Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
Data File : VL025764.D
Acq On : 27 Jul 2015 22:18
Operator : SY/MD
Sample : G3100-01DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-1DL

Quant Time: Jul 28 01:03:47 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 02:22:55 2015
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.65	49	759983	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.32	114	2074620	10.00	ppbv		-0.01
55) Chlorobenzene-d5	13.74	117	2515789	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.28	95	2189120	10.32	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.64	85	10862	0.06	ppbv		98
3) Chlorodifluoromethane	3.54	51	98542	0.92	ppbv	#	61
4) Chloromethane	3.76	50	4206	0.09	ppbv		89
8) Dichlorotetrafluoroethane	3.64	85	10862	0.06	ppbv	#	17
9) Propene	3.60	41	3966	0.11	ppbv	#	77
10) Heptane	9.35	43	15252	0.11	ppbv	#	74
13) Ethanol	4.32	45	174232	31.49	ppbv		99
15) Acetone	4.60	43	307824	2.29	ppbv		91
16) 1,3-Butadiene	4.00	39	14603	0.27	ppbv	#	15
19) Isopropyl Alcohol	4.76	45	161252	3.01	ppbv	#	98
20) Methylene Chloride	5.15	84	11343	0.21	ppbv	#	81
23) Vinyl Acetate	5.99	43	12051	0.06	ppbv	#	88
25) Ethyl Acetate	6.67	43	26274	0.13	ppbv	#	59
29) Chloroform	6.74	83	113963	0.60	ppbv		97
30) Cyclohexane	8.29	84	8615	0.09	ppbv	#	33
31) cis-1,2-Dichloroethene	6.68	61	2984	0.03	ppbv	#	27
34) 2-Butanone	6.21	43	43746	0.37	ppbv		96
37) 1,2-Dichloroethane	7.37	62	6138	0.04	ppbv	#	85
52) Tetrachloroethene	12.79	164	12528	0.13	ppbv		93
53) Toluene	11.23	91	838125	3.00	ppbv		100
59) m/p-Xylene	14.69	91	33510	0.09	ppbv		97
60) o-Xylene	15.49	91	18819	0.05	ppbv		99
61) Styrene	15.32	104	8278	0.06	ppbv	#	87
69) p-Isopropyltoluene	19.78	119	82885	0.14	ppbv	#	90
73) 1,3,5-Trimethylbenzene	17.98	105	14409	0.03	ppbv		87
74) 1,2,4-Trimethylbenzene	18.83	105	40046	0.08	ppbv	#	71
75) 1,3-Dichlorobenzene	19.27	146	25698	0.08	ppbv		92
76) 1,4-Dichlorobenzene	19.27	146	25698	0.08	ppbv		91

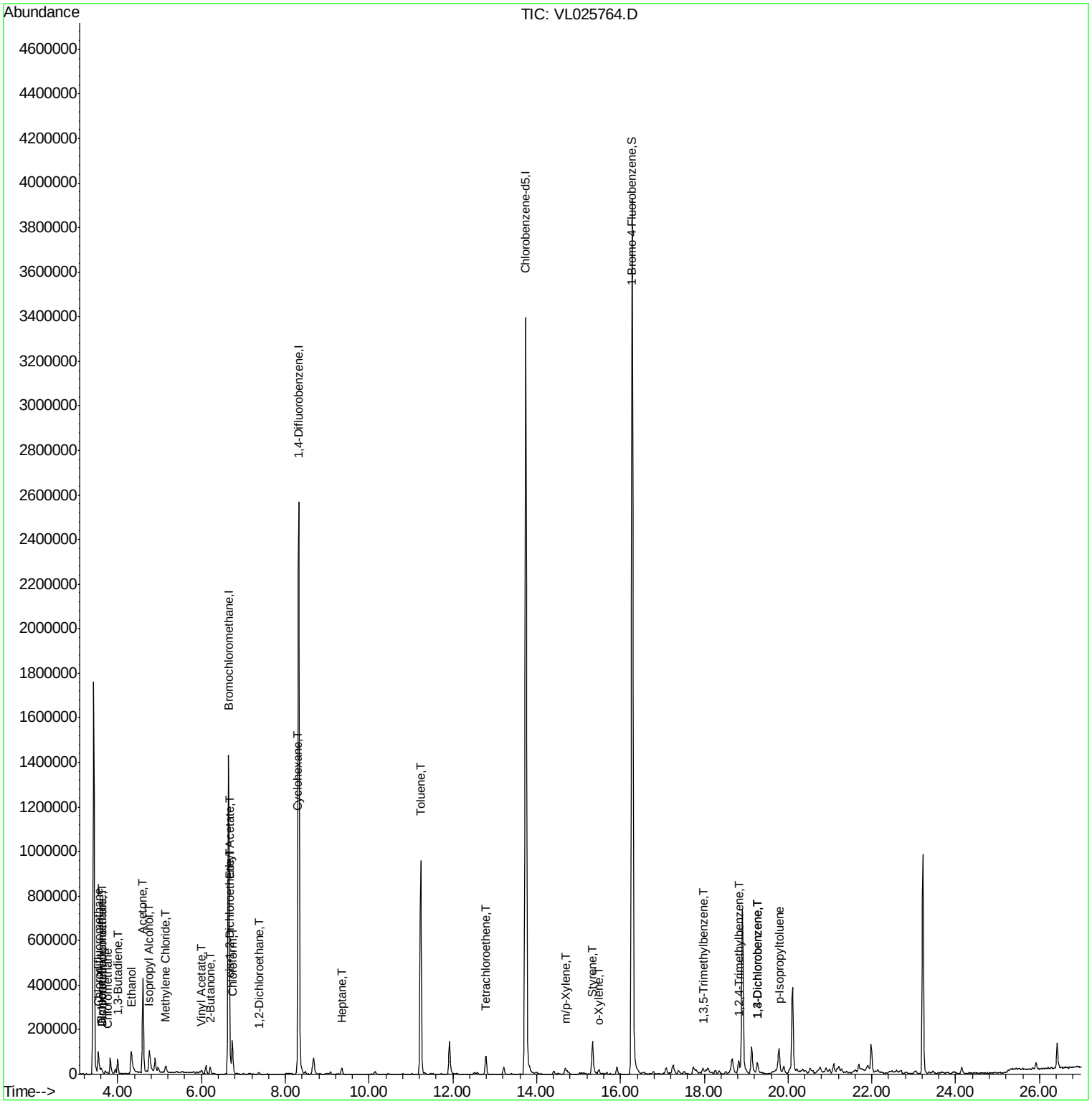
(#) = qualifier out of range (m) = manual integration (+) = signals summed

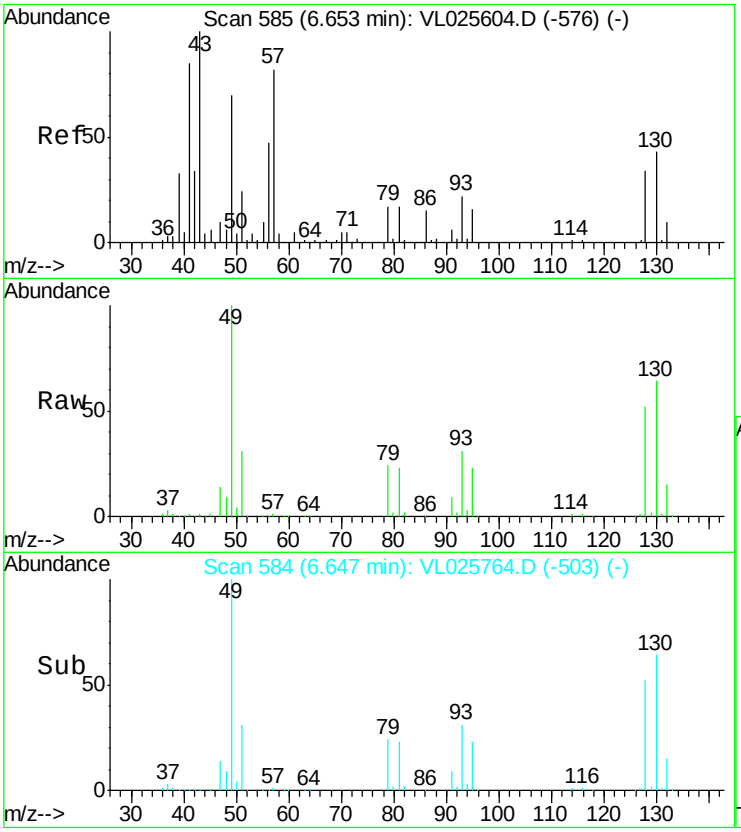
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
Data File : VL025764.D
Acq On : 27 Jul 2015 22:18
Operator : SY/MD
Sample : G3100-01DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-1DL

Quant Time: Jul 28 01:03:47 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 02:22:55 2015
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration



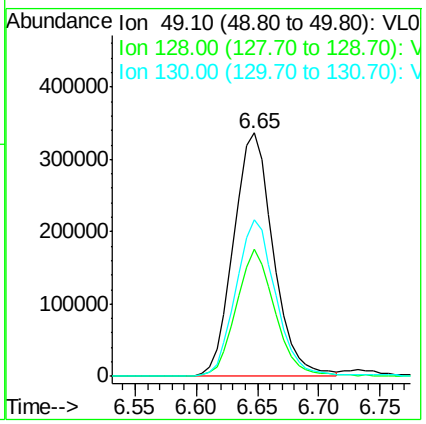


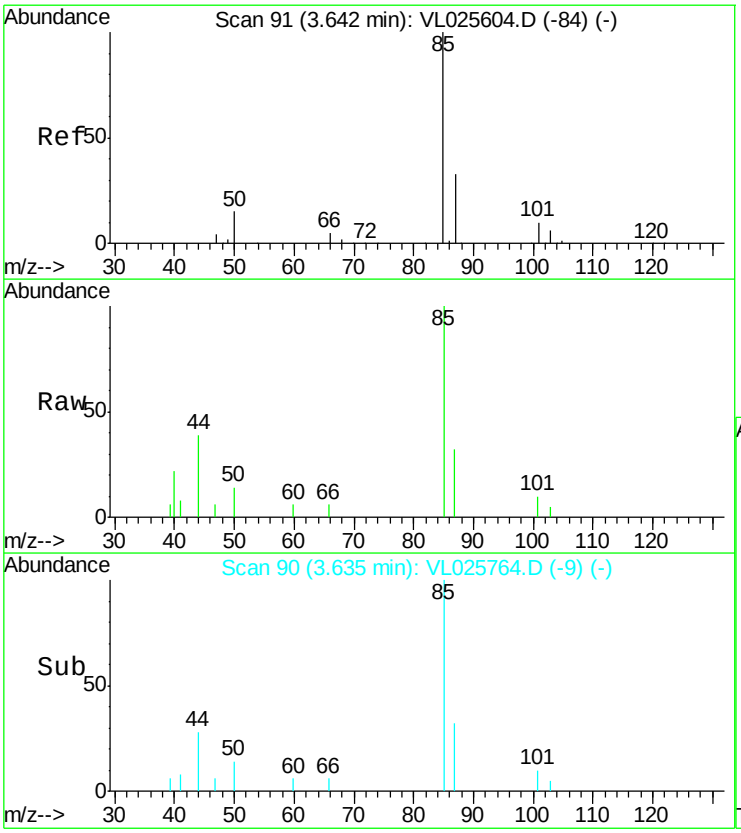
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.65 min Scan# 584
Delta R.T. -0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 49 Resp: 759983

