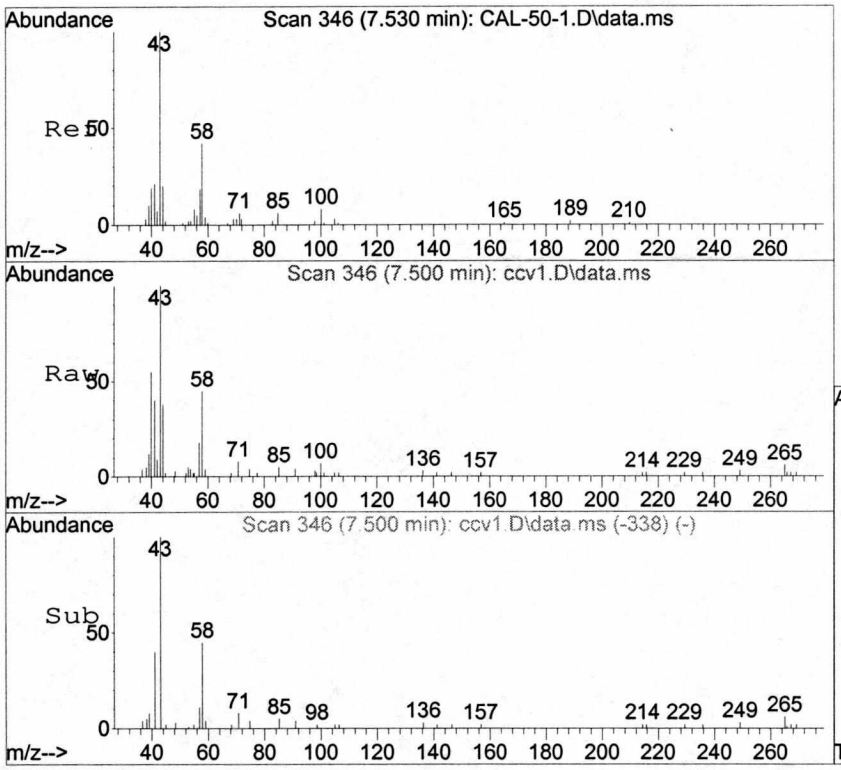
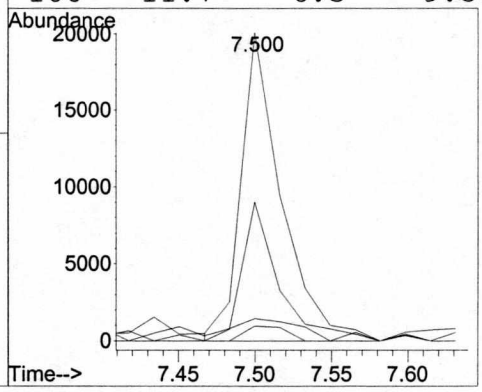
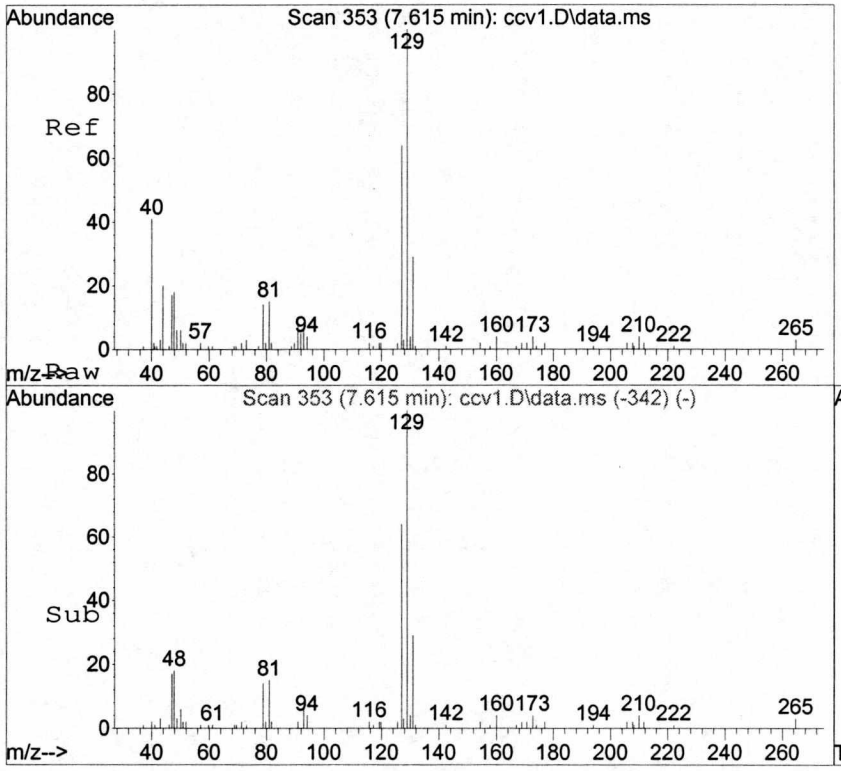


#59
2-Hexanone
Concen: 41.33 ppbv
RT: 7.500 min Scan# 346
Delta R.T. 0.000 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion: 43 Resp: 36590

Ion	Ratio	Lower	Upper
43	100		
58	41.2	42.2	63.4#
85	4.9	3.3	4.9
100	11.7	6.3	9.5#

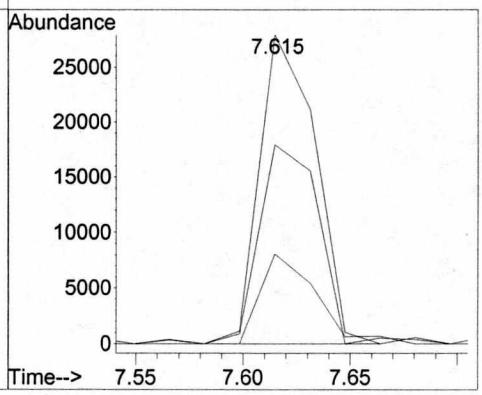


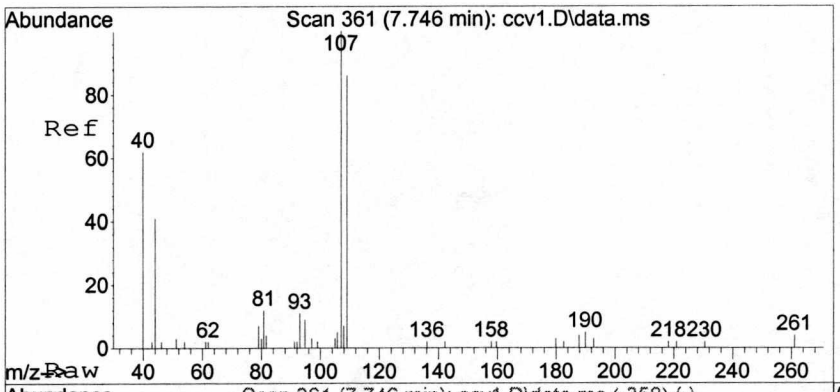


#60
Dibromochloromethane
Concen: 56.36 ppbv
RT: 7.615 min Scan# 353
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:129 Resp: 50525

Ion	Ratio	Lower	Upper
129	100		
127	67.0	70.1	105.1#
131	27.6	23.0	34.6

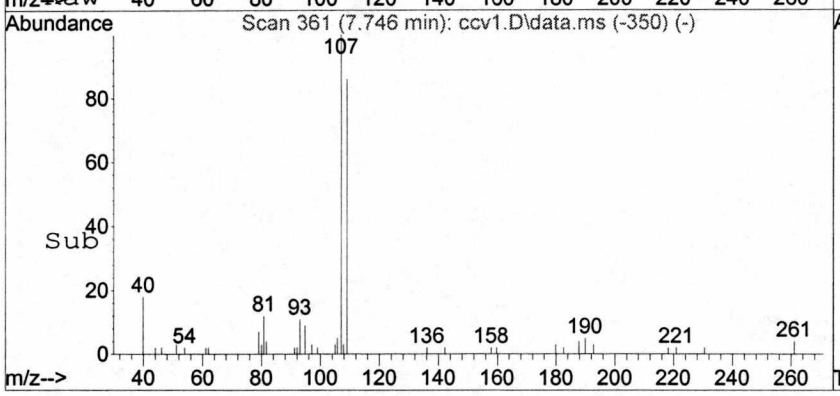


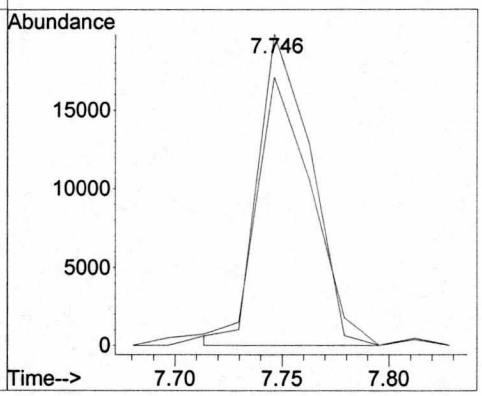


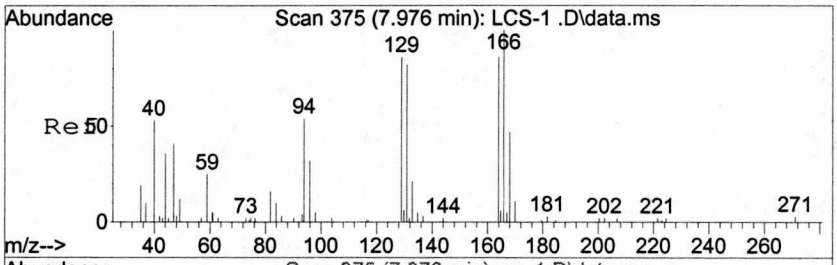
#61
1,2-Dibromoethane
Concen: 55.82 ppbv
RT: 7.746 min Scan# 361
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:107 Resp: 33894

Ion	Ratio	Lower	Upper
107	100		
109	90.1	71.6	107.4



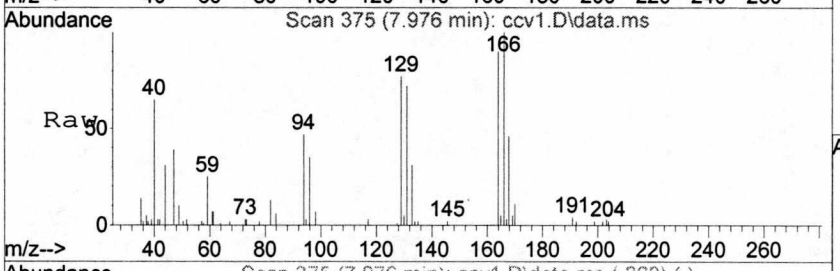


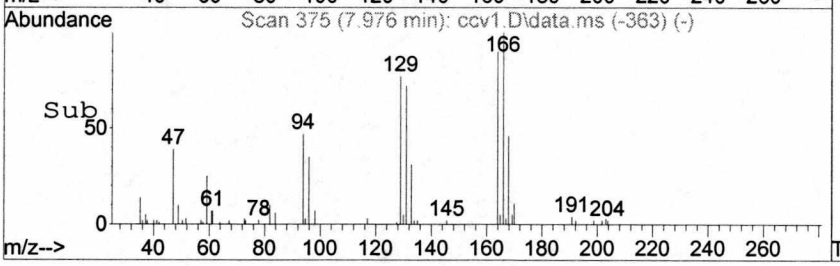


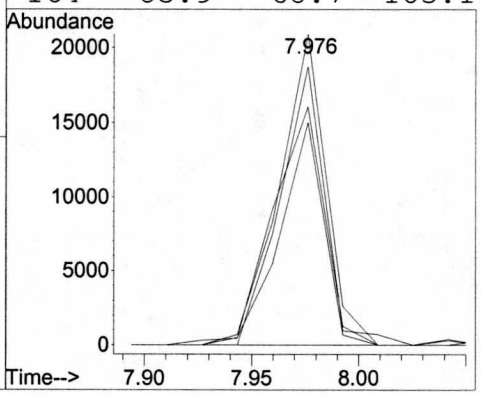
#62
Tetrachloroethene
Concen: 53.41 ppbv
RT: 7.976 min Scan# 375
Delta R.T. 0.000 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

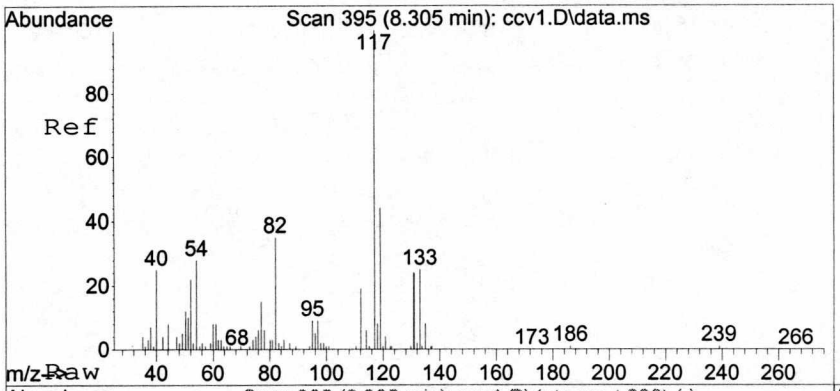
Tgt Ion:166 Resp: 32041

Ion	Ratio	Lower	Upper
166	100		
131	66.7	65.7	98.5
129	83.0	68.8	103.2
164	85.9	68.7	103.1





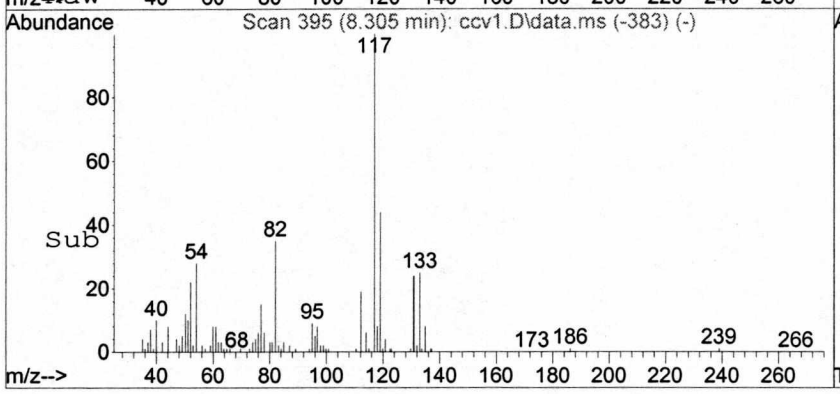


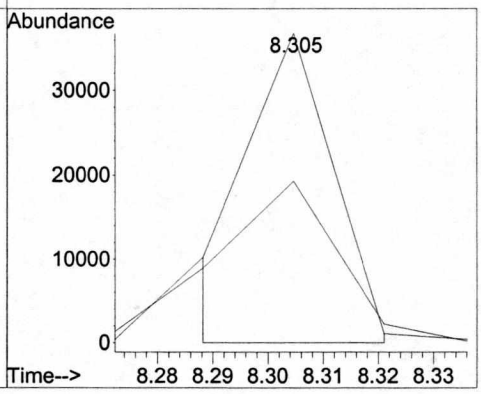


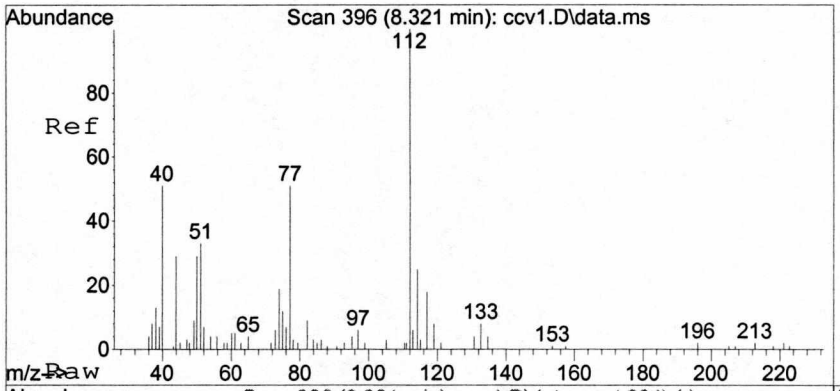
#64
1,1,1,2 Tetrachloroethane
Concen: 65.81 ppbv m
RT: 8.305 min Scan# 395
Delta R.T. 0.000 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:131 Resp: 37312

Ion	Ratio	Lower	Upper
131	100		
133	83.2	82.7	124.1



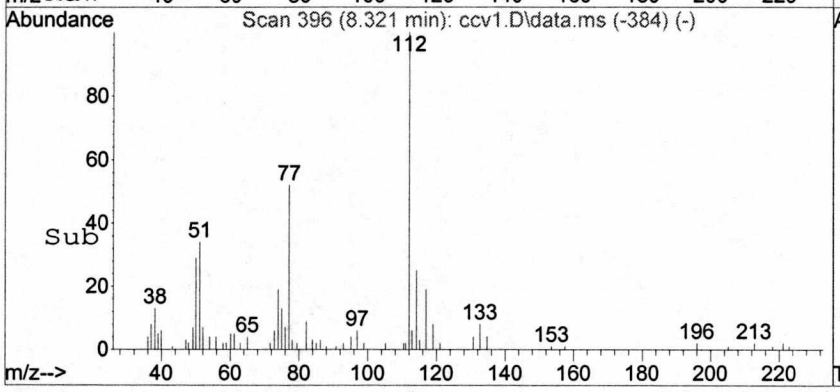


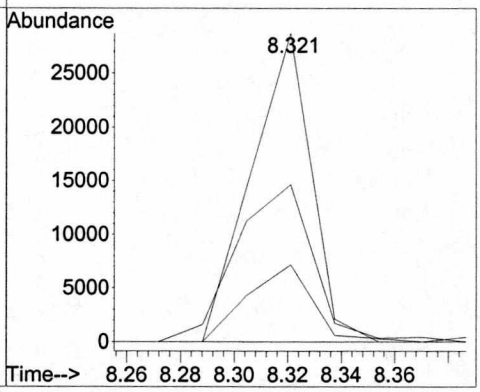


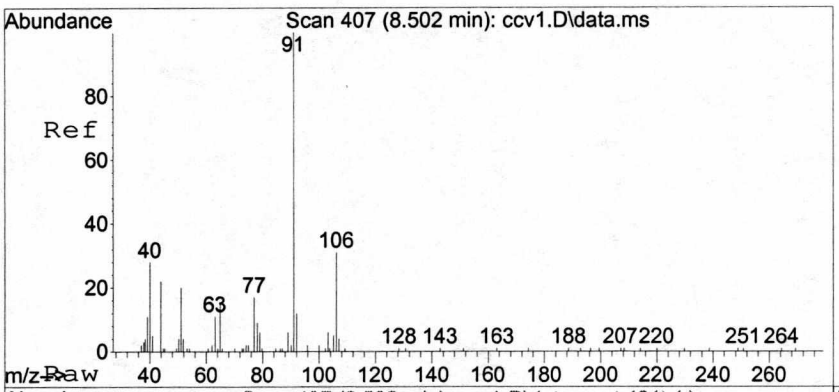
#65
Chlorobenzene
Concen: 51.69 ppbv
RT: 8.321 min Scan# 396
Delta R.T. 0.000 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:112 Resp: 44479

Ion	Ratio	Lower	Upper
112	100		
114	27.3	22.4	33.6
77	65.3	43.5	65.3#



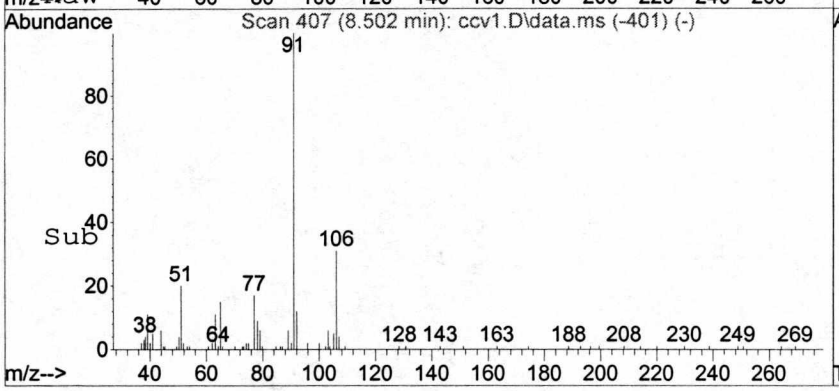


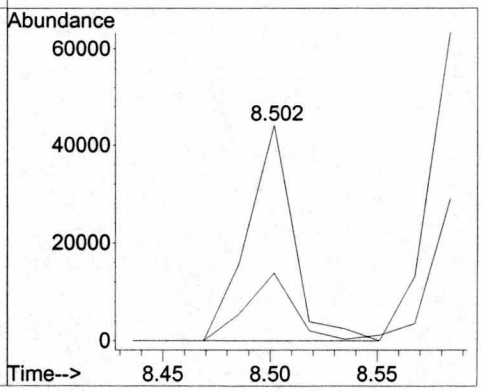


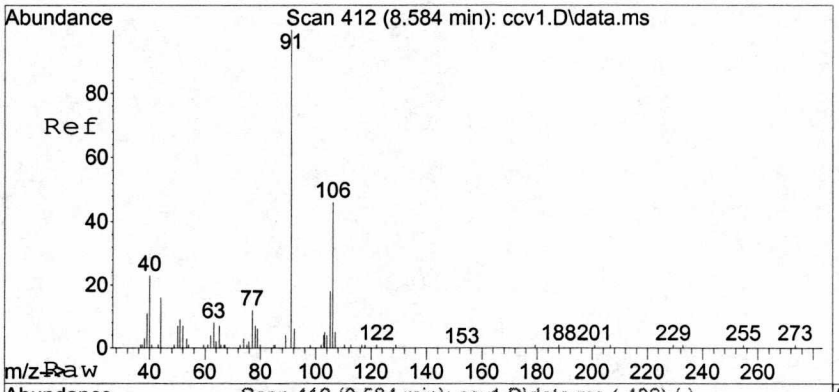
#66
Ethylbenzene
Concen: 42.42 ppbv
RT: 8.502 min Scan# 407
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion: 91 Resp: 65040

Ion	Ratio	Lower	Upper
91	100		
106	32.7	27.0	40.4



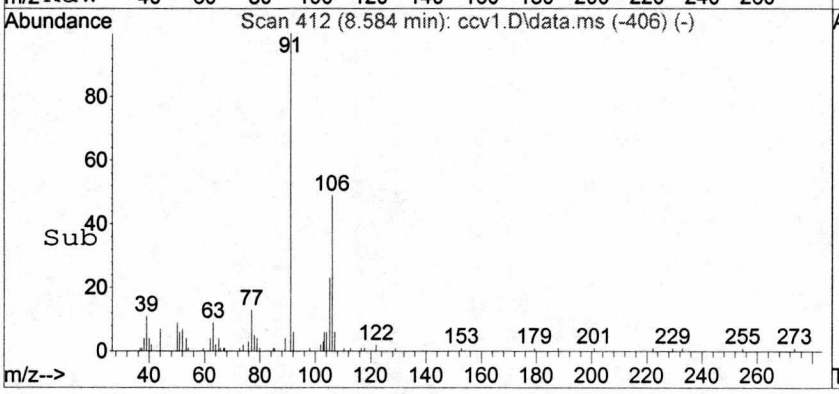


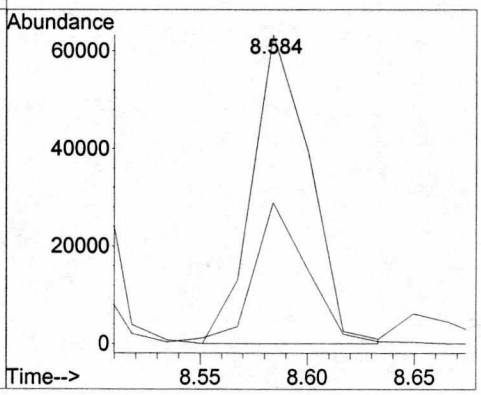


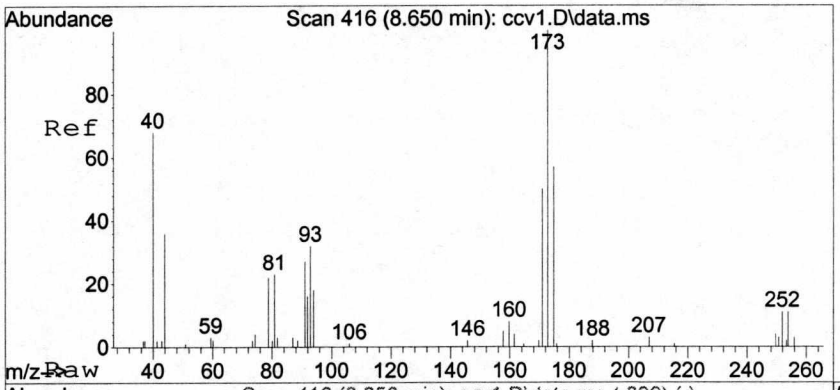
#67
m,p-xylene
Concen: 99.03 ppbv
RT: 8.584 min Scan# 412
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion: 91 Resp: 117625

Ion	Ratio	Lower	Upper
91	100		
106	39.9	35.2	52.8



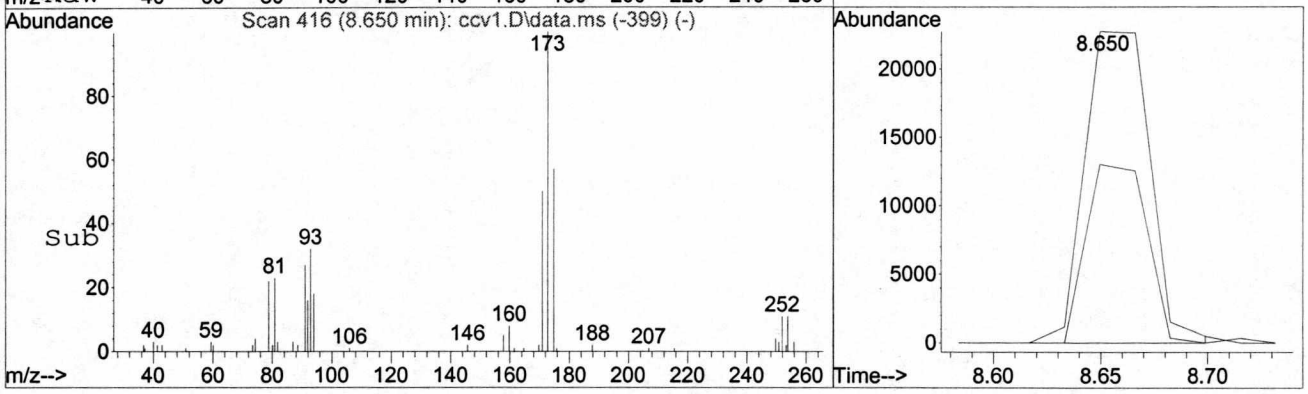


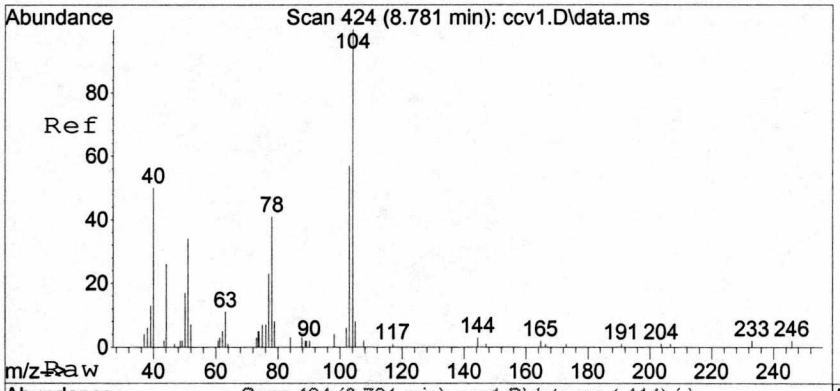


#68
Bromoform
Concen: 52.63 ppbv
RT: 8.650 min Scan# 416
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:173 Resp: 47857

Ion	Ratio	Lower	Upper
173	100		
175	53.4	22.5	62.5

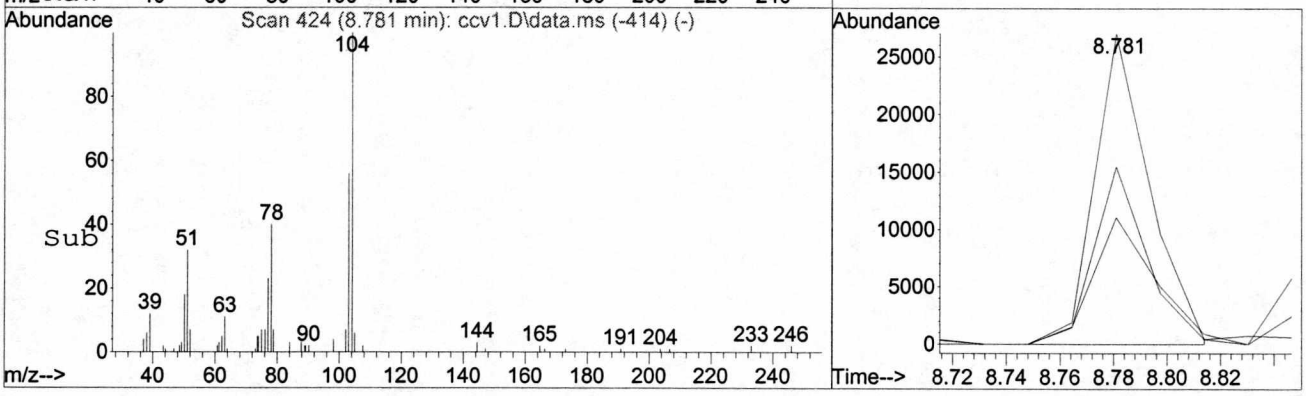


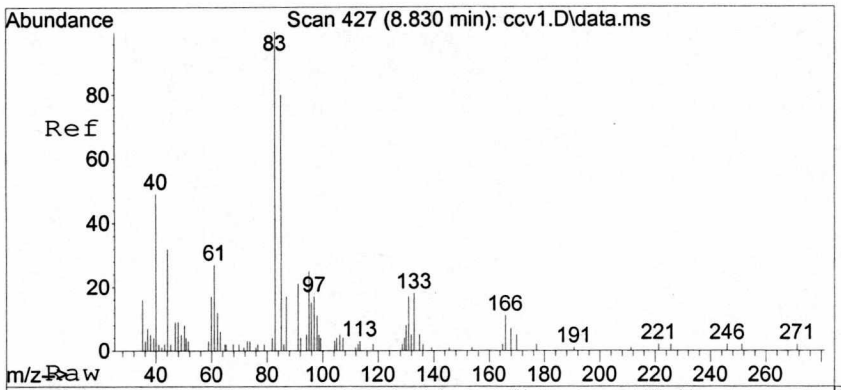


#69
Styrene
Concen: 44.09 ppbv
RT: 8.781 min Scan# 424
Delta R.T. -0.033 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:104 Resp: 38443

Ion	Ratio	Lower	Upper
104	100		
78	47.5	33.7	50.5
103	56.1	42.8	64.2

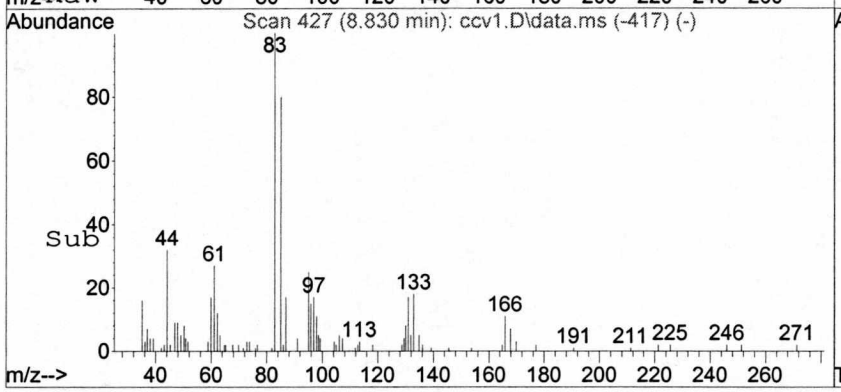


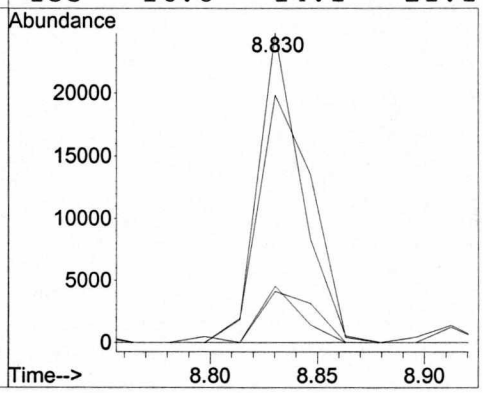


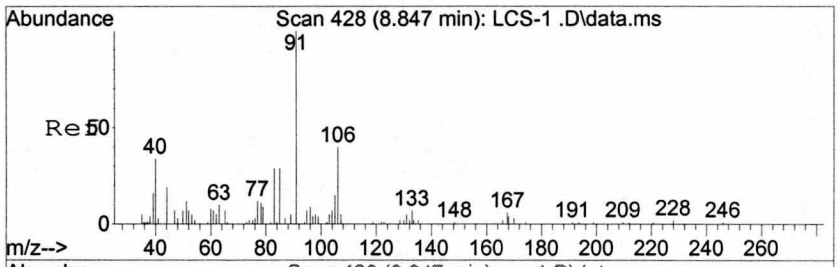
#70
1,1,2,2-Tetrachloroethane
Concen: 51.86 ppbv
RT: 8.830 min Scan# 427
Delta R.T. -0.033 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion: 83 Resp: 34969

Ion	Ratio	Lower	Upper
83	100		
85	100.8	58.6	88.0#
131	20.5	14.1	21.1
133	16.8	14.1	21.1



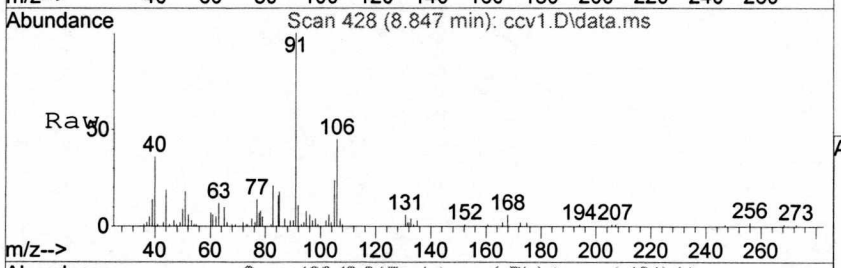


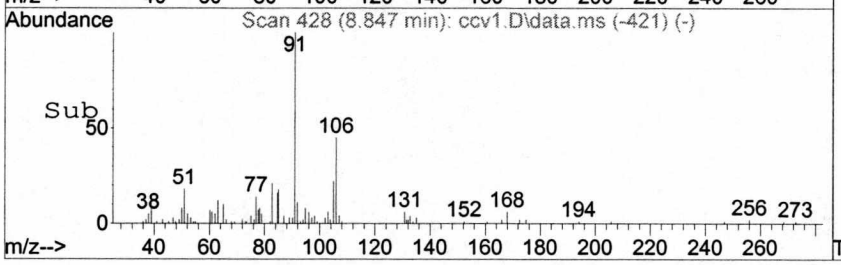


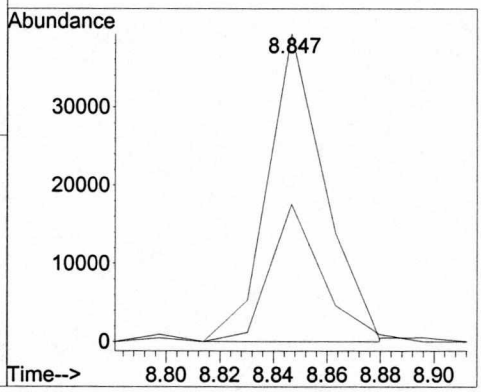
#71
o-xylene
Concen: 47.51 ppbv
RT: 8.847 min Scan# 428
Delta R.T. 0.000 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

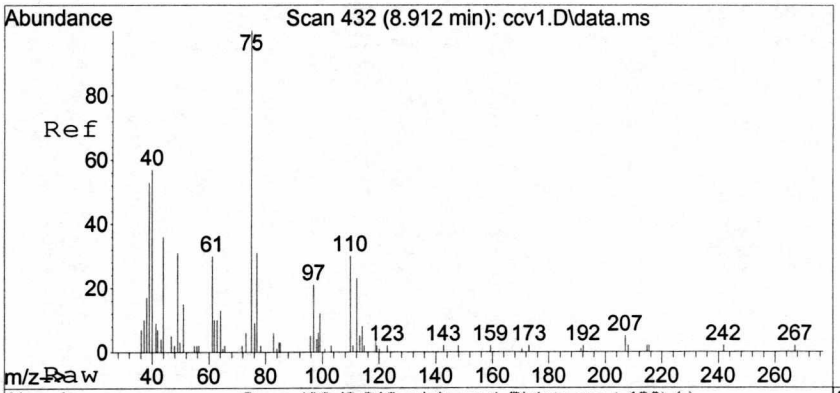
Tgt Ion: 91 Resp: 58014

Ion	Ratio	Lower	Upper
91	100		
106	41.3	31.8	47.8





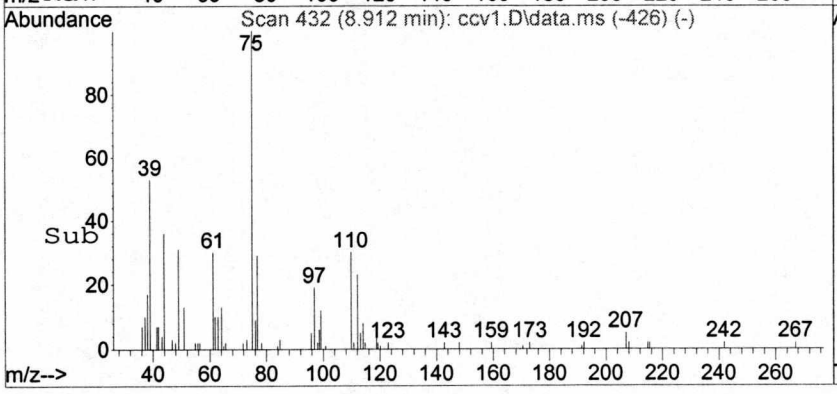


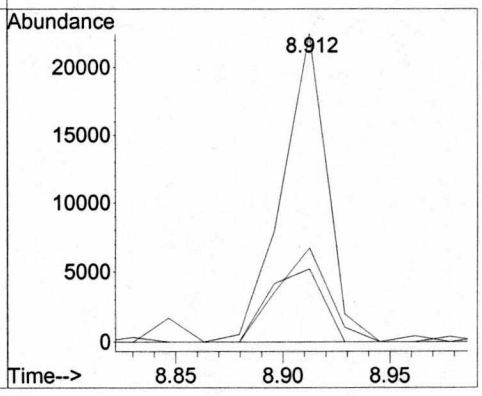


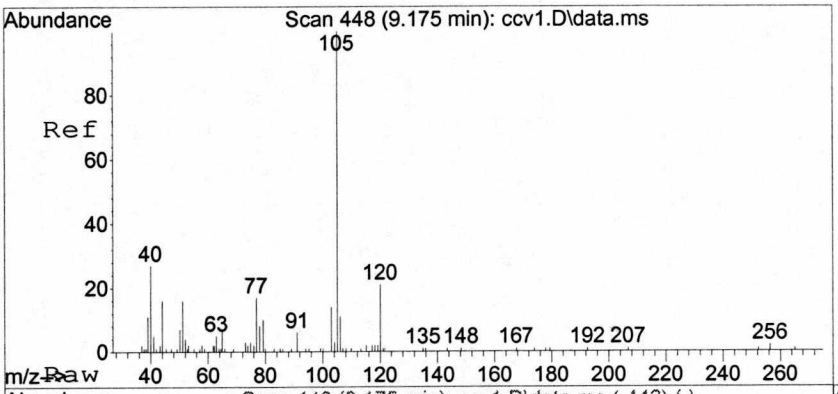
#72
1,2,3-Trichloropropane
Concen: 52.89 ppbv
RT: 8.912 min Scan# 432
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion: 75 Resp: 32454

Ion	Ratio	Lower	Upper
75	100		
110	34.3	43.5	65.3#
112	28.4	31.4	47.2#



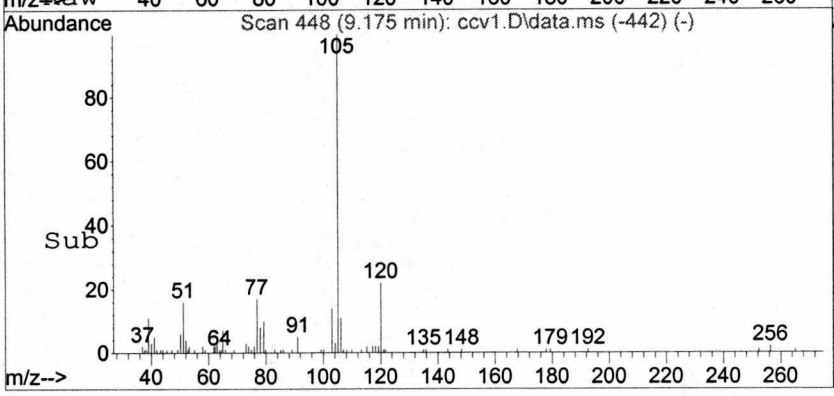


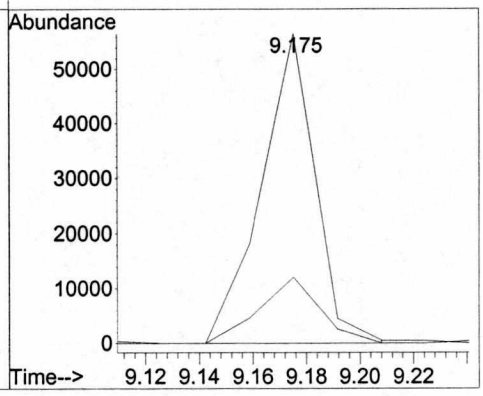


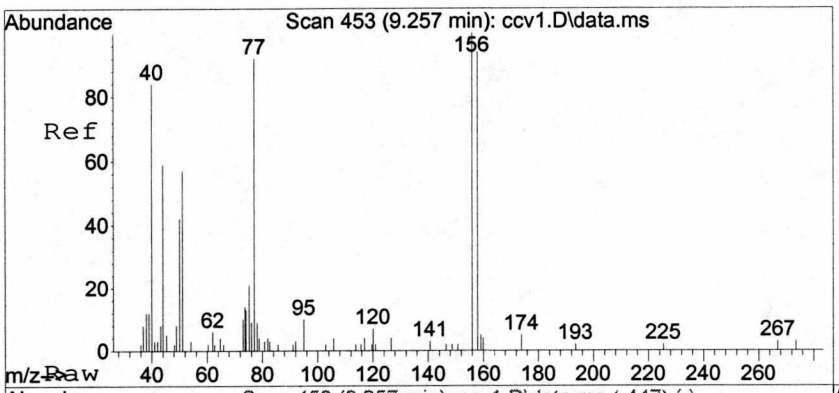
#73
Isopropylbenzene
Concen: 47.63 ppbv
RT: 9.175 min Scan# 448
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:105 Resp: 78624

Ion	Ratio	Lower	Upper
105	100		
120	24.2	25.1	37.7#



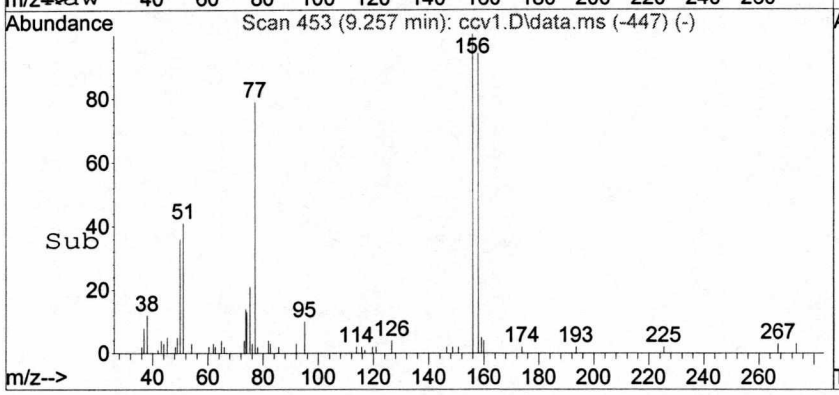


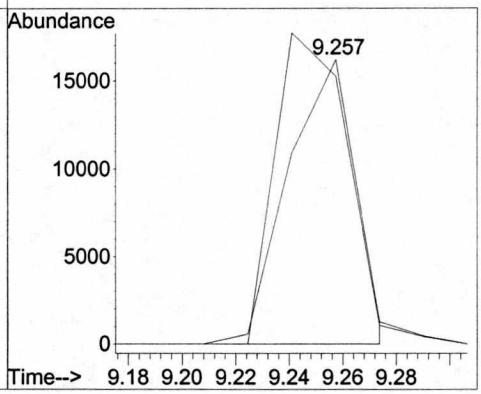


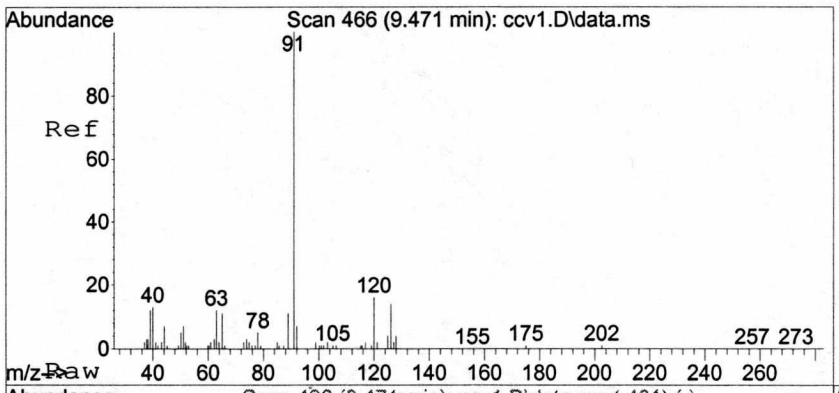
#75
Bromobenzene
Concen: 45.84 ppbv
RT: 9.257 min Scan# 453
Delta R.T. 0.000 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:156 Resp: 28530

Ion	Ratio	Lower	Upper
156	100		
158	117.5	79.4	119.0



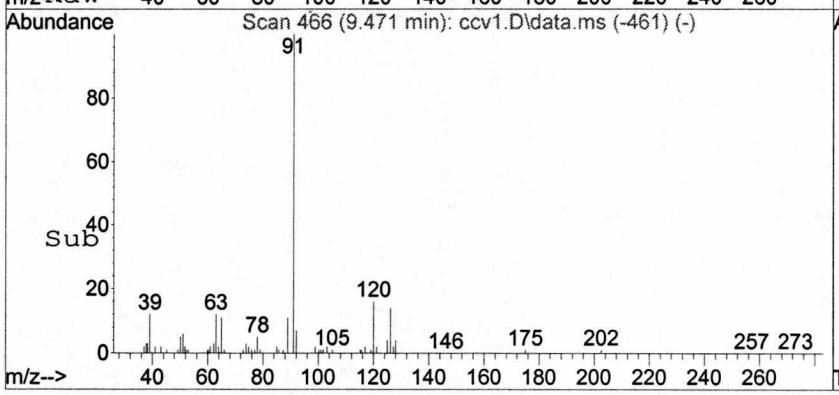


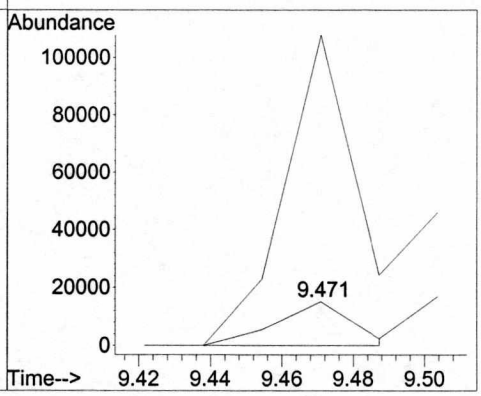


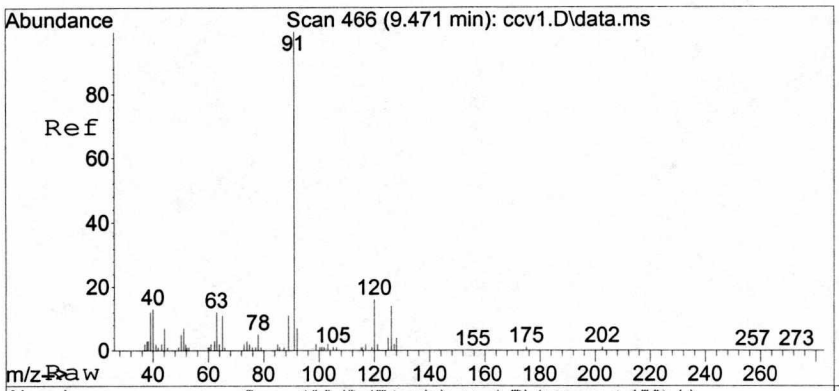
#76
2-Chlorotoluene
Concen: 51.12 ppbv
RT: 9.471 min Scan# 466
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:126 Resp: 22552

Ion	Ratio	Lower	Upper
126	100		
91	676.8	605.1	907.7



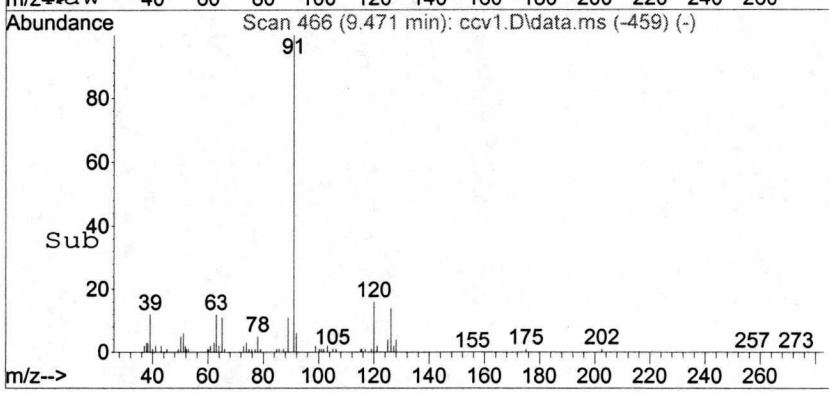


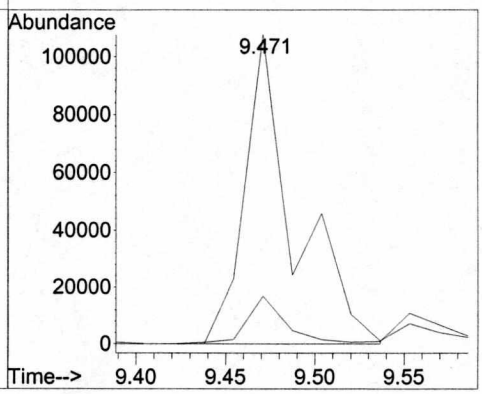


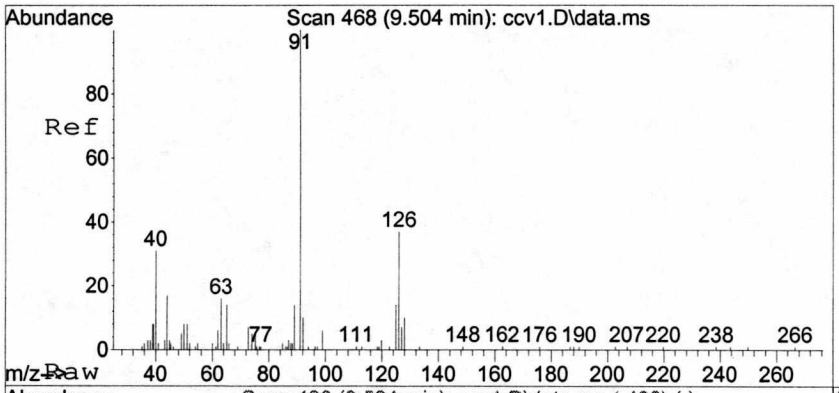
#77
n-Propylbenzene
Concen: 51.64 ppbv
RT: 9.471 min Scan# 466
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion: 91 Resp: 209231

Ion	Ratio	Lower	Upper
91	100		
120	10.6	14.5	21.7#



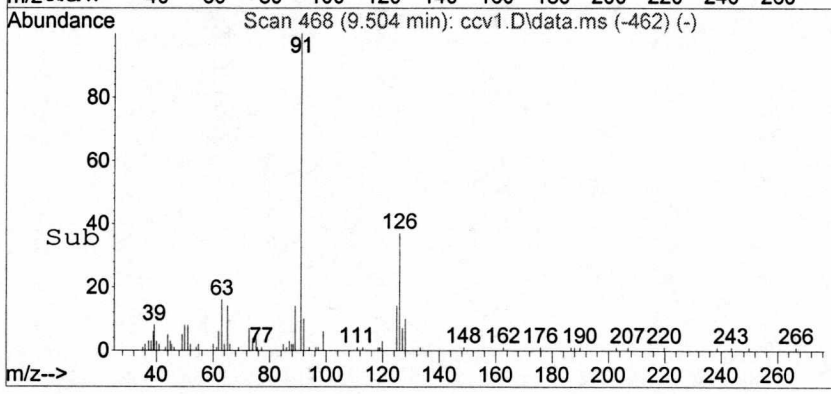


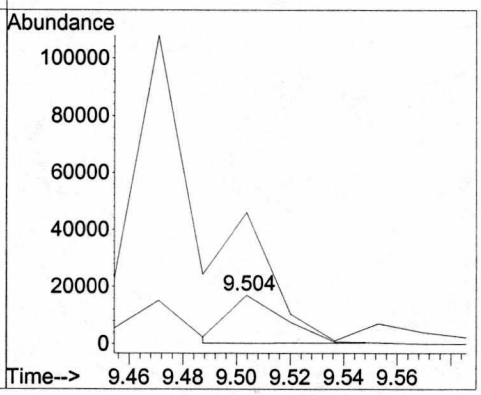


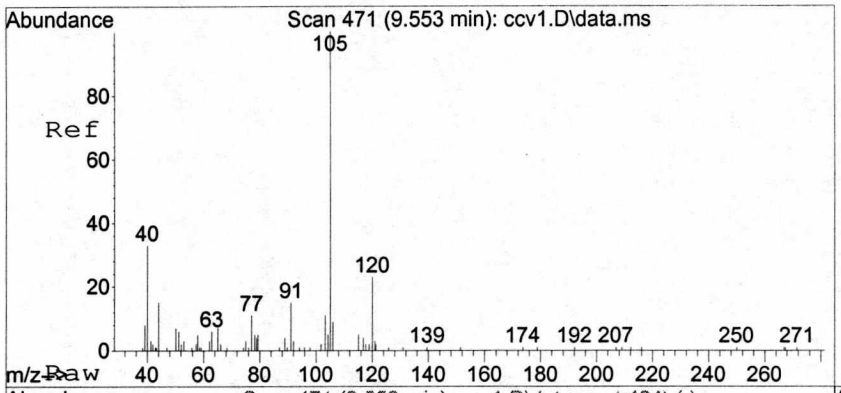
#78
4-Chlorotoluene
Concen: 70.80 ppbv
RT: 9.504 min Scan# 468
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:126 Resp: 24028

Ion	Ratio	Lower	Upper
126	100		
91	0.0	212.5	318.7#



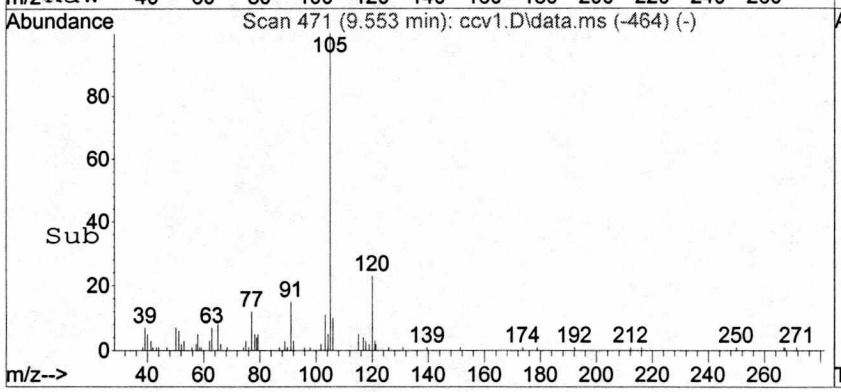


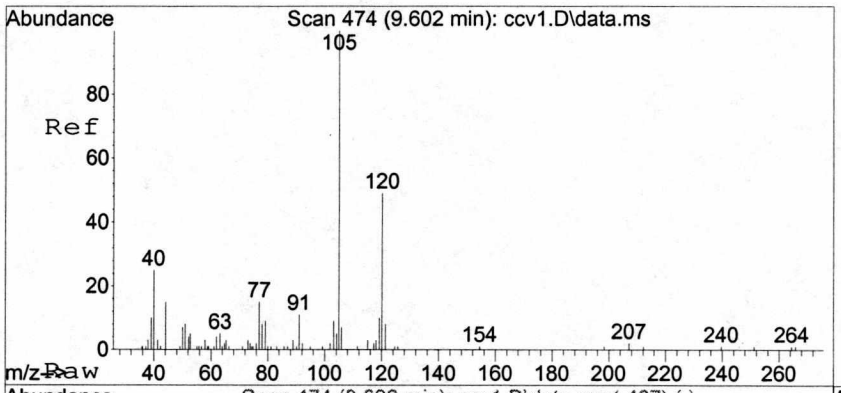


#79
4-Ethyltoluene
Concen: 48.47 ppbv
RT: 9.553 min Scan# 471
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:105 Resp: 77019

Ion	Ratio	Lower	Upper
105	100		
120	24.1	25.3	37.9#

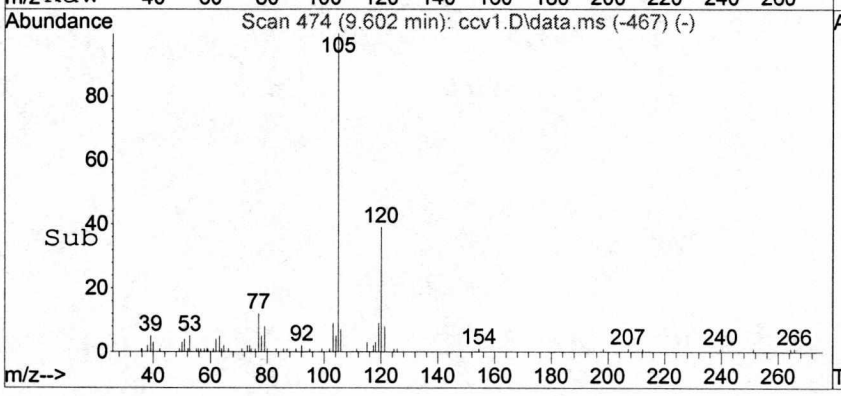


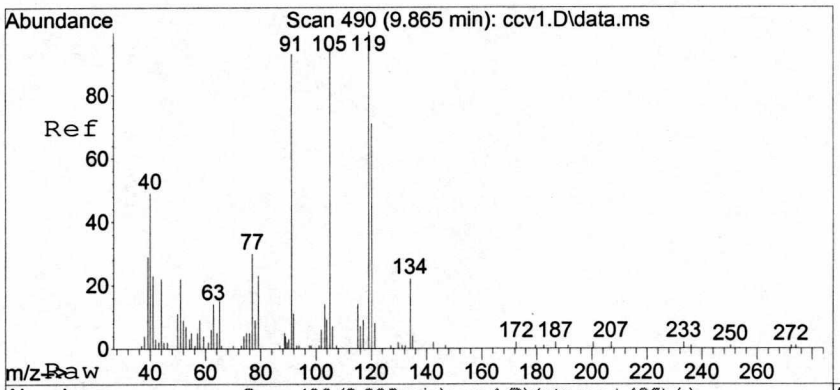


#80
1,3,5-Trimethylbenzene
Concen: 38.52 ppbv
RT: 9.602 min Scan# 474
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:105 Resp: 53156

Ion	Ratio	Lower	Upper
105	100		
120	51.7	36.5	54.7

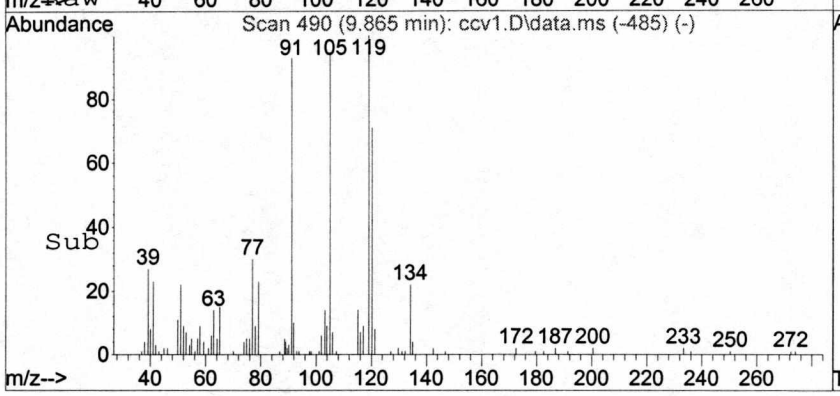


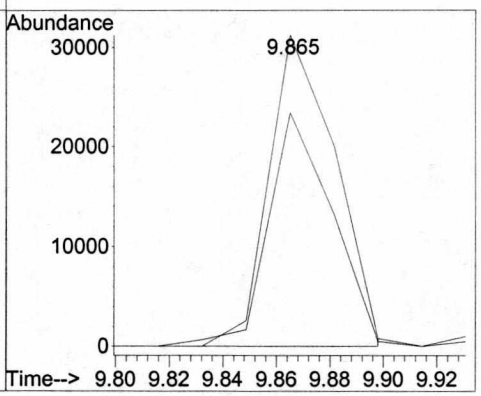


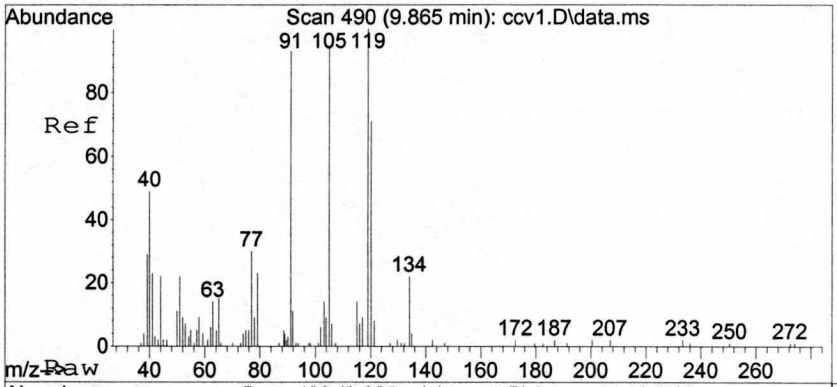
#81
1,2,4-Trimethylbenzene
Concen: 40.30 ppbv
RT: 9.865 min Scan# 490
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:105 Resp: 53907

Ion	Ratio	Lower	Upper
105	100		
120	67.3	43.0	64.6#



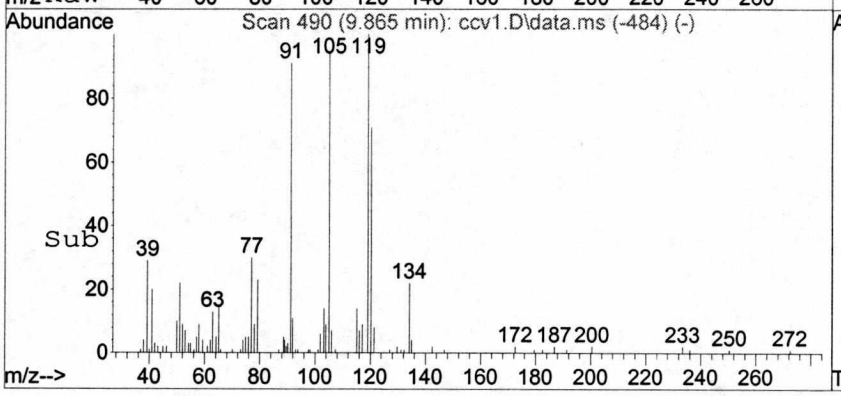


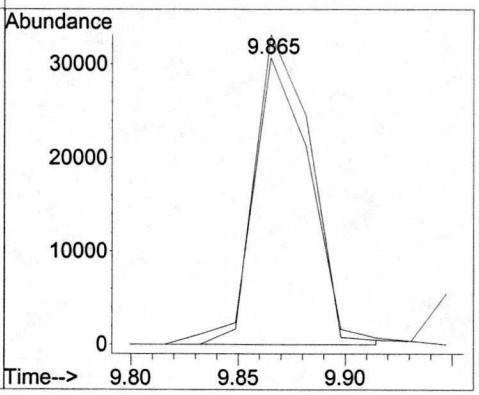


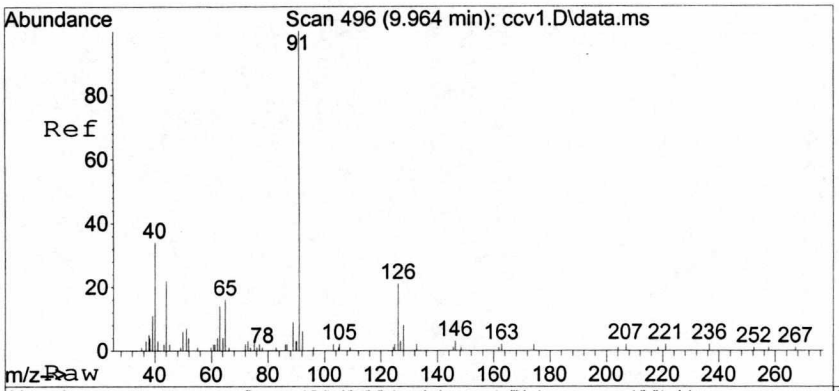
#82
tert-Butylbenzene
Concen: 39.22 ppbv
RT: 9.865 min Scan# 490
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:119 Resp: 59699

Ion	Ratio	Lower	Upper
119	100		
91	87.6	52.7	79.1#



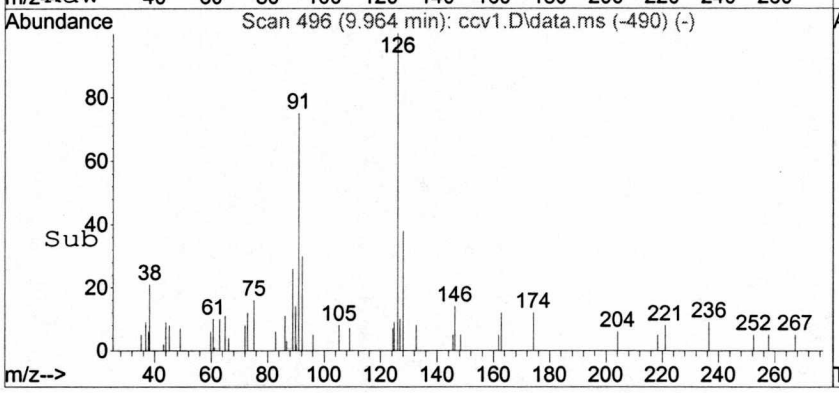


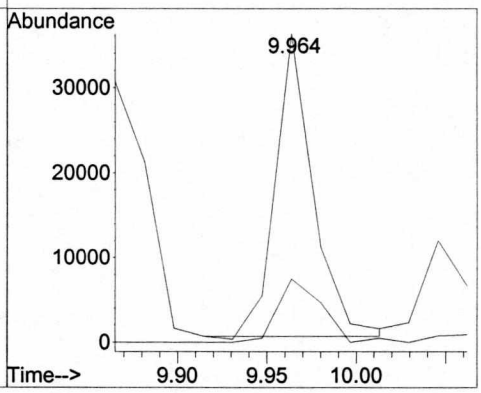


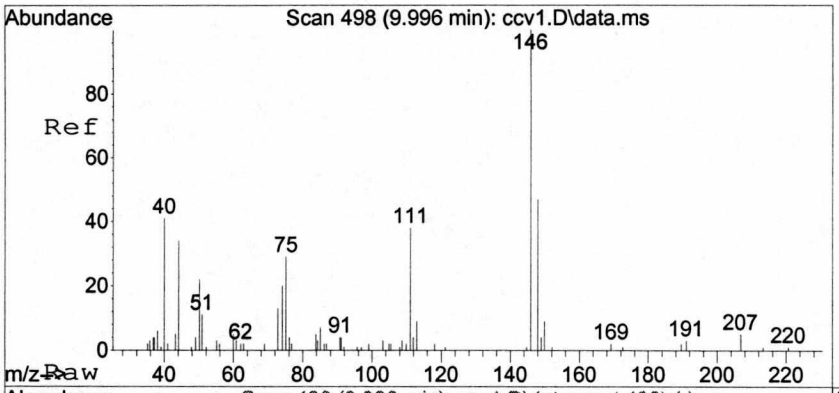
#83
Benzyl Chloride
Concen: 40.24 ppbv
RT: 9.964 min Scan# 496
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion: 91 Resp: 51980

Ion	Ratio	Lower	Upper
91	100		
126	23.9	21.2	31.8



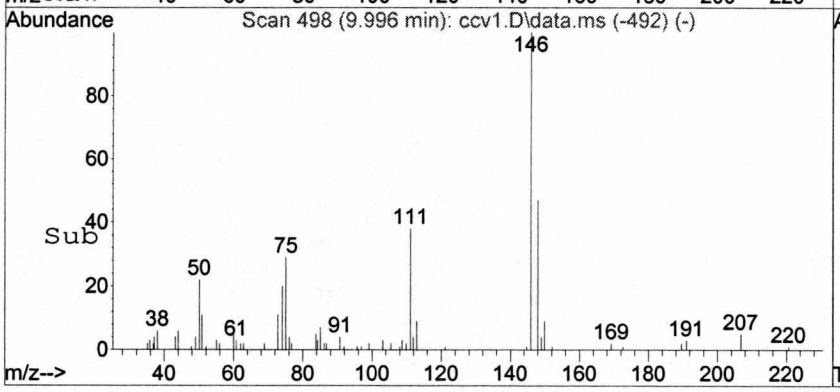


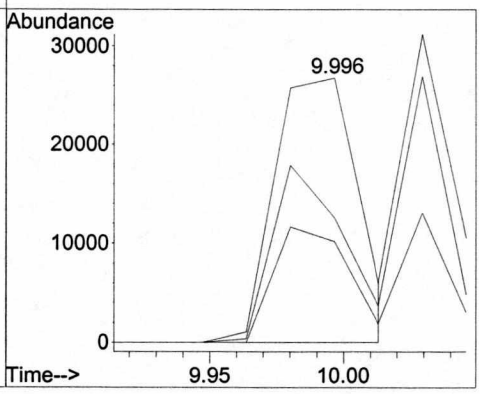


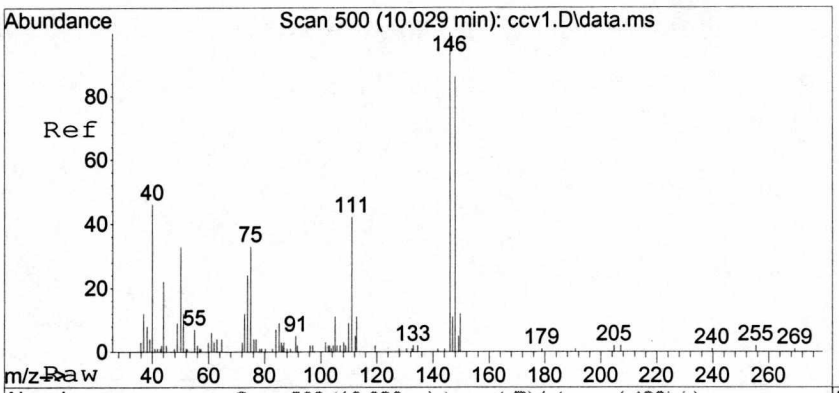
#84
1,3-Dichlorobenzene
Concen: 51.62 ppbv
RT: 9.996 min Scan# 498
Delta R.T. 0.000 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:146 Resp: 58839

Ion	Ratio	Lower	Upper
146	100		
148	57.8	42.7	64.1
111	39.8	32.7	49.1



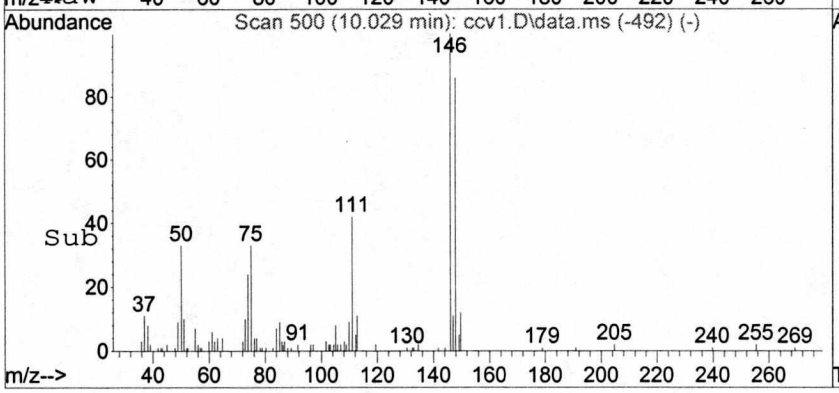


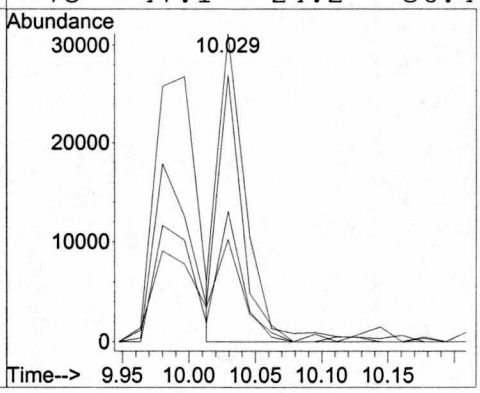


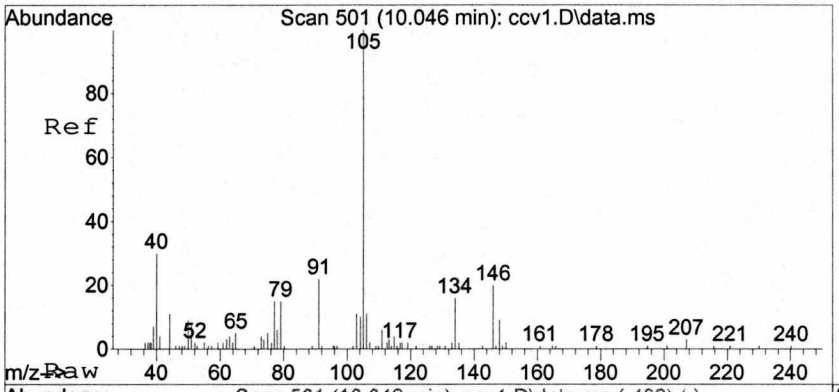
#85
1,4-Dichlorobenzene
Concen: 50.89 ppbv m
RT: 10.029 min Scan# 500
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:146 Resp: 45022

Ion	Ratio	Lower	Upper
146	100		
148	75.6	48.9	73.3#
111	52.0	29.0	43.6#
75	47.1	24.2	36.4#



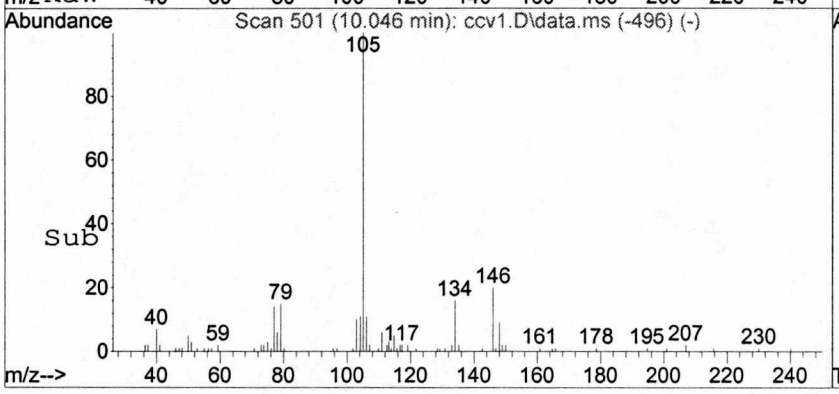


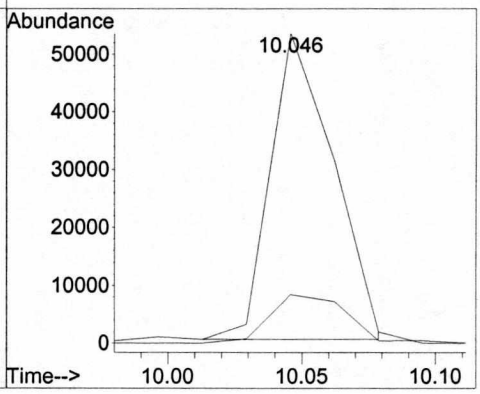


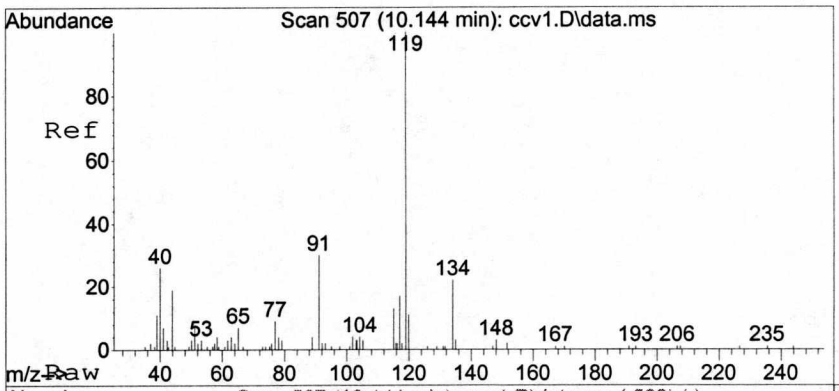
#86
sec-Butylbenzene
Concen: 46.55 ppbv
RT: 10.046 min Scan# 501
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:105 Resp: 86450

Ion	Ratio	Lower	Upper
105	100		
134	19.1	18.2	27.4



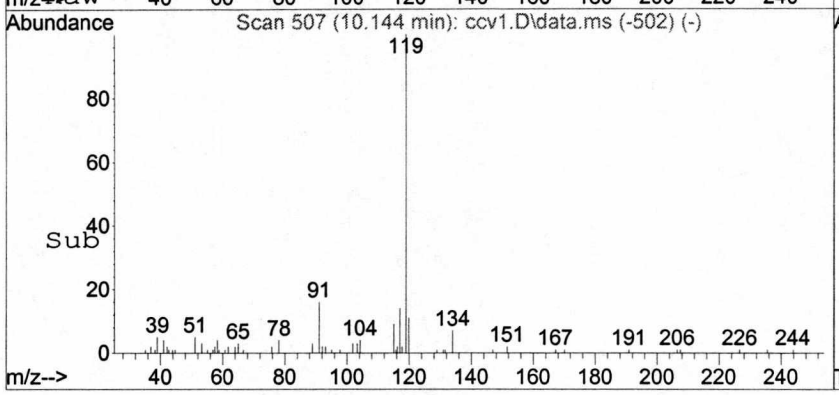


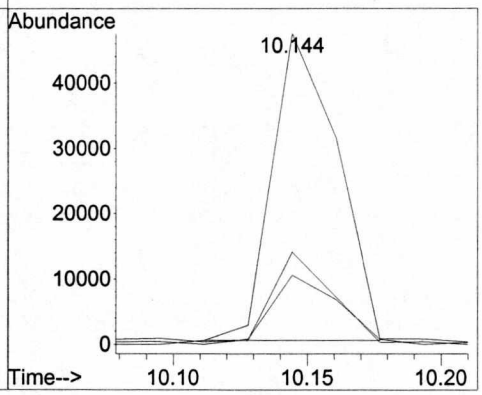


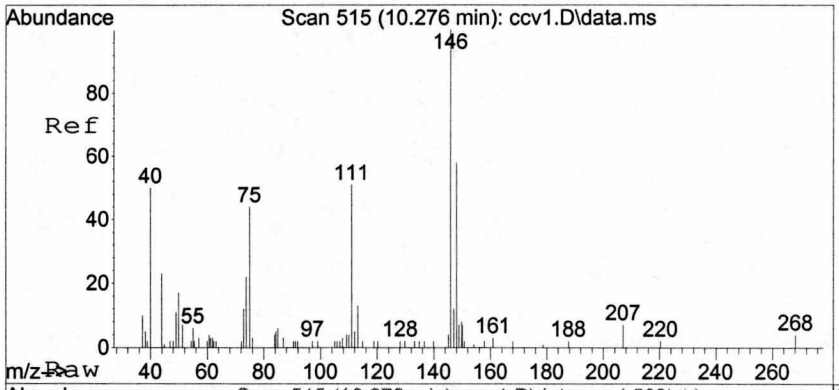
#87
p-Isopropyltoluene
Concen: 46.54 ppbv
RT: 10.144 min Scan# 507
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:119 Resp: 79381

