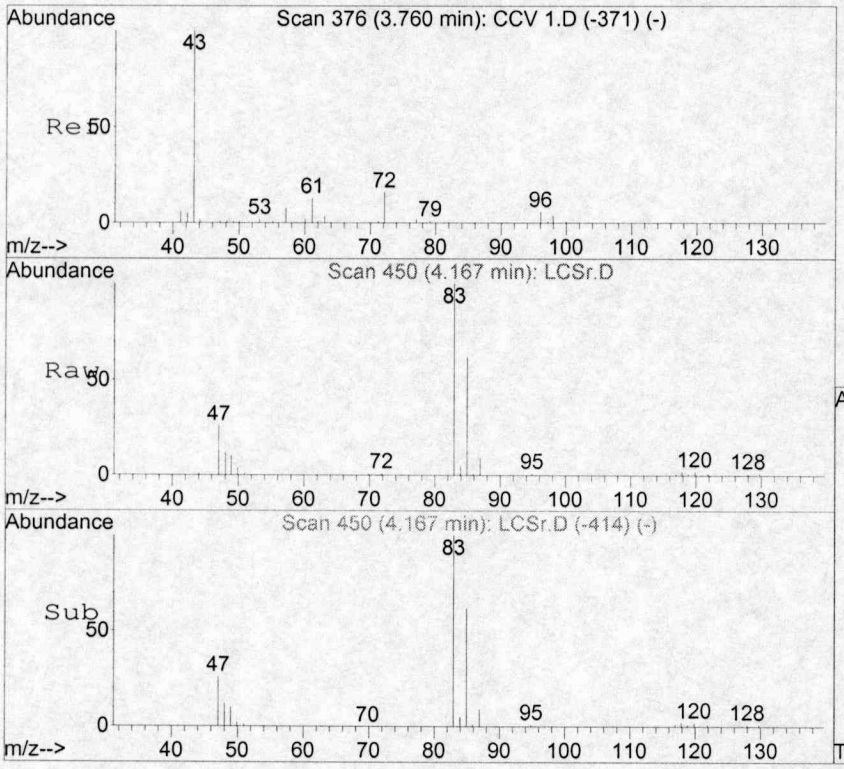


#20
cis-1,2-Dichloroethene
Concen: 117.22 ng
RT: 3.97 min Scan# 417
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 96 Resp: 88922

Ion	Ratio	Lower	Upper
96	100		
61	142.9	131.0	191.0
98	62.4	35.2	95.2

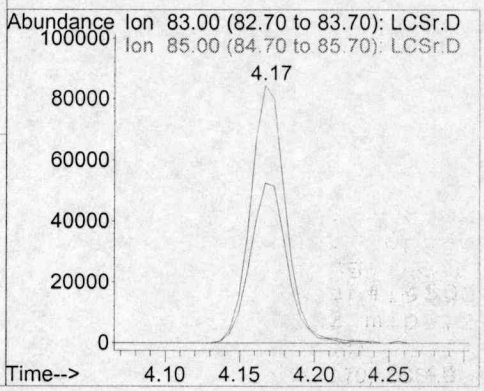


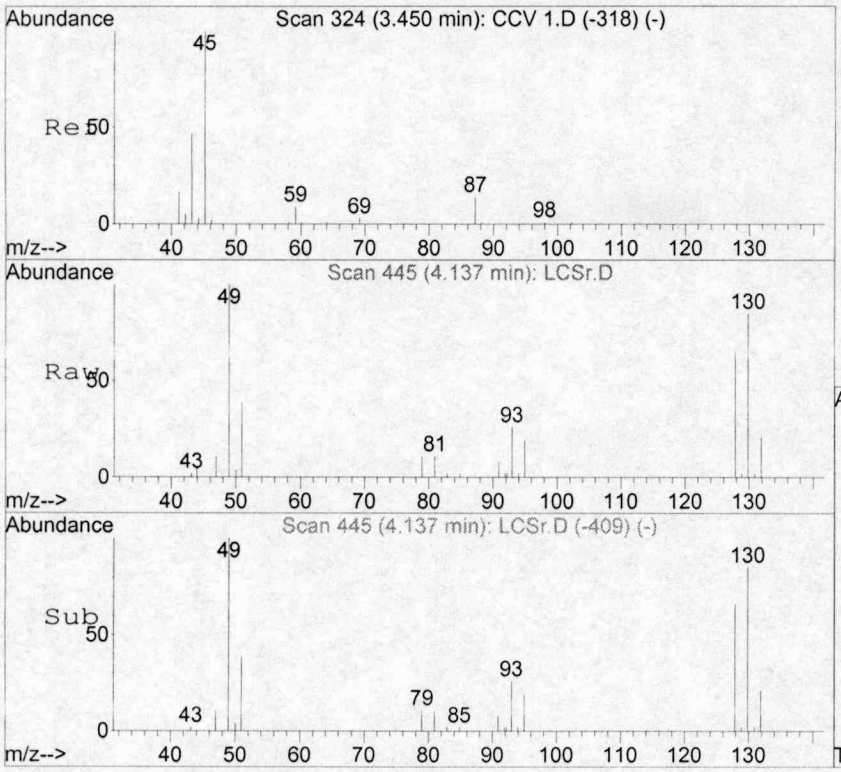


#21
Chloroform
Concen: 117.18 ng
RT: 4.17 min Scan# 450
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 83 Resp: 138559

Ion	Ratio	Lower	Upper
83	100		
85	62.3	40.2	100.2

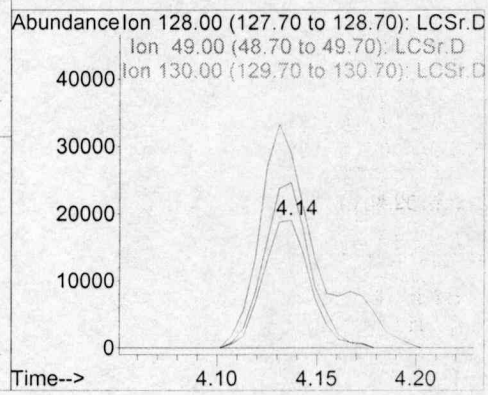


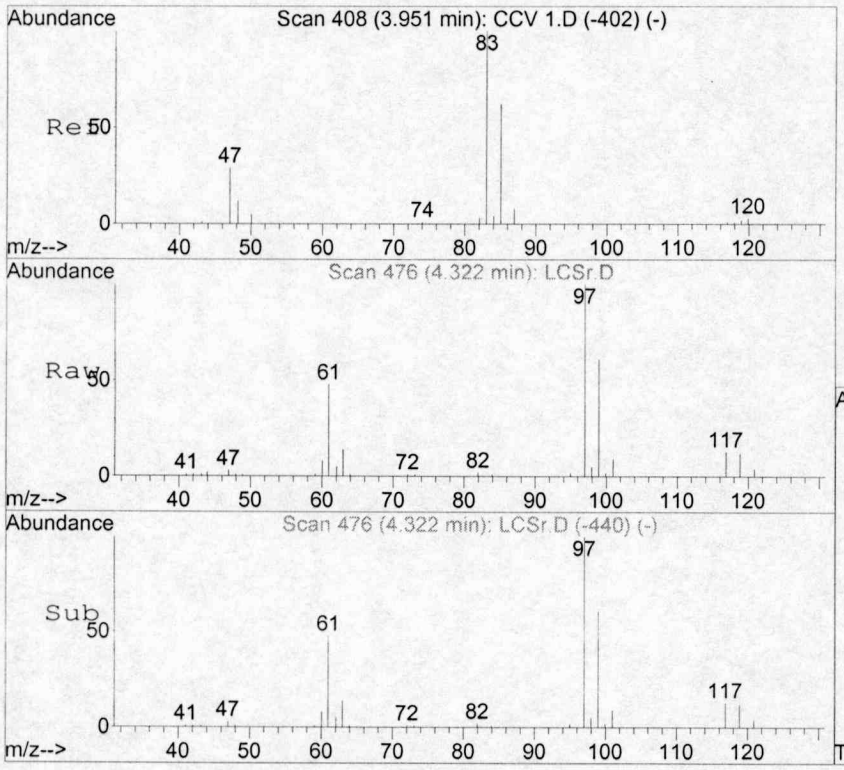


#22
Bromochloromethane
Concen: 108.19 ng
RT: 4.14 min Scan# 445
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:128 Resp: 31415

Ion	Ratio	Lower	Upper
128	100		
49	152.1	156.0	216.0#
130	129.2	89.9	149.9

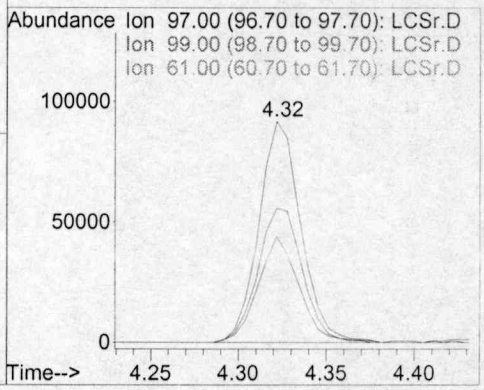


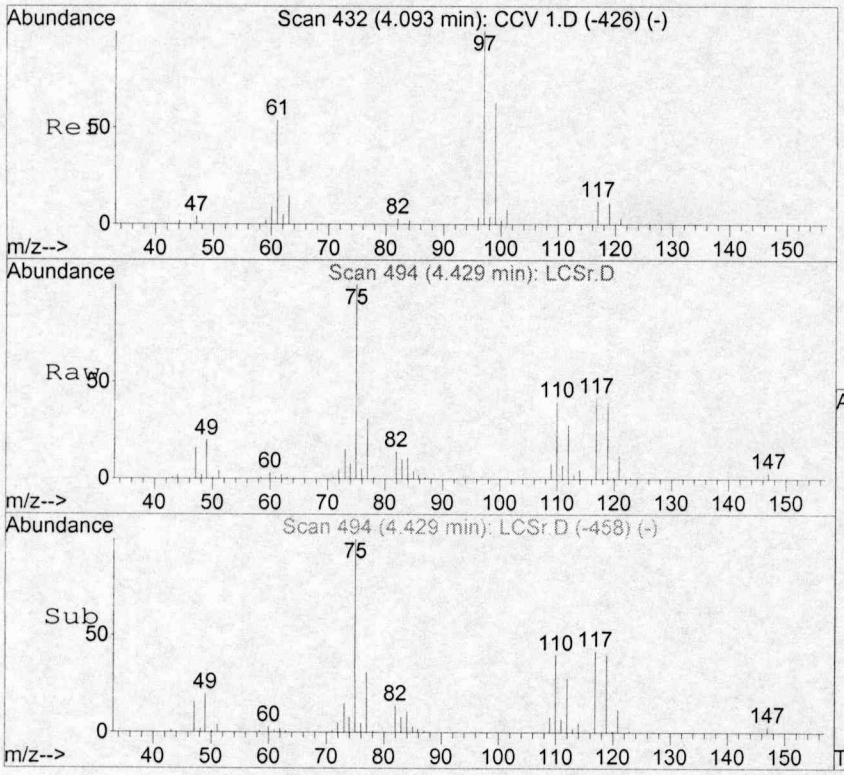


#23
1,1,1-Trichloroethane
Concen: 118.31 ng
RT: 4.32 min Scan# 476
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 97 Resp: 152682

Ion	Ratio	Lower	Upper
97	100		
99	60.7	30.7	90.7
61	47.9	15.9	75.9

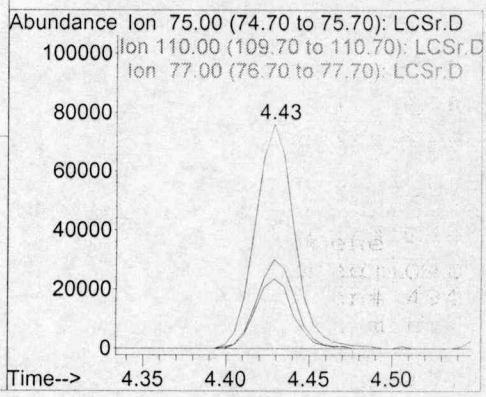


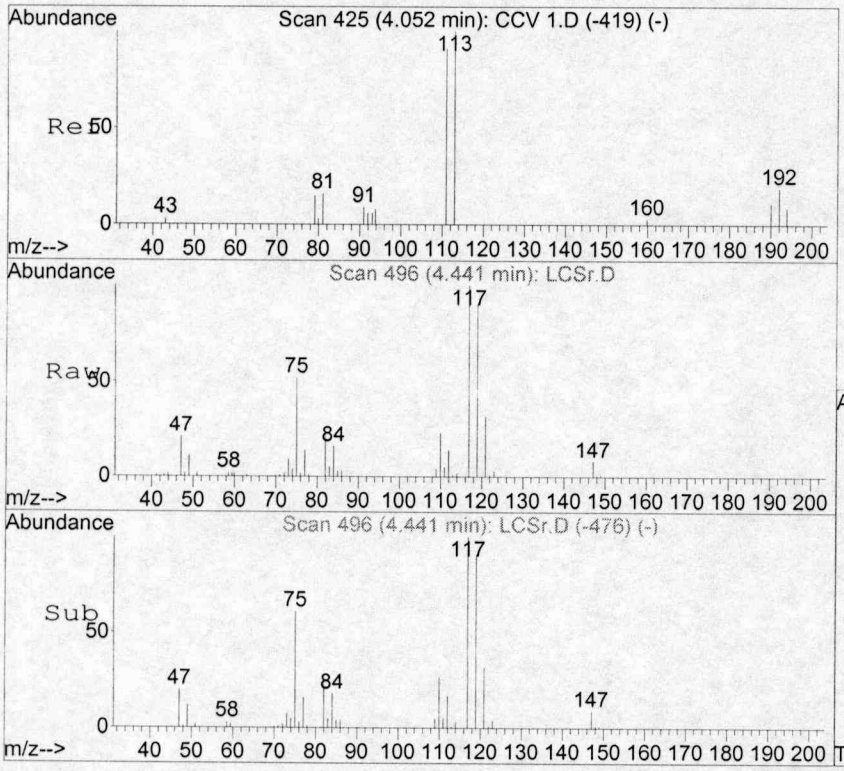


#25
1,1-Dichloropropene
Concen: 119.14 ng
RT: 4.43 min Scan# 494
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 75 Resp: 123772

Ion	Ratio	Lower	Upper
75	100		
110	39.6	5.0	65.0
77	30.9	0.8	60.8

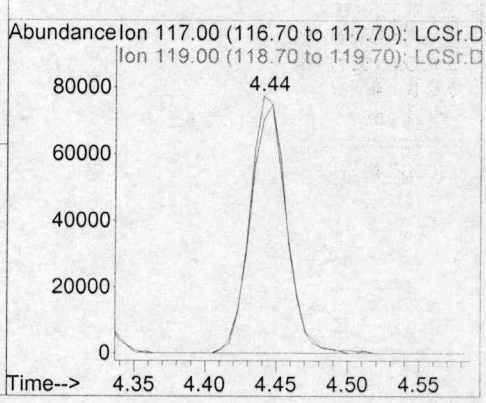


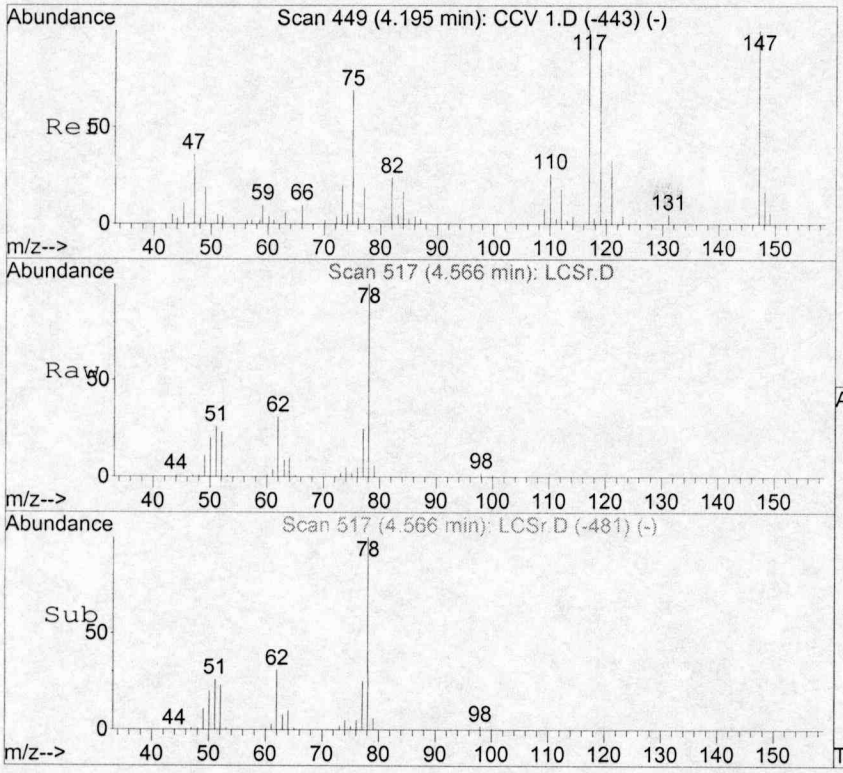


#26
Carbon Tetrachloride
Concen: 107.87 ng
RT: 4.44 min Scan# 496
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:117 Resp: 137602

Ion	Ratio	Lower	Upper
117	100		
119	90.8	60.8	120.8

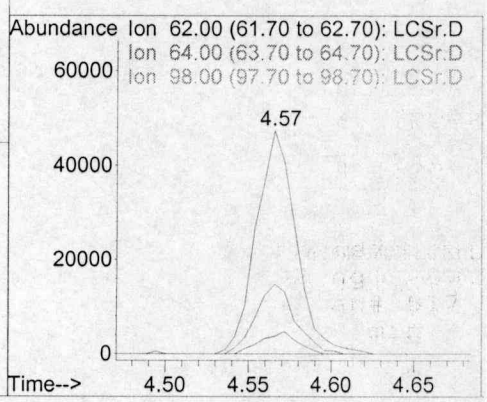


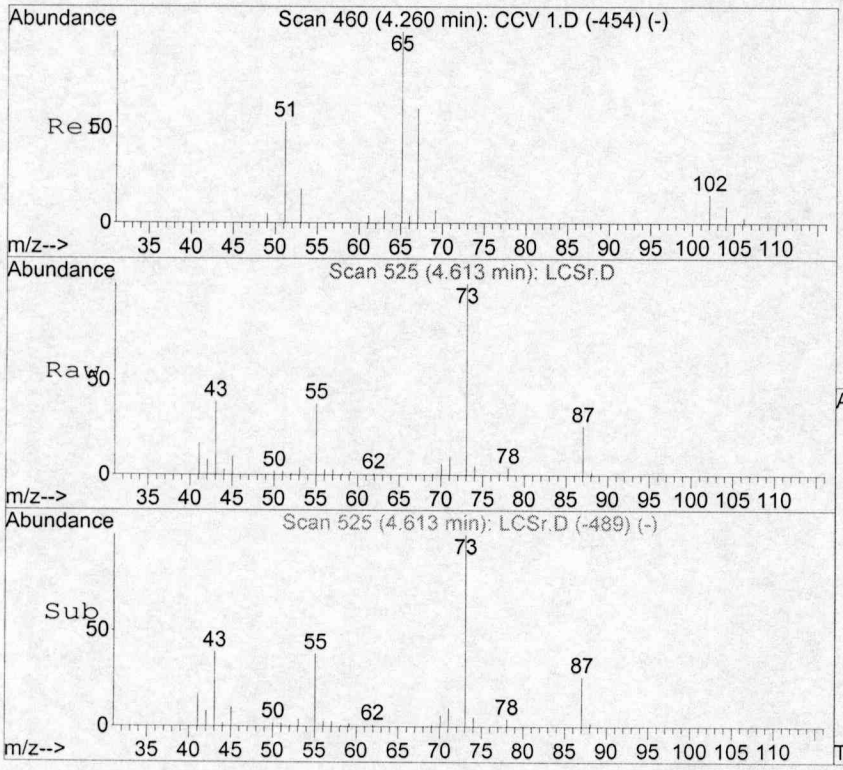


#28
1,2-Dichloroethane
Concen: 129.92 ng
RT: 4.57 min Scan# 517
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 62 Resp: 78417