Ion	Ratio	Lower	Upper
49	100		
128	51.5	25.4	76.0
130	65.5	31.9	95.9

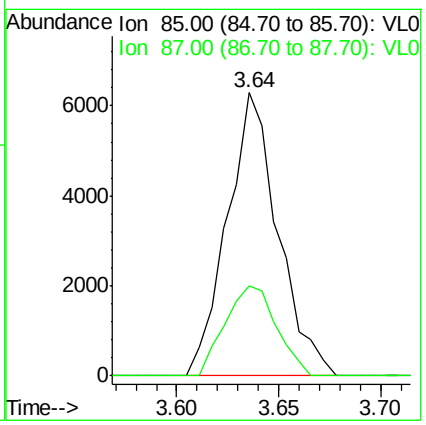


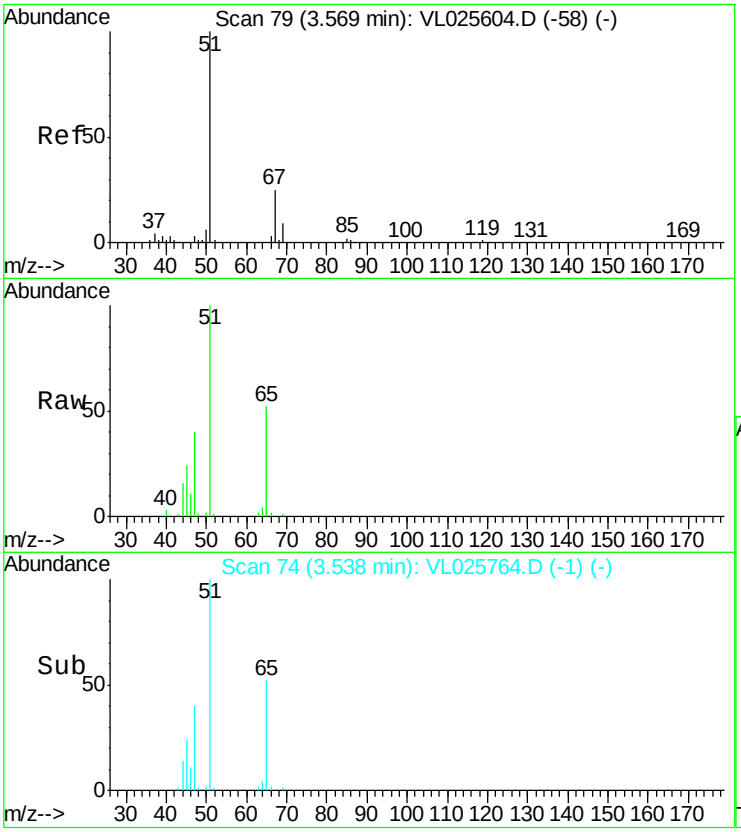


#2
Dichlorodifluoromethane
Concen: 0.06 ppbv
RT: 3.64 min Scan# 90
Delta R.T. -0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Tgt Ion: 85 Resp: 10862

Ion	Ratio	Lower	Upper
85	100		
87	31.8	26.5	39.7



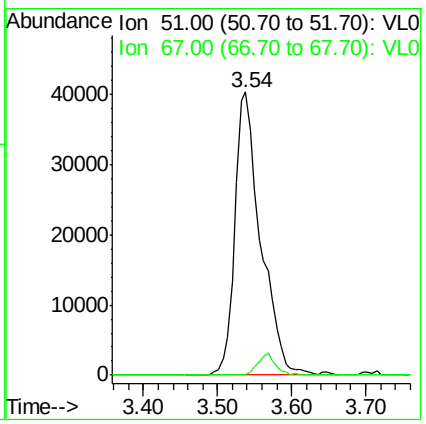


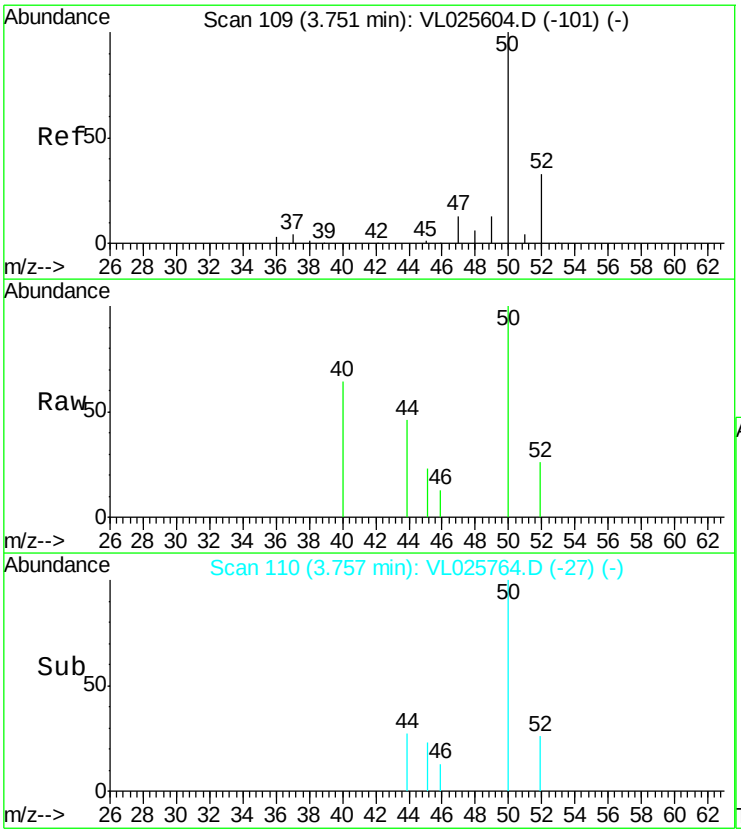
#3
Chlorodifluoromethane
Concen: 0.92 ppbv
RT: 3.54 min Scan# 74
Delta R.T. -0.03 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Instrument : MSVOA_L
ClientSampleId : IA-1DL

Tgt Ion: 51 Resp: 98542

Ion	Ratio	Lower	Upper
51	100		
67	5.2	19.5	29.3#

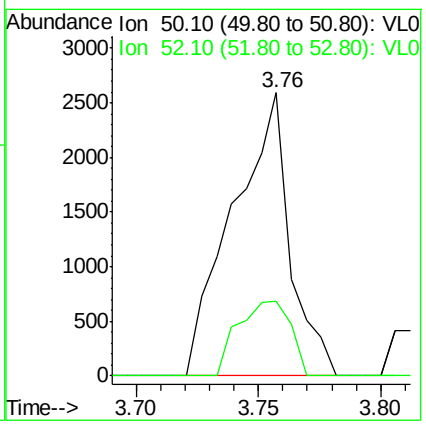


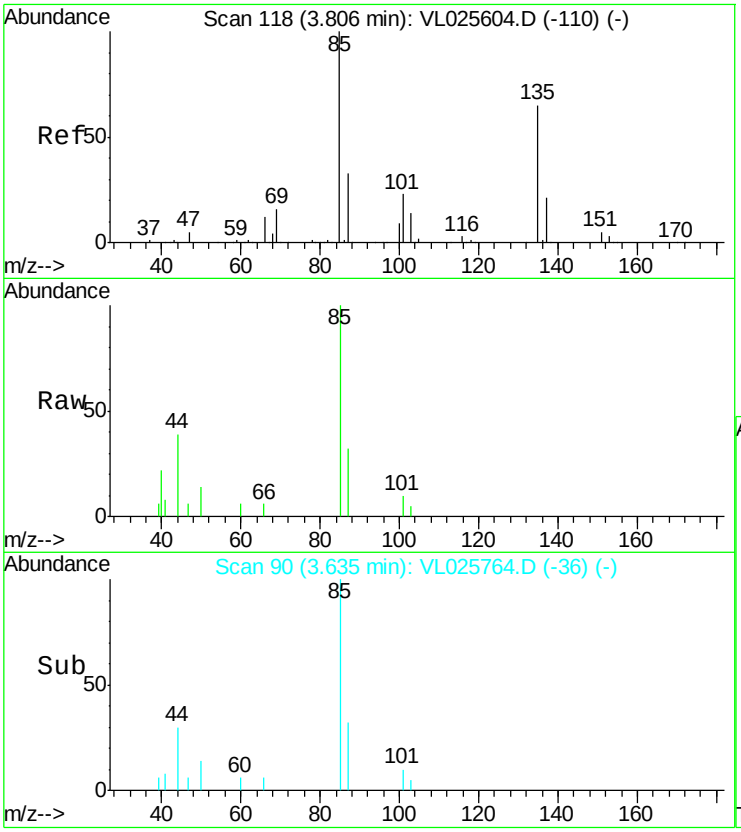


#4
Chloromethane
Concen: 0.09 ppbv
RT: 3.76 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Tgt Ion: 50 Resp: 4206

Ion	Ratio	Lower	Upper
50	100		
52	26.3	26.2	39.2



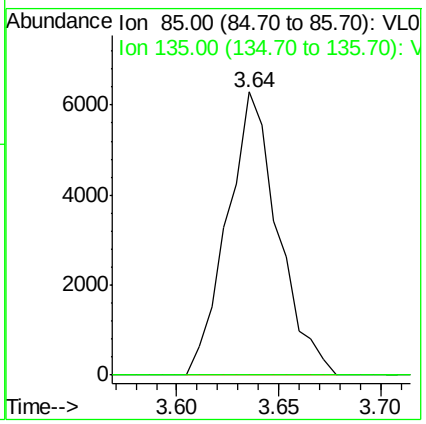


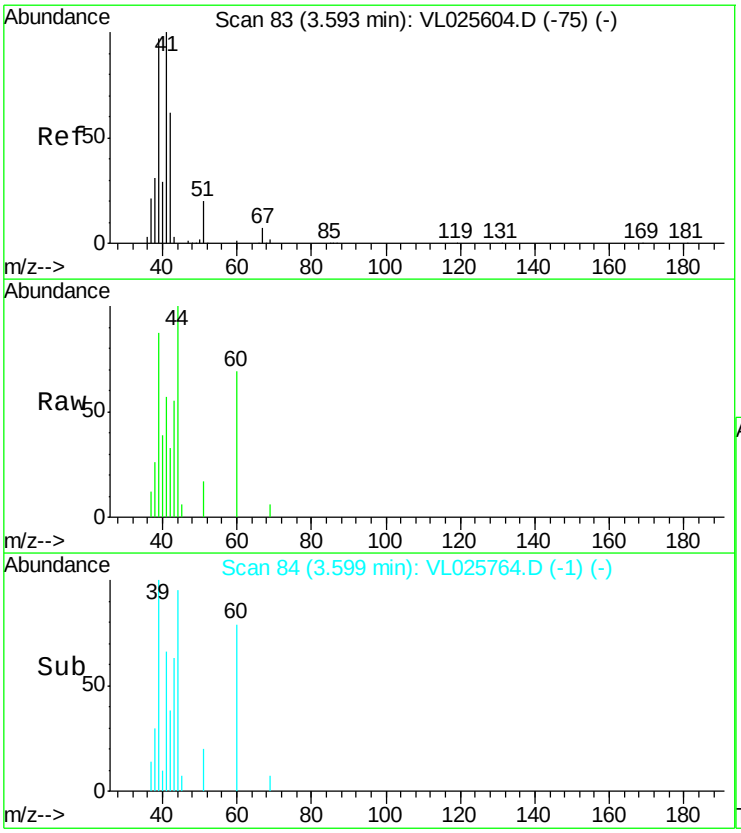
#8
Dichlorotetrafluoroethane
Concen: 0.06 ppbv
RT: 3.64 min Scan# 90
Delta R.T. -0.17 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 85 Resp: 10862

Ion	Ratio	Lower	Upper
85	100		
135	0.0	52.2	78.4#

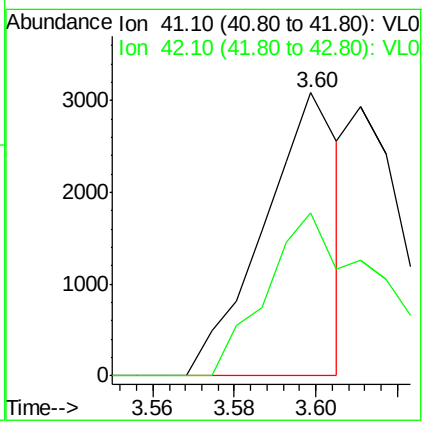


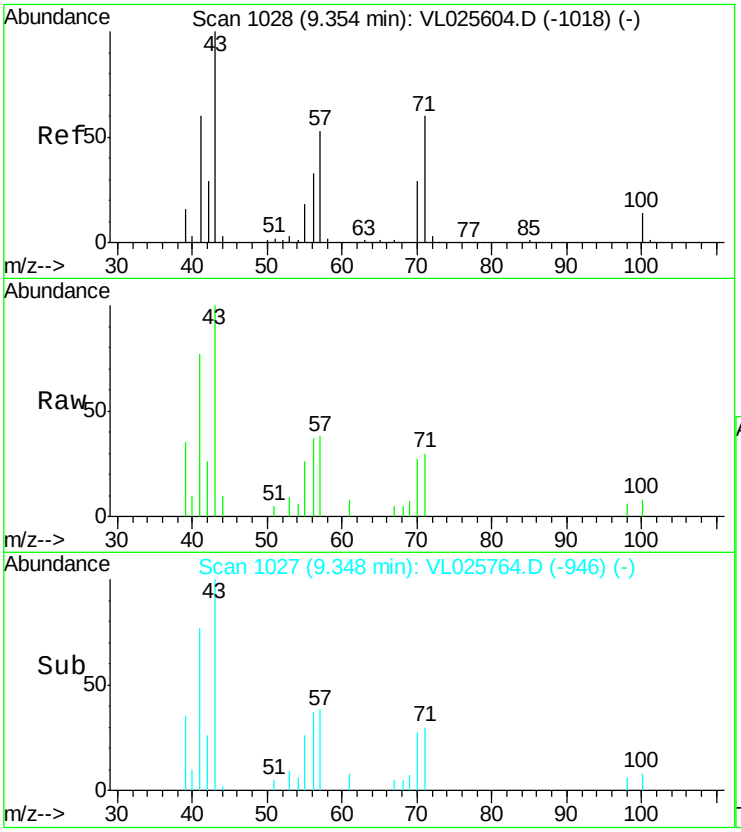


#9
Propene
Concen: 0.11 ppbv
RT: 3.60 min Scan# 84
Delta R.T. 0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Tgt Ion: 41 Resp: 3966