Ion	Ratio	Lower	Upper
119	100		
91	26.1	21.3	31.9
134	23.6	23.9	35.9#



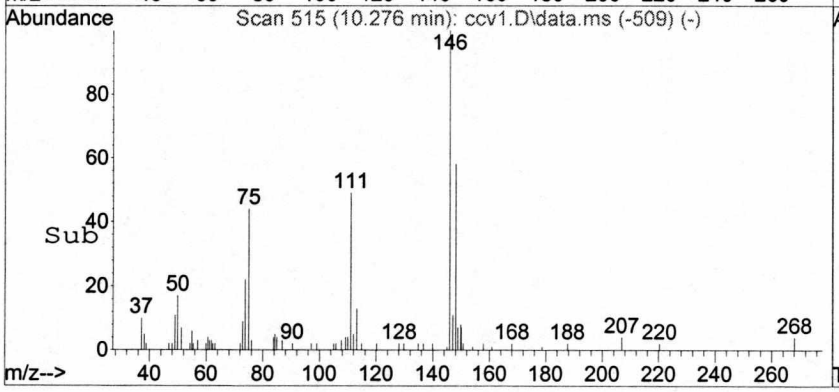


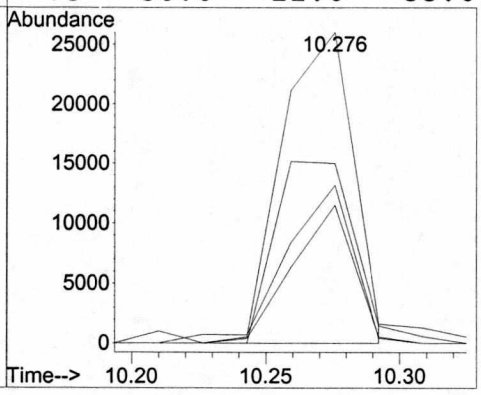


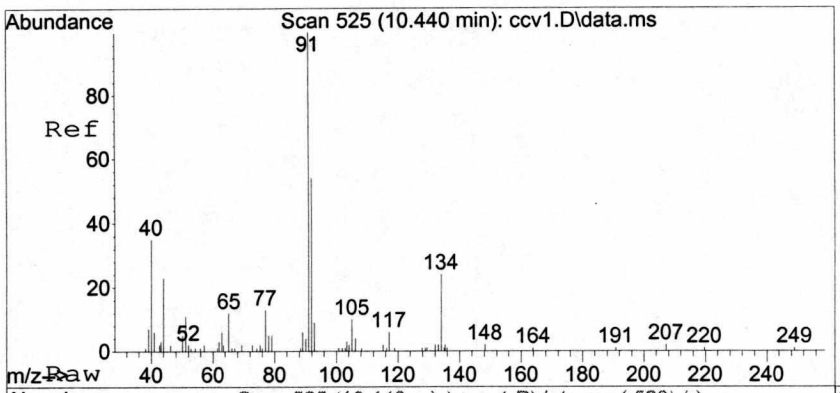
#88
1,2-Dichlorobenzene
Concen: 54.23 ppbv
RT: 10.276 min Scan# 515
Delta R.T. 0.000 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:146 Resp: 48610

Ion	Ratio	Lower	Upper
146	100		
148	64.1	62.6	93.8
111	42.8	34.9	52.3
75	38.0	22.0	33.0#



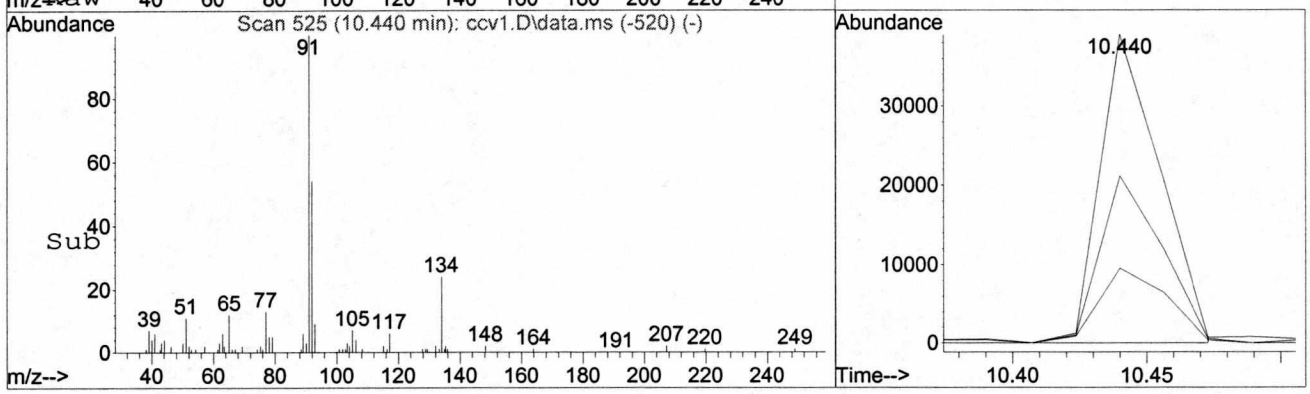


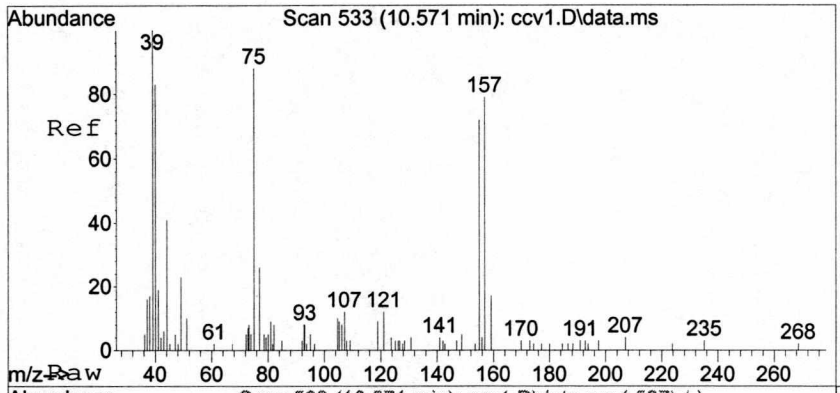


#89
n-Butylbenzene
Concen: 47.05 ppbv
RT: 10.440 min Scan# 525
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion: 91 Resp: 60687

Ion	Ratio	Lower	Upper
91	100		
92	56.3	45.3	67.9
134	28.0	18.0	27.0#

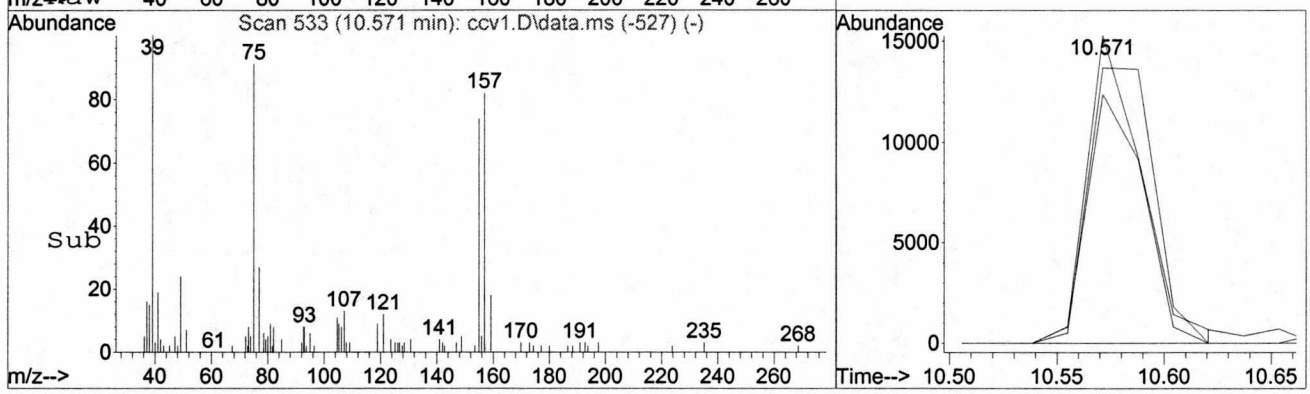


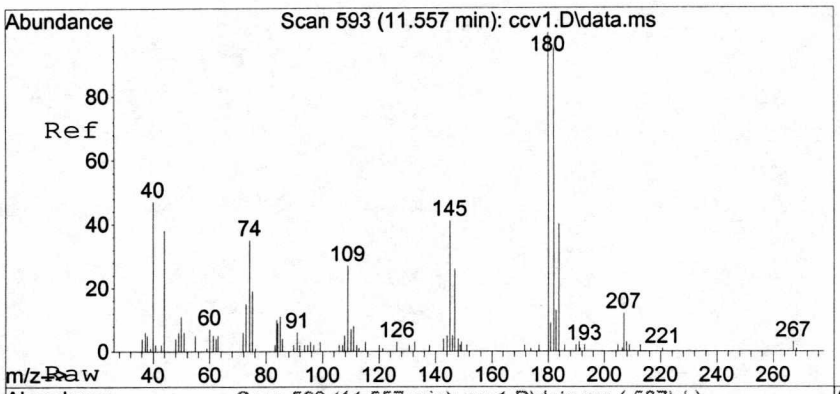


#90
1,2 Dibromo-3-chloropropane
Concen: 52.88 ppbv
RT: 10.571 min Scan# 533
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion: 75 Resp: 27056

Ion	Ratio	Lower	Upper
75	100		
155	84.4	62.3	93.5
157	108.0	81.9	122.9

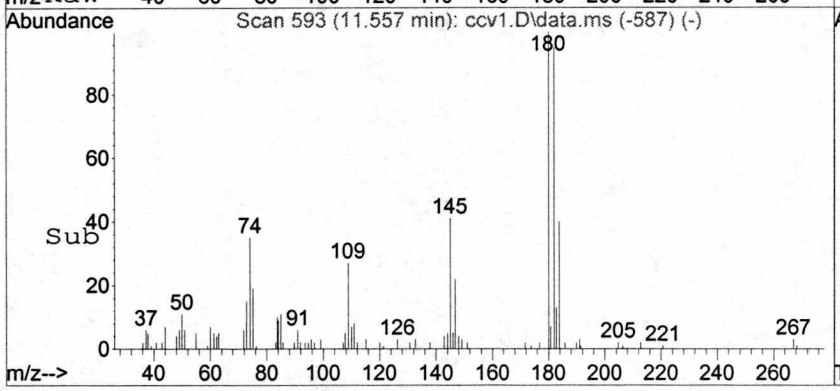


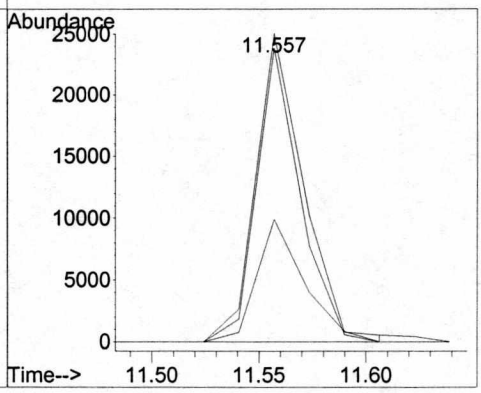


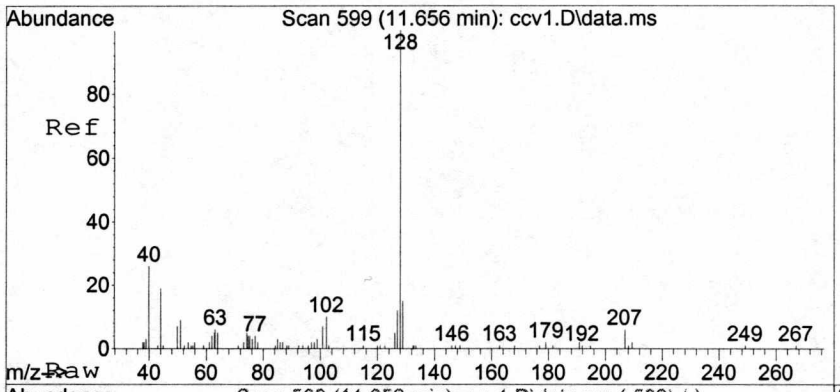
#91
1,2,4-Trichlorobenzene
Concen: 56.29 ppbv
RT: 11.557 min Scan# 593
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:180 Resp: 38664

Ion	Ratio	Lower	Upper
180	100		
182	86.8	103.0	154.4#
184	39.6	33.0	49.6



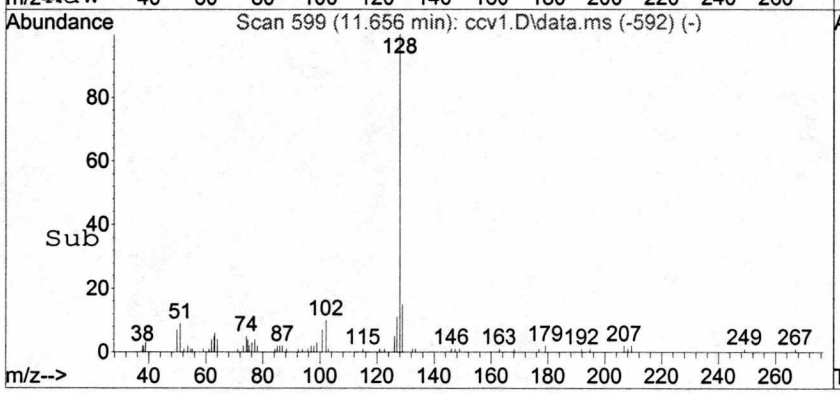


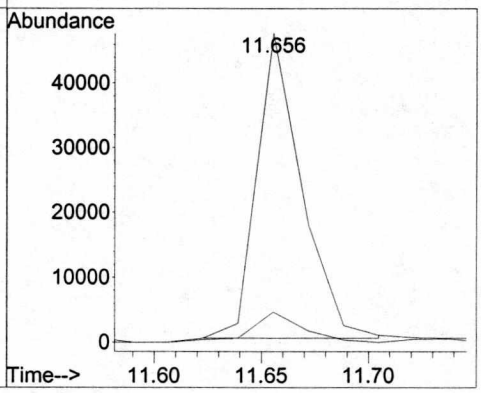


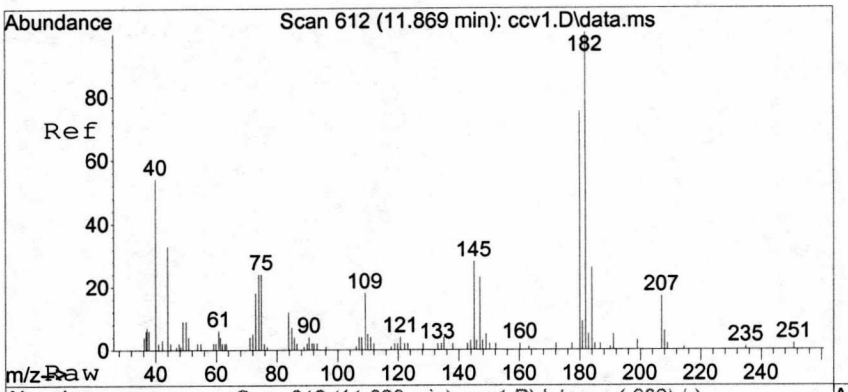
#92
Naphthalene
Concen: 49.67 ppbv
RT: 11.656 min Scan# 599
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:128 Resp: 68199

Ion	Ratio	Lower	Upper
128	100		
102	11.3	10.4	15.6



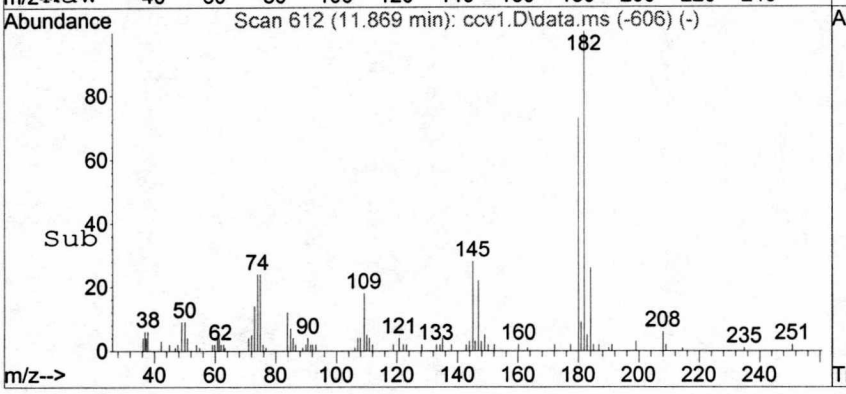


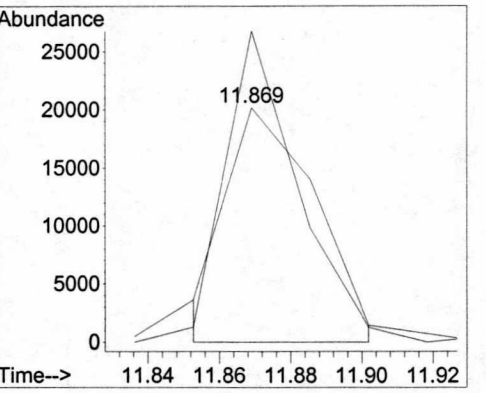


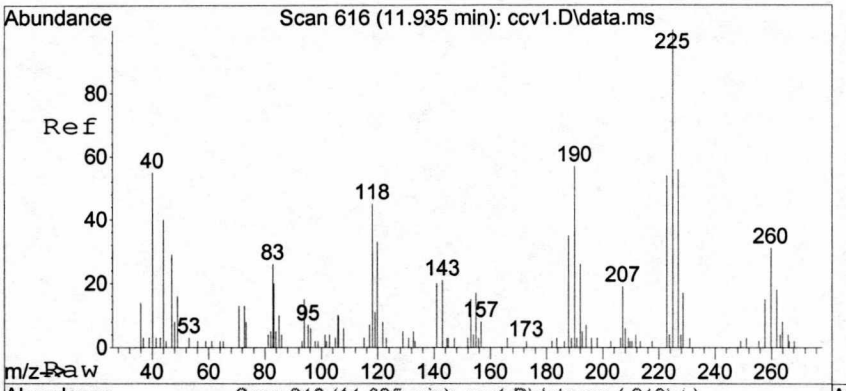
#93
1,2,3-Trichlorobenzene
Concen: 60.97 ppbv m
RT: 11.869 min Scan# 612
Delta R.T. -0.016 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:180 Resp: 35109

Ion	Ratio	Lower	Upper
180	100		
182	109.8	91.9	137.9



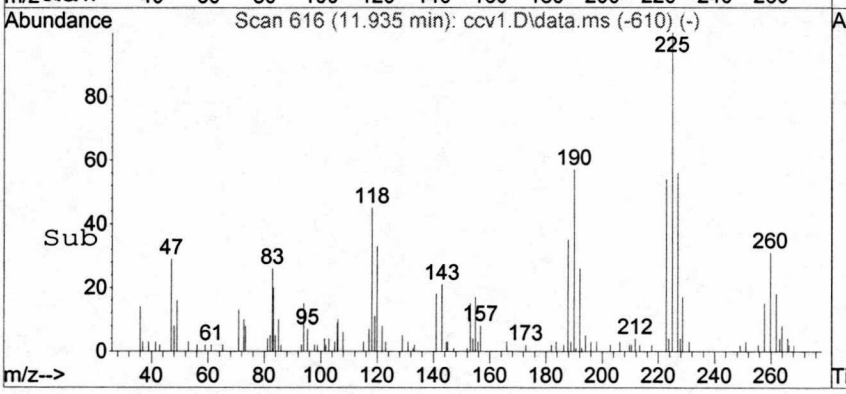


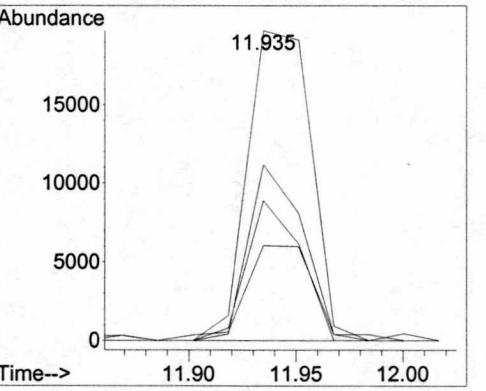


#94
Hexachlorobutadiene
Concen: 73.21 ppbv
RT: 11.935 min Scan# 616
Delta R.T. -0.033 min
Lab File: ccv1.D
Acq: 24 Mar 2015 18:16

Tgt Ion:225 Resp: 40705

Ion	Ratio	Lower	Upper
225	100		
190	48.5	38.2	57.4
260	31.4	27.4	41.2
118	38.3	29.0	43.4





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\032515\
Data File : blank-4.D
Acq On : 25 Mar 2015 7:25
Operator : mm
Sample : EC52502-BLK1
Misc : 1,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 08:25:07 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Tue Mar 24 18:28:23 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.420	130	71859	209.00	ppbv	0.00
42) 1,4-Difluorobenzene	6.233	114	236025	209.00	ppbv	0.00
63) Chlorobenzene-d5	8.305	54	66171	209.00	ppbv	0.00
System Monitoring Compounds						
36) 1,2-Dichloroethane-d4	5.750	65	127979	205.36	ppbv	0.01
Spiked Amount 209.000			Recovery	=	98.26%	
56) Toluene-d8	7.368	98	226191	215.09	ppbv	0.00
Spiked Amount 209.000			Recovery	=	102.91%	
74) 1,4-Bromofluorobenzene	9.109	95	139252	185.78	ppbv	0.00
Spiked Amount 209.000			Recovery	=	88.89%	

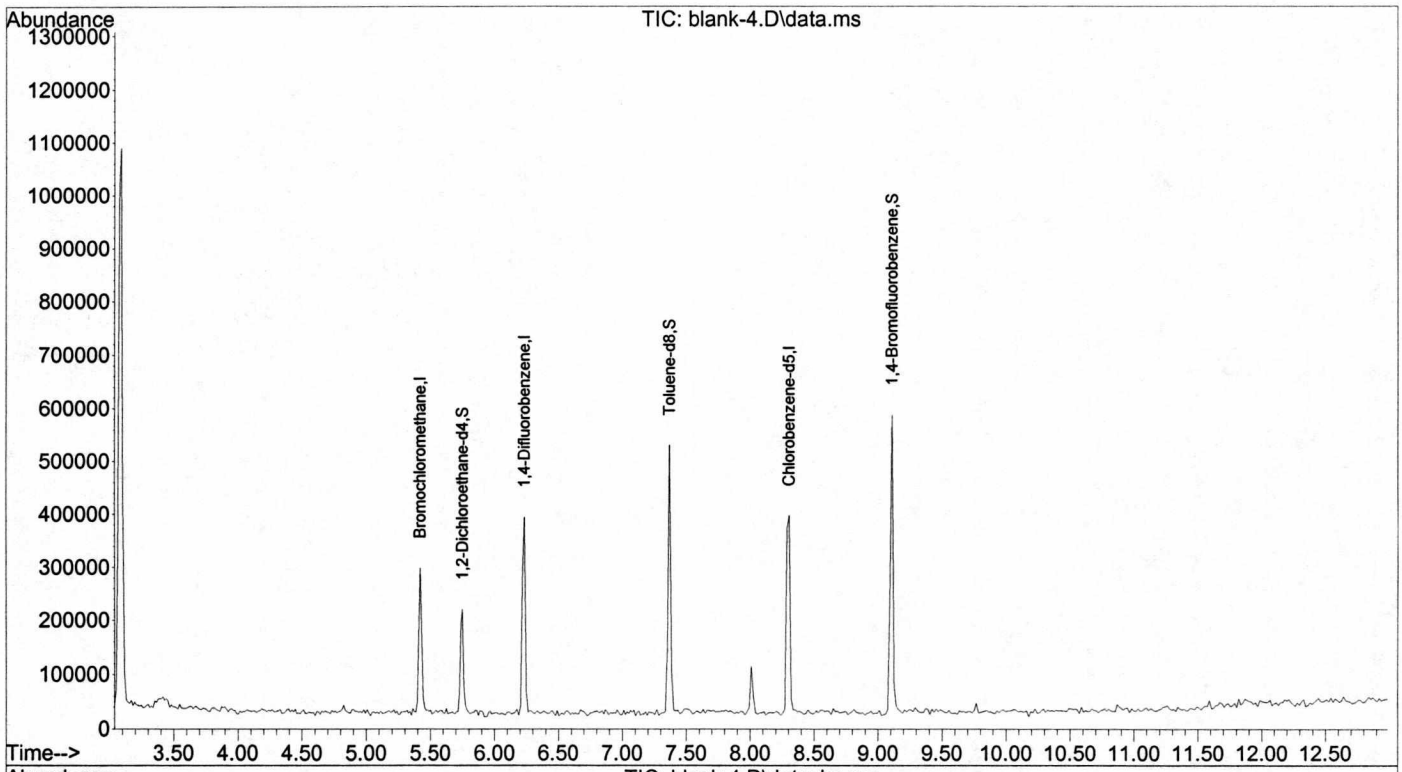
Target Compounds	Qvalue

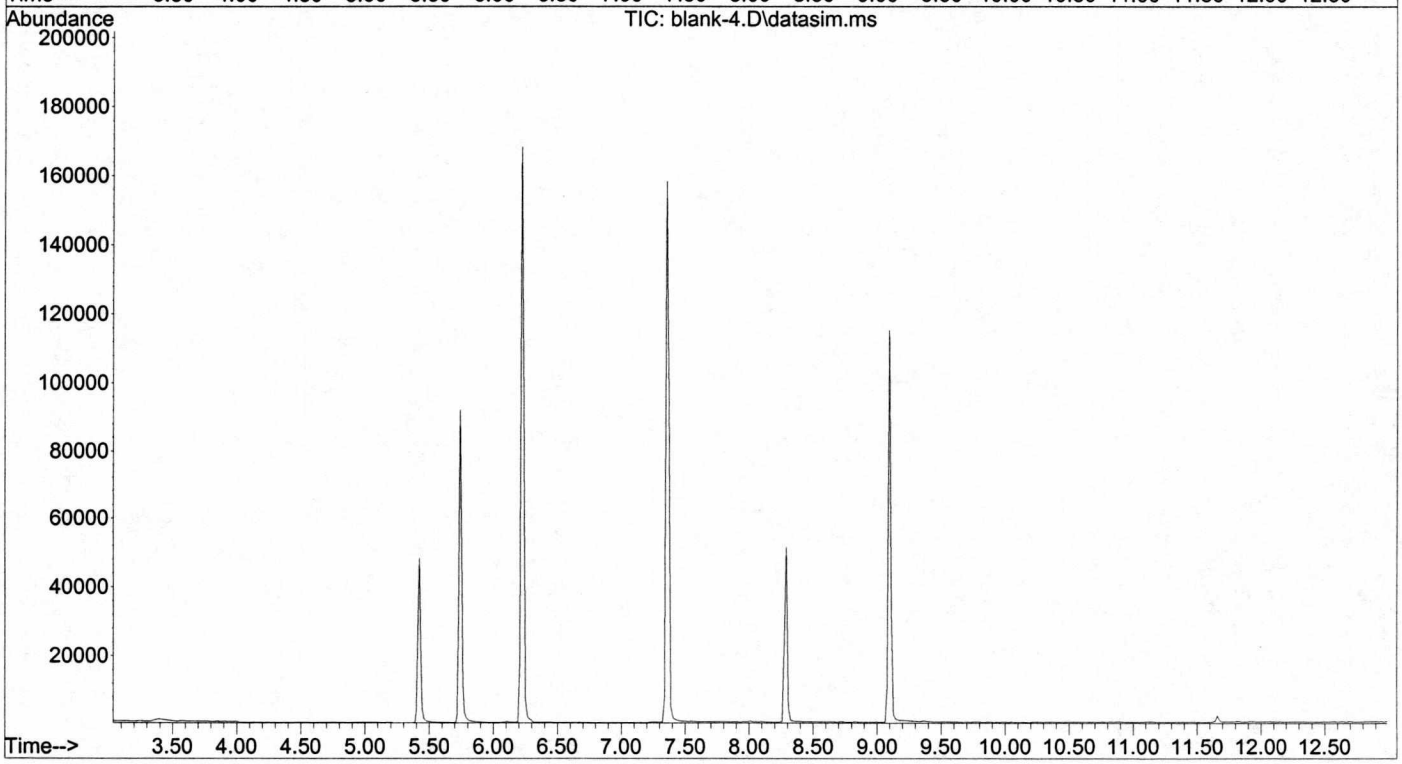
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\032515\
Data File : blank-4.D
Acq On : 25 Mar 2015 7:25
Operator : mm
Sample : EC52502-BLK1
Misc : 1,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 08:25:07 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Tue Mar 24 18:28:23 2015
Response via : Initial Calibration





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\032515\
Data File : SBSG16-35.D
Acq On : 25 Mar 2015 9:58
Operator : mm
Sample : E503112-01
Misc : 25
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 25 10:11:55 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Tue Mar 24 18:28:23 2015
Response via : Initial Calibration

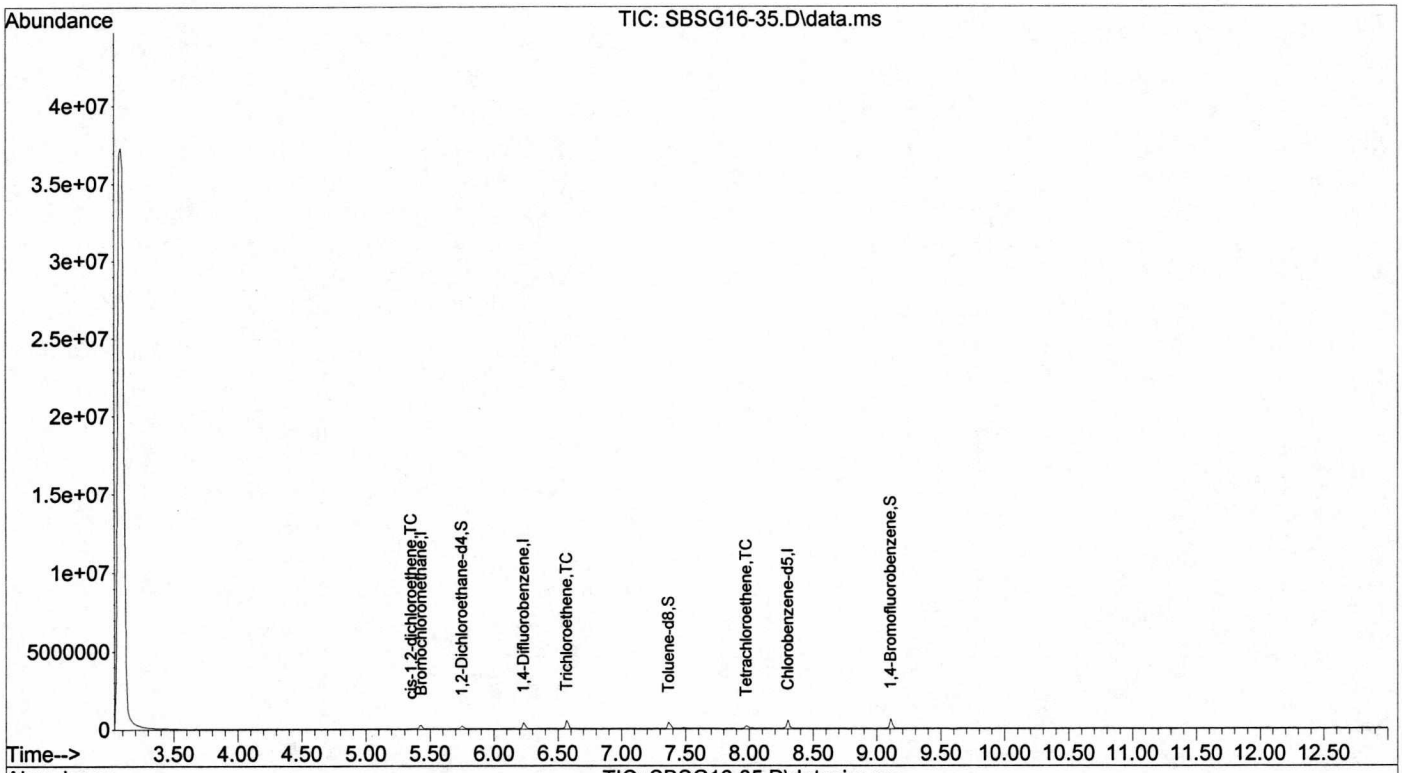
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	5.431	130	64152	209.00 ppbv	0.01
42) 1,4-Difluorobenzene	6.230	114	216483	209.00 ppbv	0.00
63) Chlorobenzene-d5	8.303	54	66941	209.00 ppbv	0.00
System Monitoring Compounds					
36) 1,2-Dichloroethane-d4	5.749	65	117450	211.11 ppbv	0.01
Spiked Amount 209.000			Recovery	= 101.01%	
56) Toluene-d8	7.366	98	199699	207.04 ppbv	0.00
Spiked Amount 209.000			Recovery	= 99.06%	
74) 1,4-Bromofluorobenzene	9.108	95	143805	189.64 ppbv	0.00
Spiked Amount 209.000			Recovery	= 90.74%	
Target Compounds					Qvalue
28) cis-1,2-dichloroethene	5.351	61	8229	17.57 ppbv #	59
48) Trichloroethene	6.566	95	107239	275.44 ppbv #	70
62) Tetrachloroethene	7.974	166	38595	69.23 ppbv	92

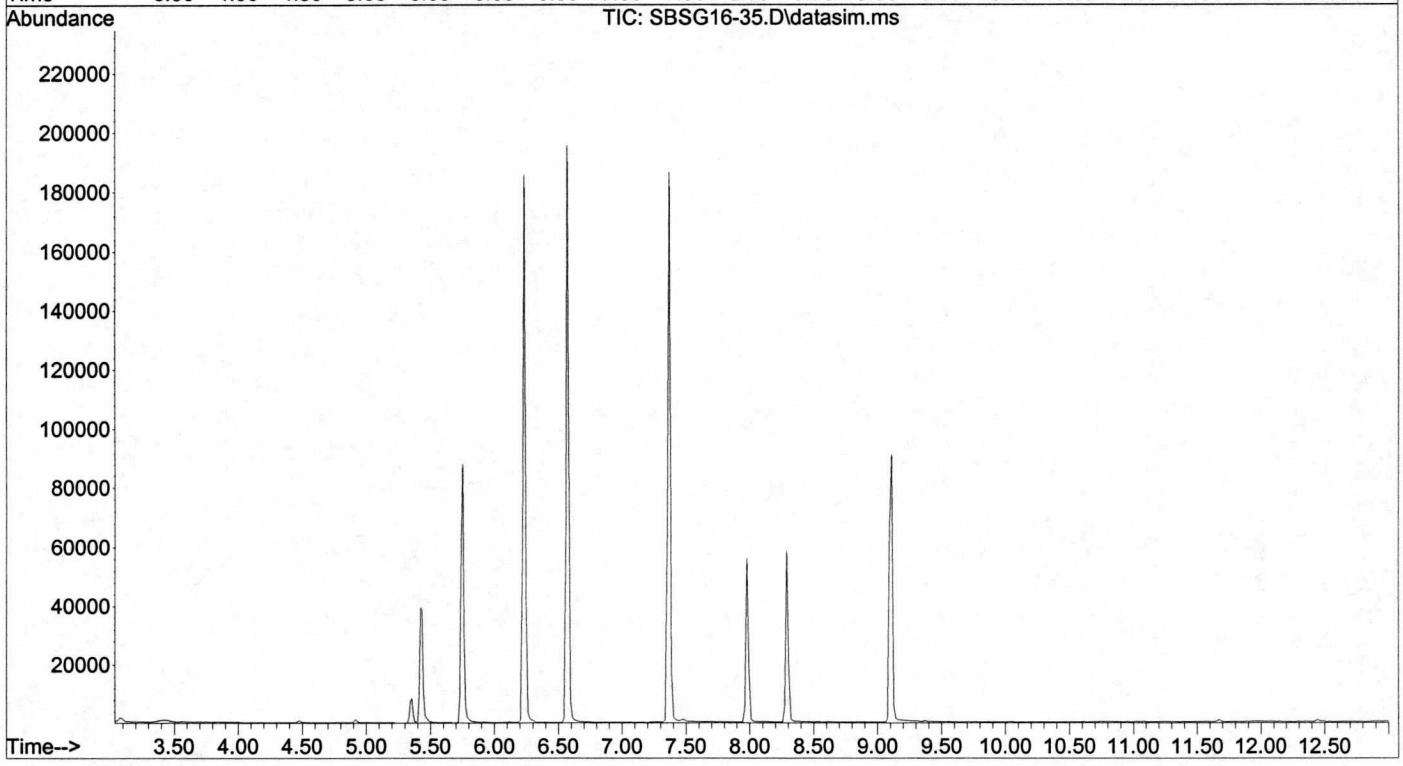
(#) = qualifier out of range (m) = manual integration (+) = signals summed

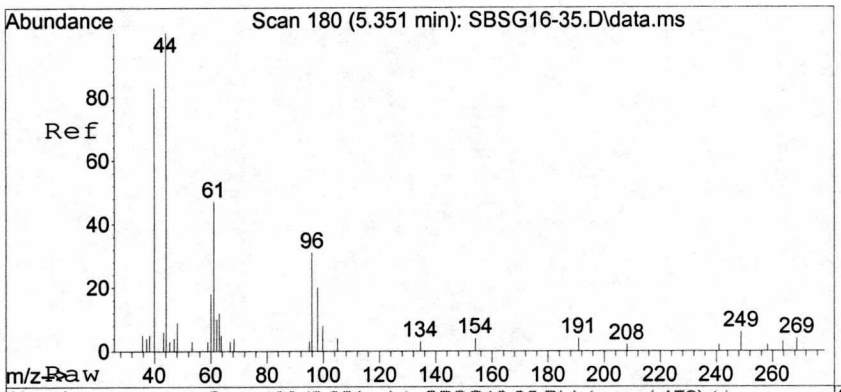
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\032515\
Data File : SBSG16-35.D
Acq On : 25 Mar 2015 9:58
Operator : mm
Sample : E503112-01
Misc : 25
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 25 10:11:55 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Tue Mar 24 18:28:23 2015
Response via : Initial Calibration



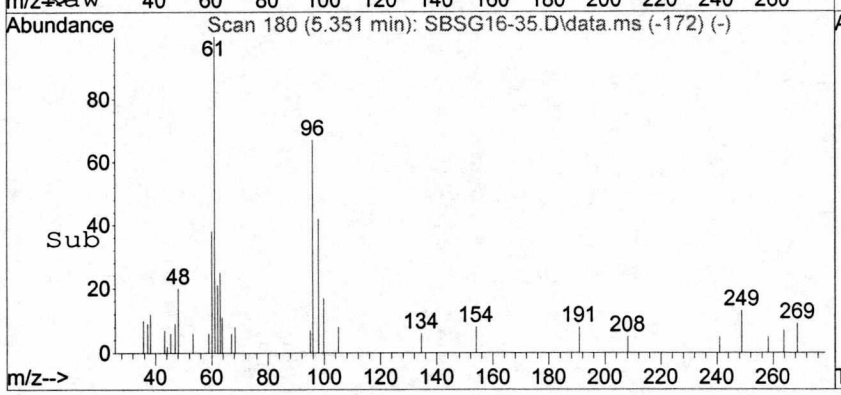


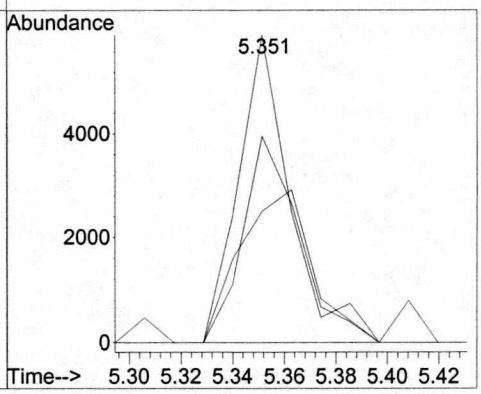


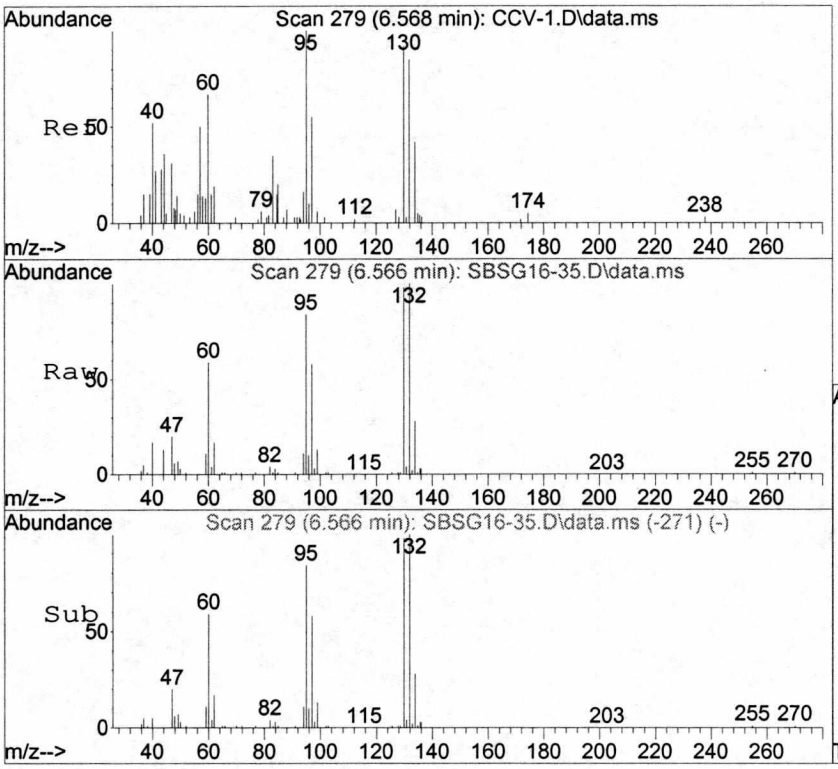
#28
cis-1,2-dichloroethene
Concen: 17.57 ppbv
RT: 5.351 min Scan# 180
Delta R.T. -0.011 min
Lab File: SBSG16-35.D
Acq: 25 Mar 2015 9:58

Tgt Ion: 61 Resp: 8229

Ion	Ratio	Lower	Upper
61	100		
96	72.7	46.5	69.7#
98	68.3	17.4	26.0#



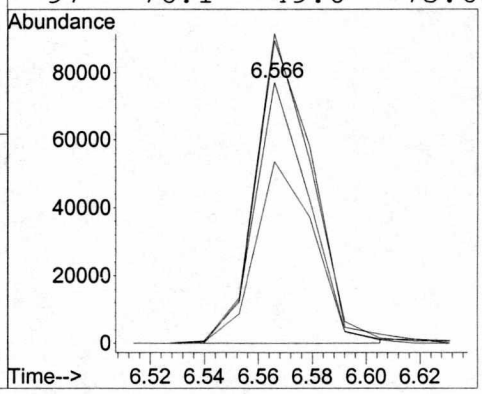


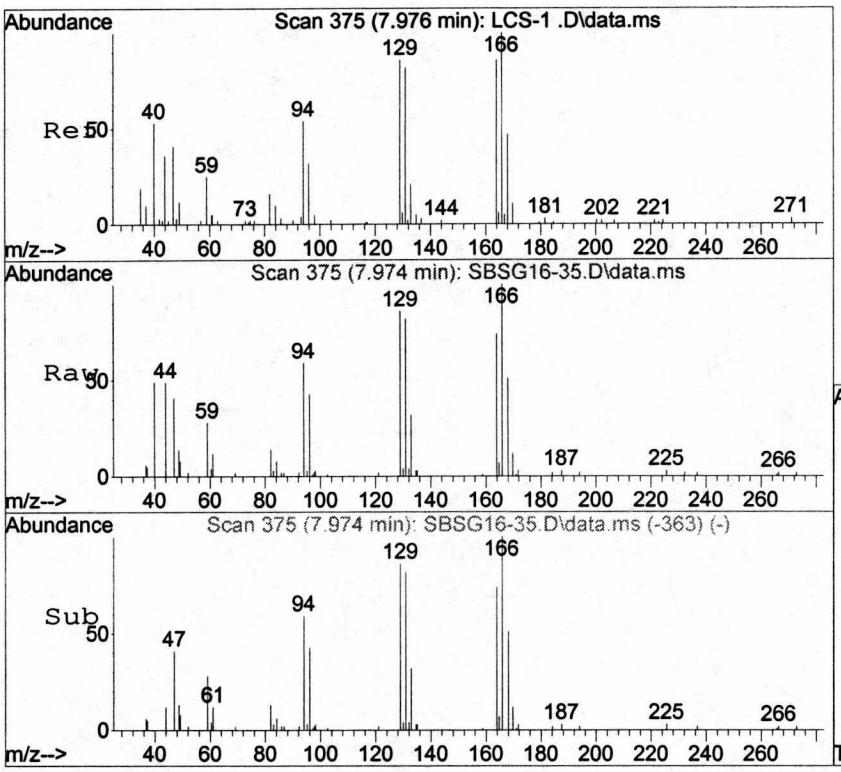


#48
Trichloroethene
Concen: 275.44 ppbv
RT: 6.566 min Scan# 279
Delta R.T. -0.002 min
Lab File: SBSG16-35.D
Acq: 25 Mar 2015 9:58

Tgt Ion: 95 Resp: 107239

Ion	Ratio	Lower	Upper
95	100		
130	122.7	84.2	126.2
132	122.4	59.5	89.3#
97	76.1	49.0	73.6#

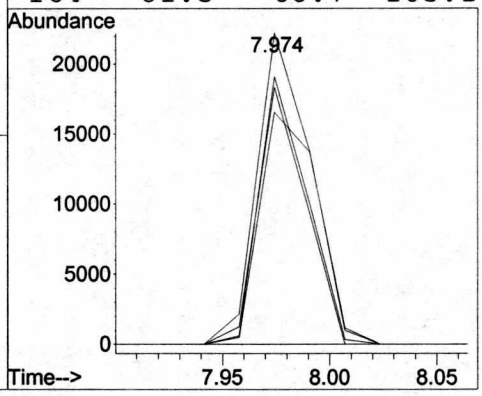




#62
Tetrachloroethene
Concen: 69.23 ppbv
RT: 7.974 min Scan# 375
Delta R.T. -0.002 min
Lab File: SBSG16-35.D
Acq: 25 Mar 2015 9:58

Tgt Ion:166 Resp: 38595

Ion	Ratio	Lower	Upper
166	100		
131	73.8	65.7	98.5
129	76.8	68.8	103.2
164	81.5	68.7	103.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\032515\
Data File : SBSG19-5.D
Acq On : 25 Mar 2015 14:23
Operator : mm
Sample : E503112-09
Misc : 1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 23 09:23:55 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Tue Mar 24 18:28:23 2015
Response via : Initial Calibration

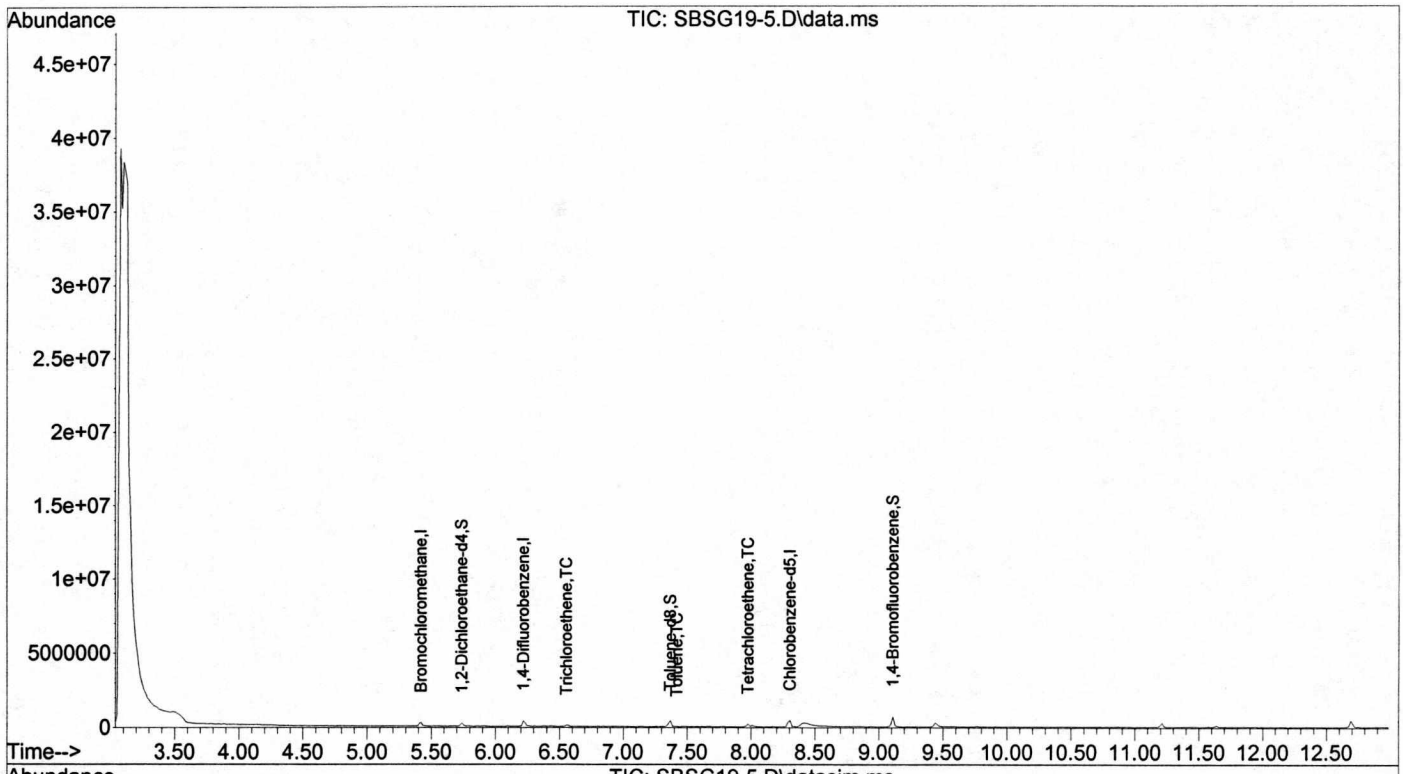
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	5.420	130	67090	209.00 ppbv	0.00
42) 1,4-Difluorobenzene	6.218	114	208890	209.00 ppbv	-0.01
63) Chlorobenzene-d5	8.305	54	64651	209.00 ppbv	0.00
System Monitoring Compounds					
36) 1,2-Dichloroethane-d4	5.738	65	122921	211.27 ppbv	0.00
Spiked Amount 209.000			Recovery	= 101.09%	
56) Toluene-d8	7.368	98	206618	222.00 ppbv	0.00
Spiked Amount 209.000			Recovery	= 106.22%	
74) 1,4-Bromofluorobenzene	9.109	95	150884	206.03 ppbv	0.00
Spiked Amount 209.000			Recovery	= 98.58%	
Target Compounds					Qvalue
48) Trichloroethene	6.555	95	17702	47.12 ppbv #	66
58) Toluene	7.418	91	5026	5.02 ppbv #	83
62) Tetrachloroethene	7.976	166	33163	61.65 ppbv	95

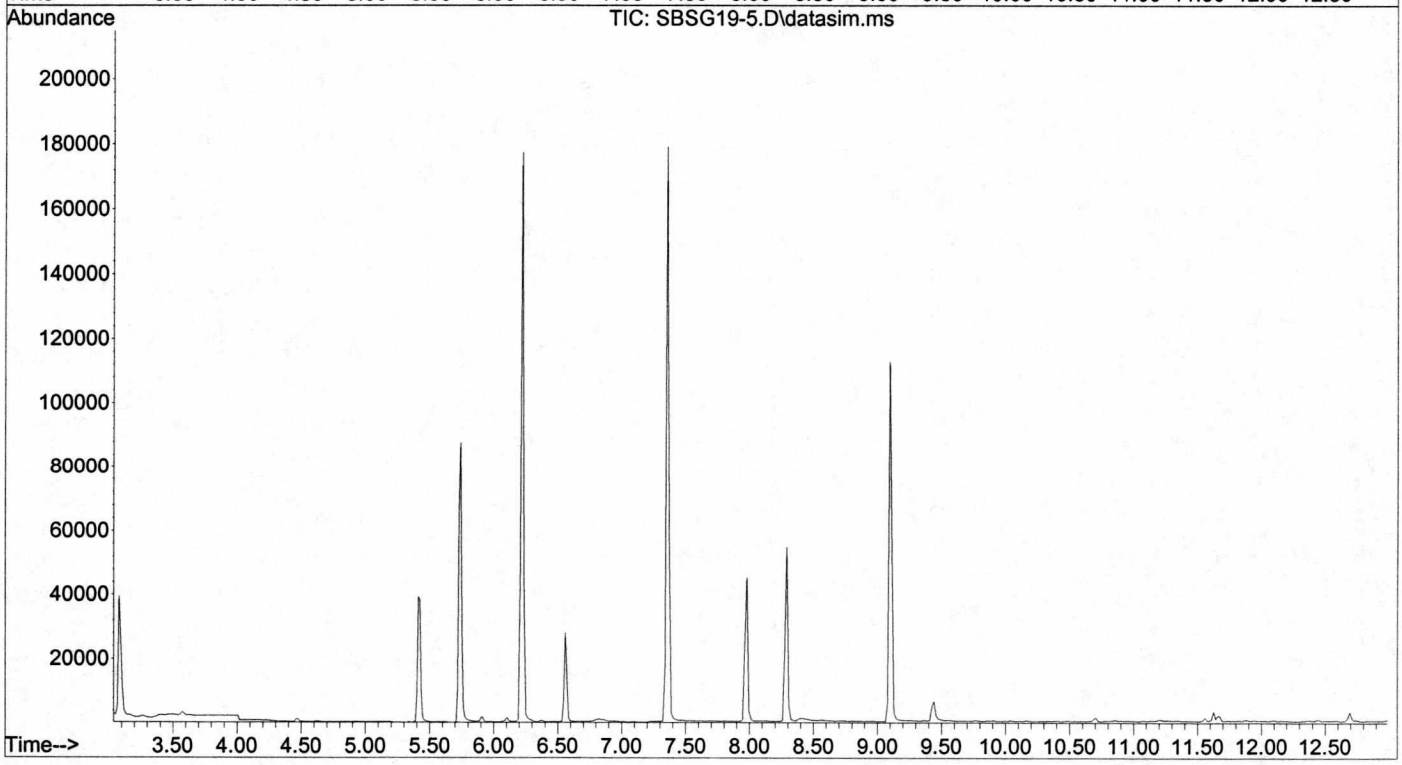
(#) = qualifier out of range (m) = manual integration (+) = signals summed

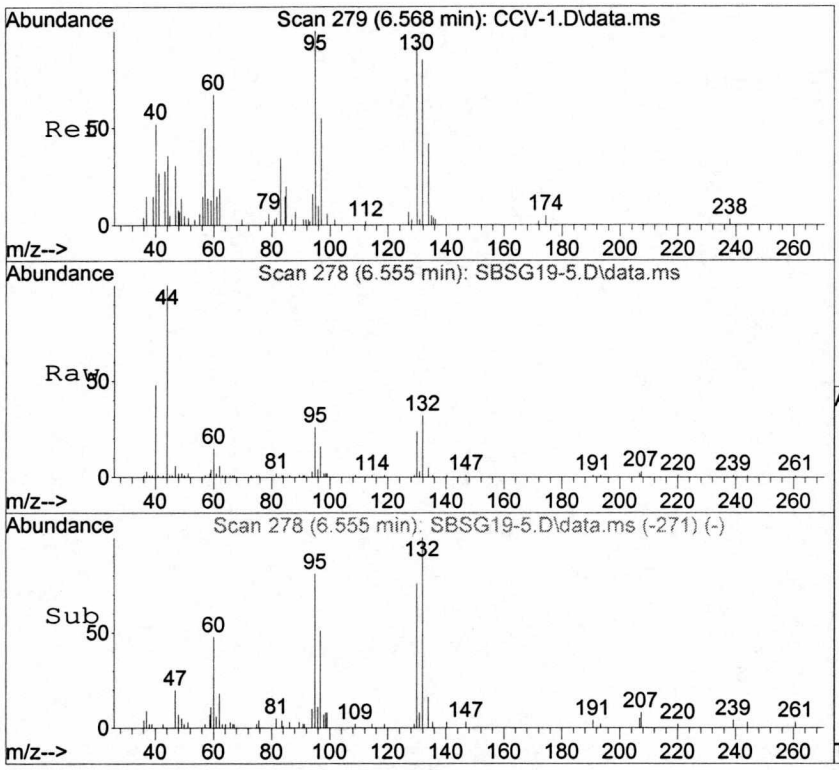
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\032515\
Data File : SBSG19-5.D
Acq On : 25 Mar 2015 14:23
Operator : mm
Sample : E503112-09
Misc : 1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 23 09:23:55 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Tue Mar 24 18:28:23 2015
Response via : Initial Calibration



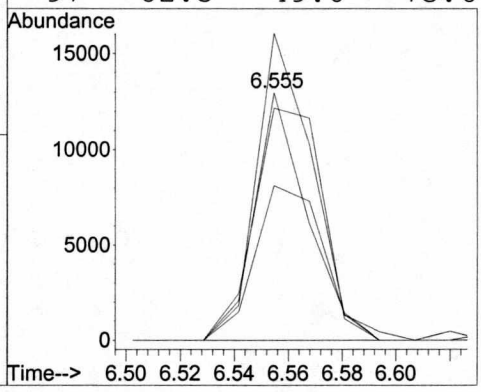


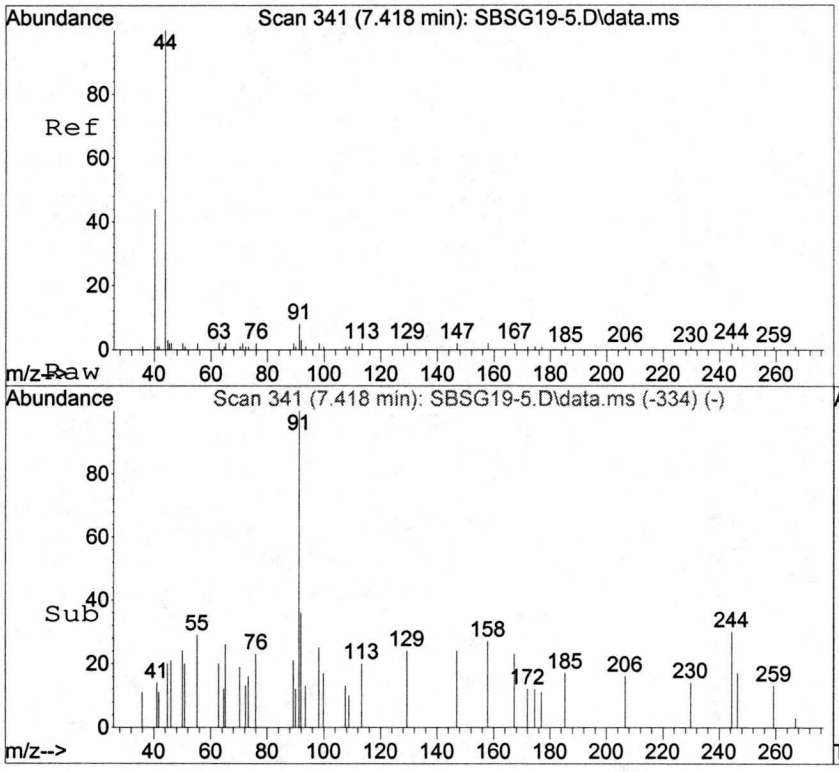


#48
Trichloroethene
Concen: 47.12 ppbv
RT: 6.555 min Scan# 278
Delta R.T. -0.013 min
Lab File: SBSG19-5.D
Acq: 25 Mar 2015 14:23

Tgt Ion: 95 Resp: 17702

Ion	Ratio	Lower	Upper
95	100		
130	121.3	84.2	126.2
132	130.5	59.5	89.3#
97	82.5	49.0	73.6#

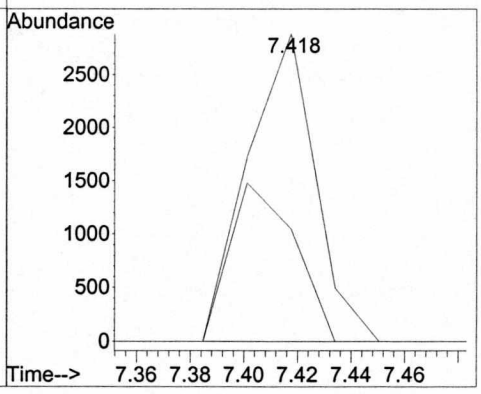


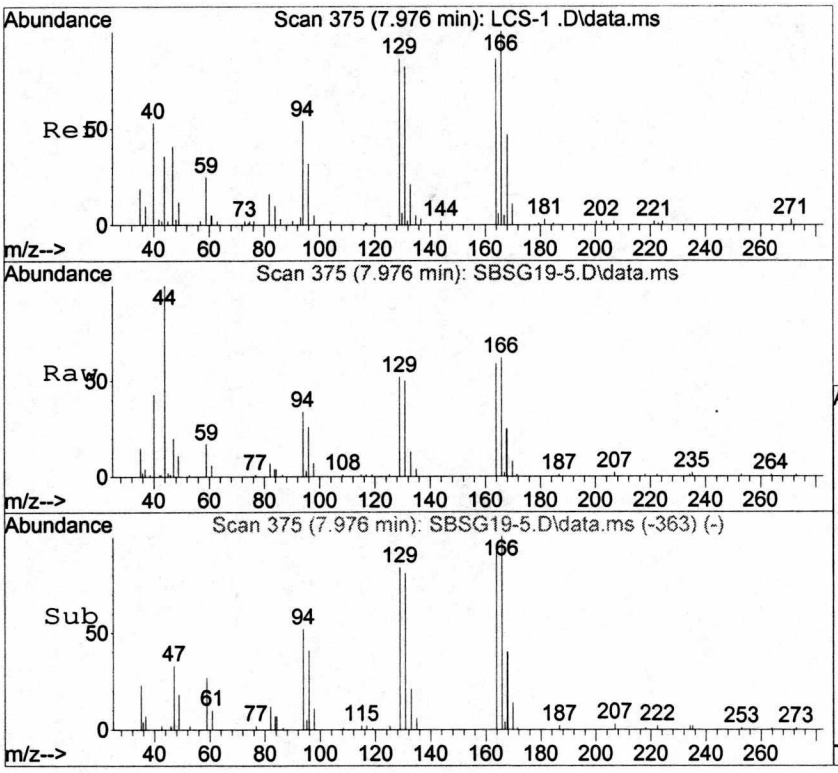


#58
Toluene
Concen: 5.02 ppbv
RT: 7.418 min Scan# 341
Delta R.T. 0.000 min
Lab File: SBSG19-5.D
Acq: 25 Mar 2015 14:23

Tgt Ion: 91 Resp: 5026

Ion	Ratio	Lower	Upper
91	100		
92	49.6	49.9	74.9#

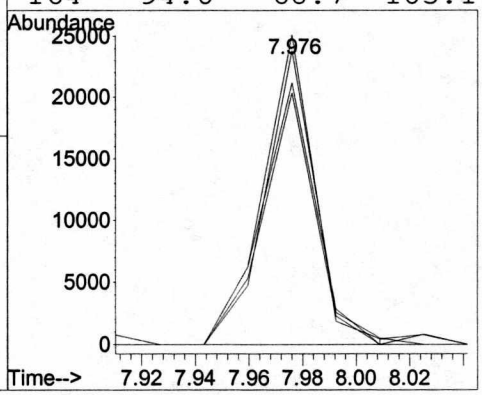




#62
Tetrachloroethene
Concen: 61.65 ppbv
RT: 7.976 min Scan# 375
Delta R.T. 0.000 min
Lab File: SBSG19-5.D
Acq: 25 Mar 2015 14:23

Tgt Ion:166 Resp: 33163

Ion	Ratio	Lower	Upper
166	100		
131	83.1	65.7	98.5
129	90.0	68.8	103.2
164	94.0	68.7	103.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\032515\
Data File : SBSG19-15 .D
Acq On : 25 Mar 2015 14:45
Operator : mm
Sample : E503112-10
Misc : 1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 23 09:25:47 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Tue Mar 24 18:28:23 2015
Response via : Initial Calibration

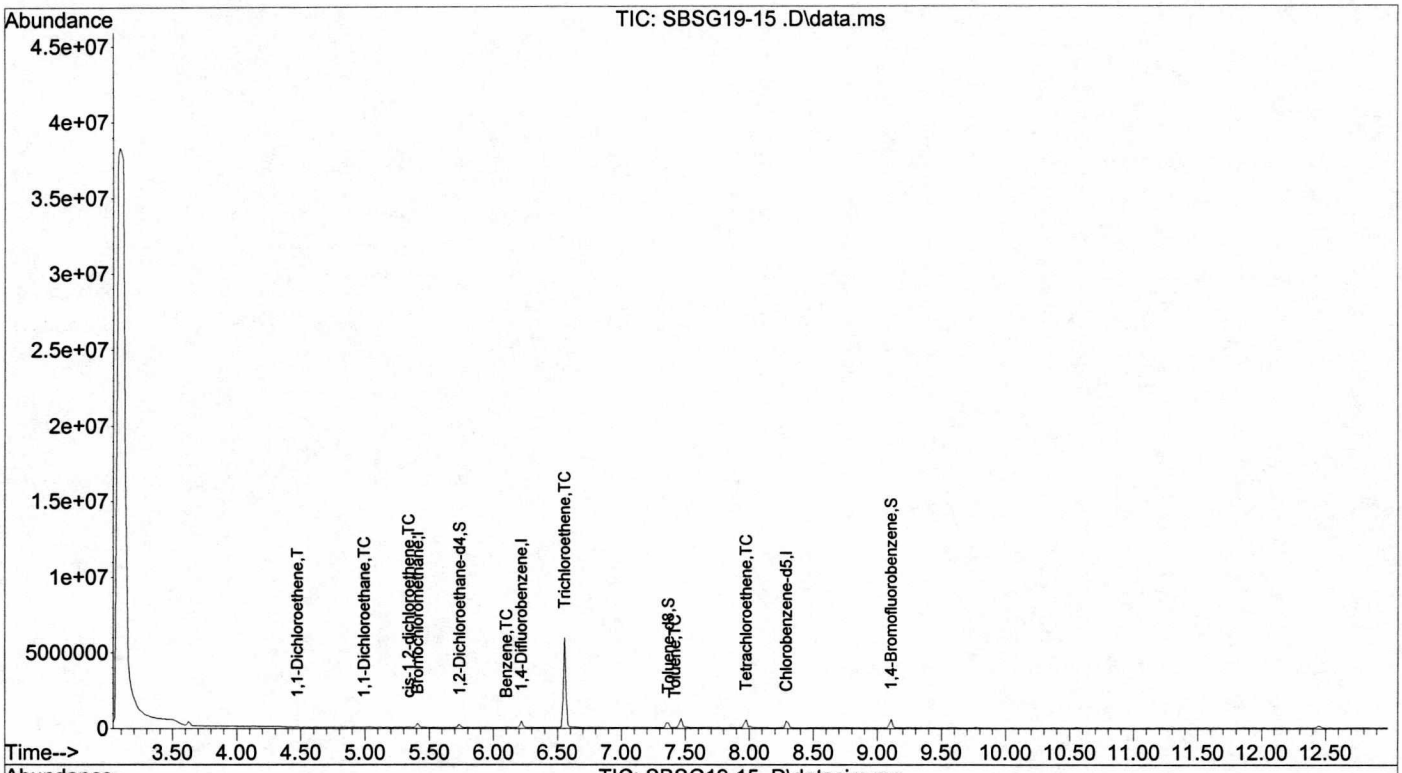
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.408	130	63468	209.00	ppbv	-0.01
42) 1,4-Difluorobenzene	6.218	114	204787	209.00	ppbv	-0.01
63) Chlorobenzene-d5	8.288	54	62181	209.00	ppbv	-0.02
System Monitoring Compounds						
36) 1,2-Dichloroethane-d4	5.738	65	120812	219.49	ppbv	0.00
Spiked Amount 209.000			Recovery	=	105.02%	
56) Toluene-d8	7.368	98	196835	215.73	ppbv	0.00
Spiked Amount 209.000			Recovery	=	103.22%	
74) 1,4-Bromofluorobenzene	9.110	95	131968	187.36	ppbv	0.00
Spiked Amount 209.000			Recovery	=	89.65%	
Target Compounds						Qvalue
18) 1,1-Dichloroethene	4.472	61	6137	11.62	ppbv #	79
24) 1,1-Dichloroethane	4.993	63	3903	6.49	ppbv #	84
28) cis-1,2-dichloroethene	5.340	61	9670	20.87	ppbv #	87
40) Benzene	6.101	78	10067	13.78	ppbv	97
48) Trichloroethene	6.555	95	1223590	3322.19	ppbv #	86
58) Toluene	7.418	91	5332	5.44	ppbv	87
62) Tetrachloroethene	7.976	166	132851	251.91	ppbv #	87

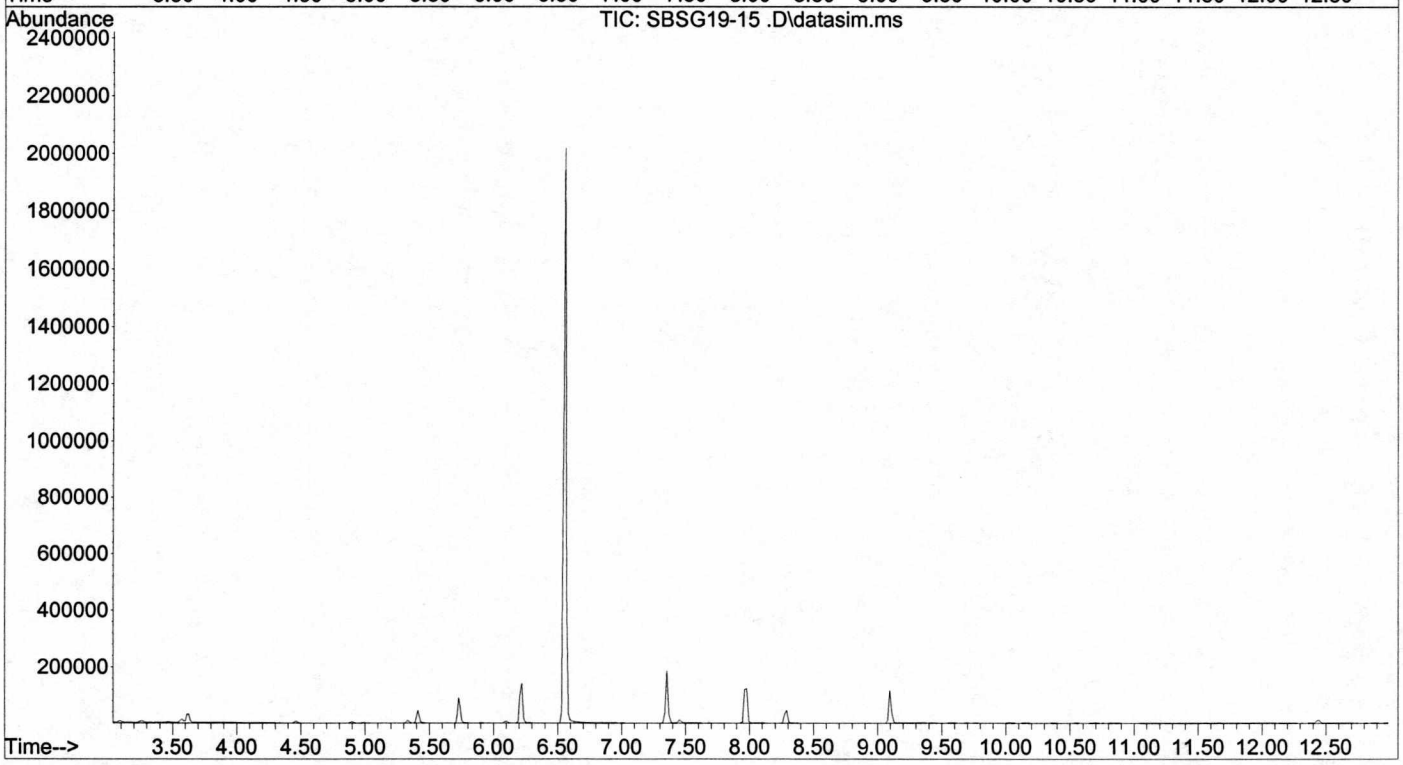
(#) = qualifier out of range (m) = manual integration (+) = signals summed

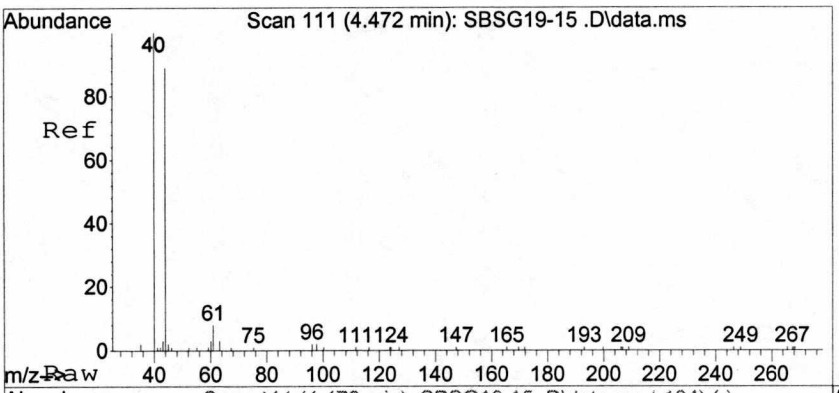
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\032515\
Data File : SBSG19-15 .D
Acq On : 25 Mar 2015 14:45
Operator : mm
Sample : E503112-10
Misc : 1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 23 09:25:47 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Tue Mar 24 18:28:23 2015
Response via : Initial Calibration



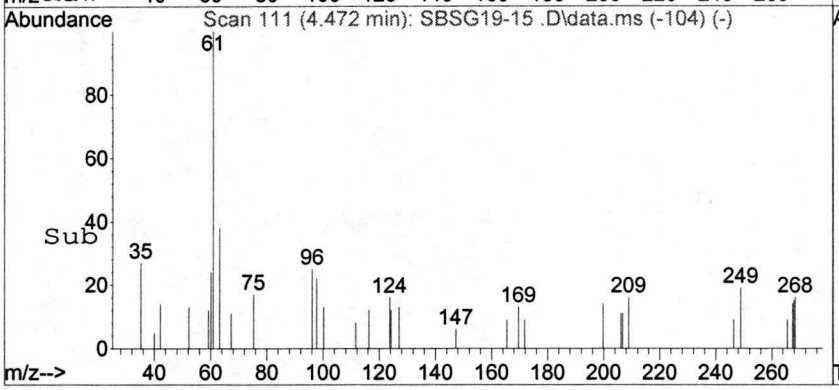


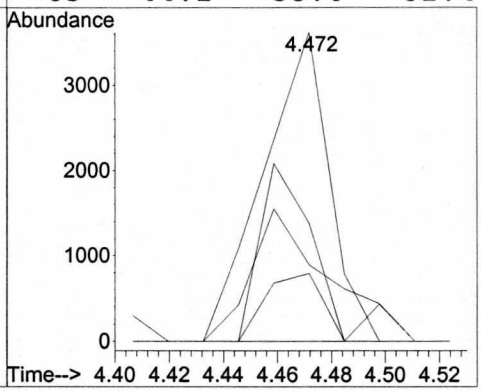


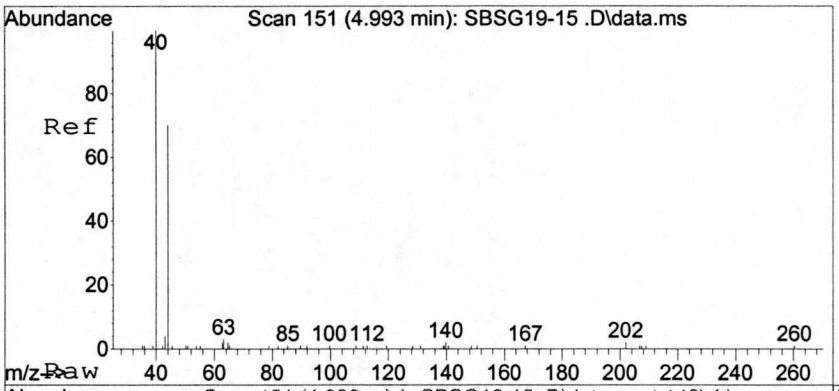
#18
1,1-Dichloroethene
Concen: 11.62 ppbv
RT: 4.472 min Scan# 111
Delta R.T. -0.013 min
Lab File: SBSG19-15 .D
Acq: 25 Mar 2015 14:45

Tgt Ion: 61 Resp: 6137

Ion	Ratio	Lower	Upper
61	100		
96	49.9	58.7	88.1#
98	18.8	29.0	43.4#
63	44.2	35.0	52.4



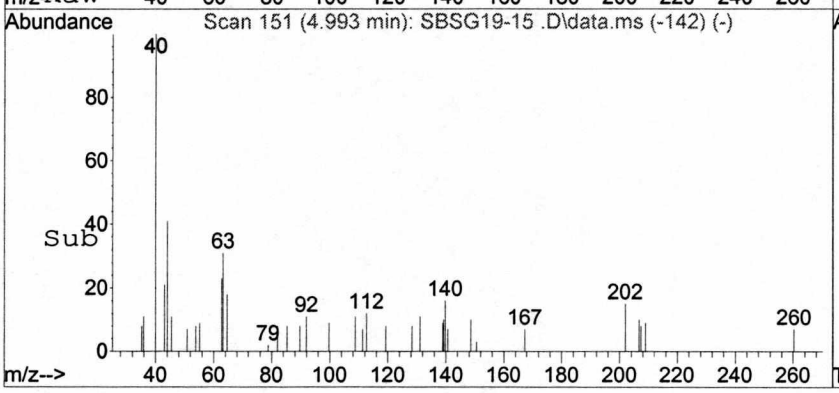


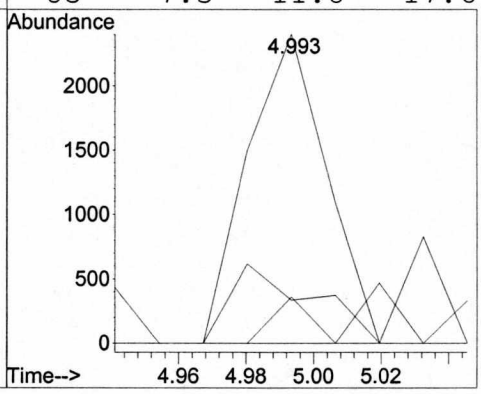


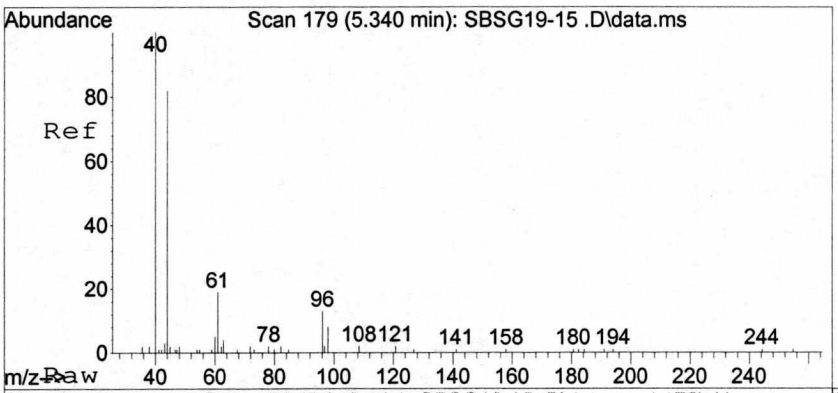
#24
1,1-Dichloroethane
Concen: 6.49 ppbv
RT: 4.993 min Scan# 151
Delta R.T. -0.002 min
Lab File: SBSG19-15 .D
Acq: 25 Mar 2015 14:45

Tgt Ion: 63 Resp: 3903

Ion	Ratio	Lower	Upper
63	100		
65	26.6	19.5	29.3
83	0.0	11.4	17.2#
85	7.3	11.8	17.6#



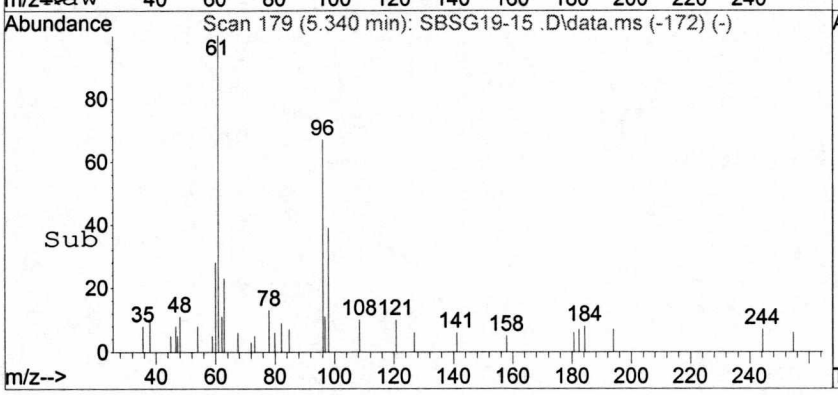


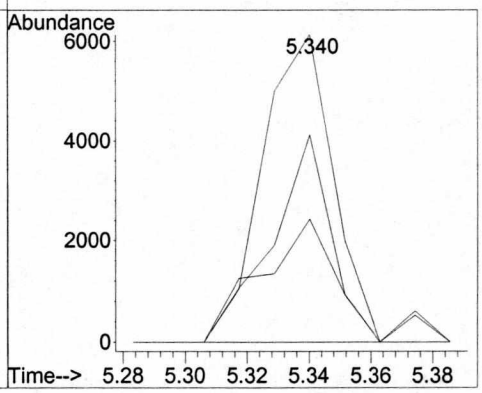


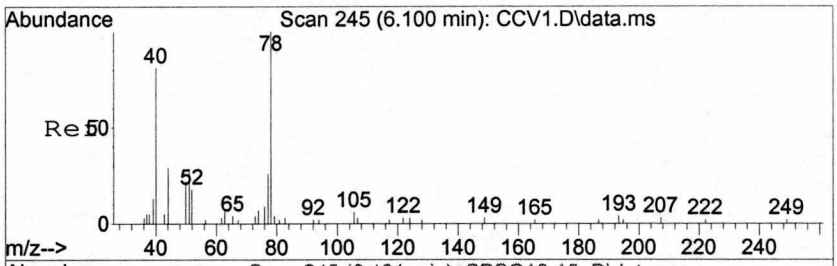
#28
cis-1,2-dichloroethene
Concen: 20.87 ppbv
RT: 5.340 min Scan# 179
Delta R.T. -0.023 min
Lab File: SBSG19-15 .D
Acq: 25 Mar 2015 14:45