Ion	Ratio	Lower	Upper
62	100		
64	31.1	0.1	60.1
98	7.8	0.0	41.6

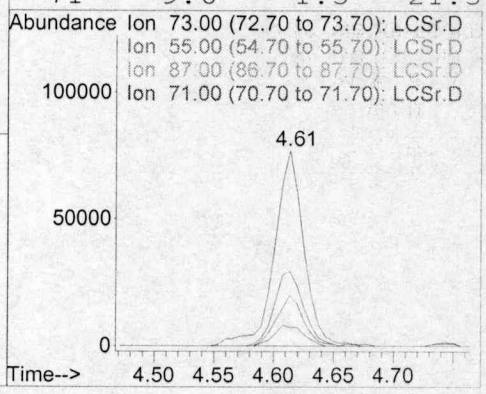


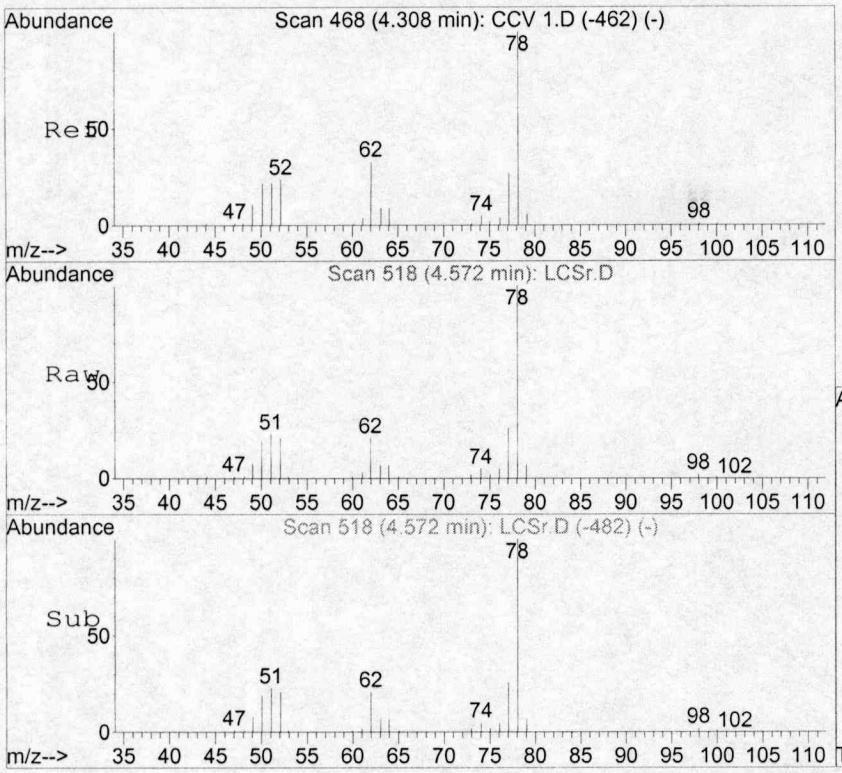


#29
TAME* (2-methoxy-2-methylbutane
Concen: 133.41 ng
RT: 4.61 min Scan# 525
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 73 Resp: 130545

Ion	Ratio	Lower	Upper
73	100		
55	38.5	14.6	74.6
87	26.0	0.0	54.3
71	9.6	1.5	21.5

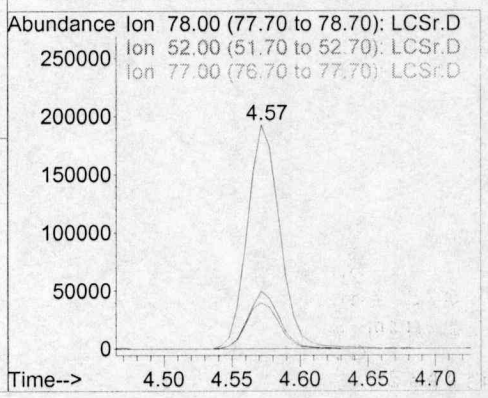


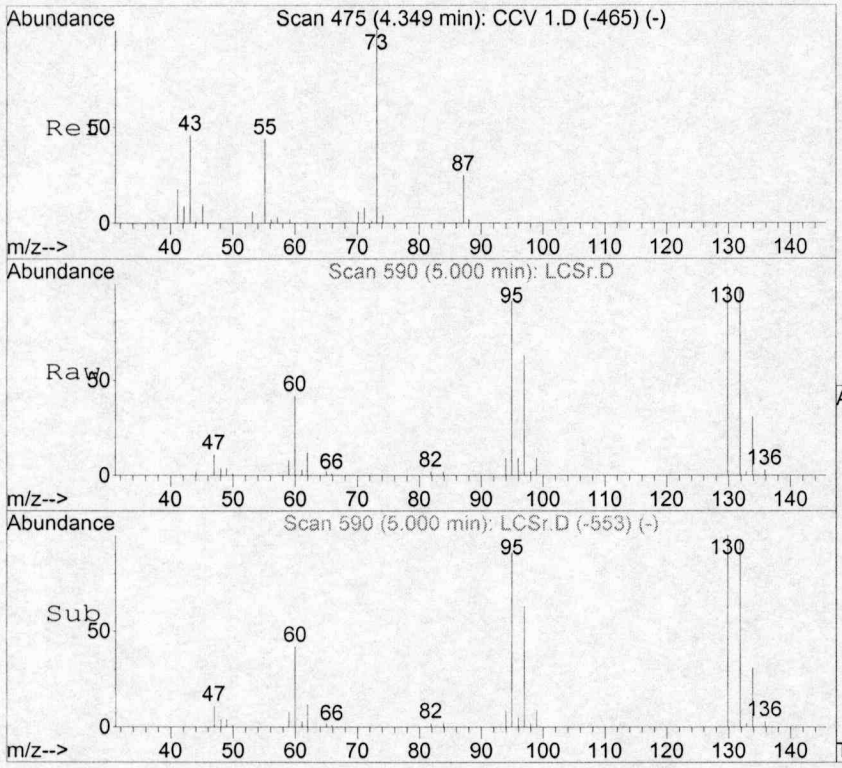


#30
Benzene*
Concen: 110.93 ng
RT: 4.57 min Scan# 518
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 78 Resp: 320362

Ion	Ratio	Lower	Upper
78	100		
52	20.7	3.8	43.8
77	25.7	4.0	44.0

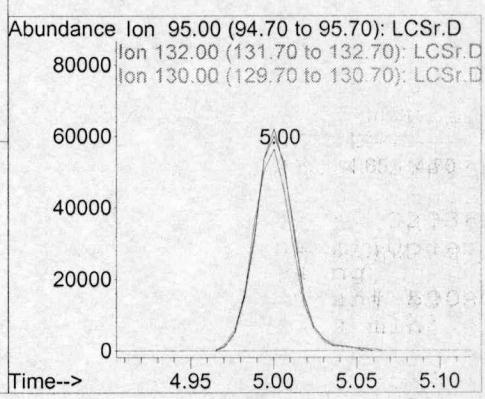


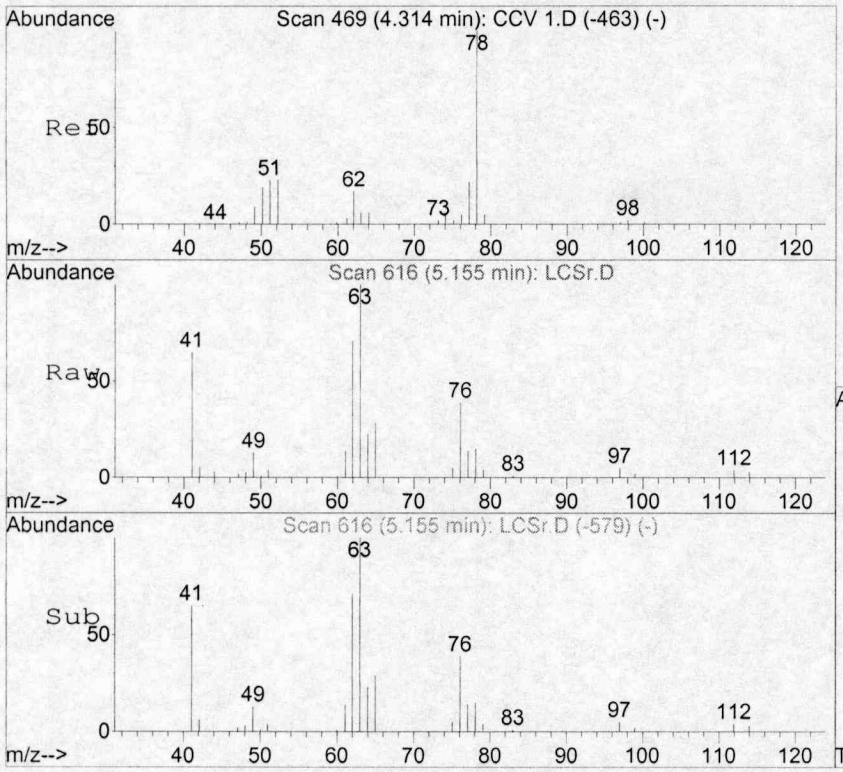


#31
Trichloroethene
Concen: 113.94 ng
RT: 5.00 min Scan# 590
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 95 Resp: 94665

Ion	Ratio	Lower	Upper
95	100		
132	106.5	92.0	152.0
130	110.1	88.9	148.9

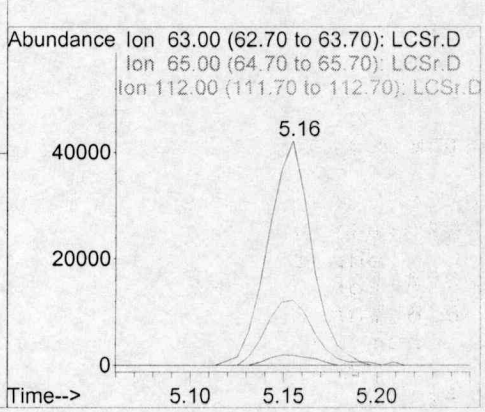


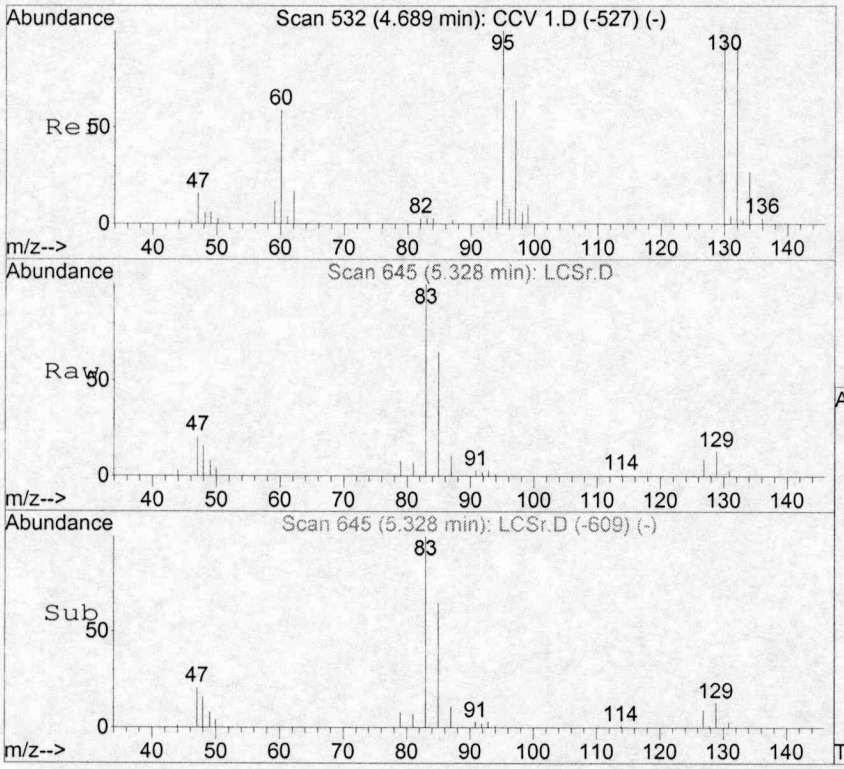


#32
1,2-Dichloropropane
Concen: 106.00 ng
RT: 5.16 min Scan# 616
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 63 Resp: 69012

Ion	Ratio	Lower	Upper
63	100		
65	29.0	0.0	59.5
112	4.4	0.0	34.6

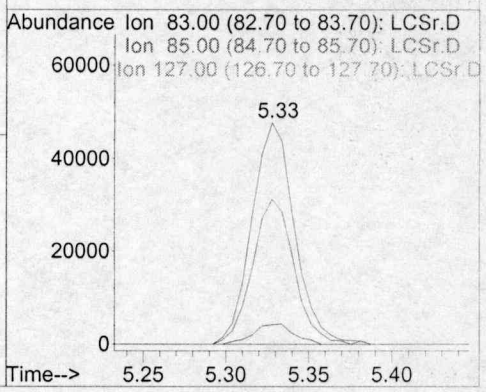


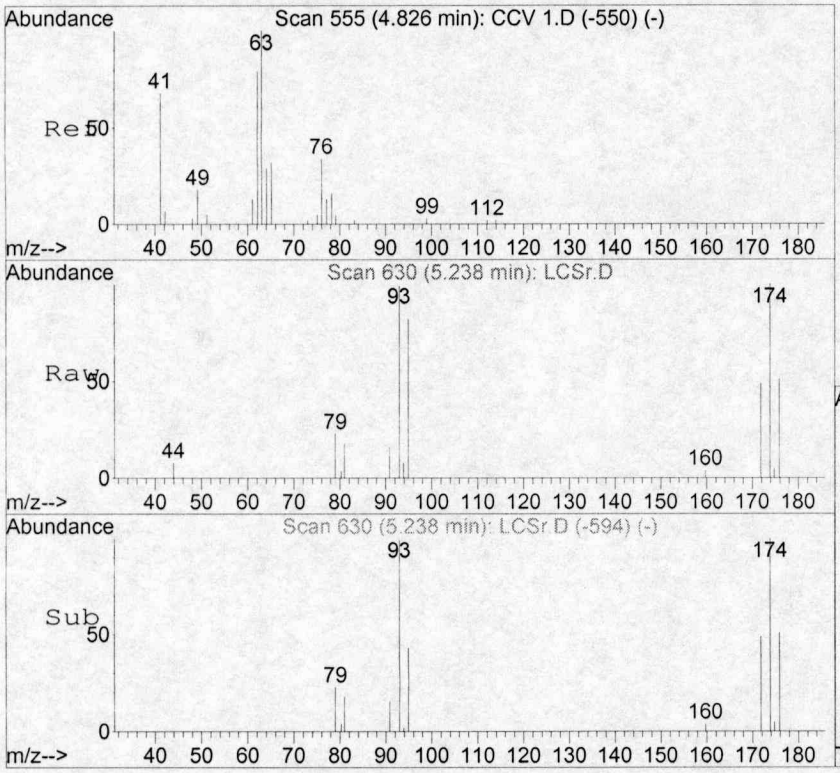


#33
Bromodichloromethane
Concen: 120.02 ng
RT: 5.33 min Scan# 645
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 83 Resp: 85402

Ion	Ratio	Lower	Upper
83	100		
85	65.3	33.6	93.6
127	8.8	0.0	41.0

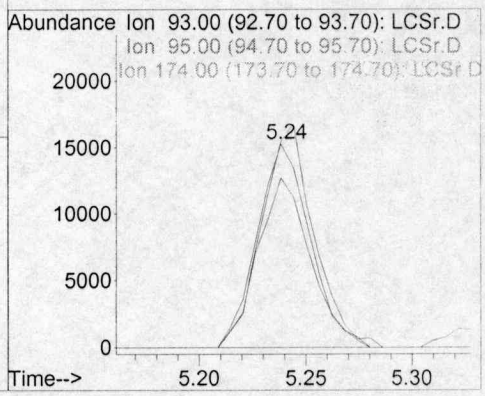


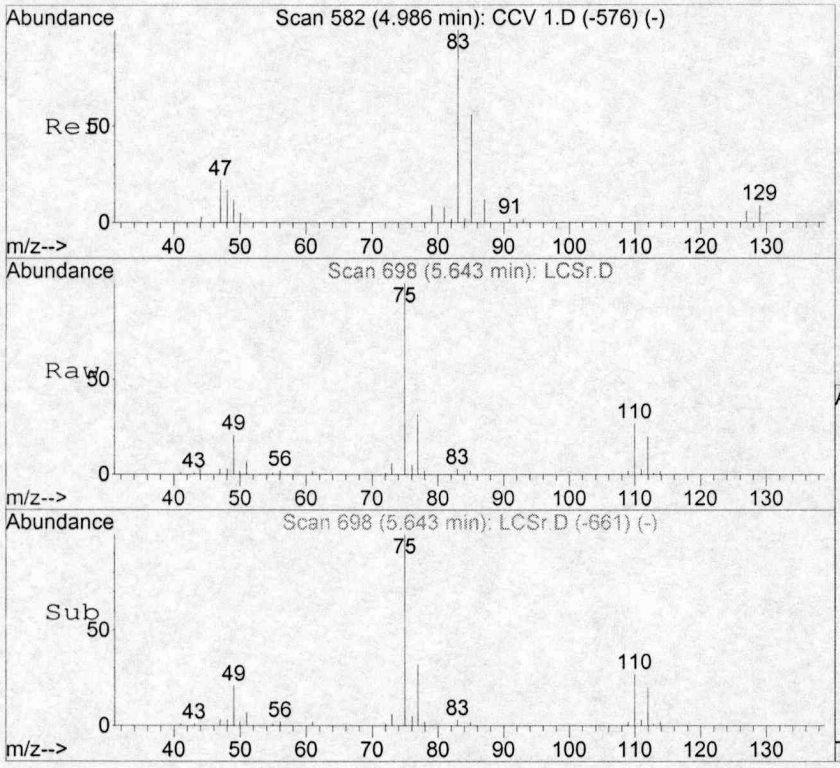


#34
Dibromomethane
Concen: 115.65 ng
RT: 5.24 min Scan# 630
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 93 Resp: 26134

Ion	Ratio	Lower	Upper
93	100		
95	83.2	55.8	115.8
174	101.4	79.1	139.1

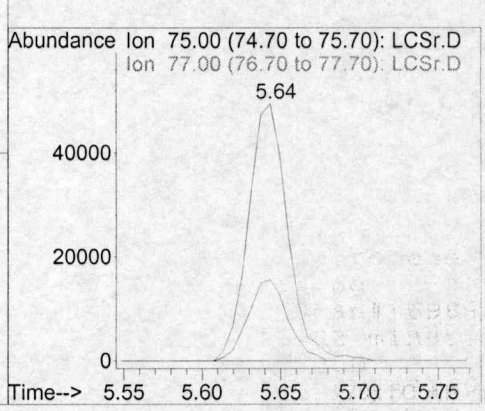


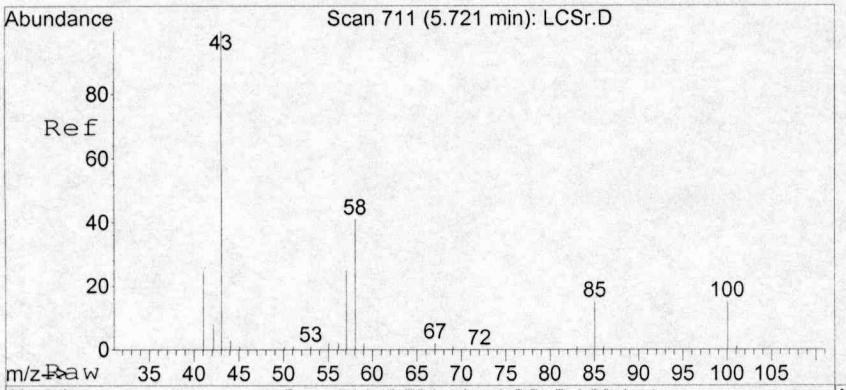


#35
cis-1,3-Dichloropropene
Concen: 117.15 ng
RT: 5.64 min Scan# 698
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 75 Resp: 86474