Ion	Ratio	Lower	Upper
41	100		
42	83.9	52.4	78.6#



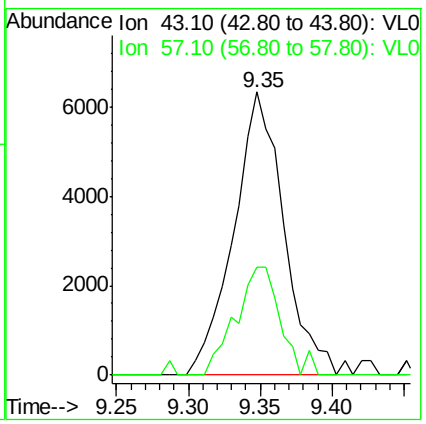


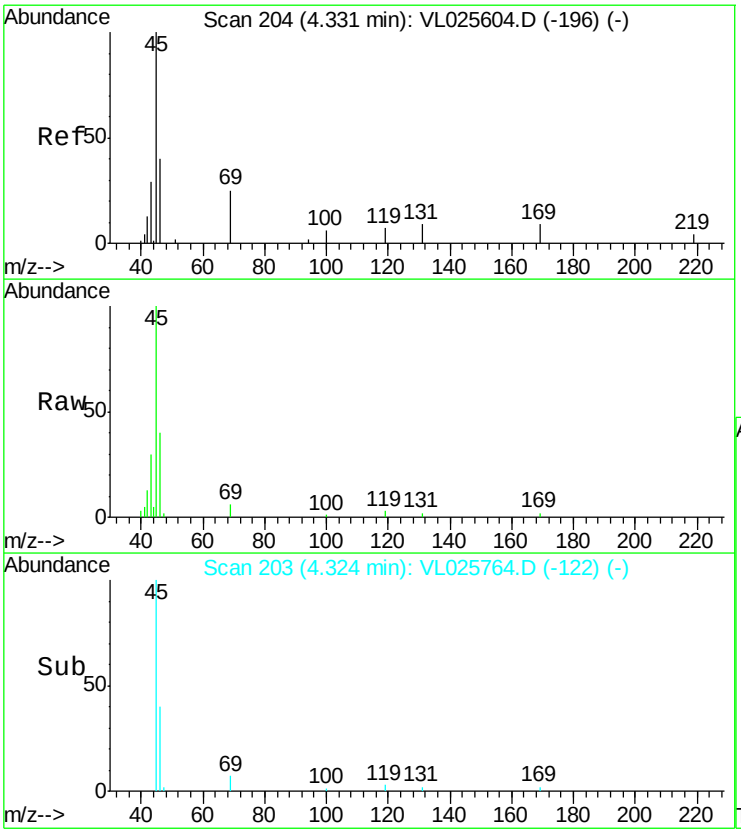
#10
Heptane
Concen: 0.11 ppbv
RT: 9.35 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 43 Resp: 15252

Ion	Ratio	Lower	Upper
43	100		
57	34.9	42.6	64.0#

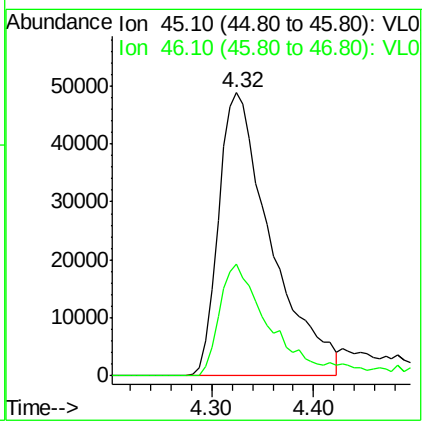


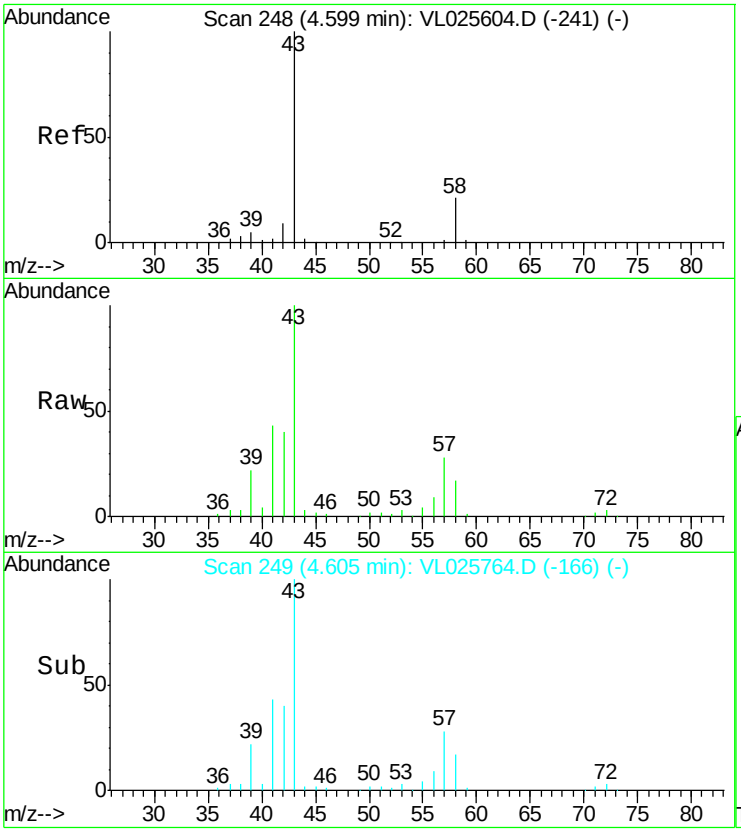


#13
Ethanol
Concen: 31.49 ppbv
RT: 4.32 min Scan# 203
Delta R.T. -0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Tgt Ion: 45 Resp: 174232

Ion	Ratio	Lower	Upper
45	100		
46	39.2	16.0	64.0



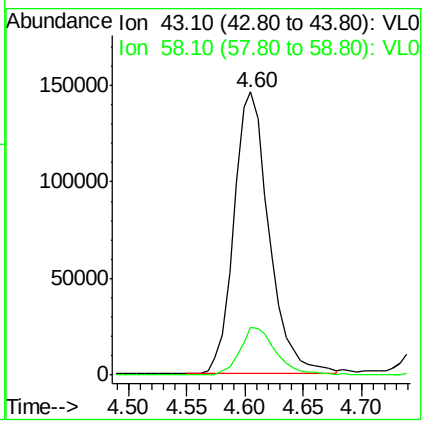


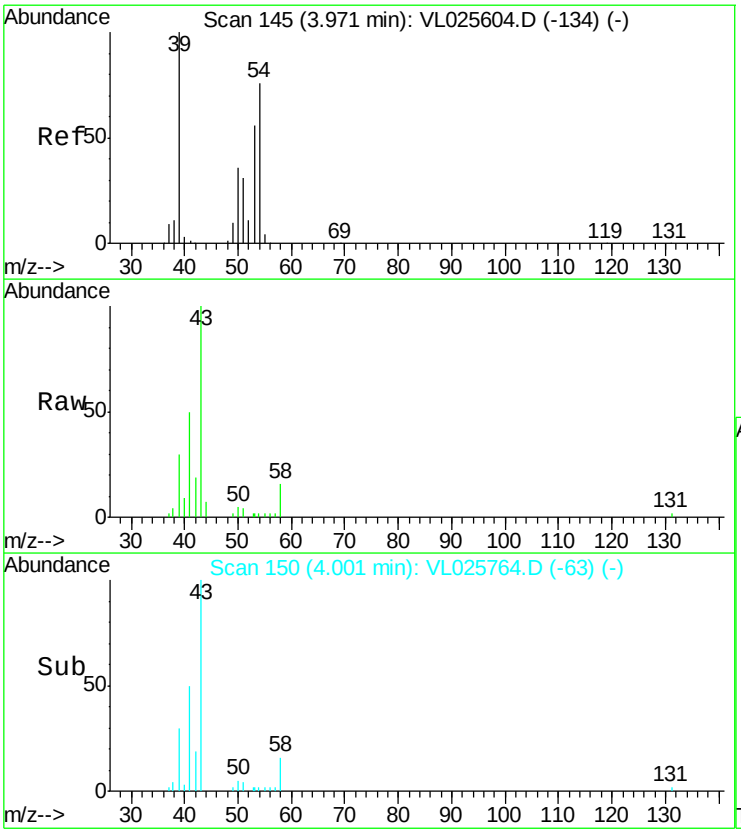
#15
Acetone
Concen: 2.29 ppbv
RT: 4.60 min Scan# 249
Delta R.T. 0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Instrument : MSVOA_L
ClientSampleId : IA-1DL

Tgt Ion: 43 Resp: 307824

Ion	Ratio	Lower	Upper
43	100		
58	17.5	17.2	25.8

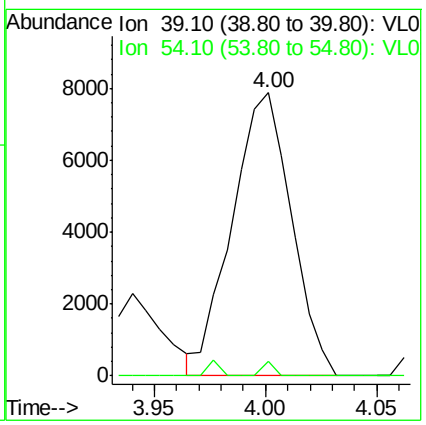


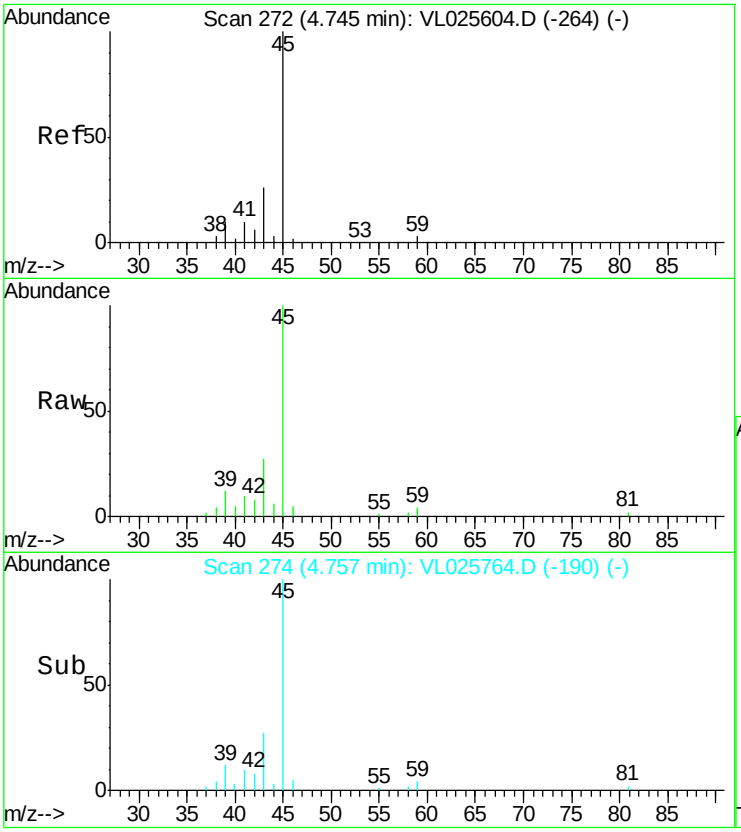


#16
1,3-Butadiene
Concen: 0.27 ppbv
RT: 4.00 min Scan# 150
Delta R.T. 0.03 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Tgt Ion: 39 Resp: 14603