Tgt Ion: 61 Resp: 9670

Ion	Ratio	Lower	Upper
61	100		
96	56.5	46.5	69.7
98	41.9	17.4	26.0#



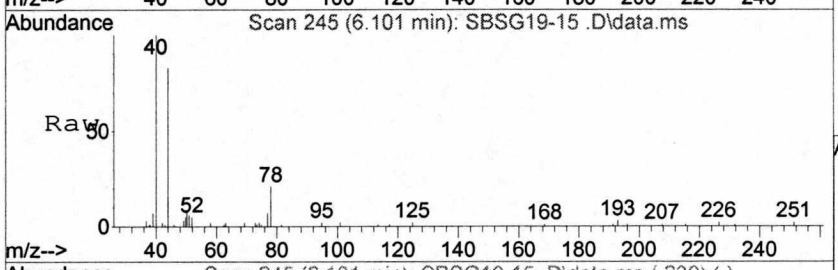


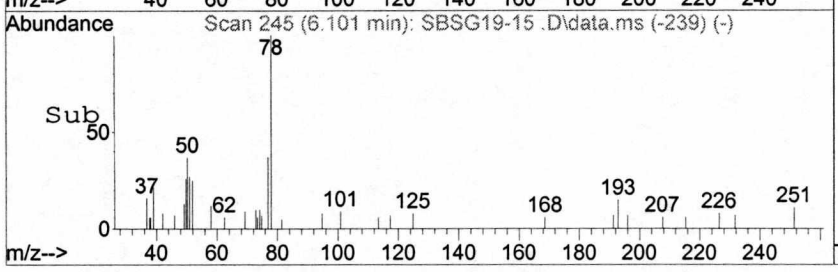


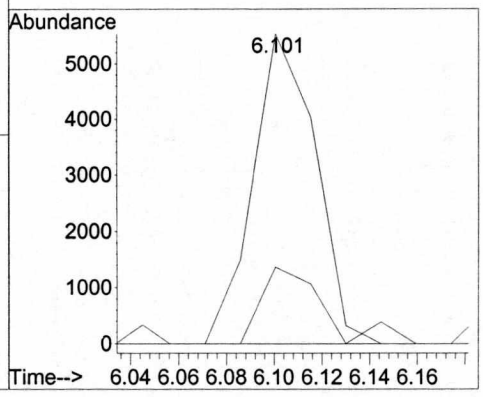
#40
Benzene
Concen: 13.78 ppbv
RT: 6.101 min Scan# 245
Delta R.T. -0.016 min
Lab File: SBSG19-15 .D
Acq: 25 Mar 2015 14:45

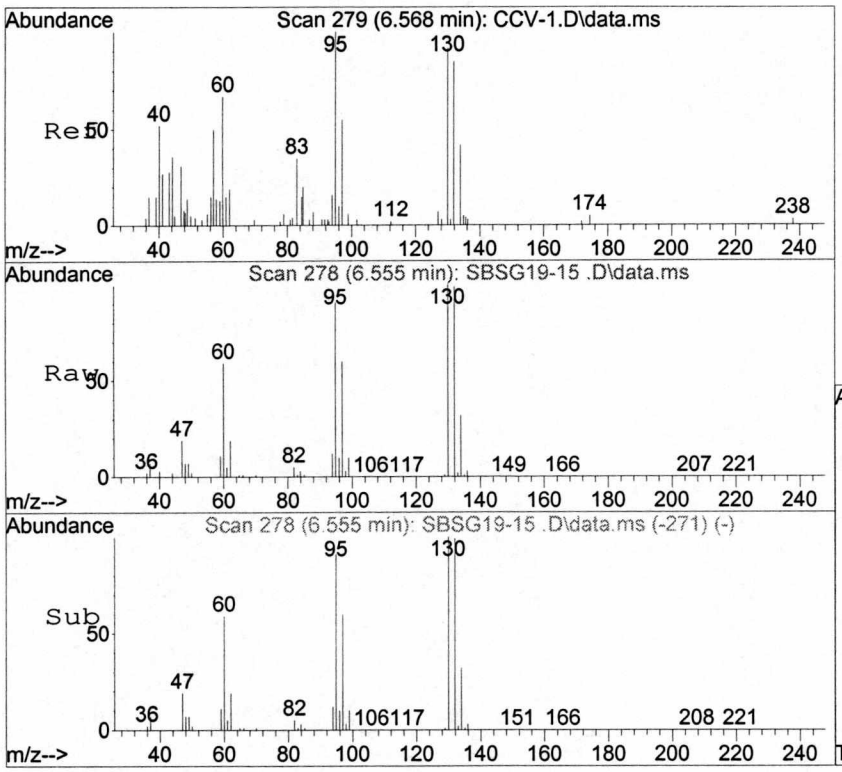
Tgt Ion: 78 Resp: 10067

Ion	Ratio	Lower	Upper
78	100		
52	21.3	16.1	24.1





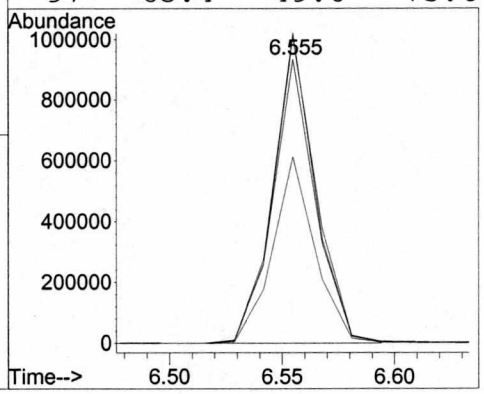


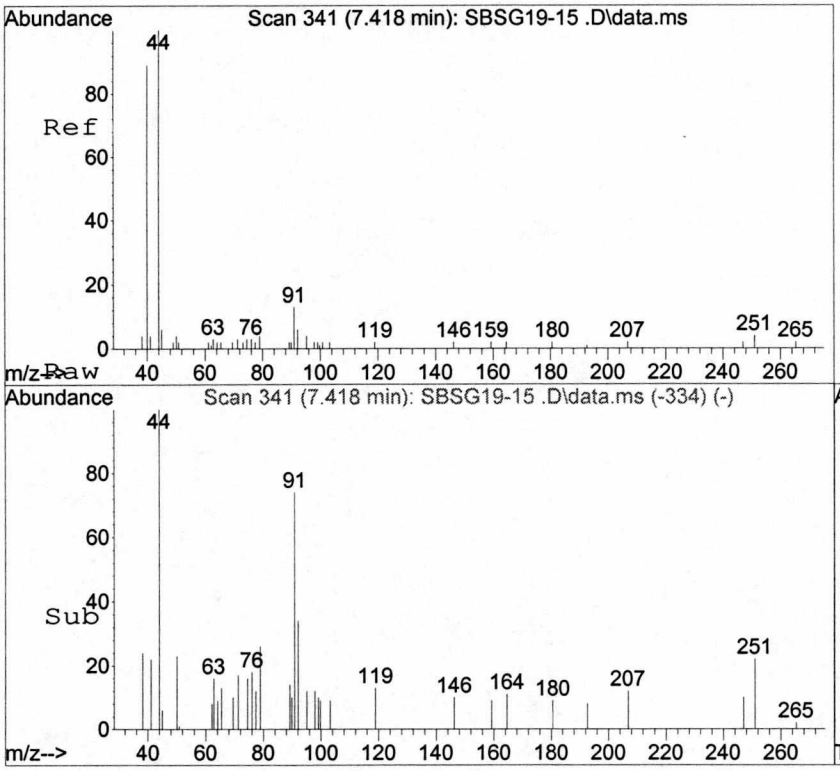


#48
Trichloroethene
Concen: 3322.19 ppbv
RT: 6.555 min Scan# 278
Delta R.T. -0.013 min
Lab File: SBSG19-15 .D
Acq: 25 Mar 2015 14:45

Tgt Ion: 95 Resp: 1223590

Ion	Ratio	Lower	Upper
95	100		
130	107.1	84.2	126.2
132	107.7	59.5	89.3#
97	65.4	49.0	73.6

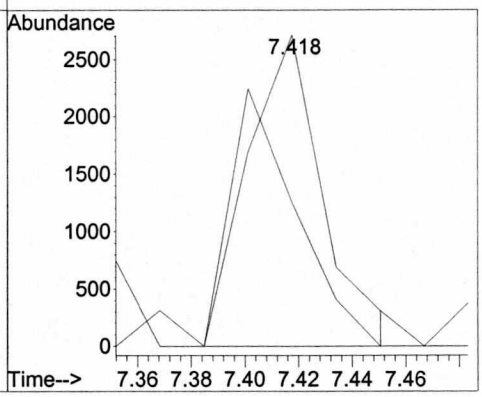


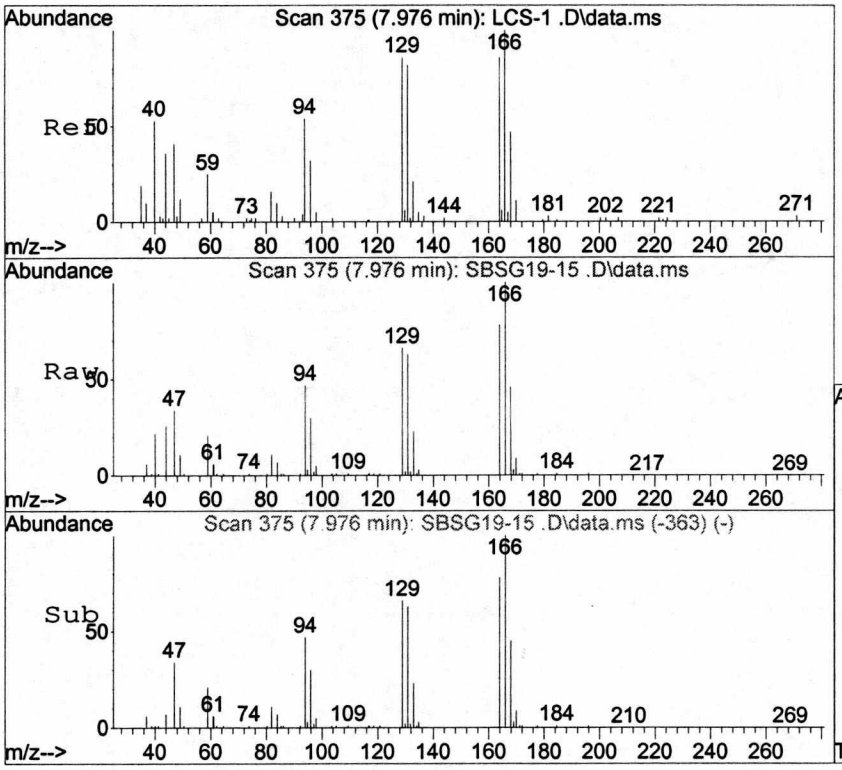


#58
Toluene
Concen: 5.44 ppbv
RT: 7.418 min Scan# 341
Delta R.T. 0.000 min
Lab File: SBSG19-15 .D
Acq: 25 Mar 2015 14:45

Tgt Ion: 91 Resp: 5332

Ion	Ratio	Lower	Upper
91	100		
92	72.1	49.9	74.9

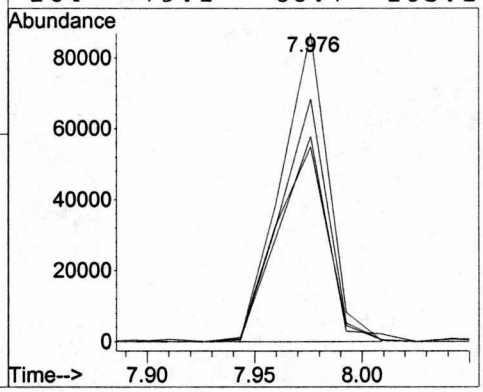




#62
Tetrachloroethene
Concen: 251.91 ppbv
RT: 7.976 min Scan# 375
Delta R.T. 0.000 min
Lab File: SBSG19-15 .D
Acq: 25 Mar 2015 14:45

Tgt Ion:166 Resp: 132851

Ion	Ratio	Lower	Upper
166	100		
131	69.5	65.7	98.5
129	68.6	68.8	103.2#
164	79.1	68.7	103.1



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\032515\
Data File : SBSG19-15 R.D
Acq On : 25 Mar 2015 15:13
Operator : mm
Sample : E503112-10
Misc : 10
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 25 15:27:51 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Tue Mar 24 18:28:23 2015
Response via : Initial Calibration

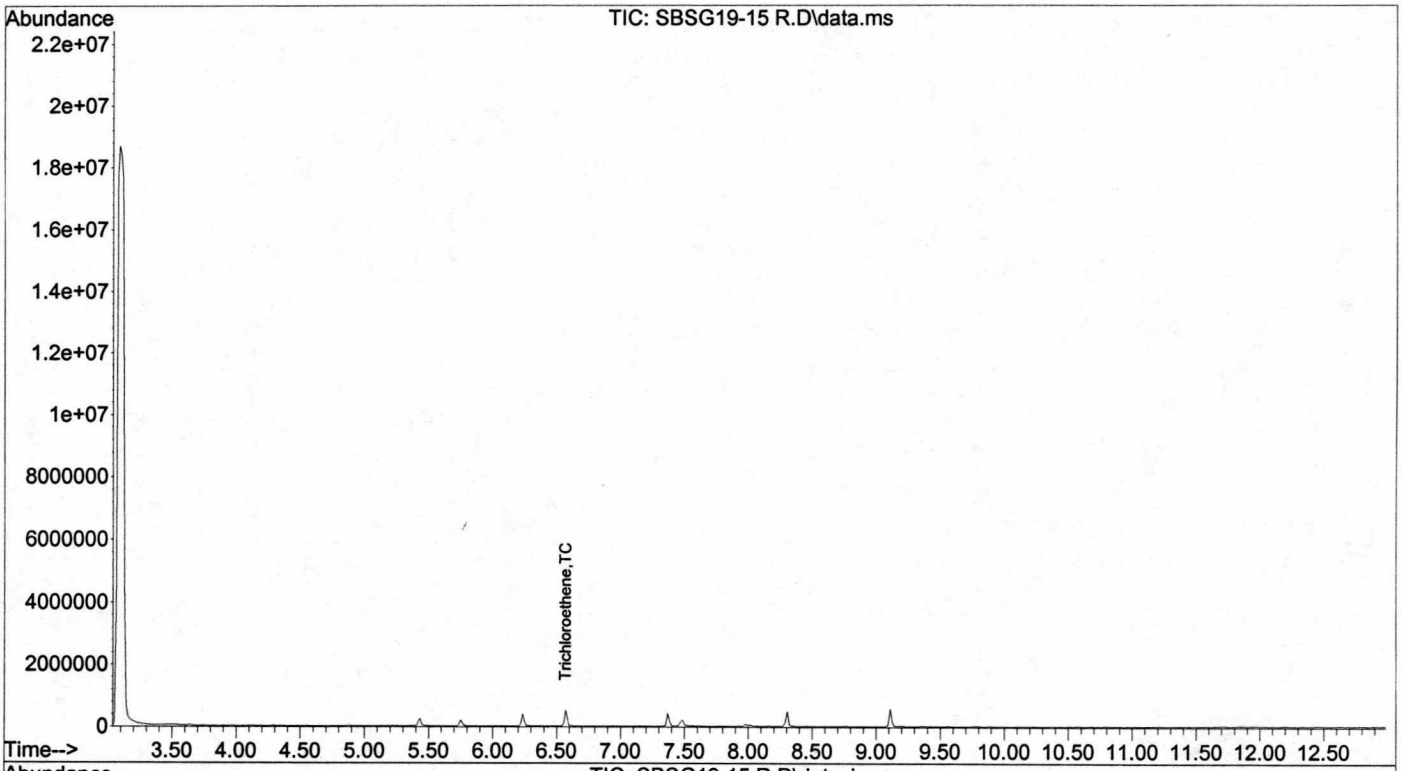
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.431	130	55382	209.00	ppbv	0.01
42) 1,4-Difluorobenzene	6.233	114	196828	209.00	ppbv	0.00
63) Chlorobenzene-d5	8.305	54	59104	209.00	ppbv	0.00
System Monitoring Compounds						
36) 1,2-Dichloroethane-d4	5.749	65	115595	240.68	ppbv	0.01
Spiked Amount 209.000			Recovery	=	115.16%	
56) Toluene-d8	7.368	98	191936	218.86	ppbv	0.00
Spiked Amount 209.000			Recovery	=	104.72%	
74) 1,4-Bromofluorobenzene	9.109	95	120645	180.20	ppbv	0.00
Spiked Amount 209.000			Recovery	=	86.22%	
Target Compounds						Qvalue
48) Trichloroethene	6.568	95	110874	313.21	ppbv #	84

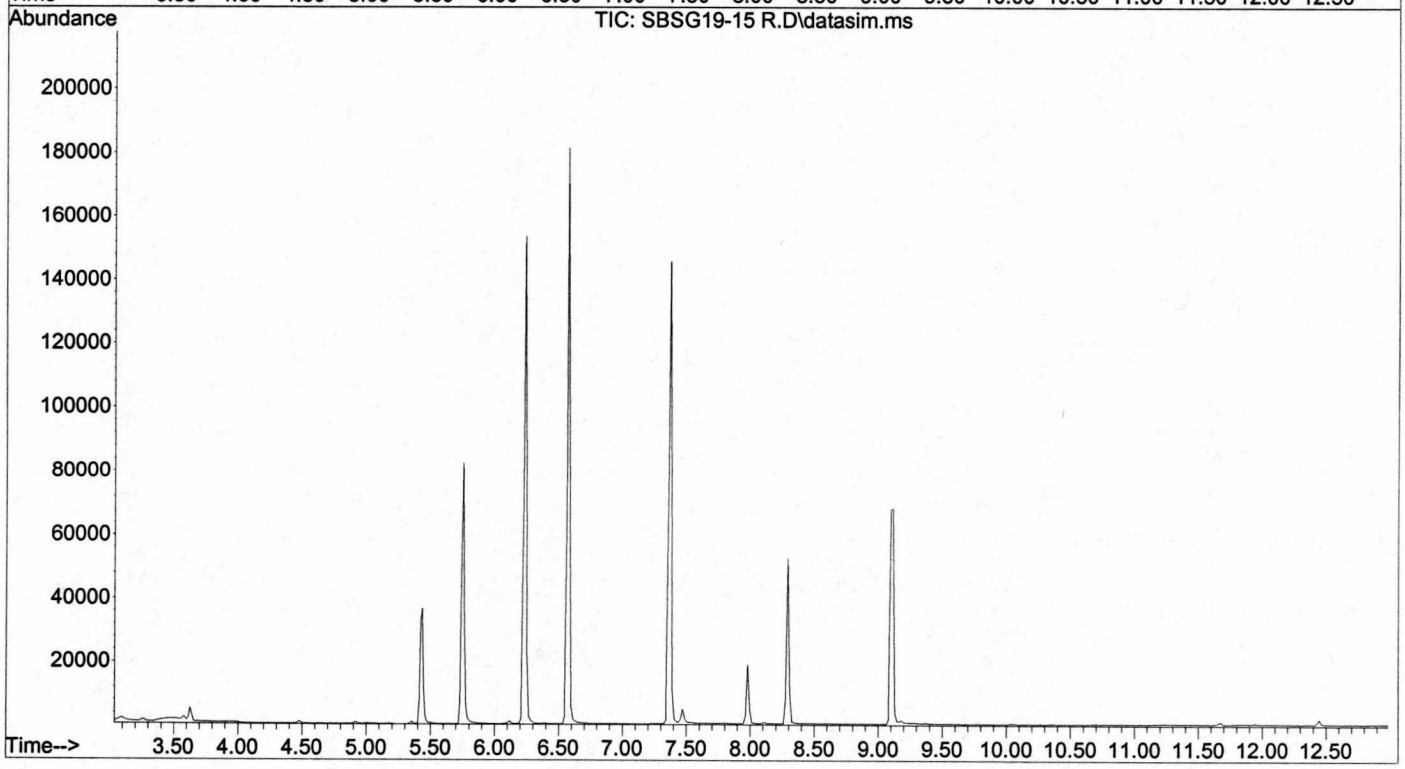
(#) = qualifier out of range (m) = manual integration (+) = signals summed

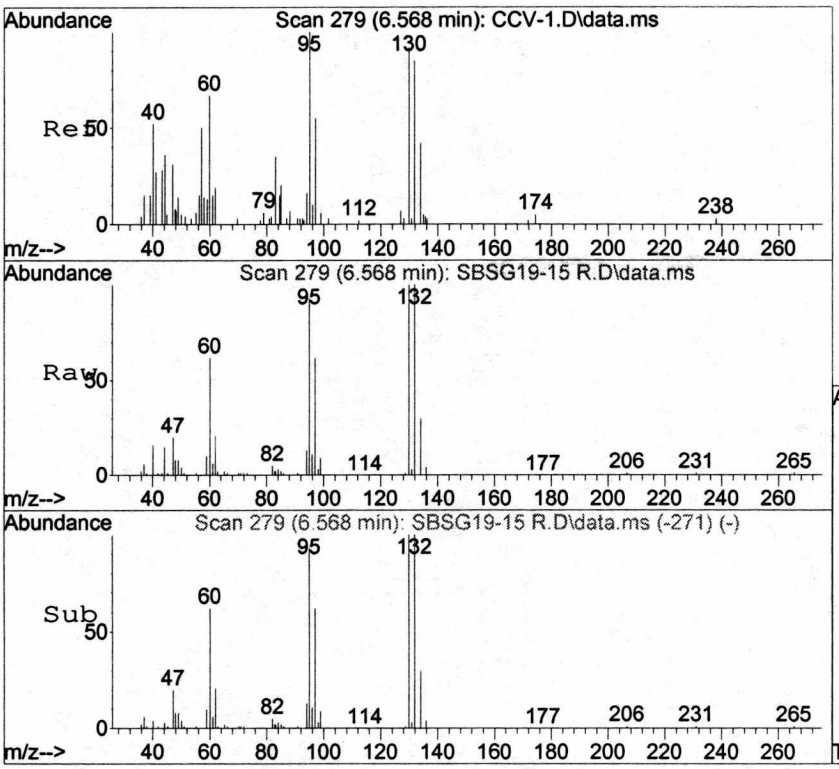
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\032515\
Data File : SBSG19-15 R.D
Acq On : 25 Mar 2015 15:13
Operator : mm
Sample : E503112-10
Misc : 10
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 25 15:27:51 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Tue Mar 24 18:28:23 2015
Response via : Initial Calibration



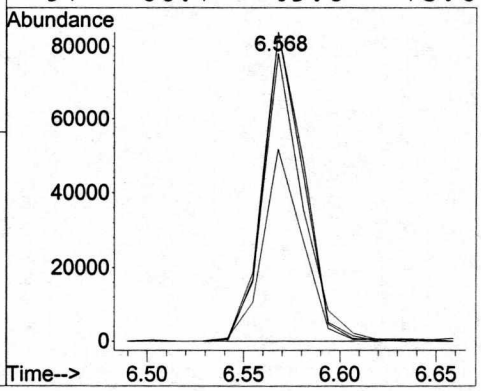




#48
Trichloroethene
Concen: 313.21 ppbv
RT: 6.568 min Scan# 279
Delta R.T. 0.000 min
Lab File: SBSG19-15 R.D
Acq: 25 Mar 2015 15:13

Tgt Ion: 95 Resp: 110874

Ion	Ratio	Lower	Upper
95	100		
130	109.9	84.2	126.2
132	108.3	59.5	89.3#
97	66.7	49.0	73.6



Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\032515\
Data File : LCS-1.D
Acq On : 25 Mar 2015 15:36
Operator : mm
Sample : EC52502-BS1
Misc : 1,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 25 16:25:37 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Tue Mar 24 18:28:23 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	91	-0.01
2	T	1,1,1 Trifluoroethane	0.868	0.900	-3.7	102	-0.03
3	T	1,1,1,2 Tetrafluoroethane	1.164	1.270	-9.1	98	-0.01
4	T	1,1-Difluoroethane	1.148	0.990	13.8	86	-0.01
5	T	Propene	0.773	0.742	4.0	113	-0.01
6	T	Dichlorodifluoromethane	3.007	2.948	2.0	112	0.00
7	T	Chloromethane	1.026	1.121	-9.3	138	-0.03
8	T	Dichlorotetrafluoroethane	2.835	2.655	6.3	103	-0.03
9	T	Vinyl Chloride	0.945	0.824	12.8	84	-0.01
10	T	1,3-Butadiene~39	0.967	0.990	-2.4	93	0.00
11	T	1,3-Butadiene~54	0.821	0.714	13.0	87	0.03
12	T	Bromomethane	0.941	0.049	94.8#	7#	0.01
13	T	Chloroethane	0.455	0.336	26.2	94	-0.03
14	T	Ethanol	0.397	0.000	100.0#	0#	-3.94#
15	T	Trichlorofluoromethane	3.596	3.769	-4.8	111	-0.01
16	T	Acetone	1.657	0.454	72.6#	28#	-0.01
17	T	Isopropyl alcohol	2.480	1.606	35.2#	65	-0.01
18	T	1,1-Dichloroethene	1.740	1.496	14.0	87	-0.03
19	TC	tert-Butyl Alcohol	2.821	1.957	30.6#	74	-0.03
20	TC	Methylene Chloride	0.654	0.682	-4.3	108	-0.03
21	TC	1,1,2-Trichlorotrifluoroeth	2.085	1.972	5.4	98	-0.03
22	TC	Carbon Disulfide	2.340	2.110	9.8	99	0.00
23	TC	trans-1,2-Dichloroethene	1.636	1.424	13.0	104	-0.01
24	TC	1,1-Dichloroethane	1.980	1.887	4.7#	100	0.00
25	TC	Methyl tert-Butyl Ether	2.939	2.536	13.7	95	-0.02
26	TC	Vinyl Acetate	3.995	2.680	32.9#	85	-0.01
27	TC	2-Butanone	0.342	0.110	67.8#	74	0.01
28	TC	cis-1,2-dichloroethene	1.526	1.295	15.1	80	-0.03
29	TC	Di-Isopropyl Ether	4.623	3.429	25.8	83	-0.01
30	TC	Ethyl Acetate	5.744	5.256	8.5	97	-0.02
31	TC	n-Hexane	1.472	1.020	30.7#	71	-0.02
32	TC	Chloroform	2.276	1.938	14.9	94	-0.01
33		2,2 Dichloropropane	2.362	1.924	18.5	85	-0.01
34	TC	Ethyl tert-Butyl Ether	3.734	2.846	23.8#	83	-0.01
35	TC	Tetrahydrofuran	0.343	0.316	7.9	124	-0.02
36	S	1,2-Dichloroethane-d4	1.813	1.956	-7.9	99	0.00
37	TC	1,2-Dichloroethane	1.916	2.021	-5.5	102	0.00
38	TC	1,1,1-Trichloroethane	2.872	2.769	3.6	101	-0.01
39		1,1-Dichloropropene	1.693	1.391	17.8	90	-0.01
40	TC	Benzene	2.405	2.064	14.2	103	-0.01
41	TC	Carbon Tetrachloride	3.185	3.364	-5.6	97	0.00
42	I	1,4-Difluorobenzene	1.000	1.000	0.0	86	0.00
43	TC	Cyclohexane	0.314	0.320	-1.9	84	0.06
44	TC	tert-Amyl Methyl Ether	0.815	0.656	19.5	86	0.00
45		Dibromomethane	0.328	0.390	-18.9	116	0.00
46	TC	1,2-Dichloropropane	0.277	0.312	-12.6	144#	0.00
47	TC	Bromodichloromethane	0.744	0.829	-11.4#	105	0.01
48	TC	Trichloroethene	0.376	0.403	-7.2	83	0.00
49	TC	1,4-Dioxane	0.171	0.007	95.9#	5#	-0.02

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\032515\
Data File : LCS-1.D
Acq On : 25 Mar 2015 15:36
Operator : mm
Sample : EC52502-BS1
Misc : 1,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 25 16:25:37 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Tue Mar 24 18:28:23 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50	TC	2,2,4-Trimethylpentane	1.381	1.091	21.0#	81	-0.01
51	TC	n-Heptane	0.226	0.197	12.8#	79	-0.01
52	TC	cis-1,3-Dichloropropene	0.487	0.366	24.8	84	0.00
53	TC	4-Methyl-2-Pentanone	0.905	0.829	8.4	101	0.00
54	TC	trans-1,3-Dichloropene	0.523	0.435	16.8	89	0.02
55	TC	1,1,2-Trichloroethane	0.316	0.294	7.0	92	0.02
56	S	Toluene-d8	0.931	0.939	-0.9	82	0.02
57		1,3 Dichloropropane	0.433	0.395	8.8	78	0.00
58	TC	Toluene	1.001	0.877	12.4#	87	0.02
59	TC	2-Hexanone	0.794	0.657	17.3#	90	0.02
60	TC	Dibromochloromethane	0.804	0.746	7.2#	91	0.00
61	TC	1,2-Dibromoethane	0.545	0.467	14.3	85	0.00
62	TC	Tetrachloroethene	0.538	0.707	-31.4#	160#	0.02
63	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.02
64	TC	1,1,1,2 Tetrachloroethane	1.687	1.833	-8.7	112	0.02
65	TC	Chlorobenzene	2.561	2.086	18.5	89	0.02
66	TC	Ethylbenzene	4.562	3.017	33.9#	72	0.02
67	TC	m,p-xylene	3.535	2.633	25.5	96	0.02
68	TC	Bromoform	2.706	2.466	8.9#	111	0.03
69	TC	Styrene	2.595	1.496	42.4#	70	0.02
70	TC	1,1,2,2-Tetrachloroethane	2.007	1.812	9.7	124	0.02
71	TC	o-xylene	3.634	2.466	32.1#	77	0.02
72		1,2,3-Trichloropropane	1.826	1.520	16.8	103	0.02
73		Isopropylbenzene	4.912	4.145	15.6	93	0.02
74	S	1,4-Bromofluorobenzene	2.368	2.026	14.4	83	0.02
75		Bromobenzene	1.852	1.495	19.3	94	0.02
76		2-Chlorotoluene	1.313	1.151	12.3	96	0.02
77		n-Propylbenzene	12.058	9.755	19.1	117	0.02
78		4-Chlorotoluene	1.010	0.931	7.8	105	0.02
79	TC	4-Ethyltoluene	4.729	3.716	21.4#	103	0.07
80	TC	1,3,5-Trimethylbenzene	4.107	2.924	28.8	87	0.03
81	TC	1,2,4-Trimethylbenzene	3.980	2.872	27.8	89	0.05
82		tert-Butylbenzene	4.530	3.024	33.2#	87	0.03
83	TC	Benzyl Chloride	3.844	2.147	44.1#	80	0.03
84	TC	1,3-Dichlorobenzene	3.392	2.143	36.8#	78	0.03
85	TC	1,4-Dichlorobenzene	2.633	2.340	11.1	138	0.03
86		sec-Butylbenzene	5.526	3.725	32.6#	81	0.03
87	TC	p-Isopropyltoluene	5.075	3.345	34.1#	87	0.03
88	TC	1,2-Dichlorobenzene	2.667	2.220	16.8	108	0.03
89		n-Butylbenzene	3.839	2.583	32.7#	70	0.03
90		1,2 Dibromo-3-chloropropane	1.523	1.269	16.7	96	0.03
91	TC	1,2,4-Trichlorobenzene	2.044	1.648	19.4#	110	0.02
92	TC	Naphthalene	4.086	2.876	29.6	105	0.02
93		1,2,3-Trichlorobenzene	1.714	1.563	8.8	117	0.02
94	TC	Hexachlorobutadiene	1.655	1.691	-2.2	151#	0.03

(#) = Out of Range SPCC's out = 0 CCC's out = 23

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\032515\
Data File : LCS-1.D
Acq On : 25 Mar 2015 15:36
Operator : mm
Sample : EC52502-BS1
Misc : 1,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 25 16:25:37 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Tue Mar 24 18:28:23 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.408	130	60629	209.00	ppbv	-0.01
42) 1,4-Difluorobenzene	6.218	114	204012	209.00	ppbv	-0.01
63) Chlorobenzene-d5	8.288	54	69367	209.00	ppbv	-0.02
System Monitoring Compounds						
36) 1,2-Dichloroethane-d4	5.738	65	118615	225.59	ppbv	0.00
Spiked Amount 209.000			Recovery	=	107.94%	
56) Toluene-d8	7.368	98	191562	210.74	ppbv	0.00
Spiked Amount 209.000			Recovery	=	100.83%	
74) 1,4-Bromofluorobenzene	9.110	95	140564	178.89	ppbv	0.00
Spiked Amount 209.000			Recovery	=	85.59%	
Target Compounds						Qvalue
2) 1,1,1 Trifluoroethane	3.116	65	13058	51.84	ppbv #	20
3) 1,1,1,2 Tetrafluoroethane	3.155	83	18415	54.55	ppbv #	1
4) 1,1-Difluoroethane	3.194	51	14355	43.09	ppbv #	67
5) Propene	3.246	41	10756	47.96	ppbv	93
6) Dichlorodifluoromethane	3.298	85	42753	49.01	ppbv #	84
7) Chloromethane	3.389	50	16256	54.61	ppbv #	72
8) Dichlorotetrafluoroethane	3.441	85	38504	46.81	ppbv	98
9) Vinyl Chloride	3.520	62	11956	43.62	ppbv	89
10) 1,3-Butadiene~39	3.598	39	14362	51.20	ppbv #	71
11) 1,3-Butadiene~54	3.598	54	10359	43.51	ppbv #	73
13) Chloroethane	3.820	64	4877	36.95	ppbv #	66
15) Trichlorofluoromethane	4.185	101	54664	52.40	ppbv	100
16) Acetone	4.172	43	6592	13.71	ppbv #	61
17) Isopropyl alcohol	4.237	45	23294	32.38	ppbv #	82
18) 1,1-Dichloroethene	4.459	61	21701	43.00	ppbv #	79
19) tert-Butyl Alcohol	4.485	59	28391	34.69	ppbv #	57
20) Methylene Chloride	4.498	84	9888	52.13	ppbv #	86
21) 1,1,2-Trichlorotrifluo...	4.615	101	28600	47.28	ppbv #	82
22) Carbon Disulfide	4.680	76	30598	45.08	ppbv #	76
23) trans-1,2-Dichloroethene	4.902	61	20653	43.52	ppbv #	74
24) 1,1-Dichloroethane	4.993	63	27363	47.64	ppbv #	87
25) Methyl tert-Butyl Ether	5.019	73	36781	43.14	ppbv #	88
26) Vinyl Acetate	5.032	43	38870	33.54	ppbv #	85
27) 2-Butanone	5.215	72	1599	16.12	ppbv #	1
28) cis-1,2-dichloroethene	5.329	61	18786	42.44	ppbv #	86
29) Di-Isopropyl Ether	5.408	45	49735	37.09	ppbv #	12
30) Ethyl Acetate	5.408	43	76239	45.76	ppbv #	90
31) n-Hexane	5.420	57	14797	34.66	ppbv #	58
32) Chloroform	5.454	83	28109	42.57	ppbv #	51
33) 2,2 Dichloropropane	5.488	77	27903	40.73	ppbv #	85
34) Ethyl tert-Butyl Ether	5.636	59	41283	38.12	ppbv #	93
35) Tetrahydrofuran	5.670	71	4587	46.12	ppbv #	75
37) 1,2-Dichloroethane	5.784	62	29319	52.74	ppbv #	96
38) 1,1,1-Trichloroethane	5.909	97	40168	48.21	ppbv #	94
39) 1,1-Dichloropropene	6.034	75	20179	41.08	ppbv #	78
40) Benzene	6.101	78	29933	42.91	ppbv #	91
41) Carbon Tetrachloride	6.174	117	48798	52.81	ppbv #	89
43) Cyclohexane	6.233	84	15632	51.01	ppbv	86
44) tert-Amyl Methyl Ether	6.333	73	32017	40.23	ppbv #	77
45) Dibromomethane	6.437	93	19046	59.56	ppbv #	50
46) 1,2-Dichloropropane	6.463	63	15239	56.35	ppbv #	81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\032515\
Data File : LCS-1.D
Acq On : 25 Mar 2015 15:36
Operator : mm
Sample : EC52502-BS1
Misc : 1,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 25 16:25:37 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Tue Mar 24 18:28:23 2015
Response via : Initial Calibration

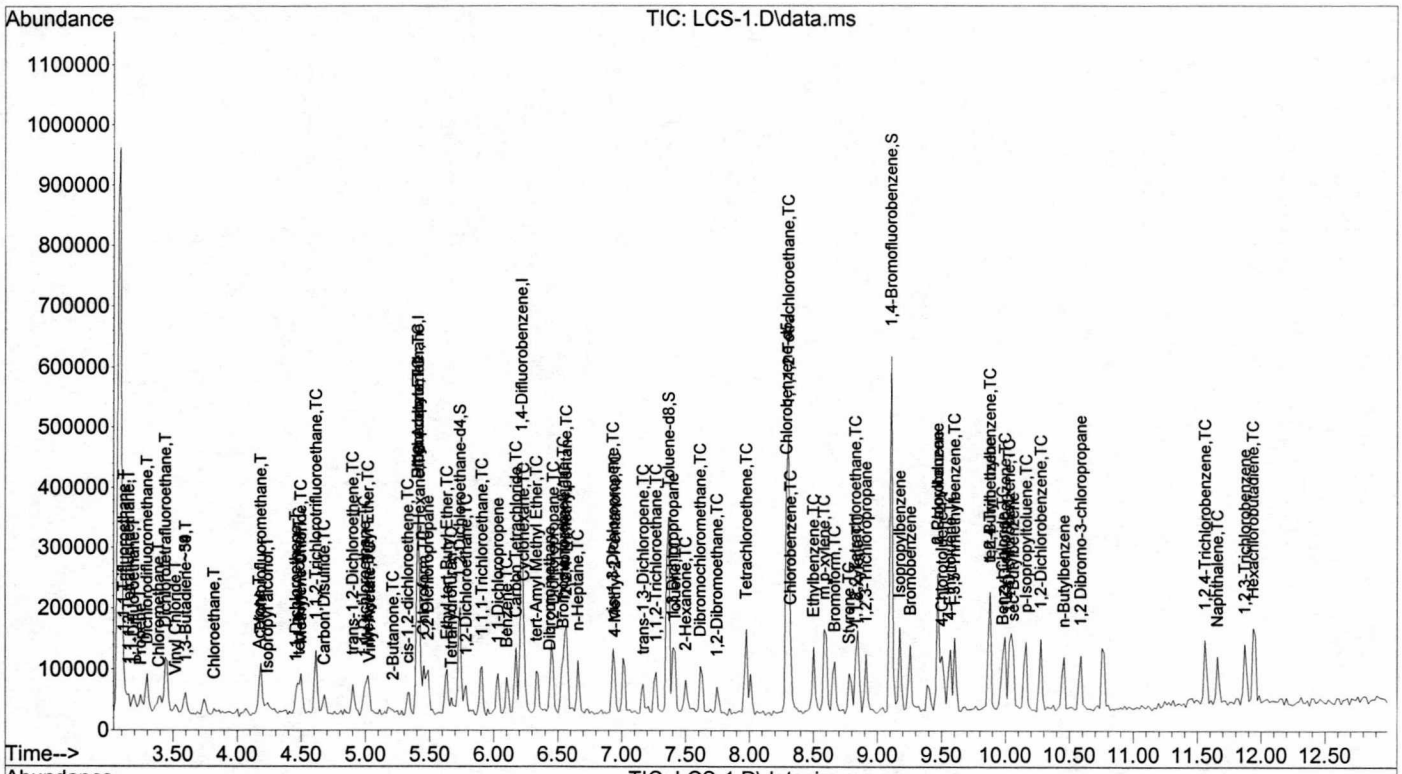
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
47) Bromodichloromethane	6.542	83	40479	55.76 ppbv	98
48) Trichloroethene	6.555	95	19647	53.55 ppbv #	78
50) 2,2,4-Trimethylpentane	6.568	57	53232	39.49 ppbv	100
51) n-Heptane	6.659	71	9634	43.60 ppbv #	48
52) cis-1,3-Dichloropropene	6.933	75	17873	37.62 ppbv #	88
53) 4-Methyl-2-Pentanone	6.946	43	40468	45.82 ppbv #	90
54) trans-1,3-Dichloropene	7.168	75	21253	41.66 ppbv #	76
55) 1,1,2-Trichloroethane	7.270	97	14328	46.42 ppbv #	64
57) 1,3 Dichloropropane	7.401	76	19289	45.66 ppbv	97
58) Toluene	7.418	91	42809	43.81 ppbv	100
59) 2-Hexanone	7.500	43	32078	41.37 ppbv #	81
60) Dibromochloromethane	7.615	129	36398	46.36 ppbv	91
61) 1,2-Dibromoethane	7.746	107	22813	42.90 ppbv #	73
62) Tetrachloroethene	7.976	166	34495	65.66 ppbv #	78
64) 1,1,1,2 Tetrachloroethane	8.305	131	30412	54.31 ppbv	92
65) Chlorobenzene	8.321	112	34619	40.73 ppbv #	81
66) Ethylbenzene	8.502	91	50061	33.06 ppbv	90
67) m,p-xylene	8.584	91	87393	74.49 ppbv	96
68) Bromoform	8.666	173	40915	45.56 ppbv	98
69) Styrene	8.781	104	24829	28.83 ppbv #	87
70) 1,1,2,2-Tetrachloroethane	8.830	83	30065	45.14 ppbv #	89
71) o-xylene	8.847	91	40923m	33.93 ppbv	
72) 1,2,3-Trichloropropane	8.912	75	25218	41.61 ppbv #	83
73) Isopropylbenzene	9.175	105	68781	42.19 ppbv #	80
75) Bromobenzene	9.257	156	24803	40.35 ppbv	99
76) 2-Chlorotoluene	9.471	126	19109	43.85 ppbv #	50
77) n-Propylbenzene	9.471	91	161891	40.45 ppbv #	84
78) 4-Chlorotoluene	9.504	126	15447	46.08 ppbv #	1
79) 4-Ethyltoluene	9.569	105	61672	39.29 ppbv	96
80) 1,3,5-Trimethylbenzene	9.602	105	48529	35.60 ppbv	88
81) 1,2,4-Trimethylbenzene	9.882	105	47658	36.07 ppbv	99
82) tert-Butylbenzene	9.882	119	50178	33.38 ppbv	100
83) Benzyl Chloride	9.980	91	35624	27.92 ppbv #	81
84) 1,3-Dichlorobenzene	9.996	146	35565	31.59 ppbv #	81
85) 1,4-Dichlorobenzene	10.029	146	38826	44.43 ppbv #	95
86) sec-Butylbenzene	10.062	105	61808	33.70 ppbv	94
87) p-Isopropyltoluene	10.161	119	55505	32.95 ppbv #	92
88) 1,2-Dichlorobenzene	10.276	146	36846	41.62 ppbv #	92
89) n-Butylbenzene	10.456	91	42866	33.65 ppbv #	95
90) 1,2 Dibromo-3-chloropr...	10.588	75	21059	41.67 ppbv	96
91) 1,2,4-Trichlorobenzene	11.557	180	27356	40.32 ppbv #	76
92) Naphthalene	11.656	128	47726	35.20 ppbv #	91
93) 1,2,3-Trichlorobenzene	11.869	180	25930	45.59 ppbv #	75
94) Hexachlorobutadiene	11.935	225	28065	51.11 ppbv	95

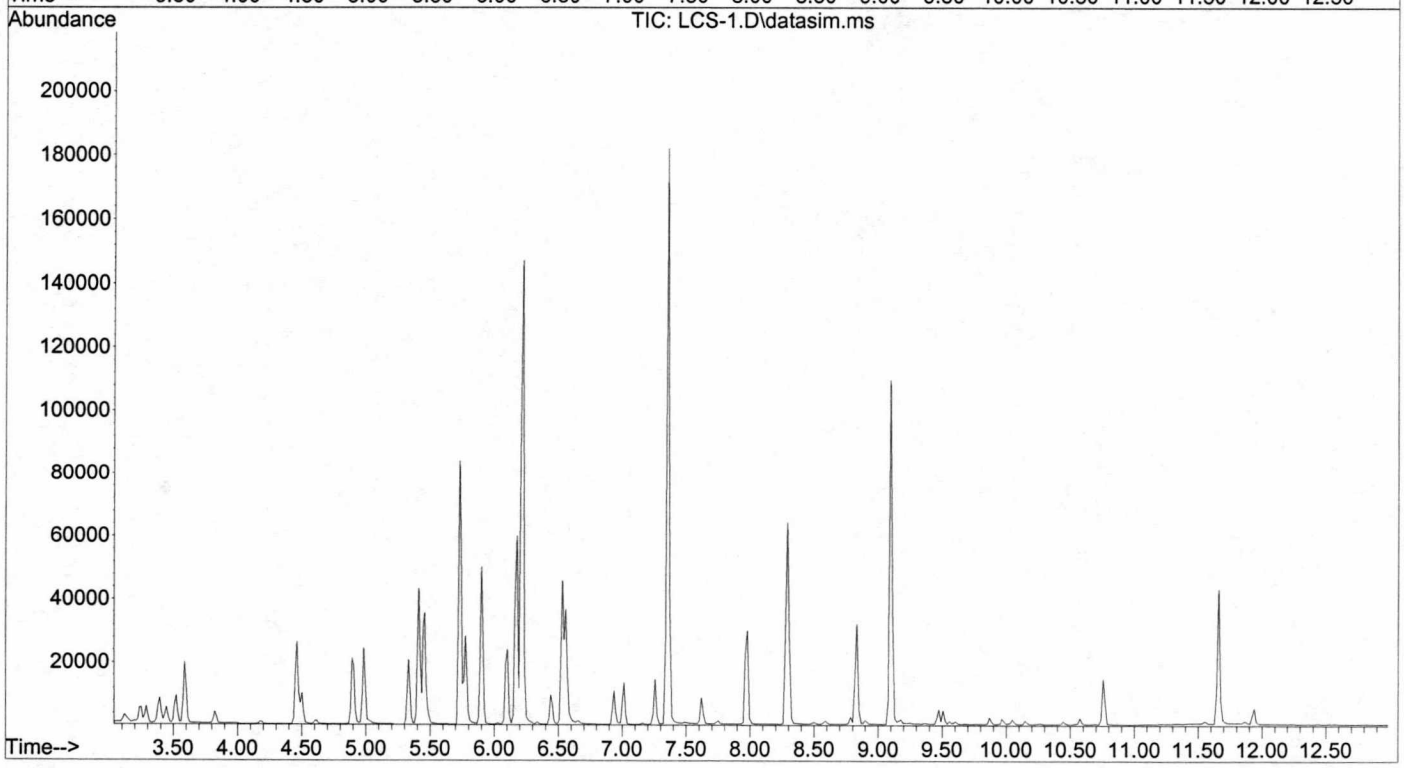
(#) = qualifier out of range (m) = manual integration (+) = signals summed

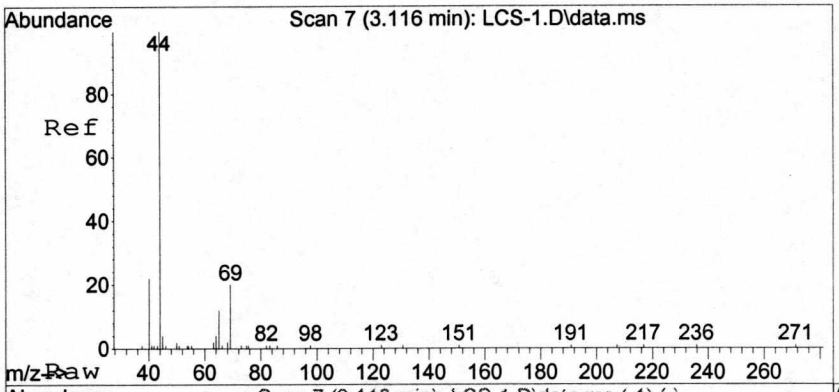
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\032515\
Data File : LCS-1.D
Acq On : 25 Mar 2015 15:36
Operator : mm
Sample : EC52502-BS1
Misc : 1,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 25 16:25:37 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Tue Mar 24 18:28:23 2015
Response via : Initial Calibration



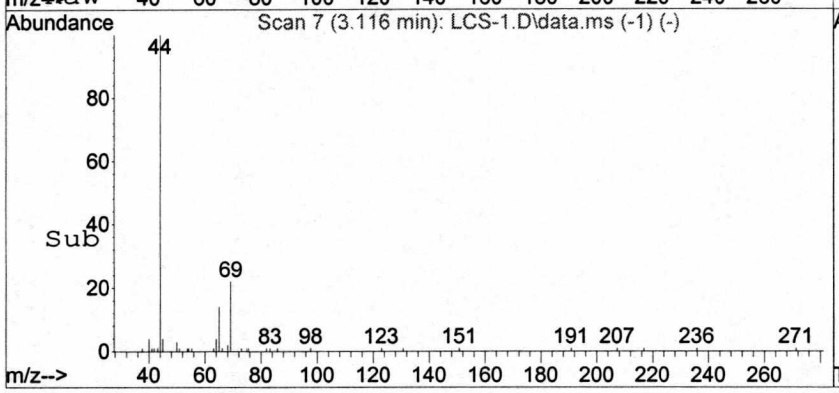


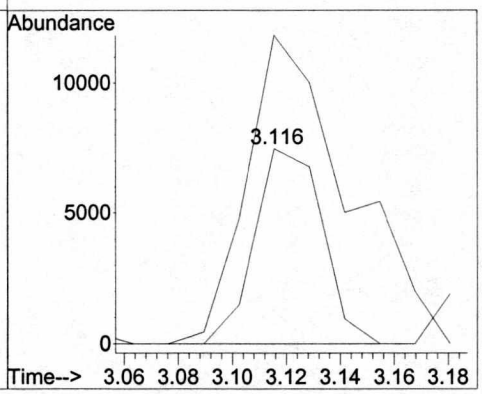


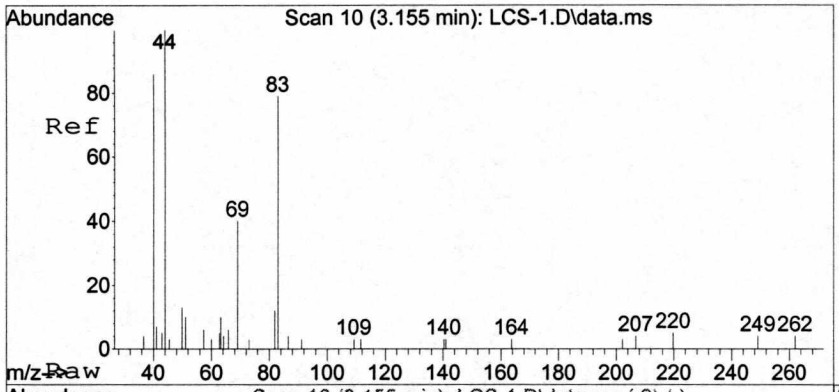
#2
1,1,1 Trifluoroethane
Concen: 51.84 ppbv
RT: 3.116 min Scan# 7
Delta R.T. -0.026 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 65 Resp: 13058

Ion	Ratio	Lower	Upper
65	100		
69	236.9	111.8	167.6#



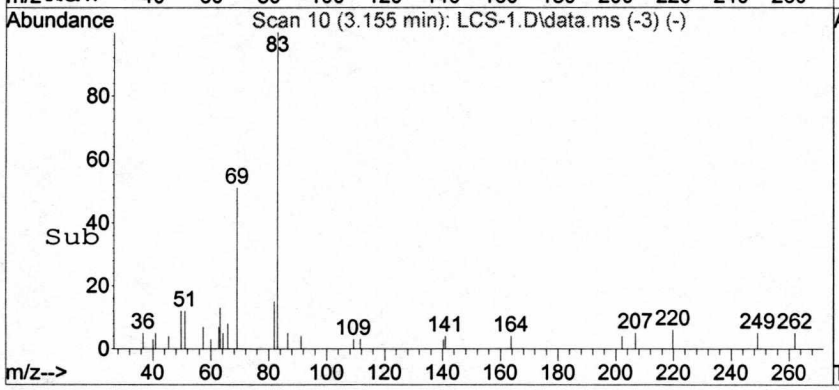


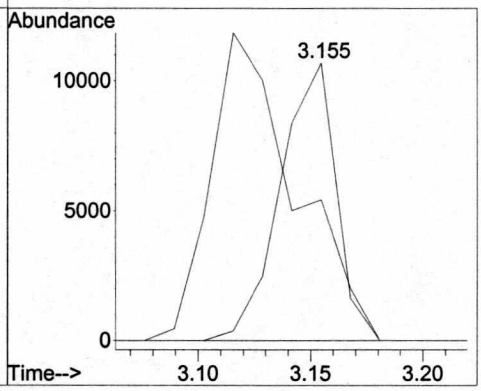


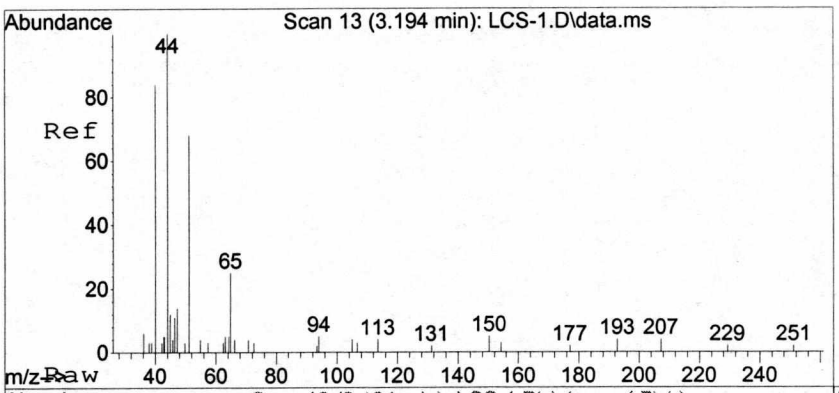
#3
1,1,1,2 Tetrafluoroethane
Concen: 54.55 ppbv
RT: 3.155 min Scan# 10
Delta R.T. -0.013 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 83 Resp: 18415

Ion	Ratio	Lower	Upper
83	100		
69	166.0	46.4	69.6#



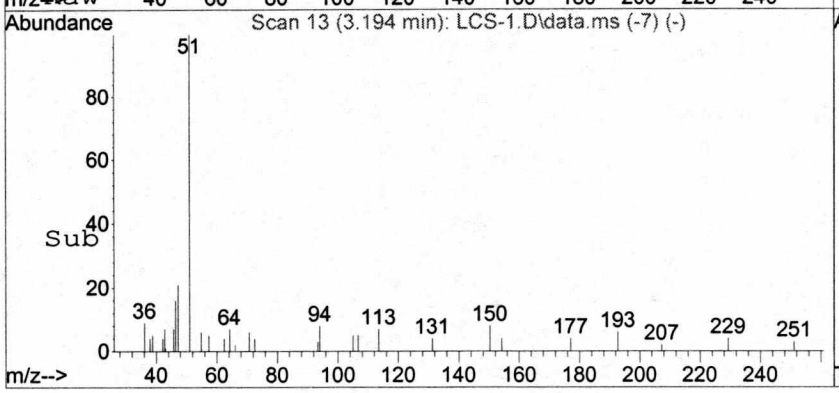


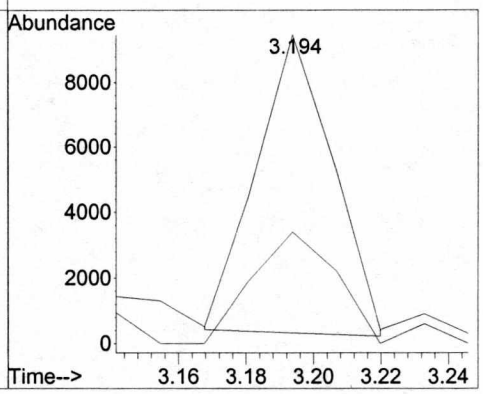


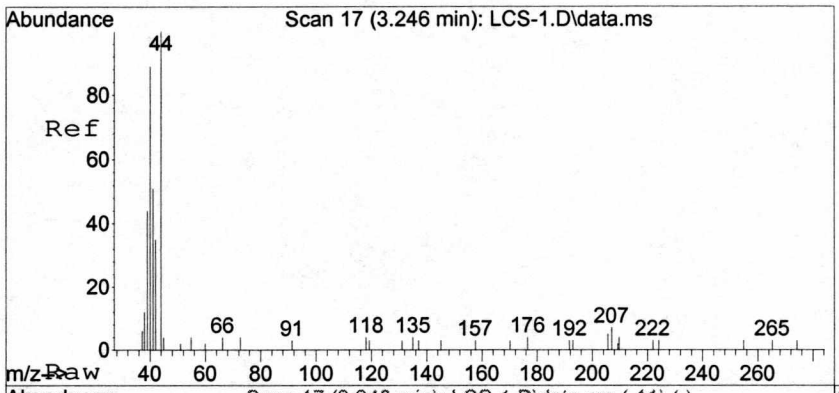
#4
1,1-Difluoroethane
Concen: 43.09 ppbv
RT: 3.194 min Scan# 13
Delta R.T. -0.026 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 51 Resp: 14355

Ion	Ratio	Lower	Upper
51	100		
65	41.1	19.8	29.6#



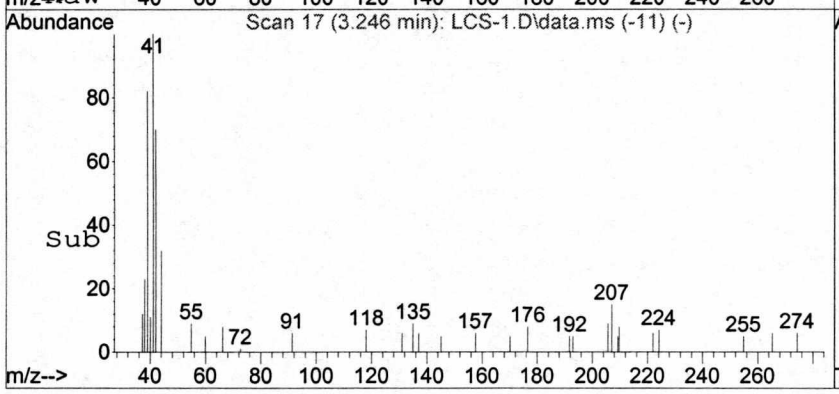


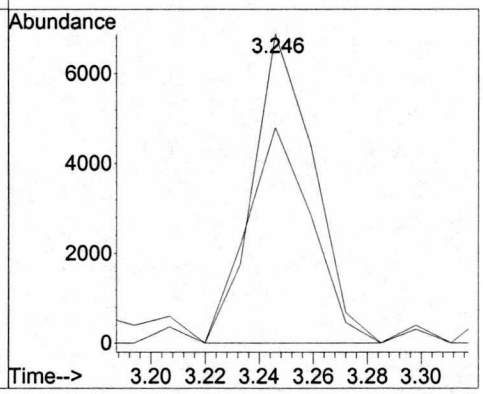


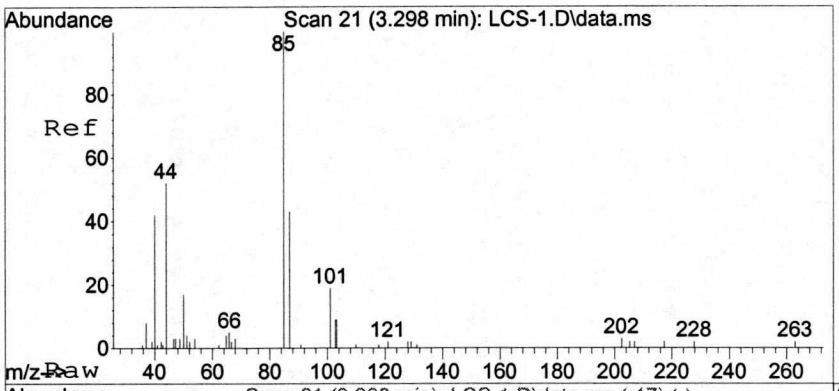
#5
Propene
Concen: 47.96 ppbv
RT: 3.246 min Scan# 17
Delta R.T. -0.026 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 41 Resp: 10756

Ion	Ratio	Lower	Upper
41	100		
42	74.9	65.0	97.4



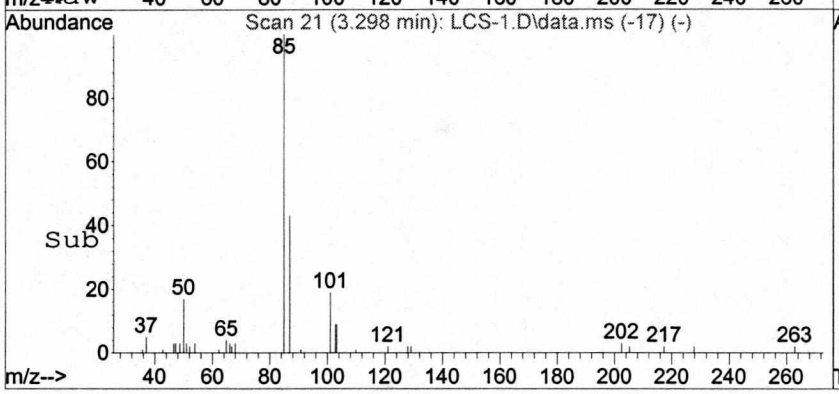


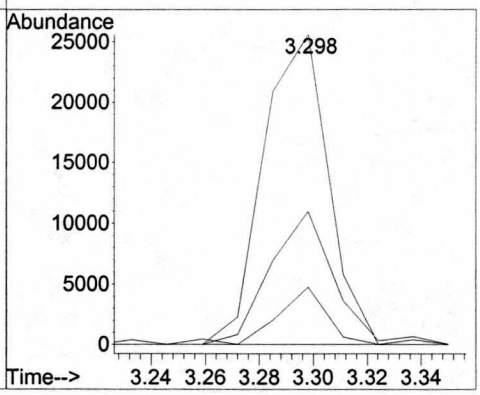


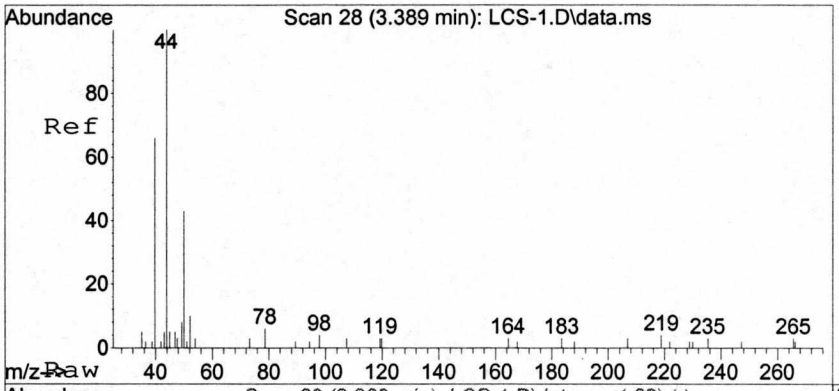
#6
Dichlorodifluoromethane
Concen: 49.01 ppbv
RT: 3.298 min Scan# 21
Delta R.T. -0.013 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 85 Resp: 42753

Ion	Ratio	Lower	Upper
85	100		
87	41.6	23.4	35.0#
101	13.6	11.2	16.8



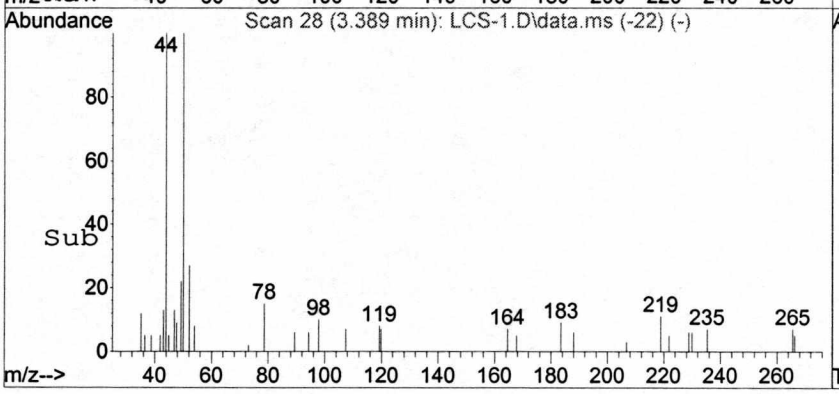


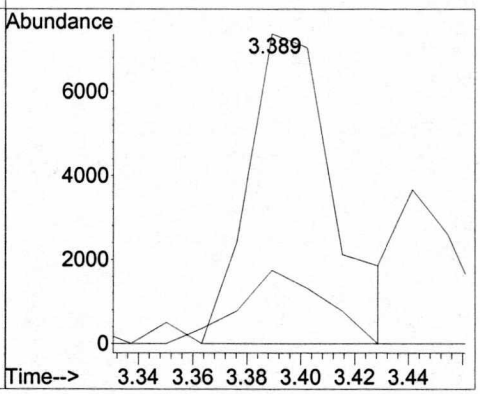


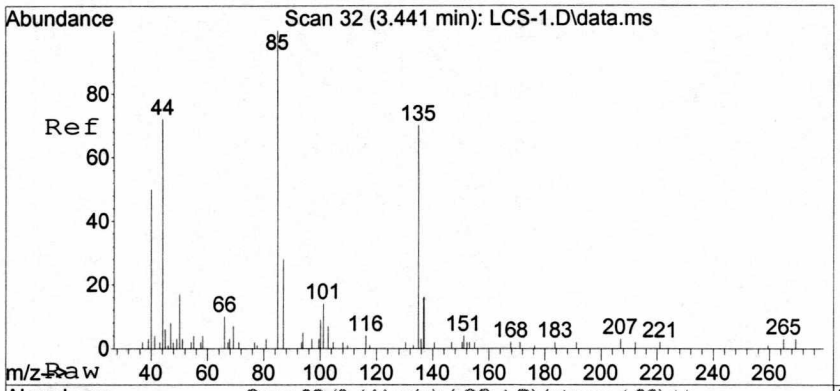
#7
Chloromethane
Concen: 54.61 ppbv
RT: 3.389 min Scan# 28
Delta R.T. -0.026 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 50 Resp: 16256

Ion	Ratio	Lower	Upper
50	100		
52	23.9	10.2	15.4#



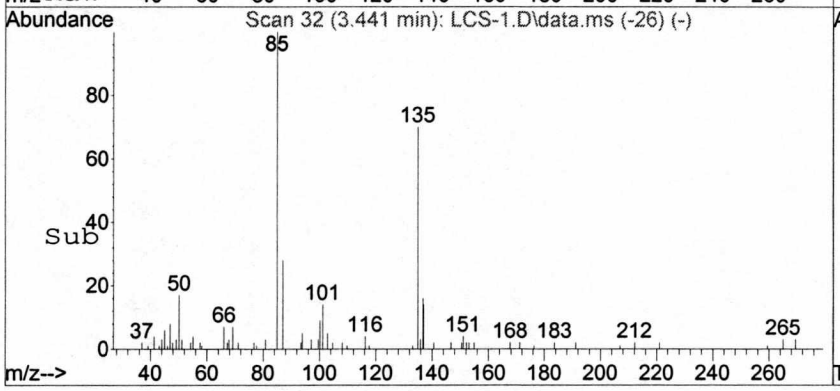


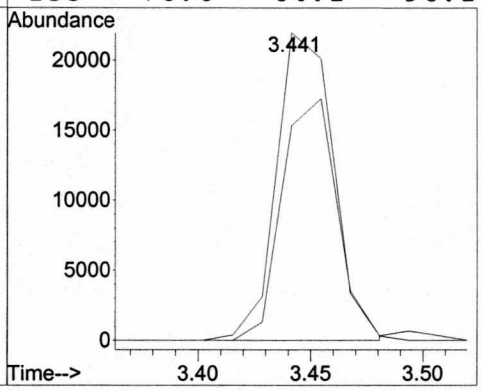


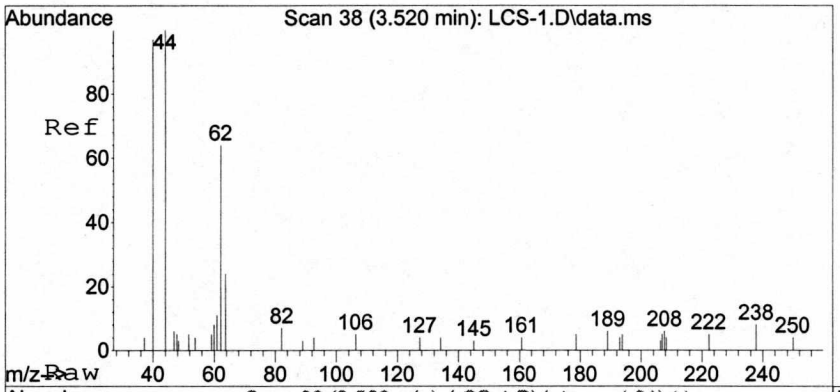
#8
Dichlorotetrafluoroethane
Concen: 46.81 ppbv
RT: 3.441 min Scan# 32
Delta R.T. -0.026 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 85 Resp: 38504

Ion	Ratio	Lower	Upper
85	100		
135	76.6	64.1	96.1
85	100.0	80.0	120.0
135	76.6	64.1	96.1



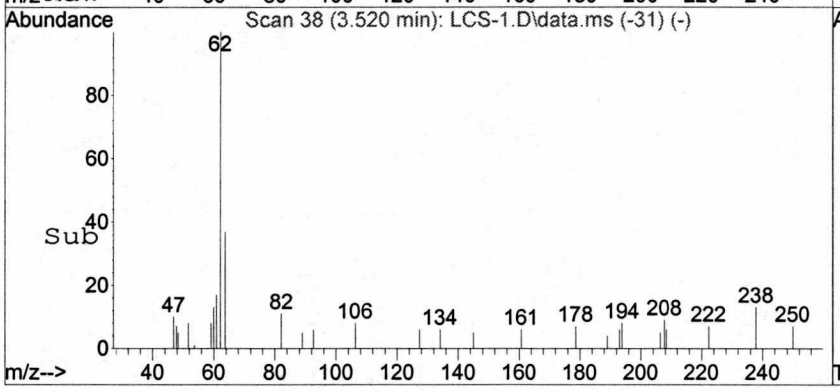


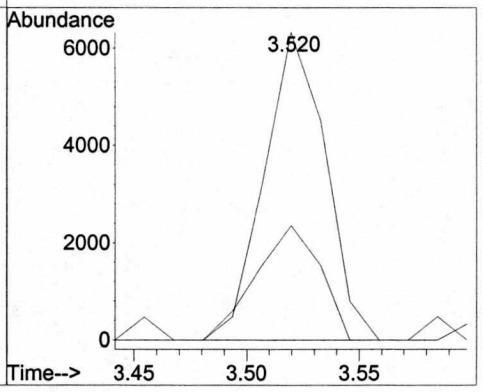


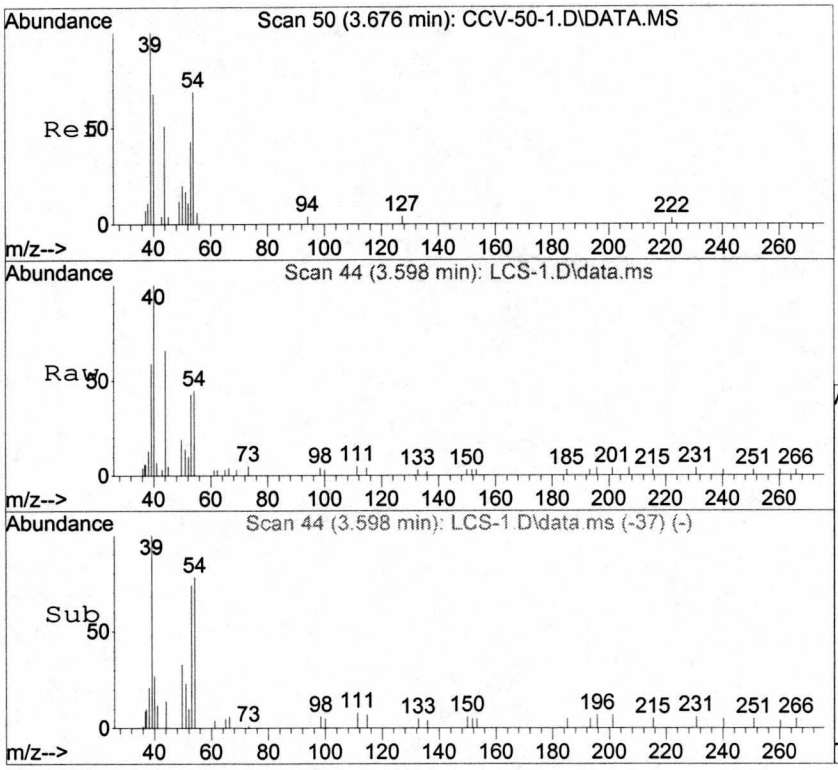
#9
Vinyl Chloride
Concen: 43.62 ppbv
RT: 3.520 min Scan# 38
Delta R.T. -0.013 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 62 Resp: 11956

Ion	Ratio	Lower	Upper
62	100		
64	39.4	26.6	39.8



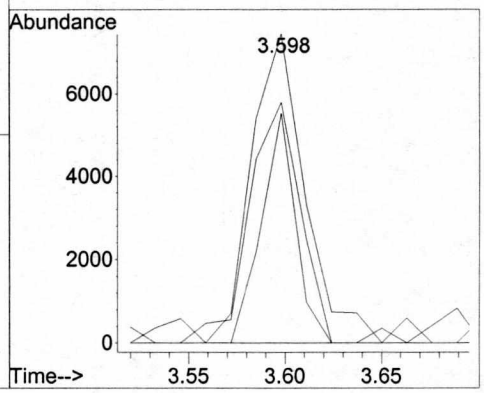


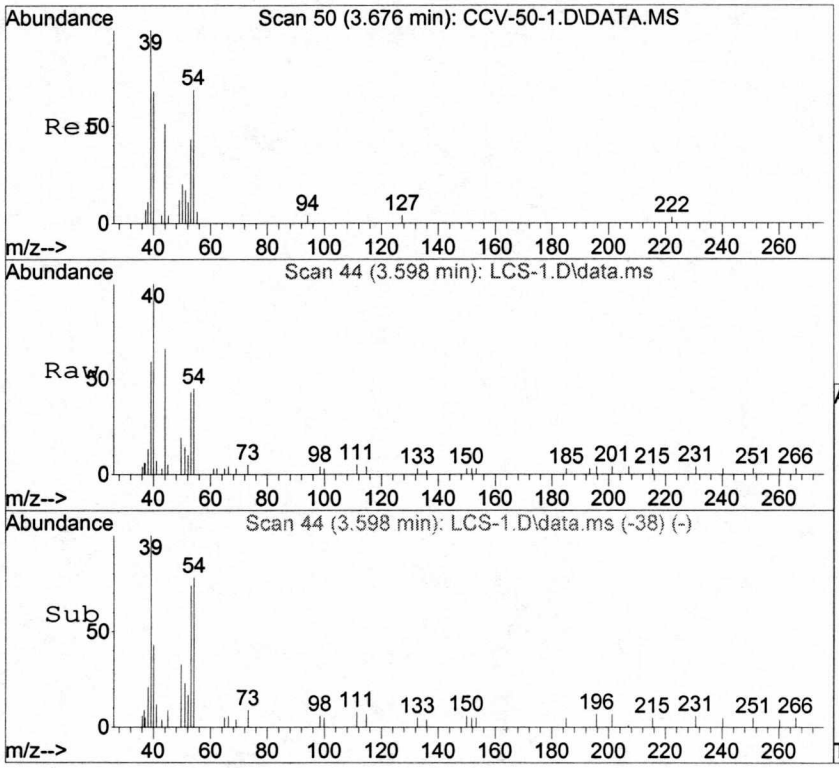


#10
1,3-Butadiene~39
Concen: 51.20 ppbv
RT: 3.598 min Scan# 44
Delta R.T. -0.013 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 39 Resp: 14362

Ion	Ratio	Lower	Upper
39	100		
54	74.7	42.2	63.4#
53	47.3	26.4	39.6#

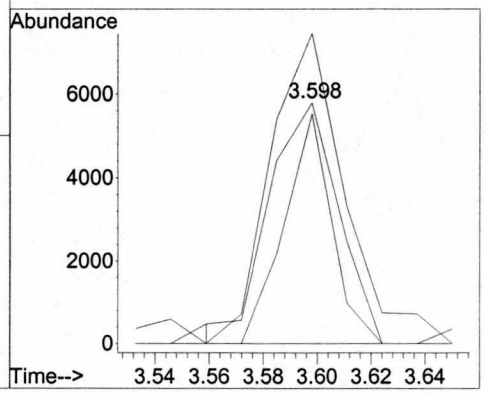


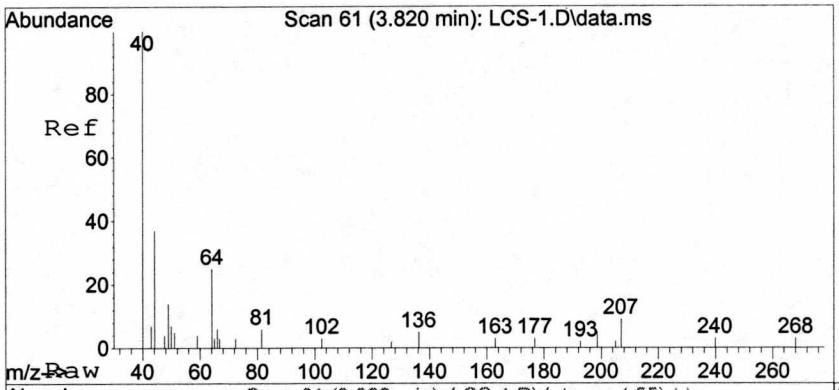


#11
1,3-Butadiene~54
Concen: 43.51 ppbv
RT: 3.598 min Scan# 44
Delta R.T. -0.013 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 54 Resp: 10359

Ion	Ratio	Lower	Upper
54	100		
39	138.6	151.6	227.4#
53	65.6	50.0	75.0

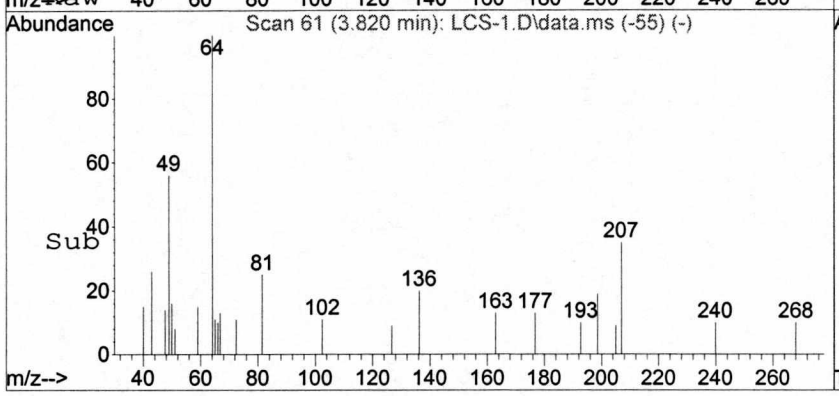


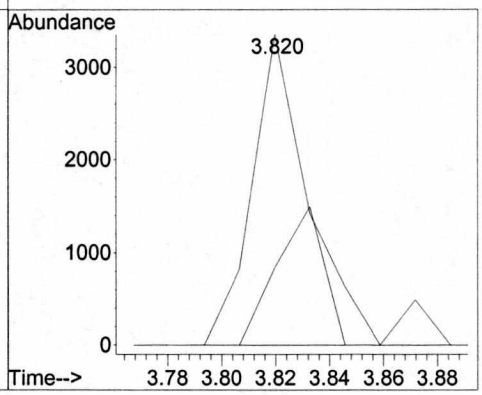


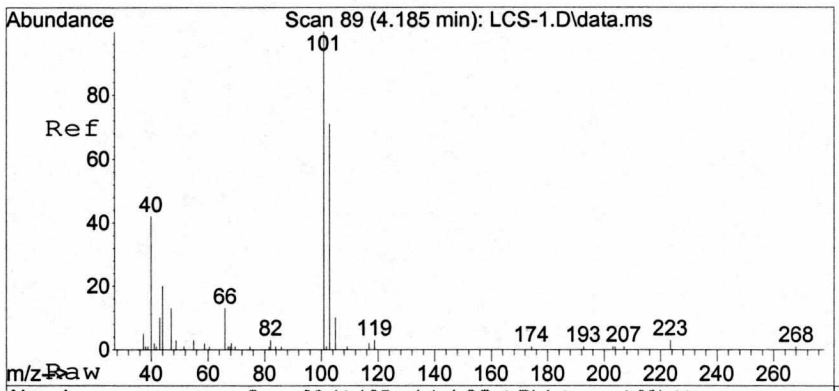
#13
Chloroethane
Concen: 36.95 ppbv
RT: 3.820 min Scan# 61
Delta R.T. -0.026 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 64 Resp: 4877