Ion	Ratio	Lower	Upper
75	100		
77	31.6	0.0	57.2

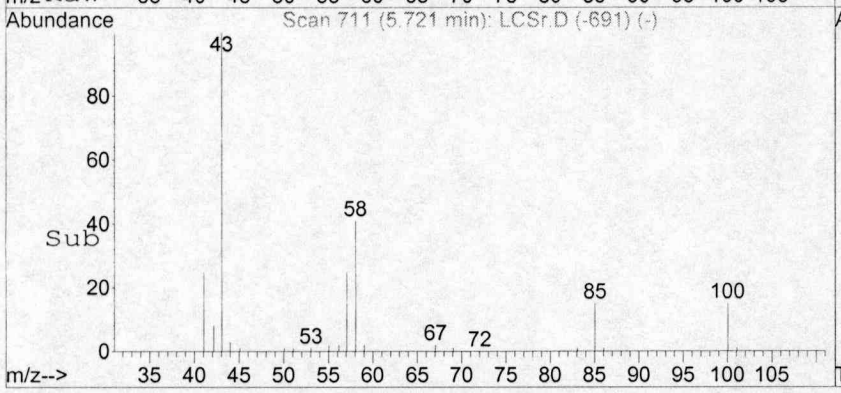


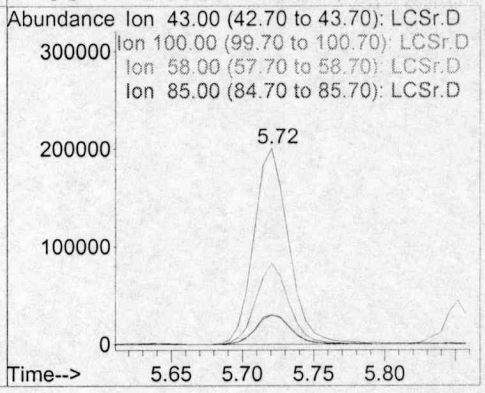


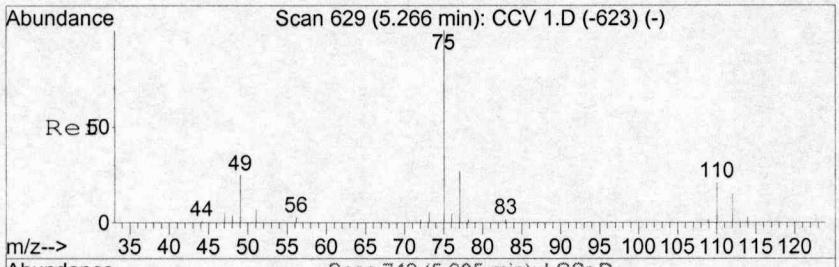
#36
Methyl Isobutyl Ketone
Concen: 1307.97 ng
RT: 5.72 min Scan# 711
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 43 Resp: 341831

Ion	Ratio	Lower	Upper
43	100		
100	15.0	9.9	14.9#
58	41.2	29.9	44.9
85	14.8	10.6	15.8



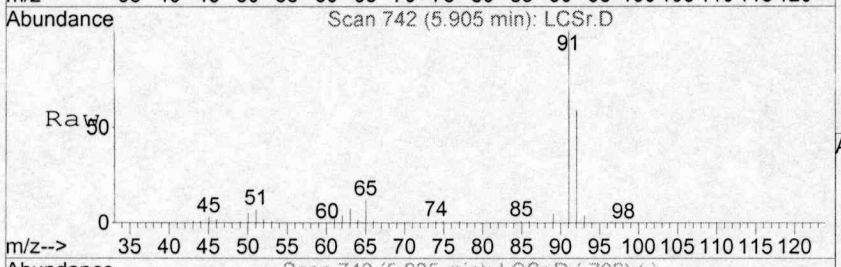


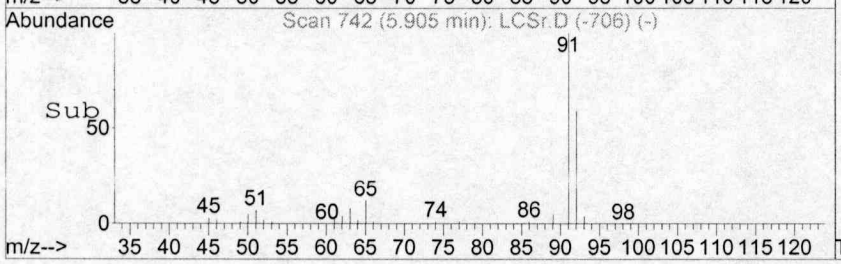


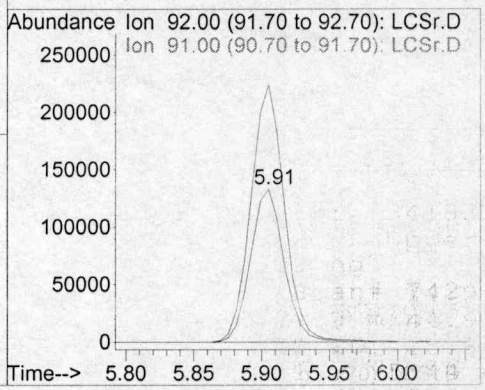
#38
Toluene*
Concen: 107.09 ng
RT: 5.91 min Scan# 742
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

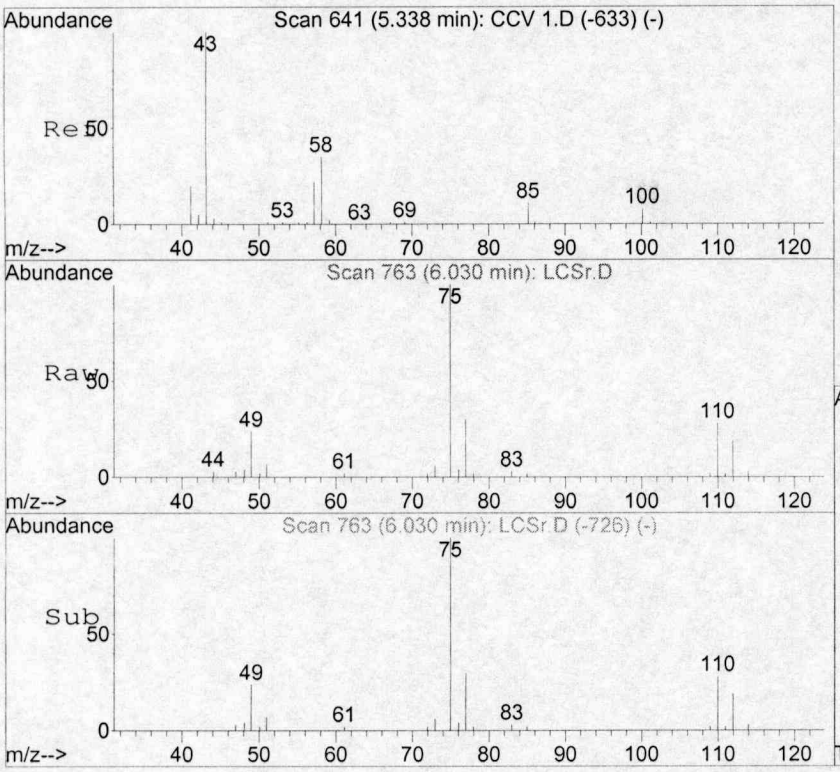
Tgt Ion: 92 Resp: 227690

Ion	Ratio	Lower	Upper
92	100		
91	168.6	130.7	190.7





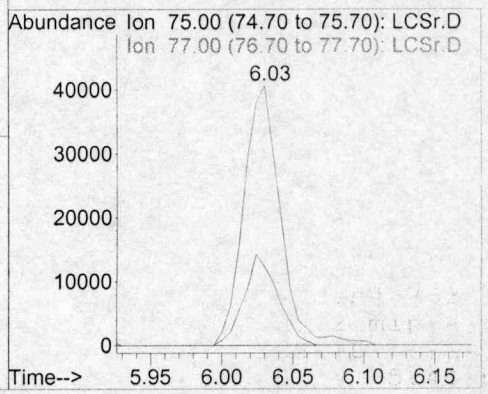


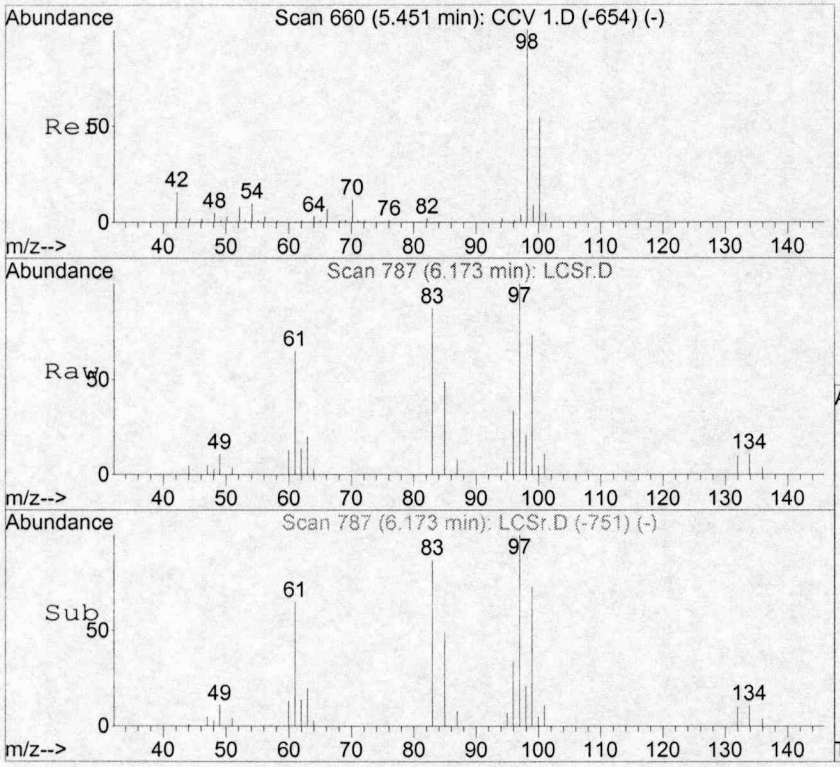


#39
trans-1,3-Dichloropropene
Concen: 126.20 ng
RT: 6.03 min Scan# 763
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 75 Resp: 72780

Ion	Ratio	Lower	Upper
75	100		
77	30.3	0.7	60.7

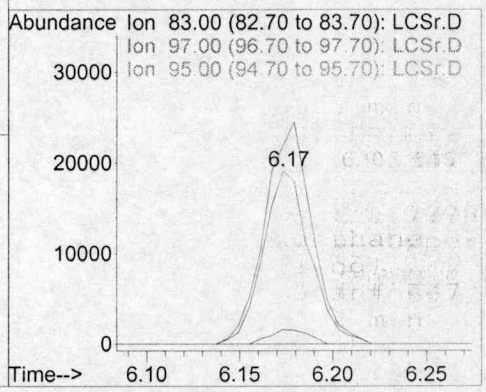


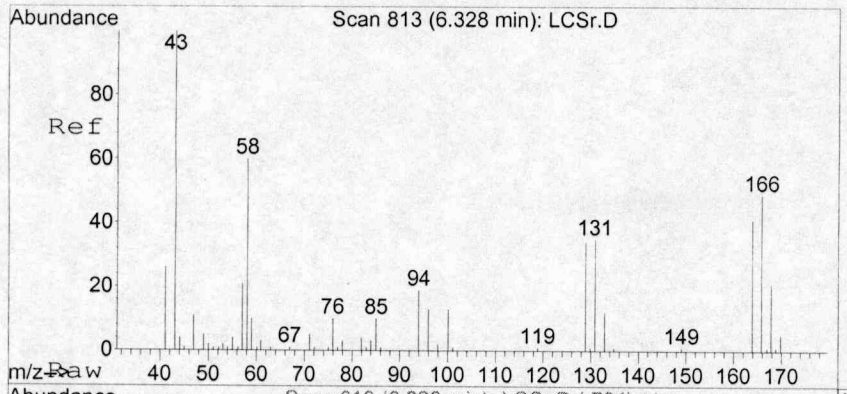


#40
1,1,2-Trichloroethane
Concen: 117.11 ng
RT: 6.17 min Scan# 787
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 83 Resp: 33556

Ion	Ratio	Lower	Upper
83	100		
97	114.6	86.6	146.6
95	8.4	0.0	37.8

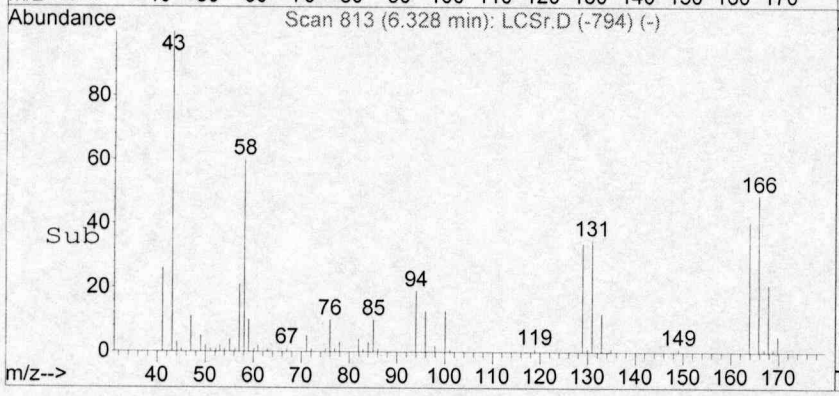


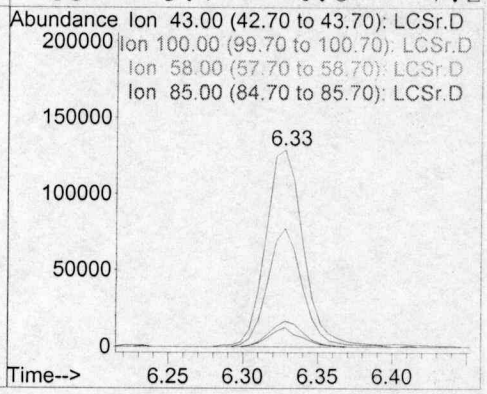


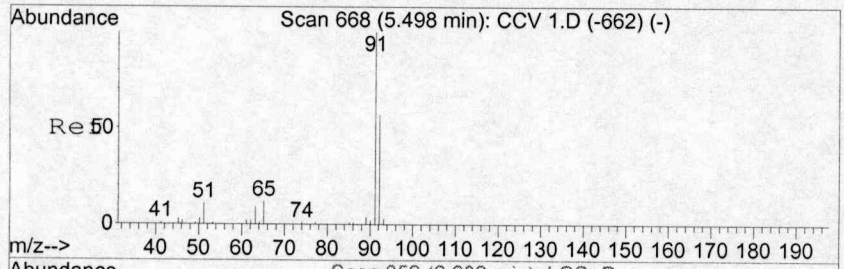
#41
2-Hexanone
Concen: 1324.36 ng
RT: 6.33 min Scan# 813
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 43 Resp: 225261

Ion	Ratio	Lower	Upper
43	100		
100	13.0	8.5	12.7#
58	59.9	41.6	62.4
85	9.7	4.8	7.2#



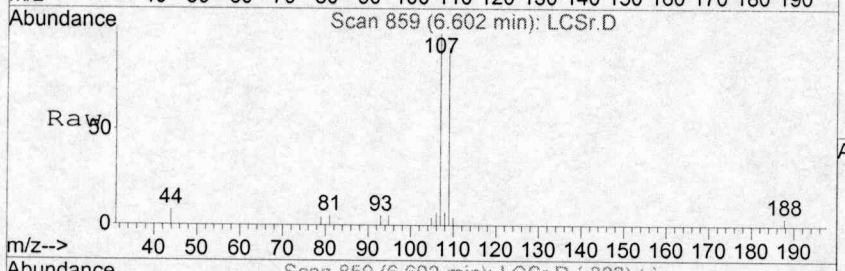


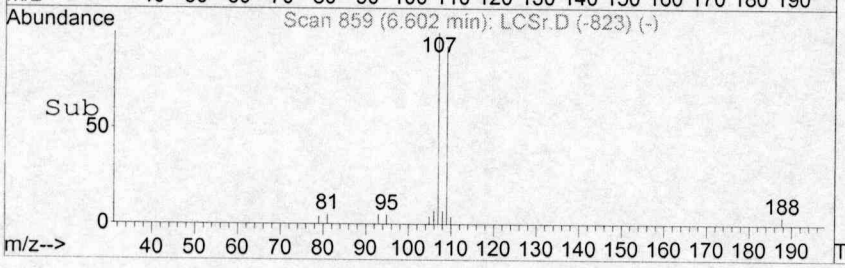


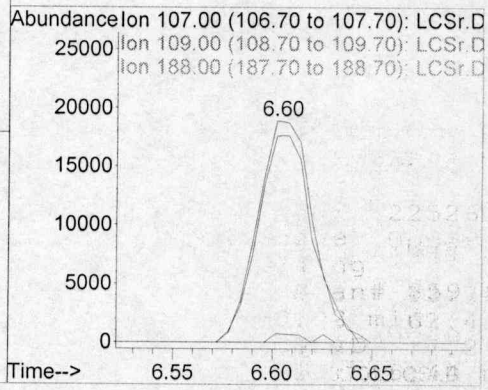
#42
1,2-Dibromoethane
Concen: 117.24 ng
RT: 6.60 min Scan# 859
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