Ion	Ratio	Lower	Upper
39	100		
54	2.1	59.3	88.9#



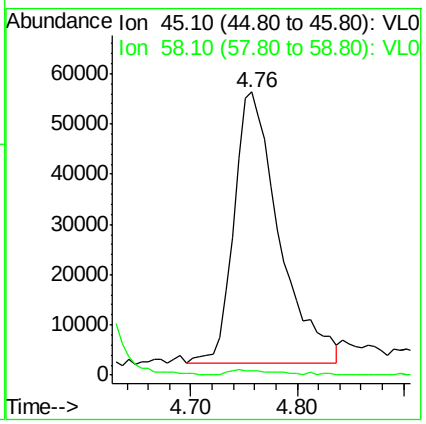


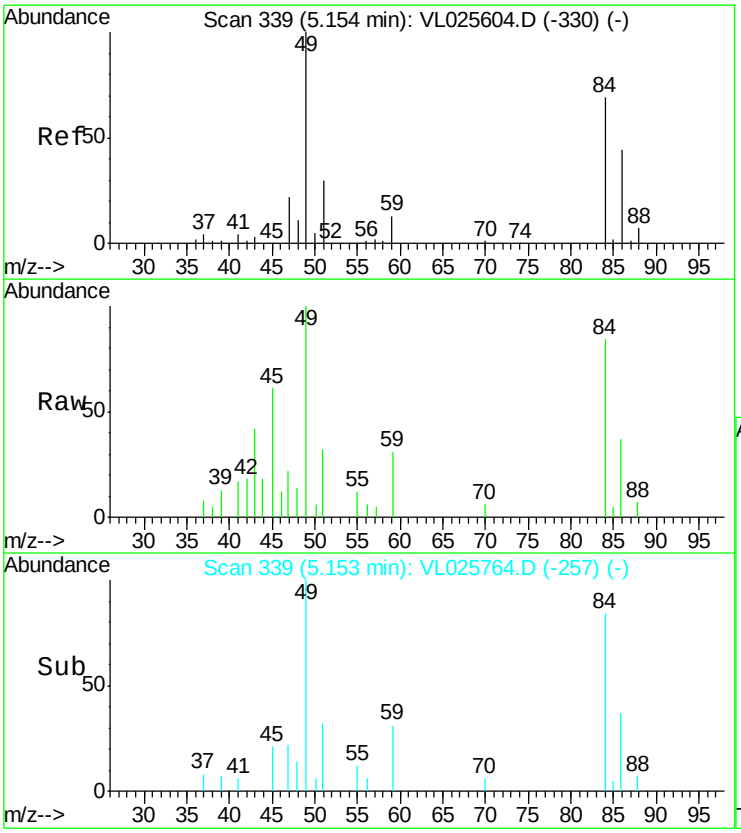
#19
Isopropyl Alcohol
Concen: 3.01 ppbv
RT: 4.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Instrument : MSVOA_L
ClientSampleId : IA-1DL

Tgt Ion: 45 Resp: 161252

Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.1	1.7#

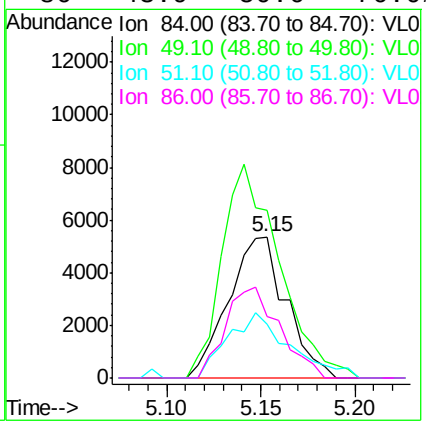


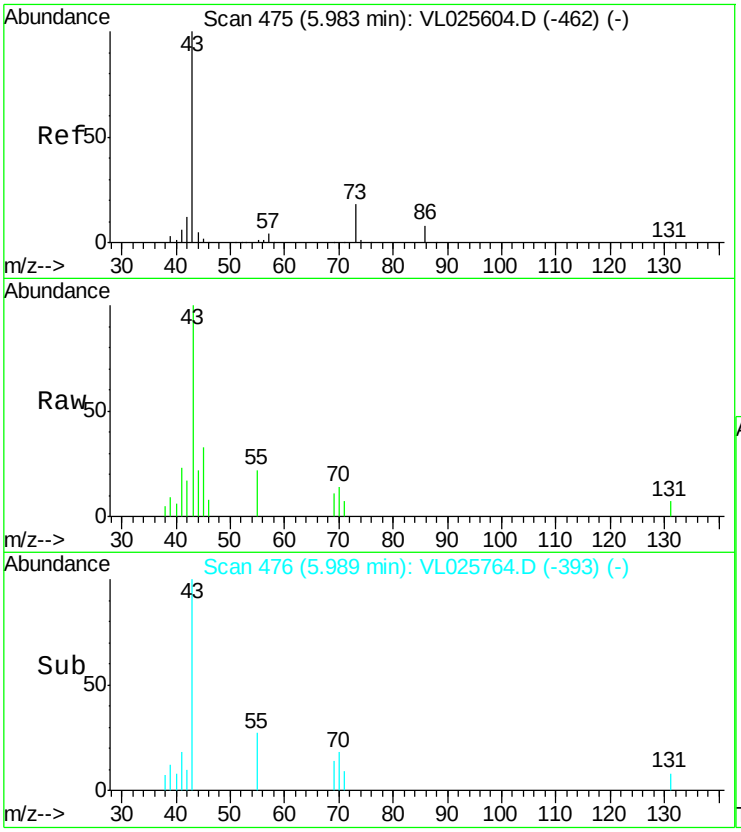


#20
Methylene Chloride
Concen: 0.21 ppbv
RT: 5.15 min Scan# 339
Delta R.T. -0.00 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Tgt Ion: 84 Resp: 11343

Ion	Ratio	Lower	Upper
84	100		
49	119.4	115.2	172.8
51	38.0	35.0	52.6
86	43.9	50.6	76.0#



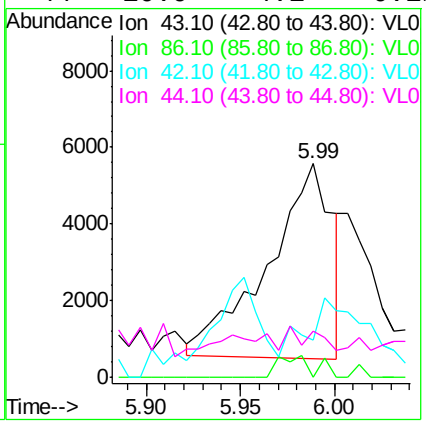


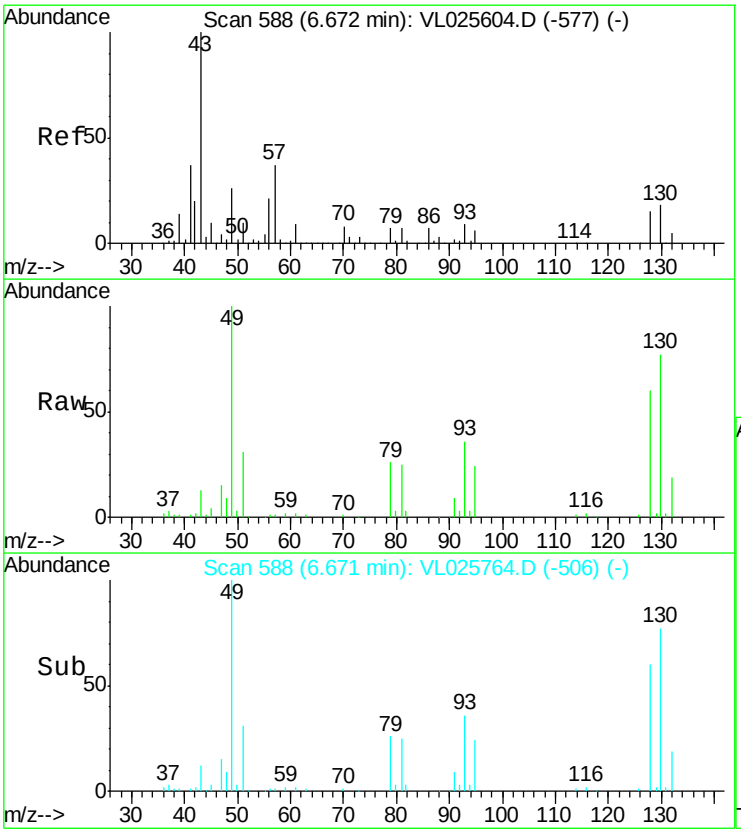
#23
Vinyl Acetate
Concen: 0.06 ppbv
RT: 5.99 min Scan# 476
Delta R.T. 0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Instrument : MSVOA_L
ClientSampleId : IA-1DL

Tgt Ion: 43 Resp: 12051

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.7	10.1#
42	11.6	9.8	14.6
44	10.9	4.1	6.1#

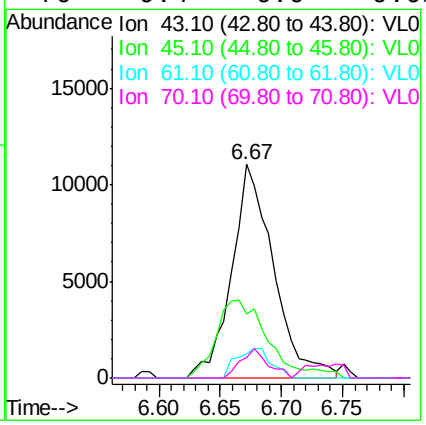


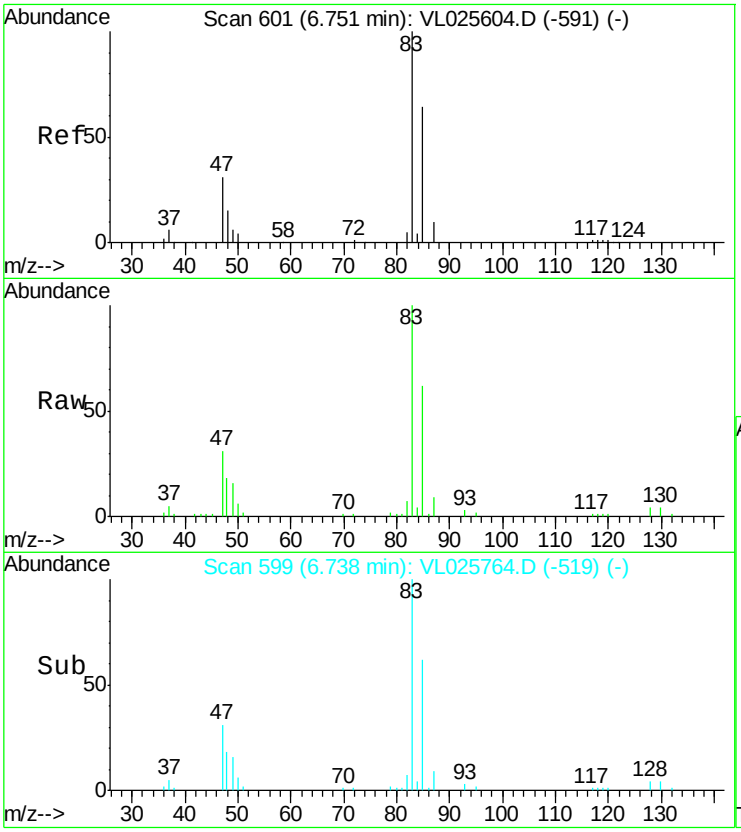


#25
Ethyl Acetate
Concen: 0.13 ppbv
RT: 6.67 min Scan# 588
Delta R.T. -0.00 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Tgt Ion: 43 Resp: 26274

Ion	Ratio	Lower	Upper
43	100		
45	45.3	7.5	11.3#
61	11.4	6.6	10.0#
70	9.4	6.0	9.0#