Ion	Ratio	Lower	Upper
64	100		
66	37.4	17.1	25.7#



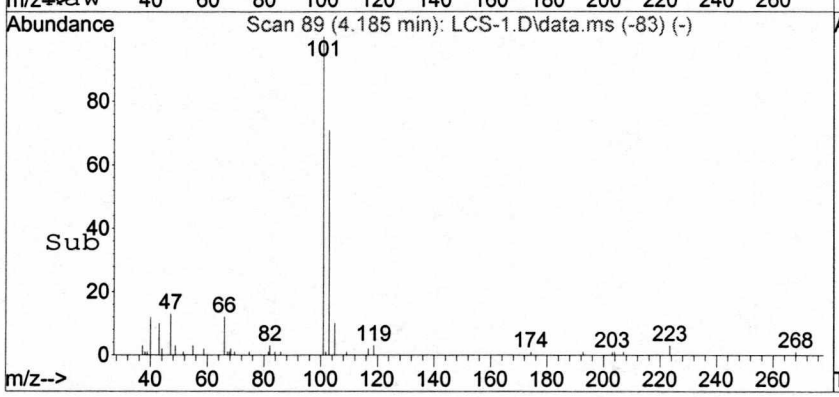


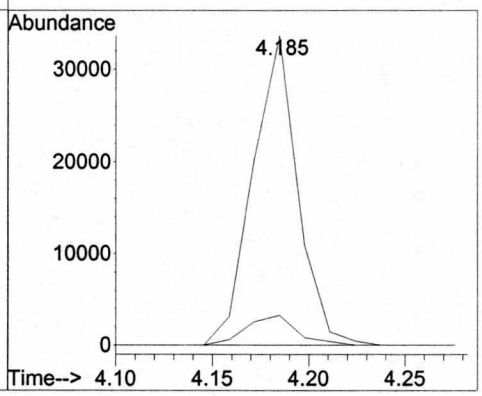


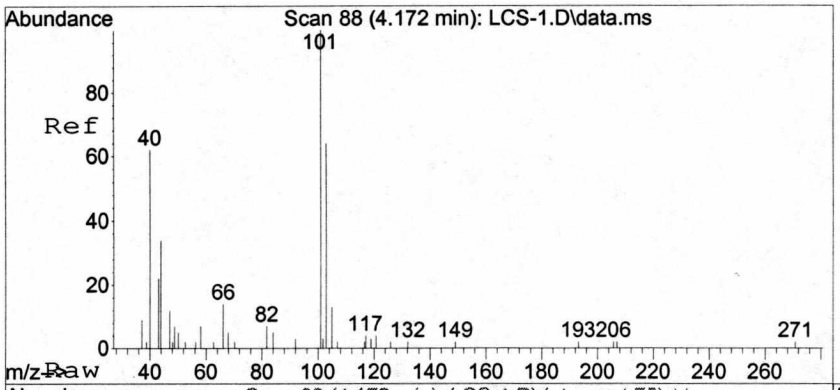
#15
Trichlorofluoromethane
Concen: 52.40 ppbv
RT: 4.185 min Scan# 89
Delta R.T. -0.026 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:101 Resp: 54664

Ion	Ratio	Lower	Upper
101	100		
105	10.9	8.6	12.8



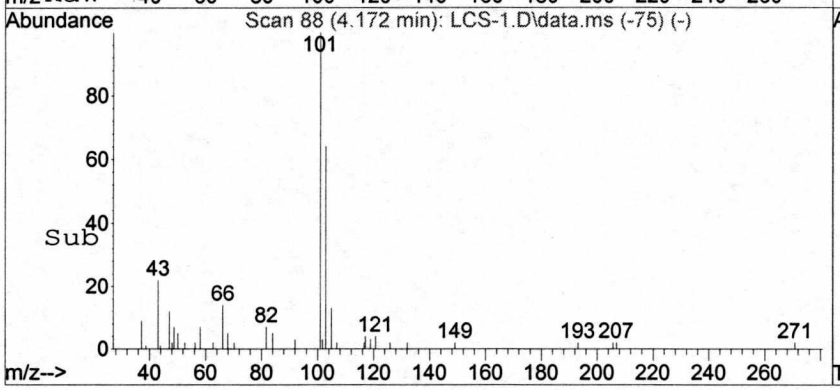


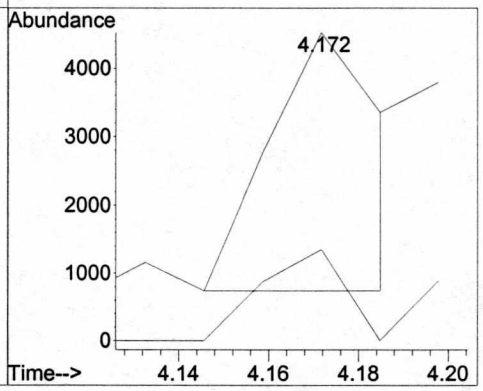


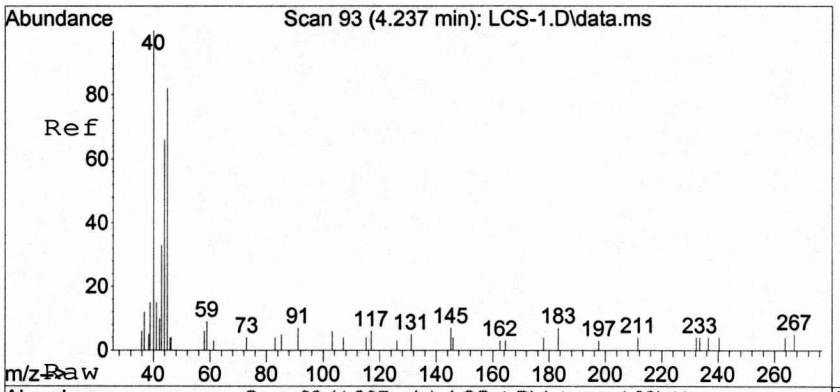
#16
Acetone
Concen: 13.71 ppbv
RT: 4.172 min Scan# 88
Delta R.T. -0.026 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 43 Resp: 6592

Ion	Ratio	Lower	Upper
43	100		
58	26.5	9.2	13.8#



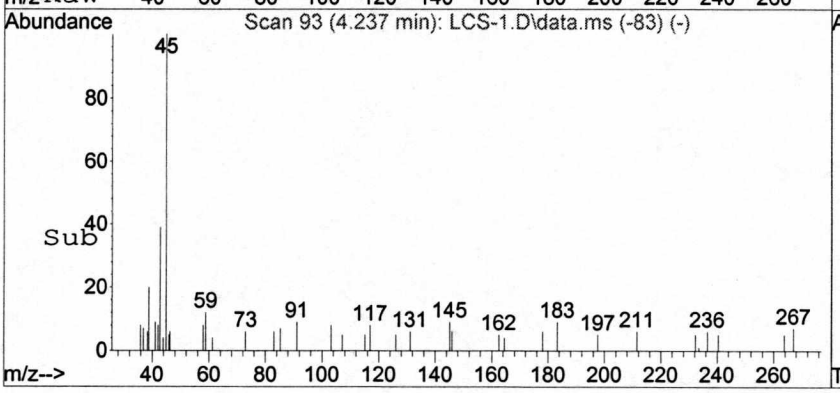


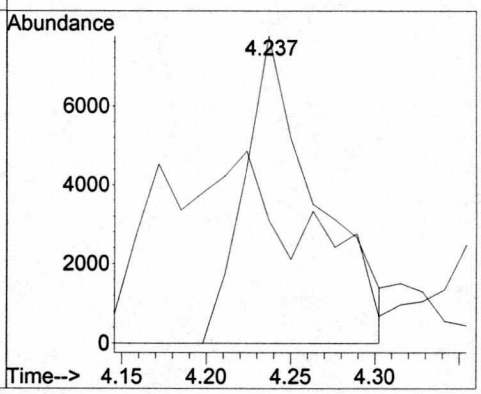


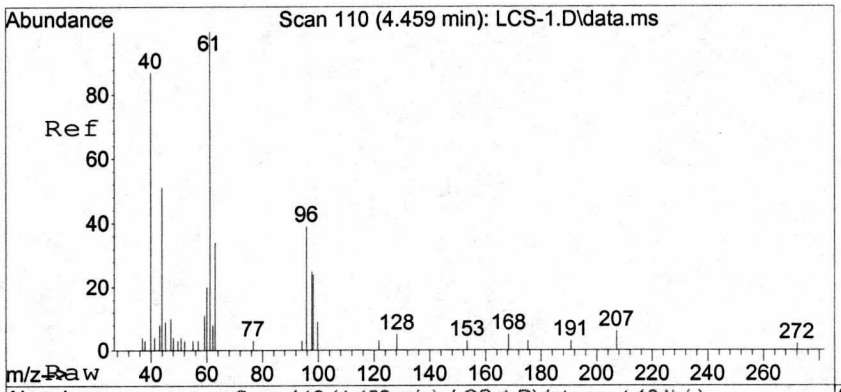
#17
Isopropyl alcohol
Concen: 32.38 ppbv
RT: 4.237 min Scan# 93
Delta R.T. -0.026 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 45 Resp: 23294

Ion	Ratio	Lower	Upper
45	100		
43	47.6	29.4	44.0#



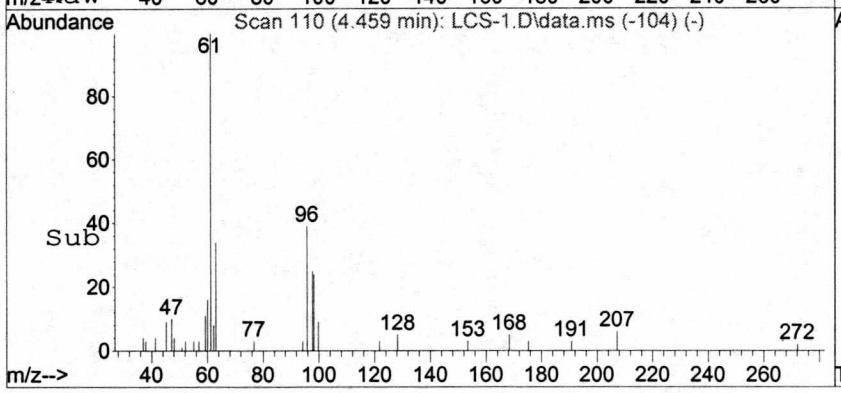


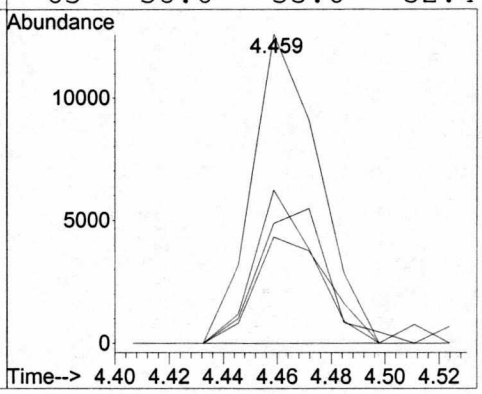


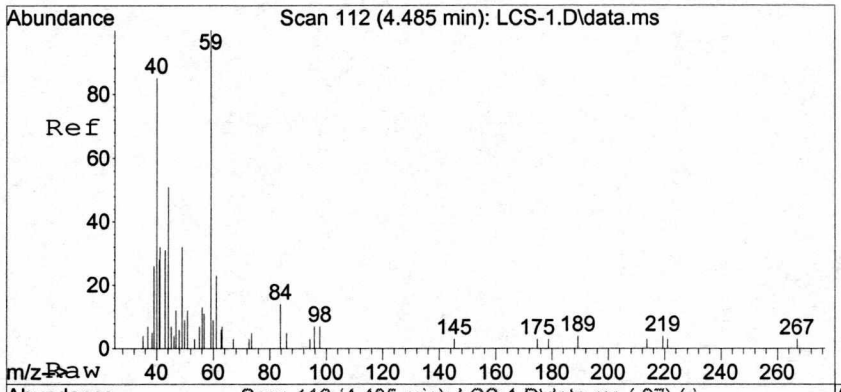
#18
1,1-Dichloroethene
Concen: 43.00 ppbv
RT: 4.459 min Scan# 110
Delta R.T. -0.026 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 61 Resp: 21701

Ion	Ratio	Lower	Upper
61	100		
96	45.6	58.7	88.1#
98	43.8	29.0	43.4#
63	38.0	35.0	52.4



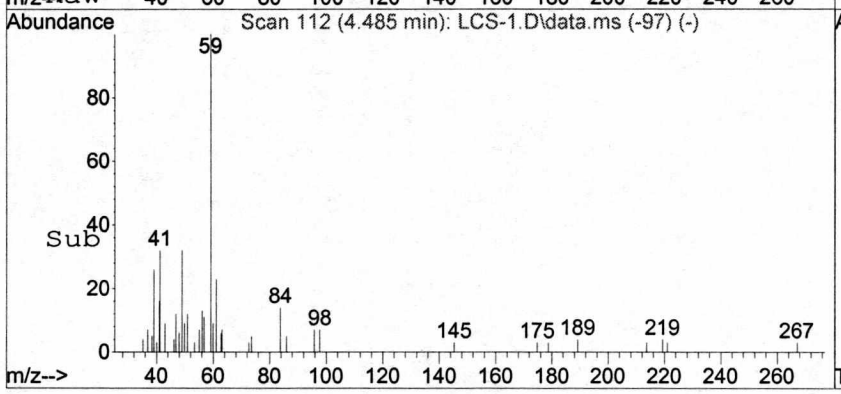


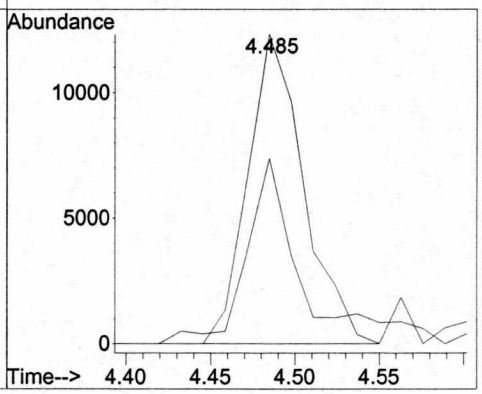


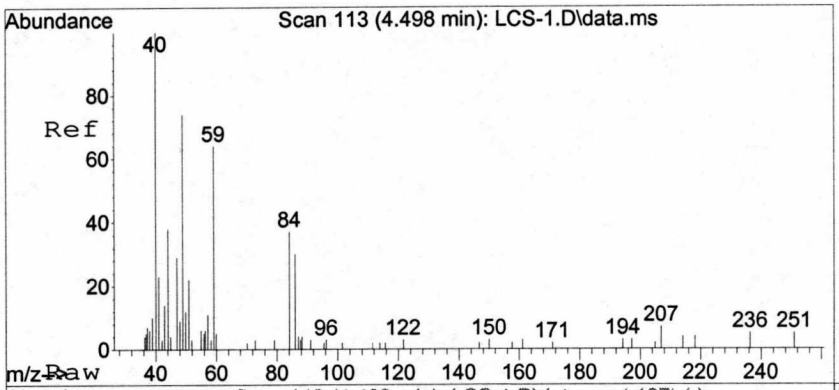
#19
tert-Butyl Alcohol
Concen: 34.69 ppbv
RT: 4.485 min Scan# 112
Delta R.T. -0.026 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 59 Resp: 28391

Ion	Ratio	Lower	Upper
59	100		
41	44.9	18.9	28.3#



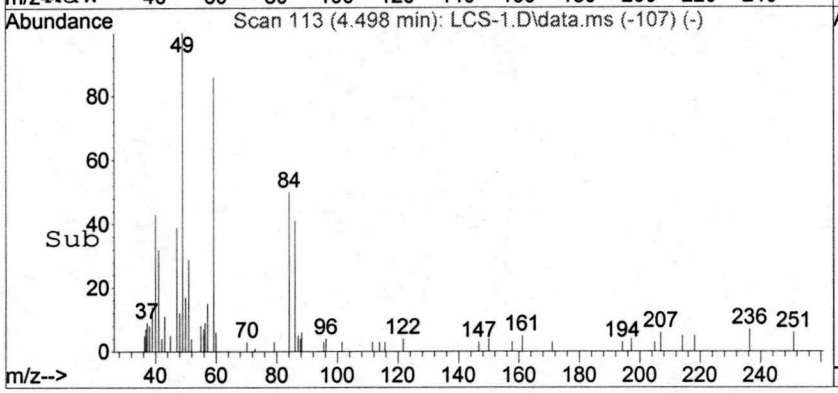


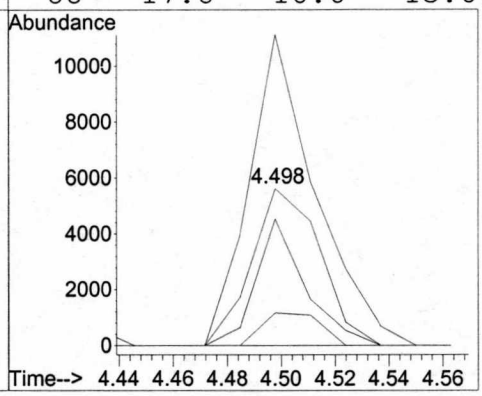


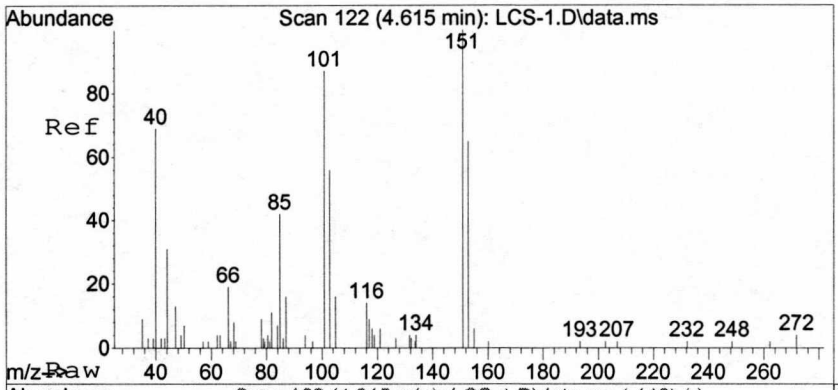
#20
Methylene Chloride
Concen: 52.13 ppbv
RT: 4.498 min Scan# 113
Delta R.T. -0.026 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 84 Resp: 9888

Ion	Ratio	Lower	Upper
84	100		
86	58.3	39.8	59.6
49	193.1	137.8	206.8
88	17.8	10.0	15.0#



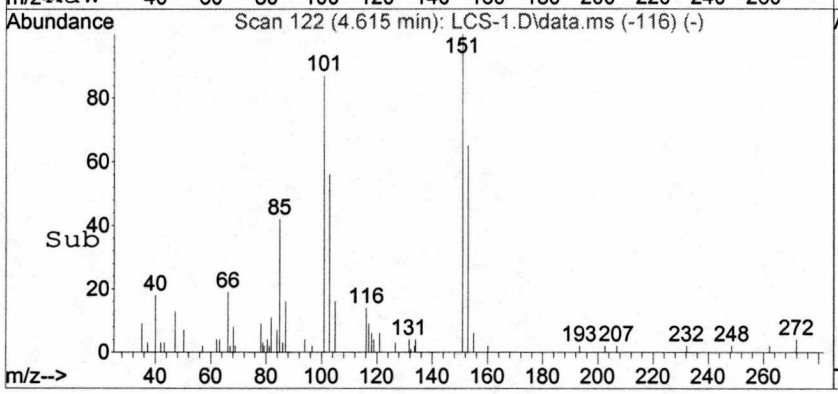


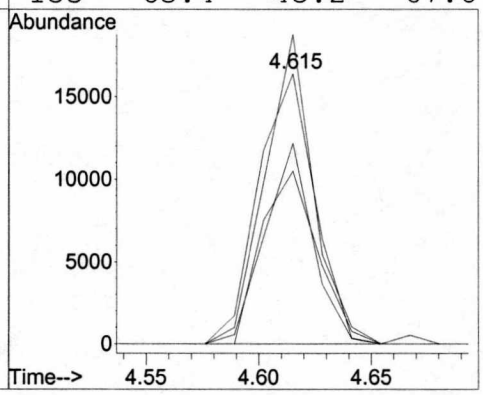


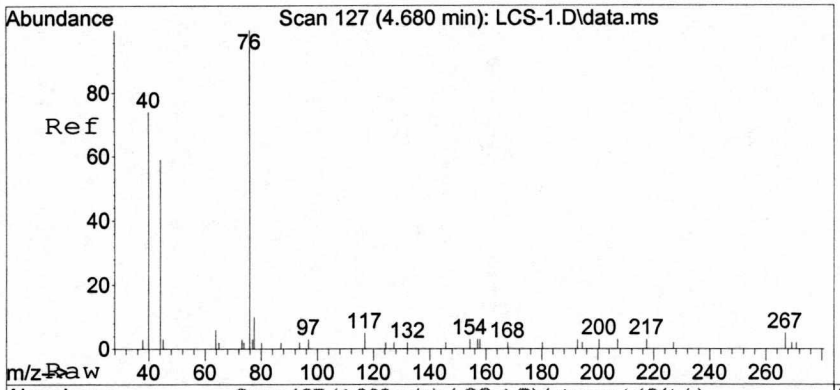
#21
1,1,2-Trichlorotrifluoroethane
Concen: 47.28 ppbv
RT: 4.615 min Scan# 122
Delta R.T. -0.026 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:101 Resp: 28600

Ion	Ratio	Lower	Upper
101	100		
151	98.5	101.2	151.8#
103	64.4	59.8	89.8
153	63.4	45.2	67.8



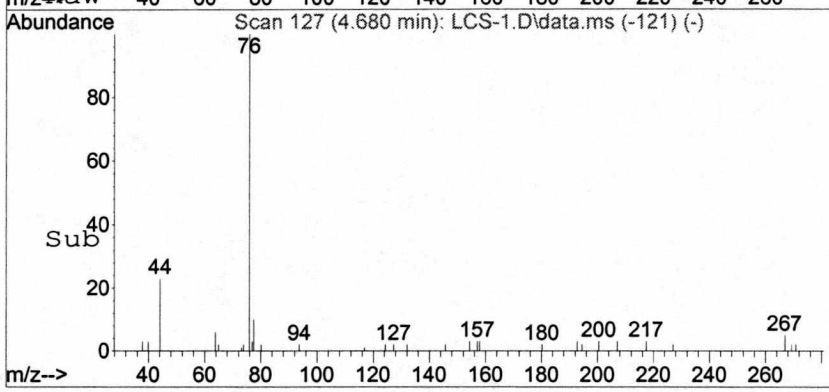


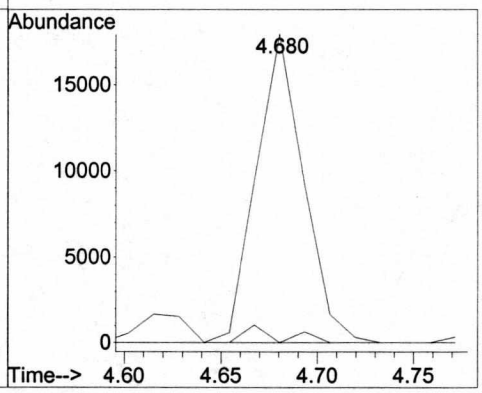


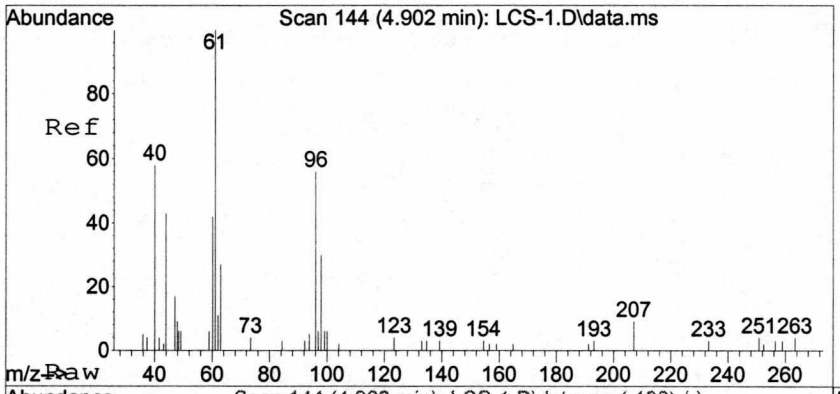
#22
Carbon Disulfide
Concen: 45.08 ppbv
RT: 4.680 min Scan# 127
Delta R.T. -0.016 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 76 Resp: 30598

Ion	Ratio	Lower	Upper
76	100		
78	1.6	8.4	12.6#



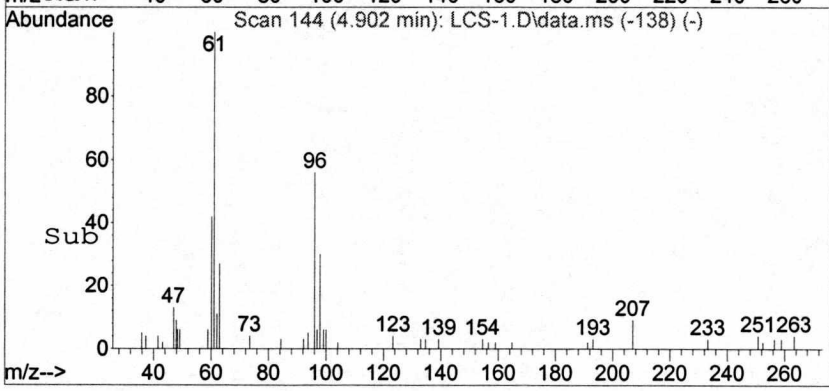


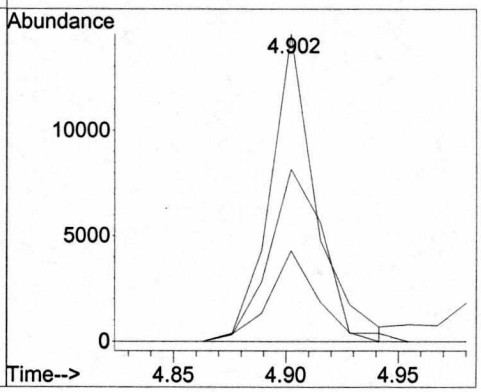


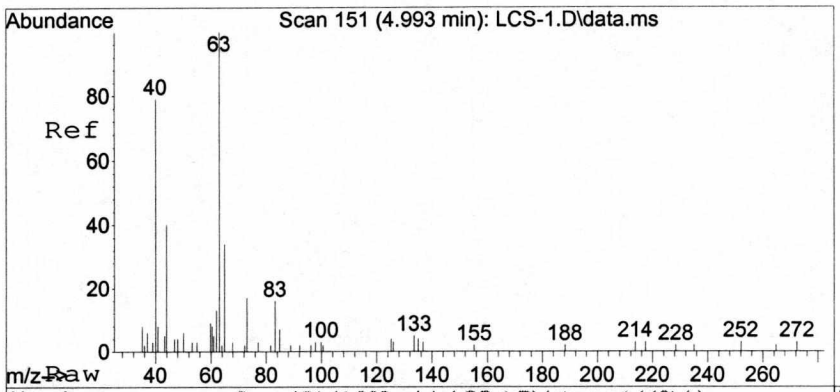
#23
trans-1,2-Dichloroethene
Concen: 43.52 ppbv
RT: 4.902 min Scan# 144
Delta R.T. -0.016 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 61 Resp: 20653

Ion	Ratio	Lower	Upper
61	100		
96	67.0	31.9	47.9#
98	31.2	26.8	40.2



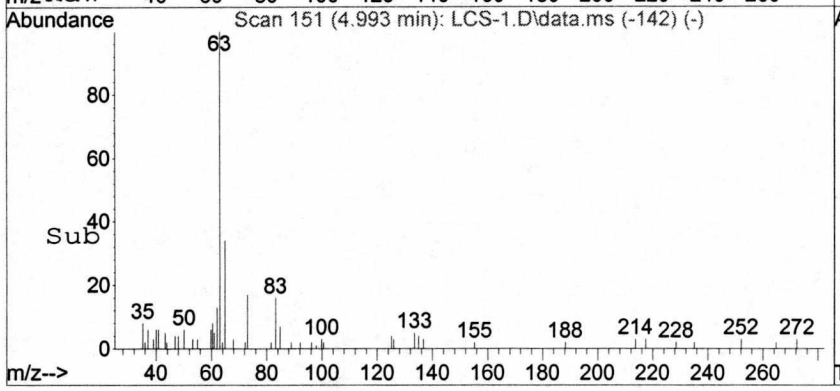


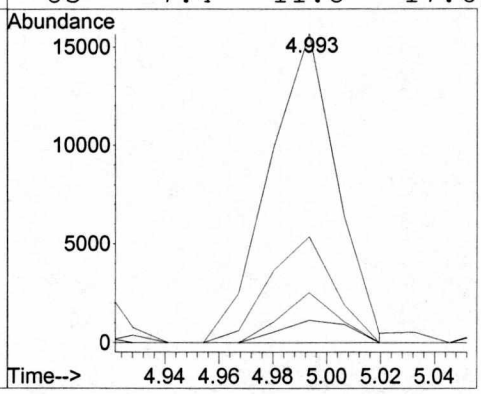


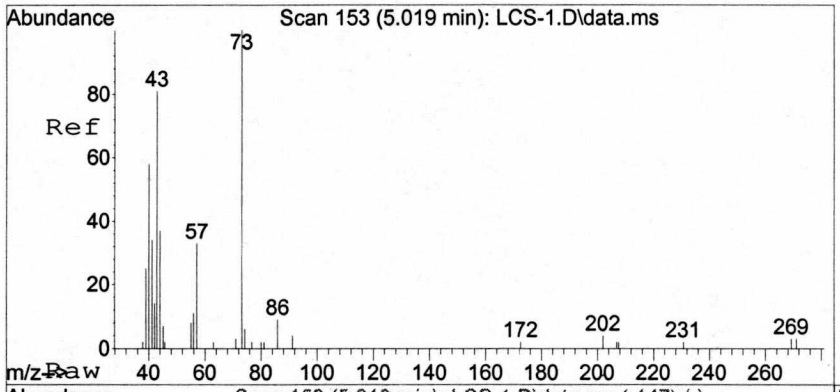
#24
1,1-Dichloroethane
Concen: 47.64 ppbv
RT: 4.993 min Scan# 151
Delta R.T. -0.002 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 63 Resp: 27363

Ion	Ratio	Lower	Upper
63	100		
65	33.0	19.5	29.3#
83	13.2	11.4	17.2
85	7.4	11.8	17.6#



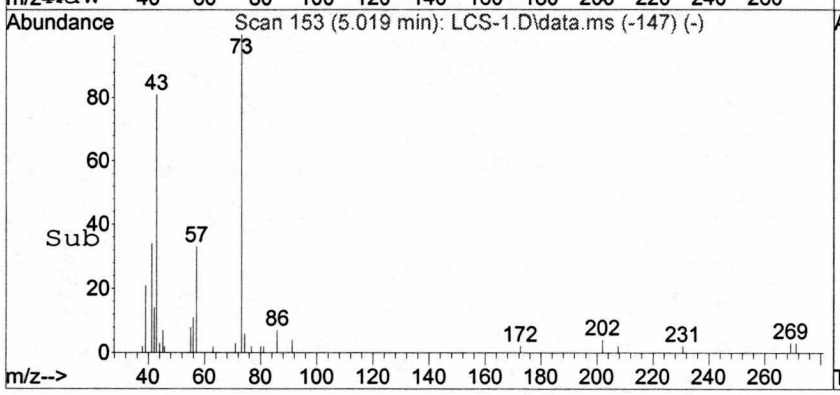


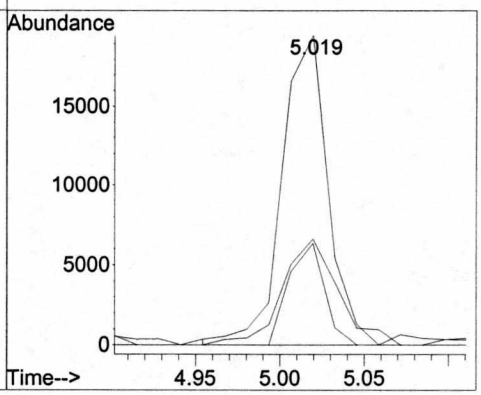


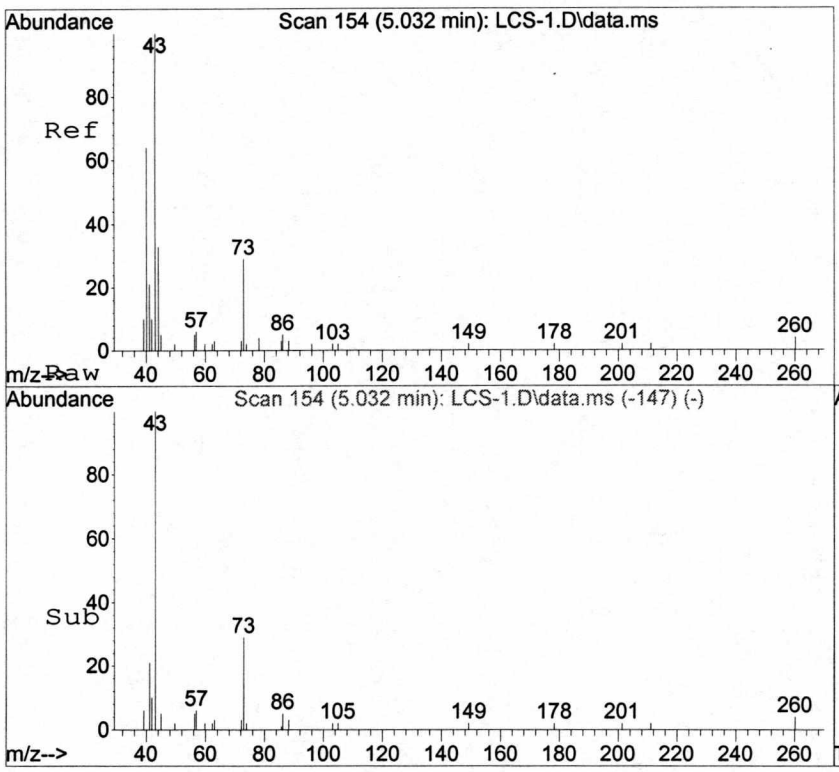
#25
Methyl tert-Butyl Ether
Concen: 43.14 ppbv
RT: 5.019 min Scan# 153
Delta R.T. -0.015 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 73 Resp: 36781

Ion	Ratio	Lower	Upper
73	100		
57	25.6	18.6	28.0
41	41.6	25.8	38.8#



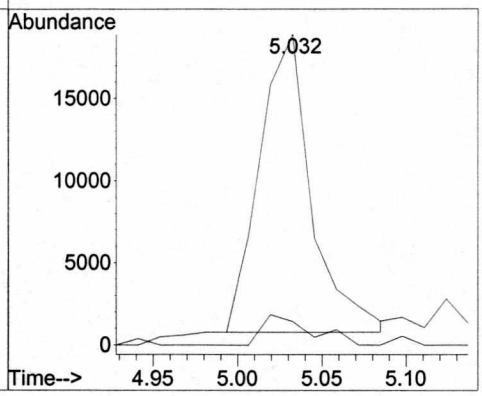


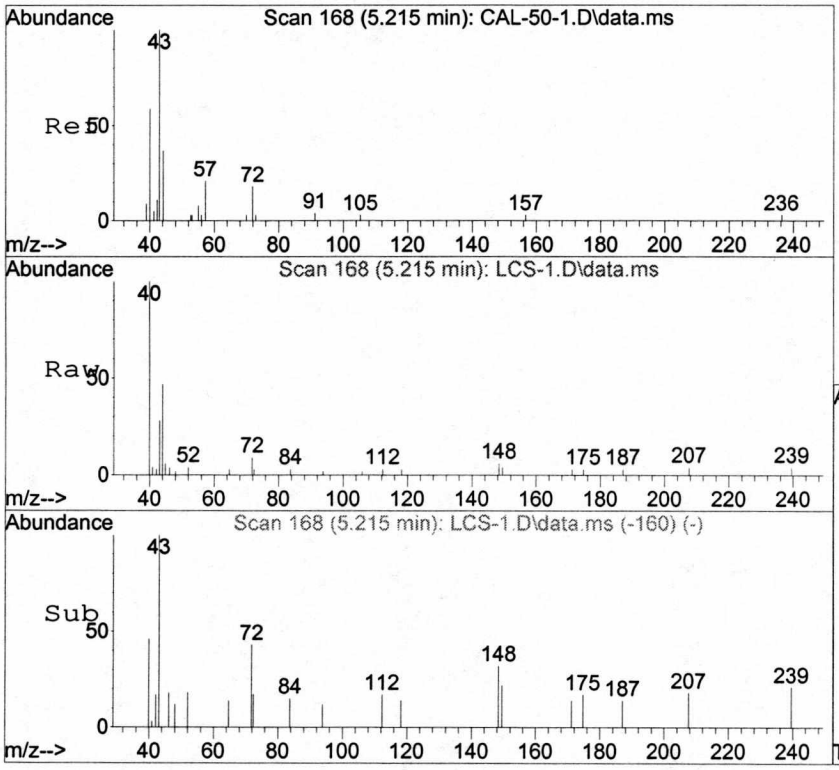


#26
Vinyl Acetate
Concen: 33.54 ppbv
RT: 5.032 min Scan# 154
Delta R.T. -0.013 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 43 Resp: 38870

Ion	Ratio	Lower	Upper
43	100		
86	9.4	3.5	5.3#

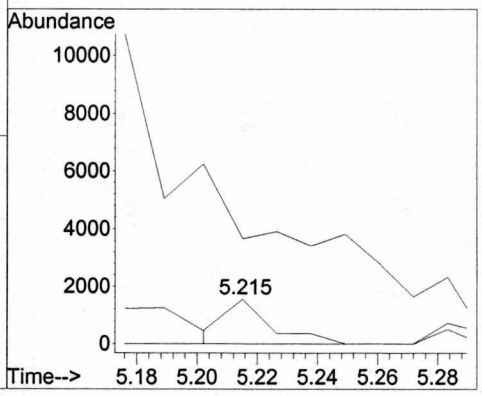


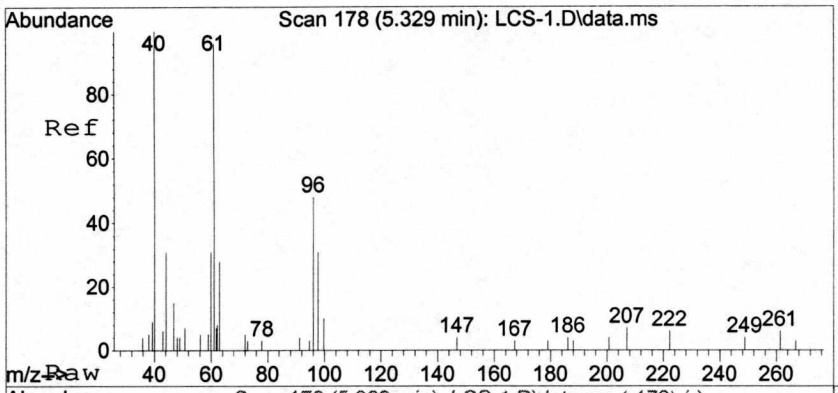


#27
2-Butanone
Concen: 16.12 ppbv
RT: 5.215 min Scan# 168
Delta R.T. 0.000 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 72 Resp: 1599

Ion	Ratio	Lower	Upper
72	100		
43	0.0	266.6	399.8#
57	0.0	29.0	43.6#

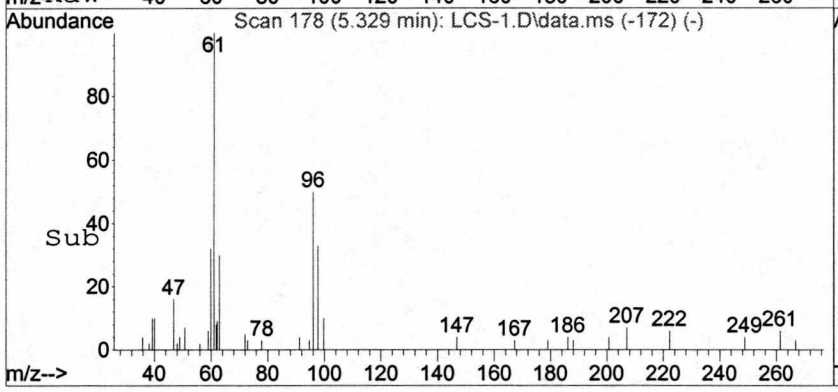


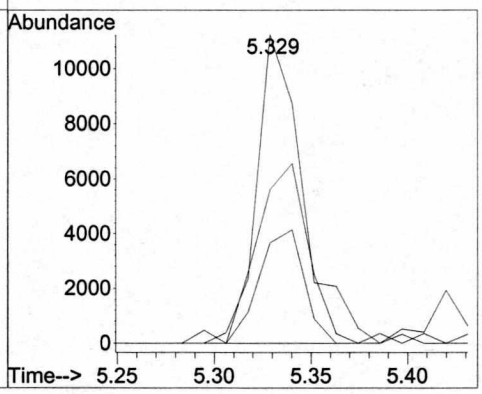


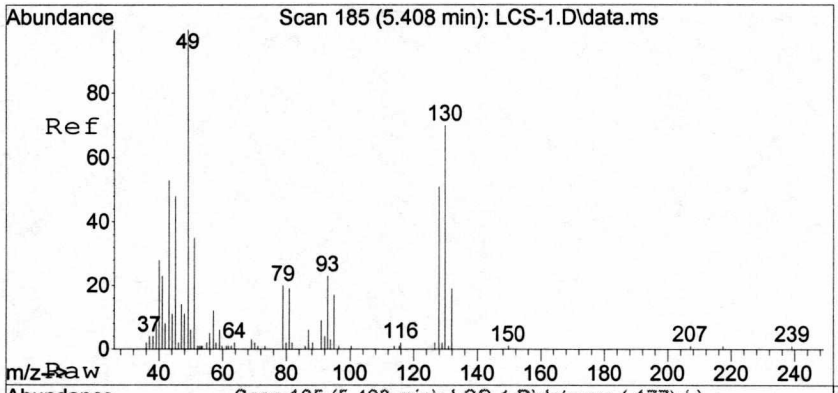
#28
cis-1,2-dichloroethene
Concen: 42.44 ppbv
RT: 5.329 min Scan# 178
Delta R.T. -0.034 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 61 Resp: 18786

Ion	Ratio	Lower	Upper
61	100		
96	64.0	46.5	69.7
98	35.7	17.4	26.0#



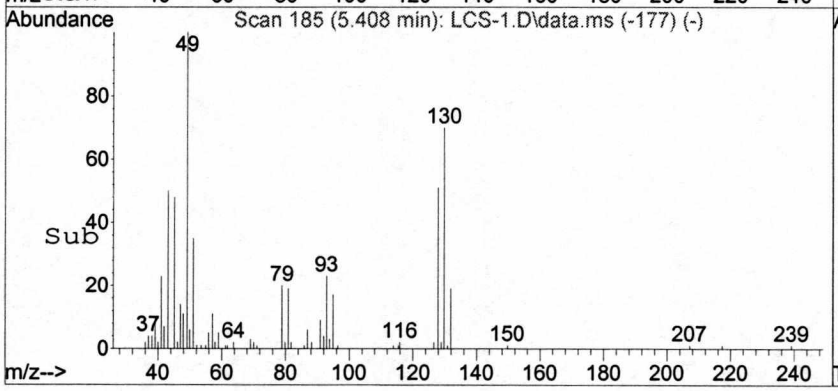


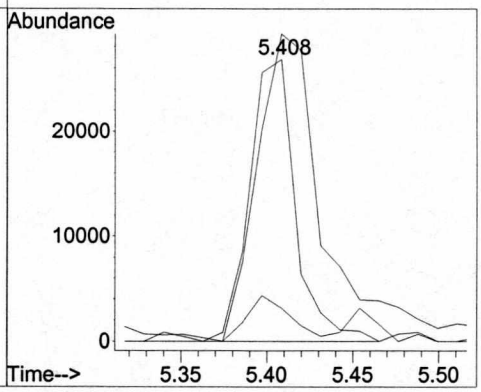


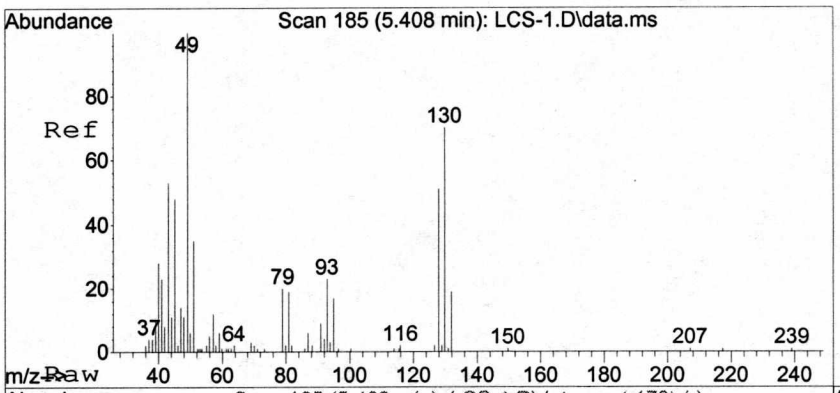
#29
Di-Isopropyl Ether
Concen: 37.09 ppbv
RT: 5.408 min Scan# 185
Delta R.T. -0.011 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 45 Resp: 49735

Ion	Ratio	Lower	Upper
45	100		
43	148.9	50.5	75.7#
87	15.3	14.1	21.1



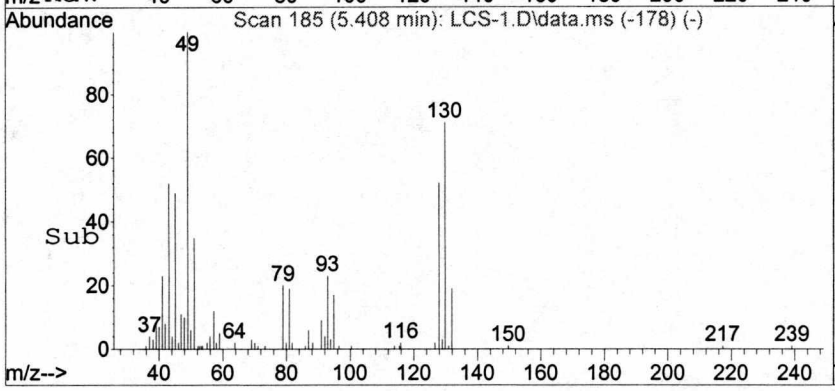


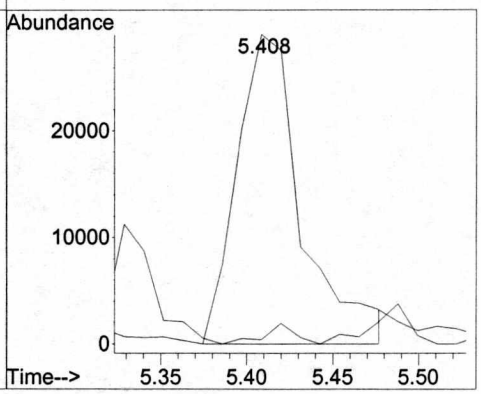


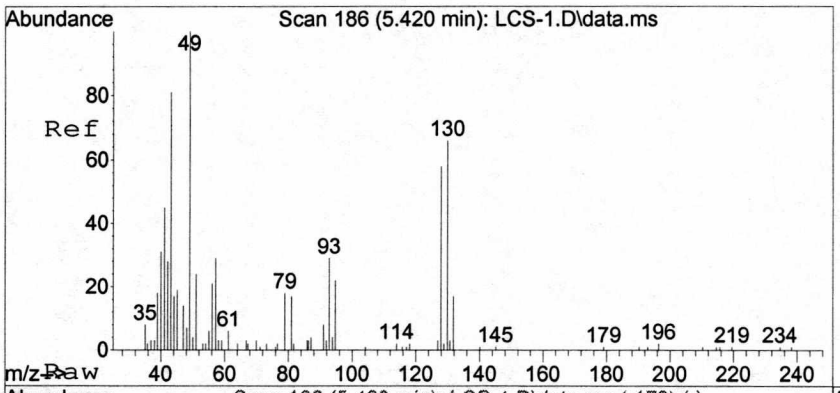
#30
Ethyl Acetate
Concen: 45.76 ppbv
RT: 5.408 min Scan# 185
Delta R.T. -0.023 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 43 Resp: 76239

Ion	Ratio	Lower	Upper
43	100		
61	3.1	5.2	7.8#



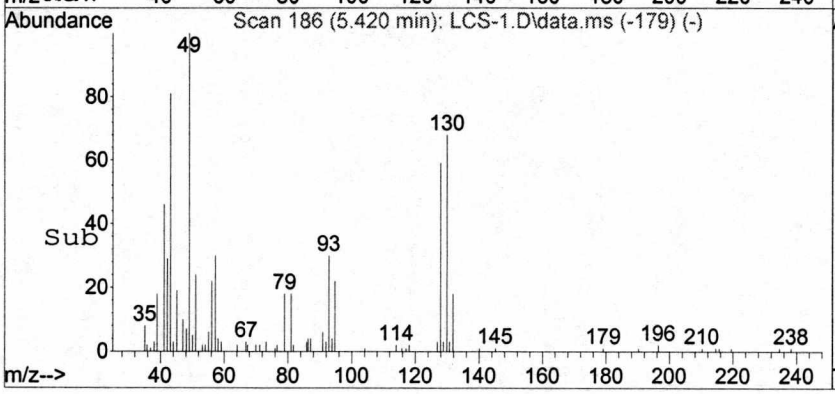


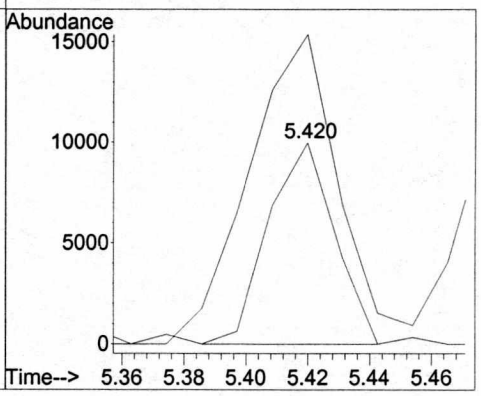


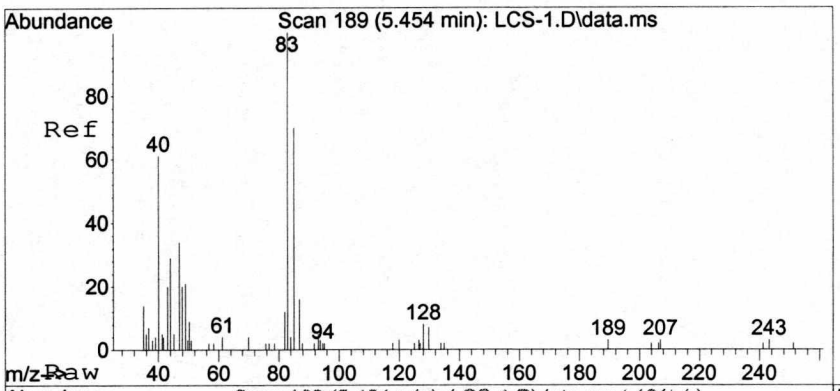
#31
n-Hexane
Concen: 34.66 ppbv
RT: 5.420 min Scan# 186
Delta R.T. -0.023 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 57 Resp: 14797

Ion	Ratio	Lower	Upper
57	100		
41	210.0	124.1	186.1#



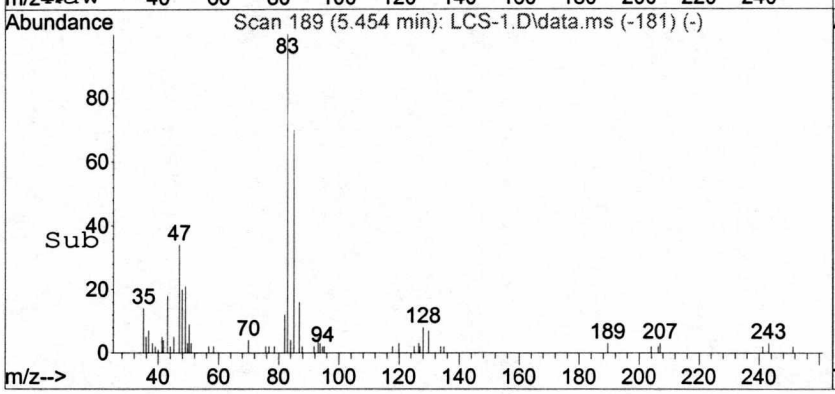


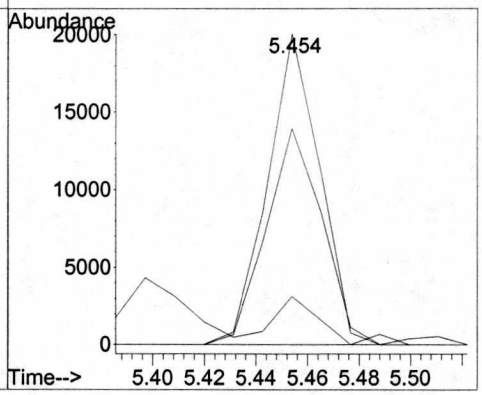


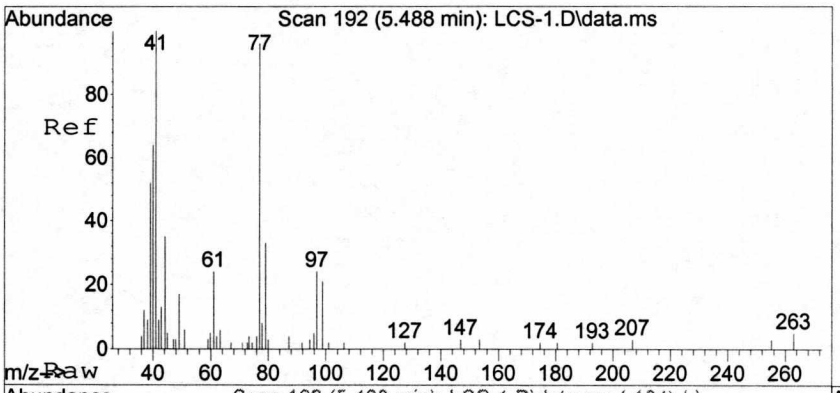
#32
Chloroform
Concen: 42.57 ppbv
RT: 5.454 min Scan# 189
Delta R.T. -0.011 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 83 Resp: 28109

Ion	Ratio	Lower	Upper
83	100		
85	74.9	34.7	52.1#
87	13.5	0.0	0.0#



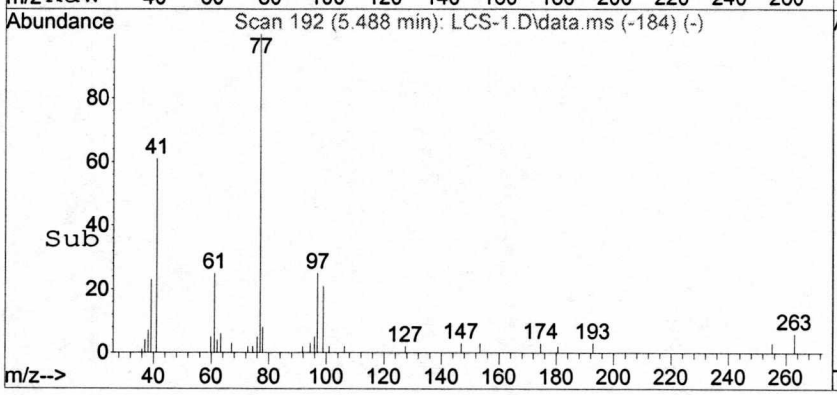


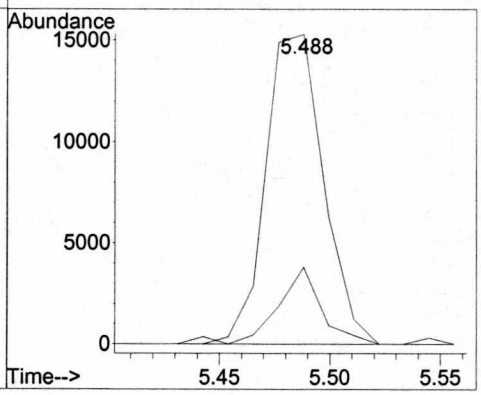


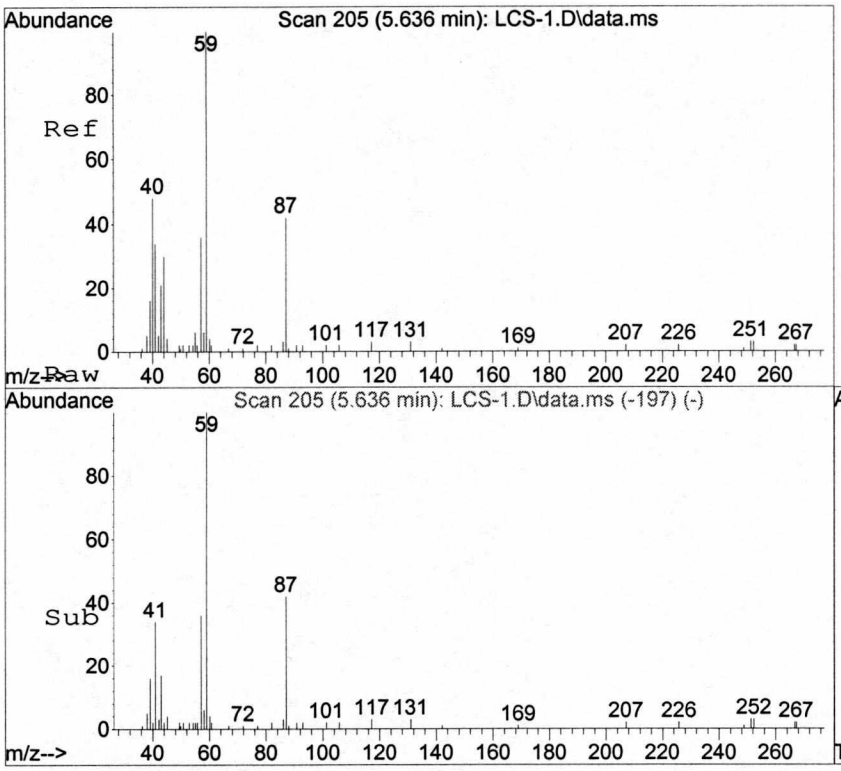
#33
2,2 Dichloropropane
Concen: 40.73 ppbv
RT: 5.488 min Scan# 192
Delta R.T. -0.011 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 77 Resp: 27903

Ion	Ratio	Lower	Upper
77	100		
97	18.3	20.6	30.8#



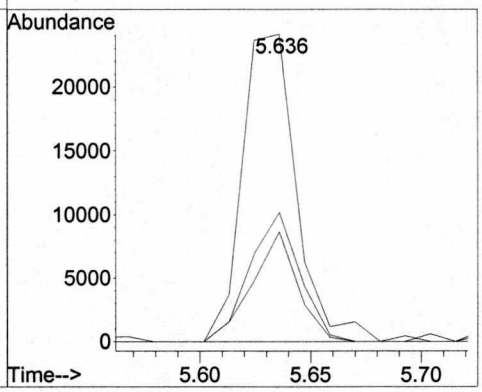


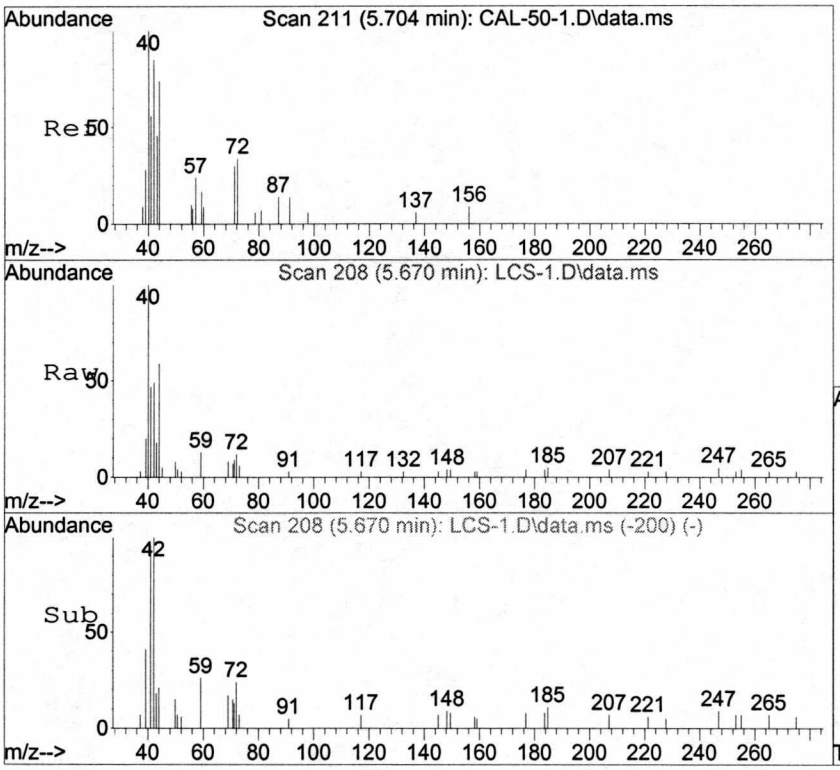


#34
Ethyl tert-Butyl Ether
Concen: 38.12 ppbv
RT: 5.636 min Scan# 205
Delta R.T. -0.011 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 59 Resp: 41283

Ion	Ratio	Lower	Upper
59	100		
57	30.2	19.9	29.9#
87	39.0	29.4	44.0

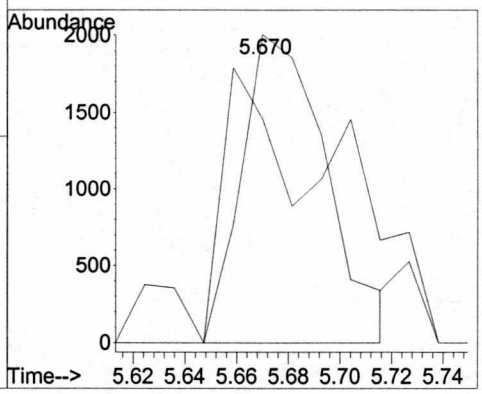


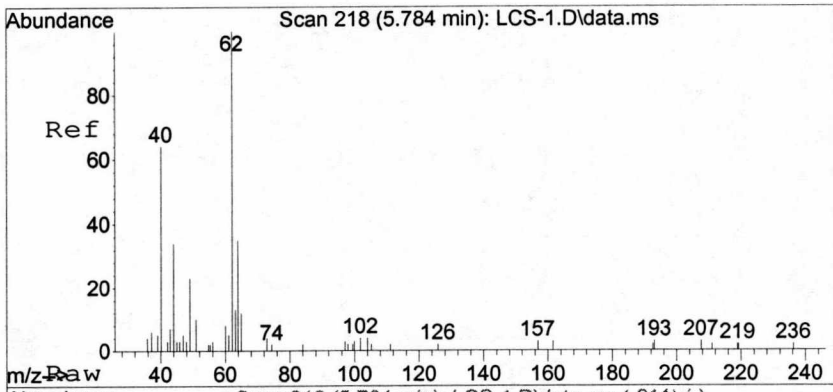


#35
Tetrahydrofuran
Concen: 46.12 ppbv
RT: 5.670 min Scan# 208
Delta R.T. -0.022 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 71 Resp: 4587

Ion	Ratio	Lower	Upper
71	100		
72	61.5	67.5	101.3#

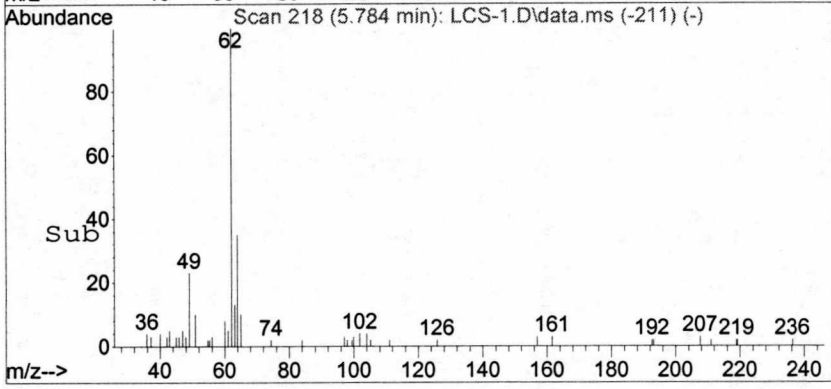


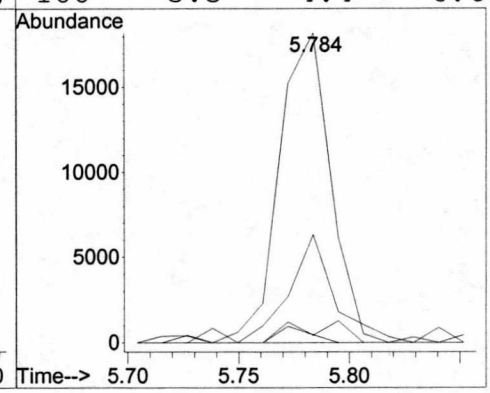


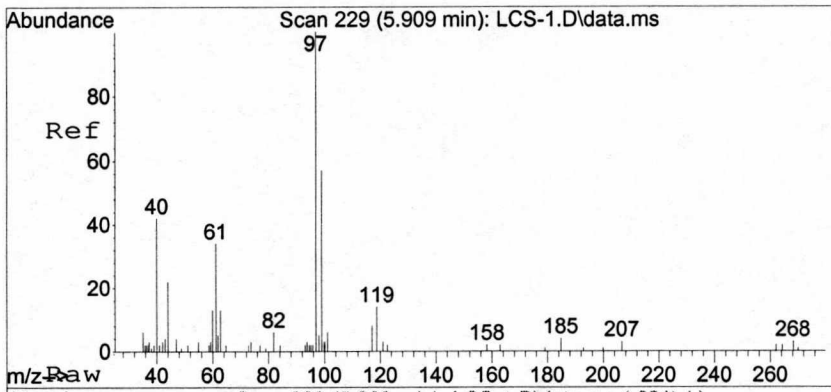
#37
1,2-Dichloroethane
Concen: 52.74 ppbv
RT: 5.784 min Scan# 218
Delta R.T. -0.022 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 62 Resp: 29319

Ion	Ratio	Lower	Upper
62	100		
64	30.7	25.6	38.4
98	6.8	3.0	4.4#
100	3.3	4.4	6.6#



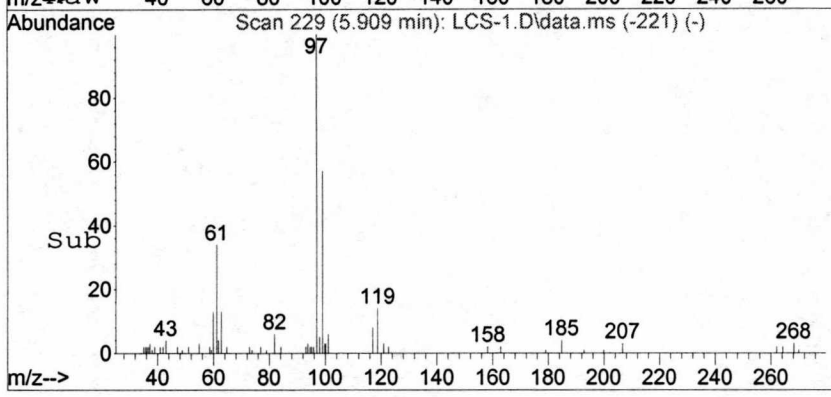


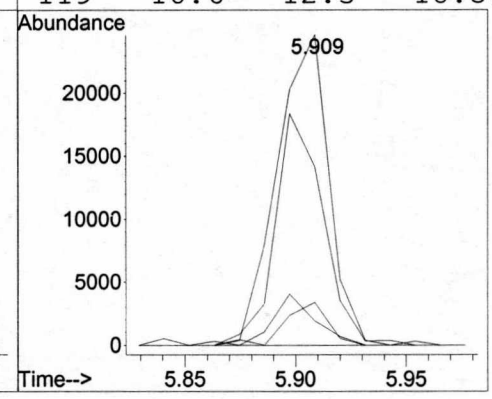


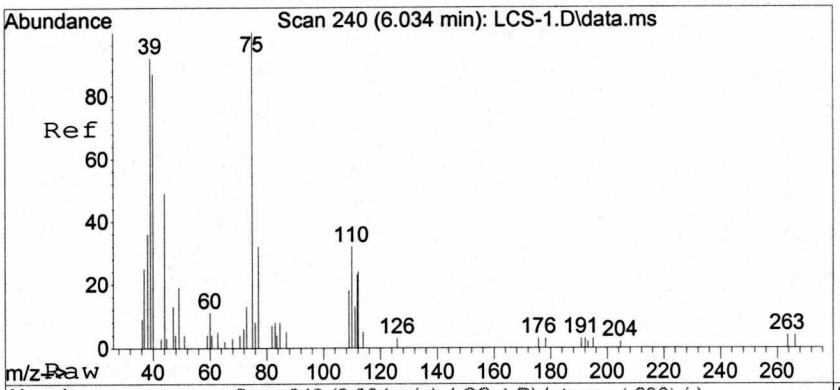
#38
1,1,1-Trichloroethane
Concen: 48.21 ppbv
RT: 5.909 min Scan# 229
Delta R.T. -0.011 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 97 Resp: 40168

Ion	Ratio	Lower	Upper
97	100		
99	68.8	57.8	86.8
117	13.1	6.7	10.1#
119	10.6	12.3	18.5#



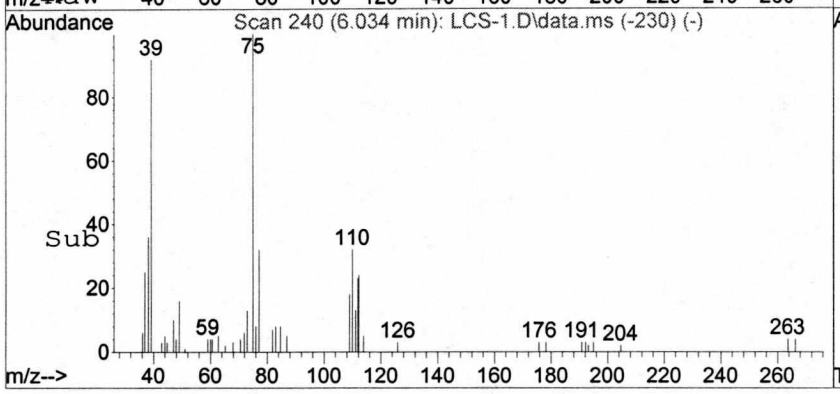


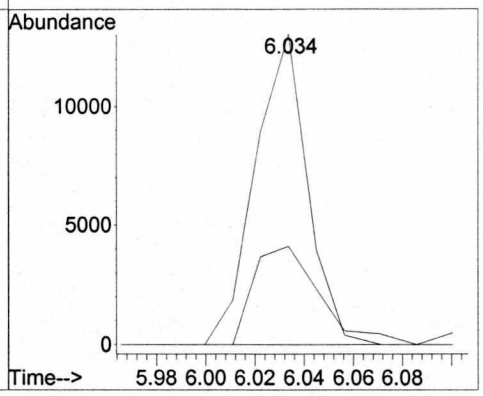


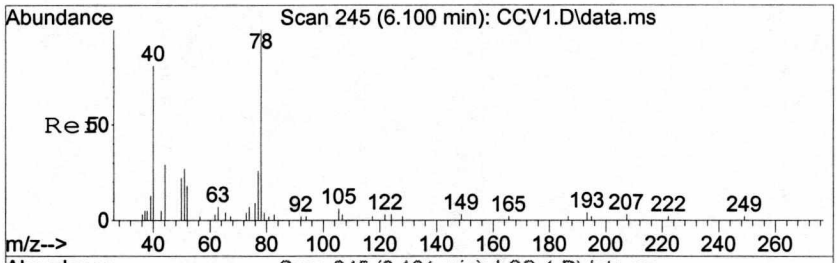
#39
1,1-Dichloropropene
Concen: 41.08 ppbv
RT: 6.034 min Scan# 240
Delta R.T. -0.012 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 75 Resp: 20179

Ion	Ratio	Lower	Upper
75	100		
110	41.3	23.5	35.3#



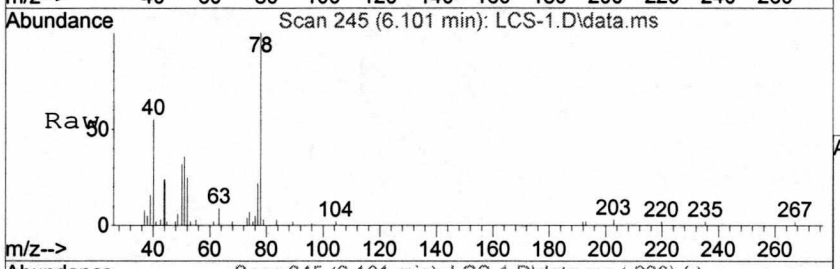


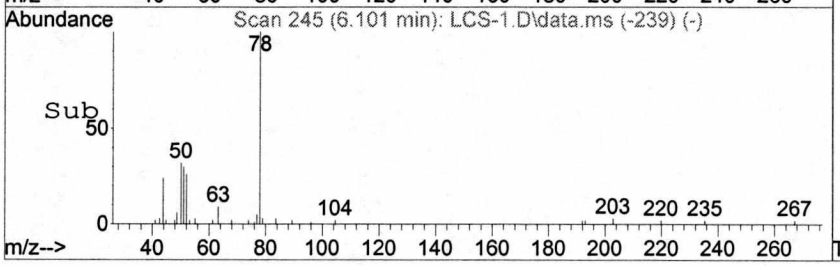


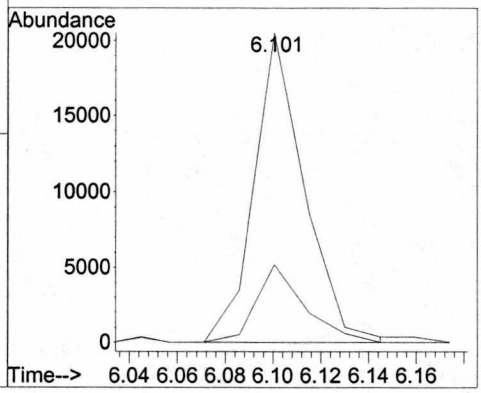
#40
Benzene
Concen: 42.91 ppbv
RT: 6.101 min Scan# 245
Delta R.T. -0.016 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

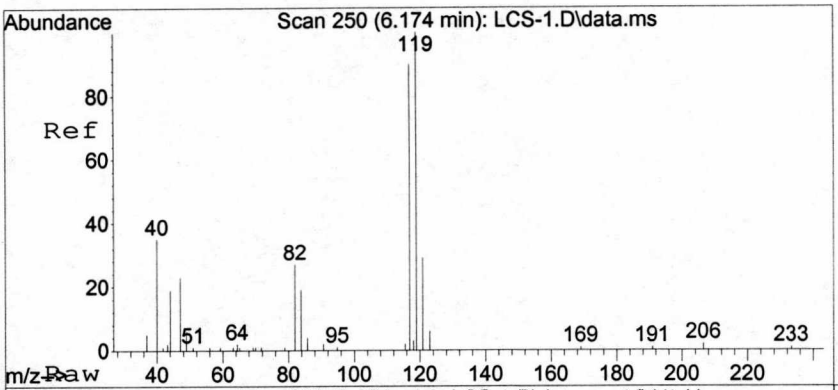
Tgt Ion: 78 Resp: 29933

Ion	Ratio	Lower	Upper
78	100		
52	24.3	16.1	24.1#





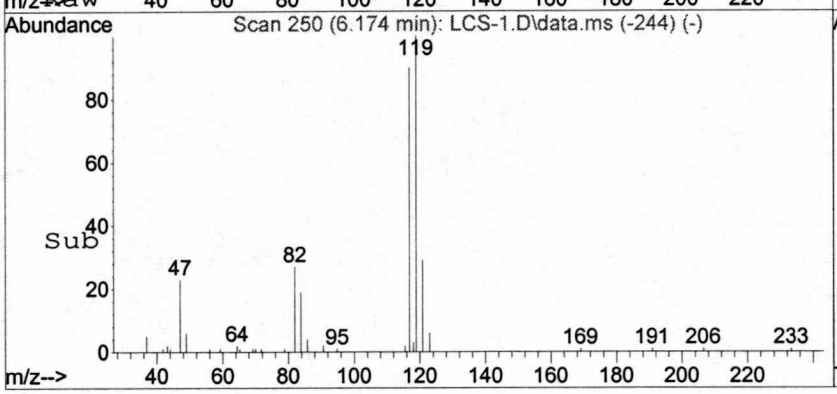


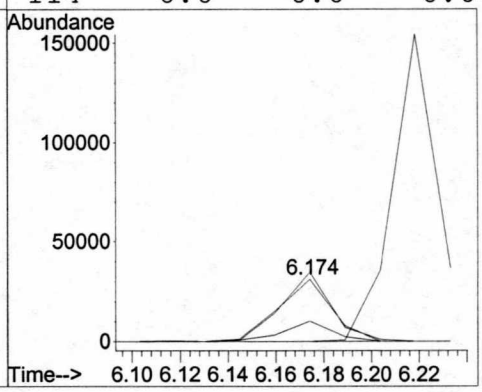


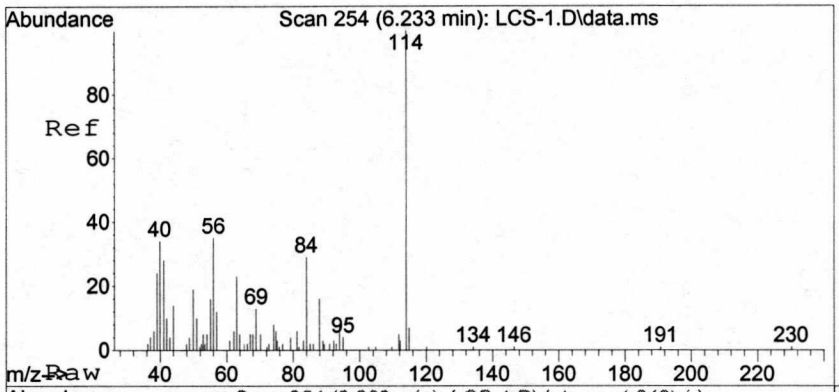
#41
Carbon Tetrachloride
Concen: 52.81 ppbv
RT: 6.174 min Scan# 250
Delta R.T. -0.014 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:117 Resp: 48798

Ion	Ratio	Lower	Upper
117	100		
119	103.8	73.4	110.0
121	29.9	21.9	32.9
114	0.0	0.0	0.0



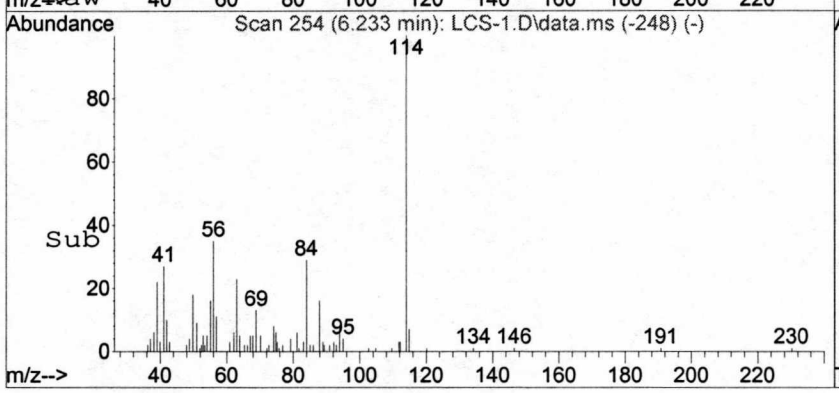


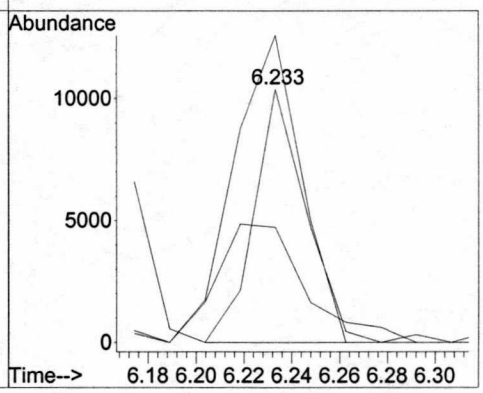


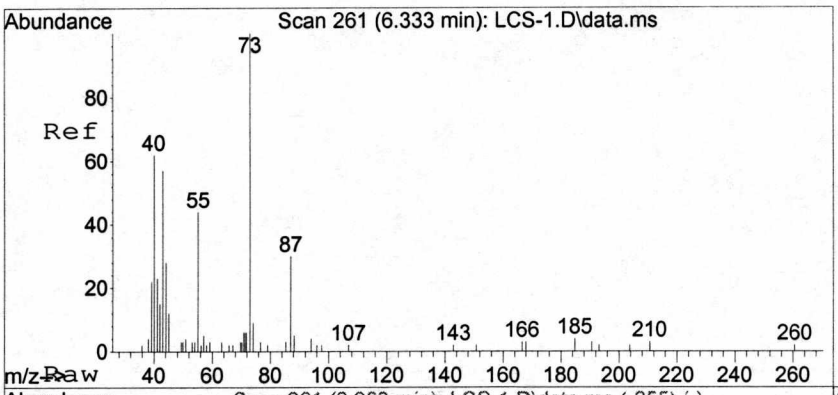
#43
Cyclohexane
Concen: 51.01 ppbv
RT: 6.233 min Scan# 254
Delta R.T. -0.014 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 84 Resp: 15632