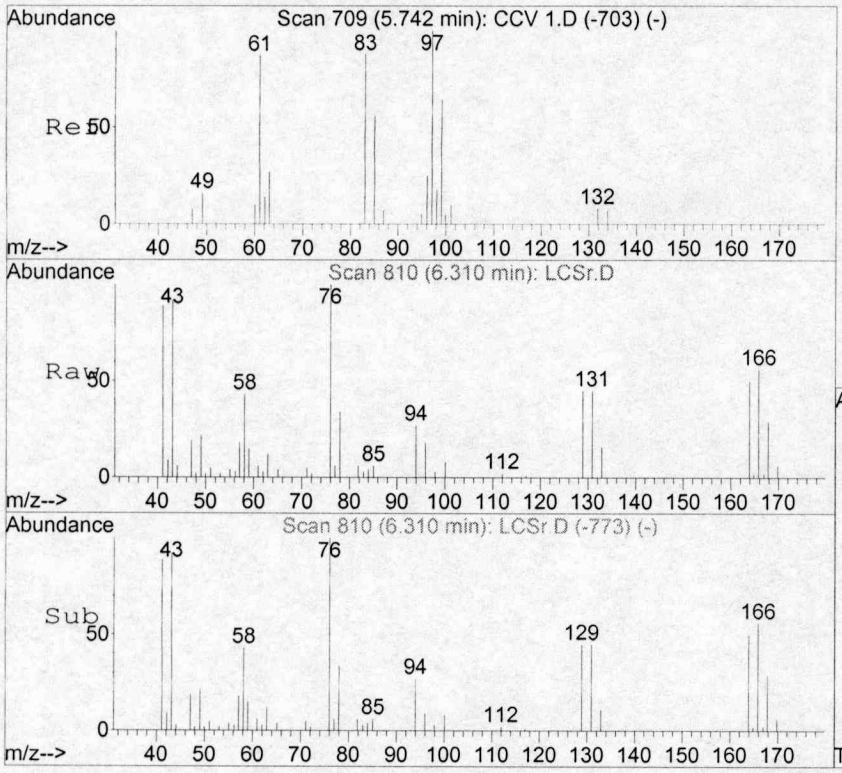
Tgt Ion:107 Resp: 36734

Ion	Ratio	Lower	Upper
107	100		
109	93.1	54.4	114.4
188	3.9	0.0	30.0





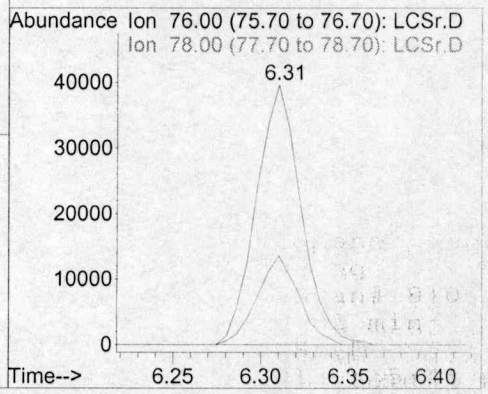


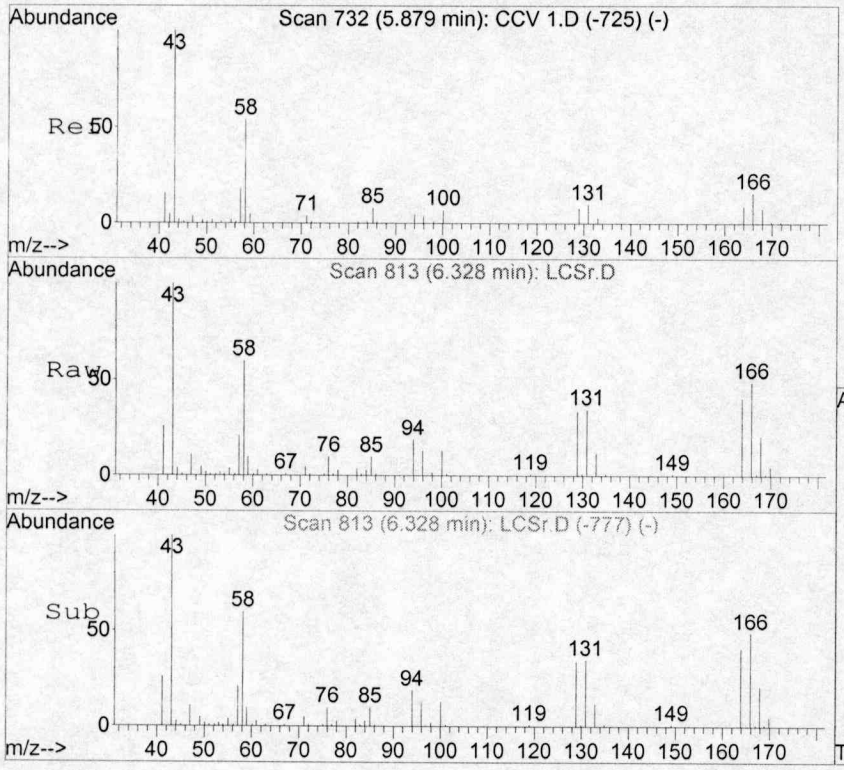


#44
1,3-Dichloropropane
Concen: 113.06 ng
RT: 6.31 min Scan# 810
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 76 Resp: 70145

Ion	Ratio	Lower	Upper
76	100		
78	34.3	0.0	59.3

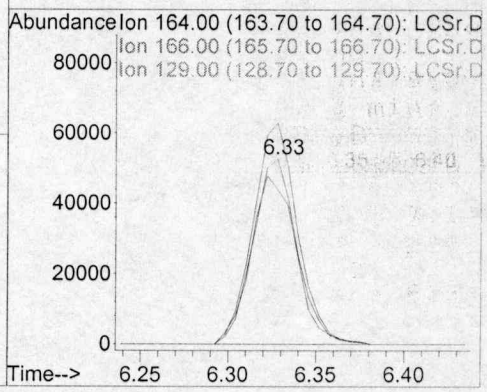


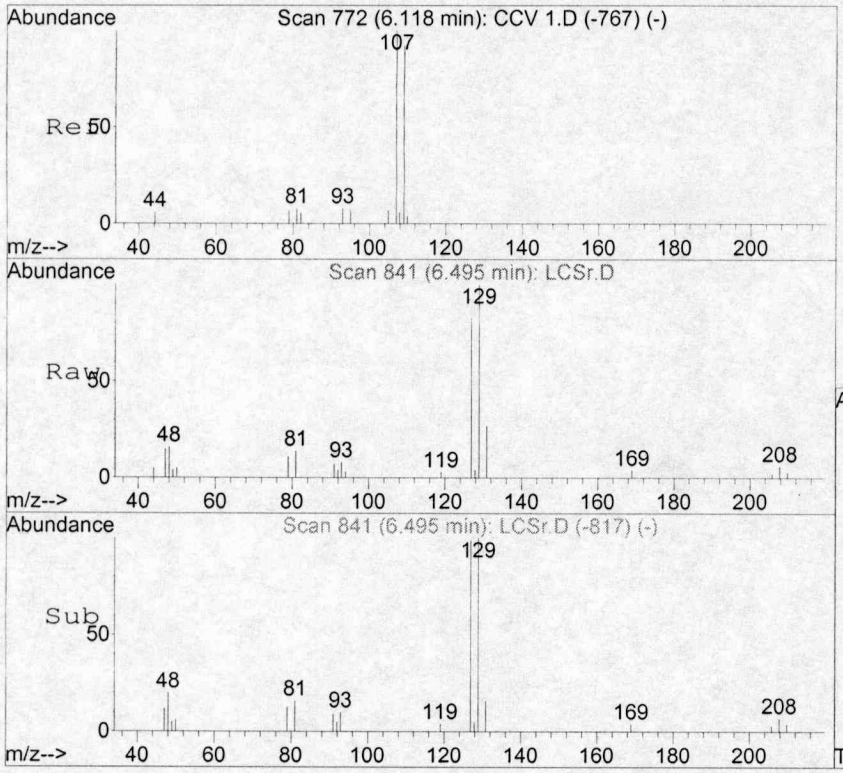


#45
Tetrachloroethene
Concen: 104.55 ng
RT: 6.33 min Scan# 813
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:164 Resp: 92025

Ion	Ratio	Lower	Upper
164	100		
166	119.5	100.1	160.1
129	83.6	59.7	119.7

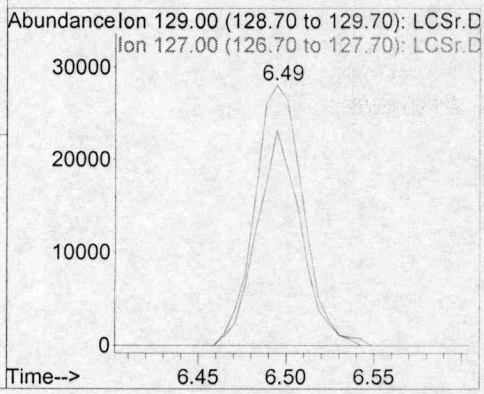


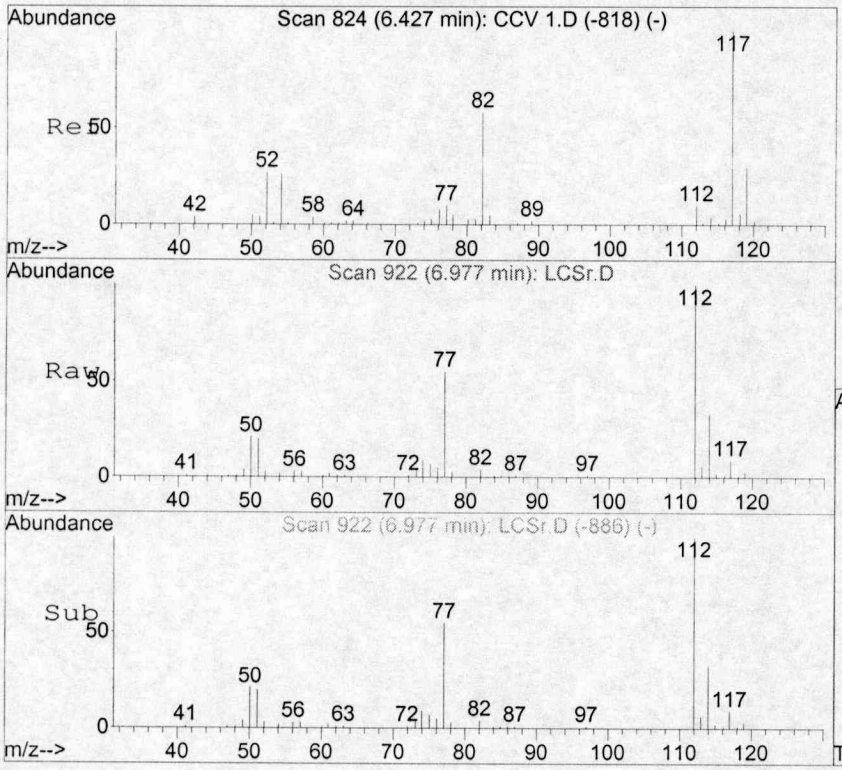


#46
Dibromochloromethane
Concen: 114.04 ng
RT: 6.49 min Scan# 841
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:129 Resp: 53899

Ion	Ratio	Lower	Upper
129	100		
127	82.6	45.2	105.2

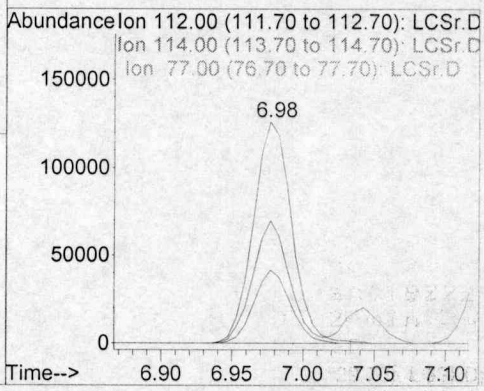


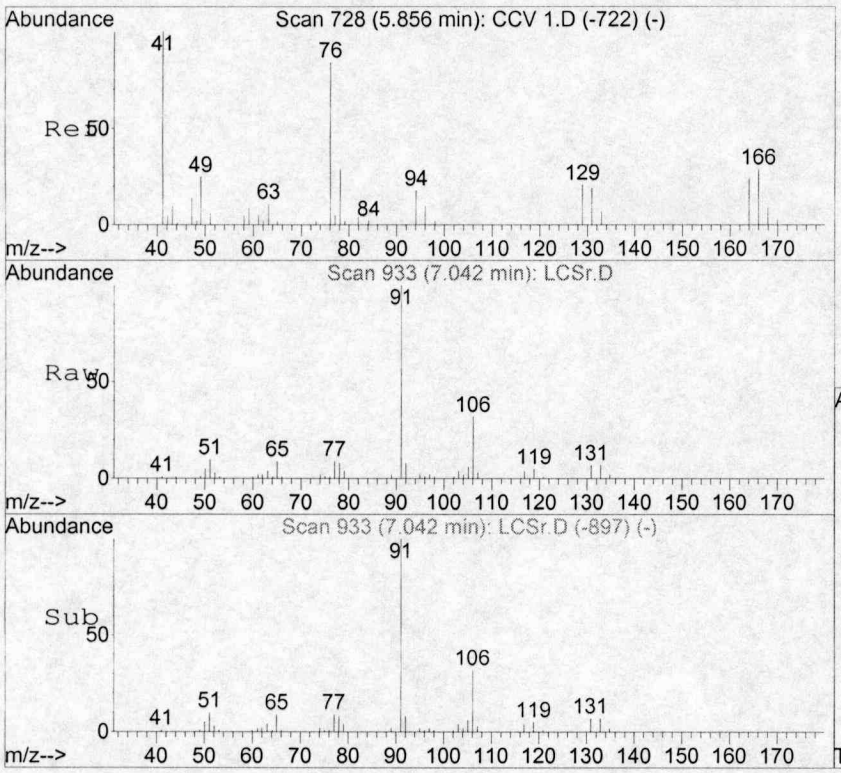


#47
Chlorobenzene
Concen: 109.28 ng
RT: 6.98 min Scan# 922
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:112 Resp: 236378

Ion	Ratio	Lower	Upper
112	100		
114	33.1	2.1	62.1
77	55.3	19.9	79.9

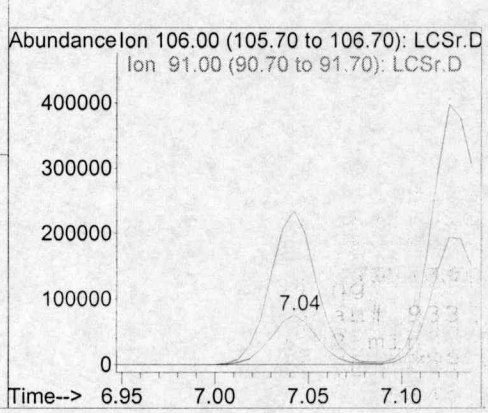


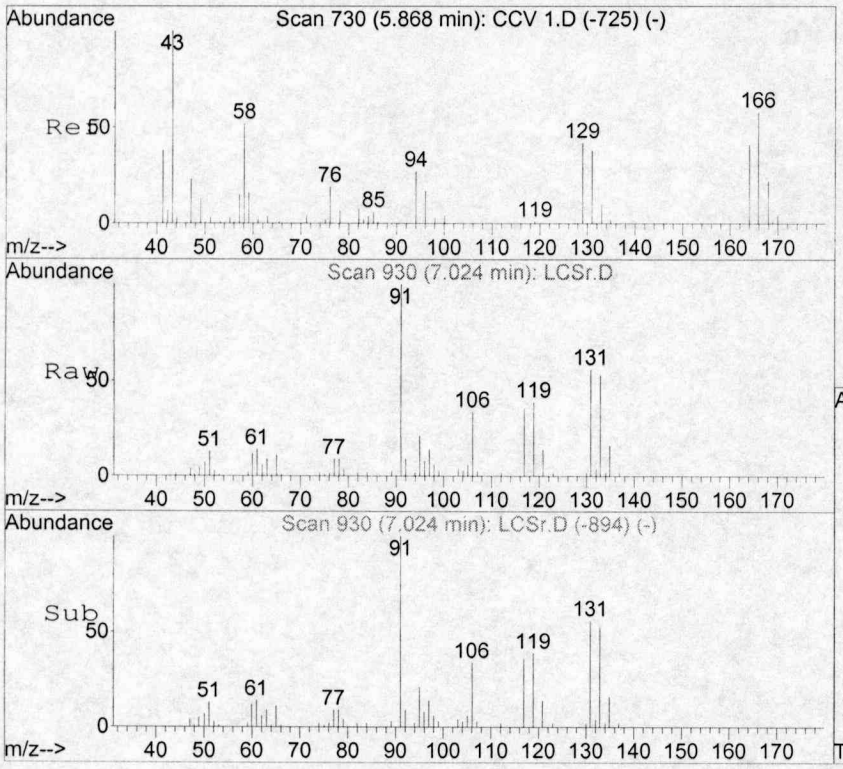


#48
Ethylbenzene*
Concen: 113.84 ng
RT: 7.04 min Scan# 933
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:106 Resp: 129787

Ion	Ratio	Lower	Upper
106	100		
91	311.5	288.8	348.8

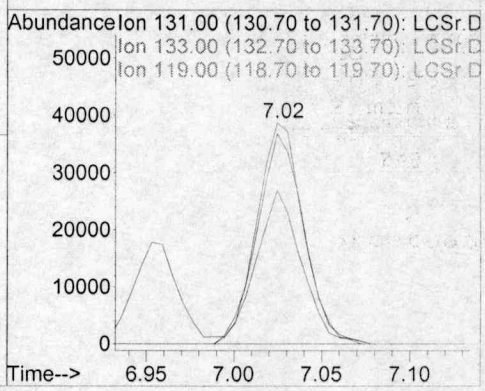


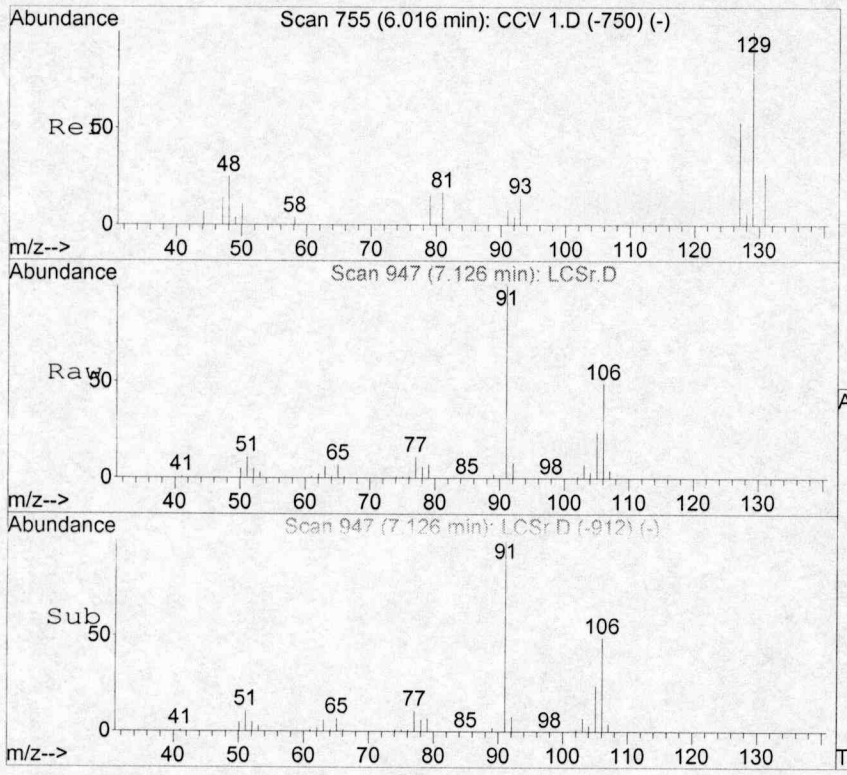


#49
1,1,1,2-Tetrachloroethane
Concen: 101.89 ng
RT: 7.02 min Scan# 930
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:131 Resp: 71385

Ion	Ratio	Lower	Upper
131	100		
133	95.1	59.8	119.8
119	69.7	31.3	91.3

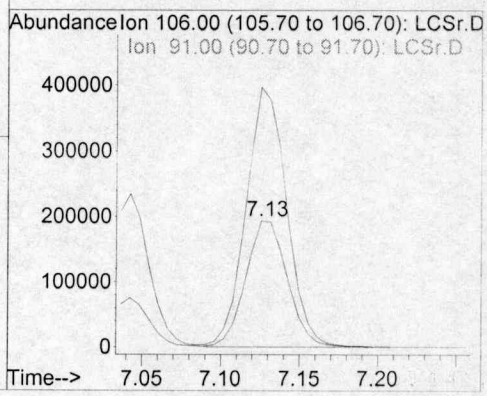


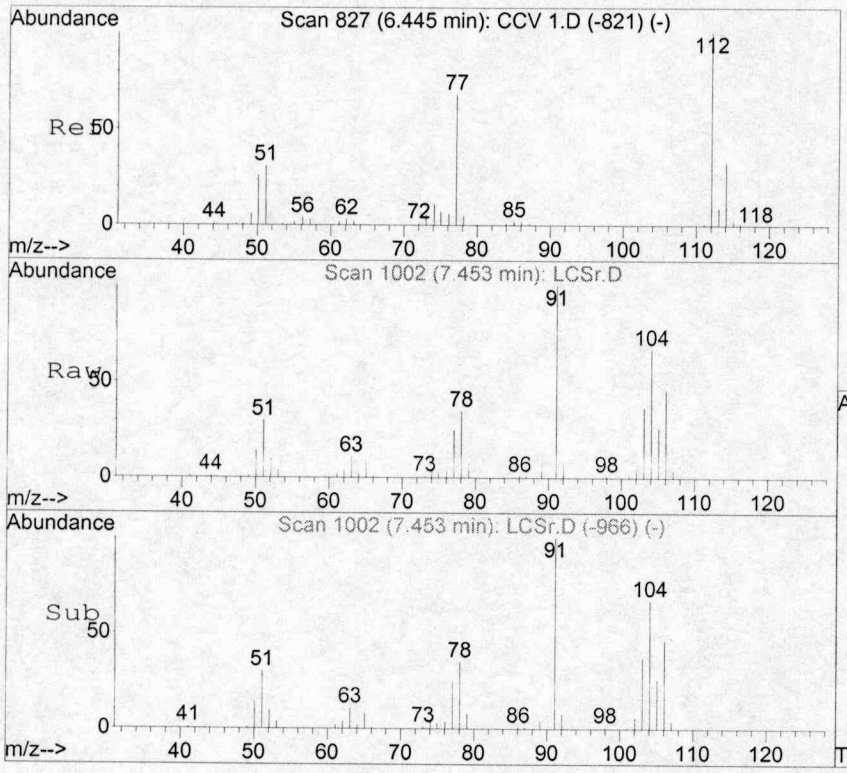


#50
m,p-Xylene*
Concen: 233.57 ng
RT: 7.13 min Scan# 947
Delta R.T. 0.01 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:106 Resp: 354491