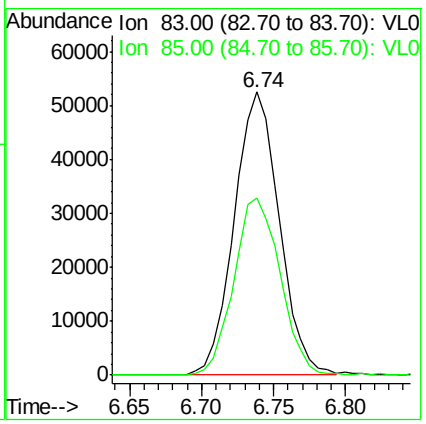


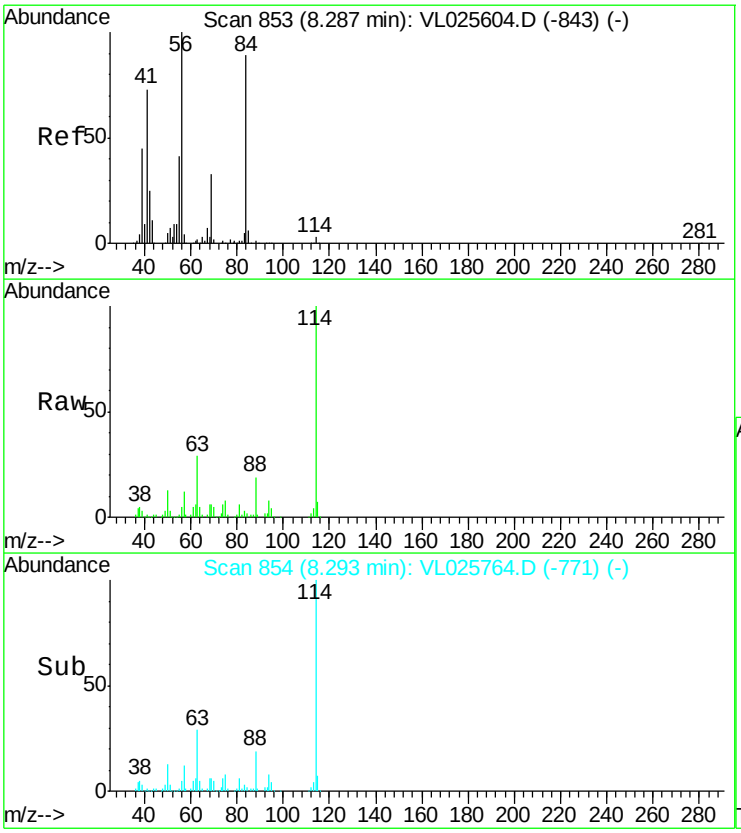
#29
Chloroform
Concen: 0.60 ppbv
RT: 6.74 min Scan# 599
Delta R.T. -0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Instrument : MSVOA_L
ClientSampleId : IA-1DL

Tgt Ion: 83 Resp: 113963

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.6	77.4

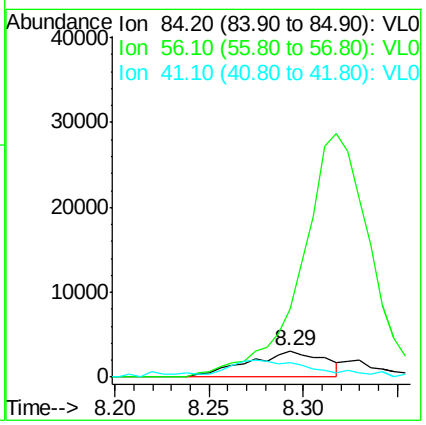


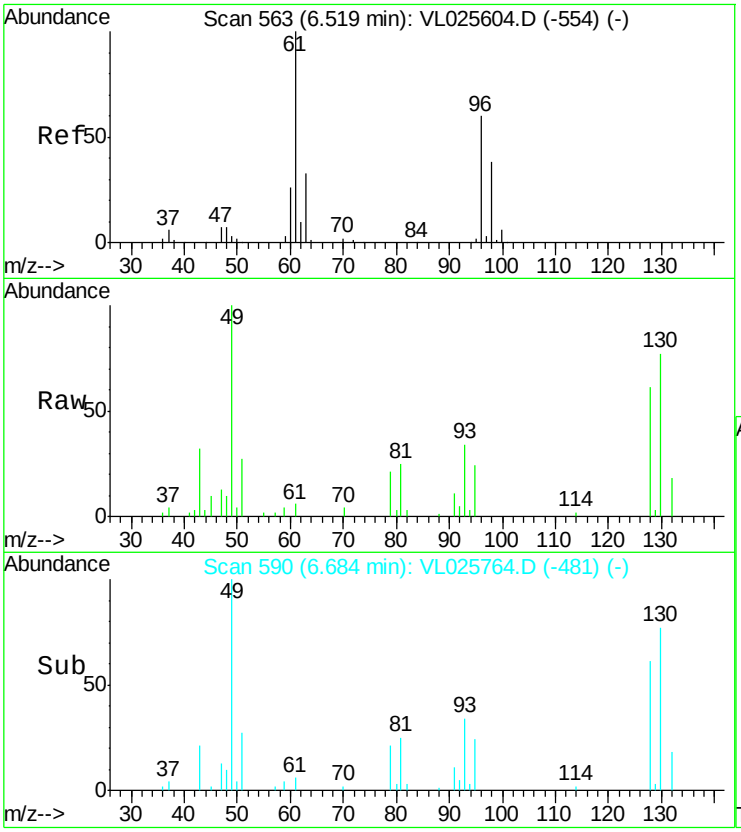


#30
Cyclohexane
Concen: 0.09 ppbv
RT: 8.29 min Scan# 854
Delta R.T. 0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Tgt Ion: 84 Resp: 8615

Ion	Ratio	Lower	Upper
84	100		
56	0.0	97.5	146.3#
41	85.9	65.4	98.2



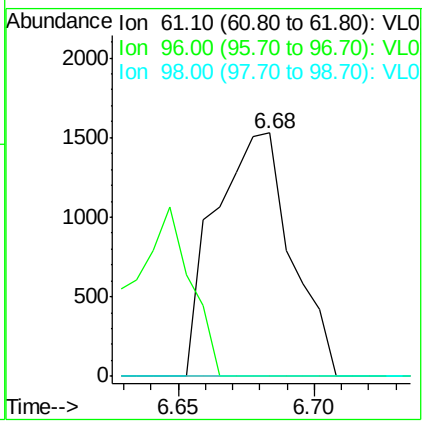


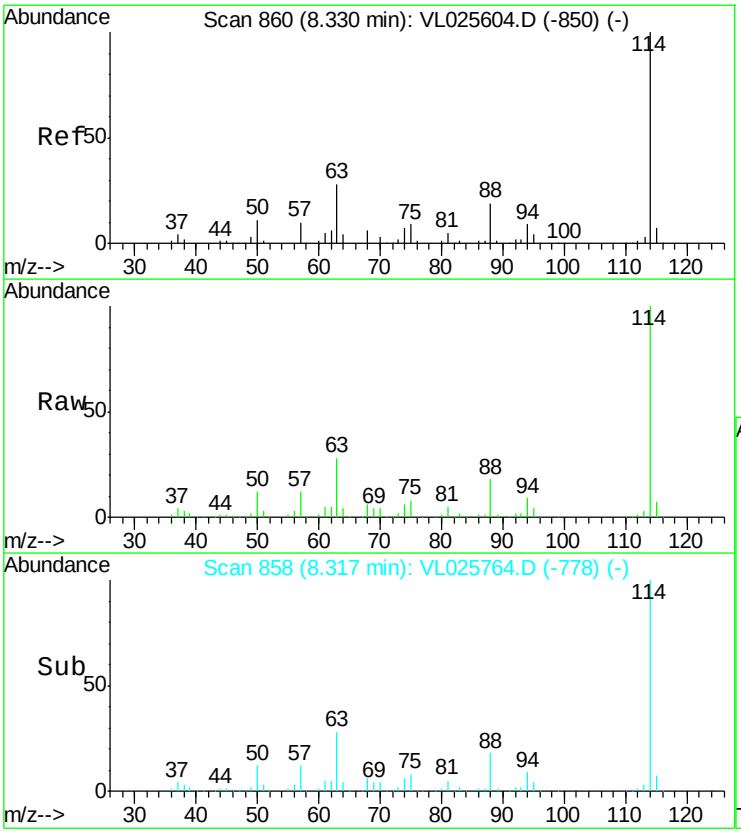
#31
cis-1,2-Dichloroethene
Concen: 0.03 ppbv
RT: 6.68 min Scan# 590
Delta R.T. 0.16 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 61 Resp: 2984

Ion	Ratio	Lower	Upper
61	100		
96	0.0	48.1	72.1#
98	0.0	30.7	46.1#

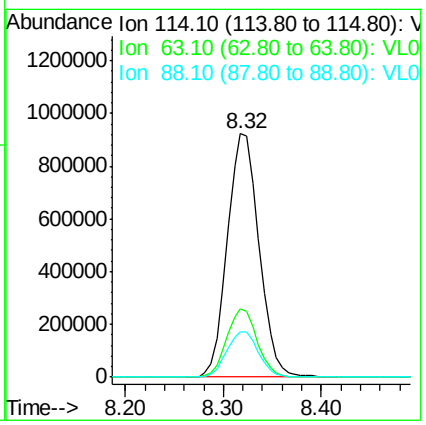


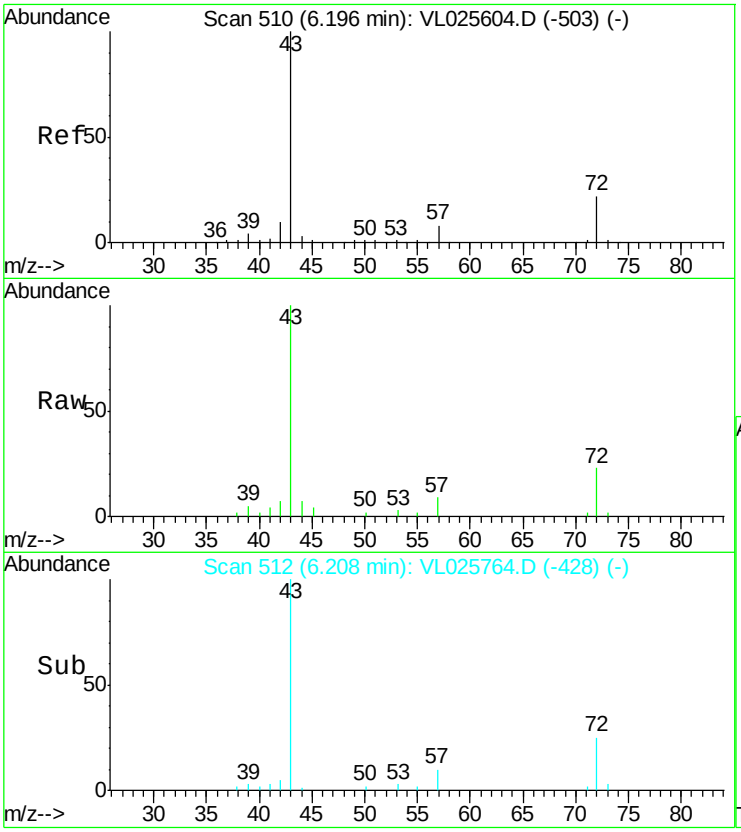


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.32 min Scan# 858
Delta R.T. -0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Tgt Ion:114 Resp: 2074620

Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.4	33.6
88	18.6	15.0	22.4



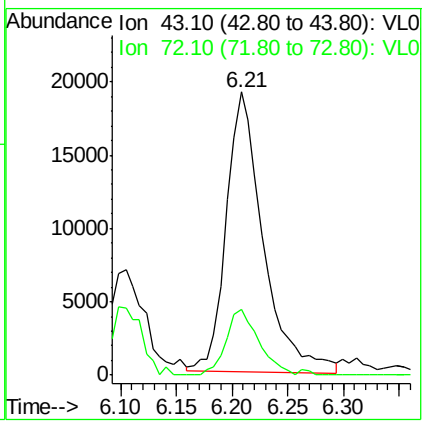


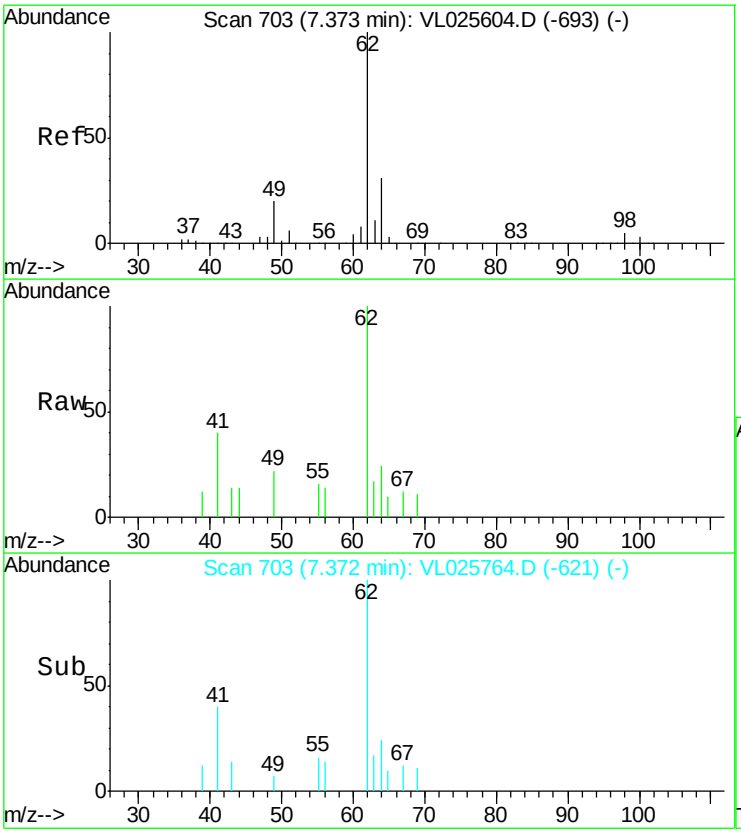
#34
2-Butanone
Concen: 0.37 ppbv
RT: 6.21 min Scan# 512
Delta R.T. 0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Instrument : MSVOA_L
ClientSampleId : IA-1DL

Tgt Ion: 43 Resp: 43746

Ion	Ratio	Lower	Upper
43	100		
72	21.5	18.6	28.0

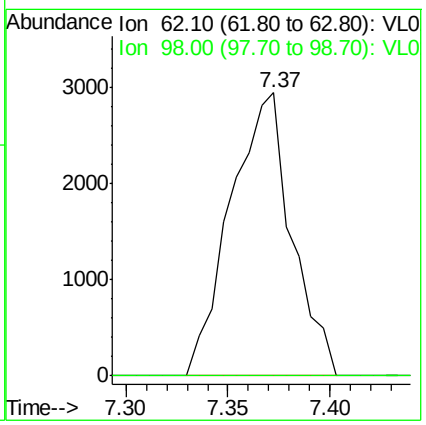


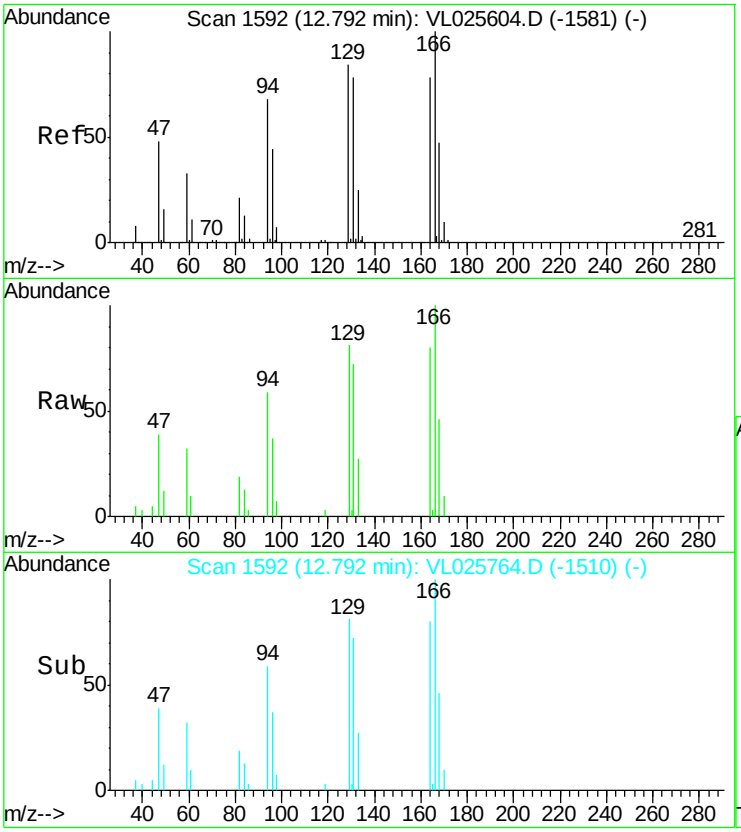


#37
1,2-Dichloroethane
Concen: 0.04 ppbv
RT: 7.37 min Scan# 703
Delta R.T. -0.00 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Tgt Ion: 62 Resp: 6138

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.1	6.1#



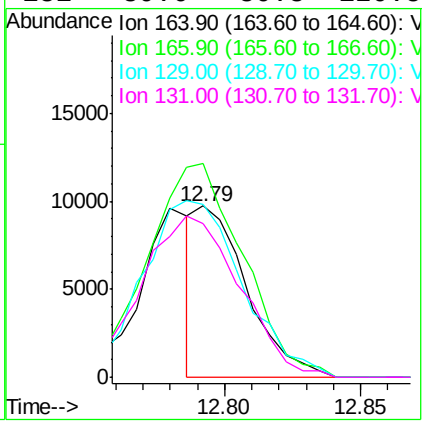


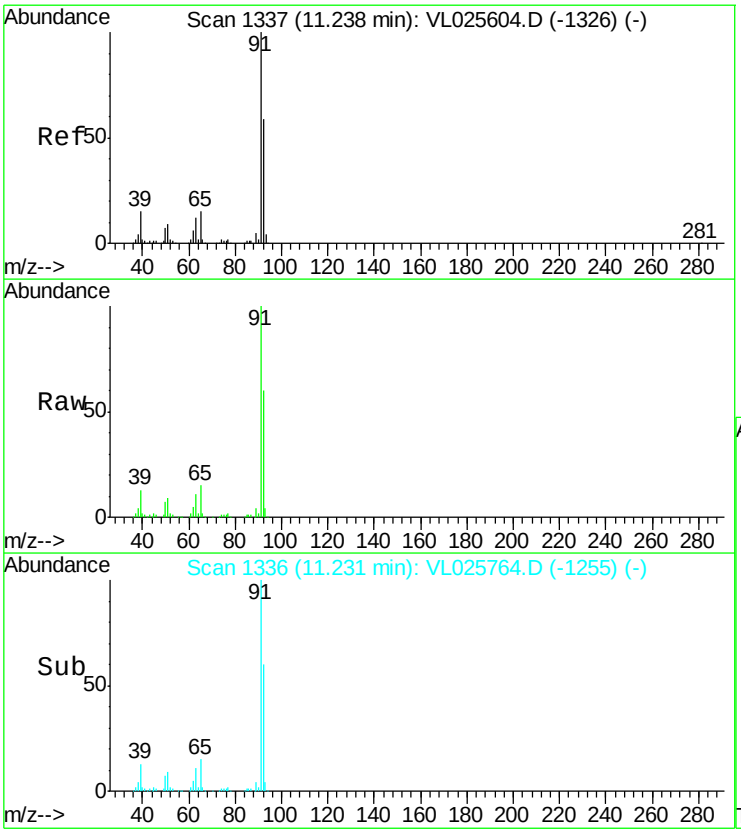
#52
Tetrachloroethene
Concen: 0.13 ppbv
RT: 12.79 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Instrument : MSVOA_L
ClientSampleId : IA-1DL

Tgt Ion:164 Resp: 12528

Ion	Ratio	Lower	Upper
164	100		
166	124.6	102.3	153.5
129	100.4	86.2	129.4
131	89.6	80.3	120.5

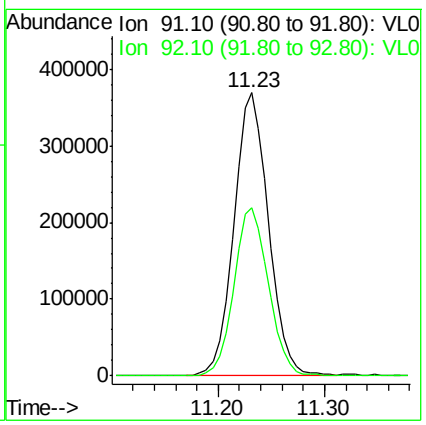


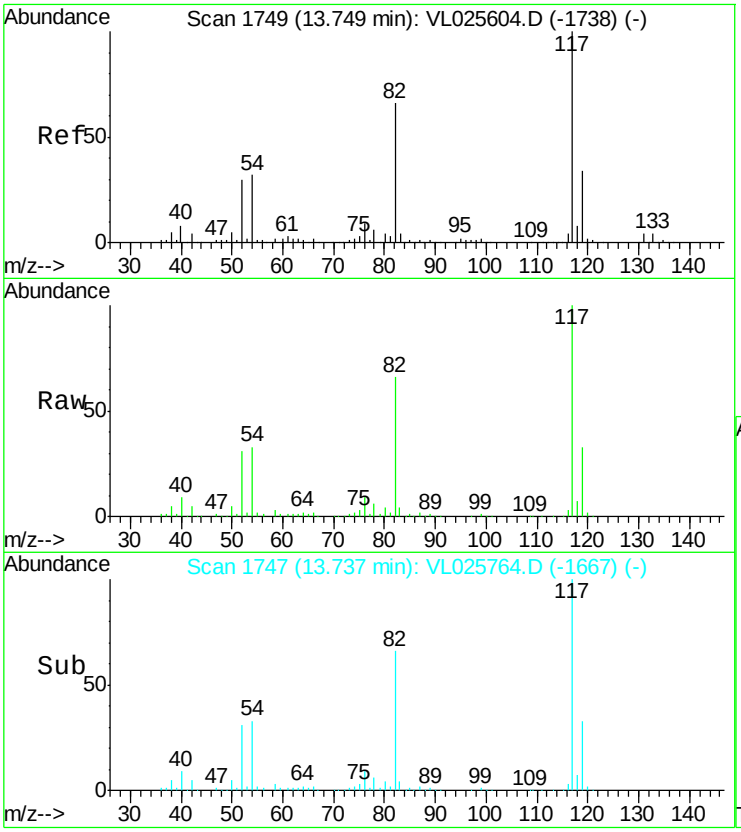


#53
Toluene
Concen: 3.00 ppbv
RT: 11.23 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Tgt Ion: 91 Resp: 838125

Ion	Ratio	Lower	Upper
91	100		
92	59.9	48.2	72.2



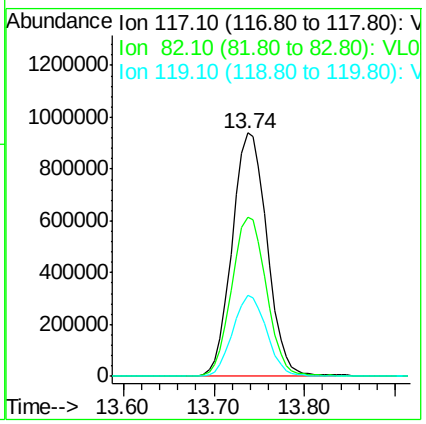


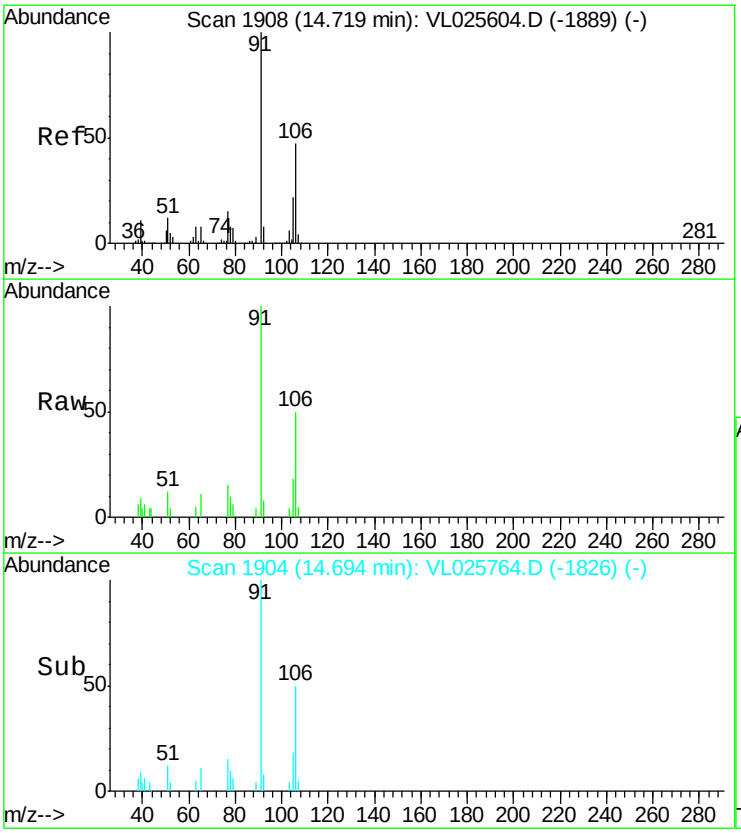
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Instrument : MSVOA_L
ClientSampleId : IA-1DL