Ion	Ratio	Lower	Upper
84	100		
56	158.8	112.8	169.2
69	80.7	55.4	83.2



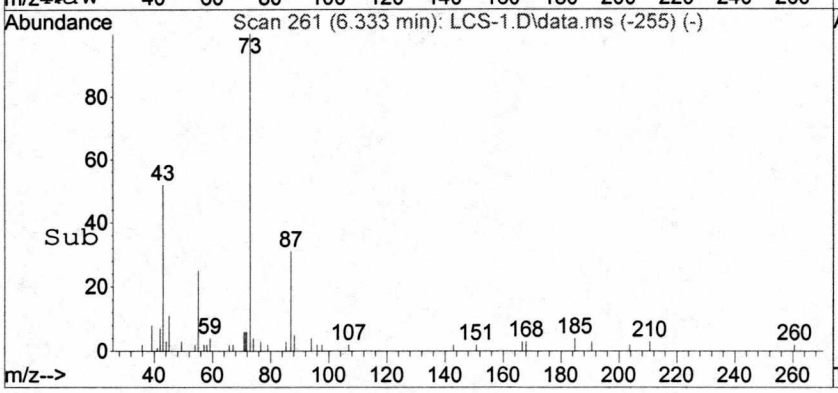


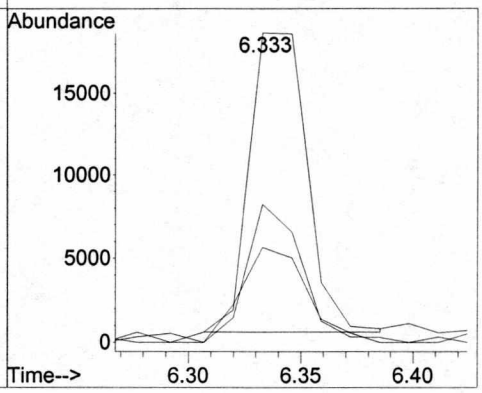


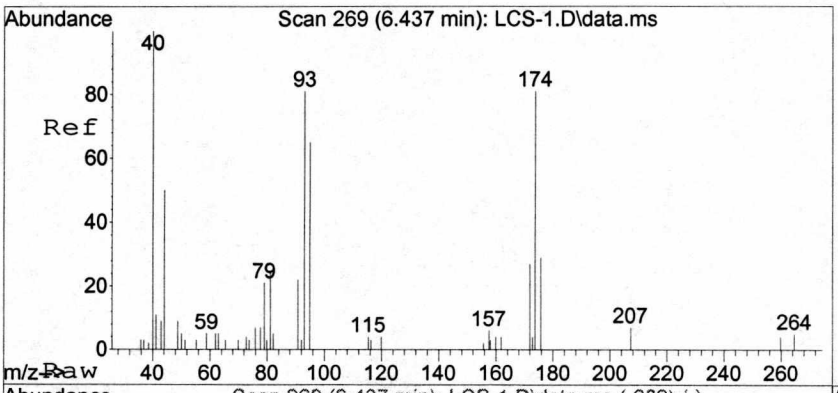
#44
tert-Amyl Methyl Ether
Concen: 40.23 ppbv
RT: 6.333 min Scan# 261
Delta R.T. -0.022 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 73 Resp: 32017

Ion	Ratio	Lower	Upper
73	100		
55	44.3	21.0	31.6#
87	36.3	23.6	35.4#



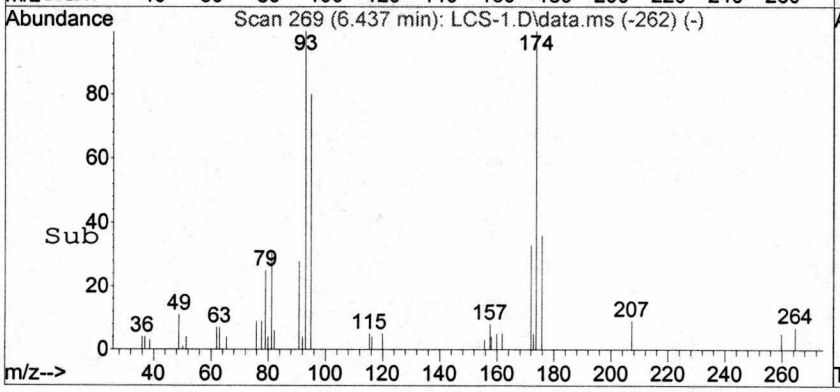


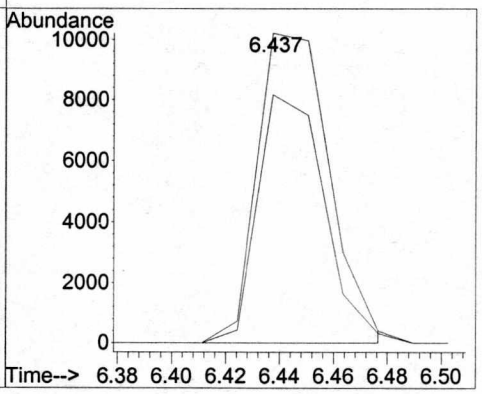


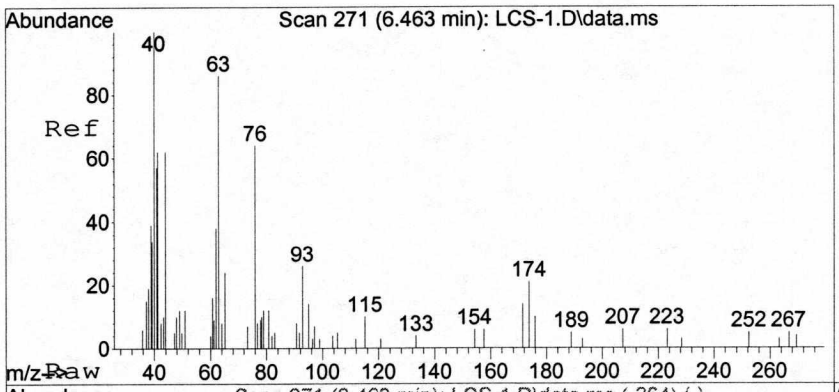
#45
Dibromomethane
Concen: 59.56 ppbv
RT: 6.437 min Scan# 269
Delta R.T. -0.008 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 93 Resp: 19046

Ion	Ratio	Lower	Upper
93	100		
95	74.1	106.1	159.1#



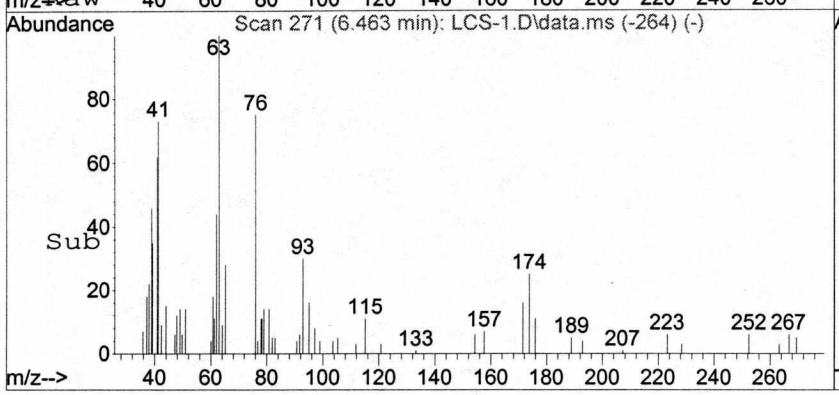


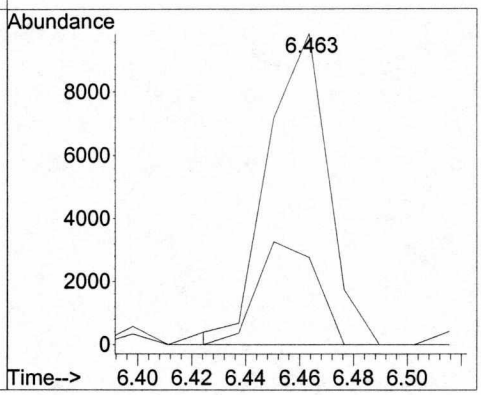


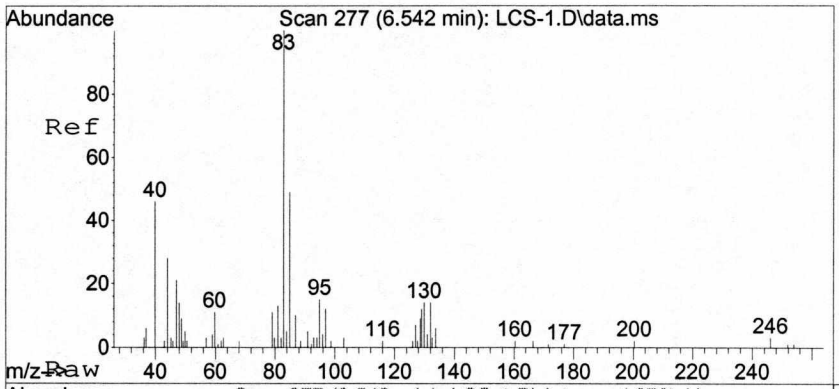
#46
1,2-Dichloropropane
Concen: 56.35 ppbv
RT: 6.463 min Scan# 271
Delta R.T. -0.013 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 63 Resp: 15239

Ion	Ratio	Lower	Upper
63	100		
65	32.9	18.8	28.2#



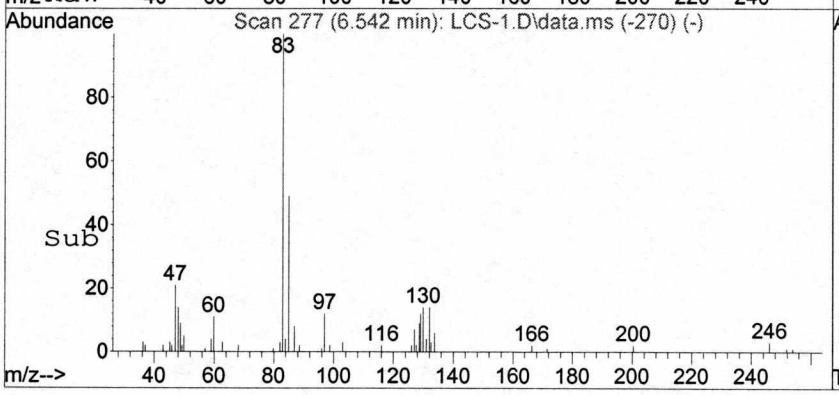


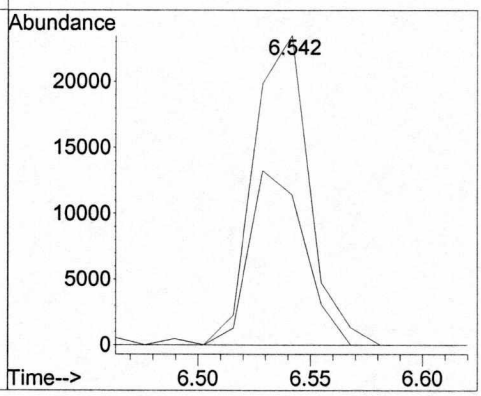


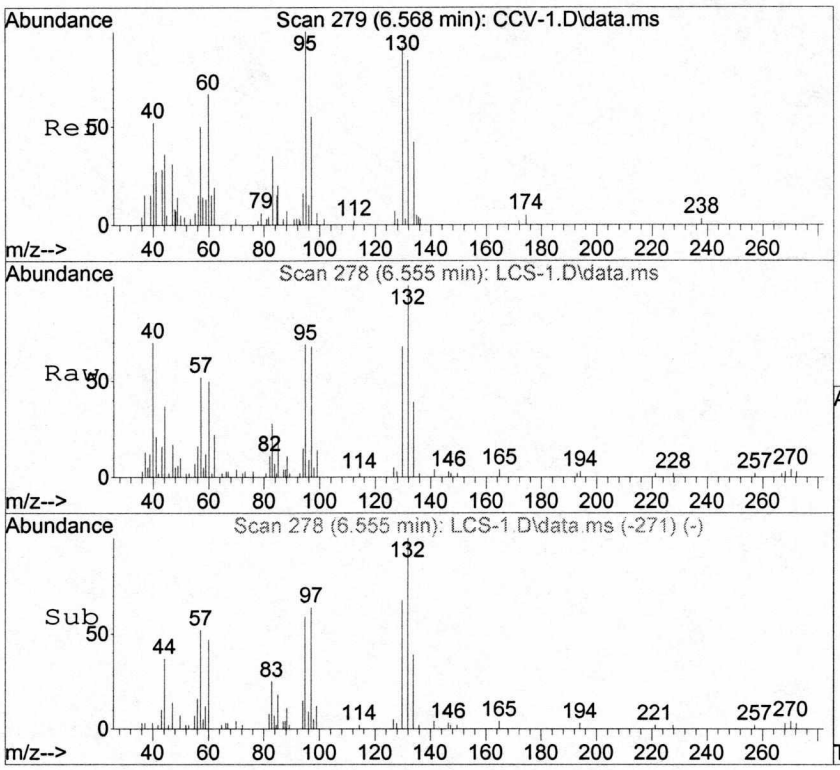
#47
Bromodichloromethane
Concen: 55.76 ppbv
RT: 6.542 min Scan# 277
Delta R.T. -0.013 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 83 Resp: 40479

Ion	Ratio	Lower	Upper
83	100		
85	56.2	44.0	66.0



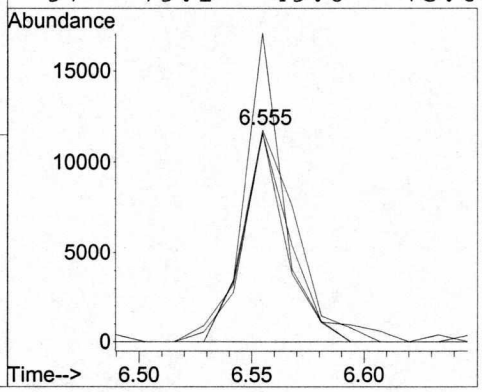


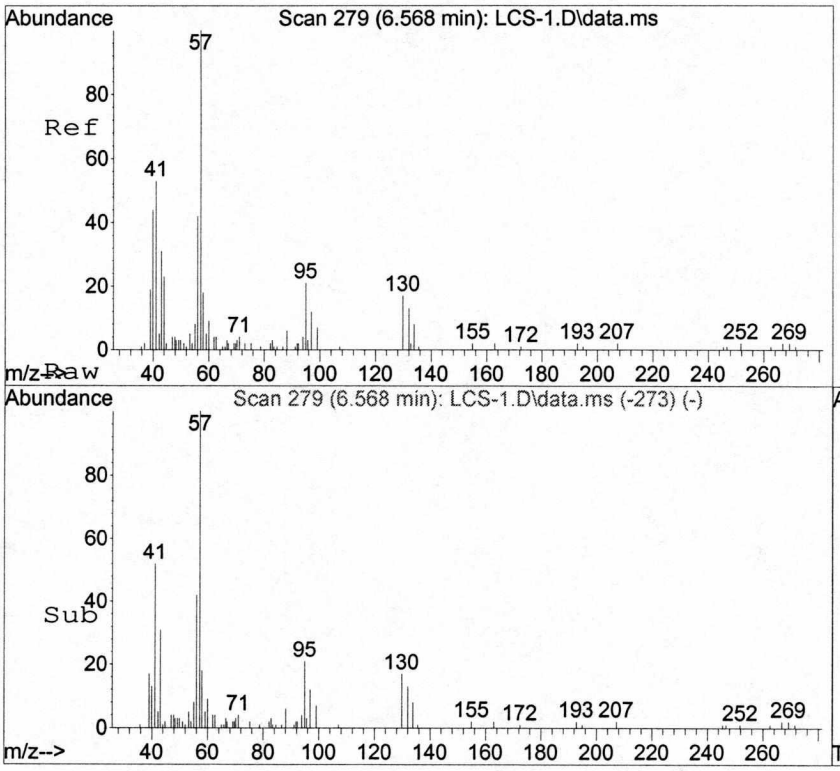


#48
Trichloroethene
Concen: 53.55 ppbv
RT: 6.555 min Scan# 278
Delta R.T. -0.013 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 95 Resp: 19647

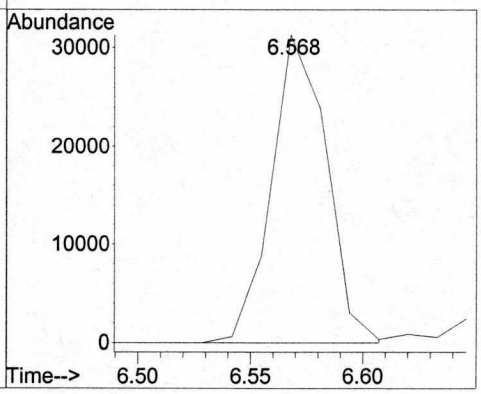
Ion	Ratio	Lower	Upper
95	100		
130	92.2	84.2	126.2
132	102.6	59.5	89.3#
97	79.1	49.0	73.6#

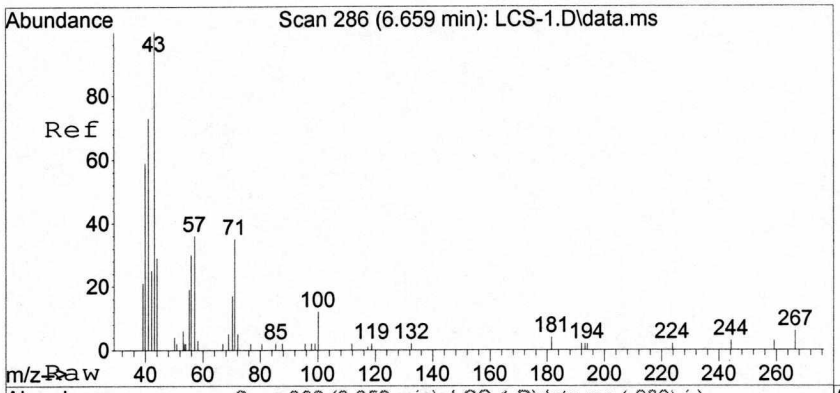




#50
2,2,4-Trimethylpentane
Concen: 39.49 ppbv
RT: 6.568 min Scan# 279
Delta R.T. -0.026 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 57 Resp: 53232

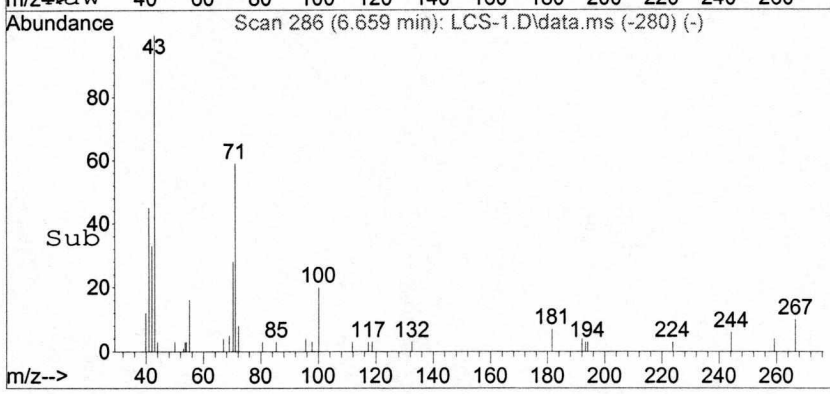


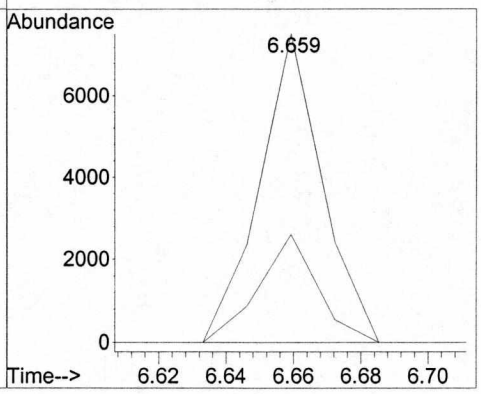


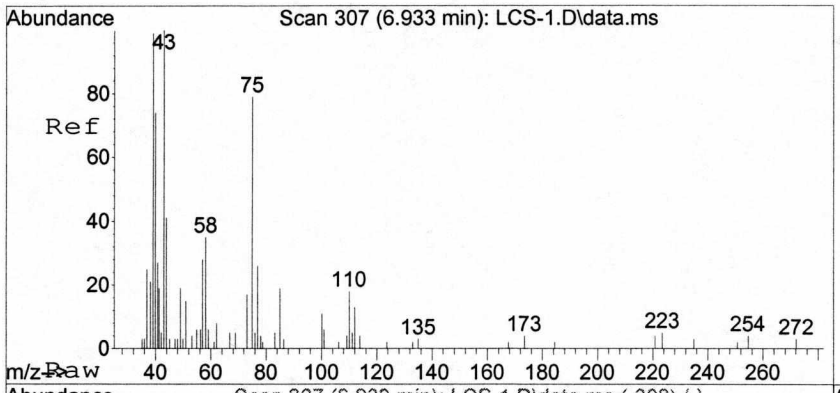
#51
n-Heptane
Concen: 43.60 ppbv
RT: 6.659 min Scan# 286
Delta R.T. -0.026 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 71 Resp: 9634

Ion	Ratio	Lower	Upper
71	100		
100	32.7	9.8	14.8#



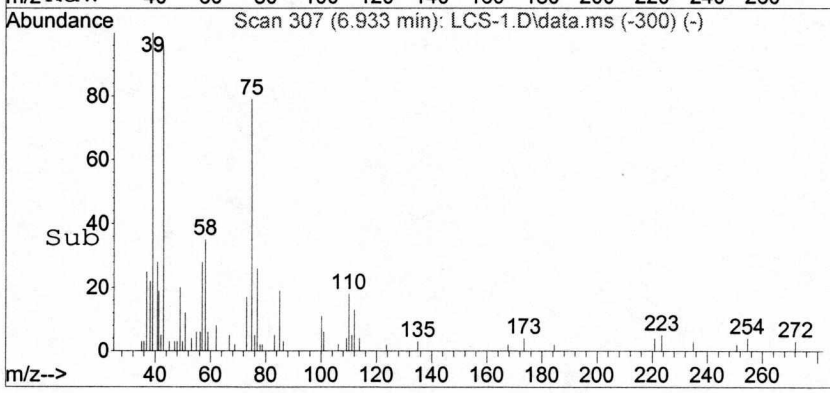


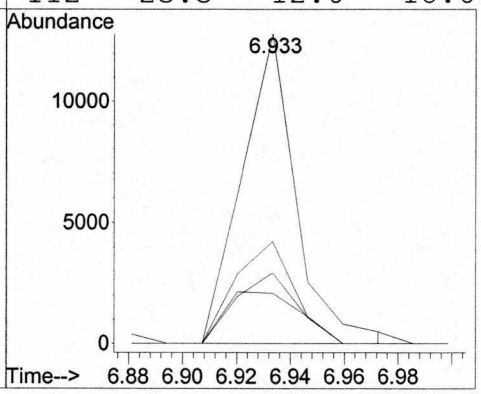


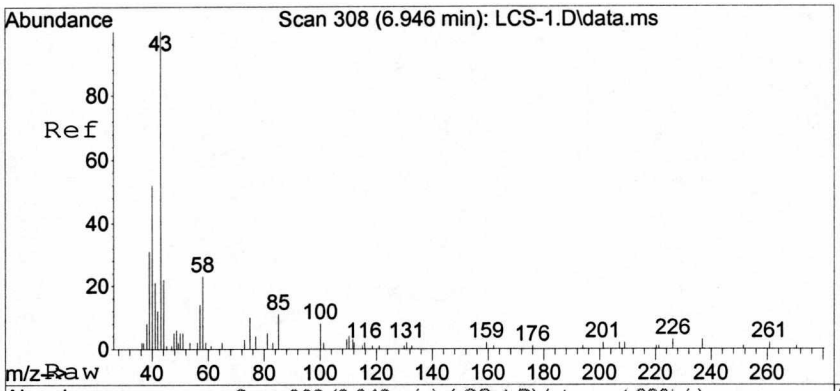
#52
cis-1,3-Dichloropropene
Concen: 37.62 ppbv
RT: 6.933 min Scan# 307
Delta R.T. -0.013 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 75 Resp: 17873

Ion	Ratio	Lower	Upper
75	100		
110	26.1	17.1	25.7#
77	36.1	25.0	37.4
112	23.5	12.0	18.0#



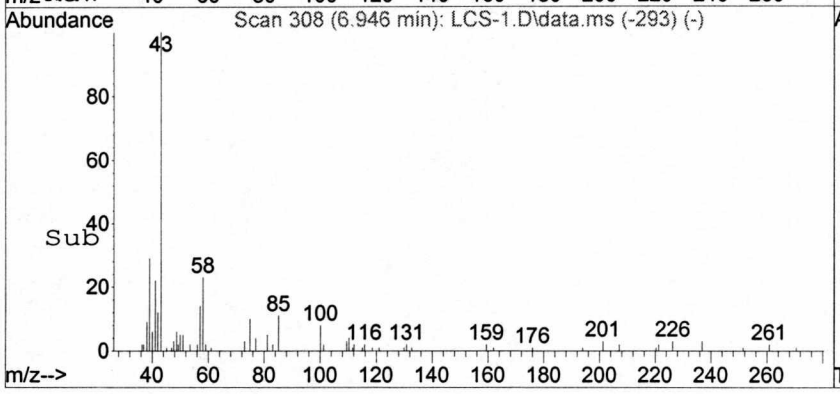


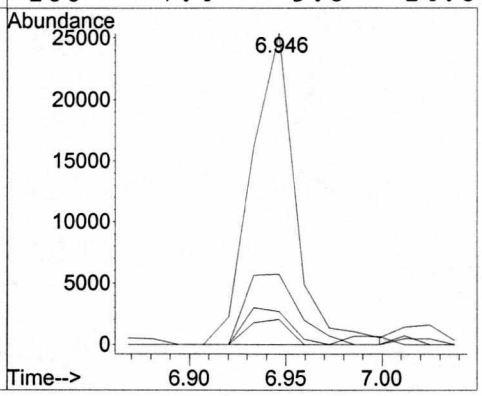


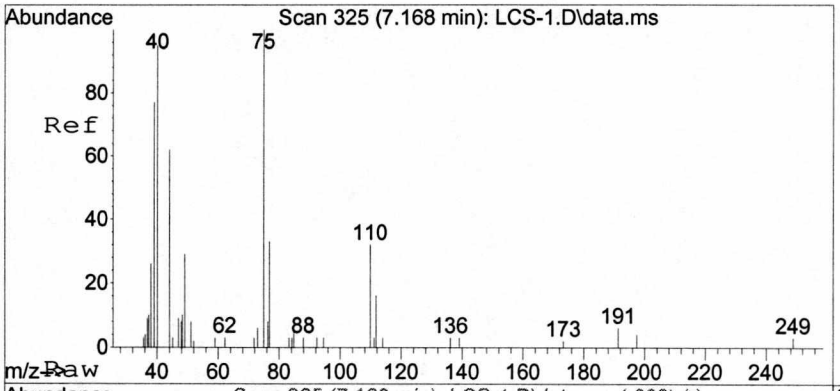
#53
4-Methyl-2-Pentanone
Concen: 45.82 ppbv
RT: 6.946 min Scan# 308
Delta R.T. -0.013 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 43 Resp: 40468

Ion	Ratio	Lower	Upper
43	100		
58	27.2	26.1	39.1
85	11.9	7.8	11.8#
100	7.4	9.8	14.8#



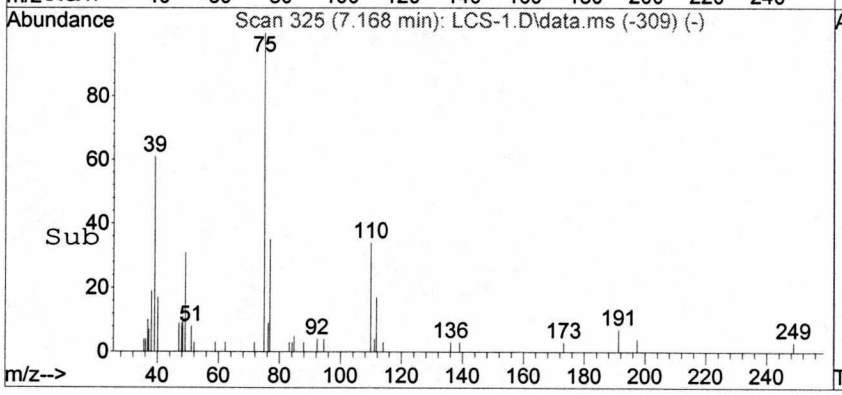


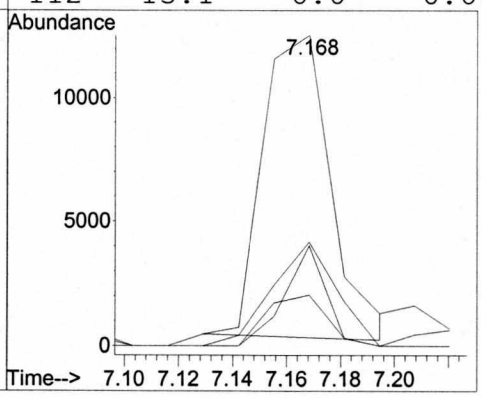


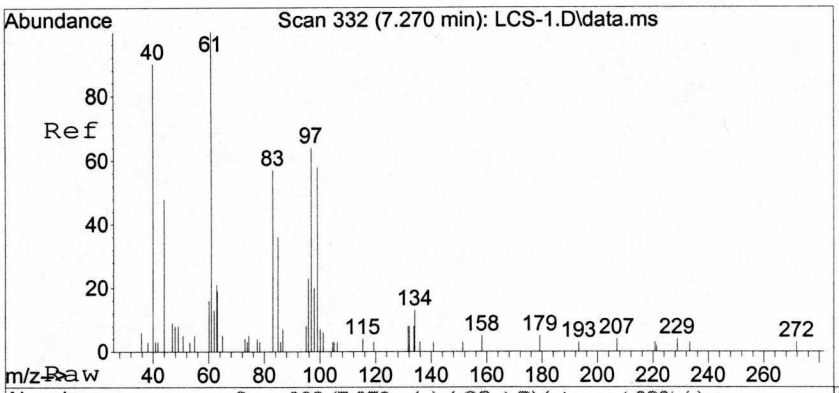
#54
trans-1,3-Dichloropene
Concen: 41.66 ppbv
RT: 7.168 min Scan# 325
Delta R.T. 0.008 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 75 Resp: 21253

Ion	Ratio	Lower	Upper
75	100		
110	20.3	18.5	27.7
77	32.4	44.1	66.1#
112	15.1	0.0	0.0#



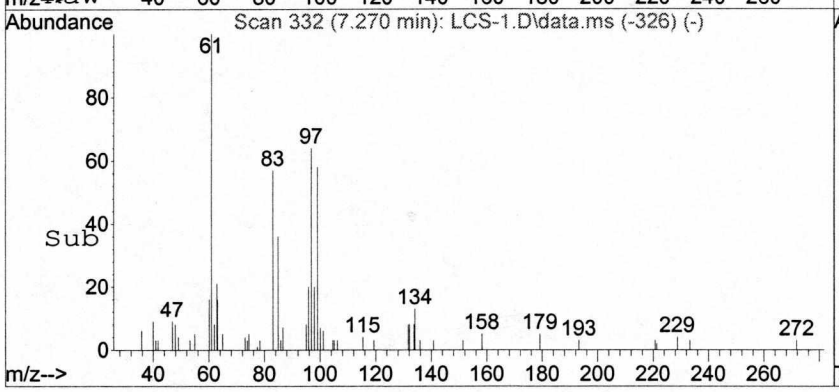


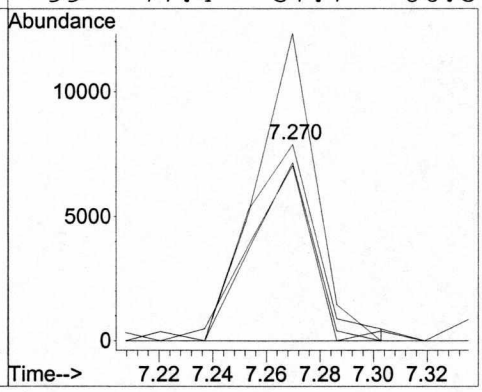


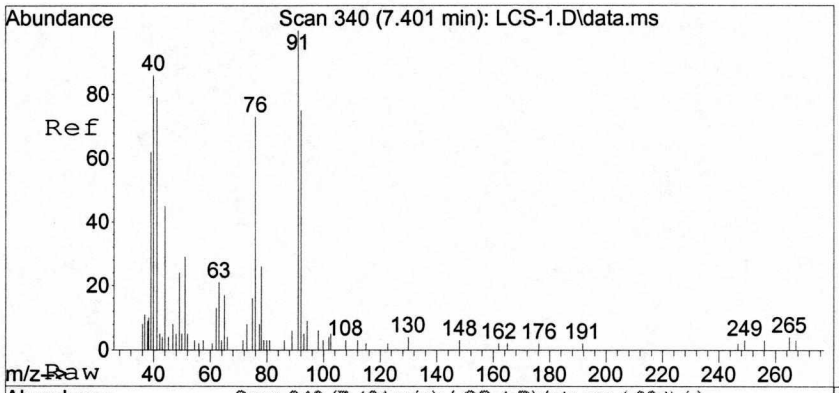
#55
1,1,2-Trichloroethane
Concen: 46.42 ppbv
RT: 7.270 min Scan# 332
Delta R.T. -0.016 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 97 Resp: 14328

Ion	Ratio	Lower	Upper
97	100		
83	78.4	48.6	73.0#
61	130.1	52.6	78.8#
99	77.4	57.7	86.5



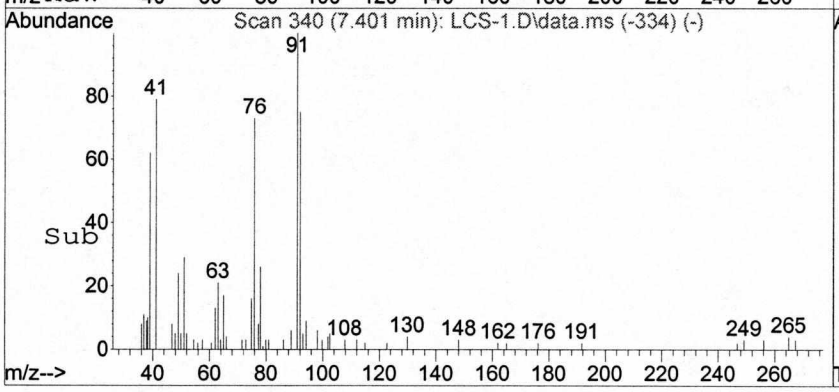


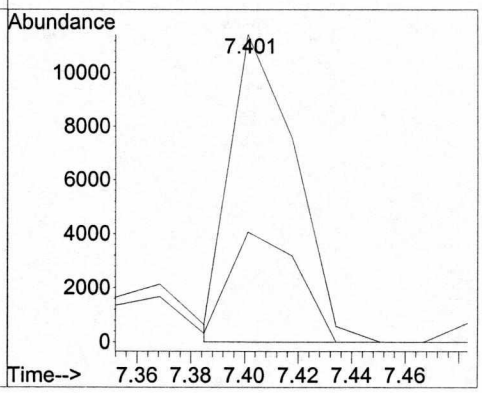


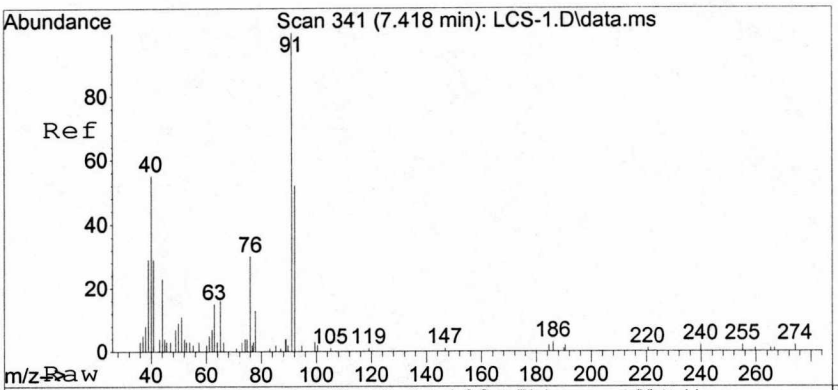
#57
1,3 Dichloropropane
Concen: 45.66 ppbv
RT: 7.401 min Scan# 340
Delta R.T. -0.016 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 76 Resp: 19289

Ion	Ratio	Lower	Upper
76	100		
78	37.1	31.3	46.9



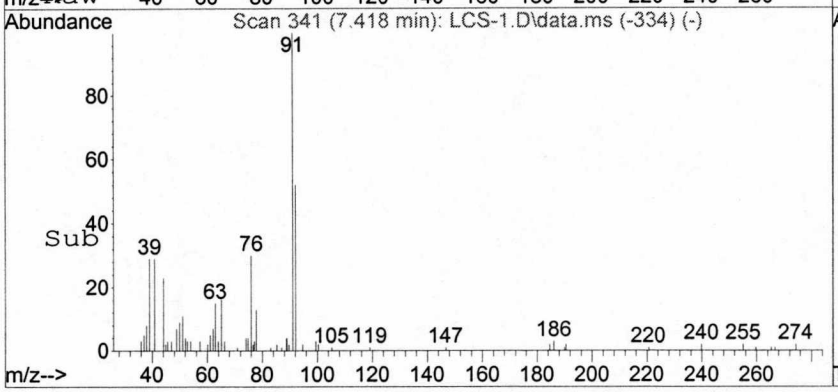


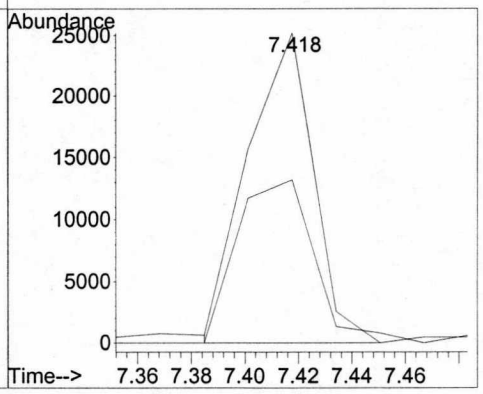


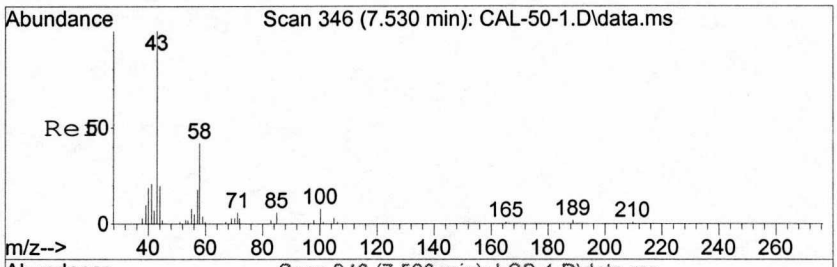
#58
Toluene
Concen: 43.81 ppbv
RT: 7.418 min Scan# 341
Delta R.T. 0.000 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

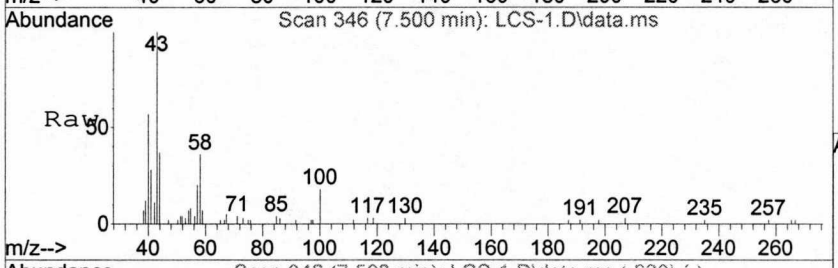
Tgt Ion: 91 Resp: 42809

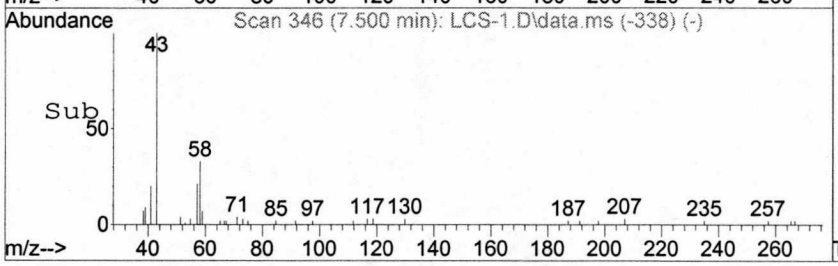
Ion	Ratio	Lower	Upper
91	100		
92	62.3	49.9	74.9







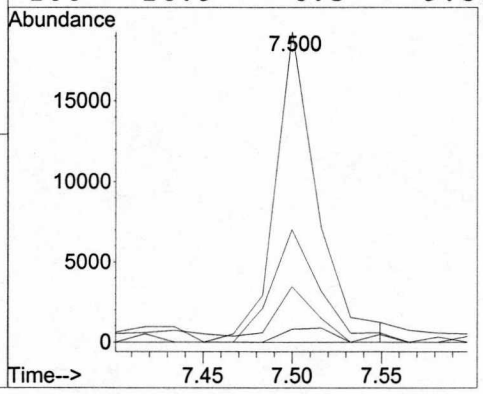


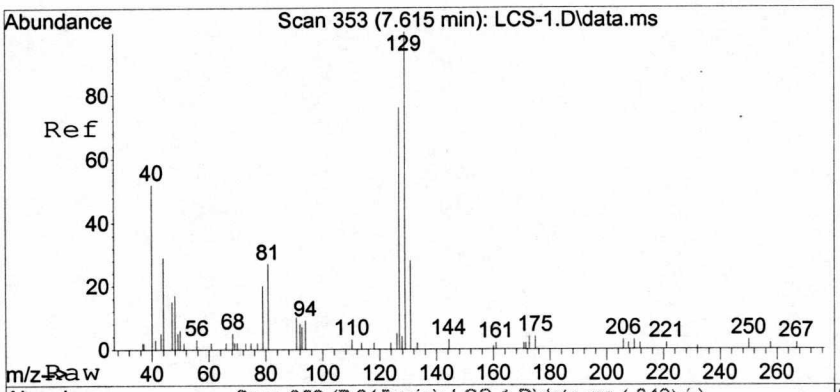


#59
2-Hexanone
Concen: 41.37 ppbv
RT: 7.500 min Scan# 346
Delta R.T. 0.000 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 43 Resp: 32078

Ion	Ratio	Lower	Upper
43	100		
58	39.5	42.2	63.4#
85	5.1	3.3	4.9#
100	16.9	6.3	9.5#

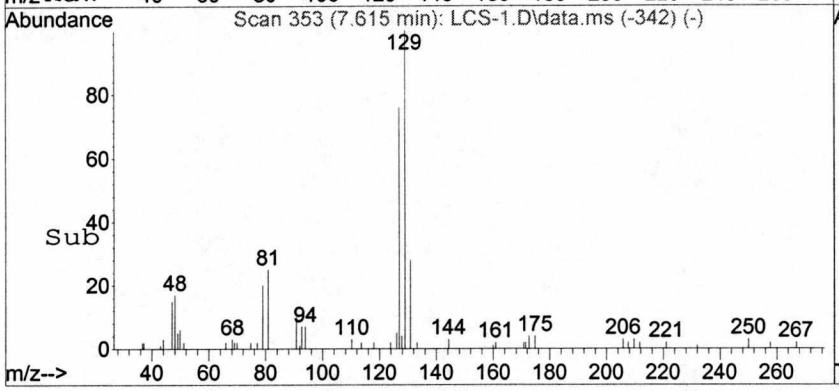


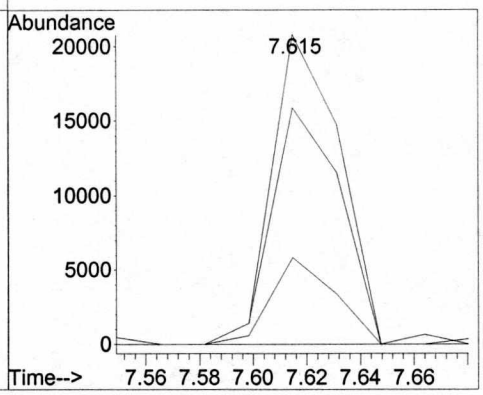


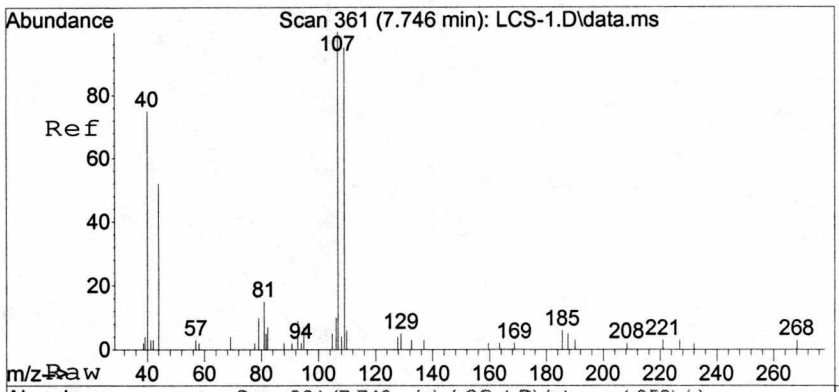
#60
Dibromochloromethane
Concen: 46.36 ppbv
RT: 7.615 min Scan# 353
Delta R.T. -0.016 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:129 Resp: 36398

Ion	Ratio	Lower	Upper
129	100		
127	78.0	70.1	105.1
131	26.5	23.0	34.6



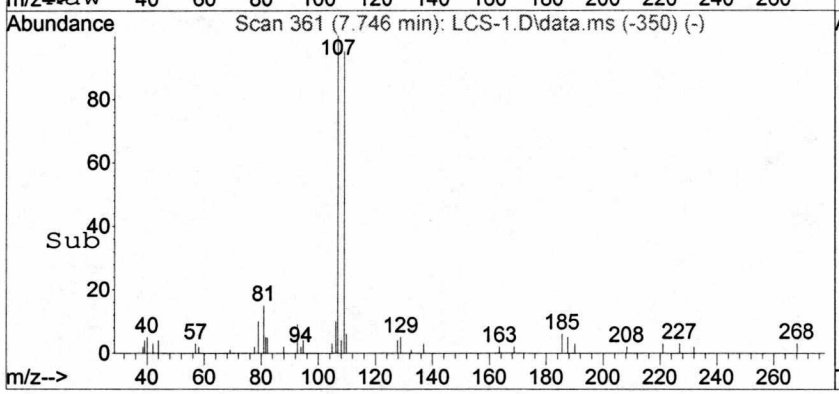


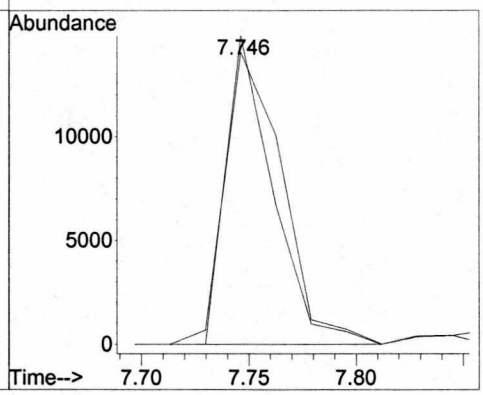


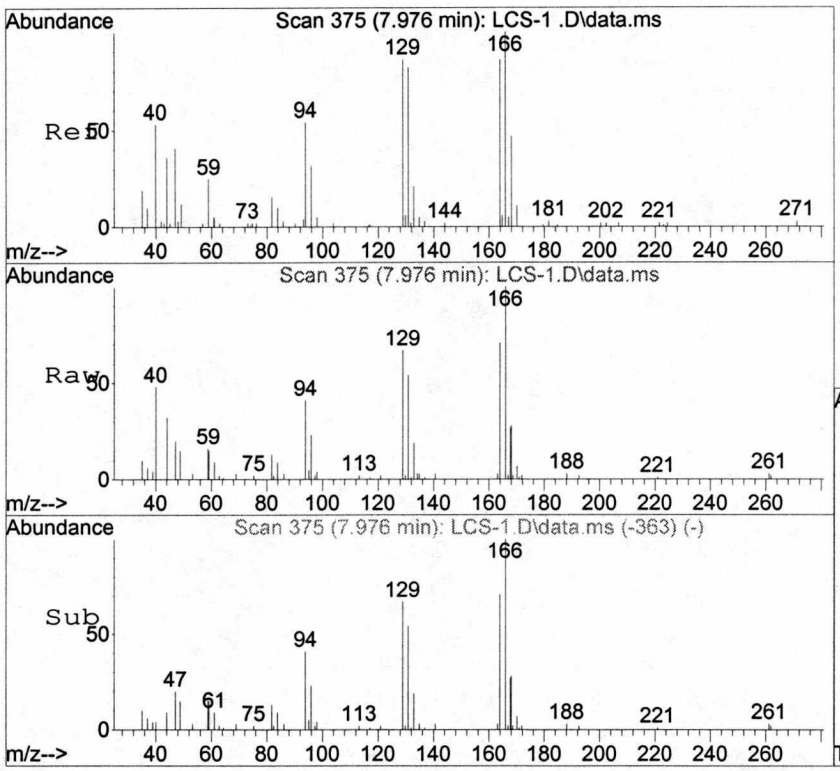
#61
1,2-Dibromoethane
Concen: 42.90 ppbv
RT: 7.746 min Scan# 361
Delta R.T. -0.016 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:107 Resp: 22813

Ion	Ratio	Lower	Upper
107	100		
109	115.2	71.6	107.4#



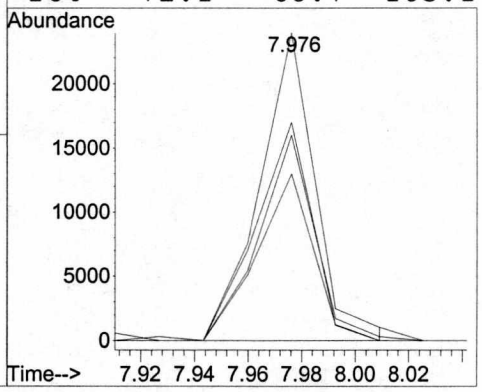


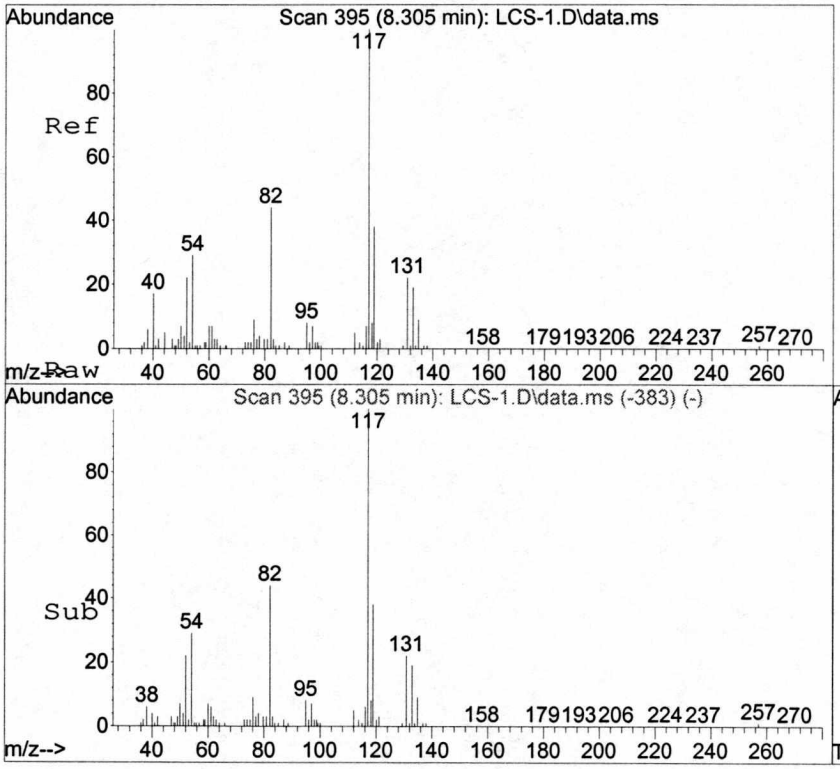


#62
Tetrachloroethene
Concen: 65.66 ppbv
RT: 7.976 min Scan# 375
Delta R.T. 0.000 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:166 Resp: 34495

Ion	Ratio	Lower	Upper
166	100		
131	55.2	65.7	98.5#
129	67.0	68.8	103.2#
164	72.1	68.7	103.1

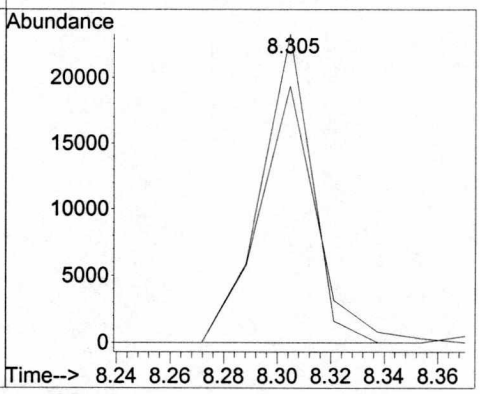


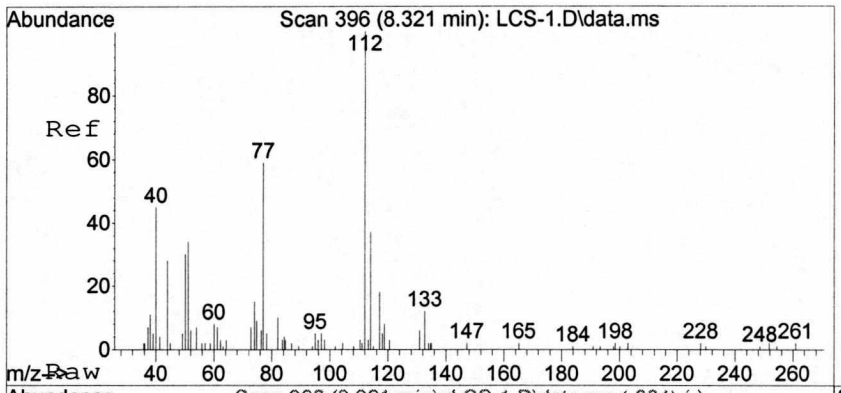


#64
1,1,1,2 Tetrachloroethane
Concen: 54.31 ppbv
RT: 8.305 min Scan# 395
Delta R.T. 0.000 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:131 Resp: 30412

Ion	Ratio	Lower	Upper
131	100		
133	95.2	82.7	124.1

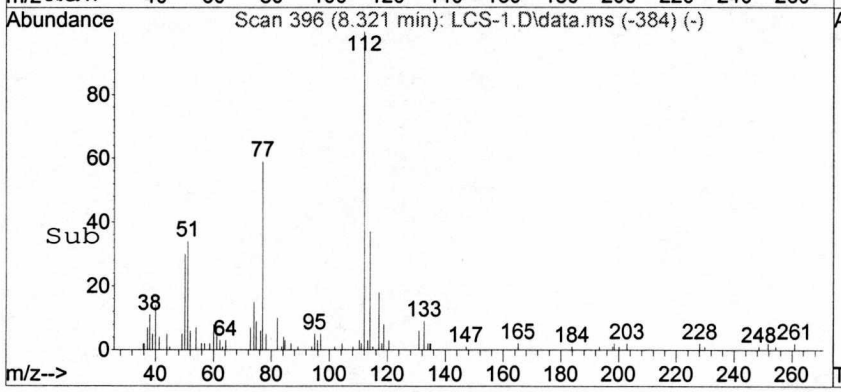


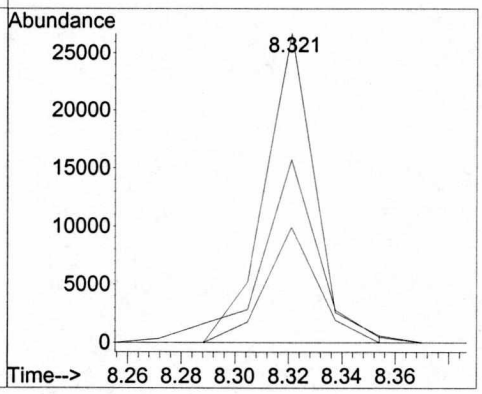


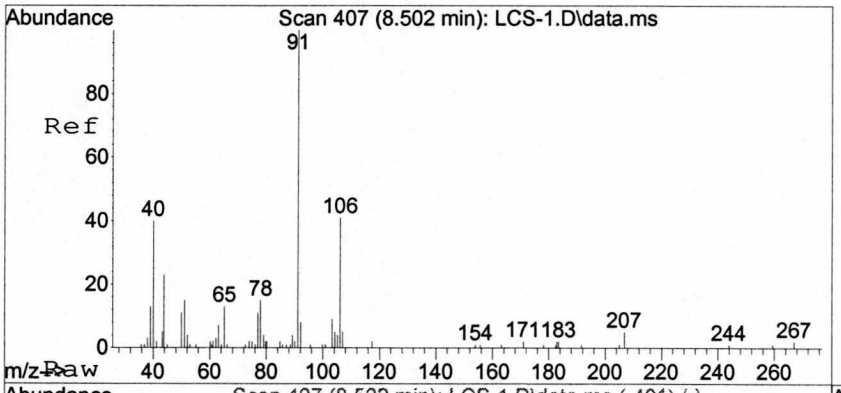
#65
Chlorobenzene
Concen: 40.73 ppbv
RT: 8.321 min Scan# 396
Delta R.T. 0.000 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:112 Resp: 34619

Ion	Ratio	Lower	Upper
112	100		
114	38.9	22.4	33.6#
77	67.9	43.5	65.3#



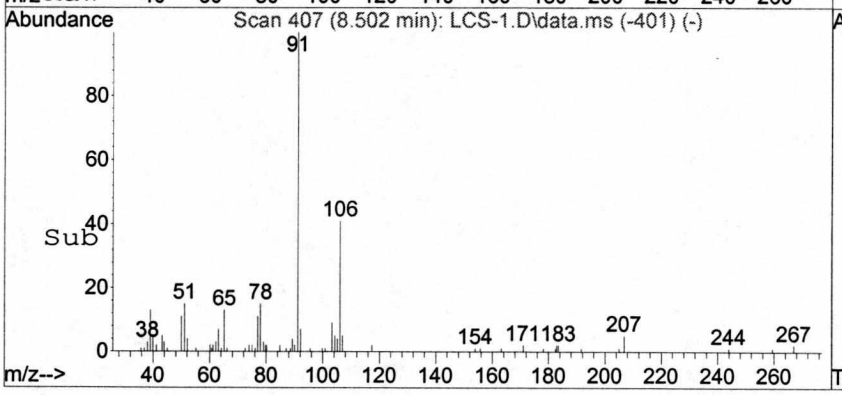


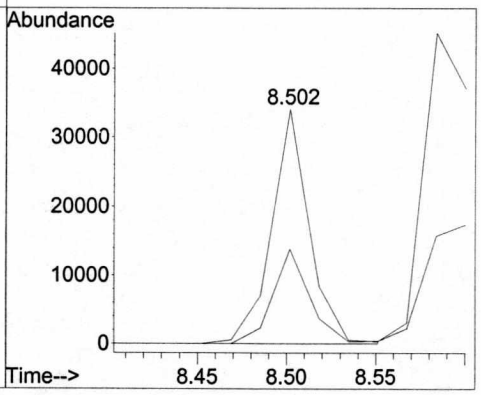


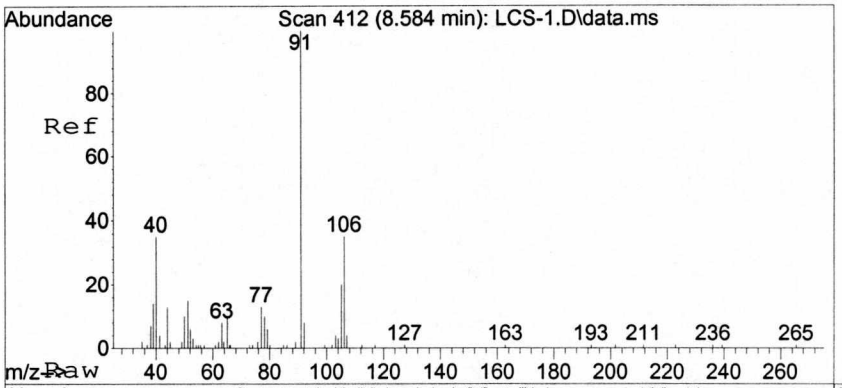
#66
Ethylbenzene
Concen: 33.06 ppbv
RT: 8.502 min Scan# 407
Delta R.T. -0.016 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 91 Resp: 50061

Ion	Ratio	Lower	Upper
91	100		
106	39.6	27.0	40.4



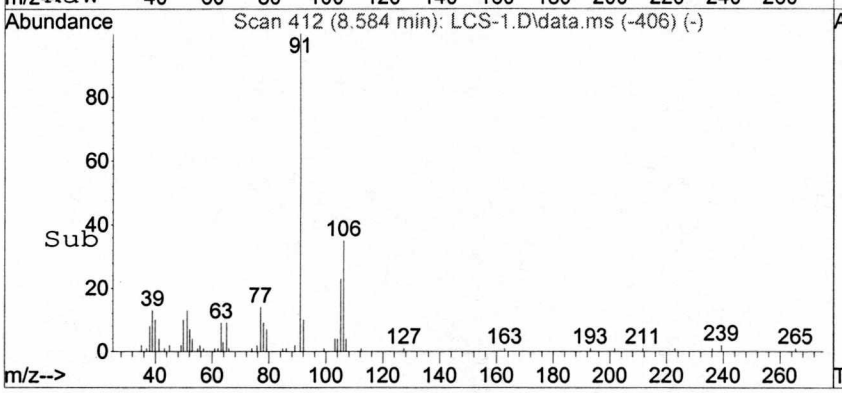


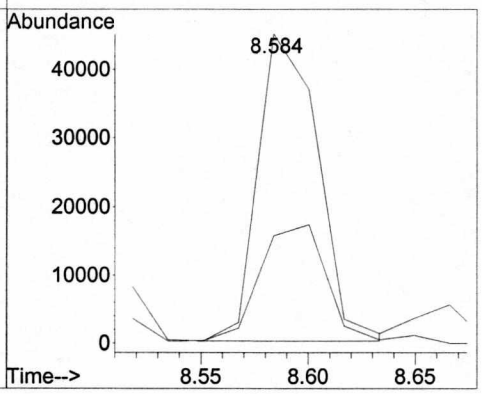


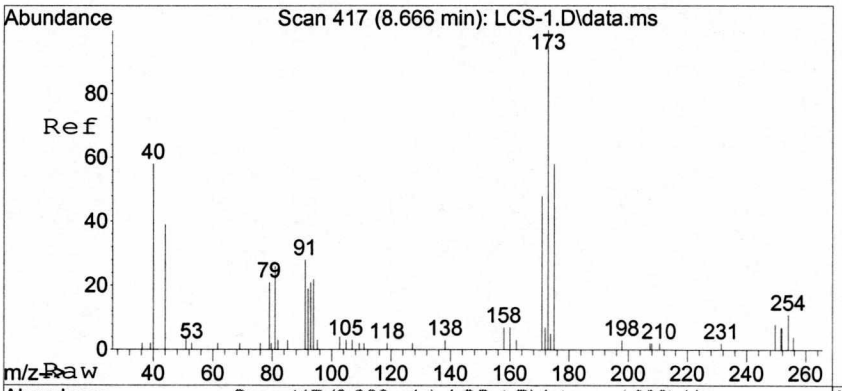
#67
m,p-xylene
Concen: 74.49 ppbv
RT: 8.584 min Scan# 412
Delta R.T. -0.016 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 91 Resp: 87393

Ion	Ratio	Lower	Upper
91	100		
106	41.6	35.2	52.8



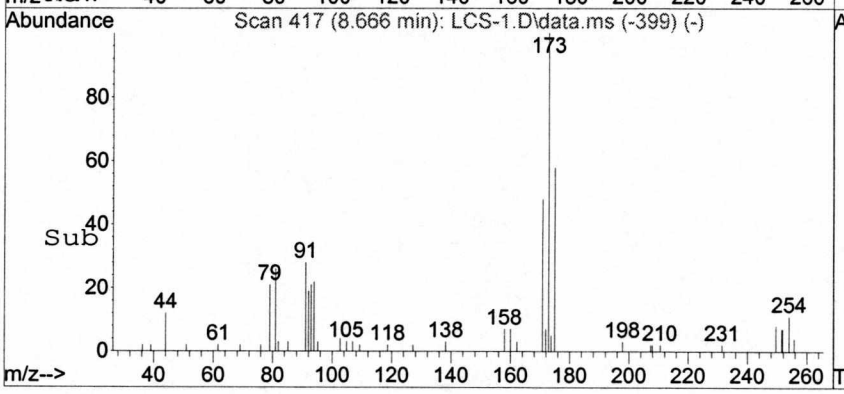


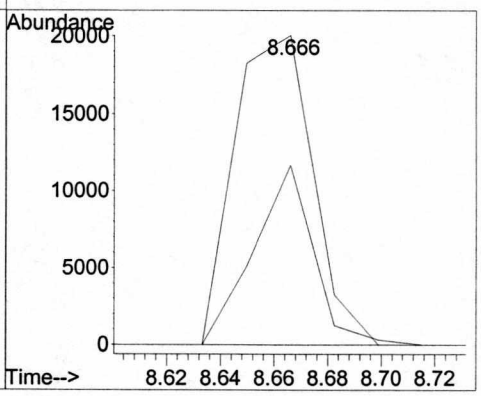


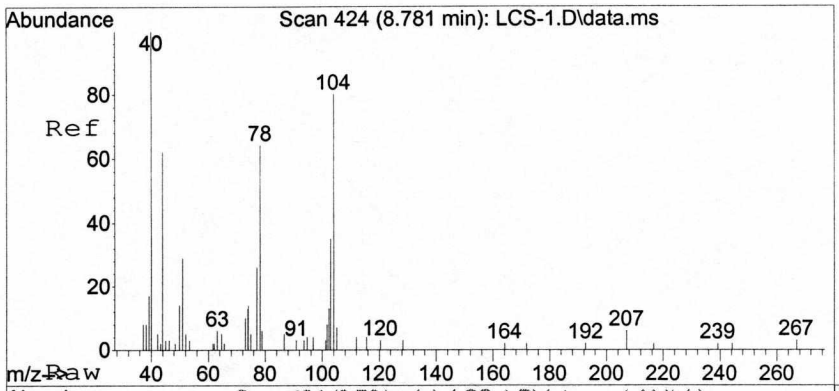
#68
Bromoform
Concen: 45.56 ppbv
RT: 8.666 min Scan# 417
Delta R.T. 0.000 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:173 Resp: 40915

Ion	Ratio	Lower	Upper
173	100		
175	44.1	22.5	62.5



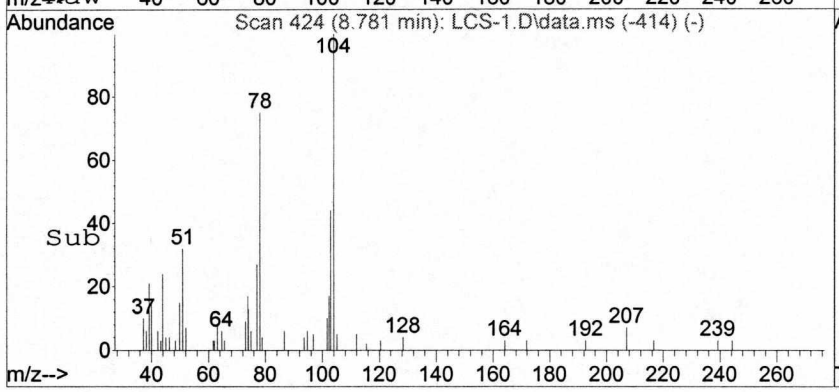


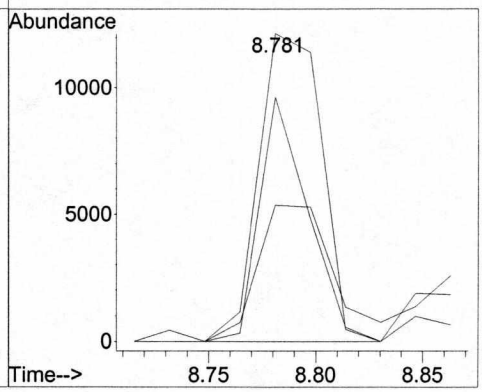


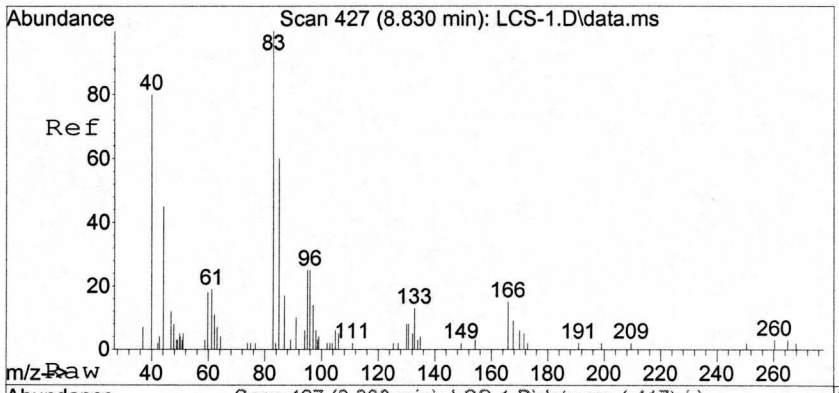
#69
Styrene
Concen: 28.83 ppbv
RT: 8.781 min Scan# 424
Delta R.T. -0.033 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:104 Resp: 24829

Ion	Ratio	Lower	Upper
104	100		
78	60.9	33.7	50.5#
103	53.5	42.8	64.2



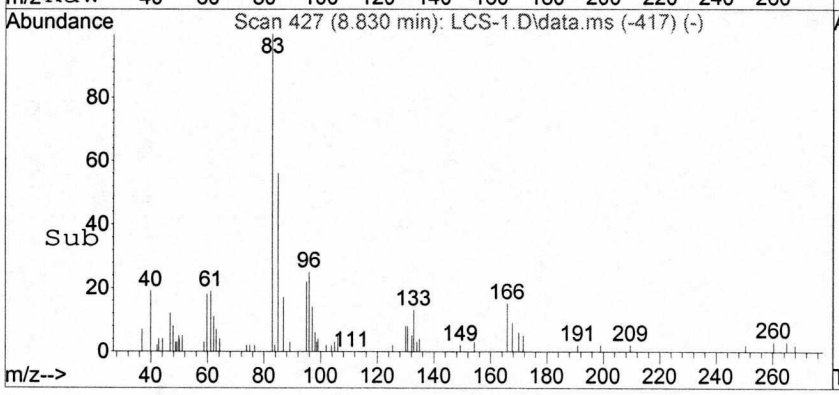


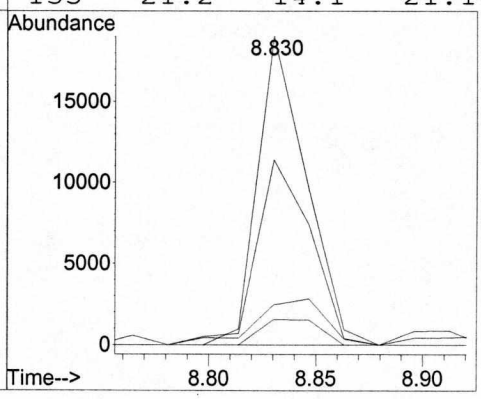


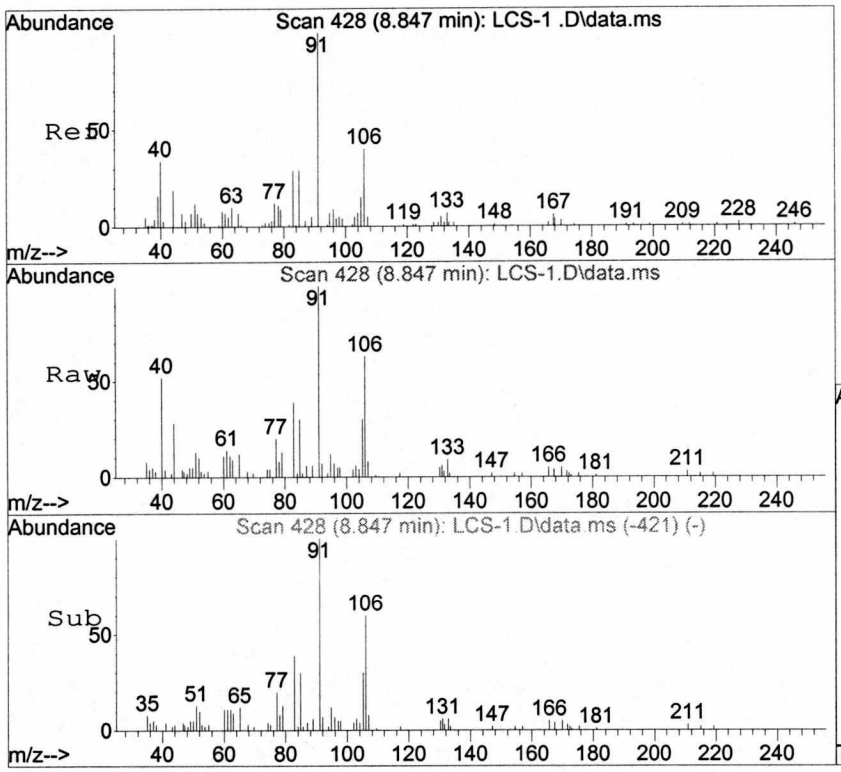
#70
1,1,2,2-Tetrachloroethane
Concen: 45.14 ppbv
RT: 8.830 min Scan# 427
Delta R.T. -0.033 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 83 Resp: 30065

Ion	Ratio	Lower	Upper
83	100		
85	65.1	58.6	88.0
131	10.1	14.1	21.1#
133	21.2	14.1	21.1#



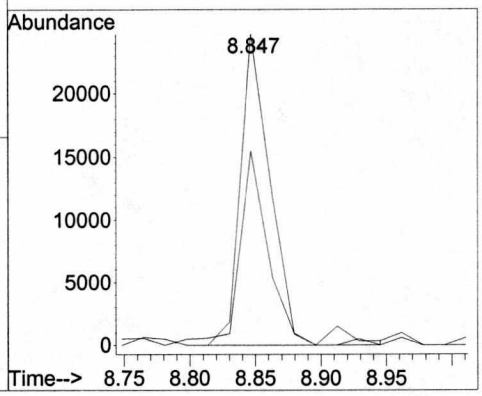


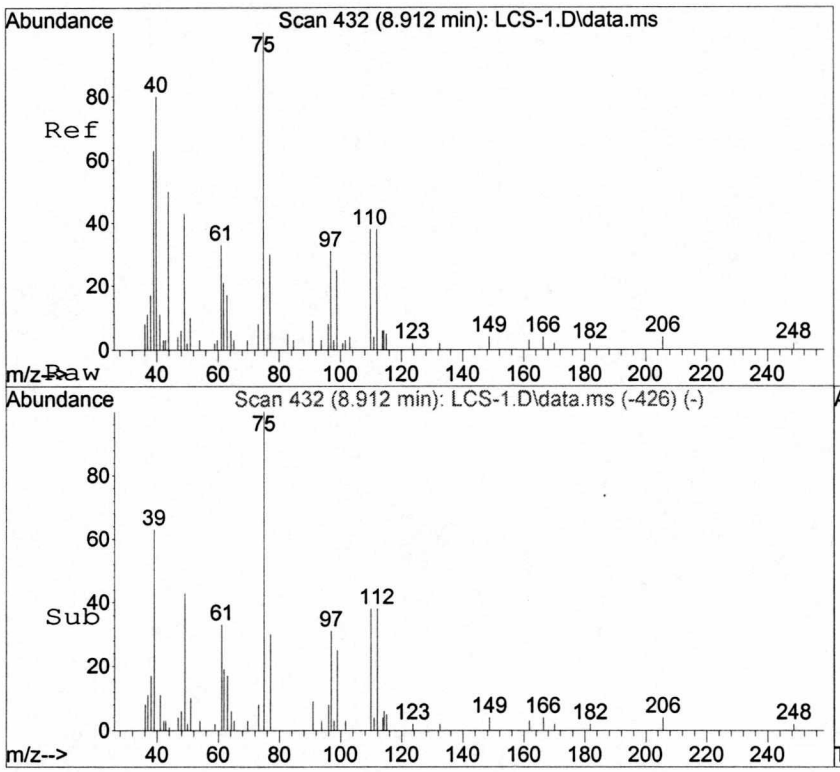


#71
o-xylene
Concen: 33.93 ppbv m
RT: 8.847 min Scan# 428
Delta R.T. 0.000 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 91 Resp: 40923

Ion	Ratio	Lower	Upper
91	100		
106	49.4	31.8	47.8#

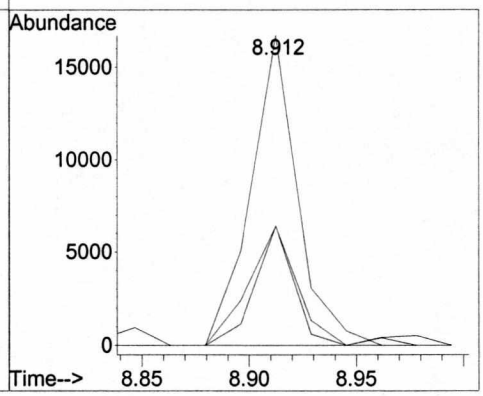


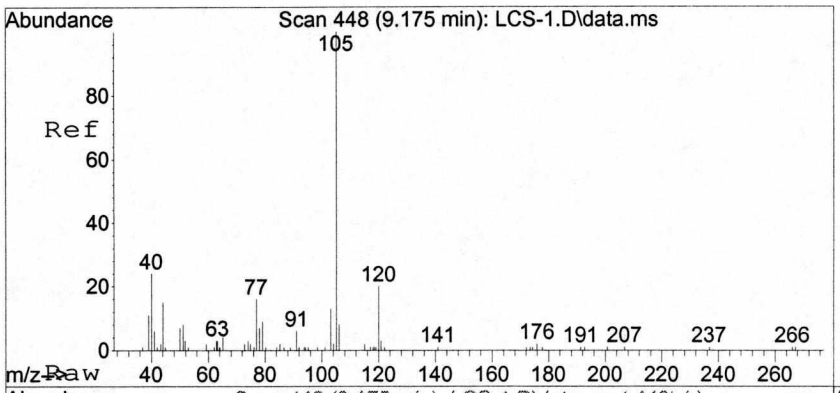


#72
1,2,3-Trichloropropane
Concen: 41.61 ppbv
RT: 8.912 min Scan# 432
Delta R.T. -0.016 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 75 Resp: 25218

Ion	Ratio	Lower	Upper
75	100		
110	39.5	43.5	65.3#
112	31.8	31.4	47.2

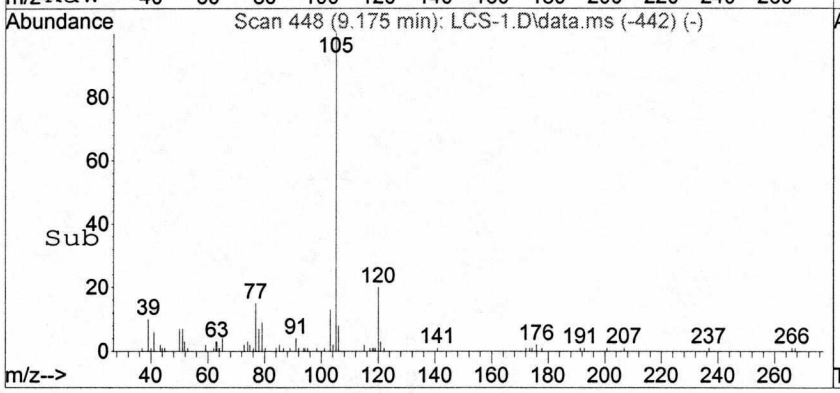


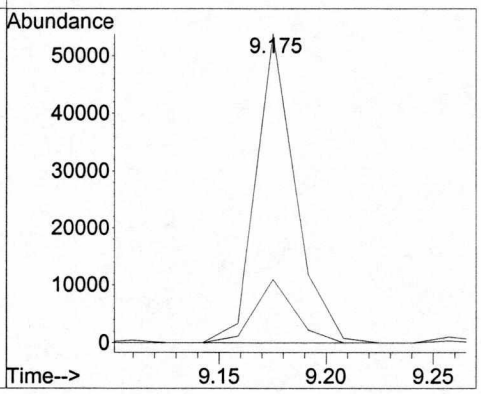


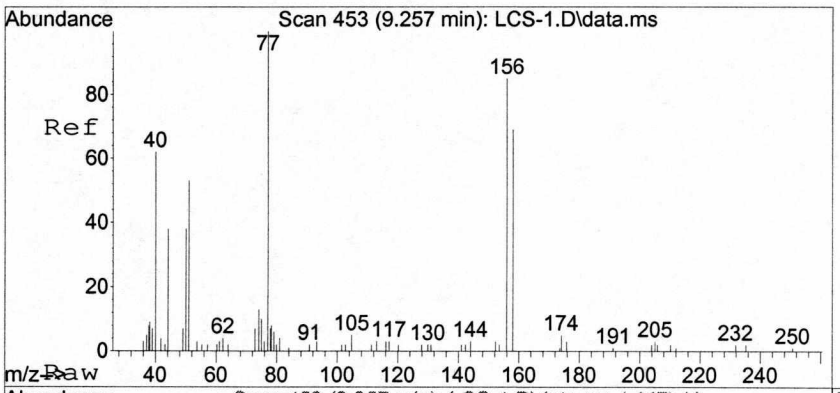
#73
Isopropylbenzene
Concen: 42.19 ppbv
RT: 9.175 min Scan# 448
Delta R.T. -0.016 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:105 Resp: 68781