Ion	Ratio	Lower	Upper
106	100		
91	205.0	163.0	223.0

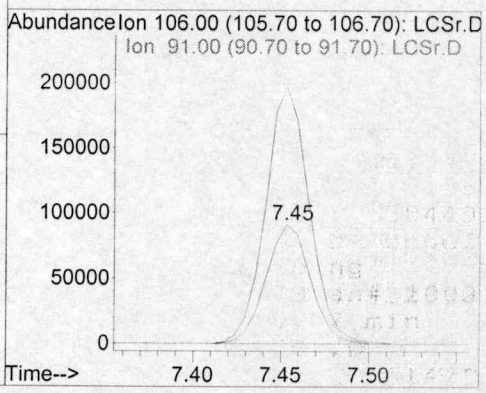


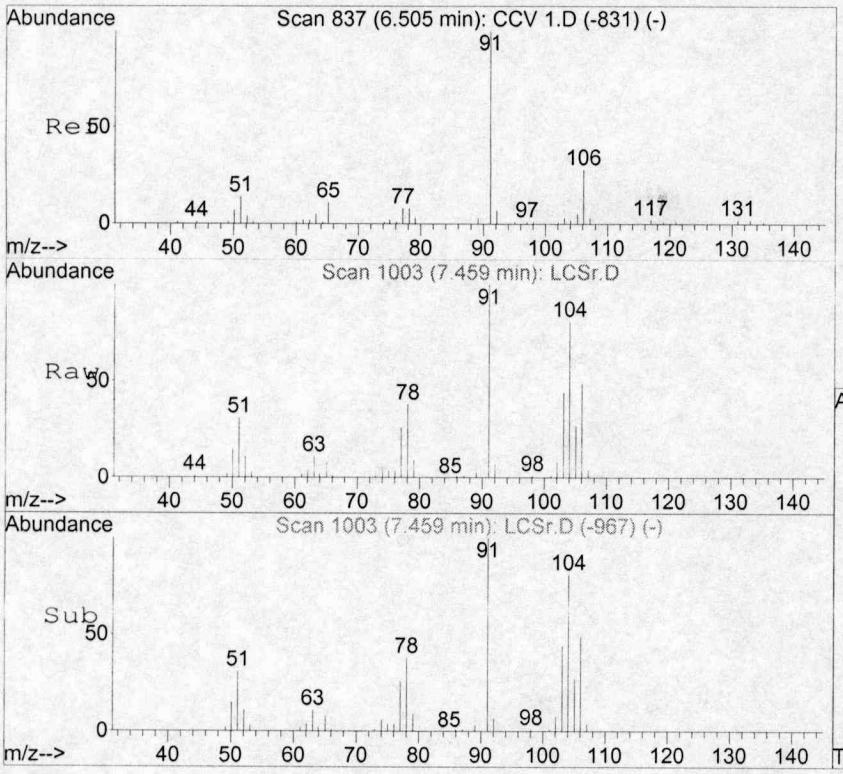


#51
o-Xylene*
Concen: 120.15 ng
RT: 7.45 min Scan# 1002
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:106 Resp: 159972

Ion	Ratio	Lower	Upper
106	100		
91	217.1	180.2	240.2

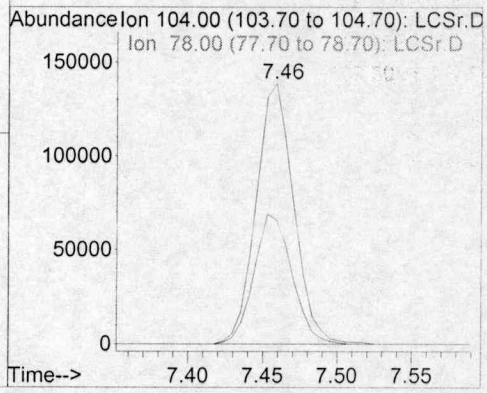


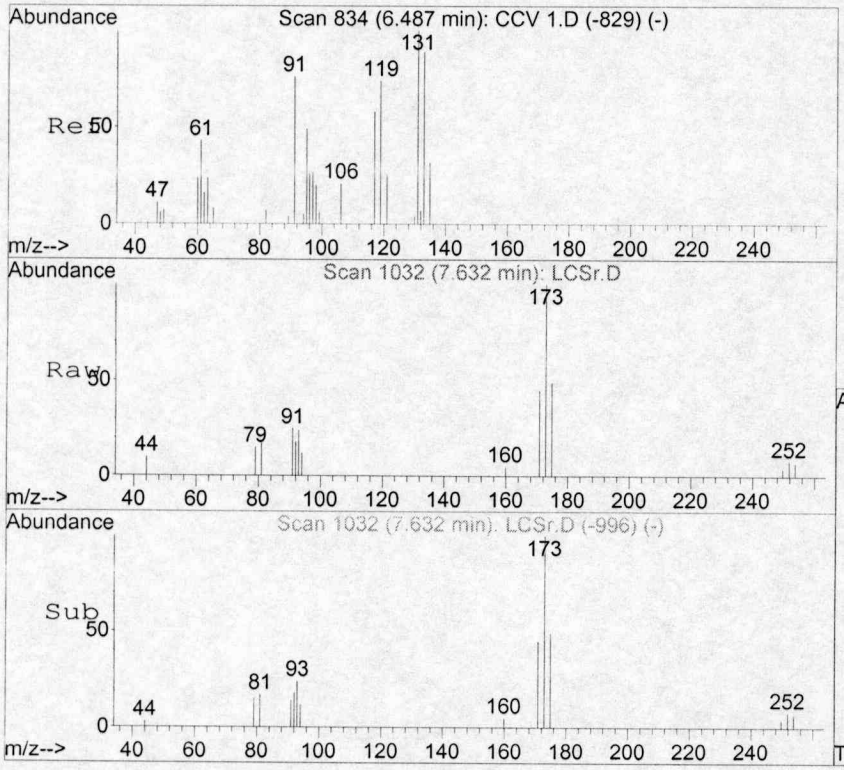


#52
Styrene
Concen: 125.48 ng
RT: 7.46 min Scan# 1003
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:104 Resp: 241368

Ion	Ratio	Lower	Upper
104	100		
78	47.5	14.5	74.5

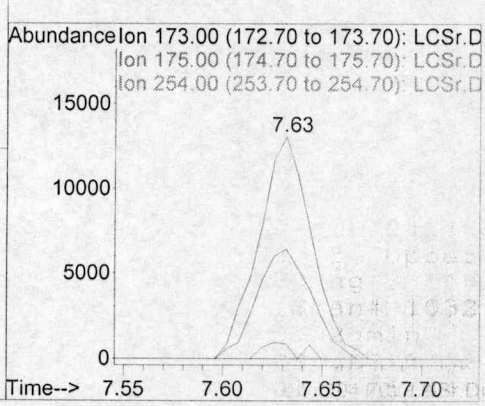


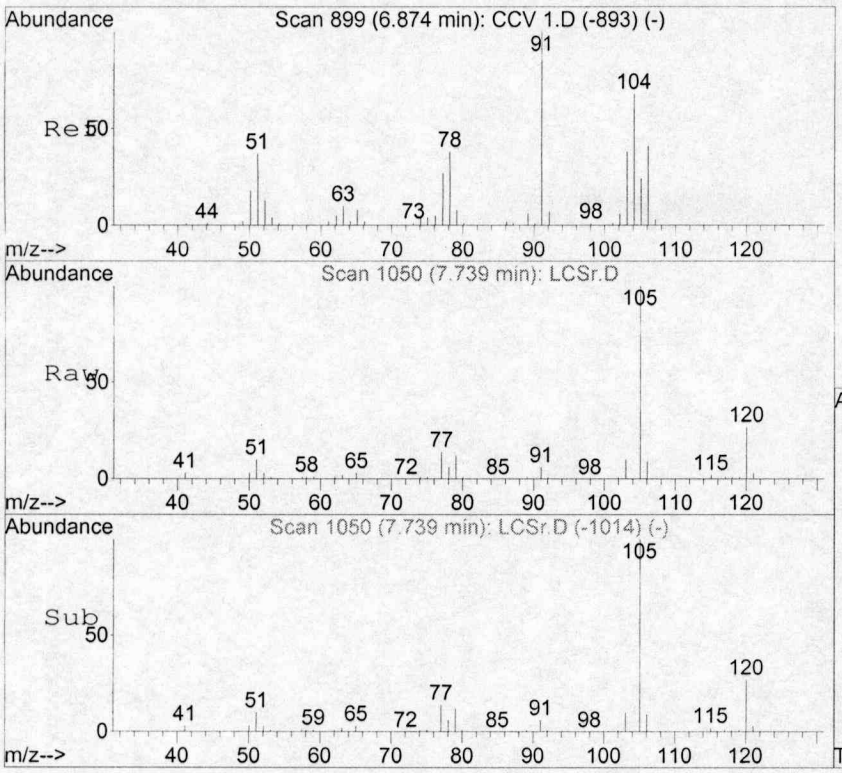


#53
Bromoform
Concen: 108.80 ng
RT: 7.63 min Scan# 1032
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:173 Resp: 24188

Ion	Ratio	Lower	Upper
173	100		
175	49.1	13.8	73.8
254	6.7	0.0	39.1

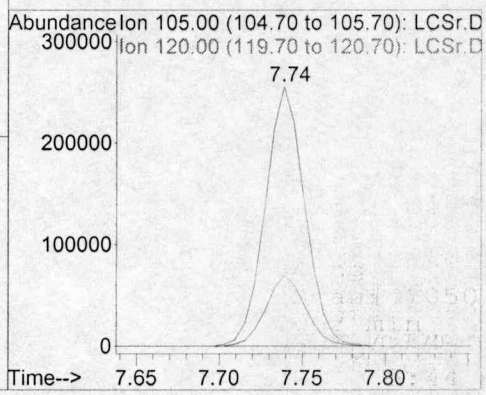


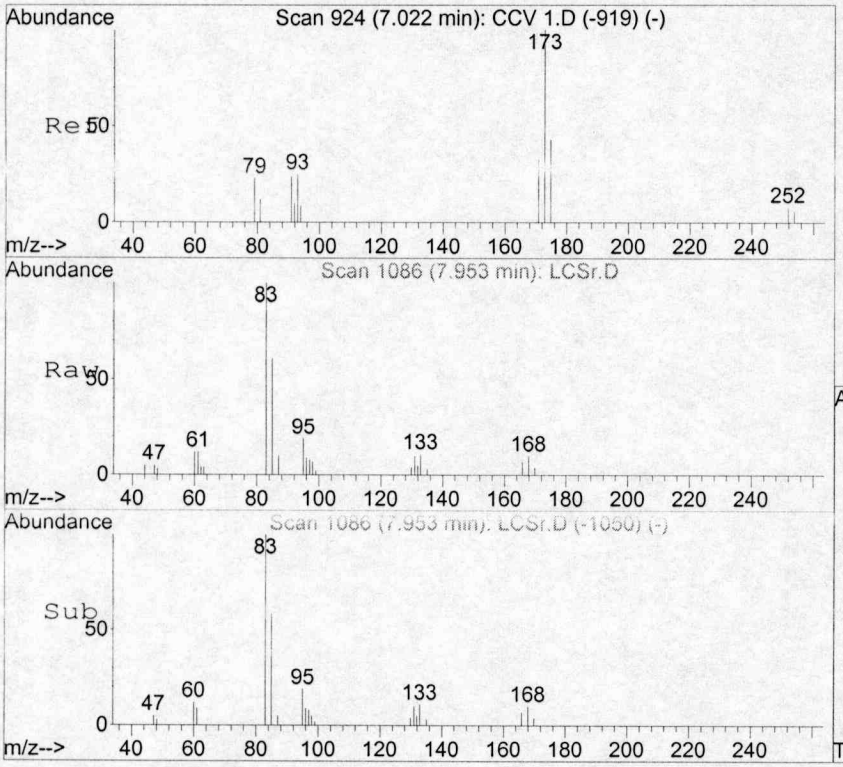


#56
Isopropylbenzene
Concen: 125.94 ng
RT: 7.74 min Scan# 1050
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:105 Resp: 421634

Ion	Ratio	Lower	Upper
105	100		
120	27.3	0.0	56.6

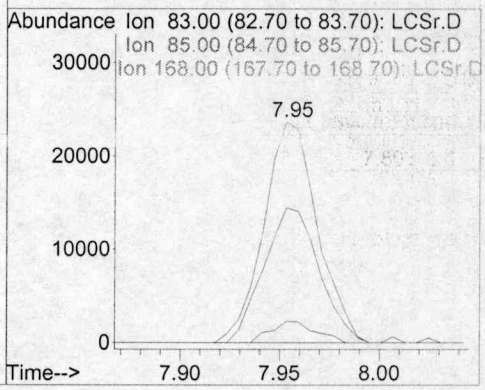


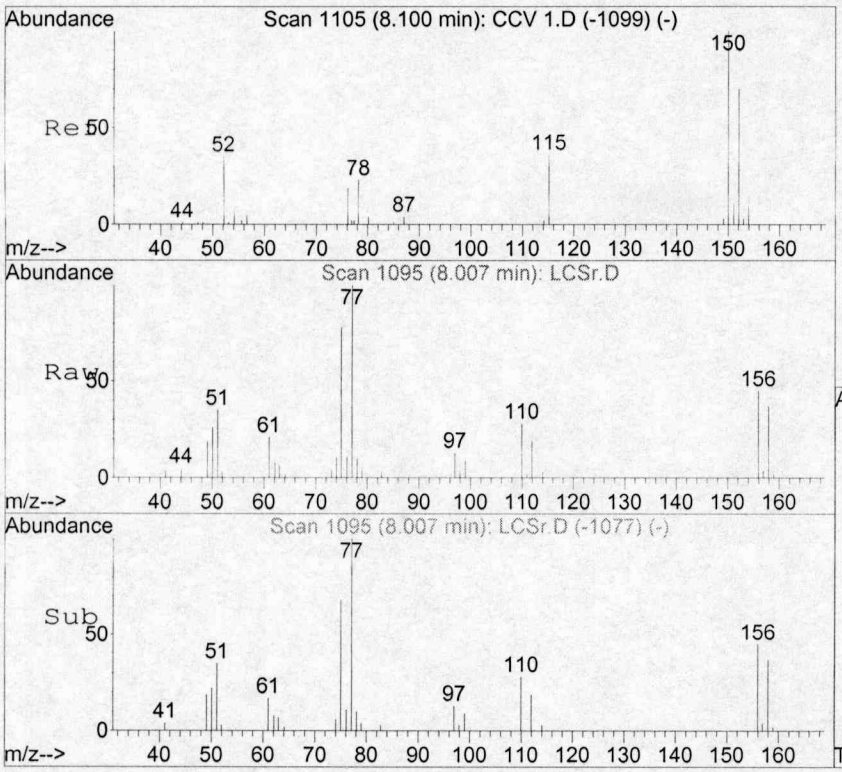


#57
1,1,2,2-Tetrachloroethane
Concen: 109.91 ng
RT: 7.95 min Scan# 1086
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 83 Resp: 44217

Ion	Ratio	Lower	Upper
83	100		
85	61.0	27.0	87.0
168	9.5	0.0	39.7

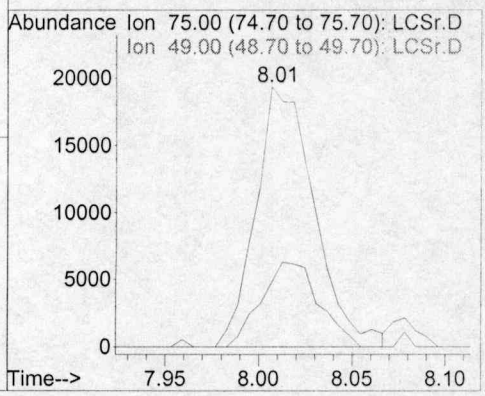


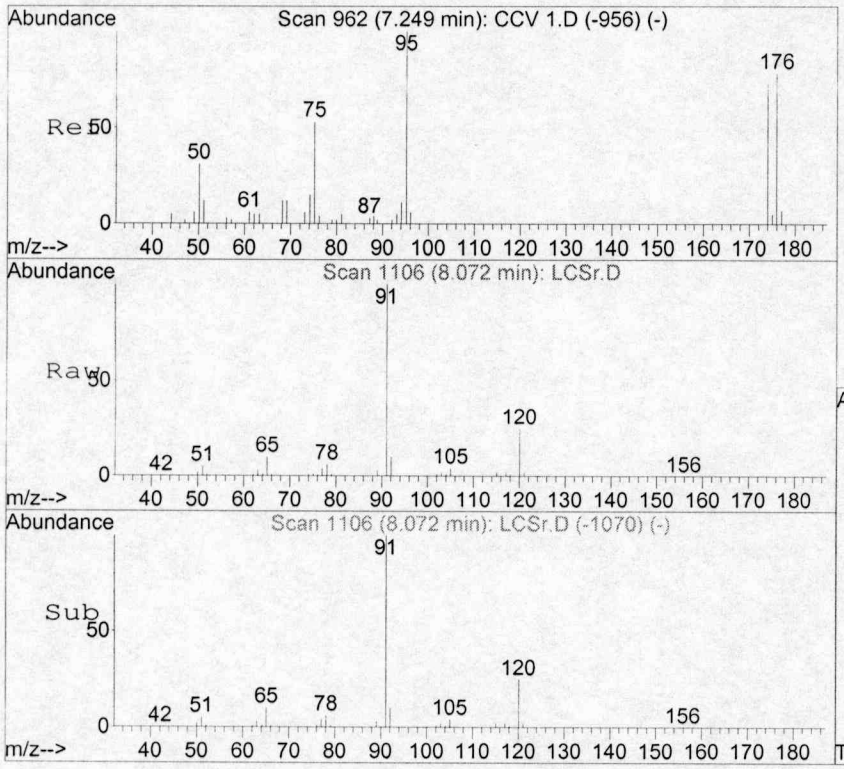


#58
1,2,3-Trichloropropane
Concen: 116.12 ng
RT: 8.01 min Scan# 1095
Delta R.T. 0.01 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 75 Resp: 42020

Ion	Ratio	Lower	Upper
75	100		
49	24.4	5.4	65.4

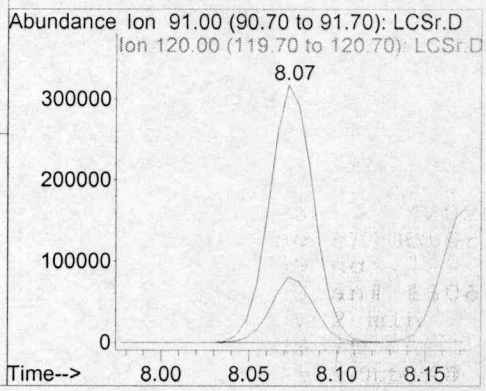


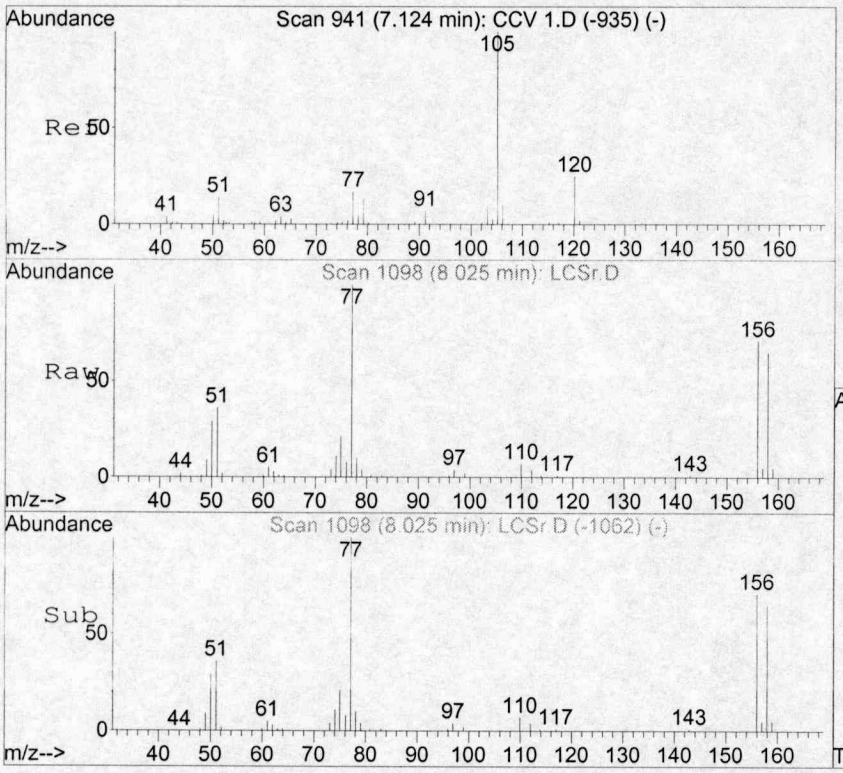


#59
n-Propylbenzene
Concen: 125.59 ng
RT: 8.07 min Scan# 1106
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 91 Resp: 557359