Tgt Ion:117 Resp: 2515789

Ion	Ratio	Lower	Upper
117	100		
82	65.8	50.5	75.7
119	32.7	45.1	67.7#

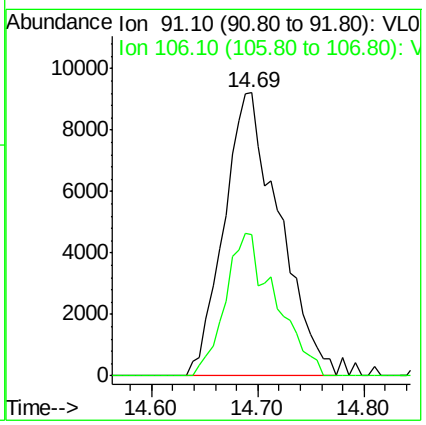


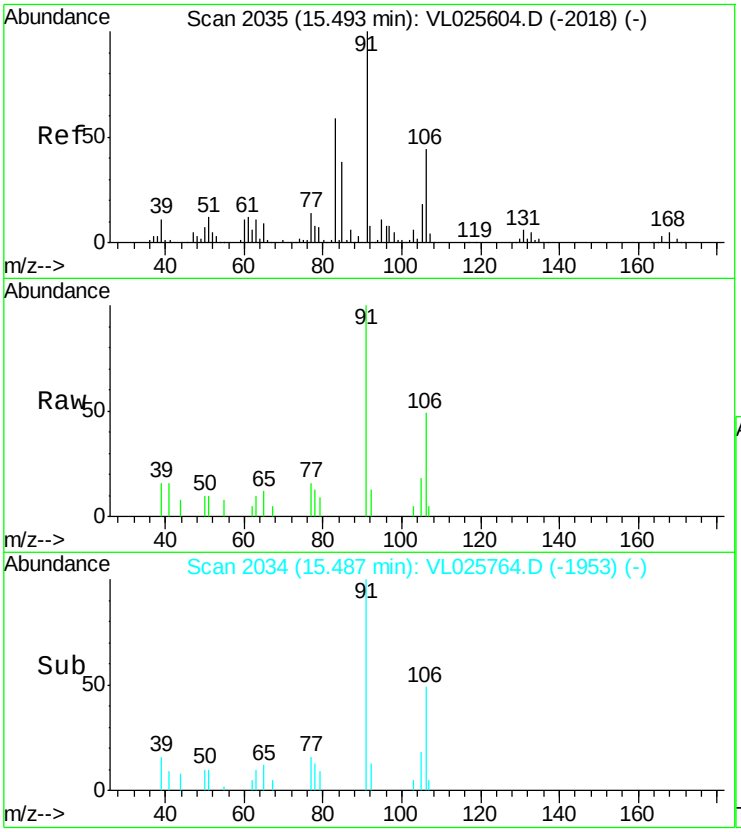


#59
m/p-Xylene
Concen: 0.09 ppbv
RT: 14.69 min Scan# 1904
Delta R.T. -0.02 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Tgt Ion: 91 Resp: 33510

Ion	Ratio	Lower	Upper
91	100		
106	45.6	37.9	56.9



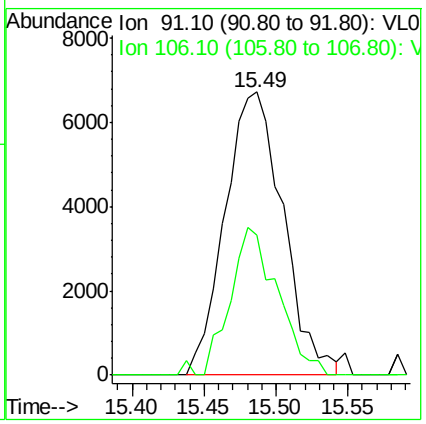


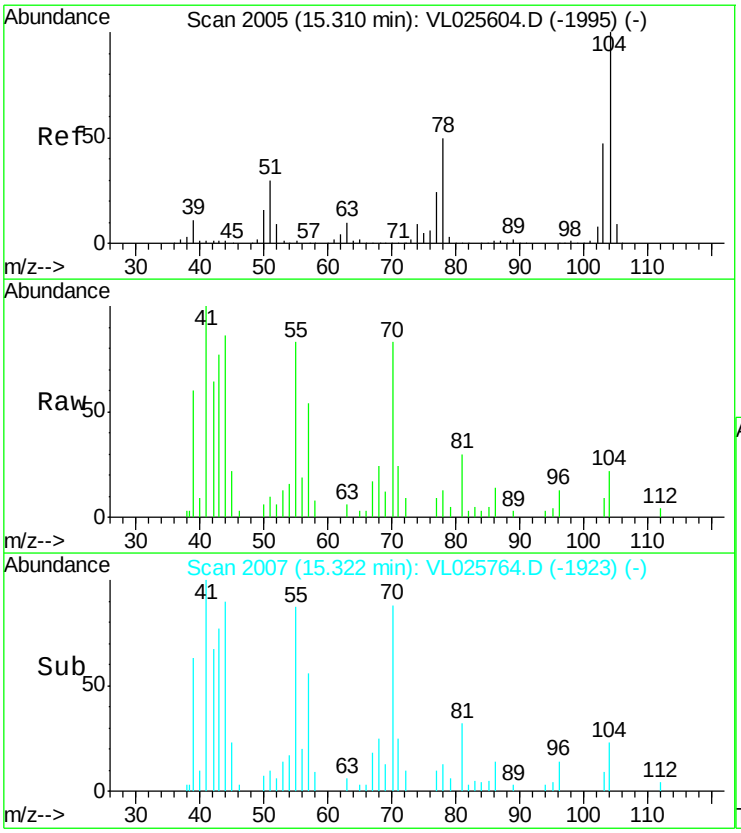
#60
o-Xylene
Concen: 0.05 ppbv
RT: 15.49 min Scan# 2034
Delta R.T. -0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Instrument : MSVOA_L
ClientSampleId : IA-1DL

Tgt Ion: 91 Resp: 18819

Ion	Ratio	Lower	Upper
91	100		
106	43.2	22.1	66.1

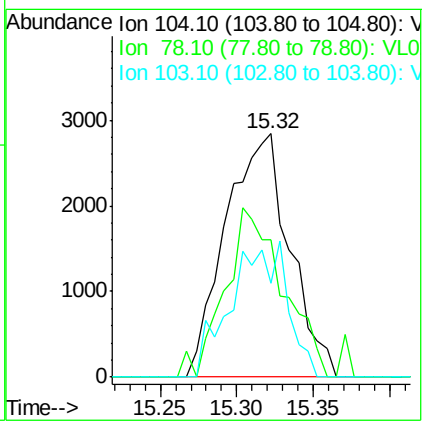


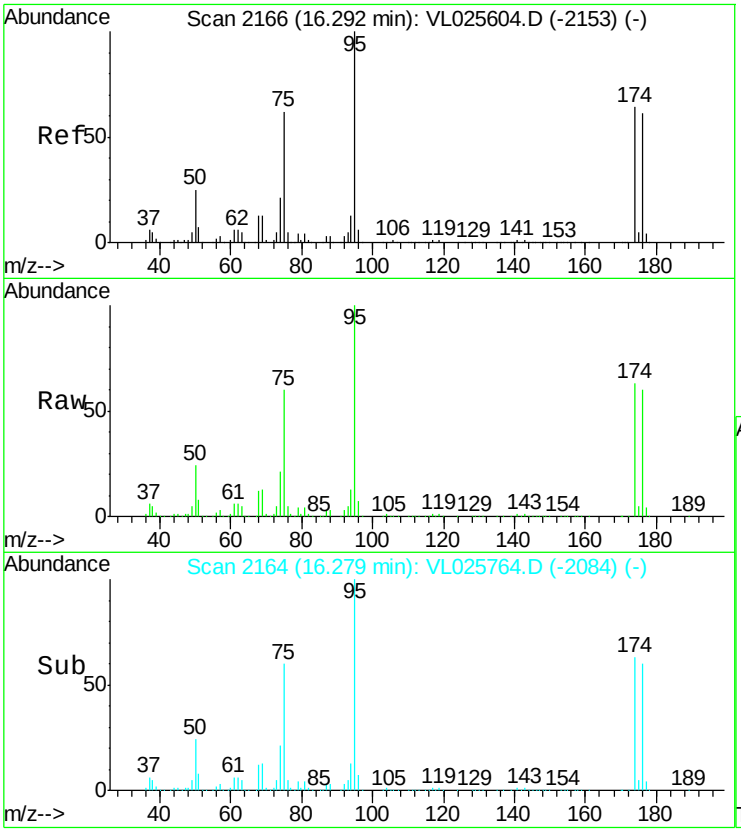


#61
Styrene
Concen: 0.06 ppbv
RT: 15.32 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Tgt Ion:104 Resp: 8278

Ion	Ratio	Lower	Upper
104	100		
78	65.4	40.2	60.4#
103	48.7	37.4	56.2



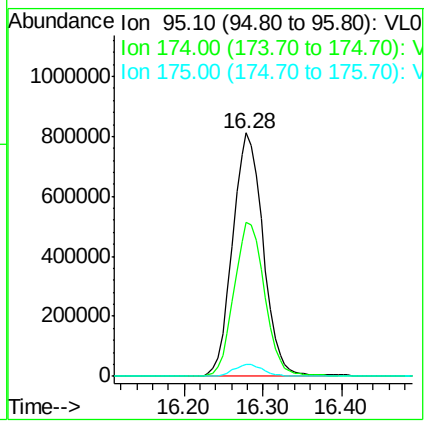


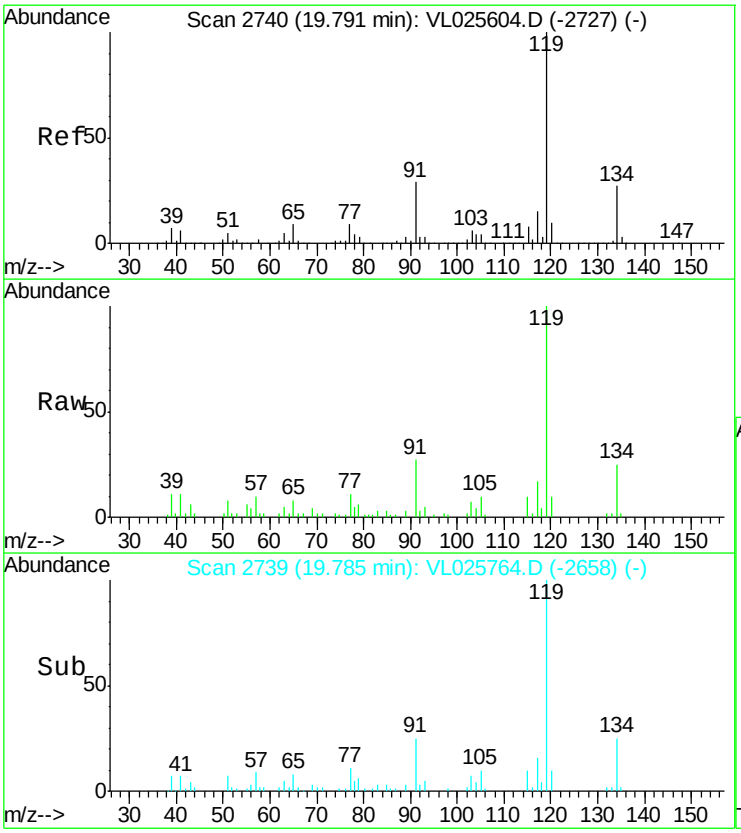
#68
1-Bromo-4-Fluorobenzene
Concen: 10.32 ppbv
RT: 16.28 min Scan# 2164
Delta R.T. -0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Instrument : MSVOA_L
ClientSampleId : IA-1DL