Ion	Ratio	Lower	Upper
105	100		
120	20.6	25.1	37.7#



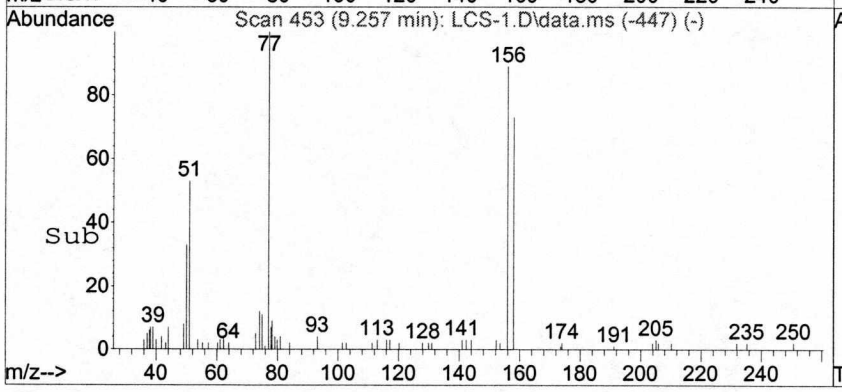


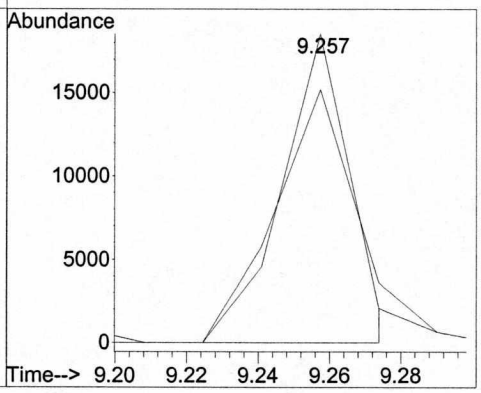


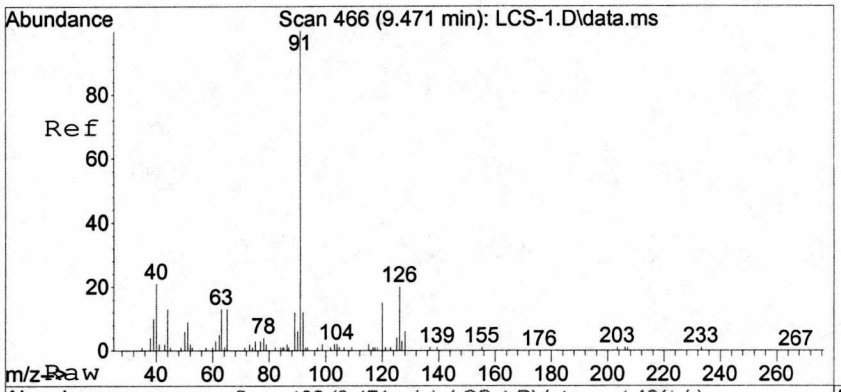
#75
Bromobenzene
Concen: 40.35 ppbv
RT: 9.257 min Scan# 453
Delta R.T. 0.000 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:156 Resp: 24803

Ion	Ratio	Lower	Upper
156	100		
158	97.9	79.4	119.0



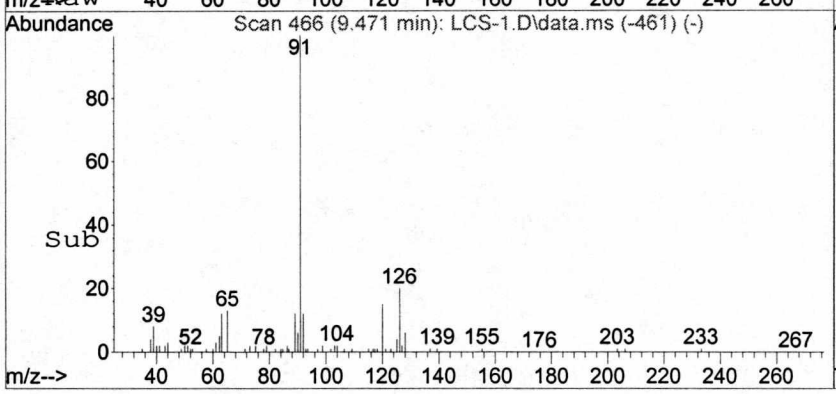


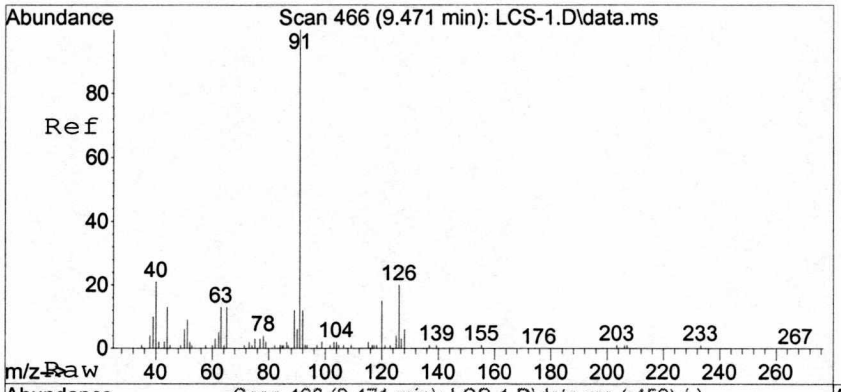


#76
2-Chlorotoluene
Concen: 43.85 ppbv
RT: 9.471 min Scan# 466
Delta R.T. -0.016 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:126 Resp: 19109

Ion	Ratio	Lower	Upper
126	100		
91	574.1	605.1	907.7#

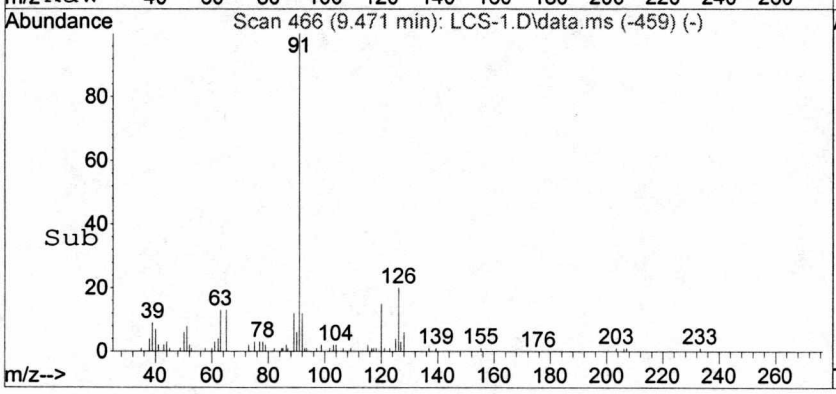


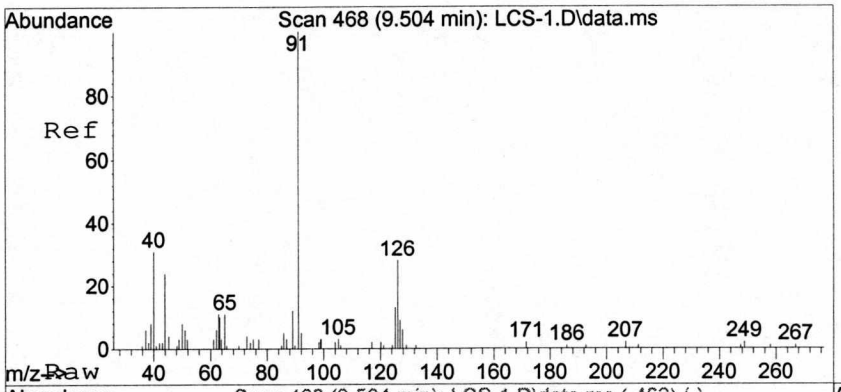


#77
n-Propylbenzene
Concen: 40.45 ppbv
RT: 9.471 min Scan# 466
Delta R.T. -0.016 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 91 Resp: 161891

Ion	Ratio	Lower	Upper
91	100		
120	11.0	14.5	21.7#

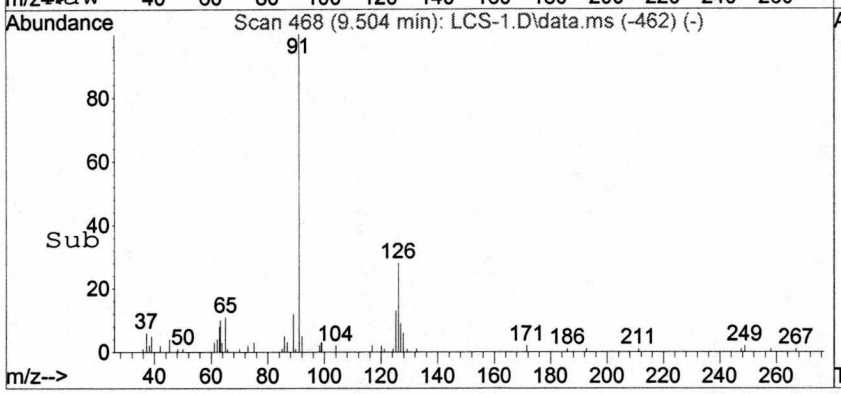


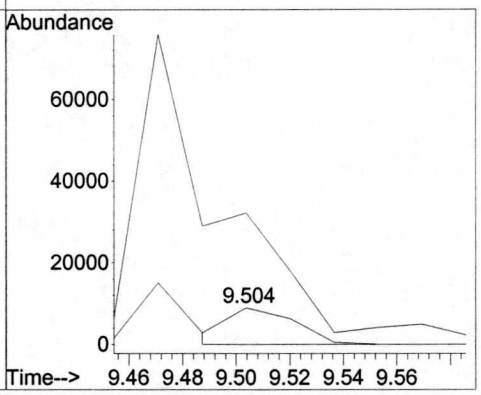


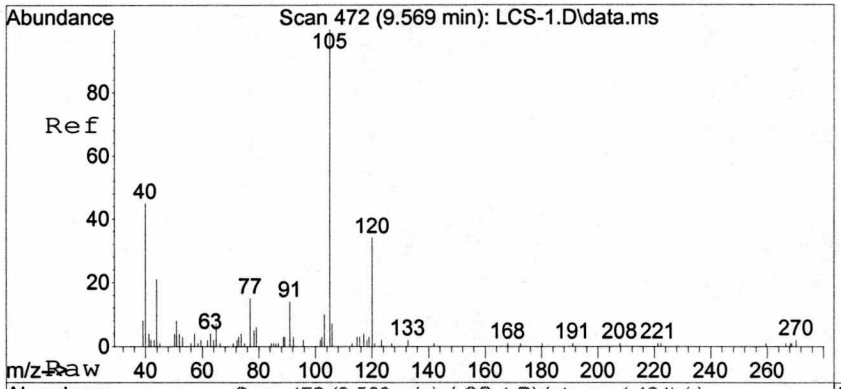
#78
4-Chlorotoluene
Concen: 46.08 ppbv
RT: 9.504 min Scan# 468
Delta R.T. -0.016 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:126 Resp: 15447

Ion	Ratio	Lower	Upper
126	100		
91	0.0	212.5	318.7#



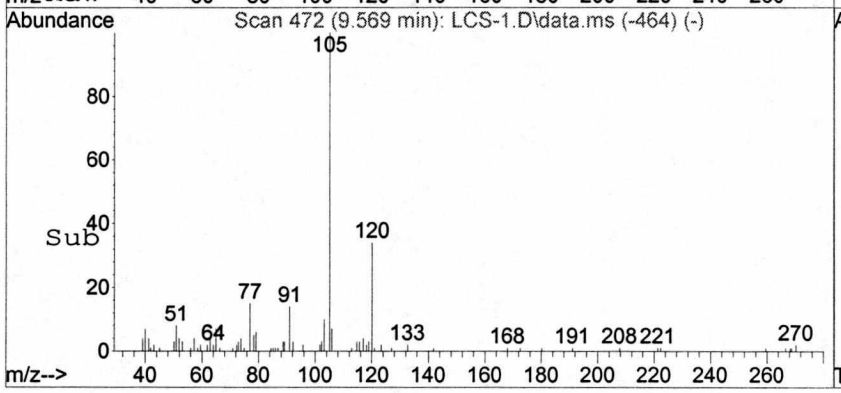


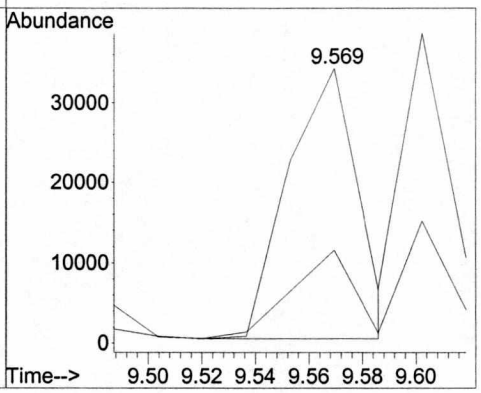


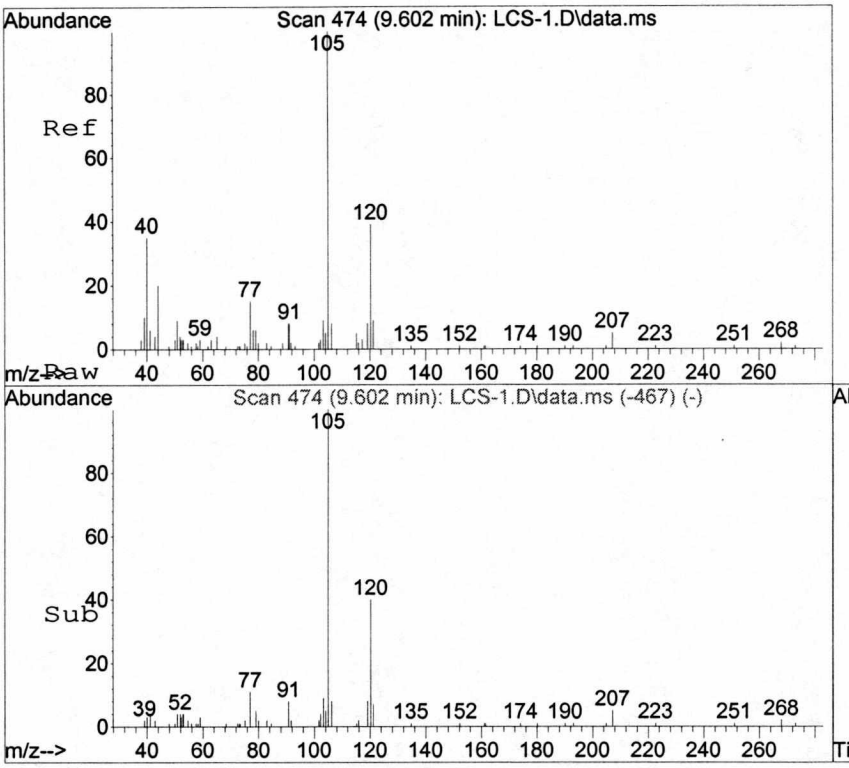
#79
4-Ethyltoluene
Concen: 39.29 ppbv
RT: 9.569 min Scan# 472
Delta R.T. 0.000 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:105 Resp: 61672

Ion	Ratio	Lower	Upper
105	100		
120	29.6	25.3	37.9



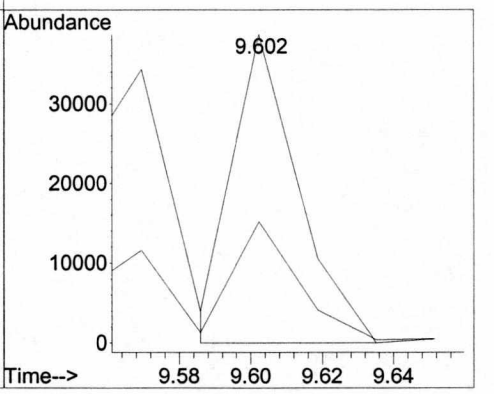


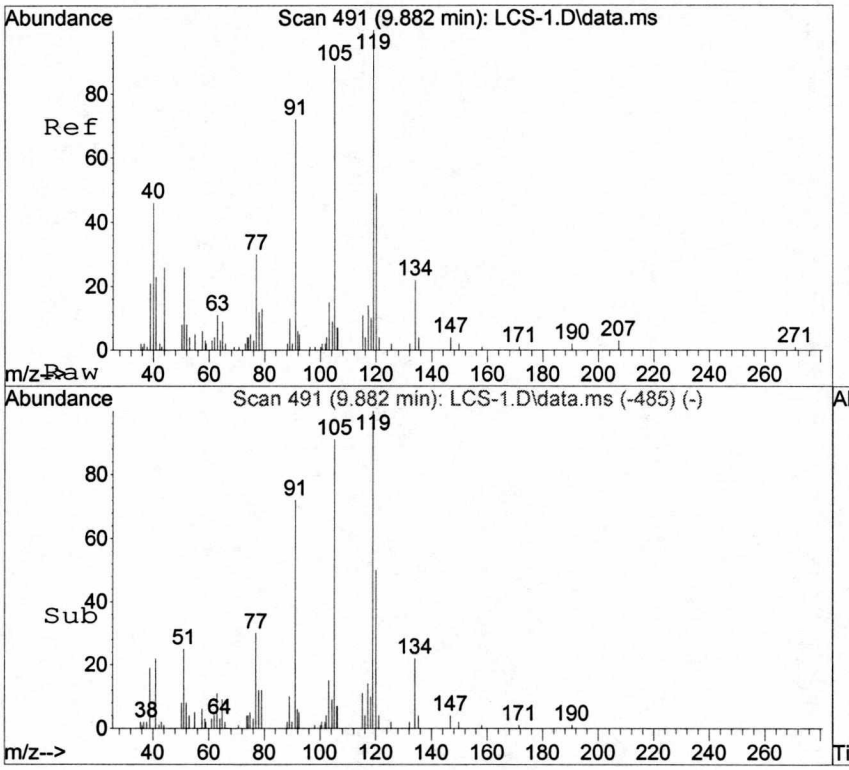


#80
1,3,5-Trimethylbenzene
Concen: 35.60 ppbv
RT: 9.602 min Scan# 474
Delta R.T. -0.016 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:105 Resp: 48529

Ion	Ratio	Lower	Upper
105	100		
120	37.7	36.5	54.7

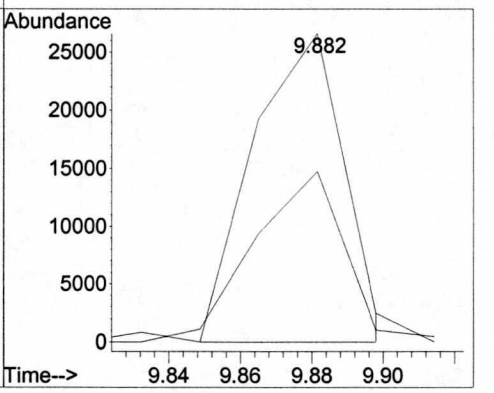


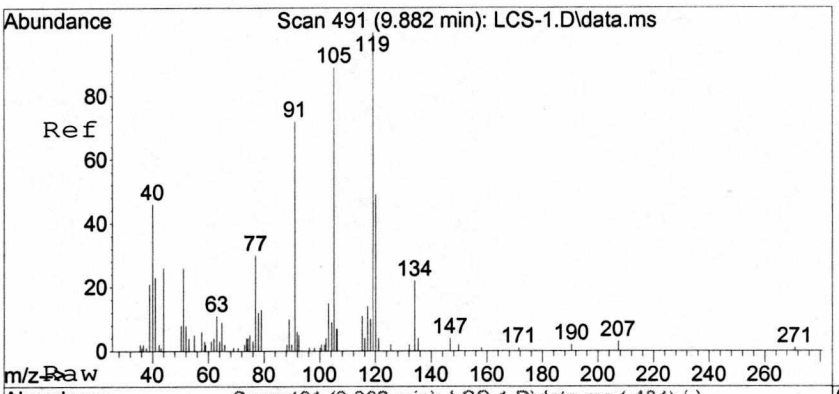


#81
1,2,4-Trimethylbenzene
Concen: 36.07 ppbv
RT: 9.882 min Scan# 491
Delta R.T. 0.000 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:105 Resp: 47658

Ion	Ratio	Lower	Upper
105	100		
120	54.3	43.0	64.6

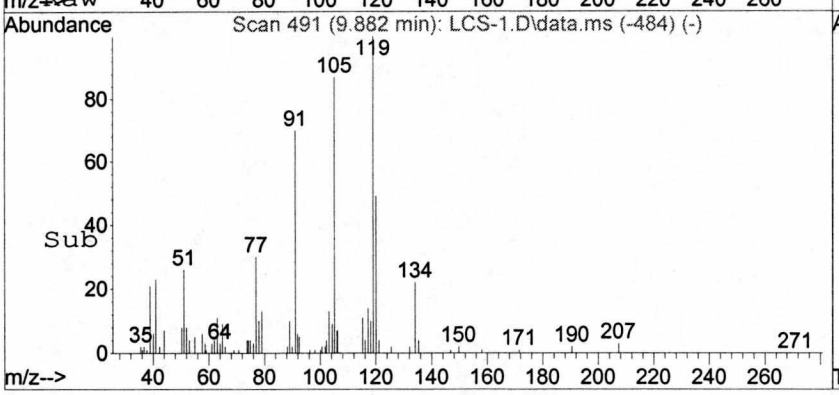


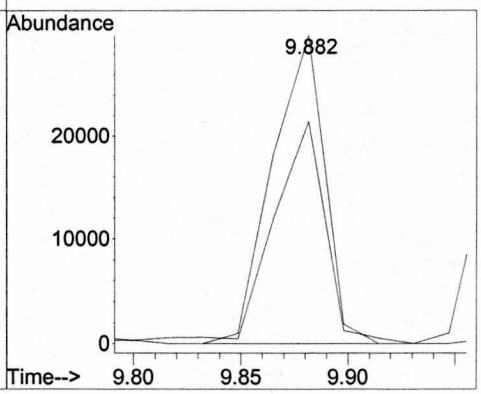


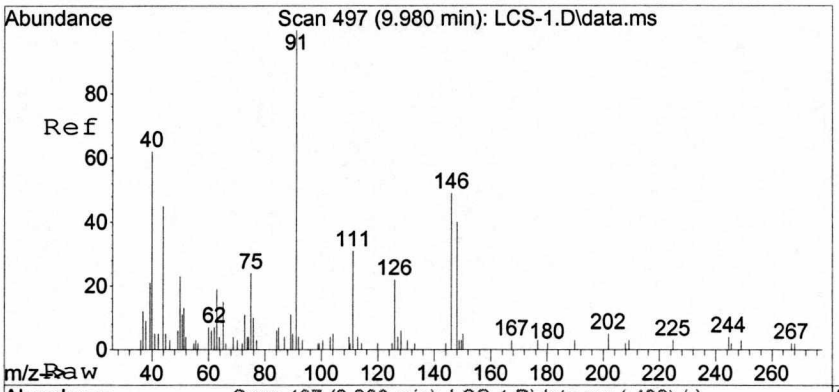
#82
tert-Butylbenzene
Concen: 33.38 ppbv
RT: 9.882 min Scan# 491
Delta R.T. 0.000 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:119 Resp: 50178

Ion	Ratio	Lower	Upper
119	100		
91	65.6	52.7	79.1



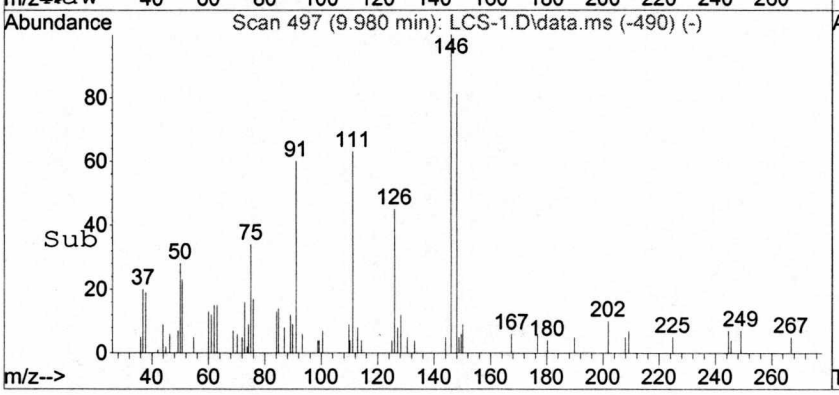


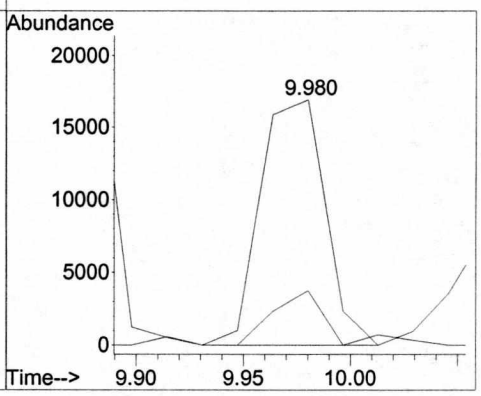


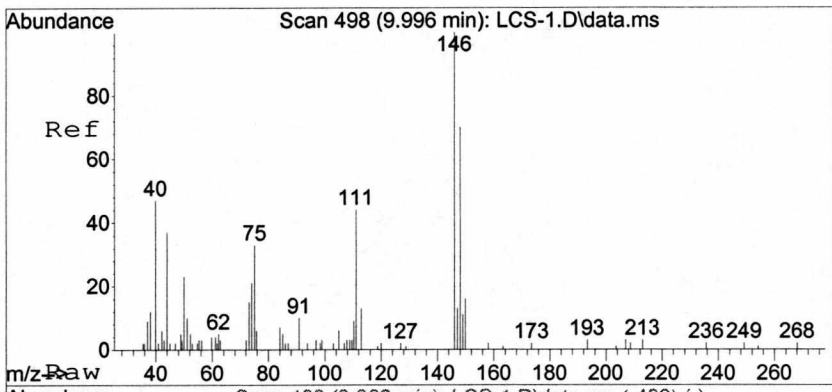
#83
Benzyl Chloride
Concen: 27.92 ppbv
RT: 9.980 min Scan# 497
Delta R.T. 0.000 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 91 Resp: 35624

Ion	Ratio	Lower	Upper
91	100		
126	16.9	21.2	31.8#



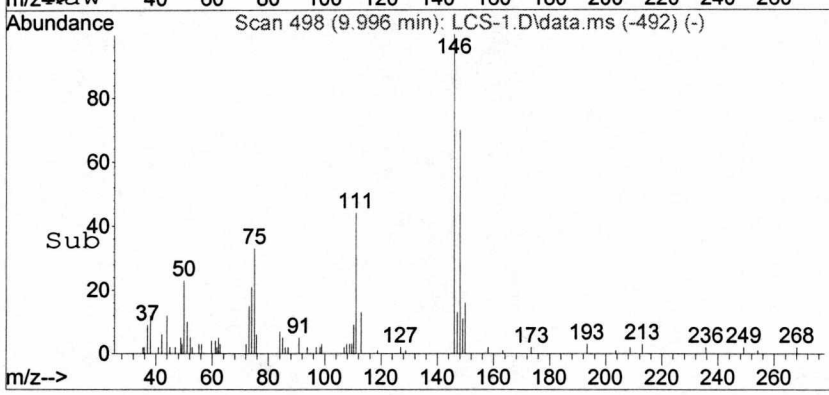


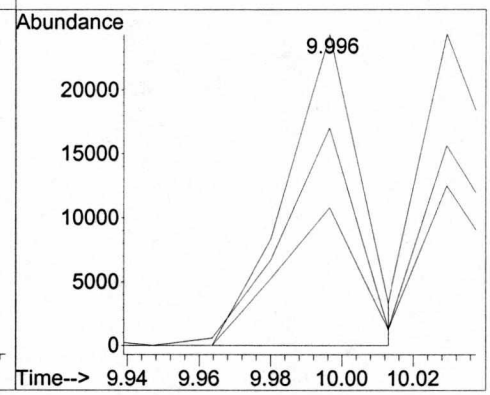


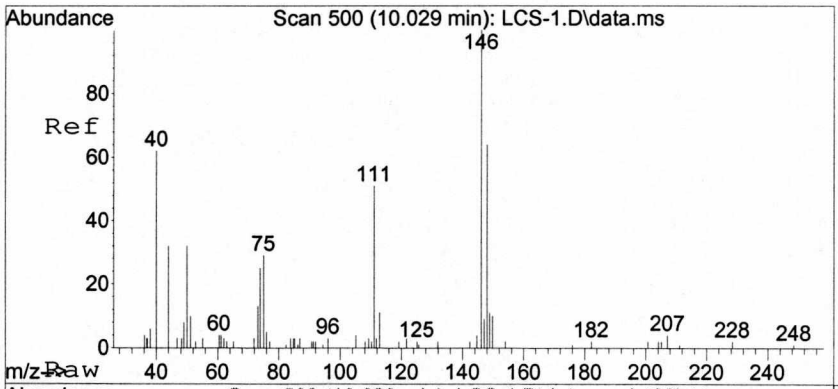
#84
1,3-Dichlorobenzene
Concen: 31.59 ppbv
RT: 9.996 min Scan# 498
Delta R.T. 0.000 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:146 Resp: 35565

Ion	Ratio	Lower	Upper
146	100		
148	71.0	42.7	64.1#
111	48.0	32.7	49.1



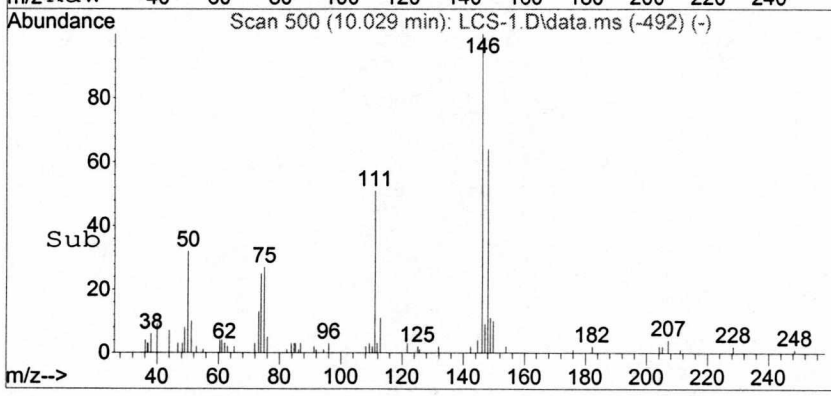


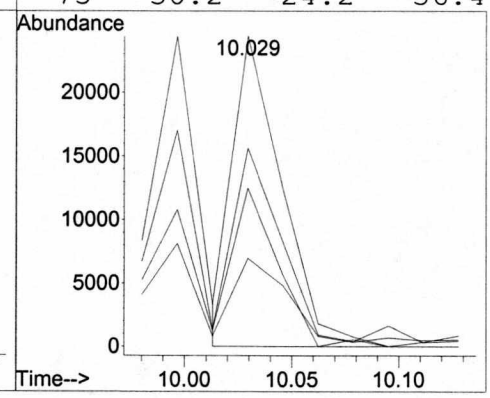


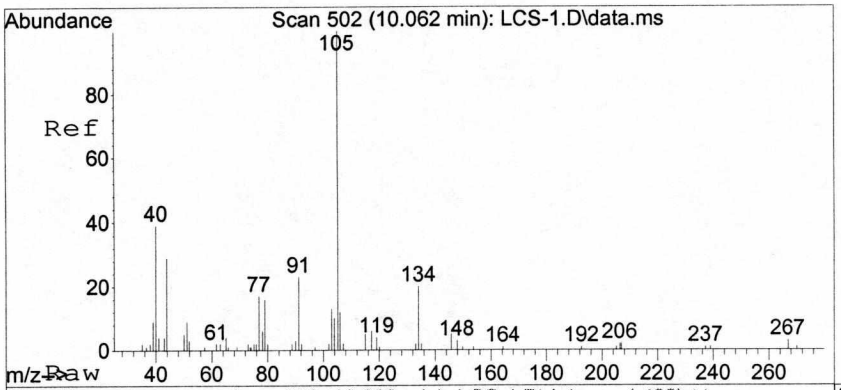
#85
1,4-Dichlorobenzene
Concen: 44.43 ppbv
RT: 10.029 min Scan# 500
Delta R.T. -0.016 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:146 Resp: 38826

Ion	Ratio	Lower	Upper
146	100		
148	61.0	48.9	73.3
111	46.1	29.0	43.6#
75	30.2	24.2	36.4



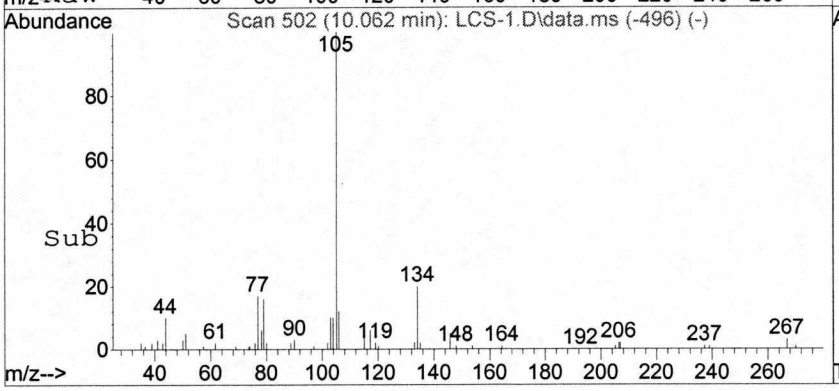


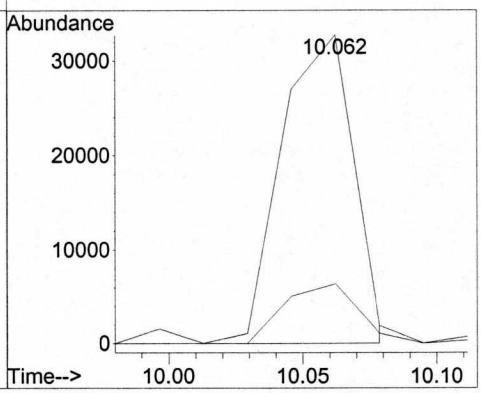


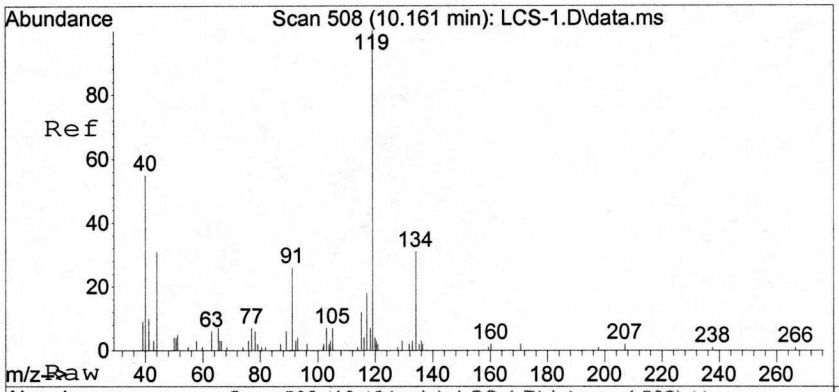
#86
sec-Butylbenzene
Concen: 33.70 ppbv
RT: 10.062 min Scan# 502
Delta R.T. 0.000 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:105 Resp: 61808

Ion	Ratio	Lower	Upper
105	100		
134	20.0	18.2	27.4



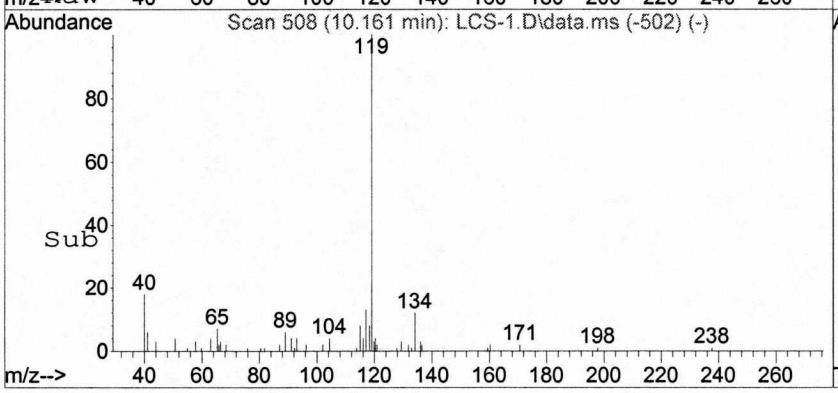


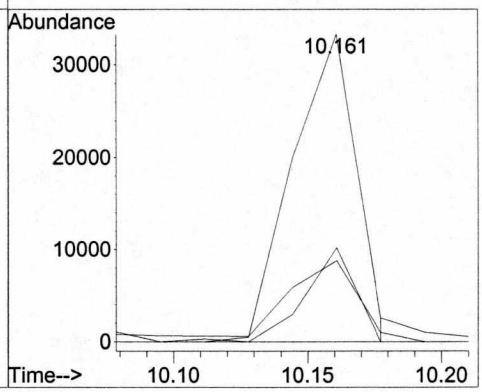


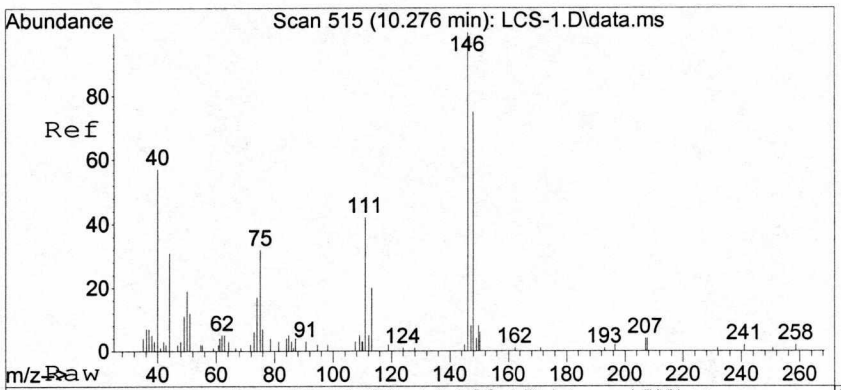
#87
p-Isopropyltoluene
Concen: 32.95 ppbv
RT: 10.161 min Scan# 508
Delta R.T. 0.000 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:119 Resp: 55505

Ion	Ratio	Lower	Upper
119	100		
91	24.7	21.3	31.9
134	23.3	23.9	35.9#



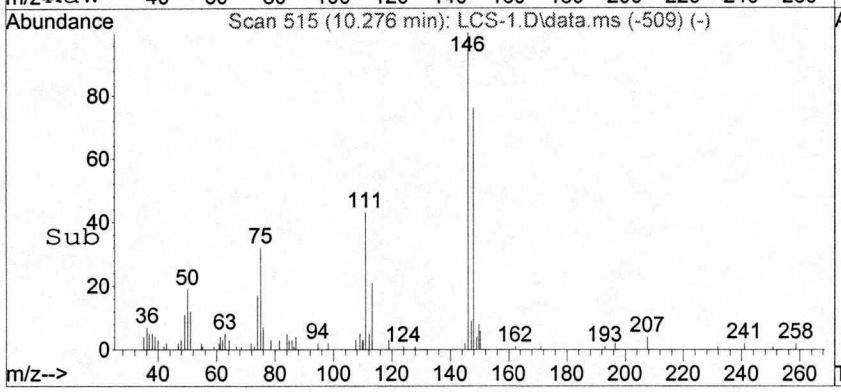


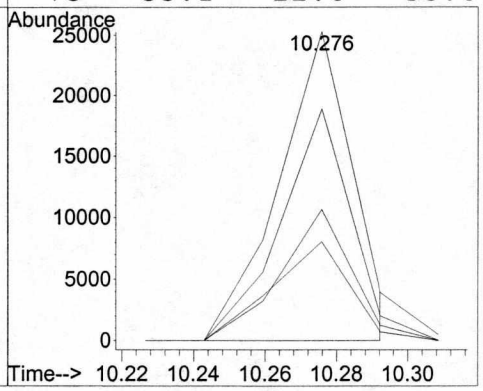


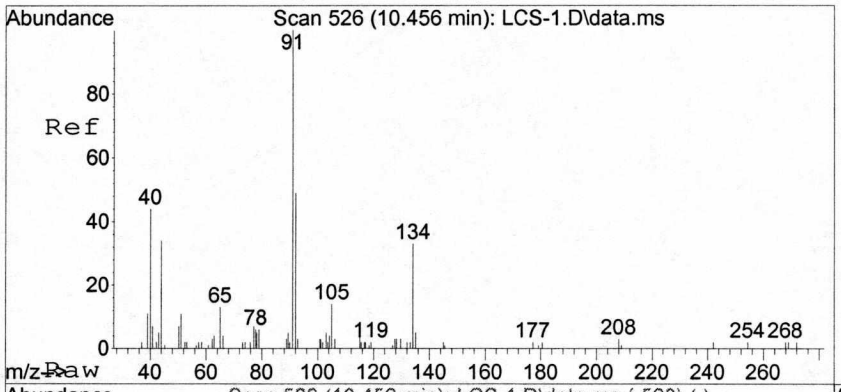
#88
1,2-Dichlorobenzene
Concen: 41.62 ppbv
RT: 10.276 min Scan# 515
Delta R.T. 0.000 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:146 Resp: 36846

Ion	Ratio	Lower	Upper
146	100		
148	70.7	62.6	93.8
111	40.4	34.9	52.3
75	33.1	22.0	33.0#



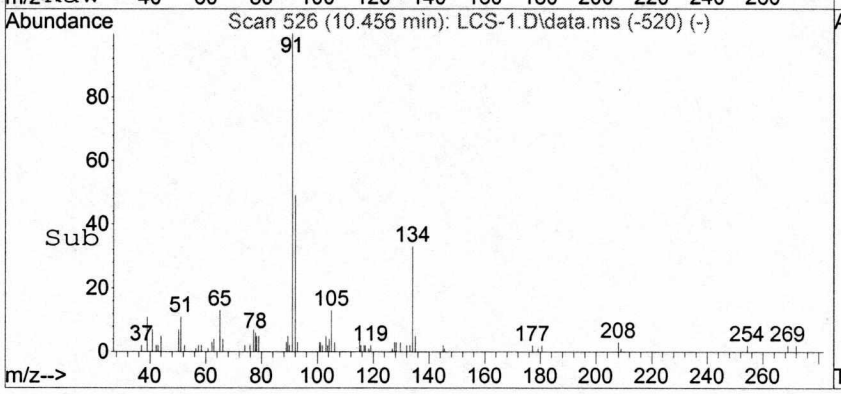


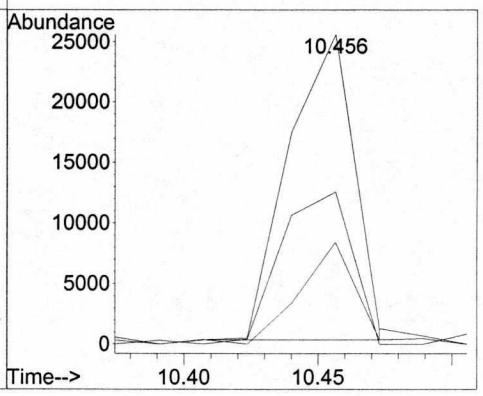


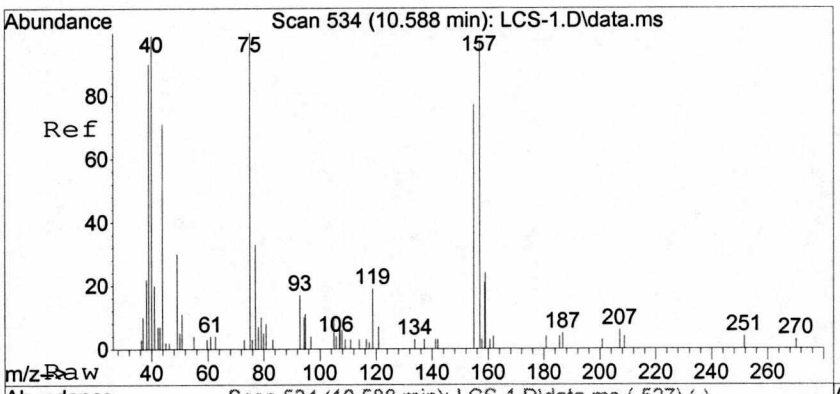
#89
n-Butylbenzene
Concen: 33.65 ppbv
RT: 10.456 min Scan# 526
Delta R.T. 0.000 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 91 Resp: 42866

Ion	Ratio	Lower	Upper
91	100		
92	54.3	45.3	67.9
134	28.0	18.0	27.0#



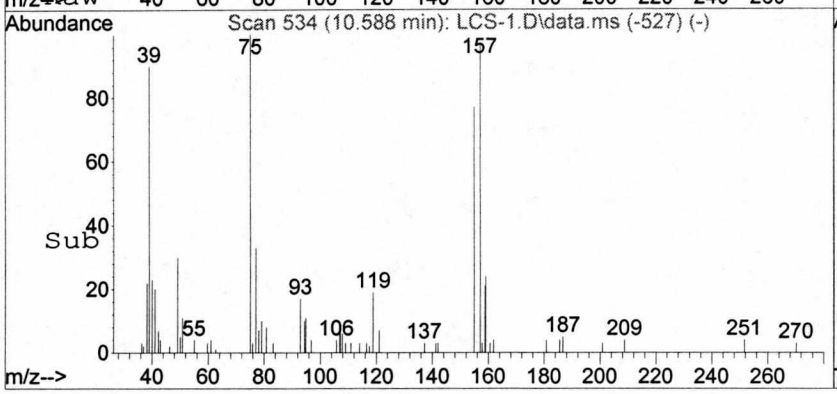


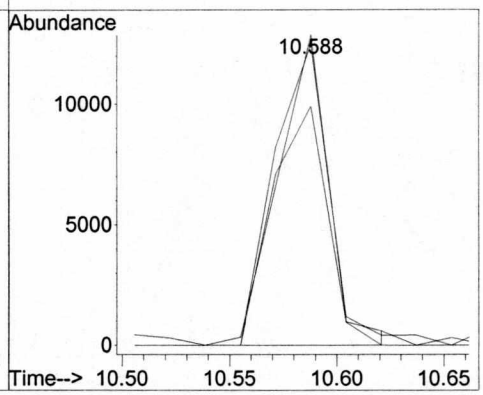


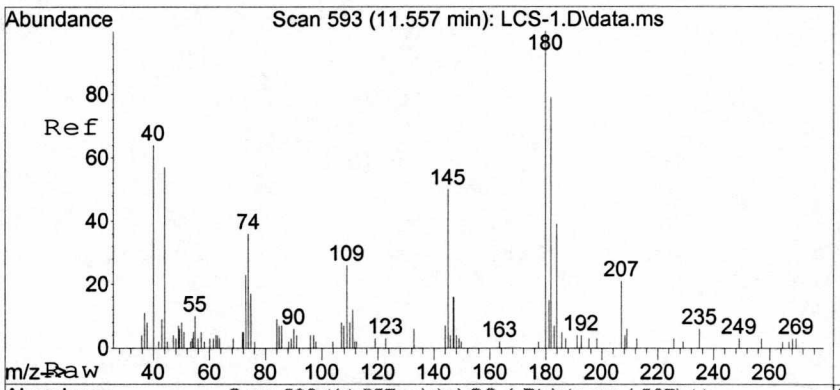
#90
1,2 Dibromo-3-chloropropane
Concen: 41.67 ppbv
RT: 10.588 min Scan# 534
Delta R.T. 0.000 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion: 75 Resp: 21059

Ion	Ratio	Lower	Upper
75	100		
155	84.0	62.3	93.5
157	104.4	81.9	122.9



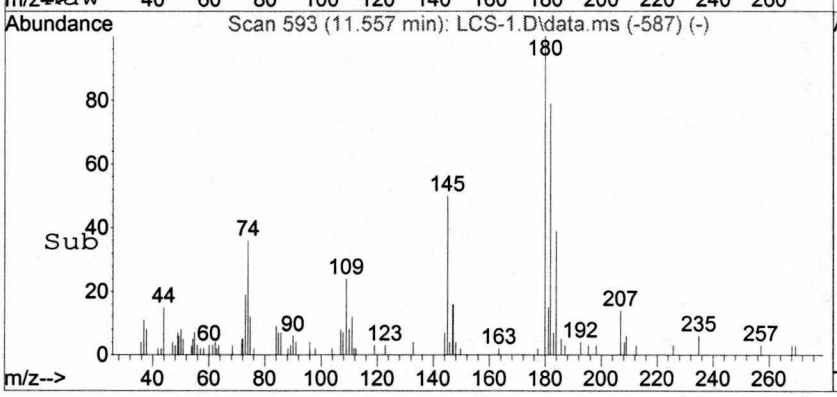


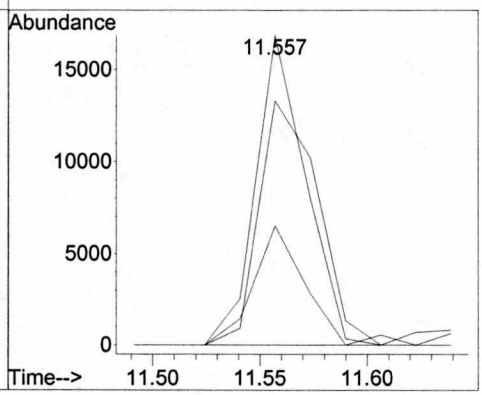


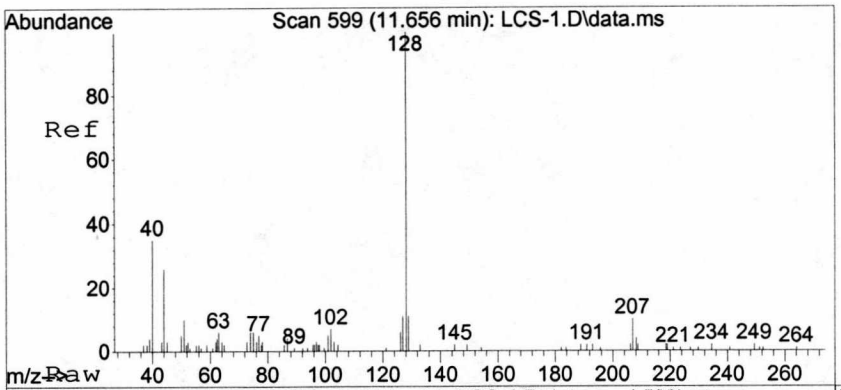
#91
1,2,4-Trichlorobenzene
Concen: 40.32 ppbv
RT: 11.557 min Scan# 593
Delta R.T. -0.016 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:180 Resp: 27356

Ion	Ratio	Lower	Upper
180	100		
182	92.8	103.0	154.4#
184	38.8	33.0	49.6



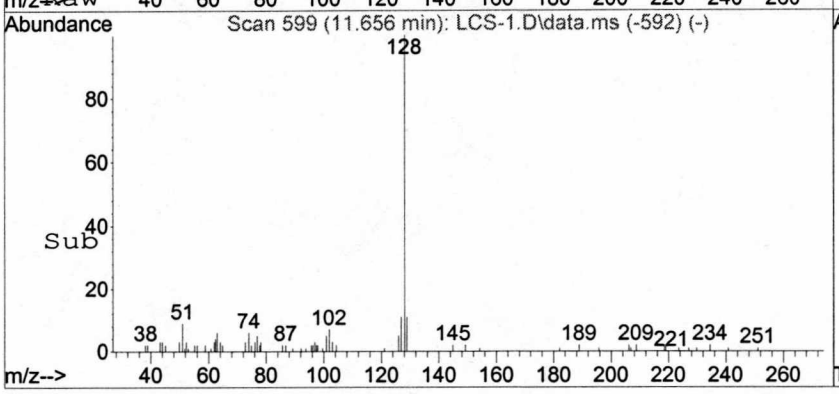


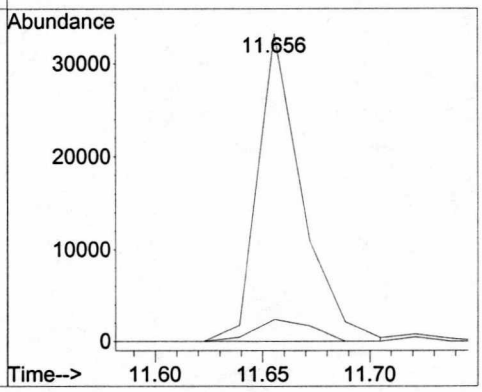


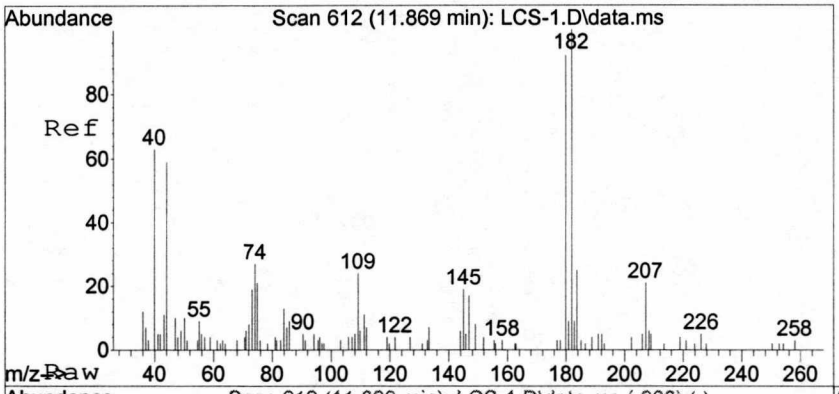
#92
Naphthalene
Concen: 35.20 ppbv
RT: 11.656 min Scan# 599
Delta R.T. -0.016 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:128 Resp: 47726

Ion	Ratio	Lower	Upper
128	100		
102	9.3	10.4	15.6#



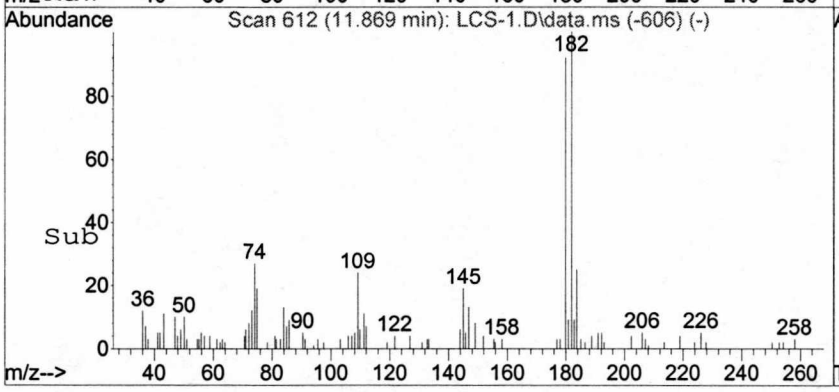


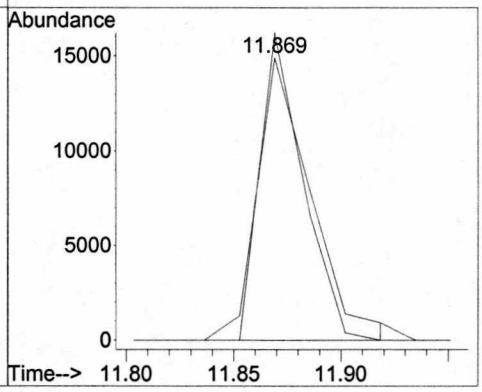


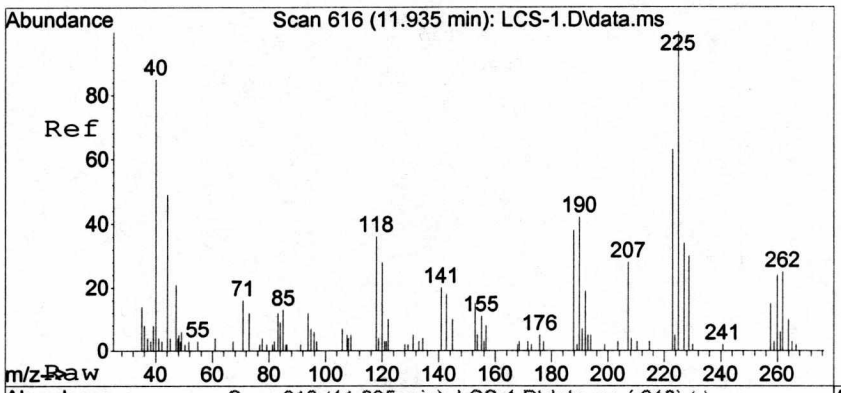
#93
1,2,3-Trichlorobenzene
Concen: 45.59 ppbv
RT: 11.869 min Scan# 612
Delta R.T. -0.016 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:180 Resp: 25930

Ion	Ratio	Lower	Upper
180	100		
182	88.1	91.9	137.9#



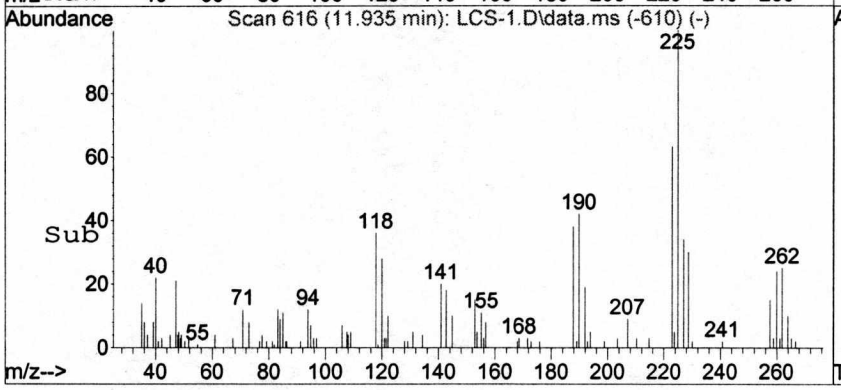


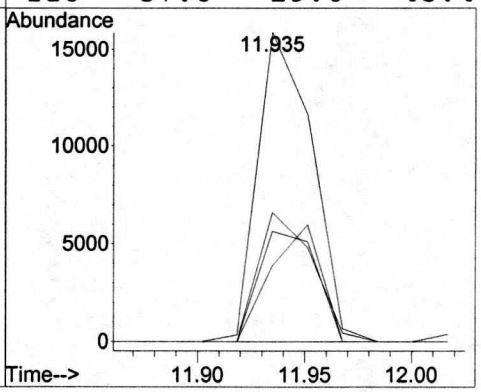


#94
Hexachlorobutadiene
Concen: 51.11 ppbv
RT: 11.935 min Scan# 616
Delta R.T. -0.033 min
Lab File: LCS-1.D
Acq: 25 Mar 2015 15:36

Tgt Ion:225 Resp: 28065

Ion	Ratio	Lower	Upper
225	100		
190	41.7	38.2	57.4
260	34.6	27.4	41.2
118	37.8	29.0	43.4





GILBANE COMPANY

JERVIS WEBB
(J163007200-002)

H&P PROJECT # GIL032315-A1

LEVEL III-IV DATA PACKAGE

ANALYTICAL DATA
3/26/15

H&P Mobile Geochemistry Inc.

TO-15 RUN LOG
Laboratory #: *A1*
Instrument #: *MS10*

Client(s): Gilbane Company

H&P Project #'s: GIL032315-A1

Page: **1** of **1**
Operator: ***MCM***
Date: **3/26/2015**

Work Order(s): E503117

ICAL Method(s): 022015VOC_TO15.M
Analyses: TO-15 VOCs Client List + Napth + Dioxane + Chloromethane
Batch #'s: EC52601

1st Source Std	ACC-1386T	Exp.	4/12/2015	Conc.	1000 ppbv	cc Injected:	0.05
2nd Source Std	ACC-1387T	Exp.	4/12/2015	Conc.	1000 ppbv	cc Injected:	0.05
APH/TPH Std	ACC-1371T	Exp.	3/26/2015	Conc.	25000 ppbv	cc Injected:	0.10
I.S./Surr. Std	AIS-831	Exp.	4/16/2015	Conc.	209 ppbv	cc Injected:	1.00

1st Source Med Std:	Expiration:	Conc.	100ppbv
1st Source Low Std:	Expiration:	Conc.	50ppbv
APH/TPH Low Std:	Expiration:	Conc.	

Lab Temperatures:
High (°C) : 30
Low (°C) : 25

Workorder Number	Syringe ID #	Sample Dilution	Volume Analyzed (cc)	Final Dilution Factor	port #	Sample Name	Data File Name	Comments
blank	line	1	1	1	1-1	blank-1	blank-1	wash
blank	line	1	1	1	1-1	blank-2	blank-2	bfb check ok
ACC-1386T	SV0042	1	0.05	20	1-2	ccv1	ccv1	CCV ok
EC52601-BLK1	line	1	1	1	1-3	blank-3	blank-3	ND
E503117-01	SV0184	1	1	1	1-3	SB/SG19-35	SB/SG19-35	TCE O.R.
E503117-01	SV0181	1	0.1	10	1-3	SB/SG19-35 R	SB/SG19-35 R	TCE ok
E503117-02	SV0083	1	1	1	1-3	SB/SG19-25	SB/SG19-25	TCE O.R.
blank	line	1	1	1	1-3	blank-4	blank-4	wash
E503117-02	SV0085	5	0.1	50	1-3	SB/SG19-25 R	SB/SG19-25 R	TCE ok
E503117-03	SV0121	1	1	1	1-3	SB/SG11-5	SB/SG11-5	ok
E503117-04	SV0083	1	1	1	1-3	SB/SG11-15	SB/SG11-15	TCE O.R.
E503117-04	SV0181	1	0.1	10	1-3	SB/SG11-15 R	SB/SG11-15 R	TCE ok
E503117-05	SV0083	1	1	1	1-3	SB/SG11-25	SB/SG11-25	TCE O.R.
E503117-05	SV0184	1	0.04	25	1-3	SB/SG11-25 R	SB/SG11-25 R	TCE ok
E503117-06	SV0083	1	1	1	1-3	SB/SG07-5	SB/SG07-5	ok
E503117-07	SV0181	1	1	1	1-3	SB/SG07-5 Rep	SB/SG07-5 Rep	ok
E503117-08	SV0085	1	1	1	1-3	SB/SG11-35	SB/SG11-35	TCE O.R.
E503117-08	SV0121	1	0.1	10	1-3	SB/SG11-35 R	SB/SG11-35 R	TCE ok
E503117-09	SV0184	1	1	1	1-3	SB/SG07-15	SB/SG07-15	ok
EC52601-BS1	SV0042	1	0.05	20	1-2	LCS-1	LCS-1	Not used
EC52601-BS1	SV0042	1	0.05	20	1-2	LCS-2	LCS-2	ok

Analyst Initials MM Date 3/26/15

INTERNAL STANDARD SUMMARY LOG FOR TO-15 MOBILE LAB A1

022015VOC_TO15.M

March 26, 2015

Client Sample Name	Sample Name	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene-d5	
		R.T.	Response	R.T.	Response	R.T.	Response
ccv1.D	50ppbv VOCs	5.42	59632	6.22	205108	8.27	54344
LCS-2.D	ec52601-bs1	5.41	47645	6.22	184751	8.27	52589
blank-3.D	ec52601-blk1	5.42	66021	6.22	227702	8.29	71760
SBSG19-35 .D	E503117-01	5.43	73236	6.23	224726	8.29	68101
SBSG19-35 R.D	E503117-01	5.43	60723	6.23	212025	8.29	71213
SBSG19-25 .D	E503117-02	5.42	64866	6.22	210868	8.29	69768
SBSG19-25 R.D	E503117-02	5.42	60201	6.22	178768	8.27	62673
SBSG11-5.D	E503117-03	5.42	57748	6.22	201316	8.29	61602
SBSG11-15.D	E503117-04	5.42	56897	6.22	193662	8.29	64626
SBSG11-15 R.D	E503117-04	5.40	57901	6.2	185857	8.27	67344
SBSG11-25 .D	E503117-05	5.40	55718	6.2	192428	8.27	61711
SBSG11-25 R.D	E503117-05	5.41	52858	6.2	173472	8.27	59066
SBSG09-5 .D	E503117-06	5.40	55527	6.2	188922	8.27	60922
SBSG09-5 Rep.D	E503117-07	5.42	54542	6.23	182281	8.29	65341
SBSG11-35 .D	E503117-08	5.40	63365	6.2	185702	8.27	64227
SBSG11-35 R.D	E503117-08	5.40	51518	6.20	183913	8.27	60602
SBSG09-15 .D	E503117-09	5.42	52132	6.22	180243	8.27	60474

Criteria for CCV:

Acceptance Range Minimum	5.37	43147	6.18	155959	8.26	46059
Acceptance Range Maximum	5.49	100676	6.30	363905	8.38	107471

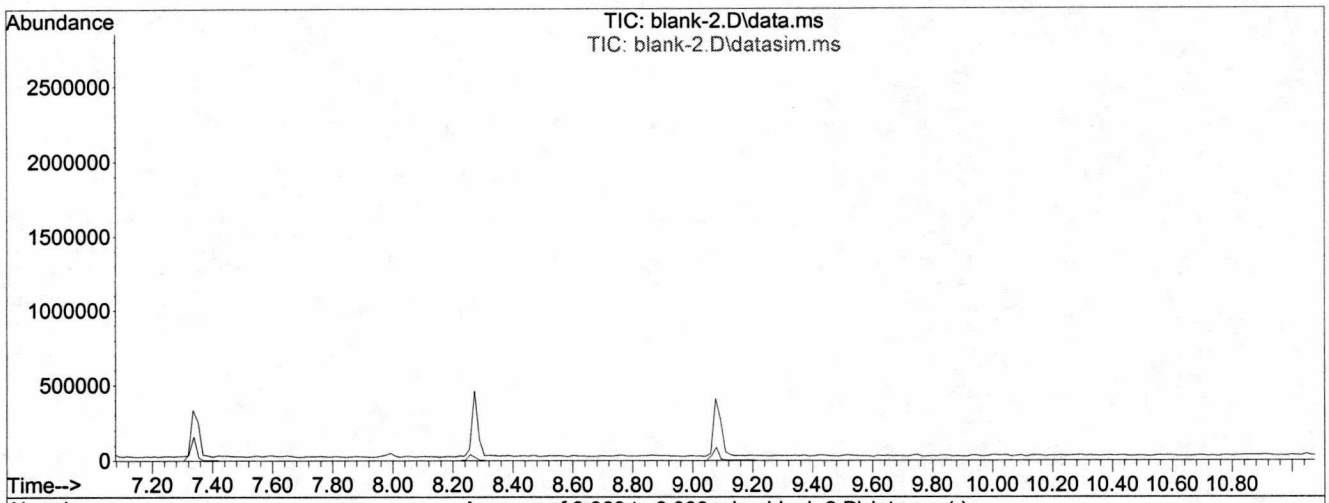
Criteria for Samples, Blanks & Spikes:

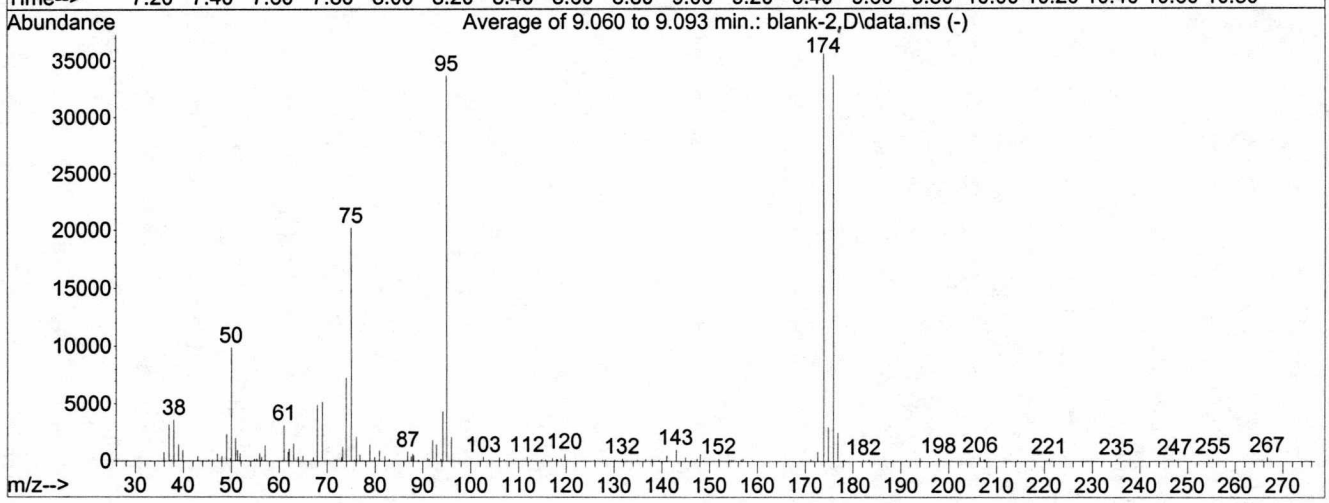
Acceptance Range Minimum	5.26	35779	6.06	123065	8.11	32606
Acceptance Range Maximum	5.58	83485	6.38	287151	8.43	76082

Data Path : C:\msdchem\1\DATA\032615\
Data File : blank-2.D
Acq On : 25 Mar 2015 16:54
Operator : mm
Sample : blank
Misc : 1,
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: lscint.p
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Title : TO-15 SV GC/MS#10
Last Update : Fri Apr 17 13:03:06 2015





AutoFind: Scans 441, 442, 443; Background Corrected with Scan 439

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	29.4	9884	PASS
75	95	30	66	60.0	20202	PASS
95	95	100	100	100.0	33668	PASS
96	95	5	9	6.2	2104	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	105.6	35564	PASS
175	174	4	9	8.3	2945	PASS
176	174	93	101	94.8	33701	PASS
177	176	5	9	7.3	2477	PASS

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\032615\
Data File : ccv1.D
Acq On : 25 Mar 2015 17:15
Operator : mm
Sample : 50ppbv VOCs
Misc : 1,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 17:39:08 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Wed Mar 25 17:33:59 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	89	0.00
2	T	1,1,1 Trifluoroethane	0.868	1.244	-43.3#	139	-0.03
3	T	1,1,1,2 Tetrafluoroethane	1.164	1.682	-44.5#	127	-0.03
4	T	1,1-Difluoroethane	1.148	1.451	-26.4	123	-0.01
5	T	Propene	0.773	0.782	-1.2	117	0.00
6	T	Dichlorodifluoromethane	3.007	3.025	-0.6	113	0.00
7	T	Chloromethane	1.026	1.054	-2.7	128	-0.03
8	T	Dichlorotetrafluoroethane	2.835	3.126	-10.3	119	-0.01
9	T	Vinyl Chloride	0.945	0.826	12.6	83	-0.01
10	T	1,3-Butadiene~39	0.967	1.115	-15.3	103	0.00
11	T	1,3-Butadiene~54	0.821	0.665	19.0	80	0.03
12	T	Bromomethane	0.941	0.799	15.1	116	-0.01
13	T	Chloroethane	0.455	0.339	25.5	94	-0.01
14	T	Ethanol	0.397	0.196	50.6#	51	0.13
15	T	Trichlorofluoromethane	3.596	3.866	-7.5	112	0.00
16	T	Acetone	1.657	0.850	48.7#	52	0.08
17	T	Isopropyl alcohol	2.480	1.465	40.9#	58	0.00
18	T	1,1-Dichloroethene	1.740	1.666	4.3	95	-0.01
19	TC	tert-Butyl Alcohol	2.821	2.245	20.4	84	-0.01
20	TC	Methylene Chloride	0.654	0.716	-9.5	112	-0.01
21	TC	1,1,2-Trichlorotrifluoroeth	2.085	2.329	-11.7	114	-0.01
22	TC	Carbon Disulfide	2.340	2.112	9.7	98	0.01
23	TC	trans-1,2-Dichloroethene	1.636	1.540	5.9	110	0.00
24	TC	1,1-Dichloroethane	1.980	1.715	13.4#	89	0.01
25	TC	Methyl tert-Butyl Ether	2.939	2.650	9.8	97	0.00
26	TC	Vinyl Acetate	3.995	3.205	19.8	99	0.00
27	TC	2-Butanone	0.342	0.113	67.0#	74	0.02
28	TC	cis-1,2-dichloroethene	1.526	1.423	6.7	86	-0.01
29	TC	Di-Isopropyl Ether	4.623	3.678	20.4	87	-0.01
30	TC	Ethyl Acetate	5.744	4.754	17.2	86	-0.01
31	TC	n-Hexane	1.472	1.399	5.0#	95	-0.01
32	TC	Chloroform	2.276	2.560	-12.5	122	0.00
33		2,2 Dichloropropane	2.362	2.296	2.8	100	0.00
34	TC	Ethyl tert-Butyl Ether	3.734	2.871	23.1#	82	-0.01
35	TC	Tetrahydrofuran	0.343	0.251	26.8	97	0.00
36	S	1,2-Dichloroethane-d4	1.813	1.846	-1.8	91	0.00
37	TC	1,2-Dichloroethane	1.916	2.138	-11.6	106	0.01
38	TC	1,1,1-Trichloroethane	2.872	2.908	-1.3	104	-0.01
39		1,1-Dichloropropene	1.693	1.298	23.3	83	-0.01
40	TC	Benzene	2.405	2.525	-5.0	124	0.00
41	TC	Carbon Tetrachloride	3.185	3.612	-13.4	102	0.00
42	I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
43	TC	Cyclohexane	0.314	0.294	6.4	77	0.06
44	TC	tert-Amyl Methyl Ether	0.815	0.707	13.3	94	0.00
45		Dibromomethane	0.328	0.356	-8.5	106	0.02
46	TC	1,2-Dichloropropane	0.277	0.275	0.7	128	-0.01
47	TC	Bromodichloromethane	0.744	0.833	-12.0#	106	0.01
48	TC	Trichloroethene	0.376	0.335	10.9	70	0.00
49	TC	1,4-Dioxane	0.171	0.163	4.7	116	0.02

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\032615\
Data File : ccv1.D
Acq On : 25 Mar 2015 17:15
Operator : mm
Sample : 50ppbv VOCs
Misc : 1,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 17:39:08 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Wed Mar 25 17:33:59 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50	TC	2,2,4-Trimethylpentane	1.381	1.185	14.2#	88	-0.01
51	TC	n-Heptane	0.226	0.172	23.9#	69	-0.01
52	TC	cis-1,3-Dichloropropene	0.487	0.525	-7.8	120	0.00
53	TC	4-Methyl-2-Pentanone	0.905	0.766	15.4	94	0.00
54	TC	trans-1,3-Dichloropene	0.523	0.482	7.8	99	0.01
55	TC	1,1,2-Trichloroethane	0.316	0.341	-7.9	107	0.00
56	S	Toluene-d8	0.931	0.950	-2.0	84	0.00
57		1,3 Dichloropropane	0.433	0.505	-16.6	101	0.00
58	TC	Toluene	1.001	0.788	21.3#	79	0.00
59	TC	2-Hexanone	0.794	0.773	2.6#	107	0.02
60	TC	Dibromochloromethane	0.804	0.840	-4.5#	103	0.00
61	TC	1,2-Dibromoethane	0.545	0.533	2.2	97	0.00
62	TC	Tetrachloroethene	0.538	0.623	-15.8	142#	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	72	0.00
64	TC	1,1,1,2 Tetrachloroethane	1.687	2.045	-21.2	98	0.00
65	TC	Chlorobenzene	2.561	2.684	-4.8	89	0.00
66	TC	Ethylbenzene	4.562	4.471	2.0	83	0.00
67	TC	m,p-xylene	3.535	3.658	-3.5	104	0.00
68	TC	Bromoform	2.706	2.975	-9.9#	105	0.02
69	TC	Styrene	2.595	2.207	15.0	81	0.00
70	TC	1,1,2,2-Tetrachloroethane	2.007	2.297	-14.4	123	0.00
71	TC	o-xylene	3.634	3.828	-5.3	93	0.00
72		1,2,3-Trichloropropane	1.826	2.157	-18.1	114	0.00
73		Isopropylbenzene	4.912	4.351	11.4	77	0.00
74	S	1,4-Bromofluorobenzene	2.368	2.276	3.9	73	0.00
75		Bromobenzene	1.852	1.834	1.0	91	0.00
76		2-Chlorotoluene	1.313	1.260	4.0	82	0.00
77		n-Propylbenzene	12.058	8.789	27.1	82	0.00
78		4-Chlorotoluene	1.010	1.051	-4.1	93	0.00
79	TC	4-Ethyltoluene	4.729	4.958	-4.8#	108	0.03
80	TC	1,3,5-Trimethylbenzene	4.107	2.911	29.1	68	0.02
81	TC	1,2,4-Trimethylbenzene	3.980	2.995	24.7	73	0.02
82		tert-Butylbenzene	4.530	3.990	11.9	90	0.00
83	TC	Benzyl Chloride	3.844	2.709	29.5	80	0.00
84	TC	1,3-Dichlorobenzene	3.392	3.592	-5.9#	103	0.00
85	TC	1,4-Dichlorobenzene	2.633	2.159	18.0	100	0.02
86		sec-Butylbenzene	5.526	4.463	19.2	76	0.00
87	TC	p-Isopropyltoluene	5.075	3.600	29.1	73	0.00
88	TC	1,2-Dichlorobenzene	2.667	2.644	0.9	101	0.00
89		n-Butylbenzene	3.839	2.827	26.4	60	0.00
90		1,2 Dibromo-3-chloropropane	1.523	1.714	-12.5	101	0.00
91	TC	1,2,4-Trichlorobenzene	2.044	1.578	22.8#	82	0.00
92	TC	Naphthalene	4.086	3.166	22.5	91	0.00
93		1,2,3-Trichlorobenzene	1.714	1.298	24.3	76	0.00
94	TC	Hexachlorobutadiene	1.655	1.436	13.2	100	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\032615\
Data File : ccv1.D
Acq On : 25 Mar 2015 17:15
Operator : mm
Sample : 50ppbv VOCs
Misc : 1,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 17:39:08 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Wed Mar 25 17:33:59 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.420	130	59632	209.00	ppbv	0.00
42) 1,4-Difluorobenzene	6.218	114	205108	209.00	ppbv	0.00
63) Chlorobenzene-d5	8.272	54	54344	209.00	ppbv	0.00
System Monitoring Compounds						
36) 1,2-Dichloroethane-d4	5.738	65	110065	212.83	ppbv	0.00
Spiked Amount 209.000			Recovery	=	101.83%	
56) Toluene-d8	7.352	98	194915	213.29	ppbv	0.00
Spiked Amount 209.000			Recovery	=	102.05%	
74) 1,4-Bromofluorobenzene	9.093	95	123686	200.92	ppbv	0.00
Spiked Amount 209.000			Recovery	=	96.13%	

Target Compounds						Qvalue
2) 1,1,1 Trifluoroethane	3.115	65	17750	71.65	ppbv #	43
3) 1,1,1,2 Tetrafluoroethane	3.141	83	23992	72.25	ppbv #	1
4) 1,1-Difluoroethane	3.194	51	20694	63.15	ppbv	90
5) Propene	3.259	41	11162	50.60	ppbv	89
6) Dichlorodifluoromethane	3.298	85	43154	50.30	ppbv #	90
7) Chloromethane	3.389	50	15033	51.35	ppbv #	58
8) Dichlorotetrafluoroethane	3.454	85	44596	55.12	ppbv	93
9) Vinyl Chloride	3.519	62	11787	43.73	ppbv	99
10) 1,3-Butadiene~39	3.598	39	15902	57.64	ppbv	91
11) 1,3-Butadiene~54	3.598	54	9482	40.50	ppbv	88
12) Bromomethane	3.754	94	11395	42.45	ppbv #	84
13) Chloroethane	3.832	64	4830	37.21	ppbv #	34
14) Ethanol	4.067	45	2800	24.70	ppbv #	100
15) Trichlorofluoromethane	4.198	101	55155	53.76	ppbv	97
16) Acetone	4.263	43	12120	25.63	ppbv #	100
17) Isopropyl alcohol	4.250	45	20893	29.53	ppbv	97
18) 1,1-Dichloroethene	4.471	61	23761	47.87	ppbv #	79
19) tert-Butyl Alcohol	4.498	59	32031	39.79	ppbv #	84
20) Methylene Chloride	4.511	84	10214m	54.75	ppbv	
21) 1,1,2-Trichlorotrifluo...	4.628	101	33230	55.86	ppbv #	80
22) Carbon Disulfide	4.693	76	30136	45.15	ppbv	98
23) trans-1,2-Dichloroethene	4.915	61	21970	47.07	ppbv #	71
24) 1,1-Dichloroethane	5.006	63	24469	43.31	ppbv #	93
25) Methyl tert-Butyl Ether	5.032	73	37801	45.08	ppbv #	86
26) Vinyl Acetate	5.045	43	45722	40.11	ppbv	99
27) 2-Butanone	5.226	72	1608	16.48	ppbv #	47
28) cis-1,2-dichloroethene	5.351	61	20301	46.63	ppbv #	79
29) Di-Isopropyl Ether	5.408	45	52470	39.78	ppbv #	35
30) Ethyl Acetate	5.420	43	67824	41.39	ppbv	100
31) n-Hexane	5.431	57	19958	47.53	ppbv	84
32) Chloroform	5.465	83	36517	56.23	ppbv #	69
33) 2,2 Dichloropropane	5.499	77	32760	48.62	ppbv #	75
34) Ethyl tert-Butyl Ether	5.636	59	40954	38.44	ppbv #	87
35) Tetrahydrofuran	5.692	71	3583	36.62	ppbv #	21
37) 1,2-Dichloroethane	5.795	62	30503	55.78	ppbv #	94
38) 1,1,1-Trichloroethane	5.908	97	41482	50.62	ppbv #	94
39) 1,1-Dichloropropene	6.033	75	18521	38.34	ppbv #	78
40) Benzene	6.115	78	36017	52.49	ppbv	99
41) Carbon Tetrachloride	6.174	117	51527	56.70	ppbv #	94
43) Cyclohexane	6.233	84	14417	46.79	ppbv #	57
44) tert-Amyl Methyl Ether	6.346	73	34673	43.33	ppbv #	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\032615\
Data File : ccv1.D
Acq On : 25 Mar 2015 17:15
Operator : mm
Sample : 50ppbv VOCs
Misc : 1,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 17:39:08 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Wed Mar 25 17:33:59 2015
Response via : Initial Calibration

