Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
Data File : VL032156.D
Acq On : 30 Jun 2018 5:15
Operator : SY/AP
Sample : J3601-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : OUTDOOR-1

Quant Time: Jun 30 06:20:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 22:27:58 2018
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.85	49	1650737	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.38	114	3901606	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.34	117	3529657	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.67	95	1373792	5.09	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 50.90%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.13	85	71258	0.328	ppbv		91
3) Chlorodifluoromethane	3.07	51	90728	0.450	ppbv		97
4) Chloromethane	3.23	50	52726	0.490	ppbv		100
8) Dichlorotetrafluoroethane	3.28	85	7857	0.032	ppbv		90
9) Propene	3.11	41	26367	0.280	ppbv	#	78
10) Heptane	8.34	43	61386	0.224	ppbv		95
11) Trichlorofluoromethane	4.07	101	57048	0.243	ppbv	#	81
12) 1,1,2-Trichlorotrifluoroet	4.63	101	13962	0.089	ppbv		98
13) Ethanol	3.75	45	95863	3.364	ppbv		77
15) Acetone	3.97	43	789725	4.091	ppbv		99
19) Isopropyl Alcohol	4.13	45	25589	0.160	ppbv	#	38
20) Methylene Chloride	4.48	84	391884	5.556	ppbv		95
23) Vinyl Acetate	5.23	43	96414	0.275	ppbv	#	76
25) Ethyl Acetate	5.86	43	425951	1.067	ppbv	#	83
26) Hexane	5.86	57	544051	2.958	ppbv	#	48
29) Chloroform	5.93	83	13601	0.051	ppbv		96
30) Cyclohexane	7.34	84	21896	0.126	ppbv	#	23
34) 2-Butanone	5.41	43	138122	0.558	ppbv		98
35) Carbon Tetrachloride	7.23	117	14059	0.053	ppbv	#	78
36) Benzene	7.10	78	50048	0.133	ppbv	#	82
39) 1,2-Dichloropropane	7.38	63	1023042	6.869	ppbv	#	26
44) 2,2,4-Trimethylpentane	8.08	57	55672	0.084	ppbv	#	36
50) 4-Methyl-2-Pentanone	8.98	43	12893	0.032	ppbv	#	1
52) Tetrachloroethene	11.48	164	11588	0.084	ppbv	#	68
53) Toluene	10.04	91	736237	1.613	ppbv		100
58) Ethyl Benzene	12.96	91	165618	0.291	ppbv		92
59) m/p-Xylene	13.25	91	64652	0.142	ppbv	#	29
60) o-Xylene	13.95	91	79686	0.175	ppbv	#	53
72) 4-Ethyltoluene	16.10	105	44349	0.076	ppbv	#	89
73) 1,3,5-Trimethylbenzene	16.25	105	30341	0.055	ppbv		99
74) 1,2,4-Trimethylbenzene	17.03	105	136209	0.244	ppbv	#	71
80) Naphthalene,2-methyl-	25.19	142	21055	0.115	ppbv		94

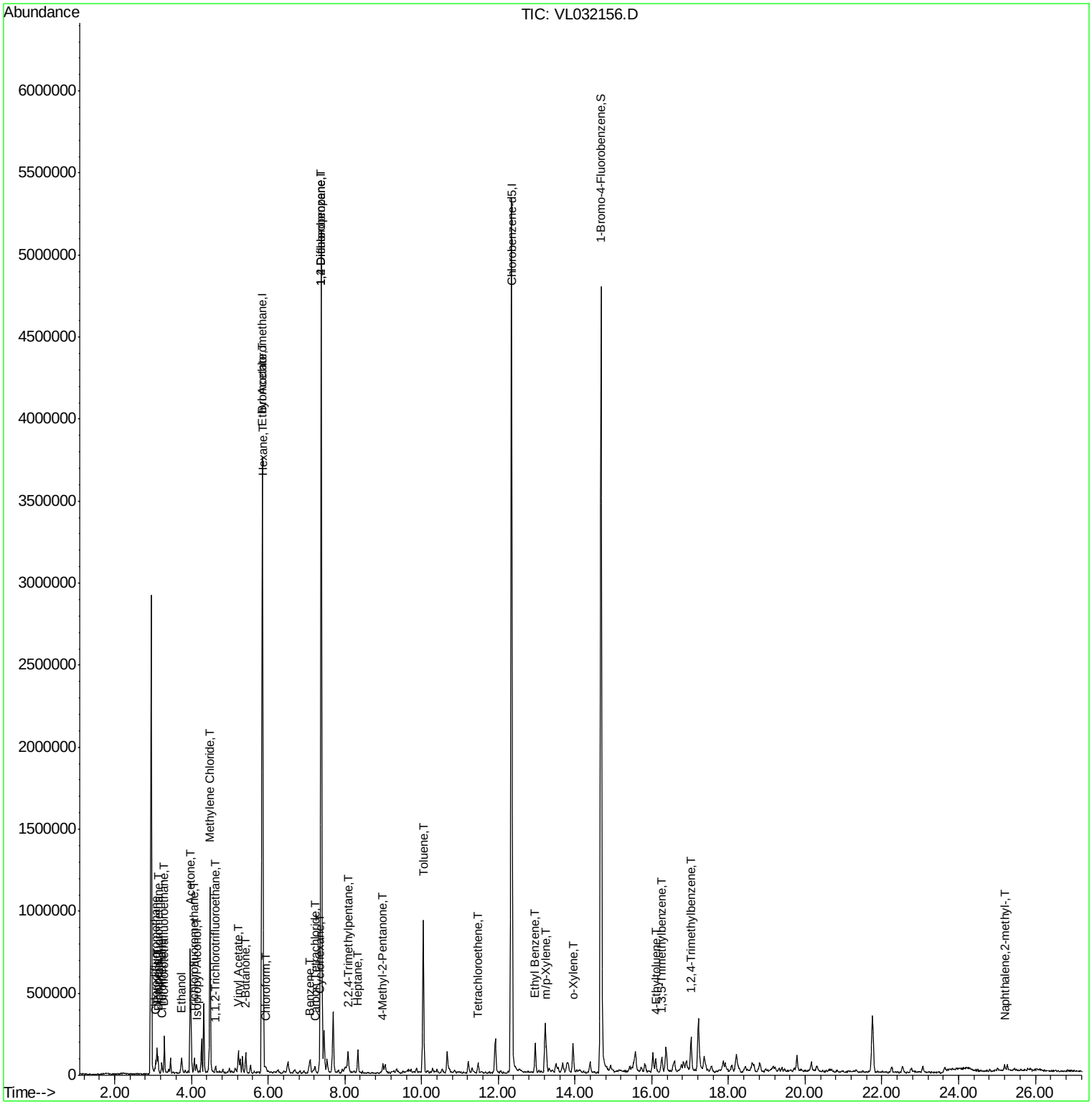
(#) = qualifier out of range (m) = manual integration (+) = signals summed