Tgt Ion: 95 Resp: 2189120

Ion	Ratio	Lower	Upper
95	100		
174	64.1	52.0	78.0
175	4.9	3.9	5.9

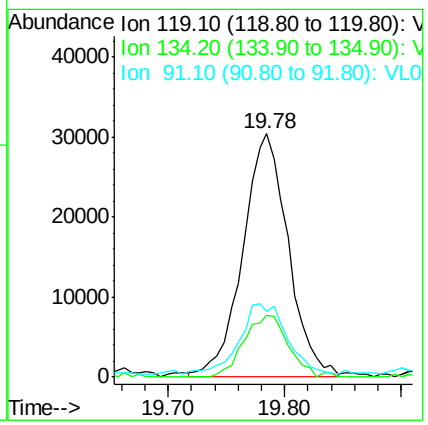


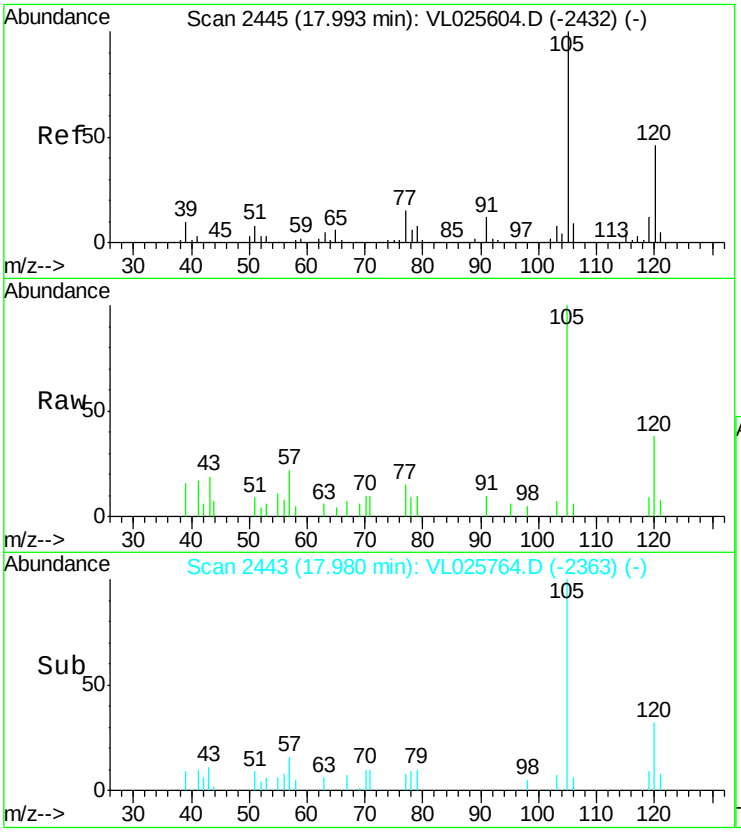


#69
p-Isopropyltoluene
Concen: 0.14 ppbv
RT: 19.78 min Scan# 2739
Delta R.T. -0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Tgt Ion:119 Resp: 82885

Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.7	31.1
91	37.6	22.6	34.0#



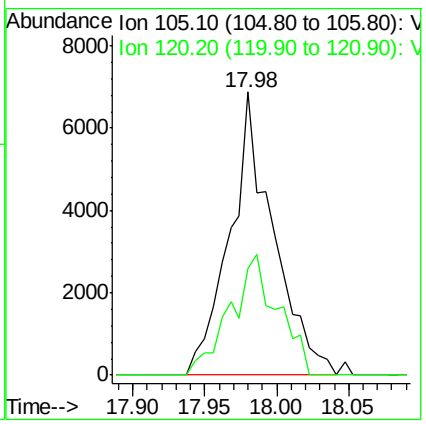


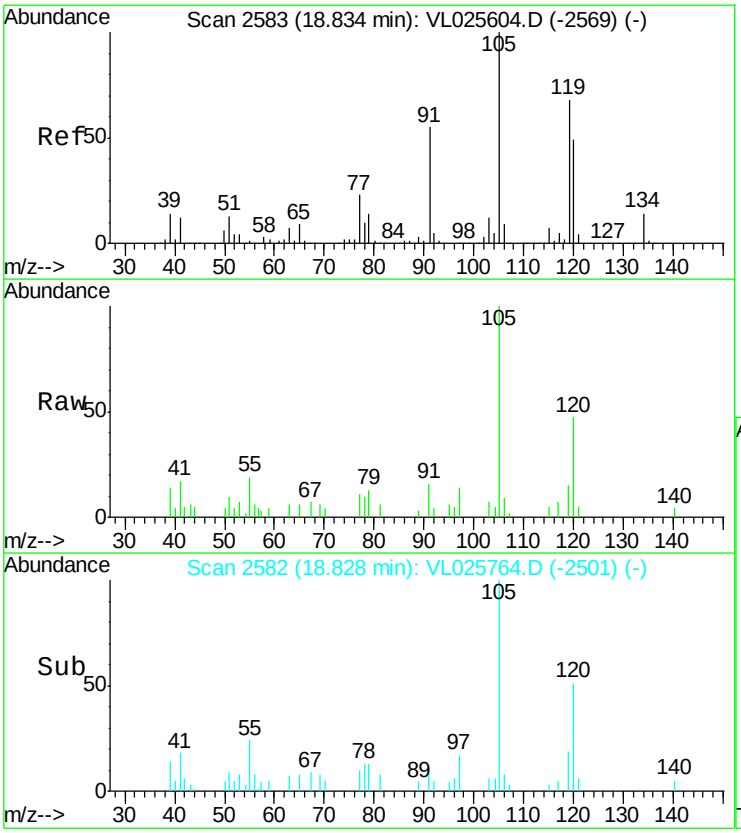
#73
1,3,5-Trimethylbenzene
Concen: 0.03 ppbv
RT: 17.98 min Scan# 2443
Delta R.T. -0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Instrument : MSVOA_L
ClientSampleId : IA-1DL

Tgt Ion:105 Resp: 14409

Ion	Ratio	Lower	Upper
105	100		
120	37.9	37.0	55.4

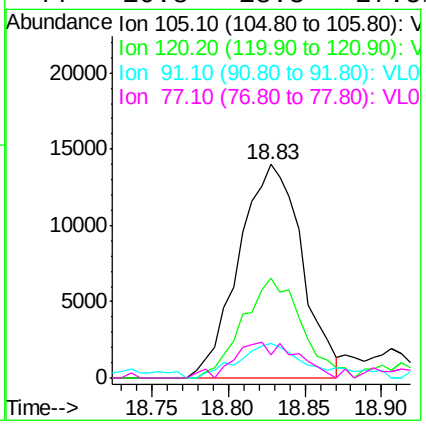


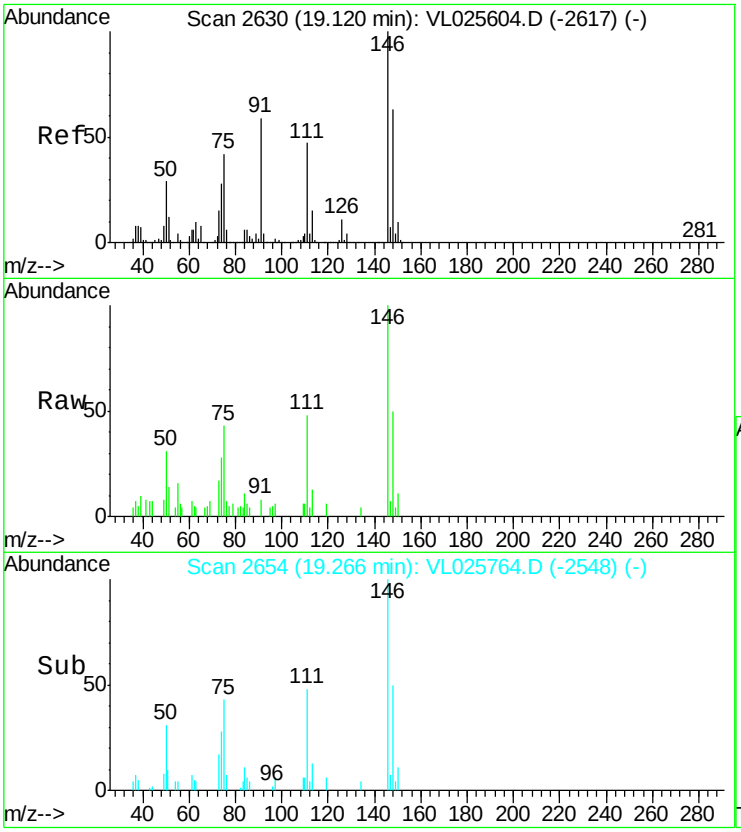


#74
1,2,4-Trimethylbenzene
Concen: 0.08 ppbv
RT: 18.83 min Scan# 2582
Delta R.T. -0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Tgt Ion:105 Resp: 40046

Ion	Ratio	Lower	Upper
105	100		
120	46.6	39.3	58.9
91	16.4	43.8	65.6#
77	10.8	18.3	27.5#



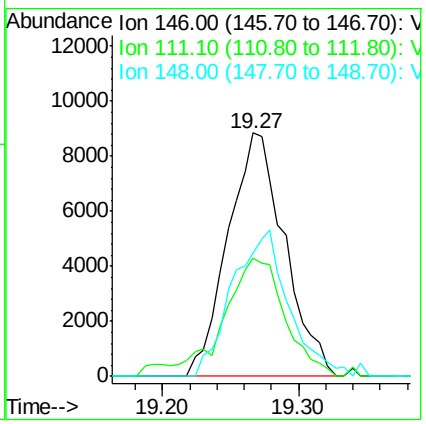


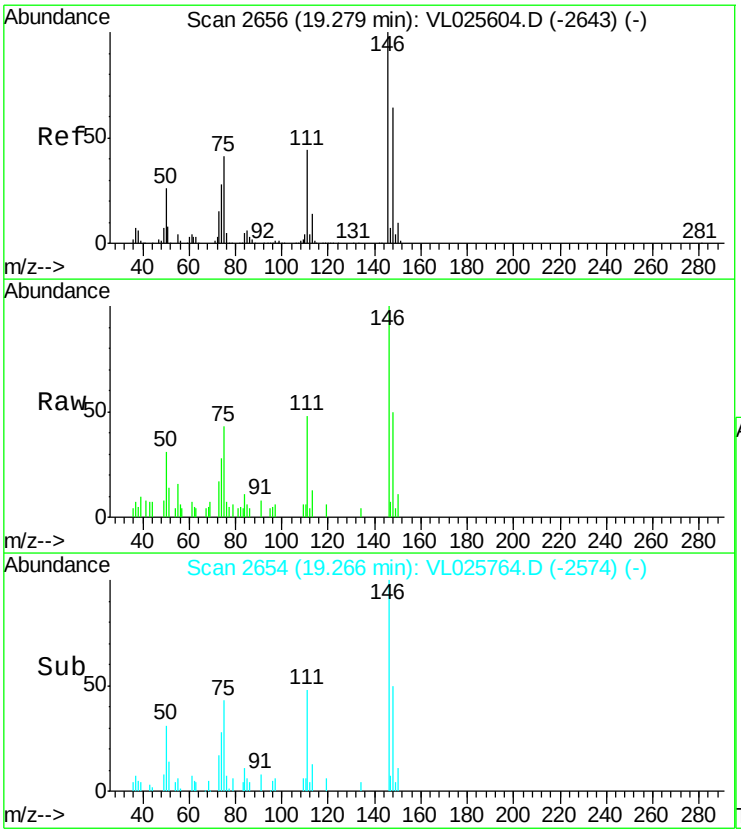
#75
1,3-Dichlorobenzene
Concen: 0.08 ppbv
RT: 19.27 min Scan# 2654
Delta R.T. 0.15 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Instrument : MSVOA_L
ClientSampleId : IA-1DL

Tgt Ion:146 Resp: 25698

Ion	Ratio	Lower	Upper
146	100		
111	54.4	22.7	68.1
148	60.3	31.8	95.3





#76
1,4-Dichlorobenzene
Concen: 0.08 ppbv
RT: 19.27 min Scan# 2654
Delta R.T. -0.01 min
Lab File: VL025764.D
Acq: 27 Jul 2015 22:18

Tgt Ion:146 Resp: 25698

Ion	Ratio	Lower	Upper
146	100		
111	54.4	22.1	66.1
148	60.3	31.9	95.9