Ion	Ratio	Lower	Upper
91	100		
120	25.4	0.0	54.5

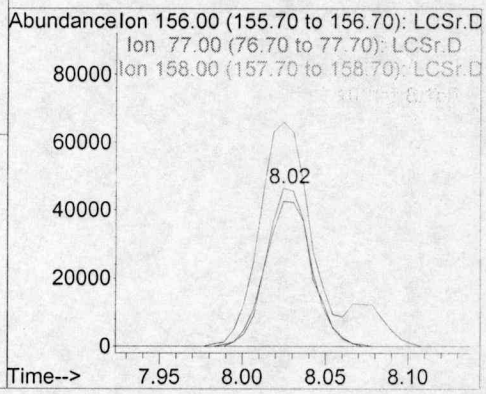


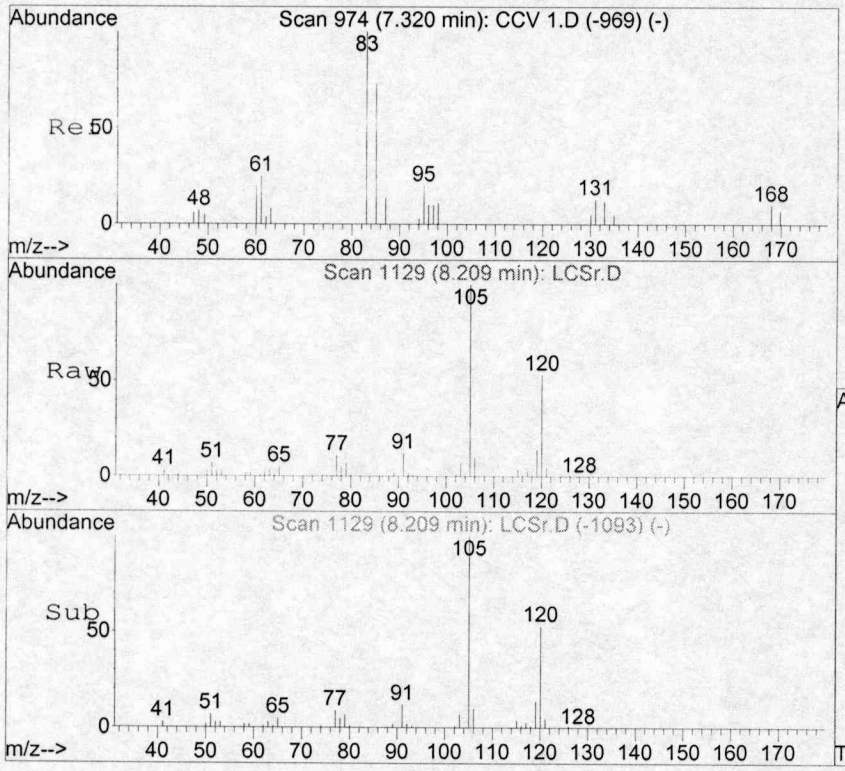


#60
Bromobenzene
Concen: 109.77 ng
RT: 8.02 min Scan# 1098
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:156 Resp: 88753

Ion	Ratio	Lower	Upper
156	100		
77	141.8	107.4	167.4
158	91.8	66.0	126.0

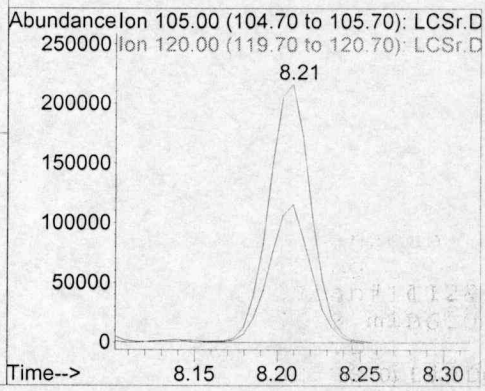


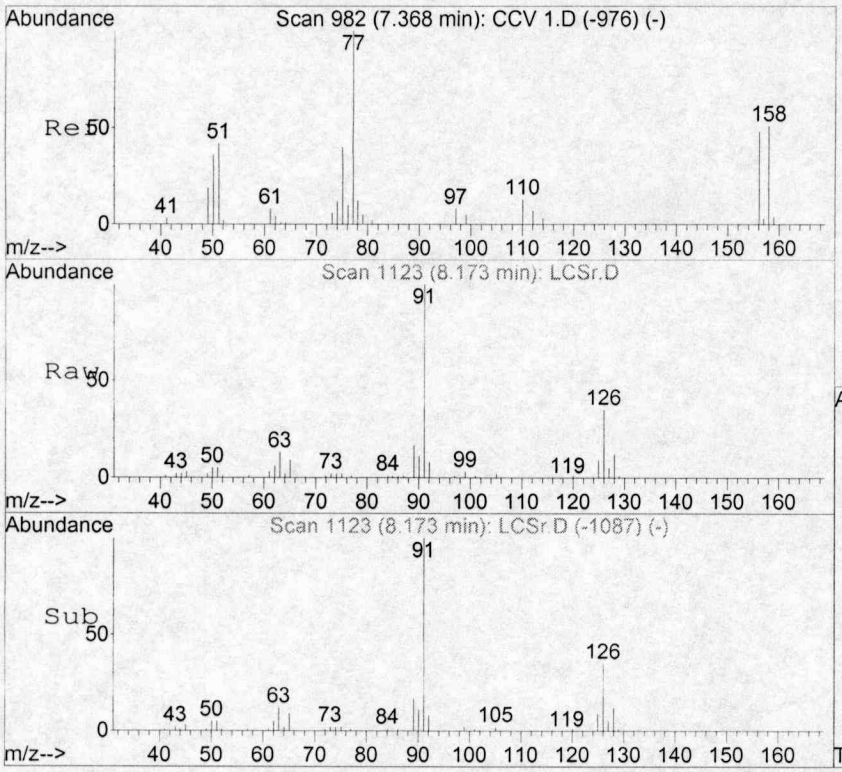


#61
1,3,5-Trimethylbenzene
Concen: 124.79 ng
RT: 8.21 min Scan# 1129
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:105 Resp: 383376

Ion	Ratio	Lower	Upper
105	100		
120	53.3	23.6	83.6

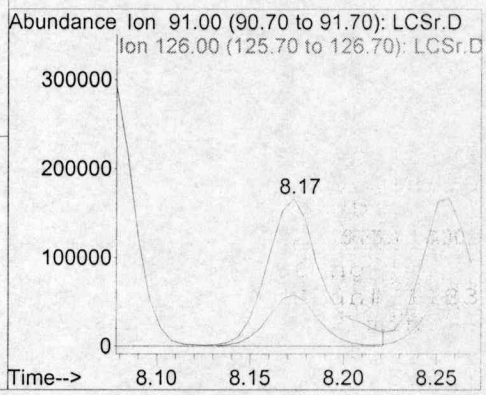


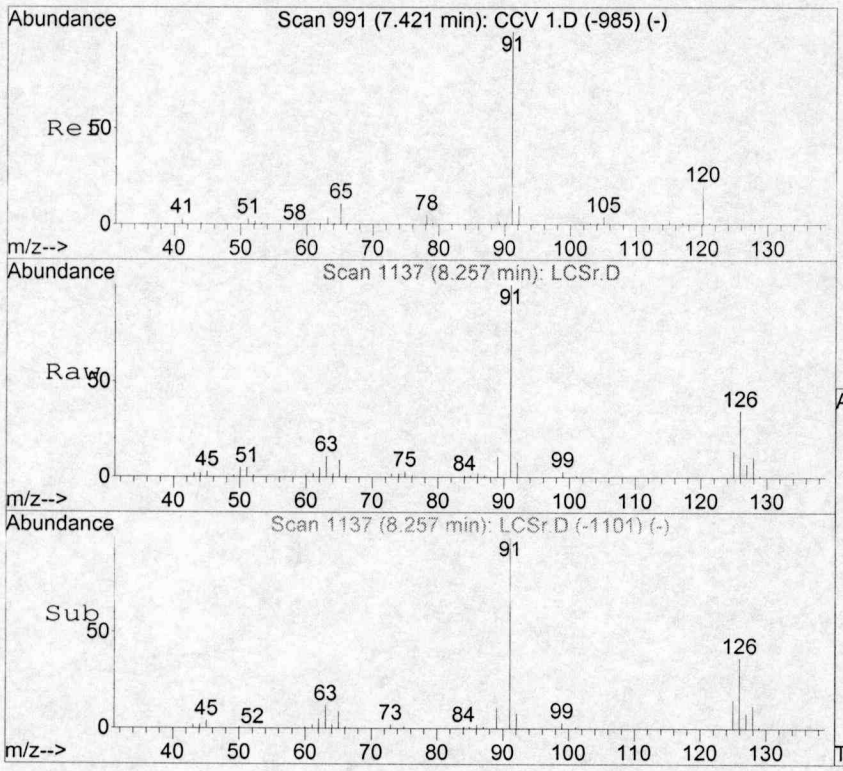


#62
2-Chlorotoluene
Concen: 121.66 ng
RT: 8.17 min Scan# 1123
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 91 Resp: 347590

Ion	Ratio	Lower	Upper
91	100		
126	34.8	7.1	67.1

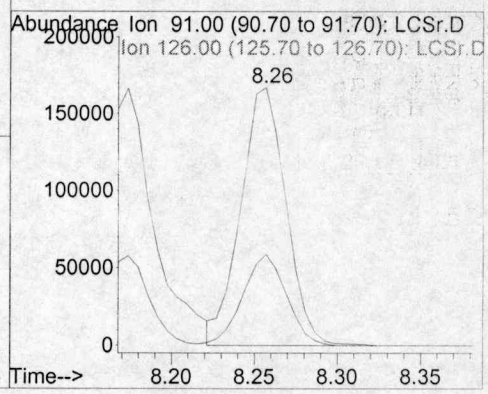


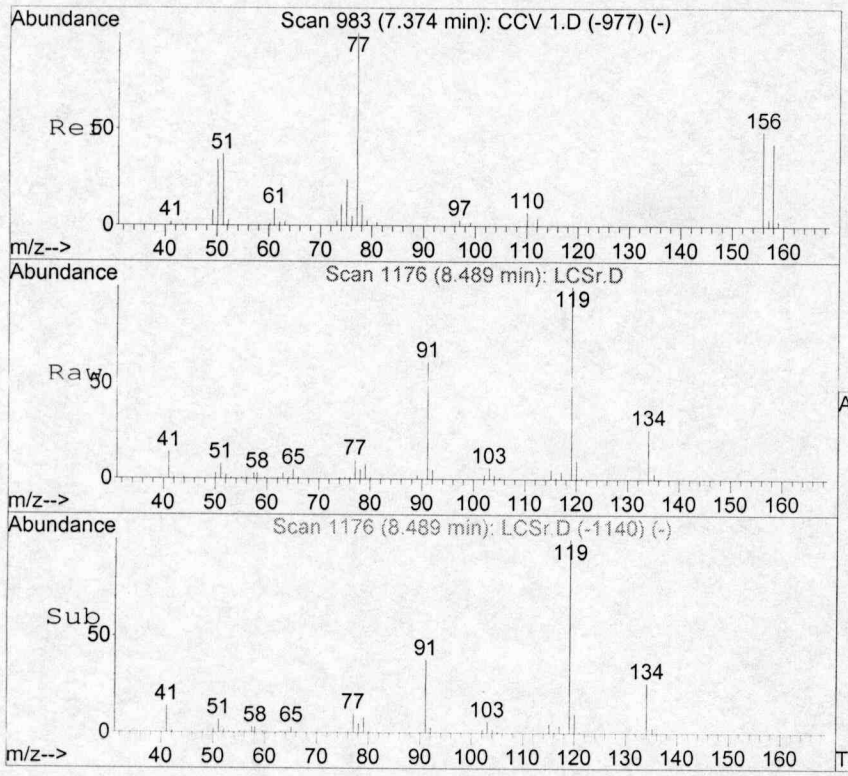


#63
4-Chlorotoluene
Concen: 123.34 ng
RT: 8.26 min Scan# 1137
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 91 Resp: 315604

Ion	Ratio	Lower	Upper
91	100		
126	35.1	3.3	63.3

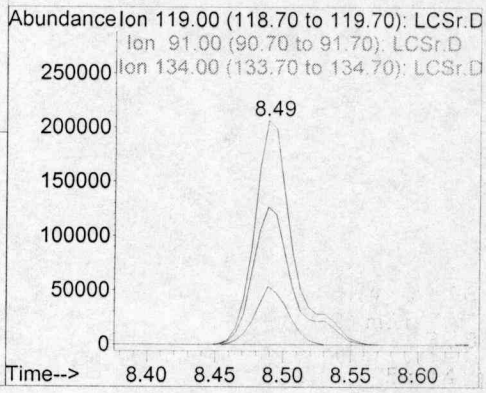


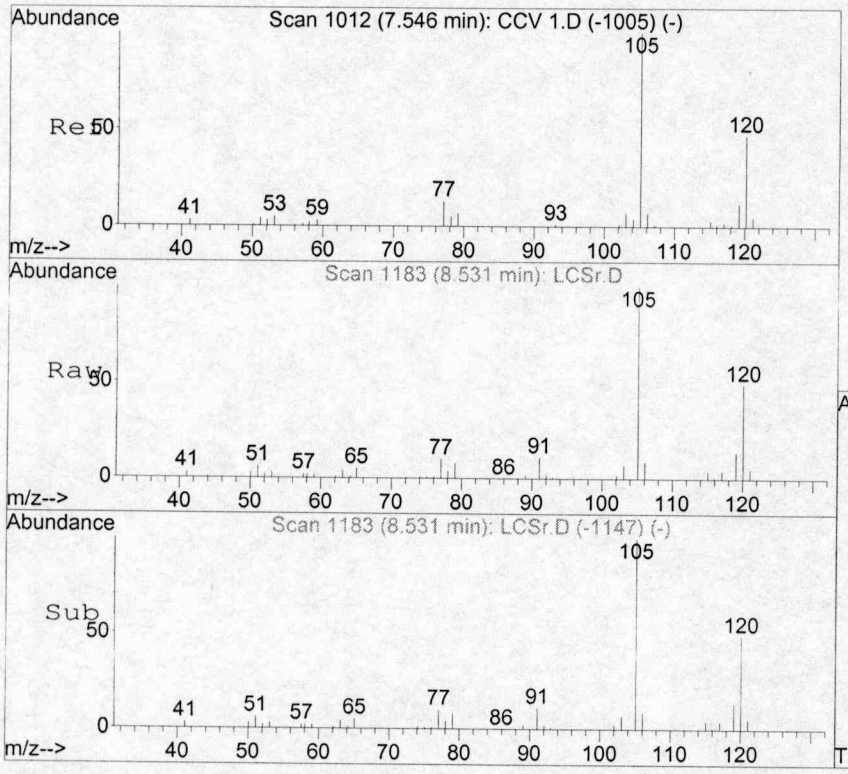


#64
tert-Butylbenzene
Concen: 123.34 ng
RT: 8.49 min Scan# 1176
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:119 Resp: 406433

Ion	Ratio	Lower	Upper
119	100		
91	61.5	28.8	88.8
134	26.0	0.0	55.4

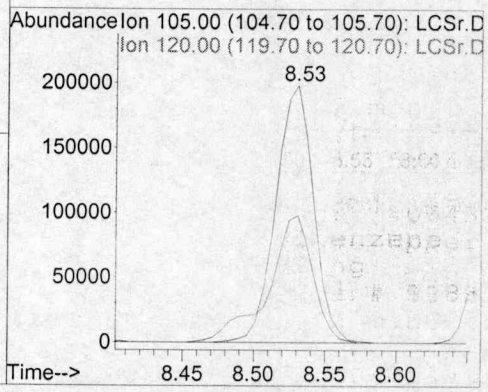


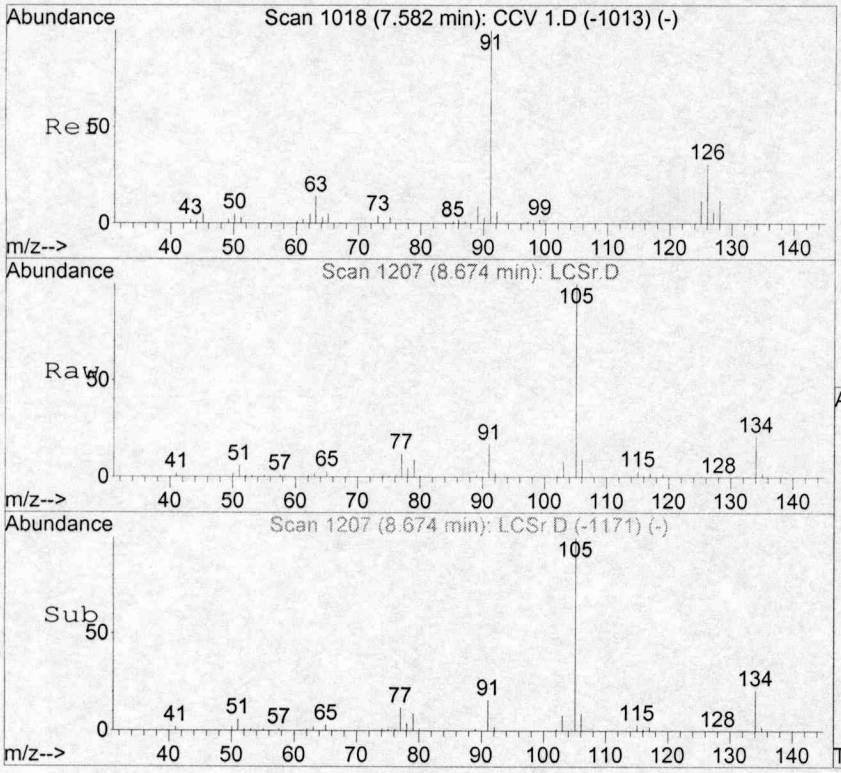


#65
1,2,4-Trimethylbenzene
Concen: 125.92 ng
RT: 8.53 min Scan# 1183
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:105 Resp: 365258