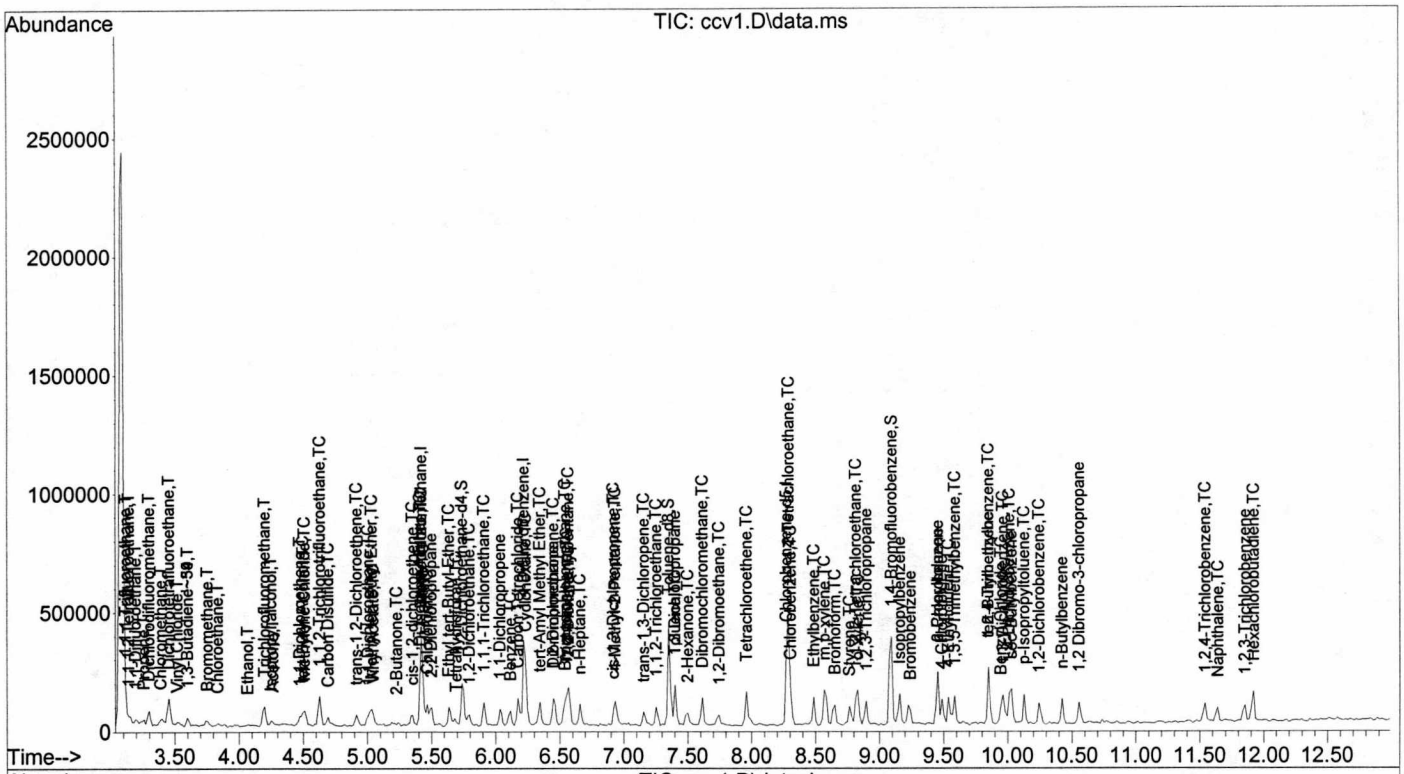
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) Dibromomethane	6.450	93	17493	54.41 ppbv #	51
46) 1,2-Dichloropropane	6.450	63	13496	49.63 ppbv #	67
47) Bromodichloromethane	6.542	83	40878	56.01 ppbv	88
48) Trichloroethene	6.555	95	16419	44.51 ppbv #	60
49) 1,4-Dioxane	6.568	58	8020	47.83 ppbv #	69
50) 2,2,4-Trimethylpentane	6.568	57	58161	42.92 ppbv	100
51) n-Heptane	6.659	71	8438	37.98 ppbv #	38
52) cis-1,3-Dichloropropene	6.920	75	25739	53.89 ppbv #	93
53) 4-Methyl-2-Pentanone	6.933	43	37563	42.30 ppbv #	88
54) trans-1,3-Dichloropene	7.155	75	23664	46.14 ppbv #	69
55) 1,1,2-Trichloroethane	7.253	97	16741	53.94 ppbv #	70
57) 1,3 Dichloropropane	7.401	76	24795	58.38 ppbv #	77
58) Toluene	7.401	91	38657	39.35 ppbv #	83
59) 2-Hexanone	7.500	43	37906	48.63 ppbv #	77
60) Dibromochloromethane	7.614	129	41195	52.20 ppbv	92
61) 1,2-Dibromoethane	7.746	107	26148	48.91 ppbv	94
62) Tetrachloroethene	7.959	166	30572	57.88 ppbv #	84
64) 1,1,1,2 Tetrachloroethane	8.288	131	26585	60.60 ppbv	93
65) Chlorobenzene	8.304	112	34894	52.41 ppbv #	87
66) Ethylbenzene	8.485	91	58131	49.00 ppbv	96
67) m,p-xylene	8.567	91	95111	103.48 ppbv	100
68) Bromoform	8.649	173	38679	54.98 ppbv	94
69) Styrene	8.764	104	28695	42.53 ppbv #	86
70) 1,1,2,2-Tetrachloroethane	8.814	83	29866	57.24 ppbv #	94
71) o-xylene	8.830	91	49770	52.67 ppbv	94
72) 1,2,3-Trichloropropane	8.896	75	28042	59.06 ppbv #	77
73) Isopropylbenzene	9.159	105	56566	44.29 ppbv	94
75) Bromobenzene	9.241	156	23843	49.51 ppbv #	62
76) 2-Chlorotoluene	9.454	126	16375	47.97 ppbv	77
77) n-Propylbenzene	9.454	91	114264	36.44 ppbv	96
78) 4-Chlorotoluene	9.487	126	13661	52.02 ppbv #	1
79) 4-Ethyltoluene	9.536	105	64457	52.42 ppbv	98
80) 1,3,5-Trimethylbenzene	9.586	105	37847m	35.44 ppbv	
81) 1,2,4-Trimethylbenzene	9.848	105	38934	37.62 ppbv	87
82) tert-Butylbenzene	9.848	119	51877	44.04 ppbv	100
83) Benzyl Chloride	9.947	91	35215	35.23 ppbv	92
84) 1,3-Dichlorobenzene	9.963	146	46701	52.95 ppbv	94
85) 1,4-Dichlorobenzene	10.013	146	28070	41.00 ppbv #	86
86) sec-Butylbenzene	10.029	105	58020	40.38 ppbv	99
87) p-Isopropyltoluene	10.128	119	46807m	35.47 ppbv	
88) 1,2-Dichlorobenzene	10.243	146	34379	49.57 ppbv #	87
89) n-Butylbenzene	10.423	91	36748	36.82 ppbv	93
90) 1,2 Dibromo-3-chloropr...	10.555	75	22287	56.29 ppbv	92
91) 1,2,4-Trichlorobenzene	11.540	180	20517	38.60 ppbv	98
92) Naphthalene	11.639	128	41157	38.74 ppbv #	96
93) 1,2,3-Trichlorobenzene	11.852	180	16869	37.86 ppbv	86
94) Hexachlorobutadiene	11.918	225	18673	43.40 ppbv	97

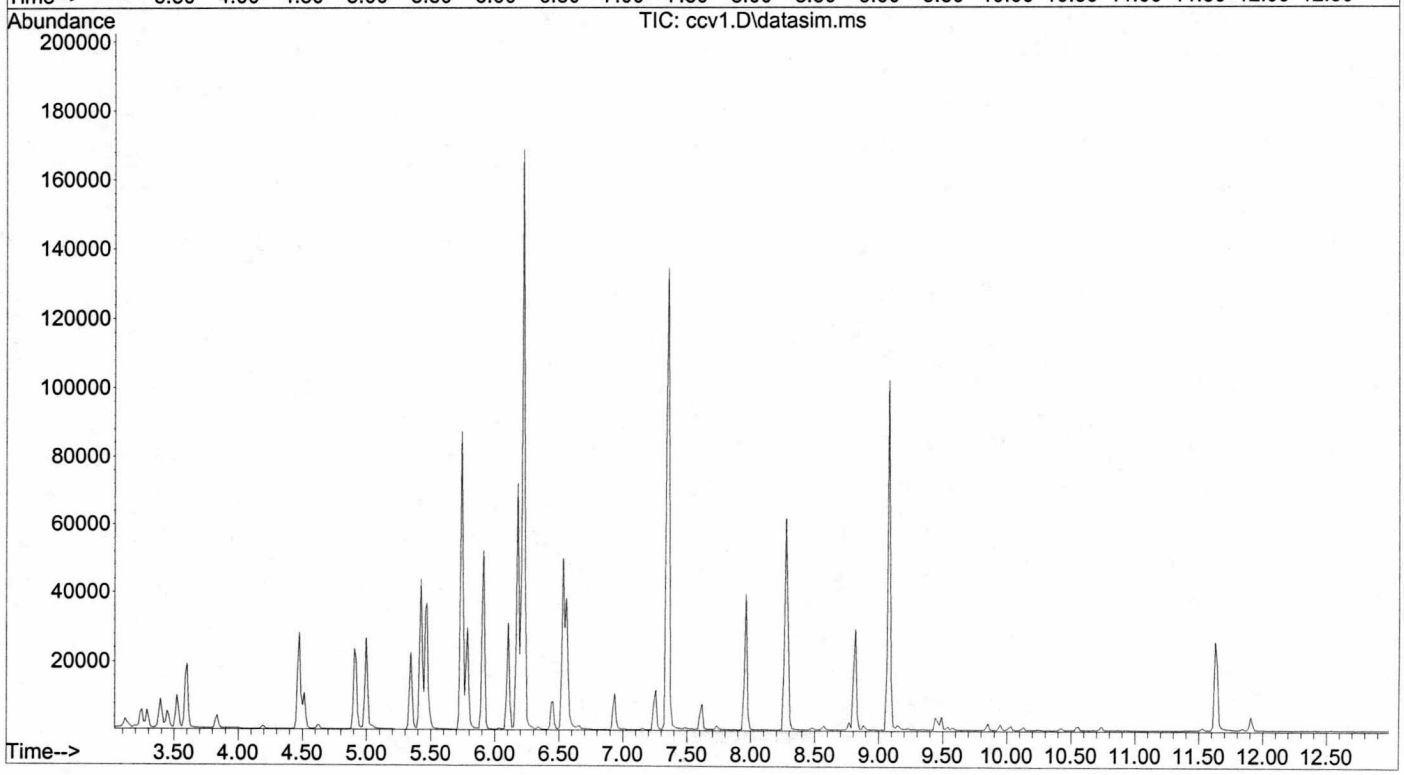
(#) = qualifier out of range (m) = manual integration (+) = signals summed

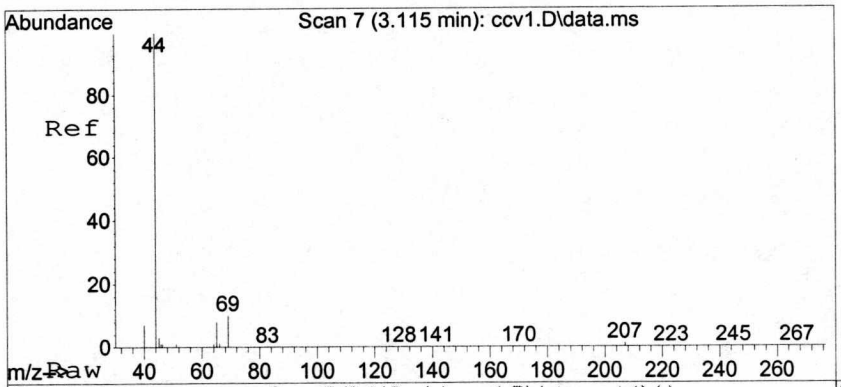
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\032615\
Data File : ccv1.D
Acq On : 25 Mar 2015 17:15
Operator : mm
Sample : 50ppbv VOCs
Misc : 1,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 17:39:08 2015
Quant Method : C:\msdchem\1\METHODS\022015VOC_TO15 .M
Quant Title : TO-15 SV GC/MS#10
QLast Update : Wed Mar 25 17:33:59 2015
Response via : Initial Calibration



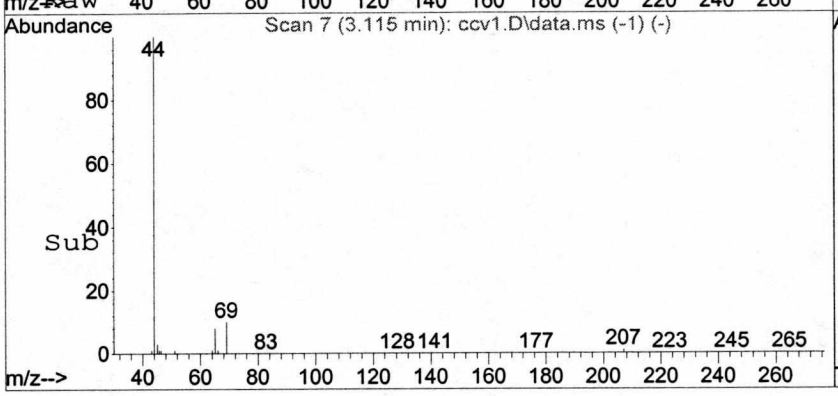


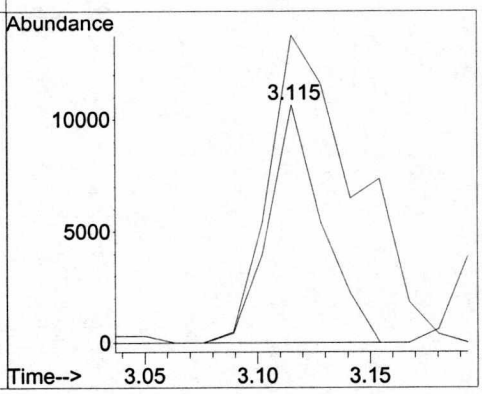


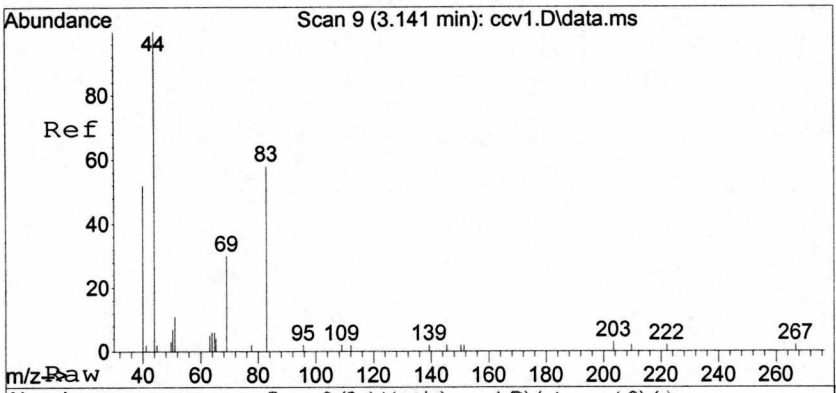
#2
1,1,1 Trifluoroethane
Concen: 71.65 ppbv
RT: 3.115 min Scan# 7
Delta R.T. -0.026 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 65 Resp: 17750

Ion	Ratio	Lower	Upper
65	100		
69	208.7	111.8	167.6#



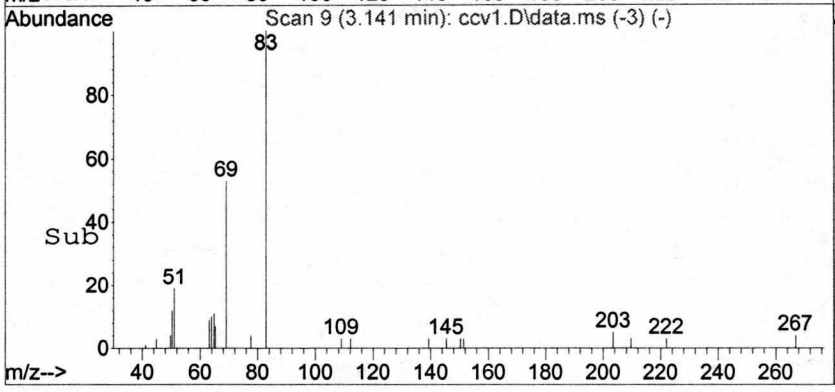


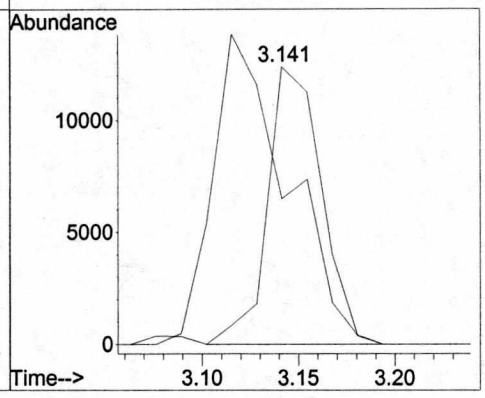


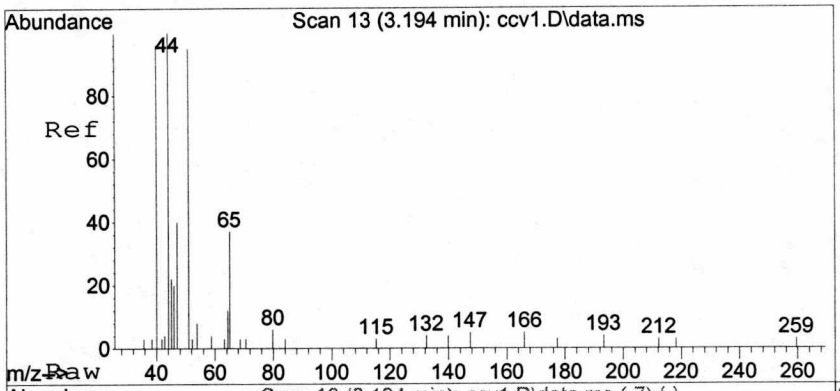
#3
1,1,1,2 Tetrafluoroethane
Concen: 72.25 ppbv
RT: 3.141 min Scan# 9
Delta R.T. -0.026 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 83 Resp: 23992

Ion	Ratio	Lower	Upper
83	100		
69	152.8	46.4	69.6#



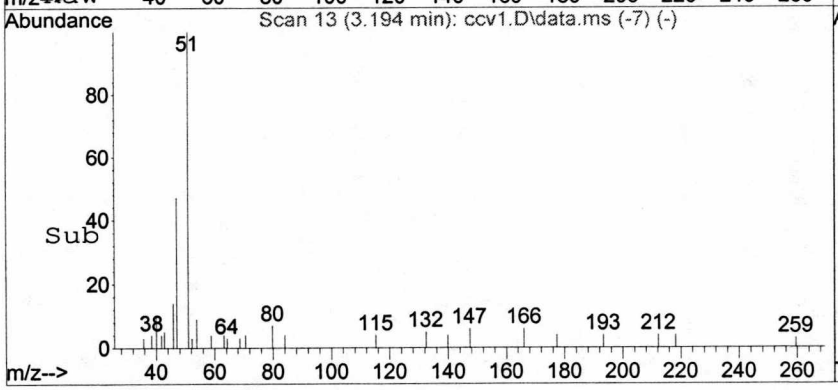


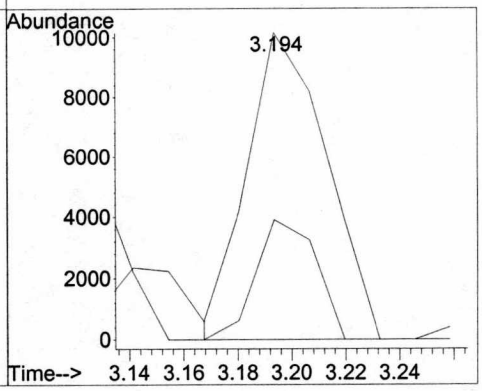


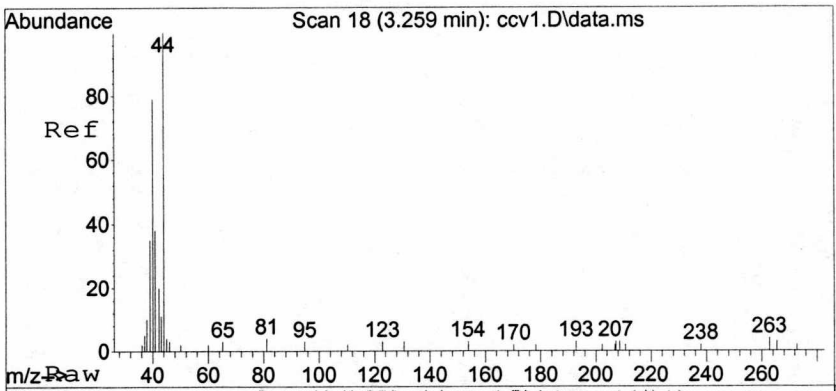
#4
1,1-Difluoroethane
Concen: 63.15 ppbv
RT: 3.194 min Scan# 13
Delta R.T. -0.026 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 51 Resp: 20694

Ion	Ratio	Lower	Upper
51	100		
65	29.4	19.8	29.6



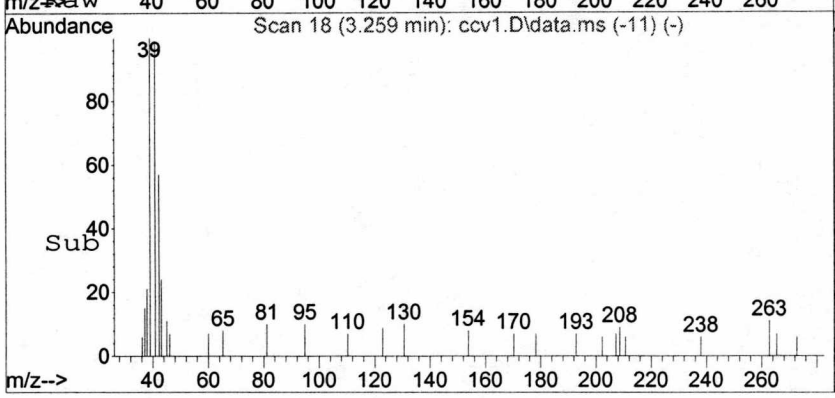


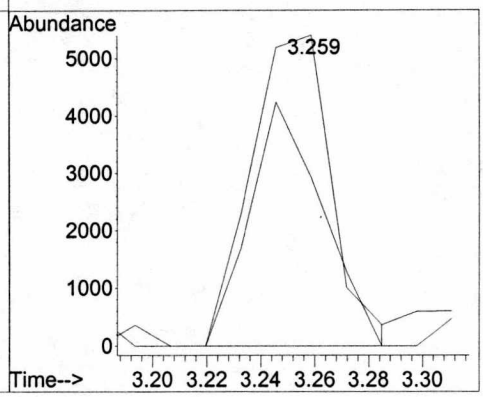


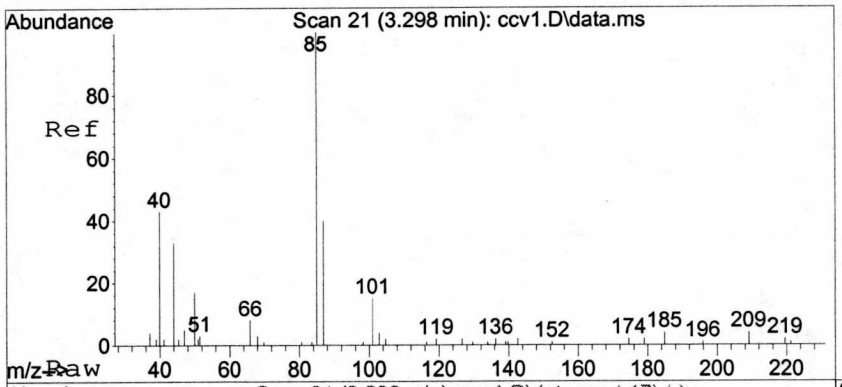
#5
Propene
Concen: 50.60 ppbv
RT: 3.259 min Scan# 18
Delta R.T. -0.013 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 41 Resp: 11162

Ion	Ratio	Lower	Upper
41	100		
42	71.0	65.0	97.4



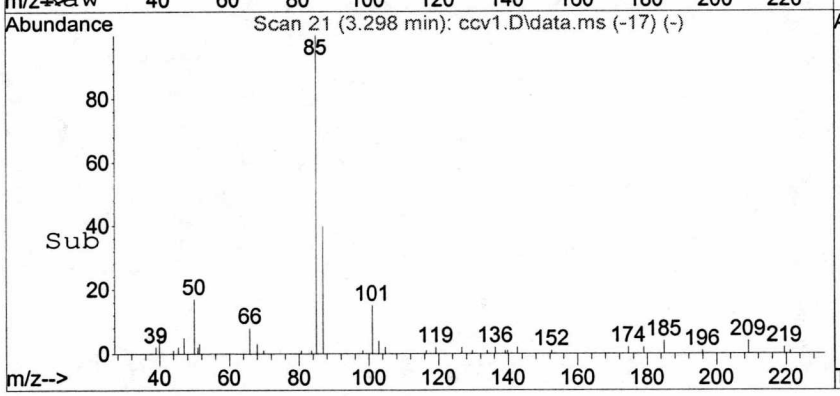


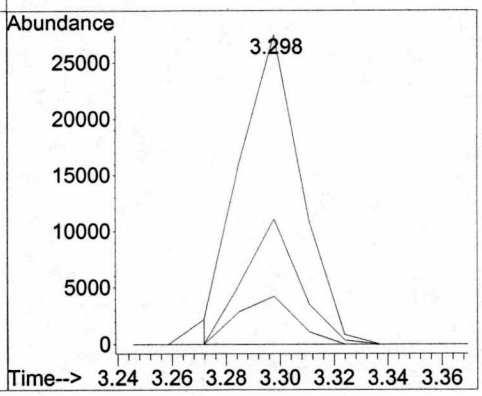


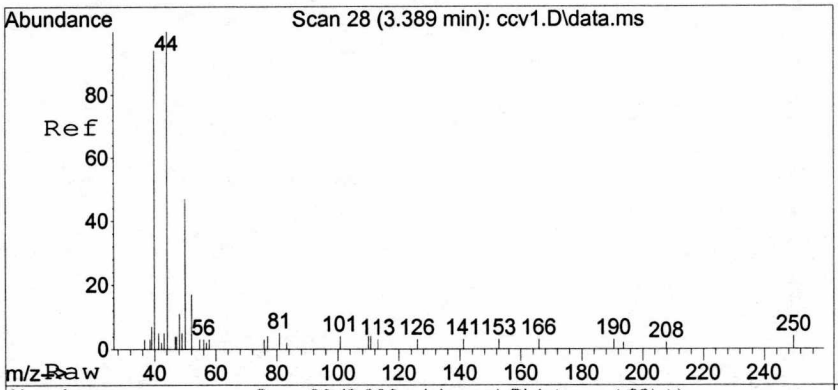
#6
Dichlorodifluoromethane
Concen: 50.30 ppbv
RT: 3.298 min Scan# 21
Delta R.T. -0.013 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 85 Resp: 43154

Ion	Ratio	Lower	Upper
85	100		
87	36.5	23.4	35.0#
101	14.8	11.2	16.8



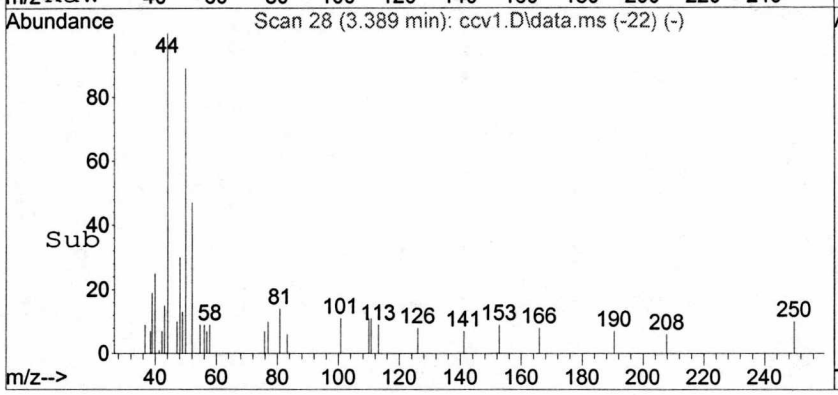


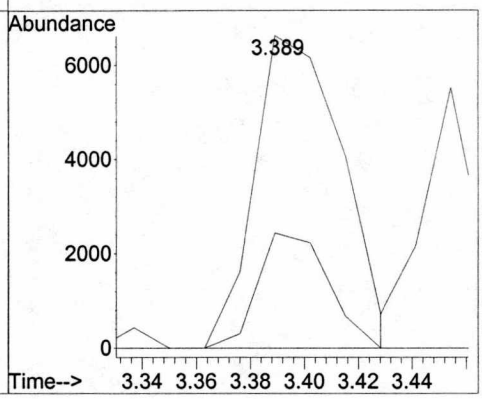


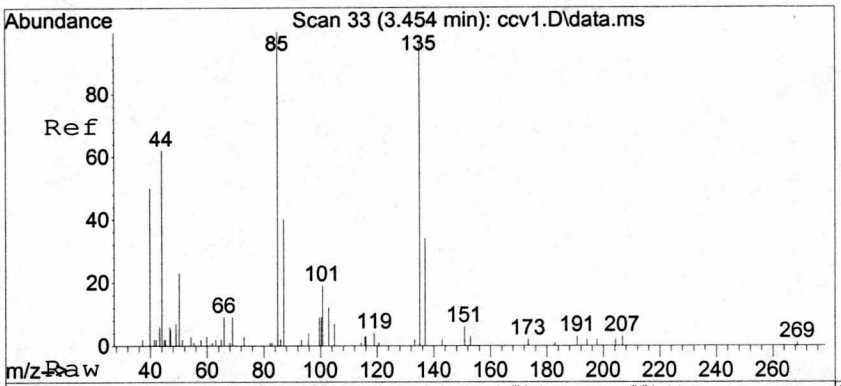
#7
Chloromethane
Concen: 51.35 ppbv
RT: 3.389 min Scan# 28
Delta R.T. -0.026 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 50 Resp: 15033

Ion	Ratio	Lower	Upper
50	100		
52	29.4	10.2	15.4#



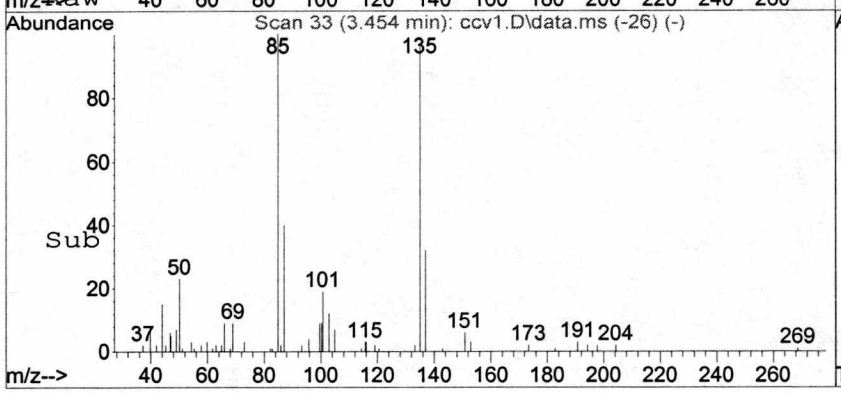


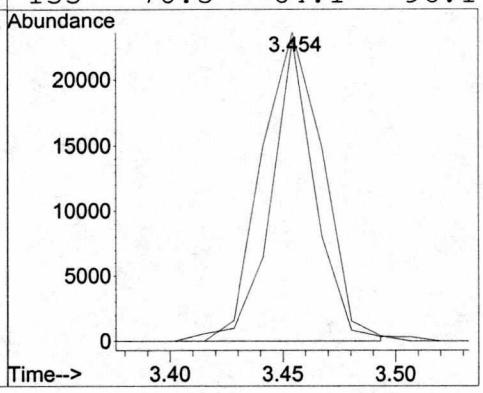


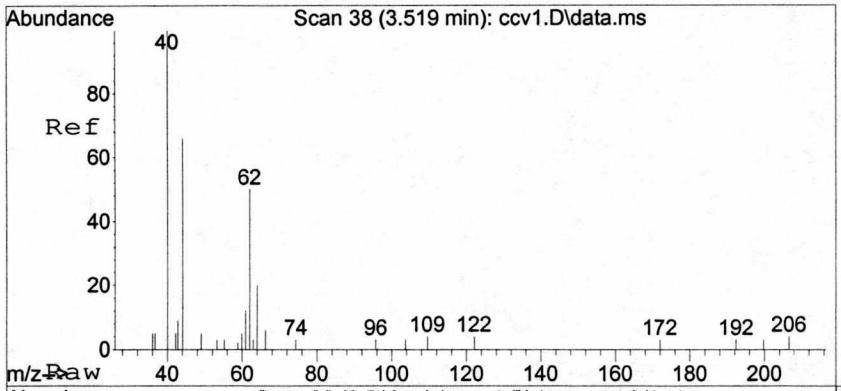
#8
Dichlorotetrafluoroethane
Concen: 55.12 ppbv
RT: 3.454 min Scan# 33
Delta R.T. -0.013 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 85 Resp: 44596

Ion	Ratio	Lower	Upper
85	100		
135	70.5	64.1	96.1
85	100.0	80.0	120.0
135	70.5	64.1	96.1



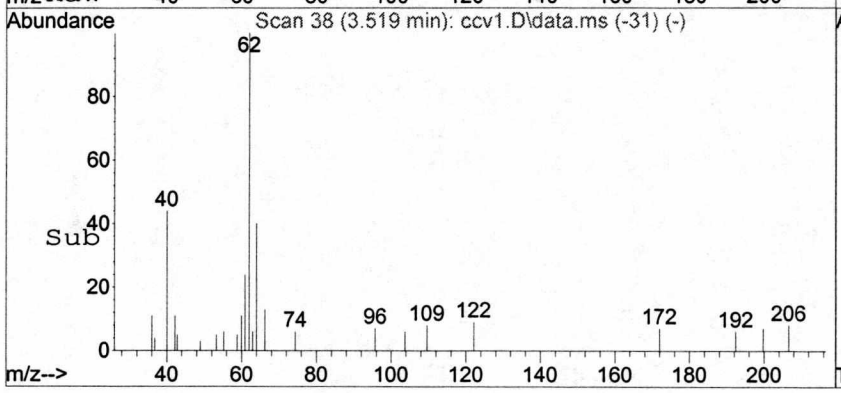


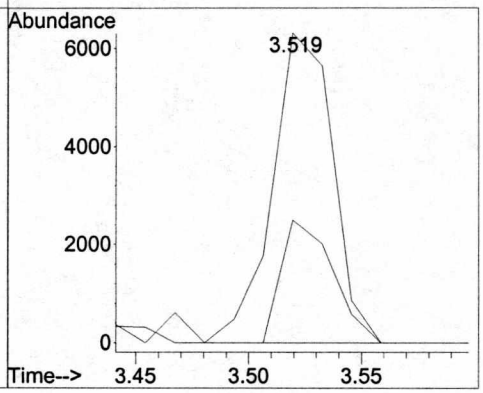


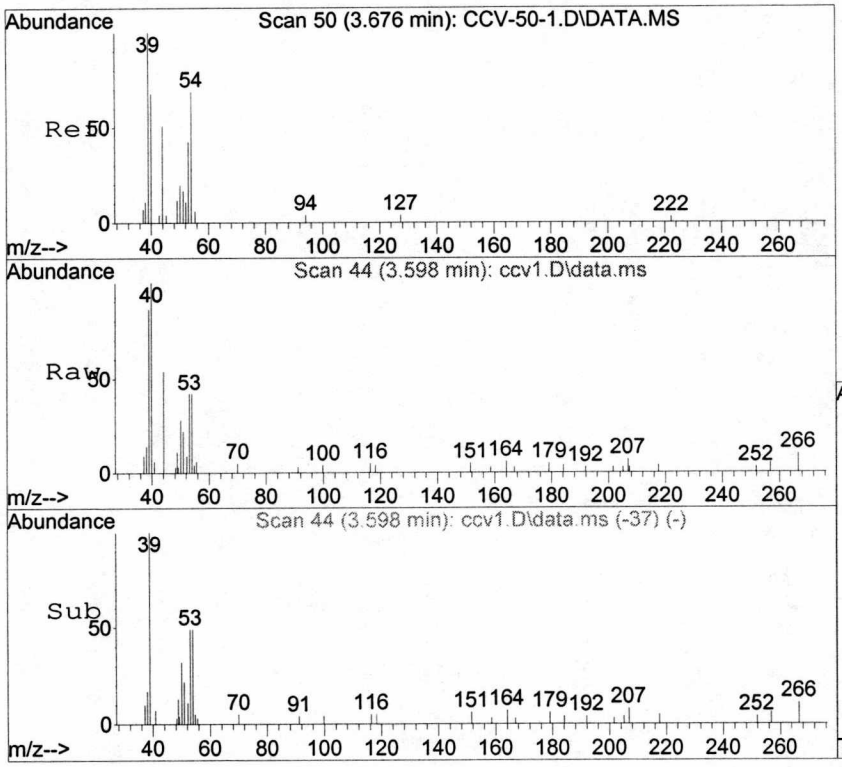
#9
Vinyl Chloride
Concen: 43.73 ppbv
RT: 3.519 min Scan# 38
Delta R.T. -0.013 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 62 Resp: 11787

Ion	Ratio	Lower	Upper
62	100		
64	33.8	26.6	39.8



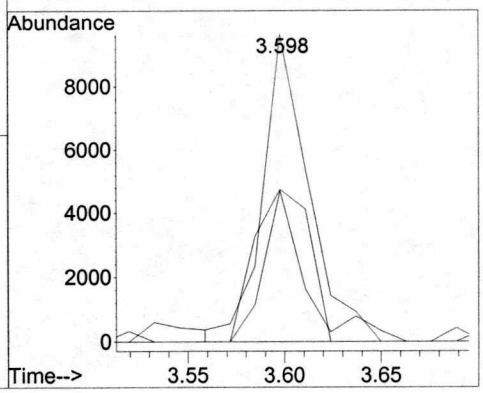


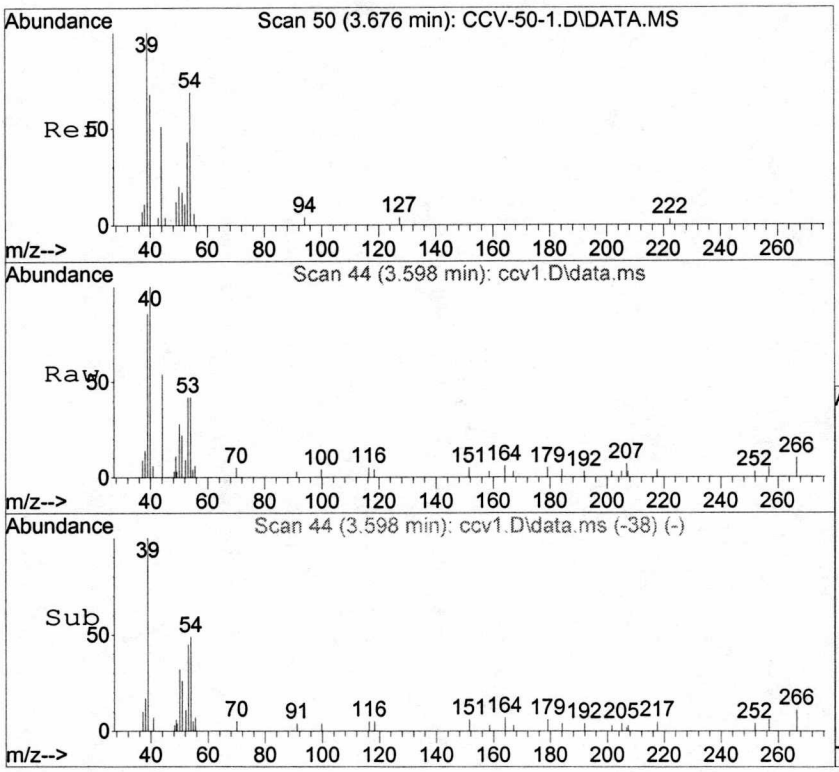


#10
1,3-Butadiene~39
Concen: 57.64 ppbv
RT: 3.598 min Scan# 44
Delta R.T. -0.013 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 39 Resp: 15902

Ion	Ratio	Lower	Upper
39	100		
54	59.6	42.2	63.4
53	38.2	26.4	39.6

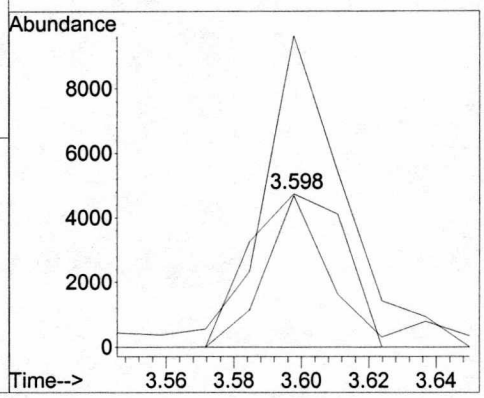


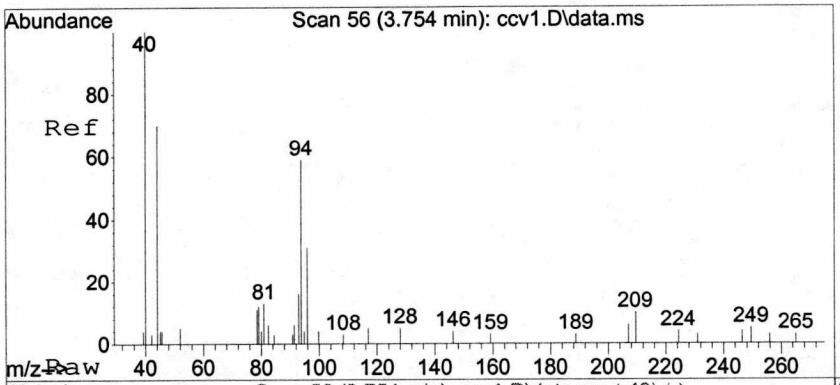


#11
1,3-Butadiene~54
Concen: 40.50 ppbv
RT: 3.598 min Scan# 44
Delta R.T. -0.013 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 54 Resp: 9482

Ion	Ratio	Lower	Upper
54	100		
39	167.7	151.6	227.4
53	64.1	50.0	75.0

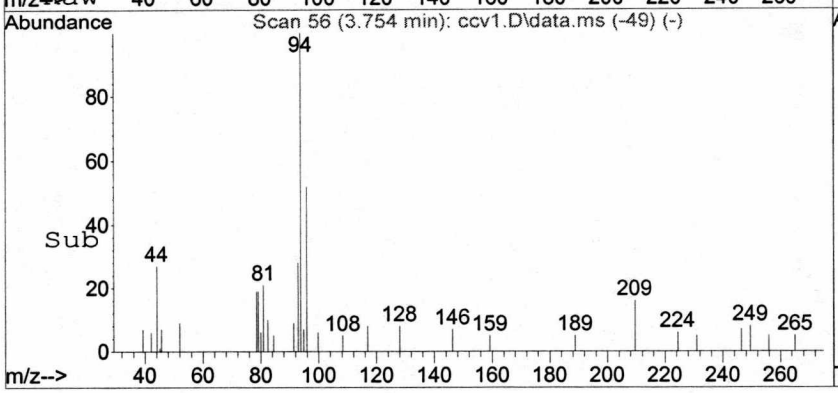


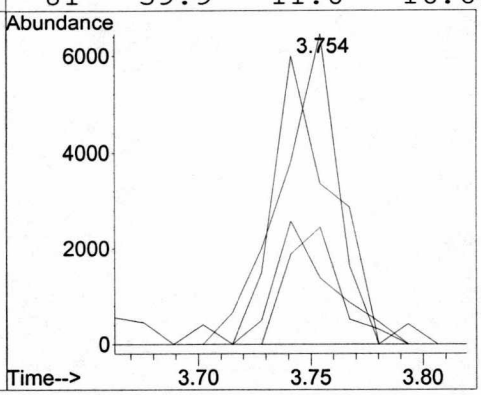


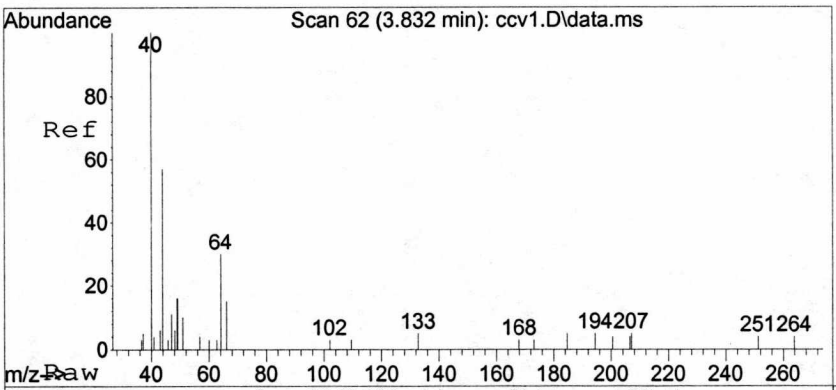
#12
Bromomethane
Concen: 42.45 ppbv
RT: 3.754 min Scan# 56
Delta R.T. -0.013 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 94 Resp: 11395

Ion	Ratio	Lower	Upper
94	100		
96	94.2	78.8	118.2
79	35.5	12.5	18.7#
81	39.9	11.0	16.6#



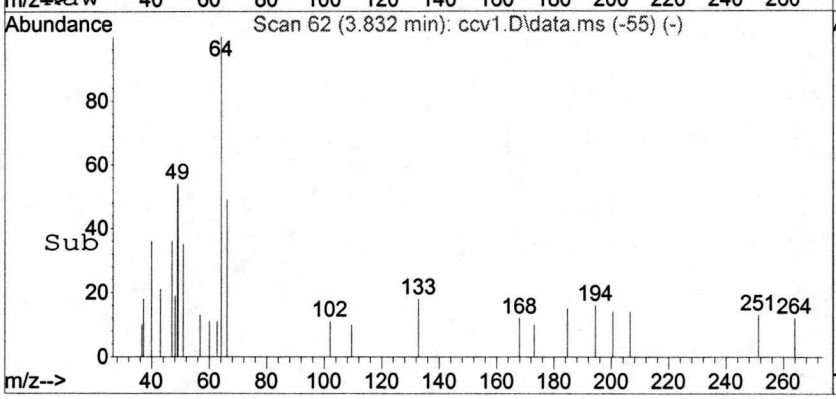


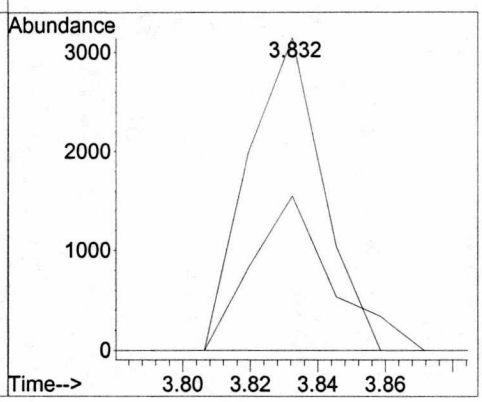


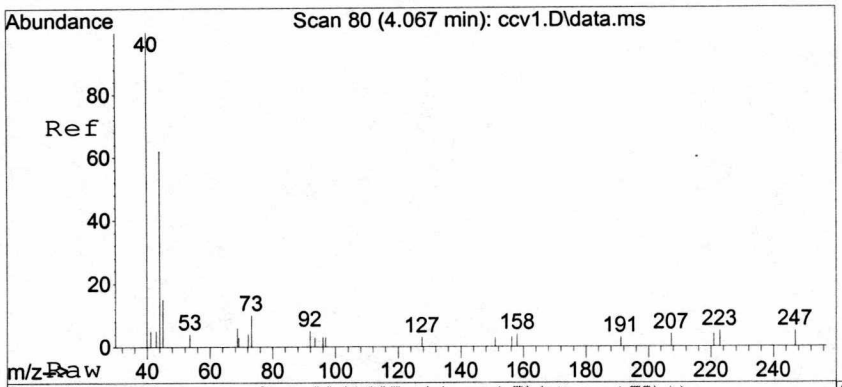
#13
Chloroethane
Concen: 37.21 ppbv
RT: 3.832 min Scan# 62
Delta R.T. -0.013 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 64 Resp: 4830

Ion	Ratio	Lower	Upper
64	100		
66	52.6	17.1	25.7#



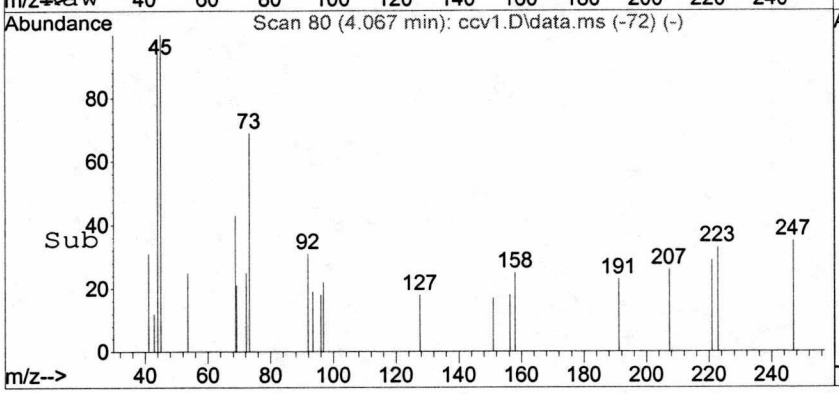


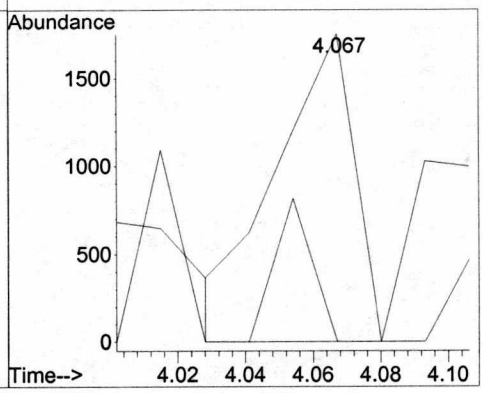


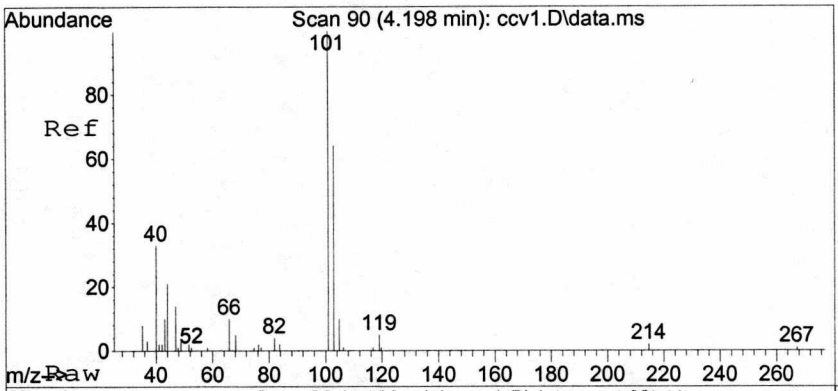
#14
Ethanol
Concen: 24.70 ppbv
RT: 4.067 min Scan# 80
Delta R.T. 0.000 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 45 Resp: 2800

Ion	Ratio	Lower	Upper
45	100		
46	0.0	0.0	0.0



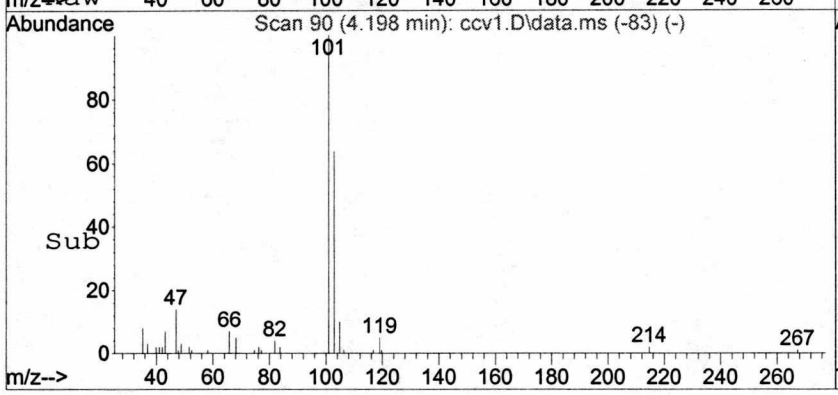


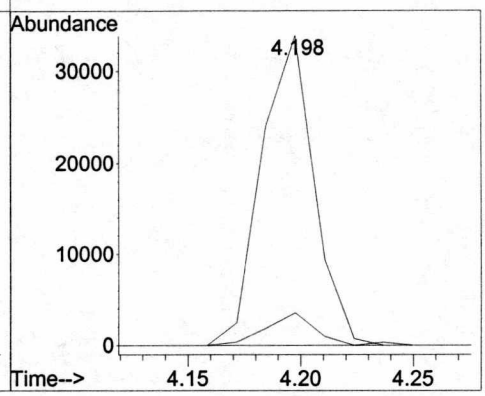


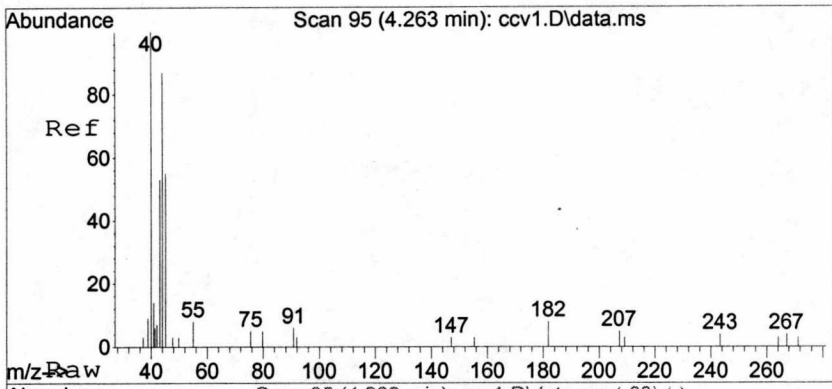
#15
Trichlorofluoromethane
Concen: 53.76 ppbv
RT: 4.198 min Scan# 90
Delta R.T. -0.013 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion:101 Resp: 55155

Ion	Ratio	Lower	Upper
101	100		
105	9.6	8.6	12.8



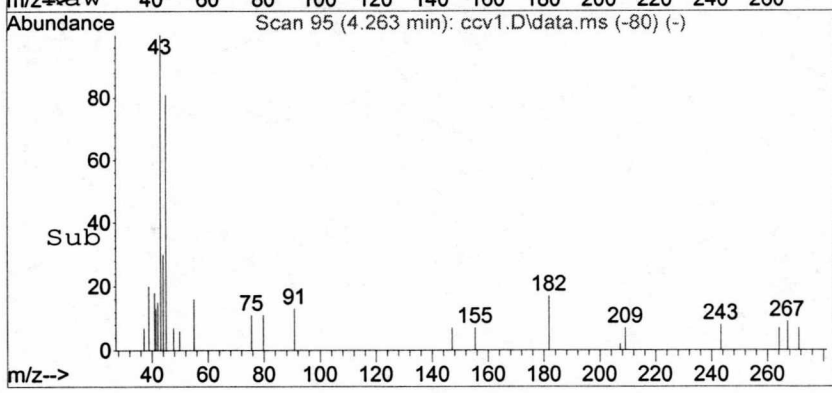


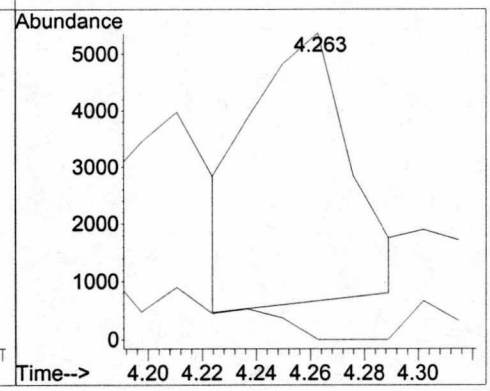


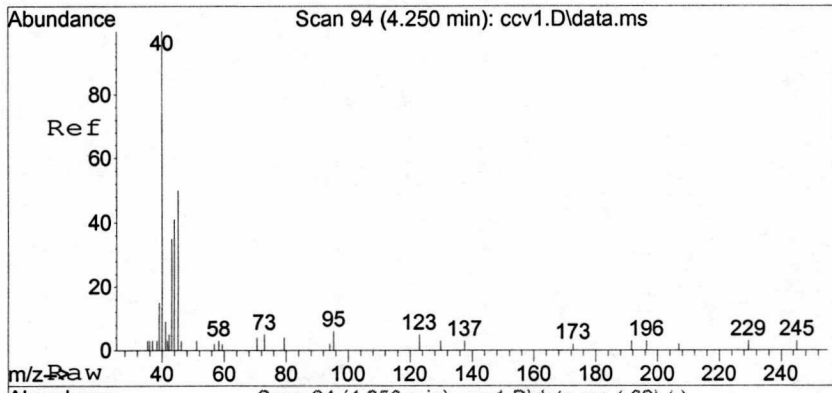
#16
Acetone
Concen: 25.63 ppbv
RT: 4.263 min Scan# 95
Delta R.T. 0.000 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 43 Resp: 12120

Ion	Ratio	Lower	Upper
43	100		
58	6.4	0.0	0.0#



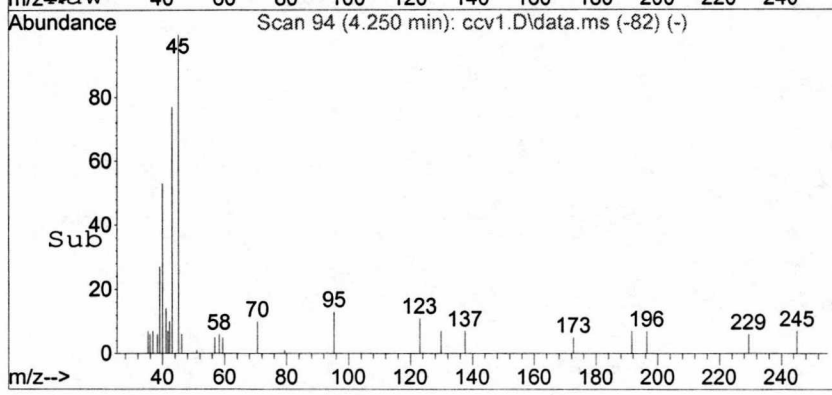


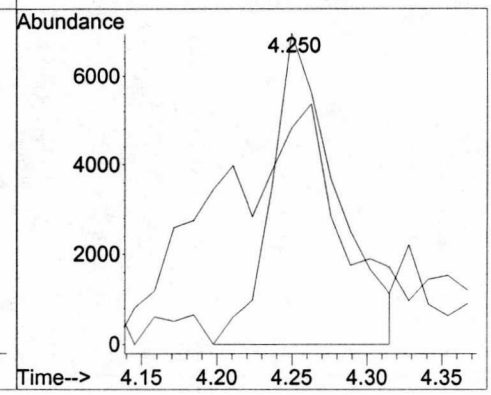


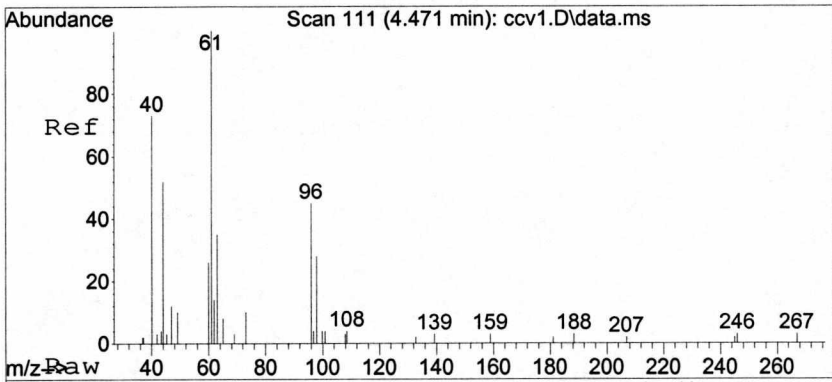
#17
Isopropyl alcohol
Concen: 29.53 ppbv
RT: 4.250 min Scan# 94
Delta R.T. 0.000 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 45 Resp: 20893

Ion	Ratio	Lower	Upper
45	100		
43	66.5	55.4	83.0



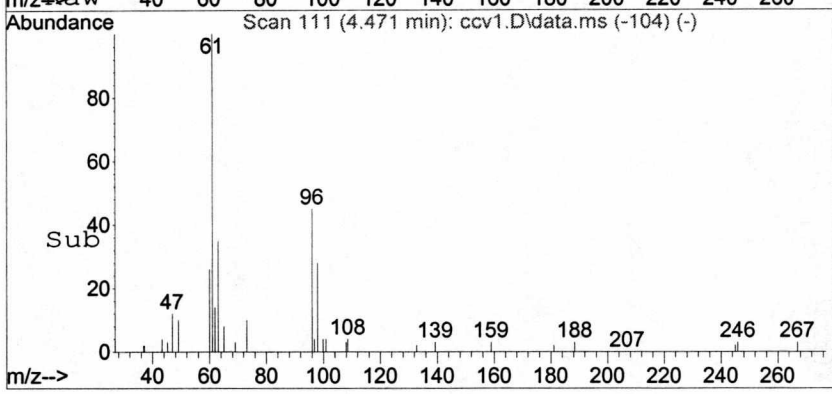


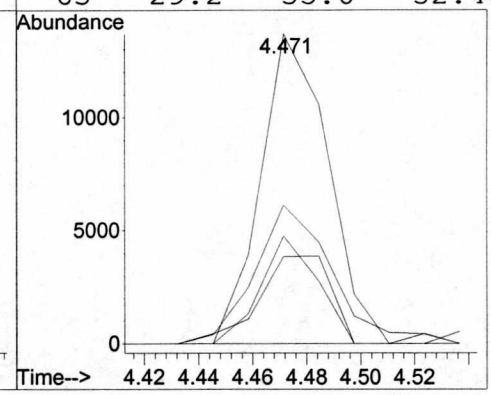


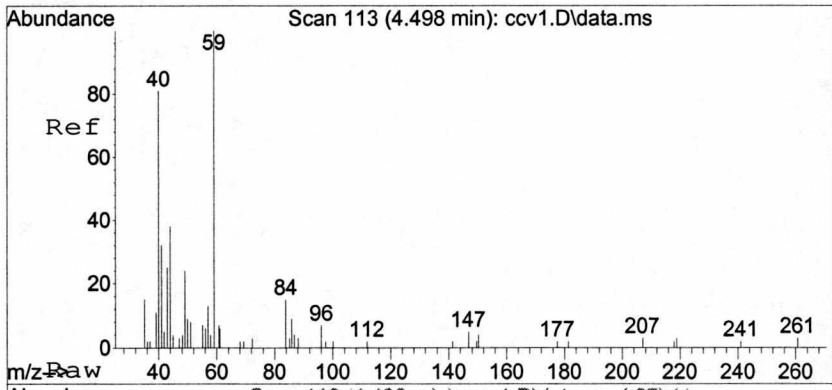
#18
1,1-Dichloroethene
Concen: 47.87 ppbv
RT: 4.471 min Scan# 111
Delta R.T. -0.013 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 61 Resp: 23761

Ion	Ratio	Lower	Upper
61	100		
96	51.5	58.7	88.1#
98	30.4	29.0	43.4
63	29.2	35.0	52.4#



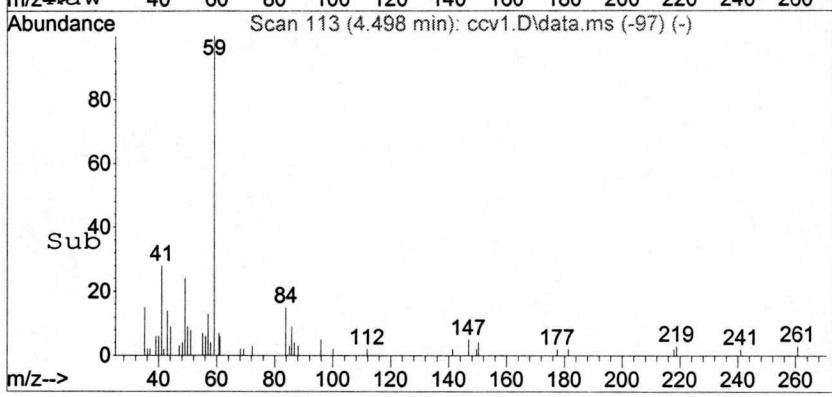


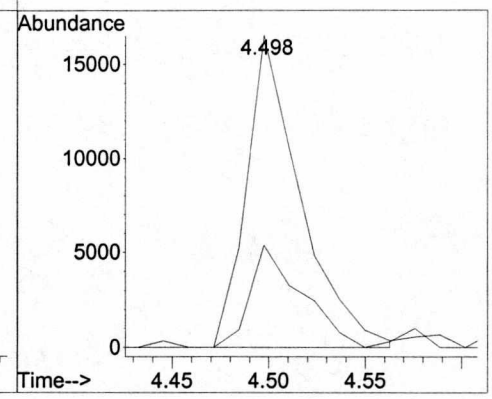


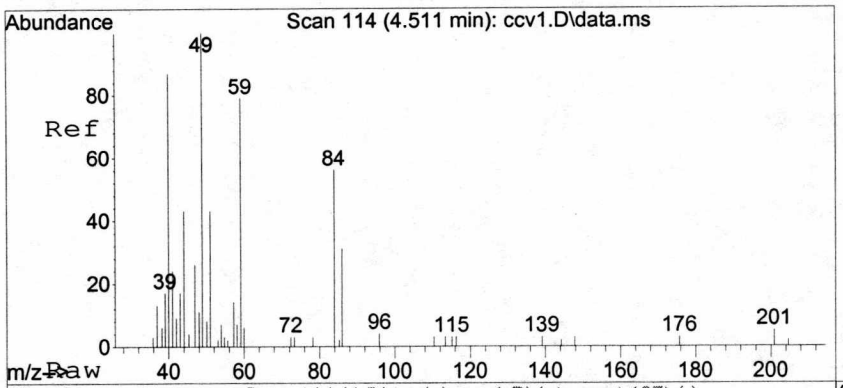
#19
tert-Butyl Alcohol
Concen: 39.79 ppbv
RT: 4.498 min Scan# 113
Delta R.T. -0.013 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 59 Resp: 32031

Ion	Ratio	Lower	Upper
59	100		
41	31.2	18.9	28.3#



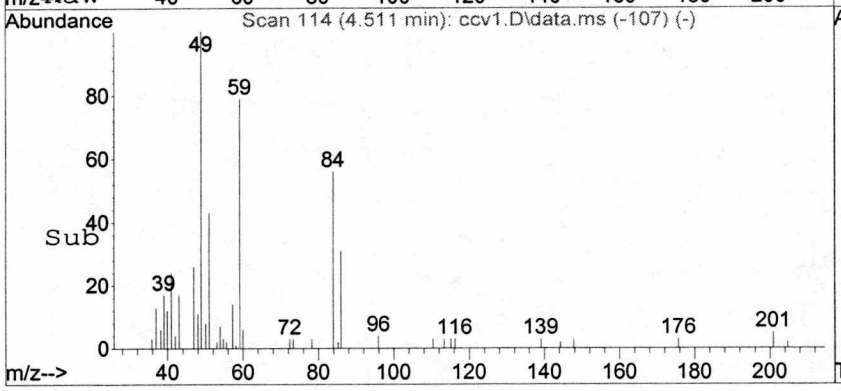


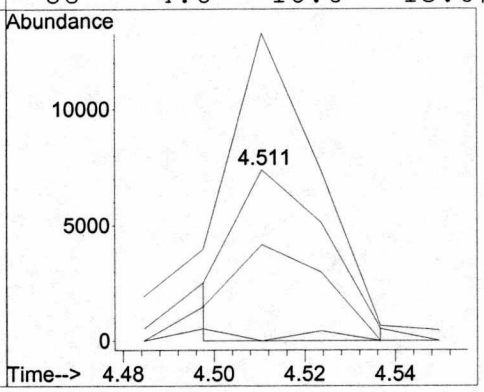


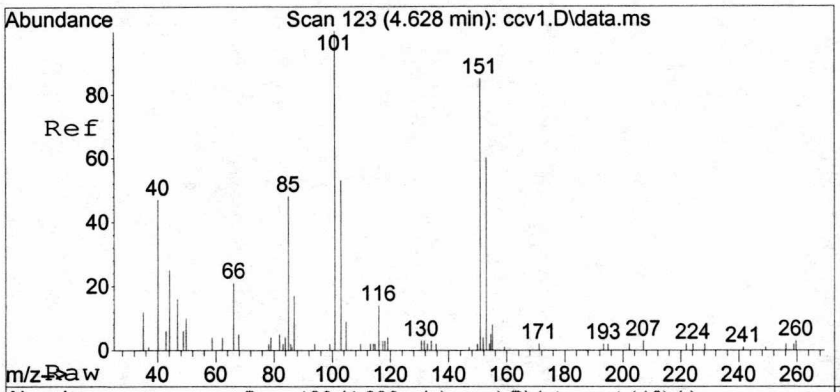
#20
Methylene Chloride
Concen: 54.75 ppbv m
RT: 4.511 min Scan# 114
Delta R.T. -0.013 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 84 Resp: 10214

Ion	Ratio	Lower	Upper
84	100		
86	66.1	39.8	59.6#
49	222.4	137.8	206.8#
88	4.0	10.0	15.0#



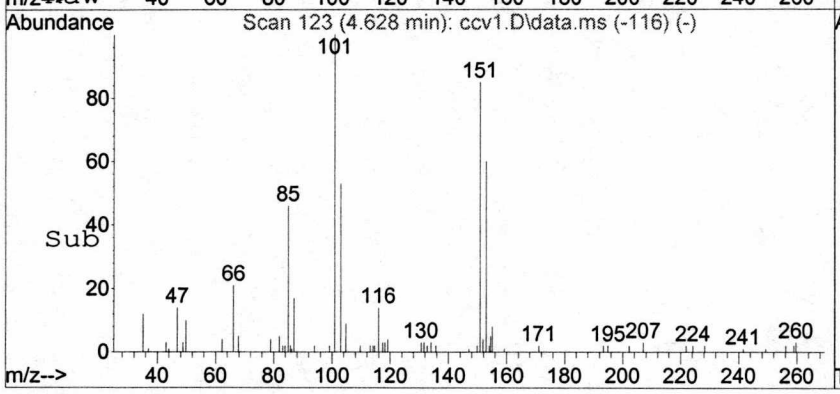


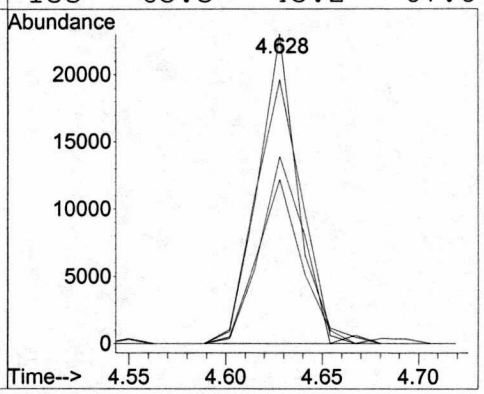


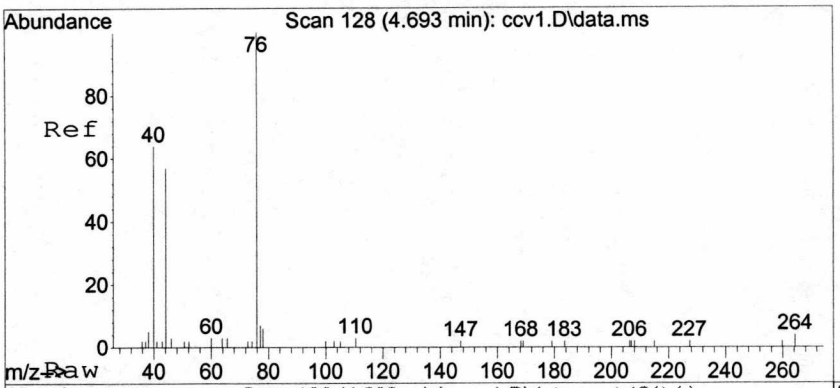
#21
1,1,2-Trichlorotrifluoroethane
Concen: 55.86 ppbv
RT: 4.628 min Scan# 123
Delta R.T. -0.013 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion:101 Resp: 33230

Ion	Ratio	Lower	Upper
101	100		
151	98.4	101.2	151.8#
103	58.4	59.8	89.8#
153	65.3	45.2	67.8



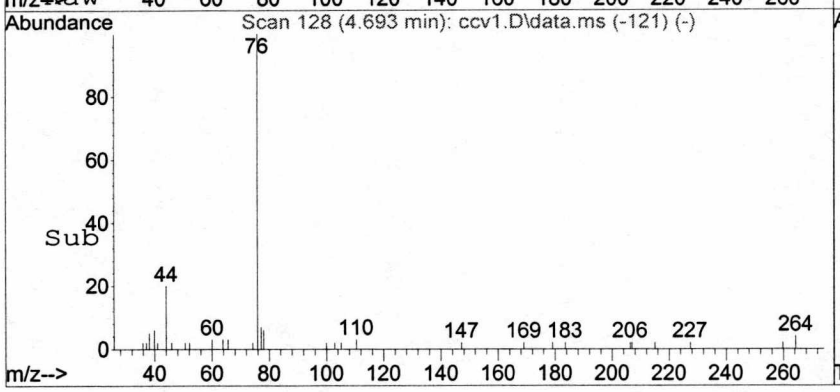


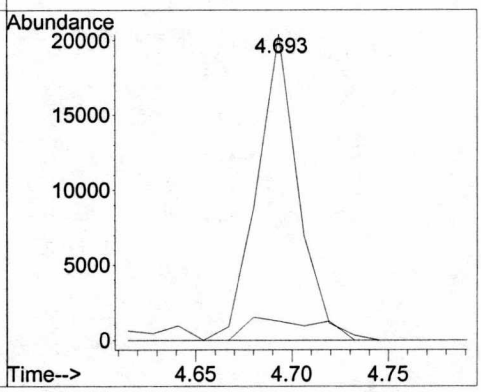


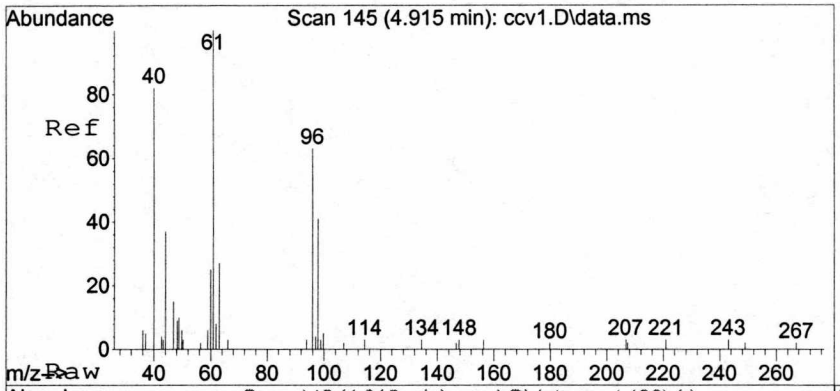
#22
Carbon Disulfide
Concen: 45.15 ppbv
RT: 4.693 min Scan# 128
Delta R.T. -0.003 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 76 Resp: 30136

Ion	Ratio	Lower	Upper
76	100		
78	9.7	8.4	12.6



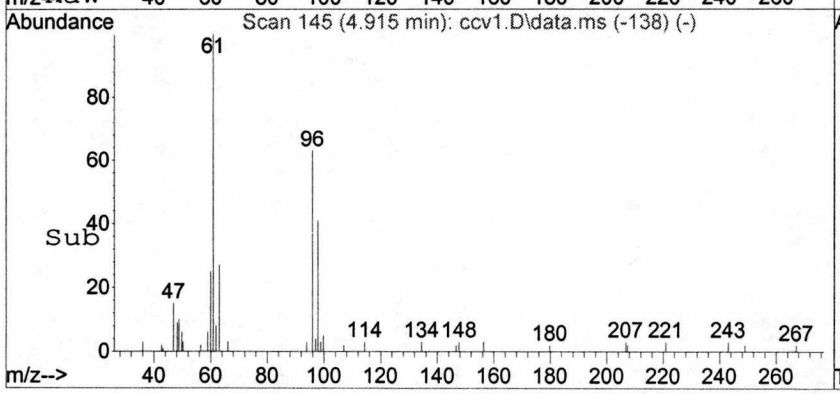


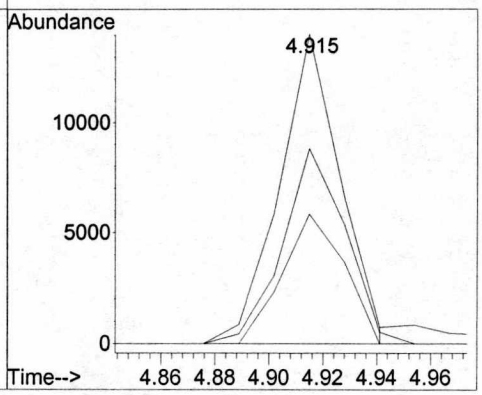


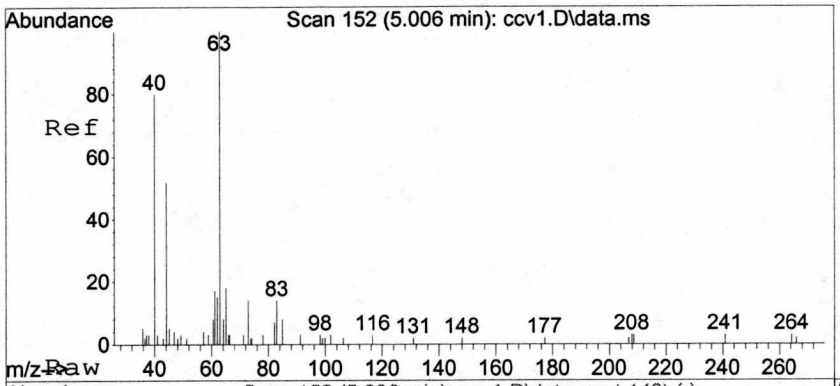
#23
trans-1,2-Dichloroethene
Concen: 47.07 ppbv
RT: 4.915 min Scan# 145
Delta R.T. -0.003 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 61 Resp: 21970

Ion	Ratio	Lower	Upper
61	100		
96	64.6	31.9	47.9#
98	42.0	26.8	40.2#



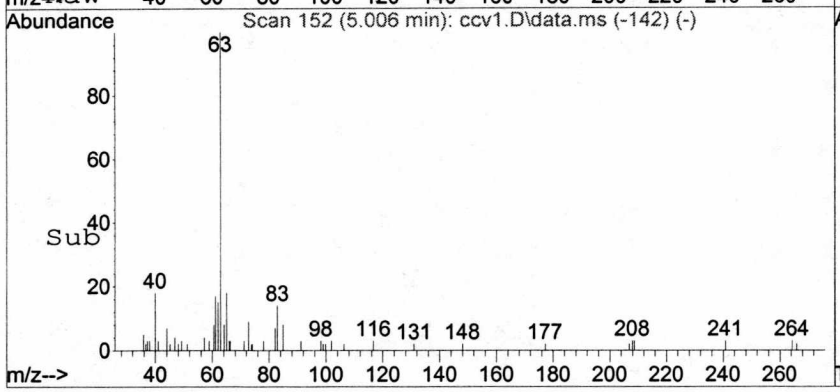


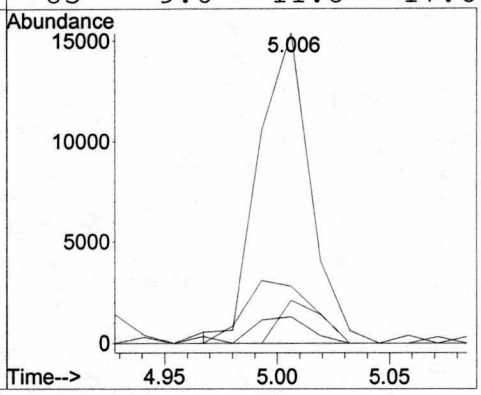


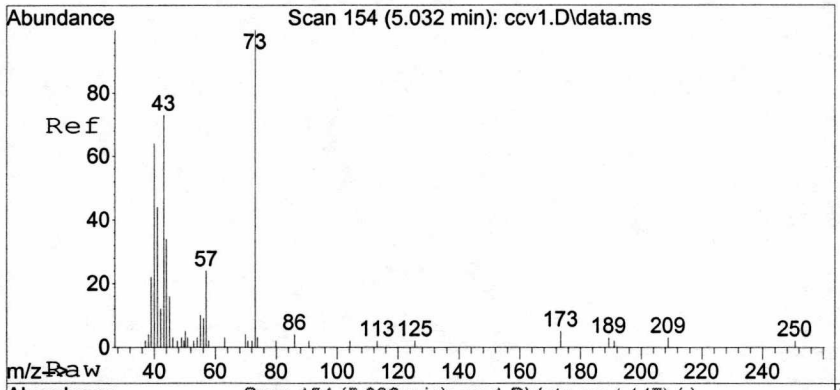
#24
1,1-Dichloroethane
Concen: 43.31 ppbv
RT: 5.006 min Scan# 152
Delta R.T. 0.010 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 63 Resp: 24469