Ion	Ratio	Lower	Upper
105	100		
120	49.3	21.3	81.3

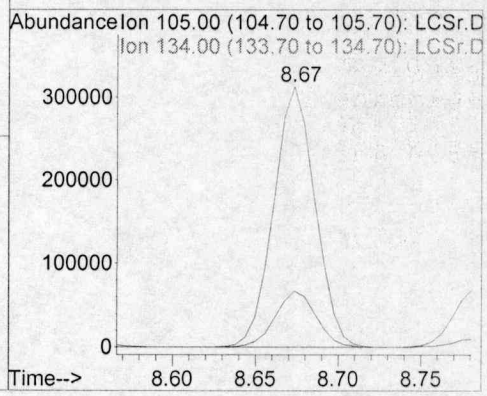


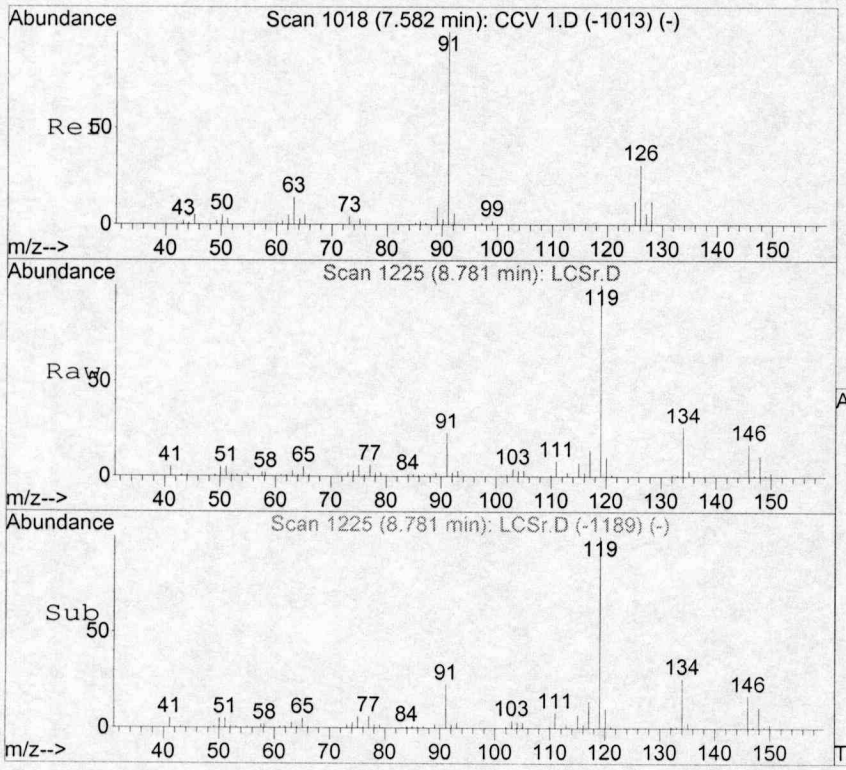


#66
sec-Butylbenzene
Concen: 127.51 ng
RT: 8.67 min Scan# 1207
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:105 Resp: 539337

Ion	Ratio	Lower	Upper
105	100		
134	21.4	0.0	51.7

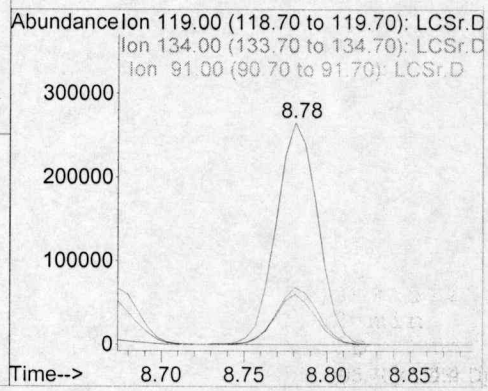


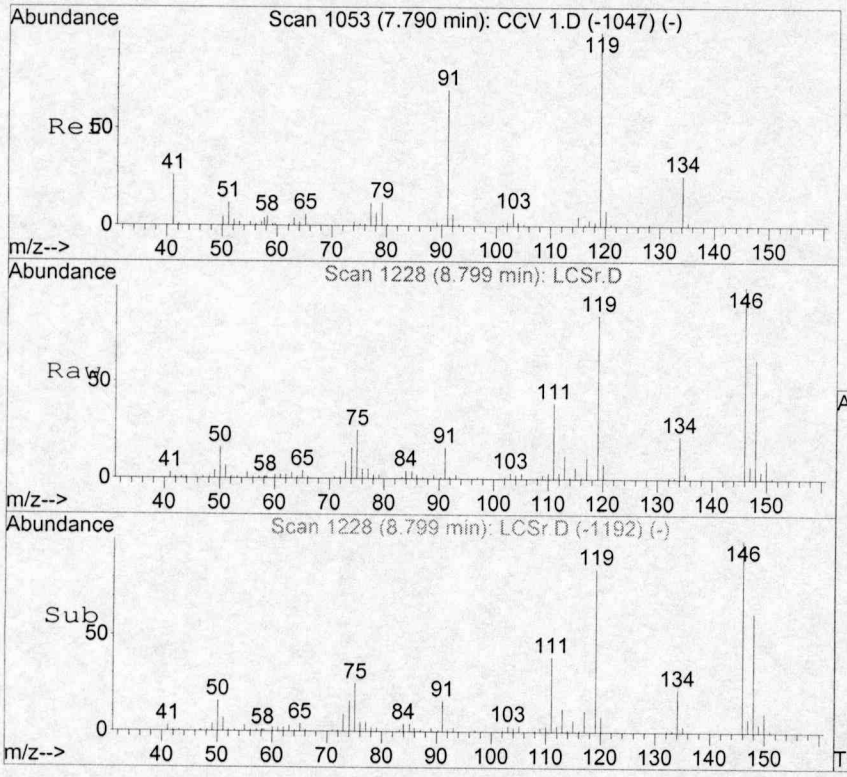


#67
p-Isopropyltoluene
Concen: 133.26 ng
RT: 8.78 min Scan# 1225
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:119 Resp: 463704

Ion	Ratio	Lower	Upper
119	100		
134	25.8	0.0	58.2
91	22.8	0.0	52.0

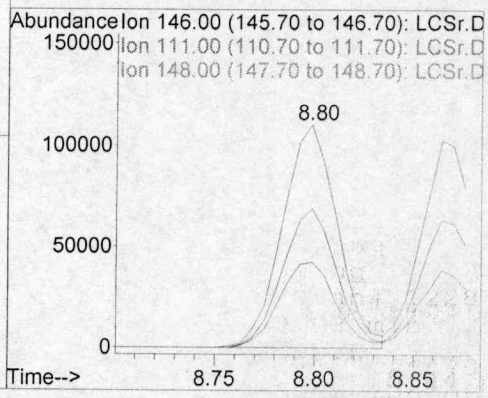


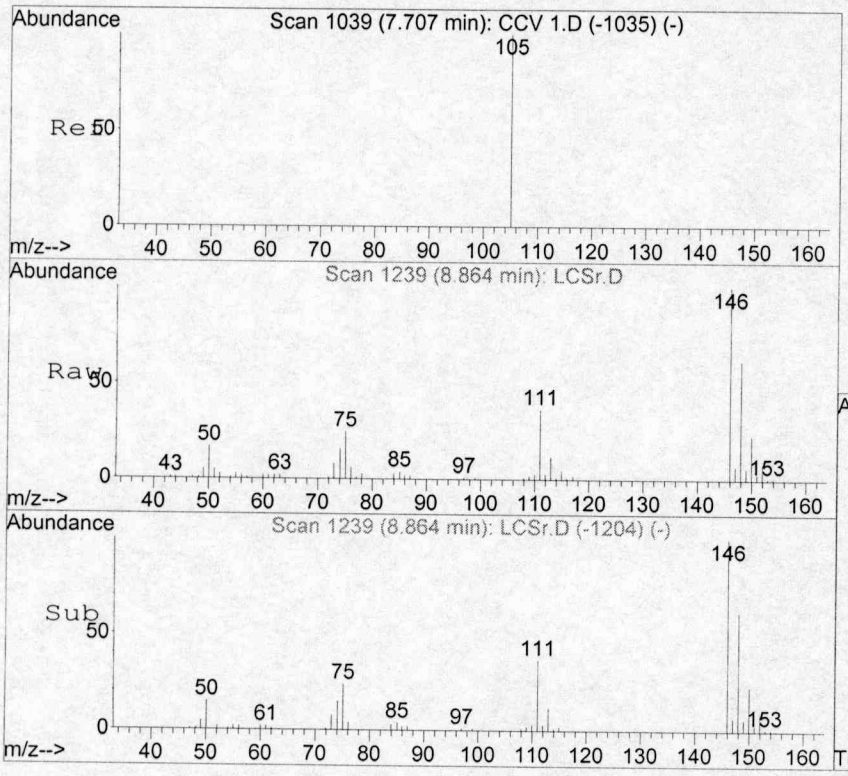


#68
1,3-Dichlorobenzene
Concen: 112.31 ng
RT: 8.80 min Scan# 1228
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:146 Resp: 211140

Ion	Ratio	Lower	Upper
146	100		
111	38.5	9.5	69.5
148	62.5	34.2	94.2

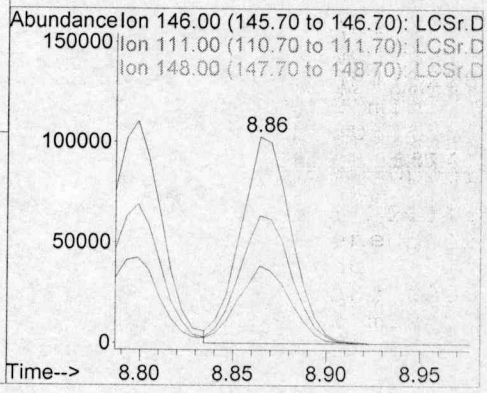


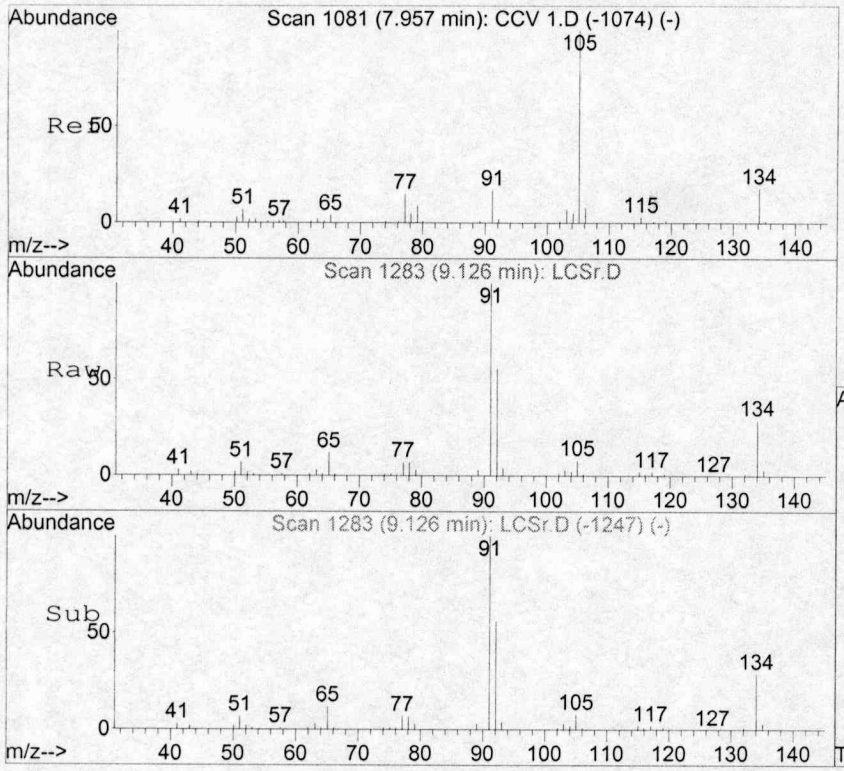


#69
1,4-Dichlorobenzene
Concen: 108.65 ng
RT: 8.86 min Scan# 1239
Delta R.T. 0.01 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:146 Resp: 193773

Ion	Ratio	Lower	Upper
146	100		
111	37.4	3.3	63.3
148	61.6	35.5	95.5

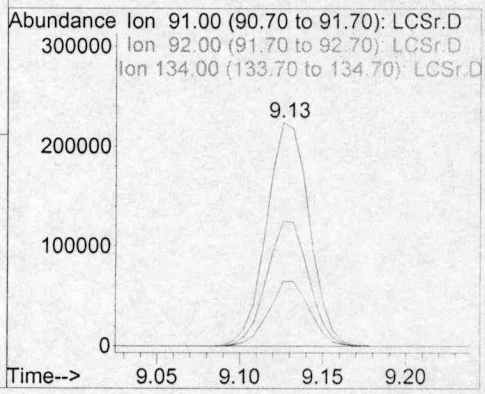


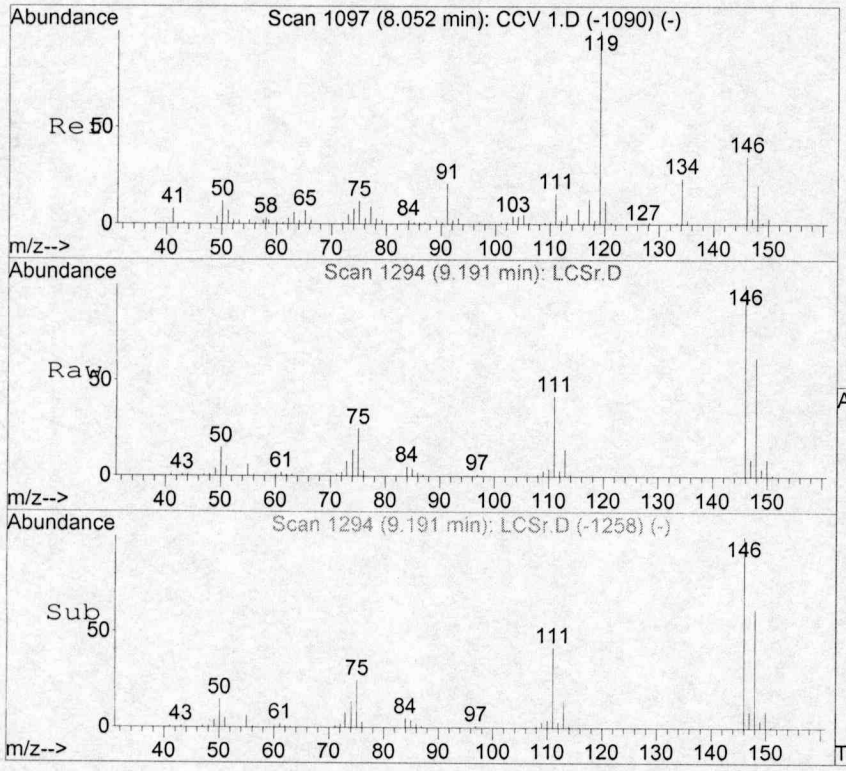


#70
n-Butylbenzene
Concen: 129.77 ng
RT: 9.13 min Scan# 1283
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 91 Resp: 402500

Ion	Ratio	Lower	Upper
91	100		
92	55.8	25.5	85.5
134	29.0	0.0	59.4

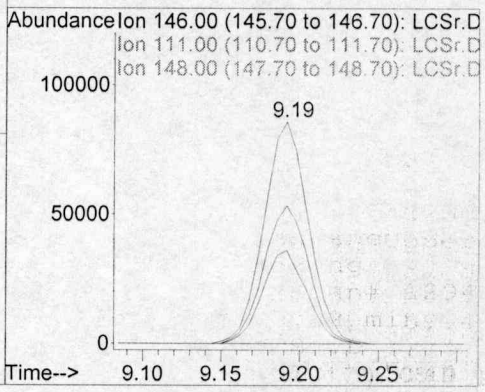


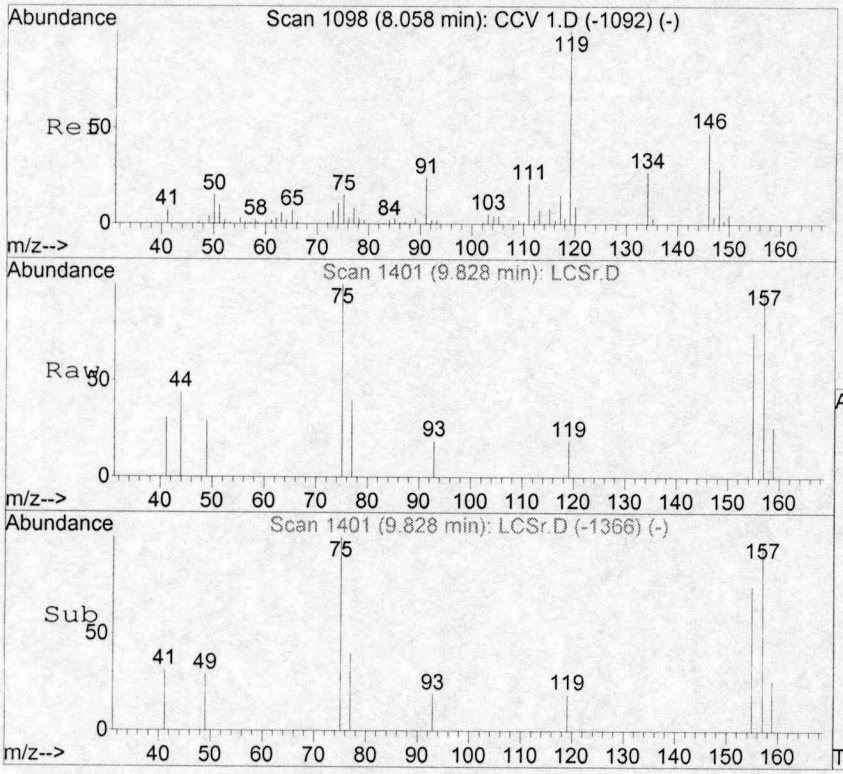


#71
1,2-Dichlorobenzene
Concen: 111.32 ng
RT: 9.19 min Scan# 1294
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:146 Resp: 169363

Ion	Ratio	Lower	Upper
146	100		
111	41.9	7.6	67.6
148	62.0	31.9	91.9

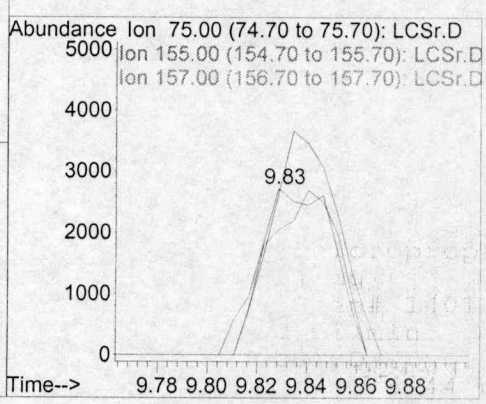


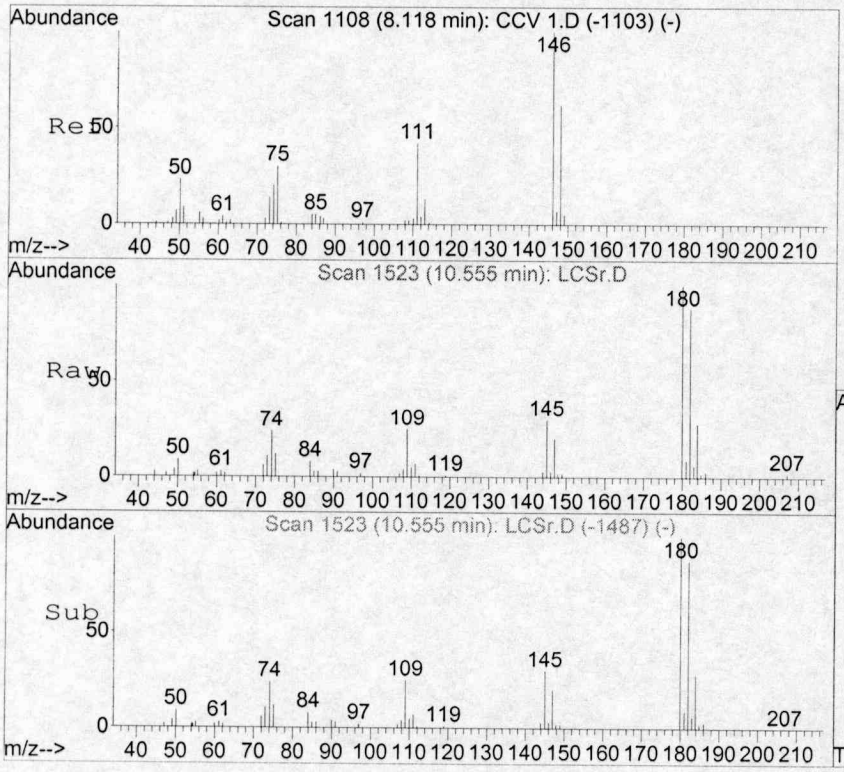


#72
1,2-Dibromo-3-chloropropane
Concen: 120.14 ng
RT: 9.83 min Scan# 1401
Delta R.T. 0.01 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 75 Resp: 5719

Ion	Ratio	Lower	Upper
75	100		
155	75.3	49.1	109.1
157	96.5	61.3	121.3

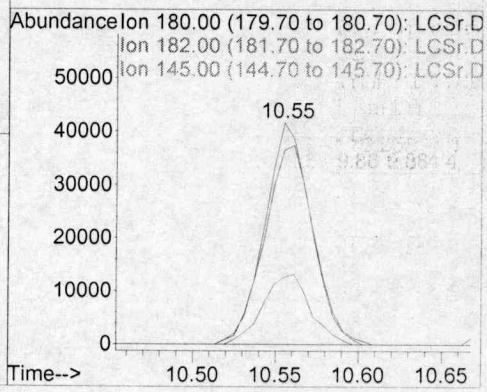


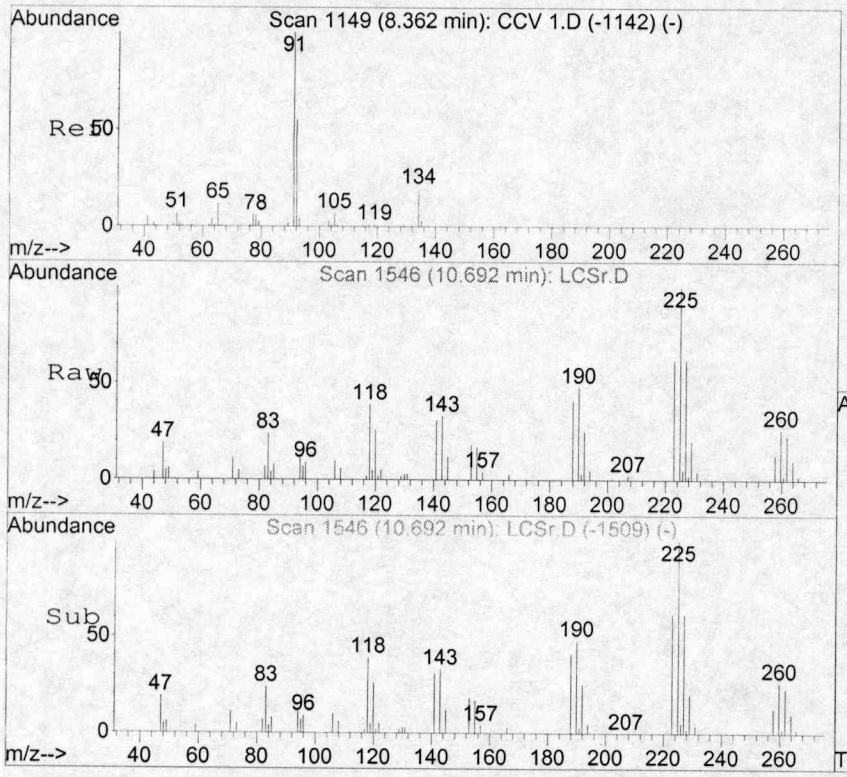


#73
1,2,4-Trichlorobenzene
Concen: 109.49 ng
RT: 10.55 min Scan# 1523
Delta R.T. 0.01 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:180 Resp: 81968

Ion	Ratio	Lower	Upper
180	100		
182	87.7	68.1	128.1
145	30.1	4.5	64.5

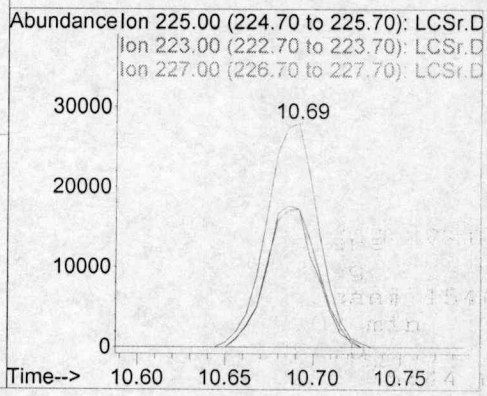


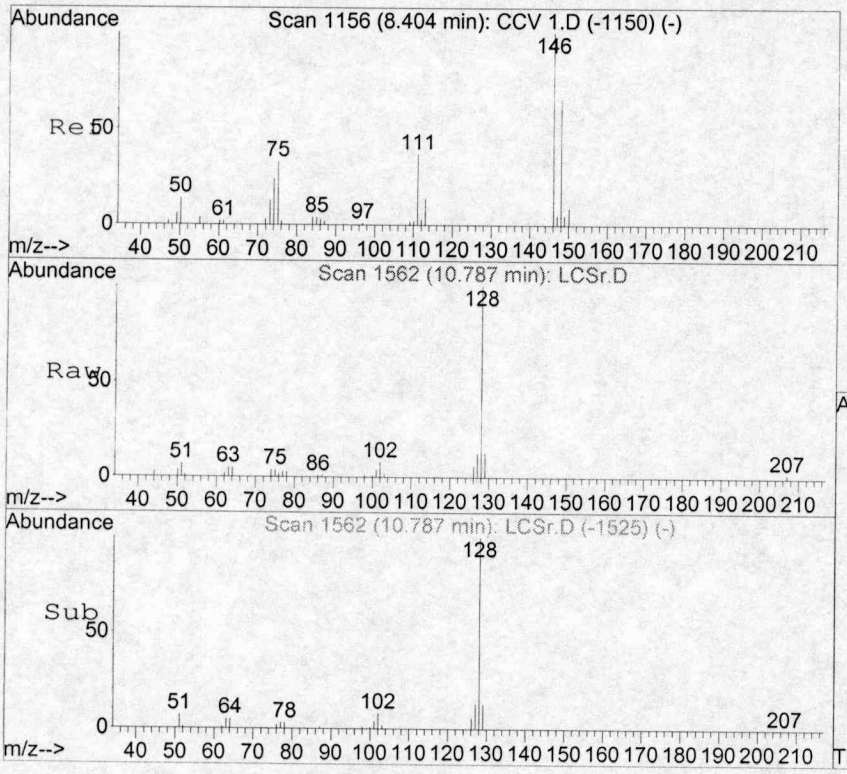


#74
Hexachlorobutadiene
Concen: 98.19 ng
RT: 10.69 min Scan# 1546
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:225 Resp: 57018

Ion	Ratio	Lower	Upper
225	100		
223	61.7	37.7	97.7
227	61.7	40.9	100.9

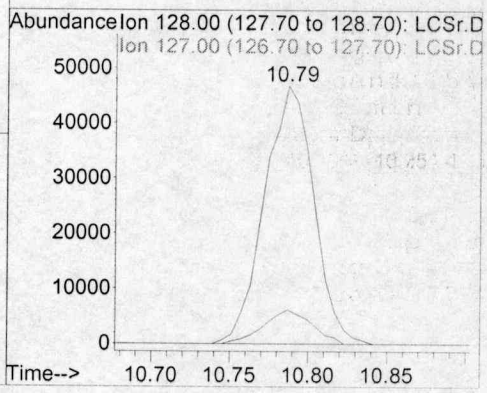


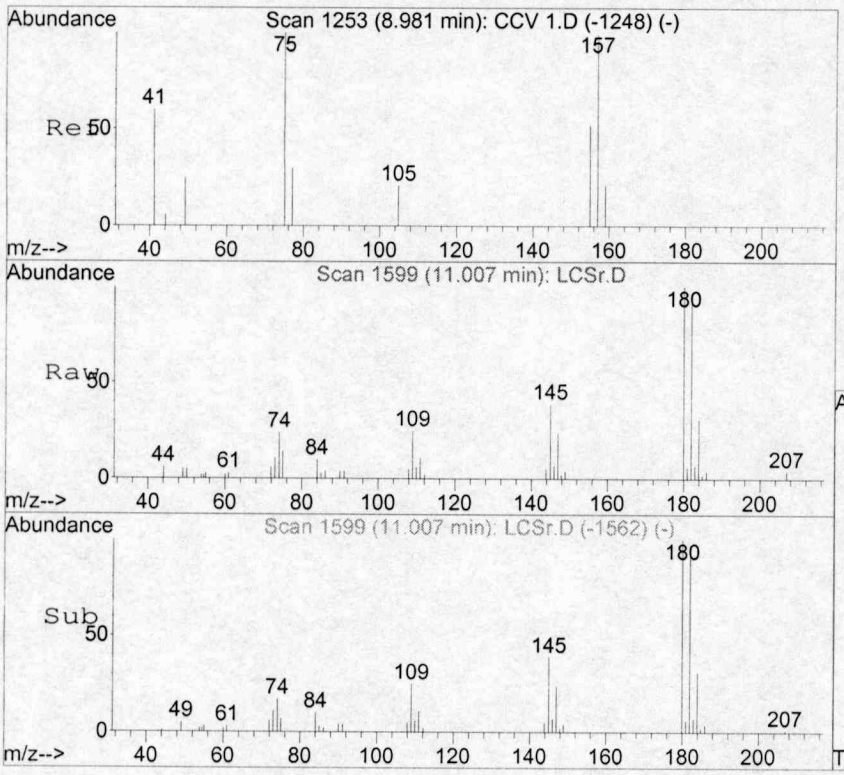


#75
Naphthalene
Concen: 138.08 ng
RT: 10.79 min Scan# 1562
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:128 Resp: 101764

Ion	Ratio	Lower	Upper
128	100		
127	13.1	0.0	31.5

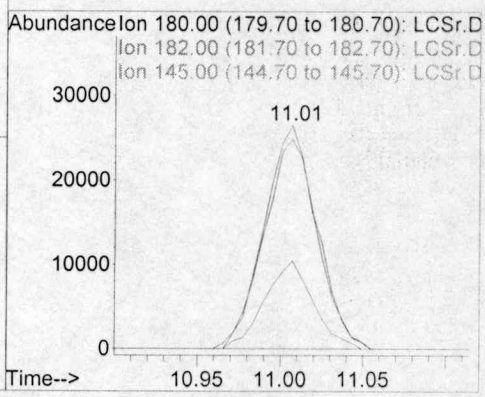


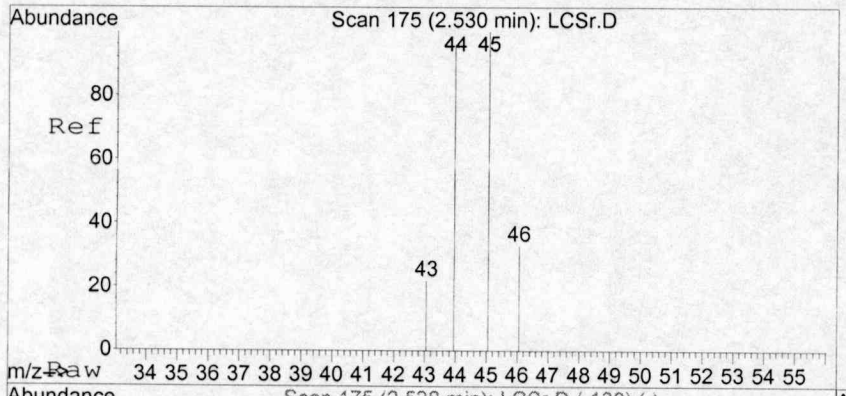


#76
1,2,3-Trichlorobenzene
Concen: 106.58 ng
RT: 11.01 min Scan# 1599
Delta R.T. 0.02 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion:180 Resp: 58205

Ion	Ratio	Lower	Upper
180	100		
182	93.8	71.2	111.2
145	39.5	7.1	47.1

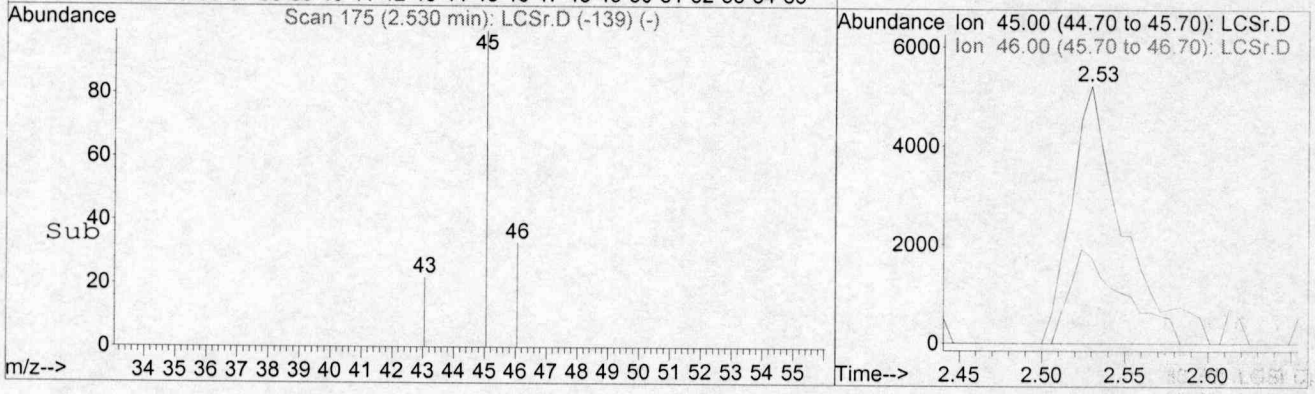


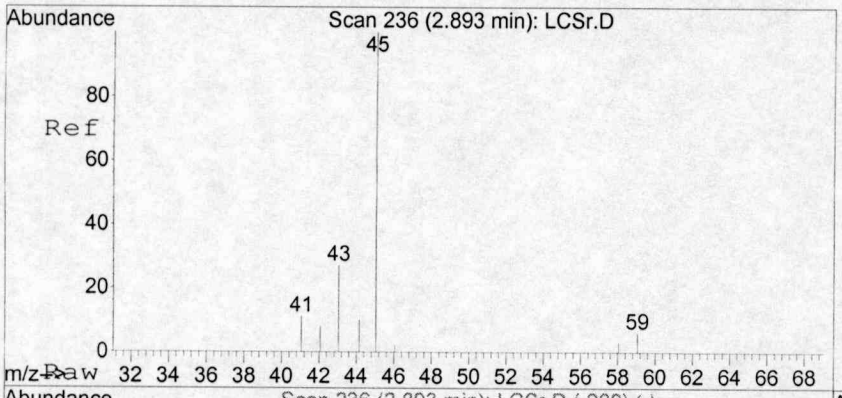


#78
Ethanol
Concen: 3609.80 ng
RT: 2.53 min Scan# 175
Delta R.T. 0.01 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 45 Resp: 11530

Ion	Ratio	Lower	Upper
45	100		
46	0.0	0.0	0.0

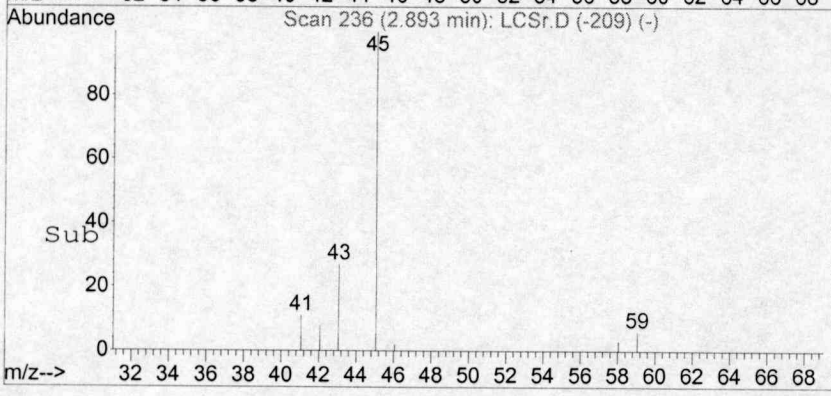


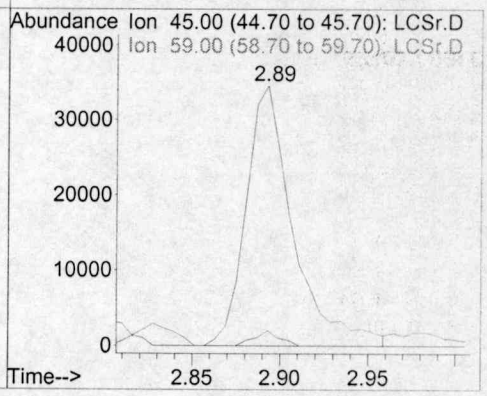


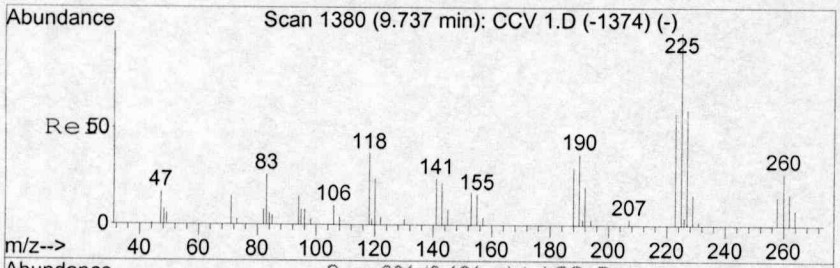
#79
Isopropyl Alcohol (IPA)
Concen: 3429.87 ng
RT: 2.89 min Scan# 236
Delta R.T. 0.01 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 45 Resp: 64234

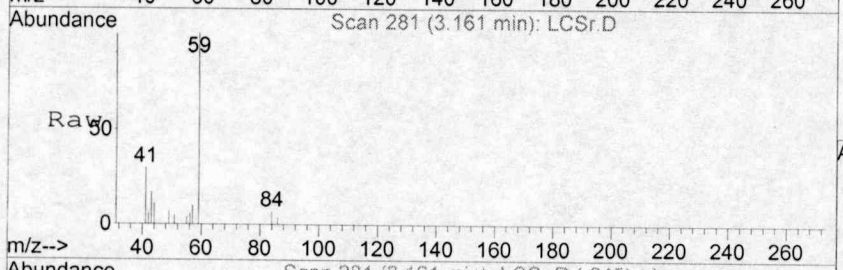
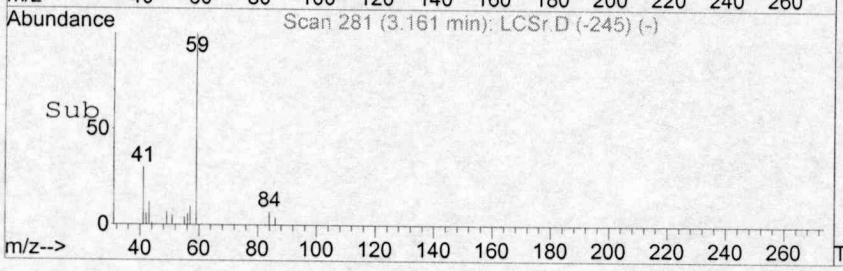
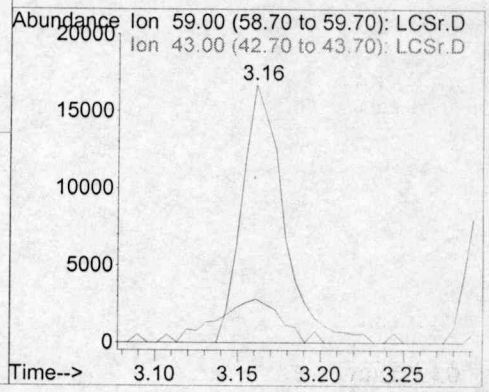
Ion	Ratio	Lower	Upper
45	100		
59	3.1	0.0	0.0#







#80
t-Butanol *
Concen: 947.29 ng
RT: 3.16 min Scan# 281
Delta R.T. 0.01 min
Lab File: LCSr.D
Acq: 13 Nov 2013 5:44 pm

Tgt Ion: 59 Resp: 29552

Ion	Ratio	Lower	Upper
59	100		
43	16.9	0.0	55.3