Ion	Ratio	Lower	Upper
63	100		
65	26.1	19.5	29.3
83	11.3	11.4	17.2#
85	9.0	11.8	17.6#



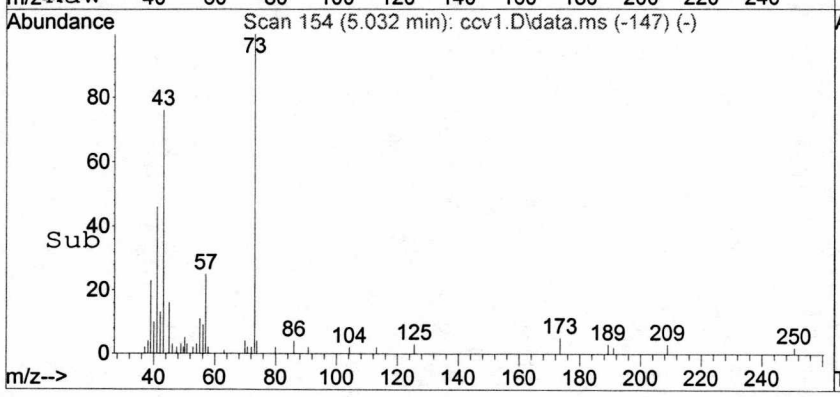


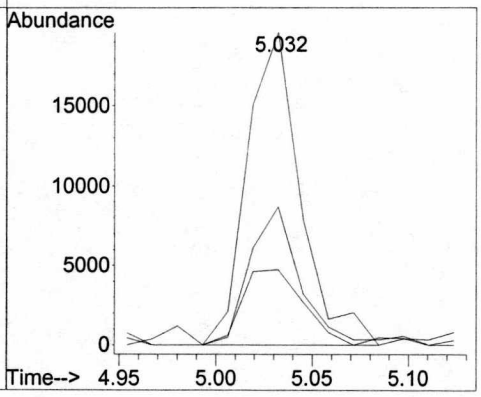


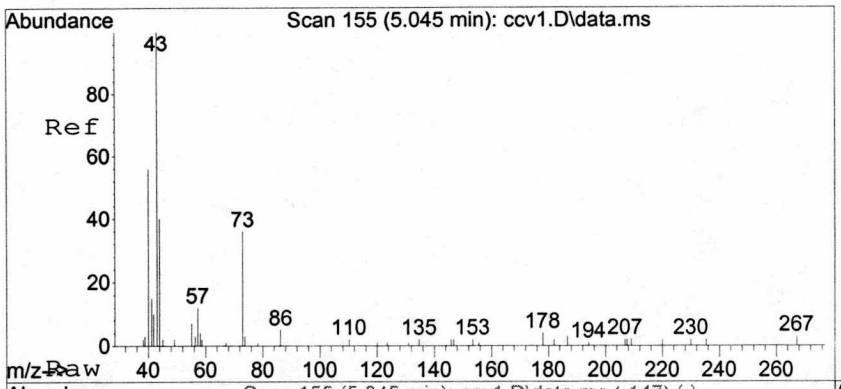
#25
Methyl tert-Butyl Ether
Concen: 45.08 ppbv
RT: 5.032 min Scan# 154
Delta R.T. -0.002 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 73 Resp: 37801

Ion	Ratio	Lower	Upper
73	100		
57	27.8	18.6	28.0
41	42.0	25.8	38.8#



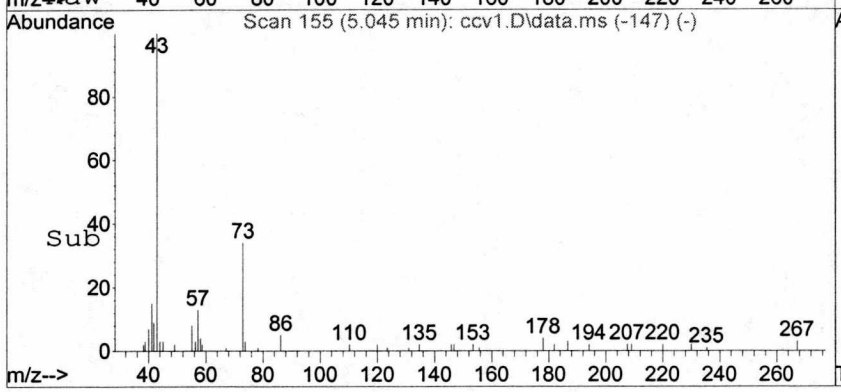


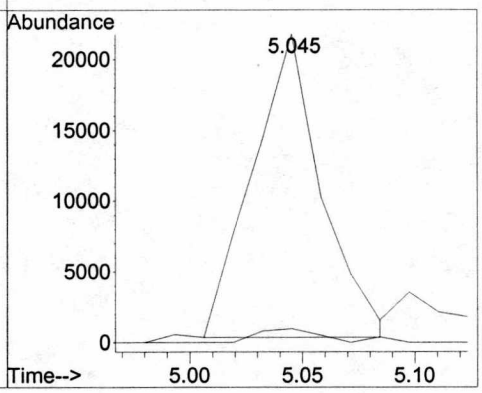


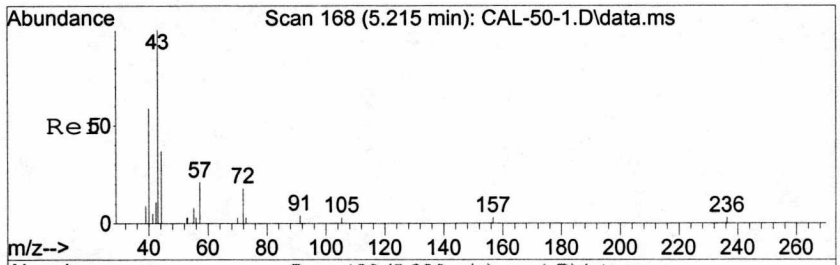
#26
Vinyl Acetate
Concen: 40.11 ppbv
RT: 5.045 min Scan# 155
Delta R.T. 0.000 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 43 Resp: 45722

Ion	Ratio	Lower	Upper
43	100		
86	3.9	3.5	5.3



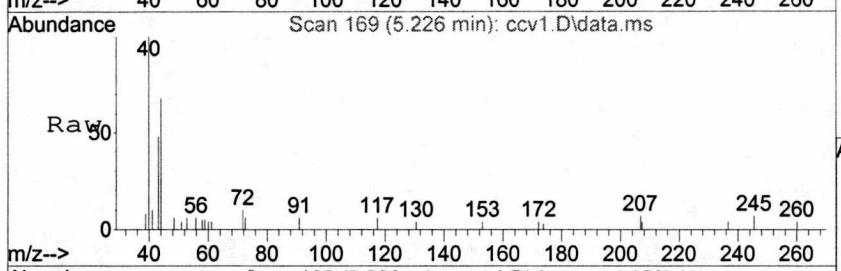


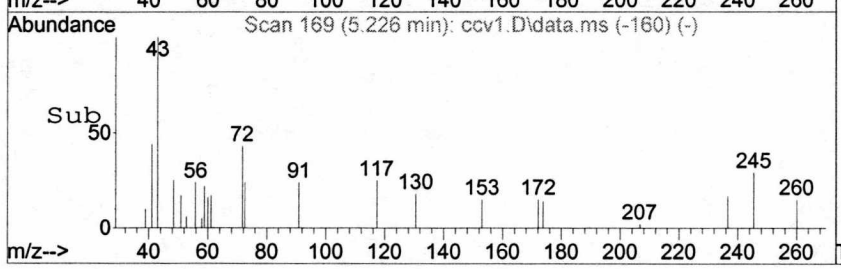


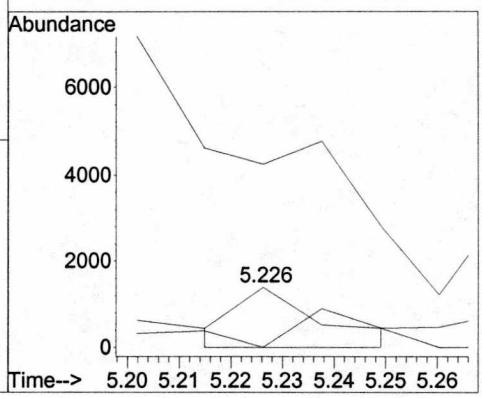
#27
2-Butanone
Concen: 16.48 ppbv
RT: 5.226 min Scan# 169
Delta R.T. 0.011 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

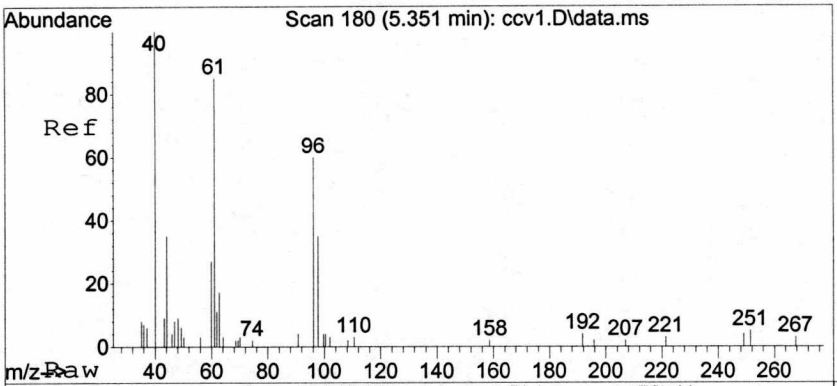
Tgt Ion: 72 Resp: 1608

Ion	Ratio	Lower	Upper
72	100		
43	218.7	266.6	399.8#
57	57.2	29.0	43.6#





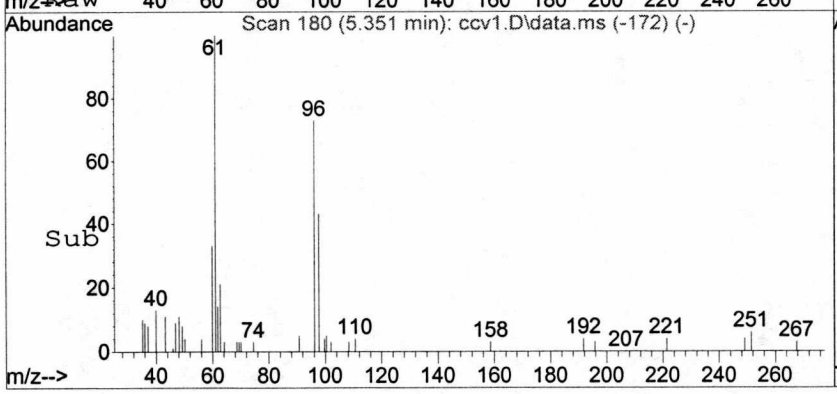


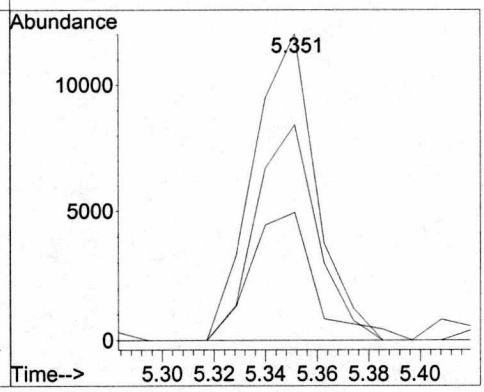


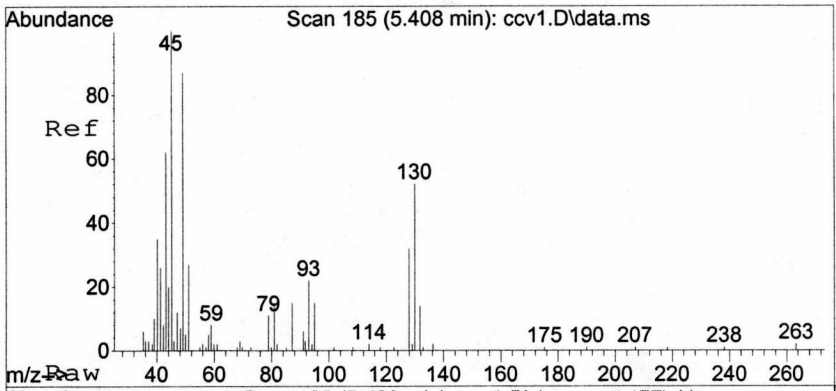
#28
cis-1,2-dichloroethene
Concen: 46.63 ppbv
RT: 5.351 min Scan# 180
Delta R.T. -0.011 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 61 Resp: 20301

Ion	Ratio	Lower	Upper
61	100		
96	68.0	46.5	69.7
98	40.9	17.4	26.0#



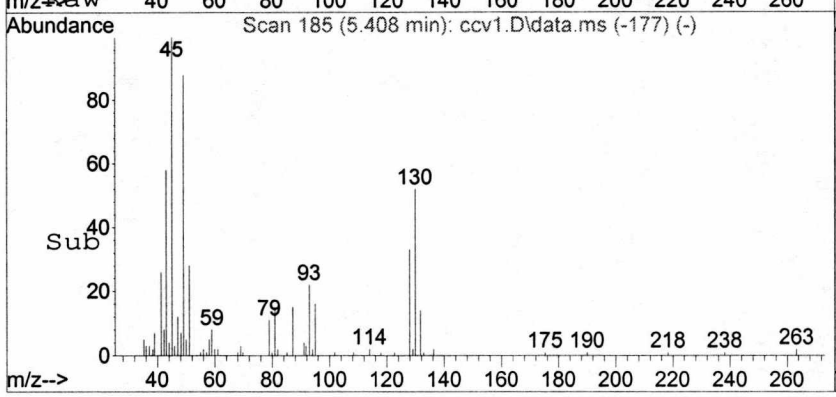


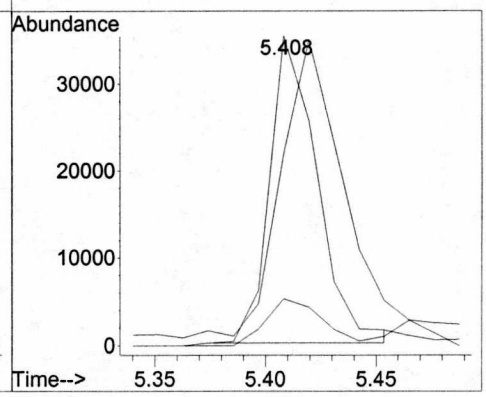


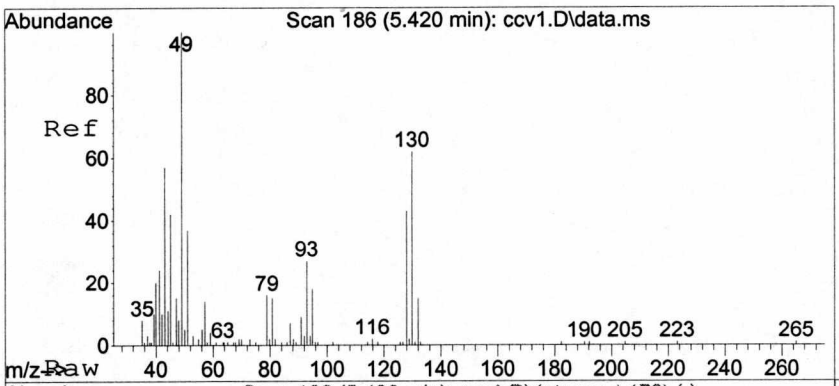
#29
Di-Isopropyl Ether
Concen: 39.78 ppbv
RT: 5.408 min Scan# 185
Delta R.T. -0.011 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 45 Resp: 52470

Ion	Ratio	Lower	Upper
45	100		
43	127.5	50.5	75.7#
87	18.1	14.1	21.1



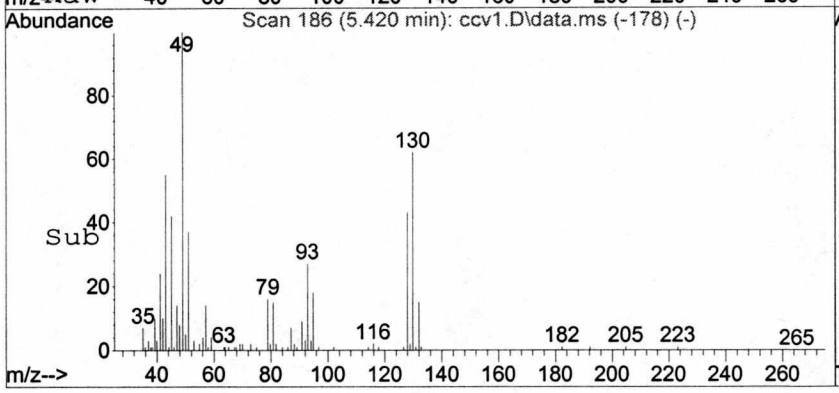


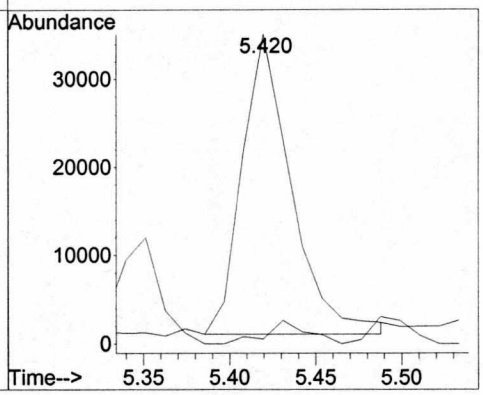


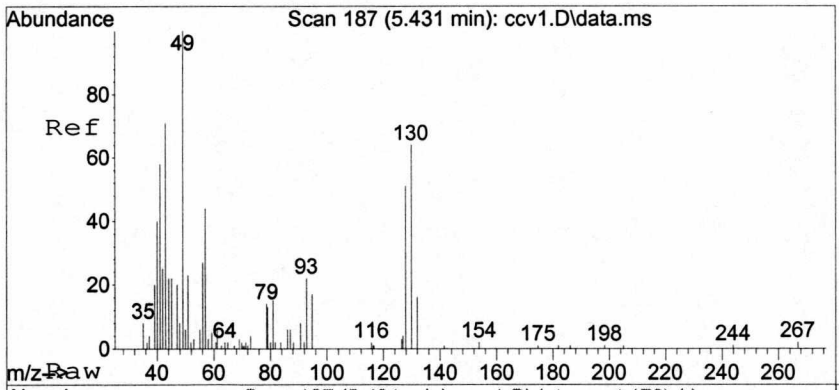
#30
Ethyl Acetate
Concen: 41.39 ppbv
RT: 5.420 min Scan# 186
Delta R.T. -0.011 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 43 Resp: 67824

Ion	Ratio	Lower	Upper
43	100		
61	6.4	5.2	7.8



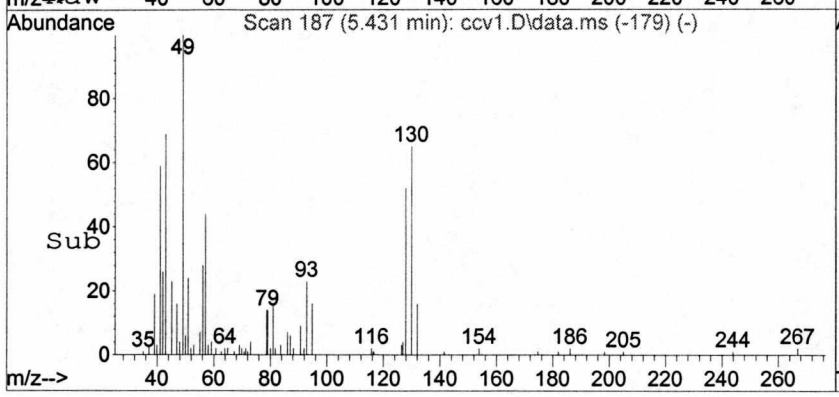


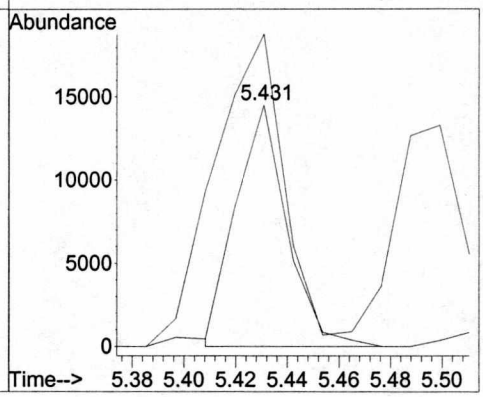


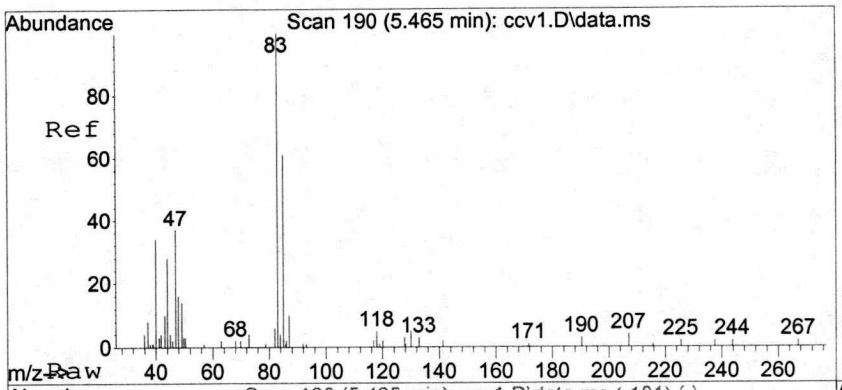
#31
n-Hexane
Concen: 47.53 ppbv
RT: 5.431 min Scan# 187
Delta R.T. -0.011 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 57 Resp: 19958

Ion	Ratio	Lower	Upper
57	100		
41	176.3	124.1	186.1



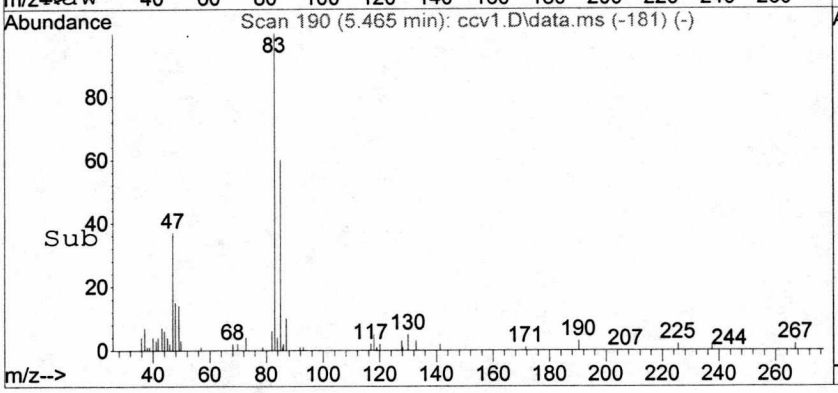


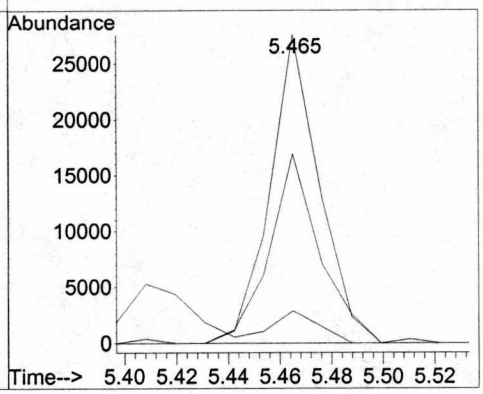


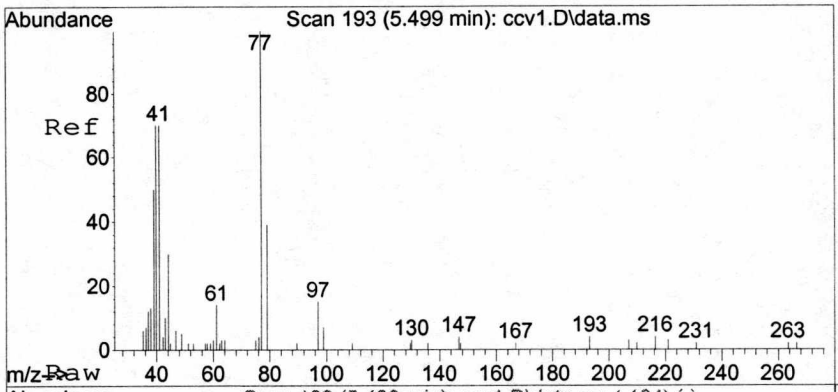
#32
Chloroform
Concen: 56.23 ppbv
RT: 5.465 min Scan# 190
Delta R.T. 0.000 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 83 Resp: 36517

Ion	Ratio	Lower	Upper
83	100		
85	63.1	34.7	52.1#
87	10.0	0.0	0.0#



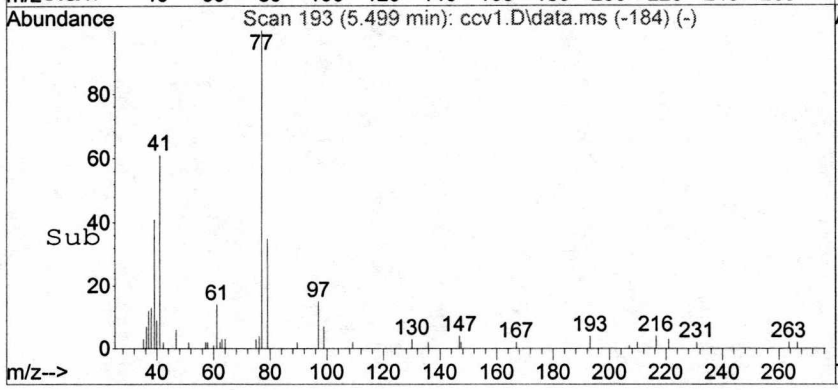


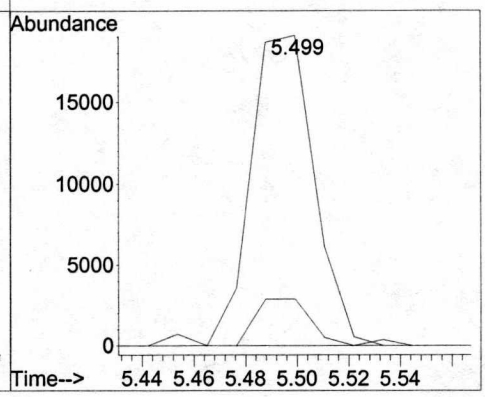


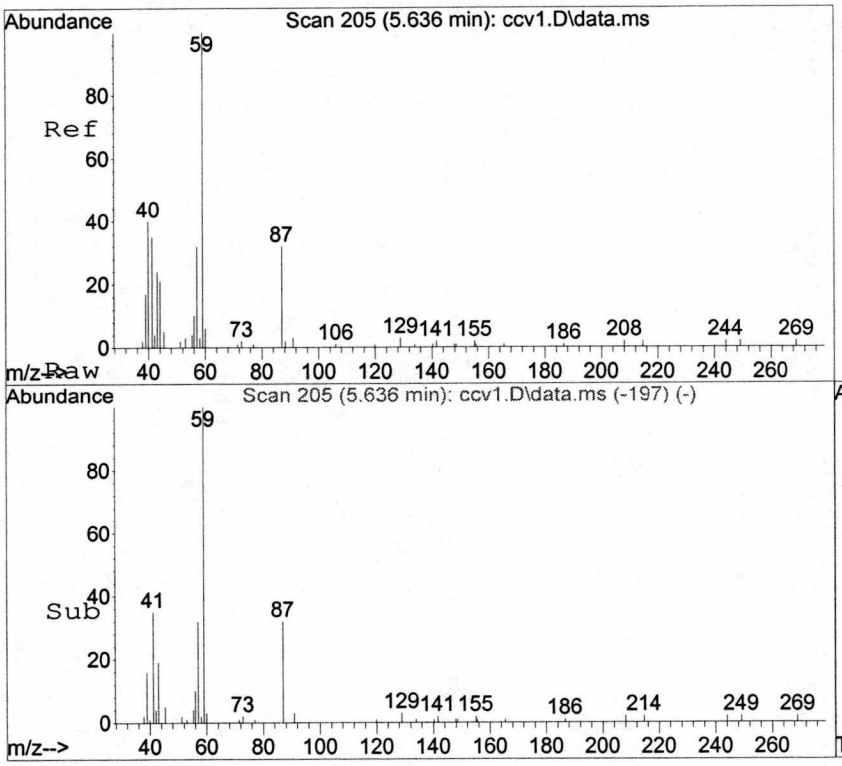
#33
2,2 Dichloropropane
Concen: 48.62 ppbv
RT: 5.499 min Scan# 193
Delta R.T. 0.000 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 77 Resp: 32760

Ion	Ratio	Lower	Upper
77	100		
97	13.1	20.6	30.8#



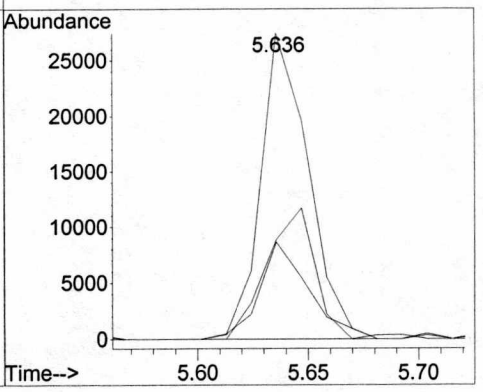


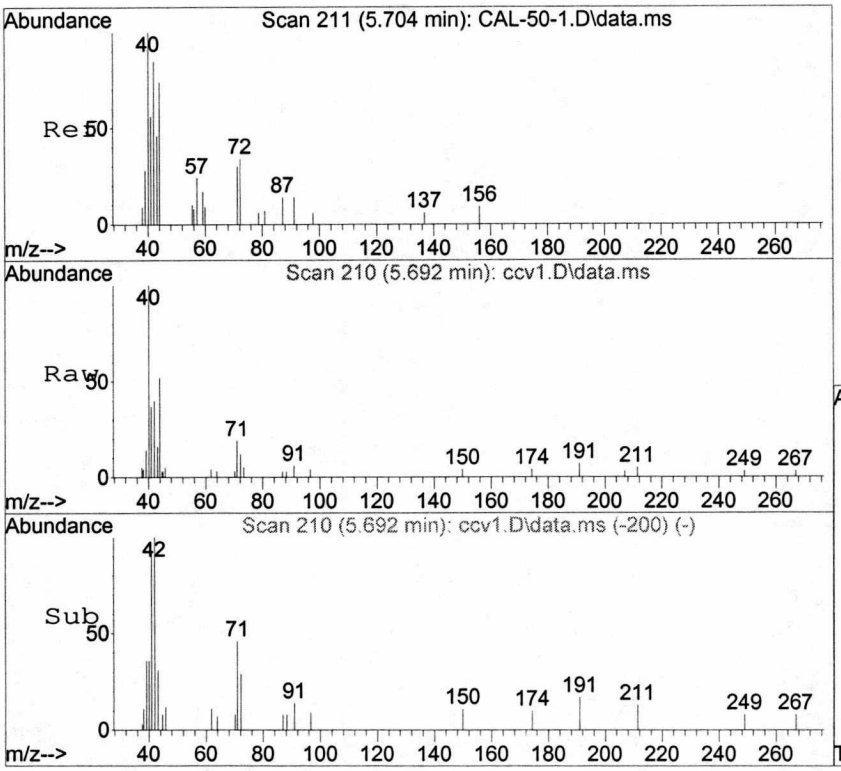


#34
Ethyl tert-Butyl Ether
Concen: 38.44 ppbv
RT: 5.636 min Scan# 205
Delta R.T. -0.011 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 59 Resp: 40954

Ion	Ratio	Lower	Upper
59	100		
57	32.7	19.9	29.9#
87	43.2	29.4	44.0

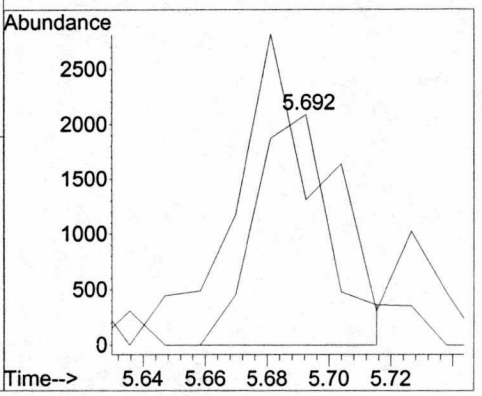


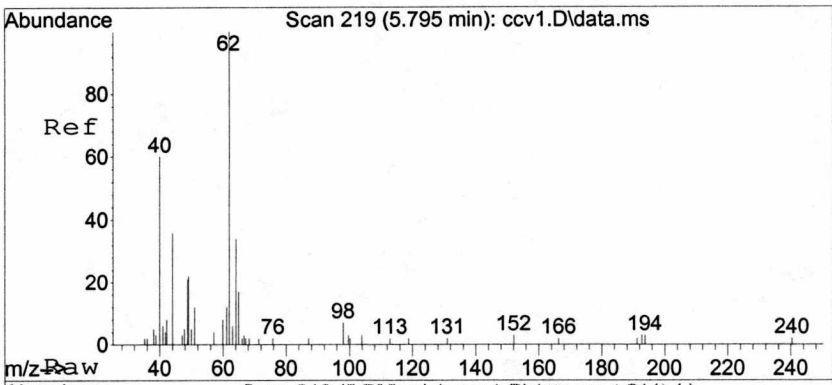


#35
Tetrahydrofuran
Concen: 36.62 ppbv
RT: 5.692 min Scan# 210
Delta R.T. 0.001 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 71 Resp: 3583

Ion	Ratio	Lower	Upper
71	100		
72	155.8	67.5	101.3#

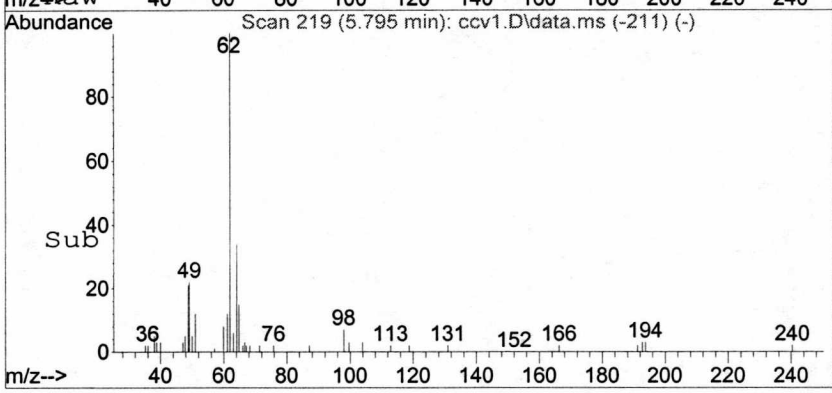


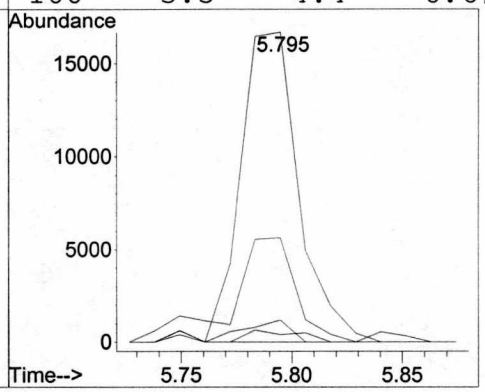


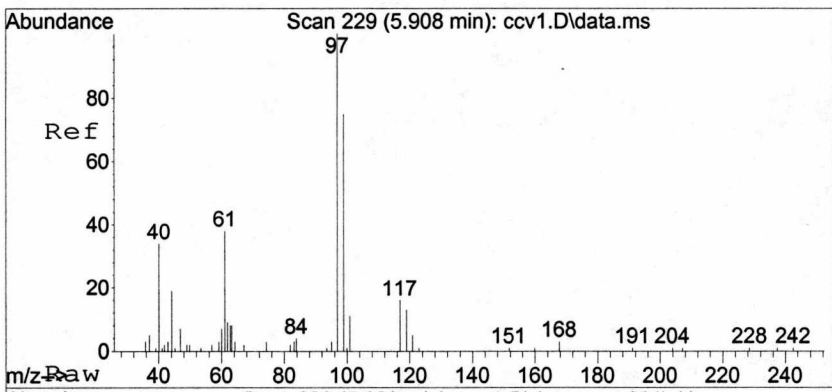
#37
1,2-Dichloroethane
Concen: 55.78 ppbv
RT: 5.795 min Scan# 219
Delta R.T. -0.011 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 62 Resp: 30503

Ion	Ratio	Lower	Upper
62	100		
64	28.7	25.6	38.4
98	5.7	3.0	4.4#
100	3.5	4.4	6.6#



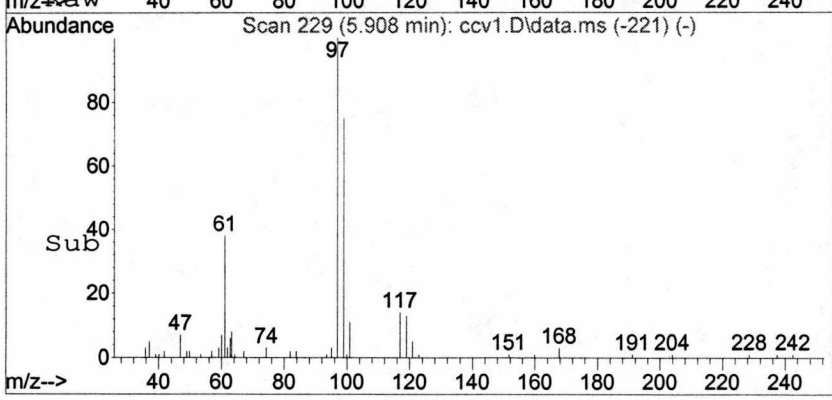


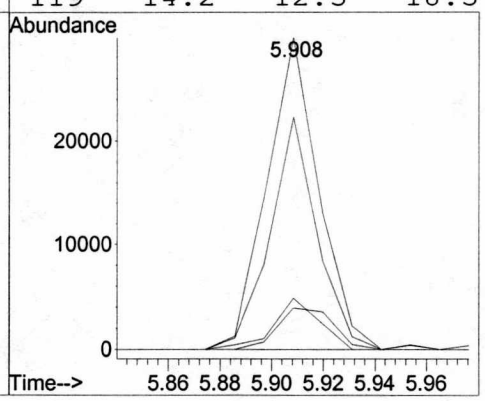


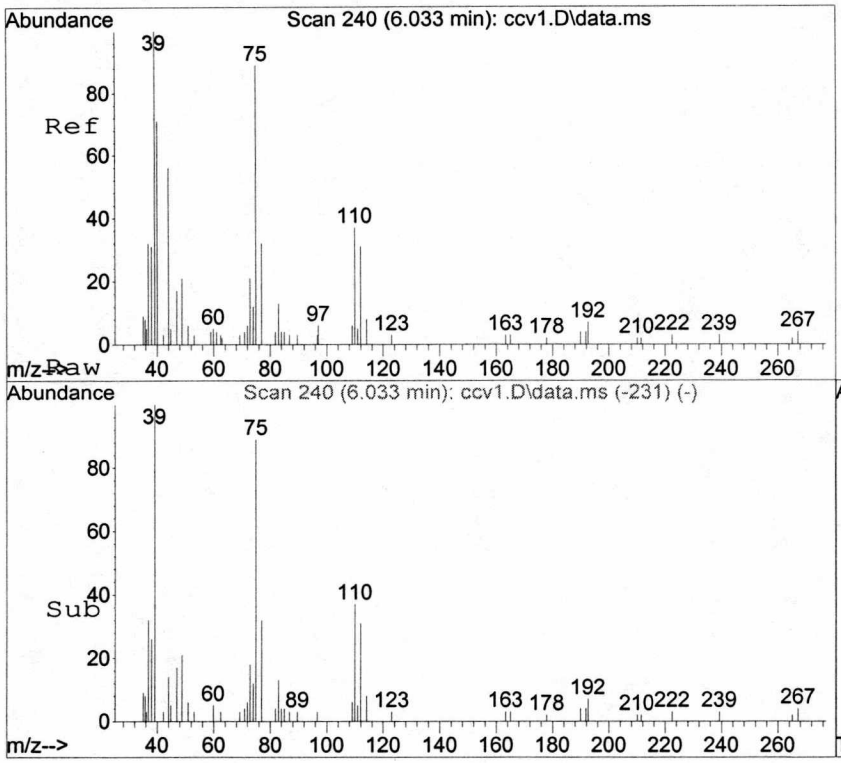
#38
1,1,1-Trichloroethane
Concen: 50.62 ppbv
RT: 5.908 min Scan# 229
Delta R.T. -0.011 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 97 Resp: 41482

Ion	Ratio	Lower	Upper
97	100		
99	67.4	57.8	86.8
117	14.3	6.7	10.1#
119	14.2	12.3	18.5



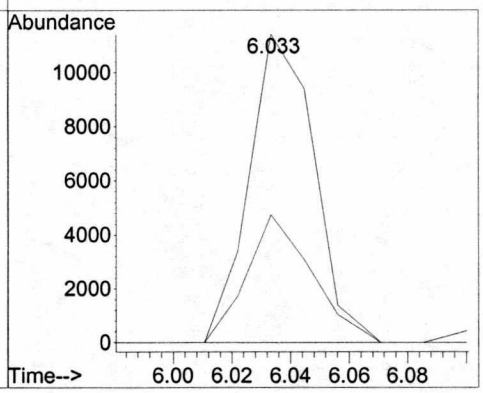


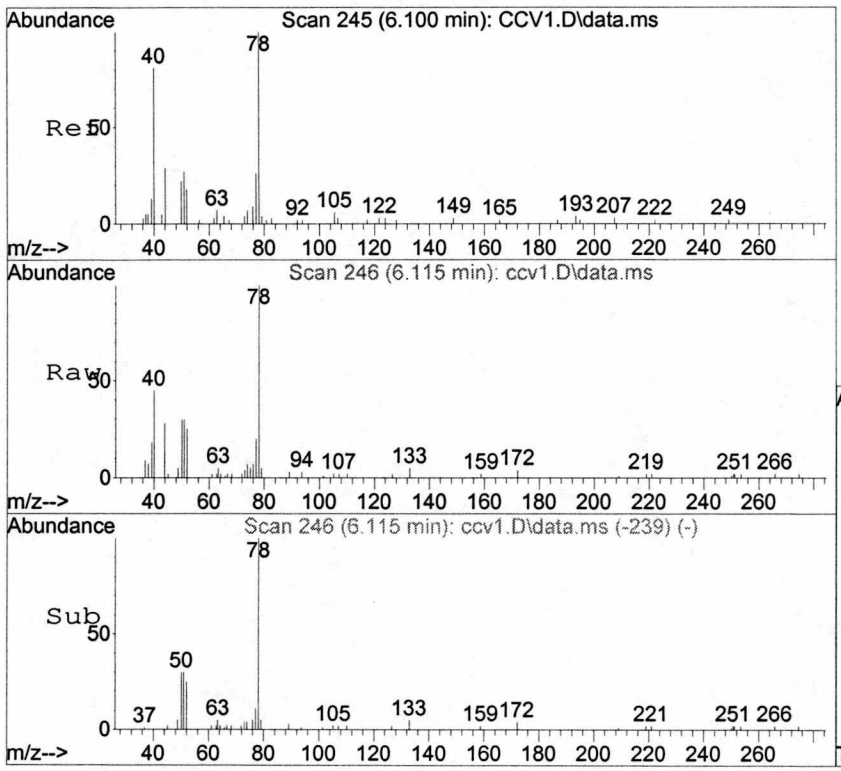


#39
1,1-Dichloropropene
Concen: 38.34 ppbv
RT: 6.033 min Scan# 240
Delta R.T. -0.012 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 75 Resp: 18521

Ion	Ratio	Lower	Upper
75	100		
110	41.4	23.5	35.3#

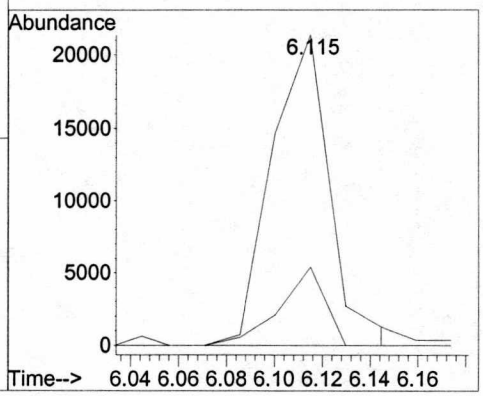


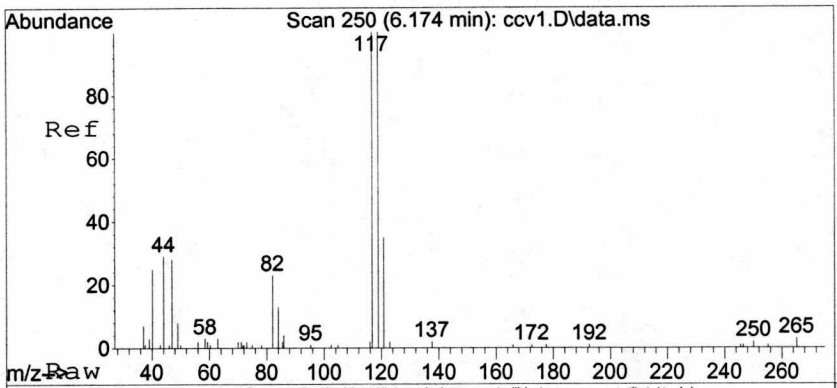


#40
Benzene
Concen: 52.49 ppbv
RT: 6.115 min Scan# 246
Delta R.T. -0.002 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 78 Resp: 36017

Ion	Ratio	Lower	Upper
78	100		
52	19.7	16.1	24.1

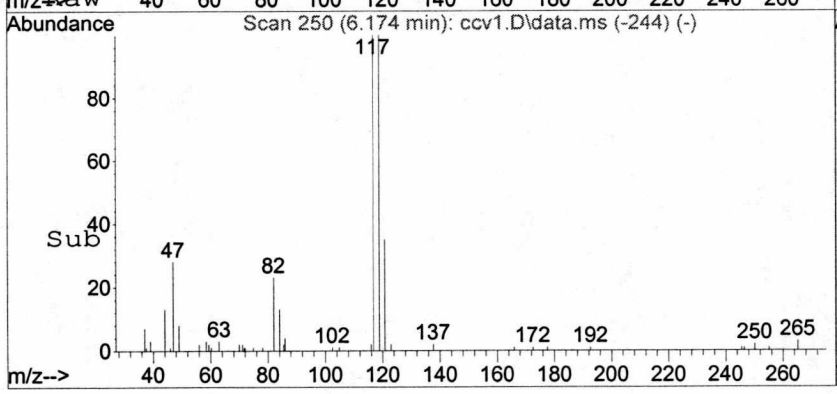


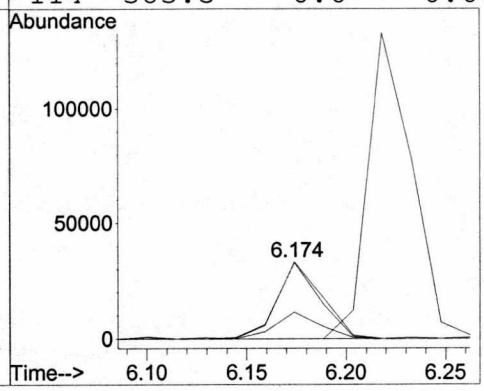


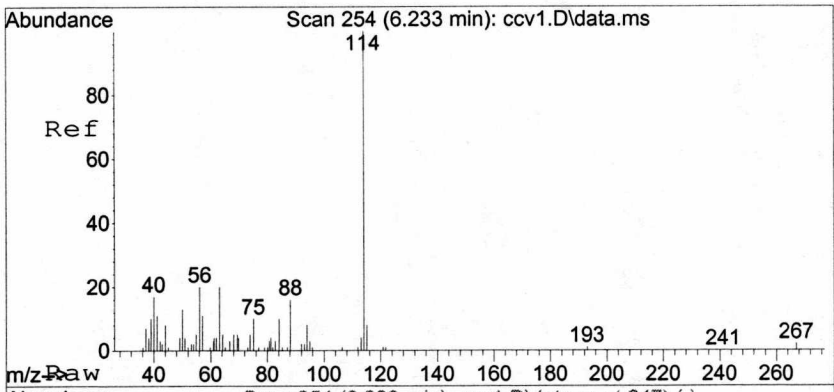
#41
Carbon Tetrachloride
Concen: 56.70 ppbv
RT: 6.174 min Scan# 250
Delta R.T. -0.015 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion:117 Resp: 51527

Ion	Ratio	Lower	Upper
117	100		
119	94.9	73.4	110.0
121	34.8	21.9	32.9#
114	383.5	0.0	0.0#



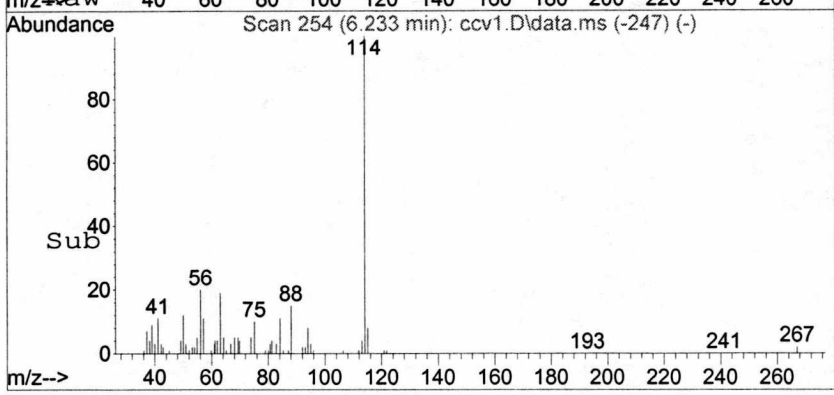


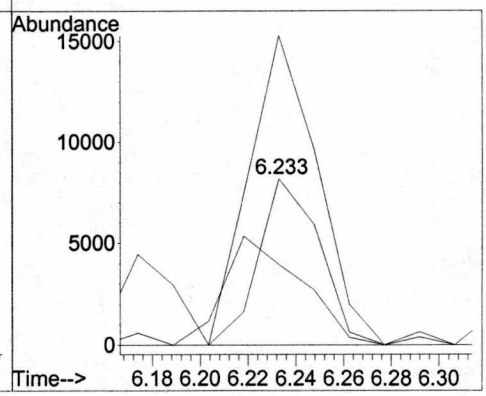


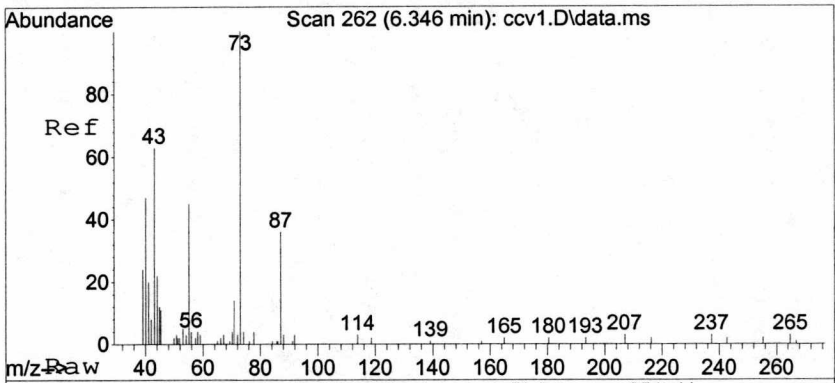
#43
Cyclohexane
Concen: 46.79 ppbv
RT: 6.233 min Scan# 254
Delta R.T. 0.000 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 84 Resp: 14417

Ion	Ratio	Lower	Upper
84	100		
56	210.2	112.8	169.2#
69	82.8	55.4	83.2



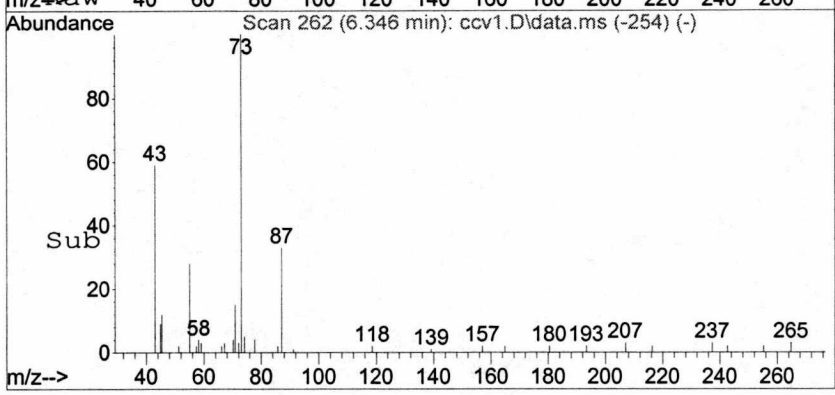


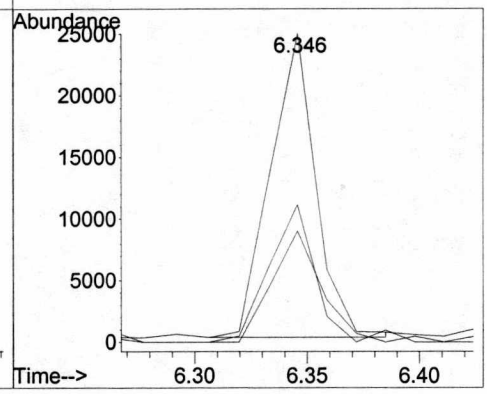


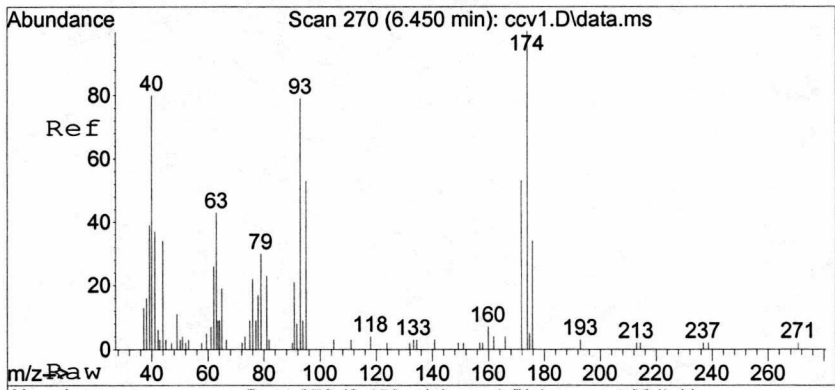
#44
tert-Amyl Methyl Ether
Concen: 43.33 ppbv
RT: 6.346 min Scan# 262
Delta R.T. 0.006 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 73 Resp: 34673

Ion	Ratio	Lower	Upper
73	100		
55	44.6	21.0	31.6#
87	39.6	23.6	35.4#



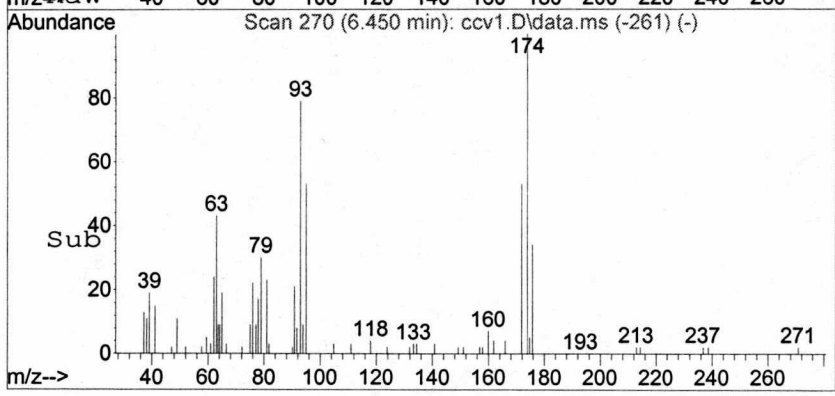


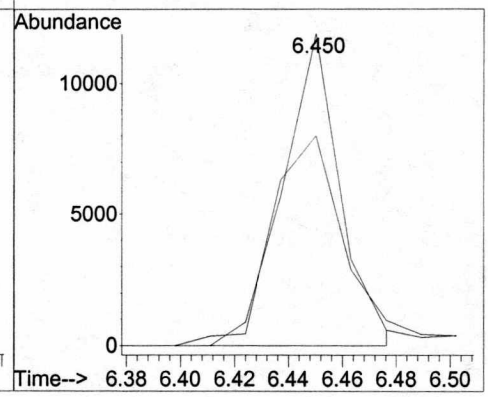


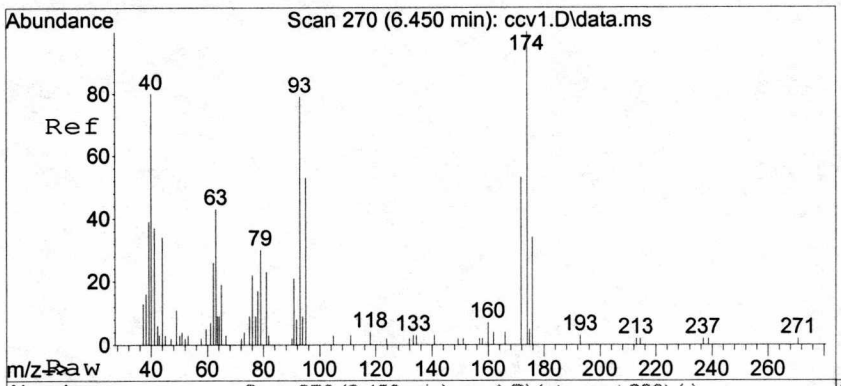
#45
Dibromomethane
Concen: 54.41 ppbv
RT: 6.450 min Scan# 270
Delta R.T. 0.020 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 93 Resp: 17493

Ion	Ratio	Lower	Upper
93	100		
95	75.2	106.1	159.1#



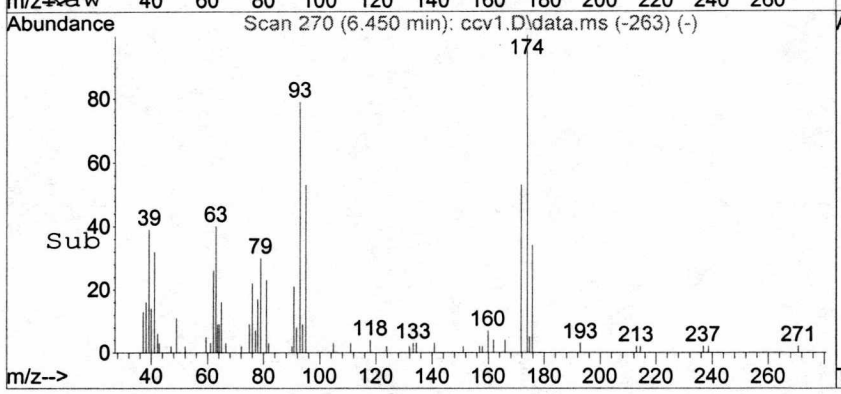


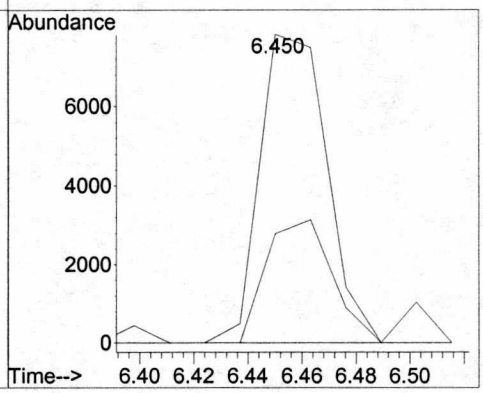


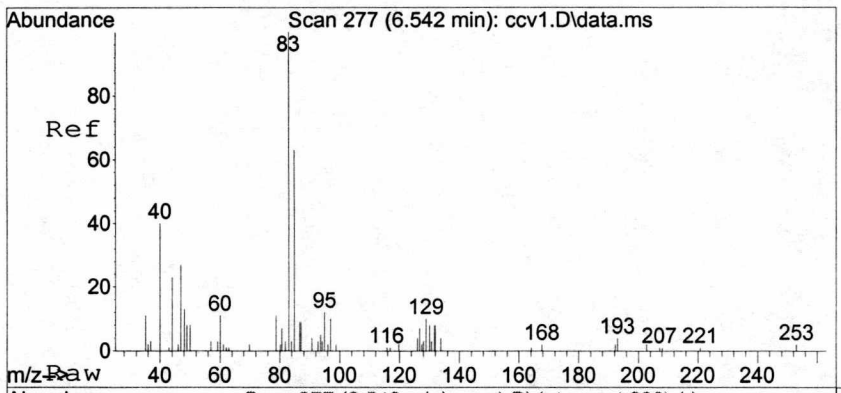
#46
1,2-Dichloropropane
Concen: 49.63 ppbv
RT: 6.450 min Scan# 270
Delta R.T. -0.011 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 63 Resp: 13496

Ion	Ratio	Lower	Upper
63	100		
65	39.6	18.8	28.2#



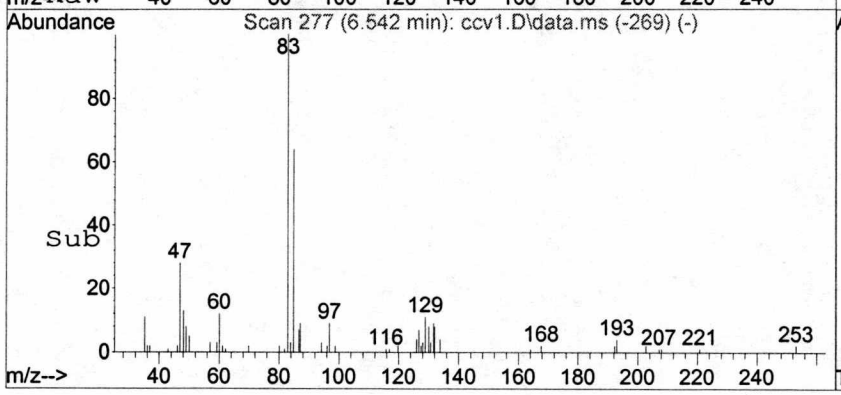


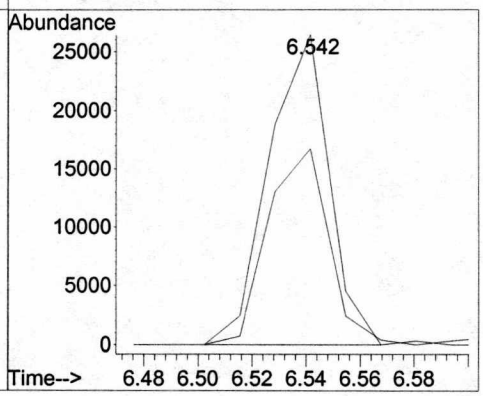


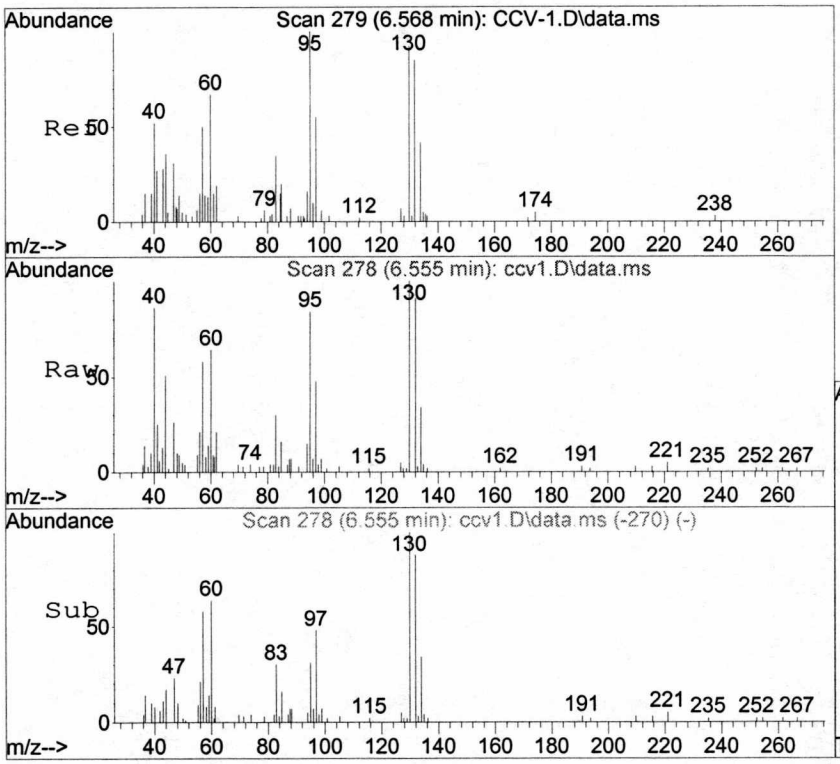
#47
Bromodichloromethane
Concen: 56.01 ppbv
RT: 6.542 min Scan# 277
Delta R.T. 0.002 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 83 Resp: 40878

Ion	Ratio	Lower	Upper
83	100		
85	63.9	44.0	66.0



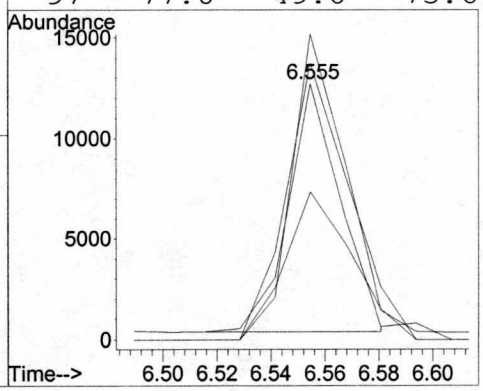


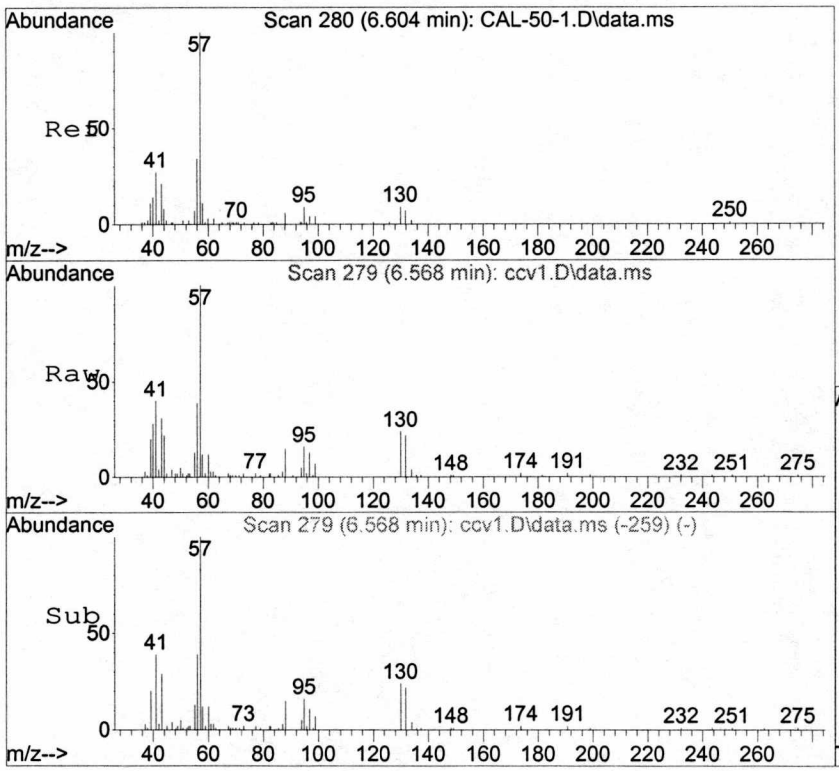


#48
Trichloroethene
Concen: 44.51 ppbv
RT: 6.555 min Scan# 278
Delta R.T. 0.002 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 95 Resp: 16419

Ion	Ratio	Lower	Upper
95	100		
130	134.4	84.2	126.2#
132	137.0	59.5	89.3#
97	77.0	49.0	73.6#

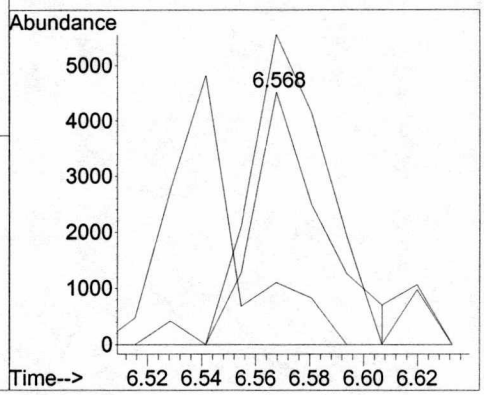


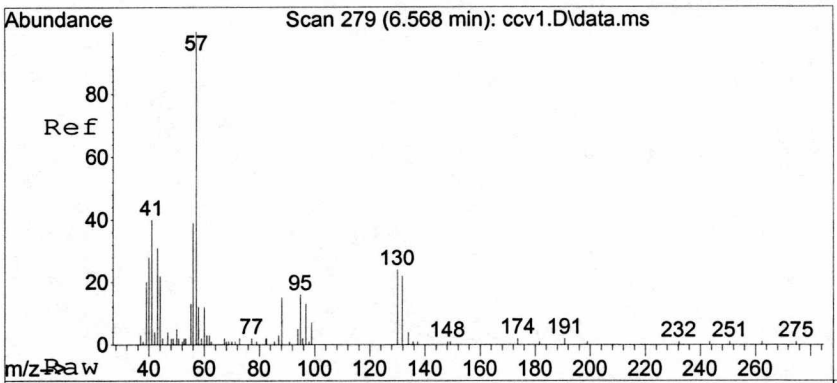


#49
1,4-Dioxane
Concen: 47.83 ppbv
RT: 6.568 min Scan# 279
Delta R.T. 0.015 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 58 Resp: 8020

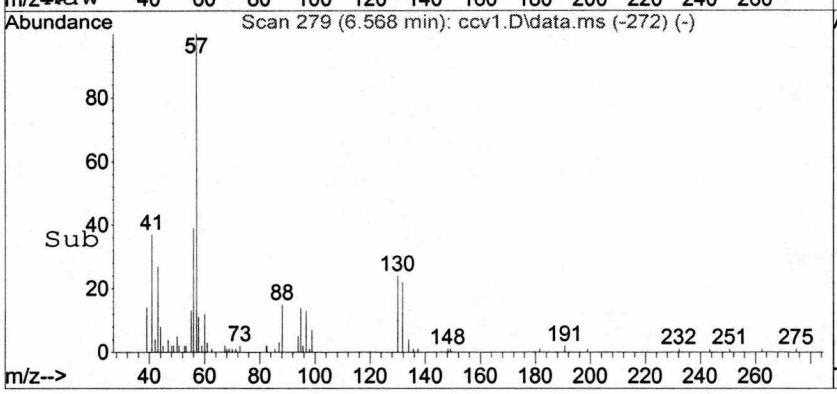
Ion	Ratio	Lower	Upper
58	100		
88	134.0	79.1	118.7#
87	18.9	13.0	19.6

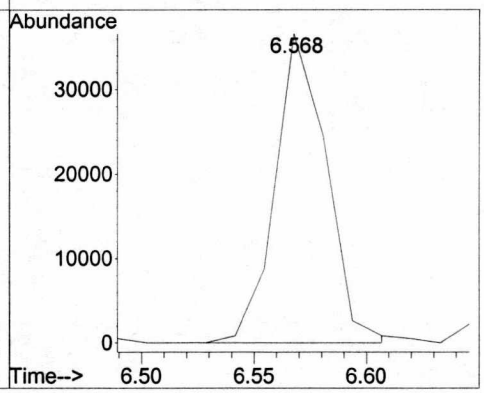


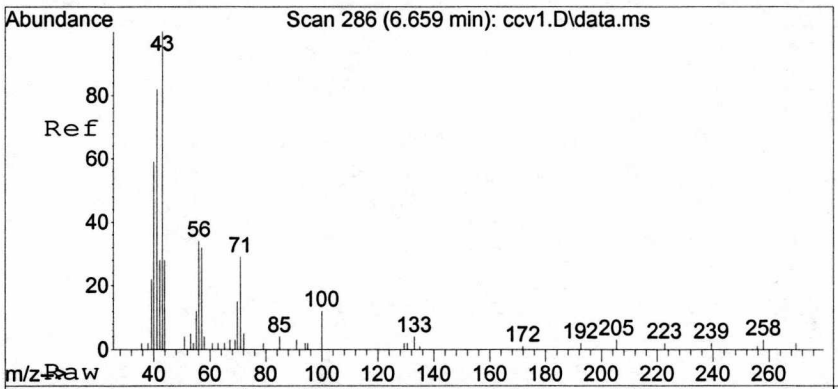


#50
2,2,4-Trimethylpentane
Concen: 42.92 ppbv
RT: 6.568 min Scan# 279
Delta R.T. -0.011 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 57 Resp: 58161



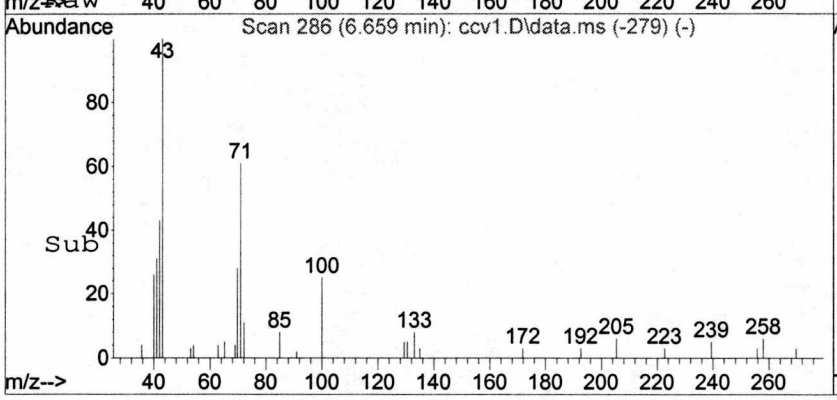


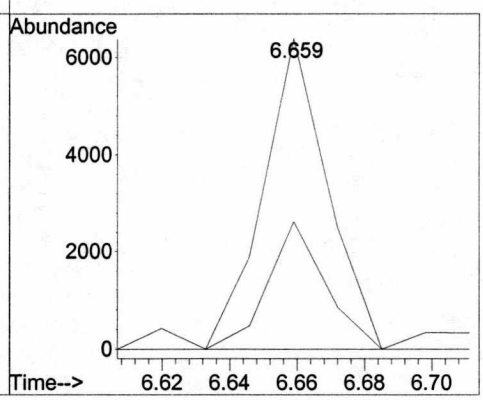


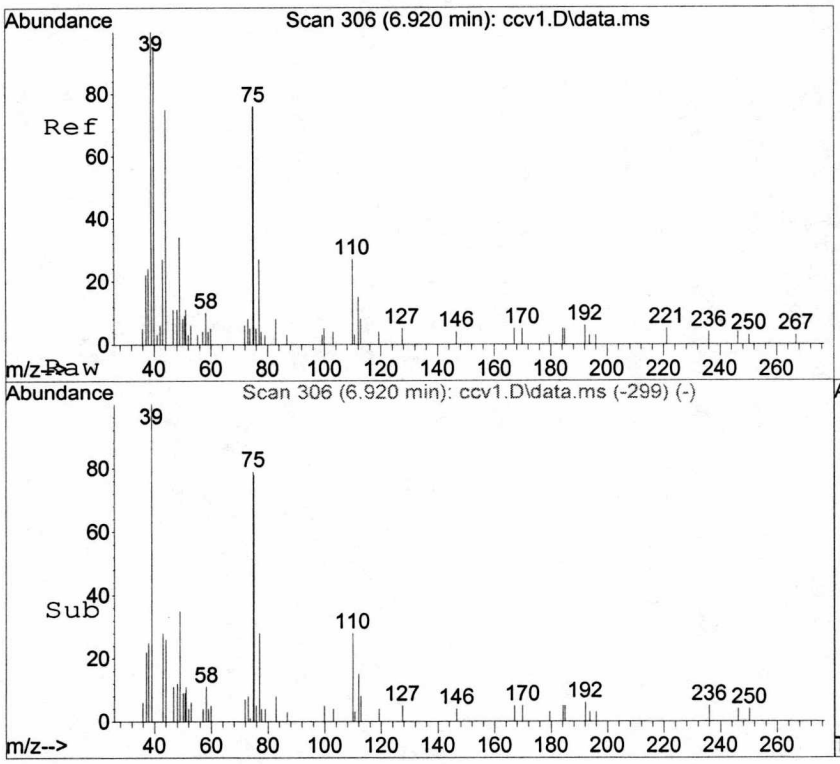
#51
n-Heptane
Concen: 37.98 ppbv
RT: 6.659 min Scan# 286
Delta R.T. -0.010 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 71 Resp: 8438

Ion	Ratio	Lower	Upper
71	100		
100	36.5	9.8	14.8#



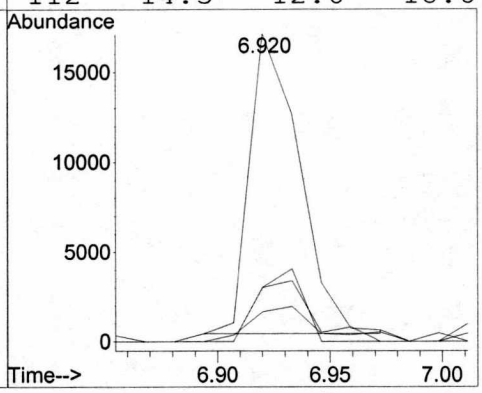


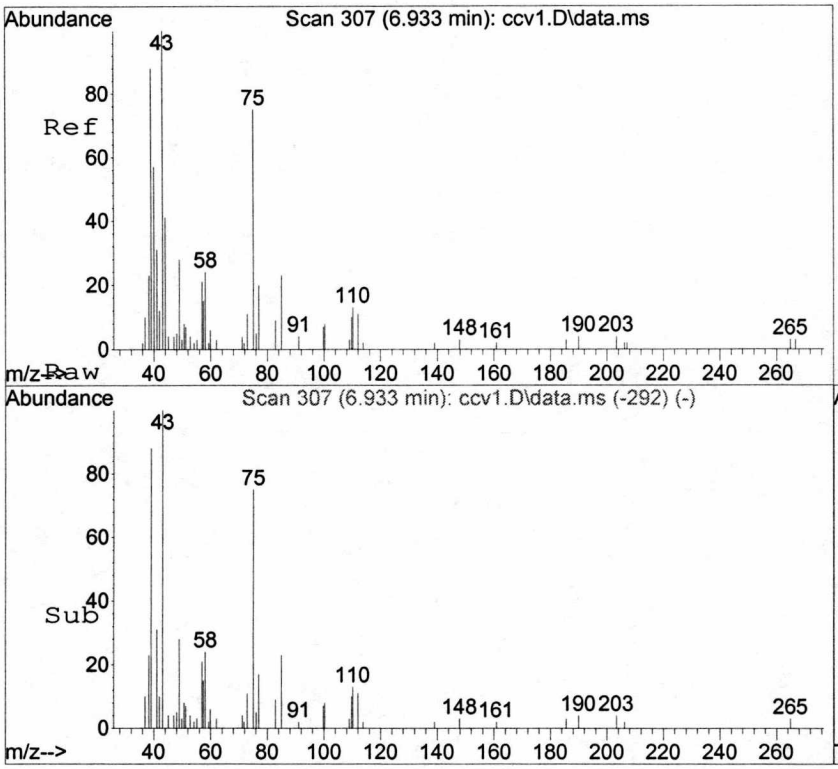


#52
cis-1,3-Dichloropropene
Concen: 53.89 ppbv
RT: 6.920 min Scan# 306
Delta R.T. -0.010 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

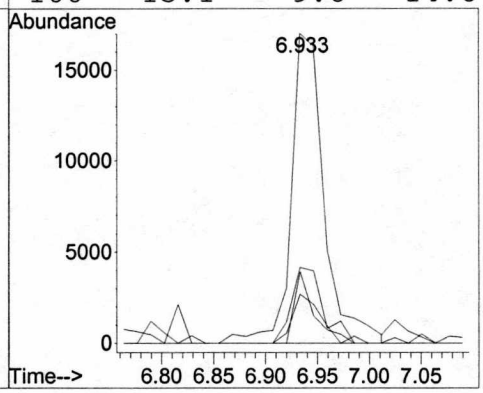
Tgt Ion: 75 Resp: 25739

Ion	Ratio	Lower	Upper
75	100		
110	21.6	17.1	25.7
77	23.6	25.0	37.4#
112	14.5	12.0	18.0





#53
4-Methyl-2-Pentanone
Concen: 42.30 ppbv
RT: 6.933 min Scan# 307
Delta R.T. -0.010 min
Lab File: ccv1.D
Acq: 25 Mar 2015 17:15

Tgt Ion: 43 Resp: 37563

Ion	Ratio	Lower	Upper
43	100		
58	23.5	26.1	39.1#
85	13.8	7.8	11.8#
100	13.1	9.8	14.8