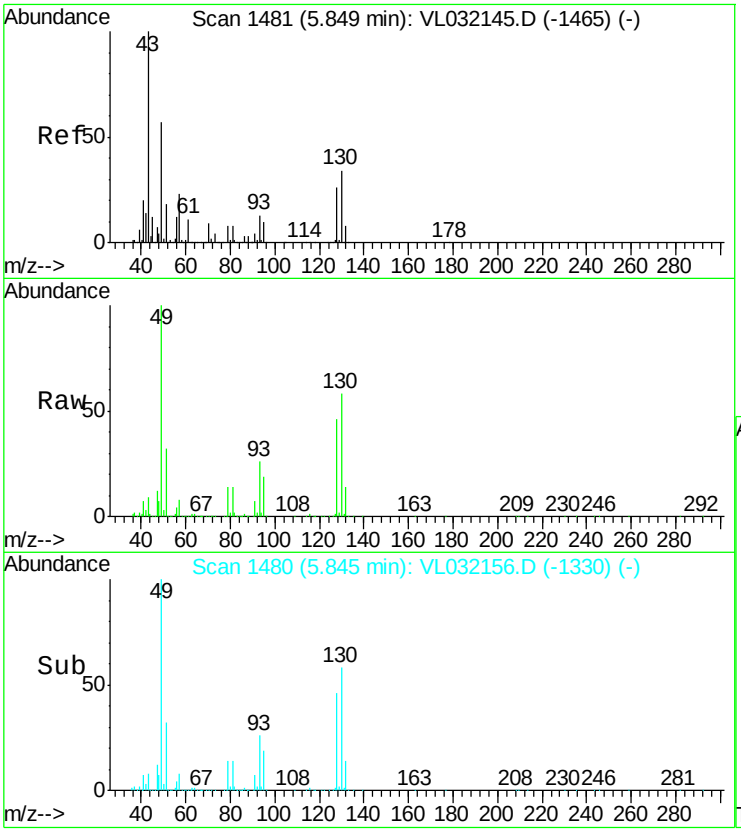
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
Data File : VL032156.D
Acq On : 30 Jun 2018 5:15
Operator : SY/AP
Sample : J3601-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-1

Quant Time: Jun 30 06:20:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 22:27:58 2018
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration



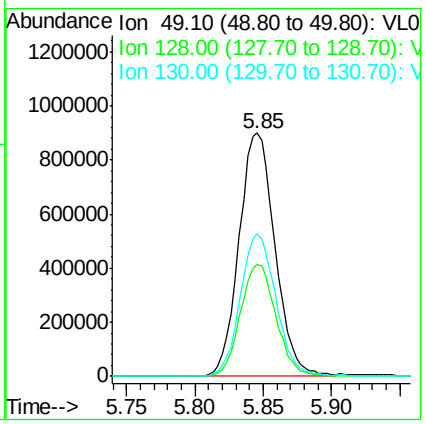


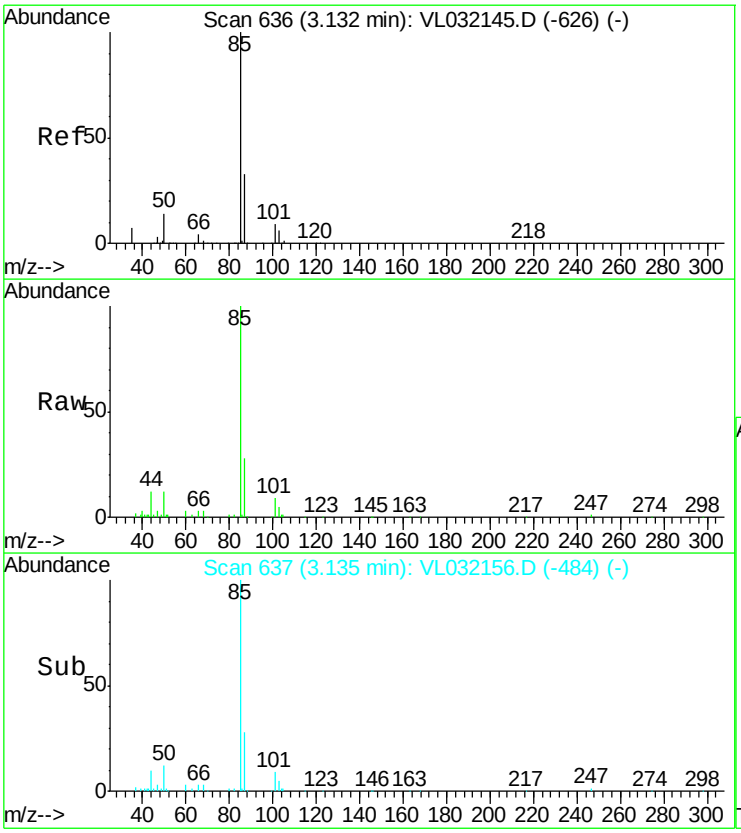
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.85 min Scan# 1480
Delta R.T. -0.02 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-1

Tgt Ion: 49 Resp: 1650737

Ion	Ratio	Lower	Upper
49	100		
128	45.8	23.4	70.0
130	58.1	30.3	90.9

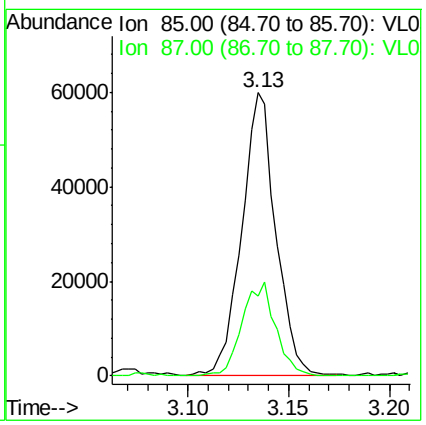


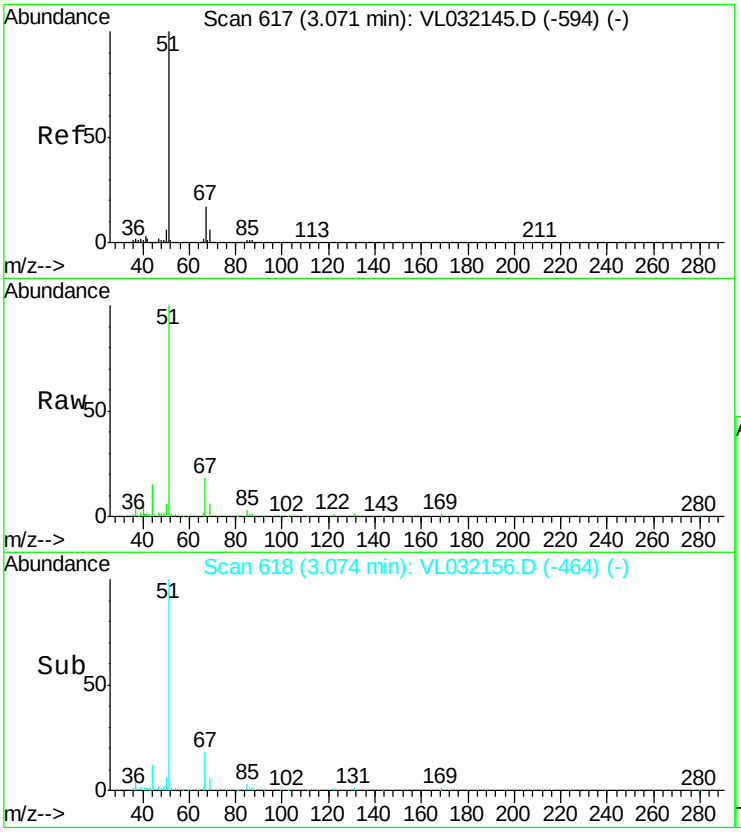


#2
Dichlorodifluoromethane
Concen: 0.328 ppbv
RT: 3.13 min Scan# 637
Delta R.T. -0.01 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Tgt Ion: 85 Resp: 71258

Ion	Ratio	Lower	Upper
85	100		
87	28.0	26.7	40.1



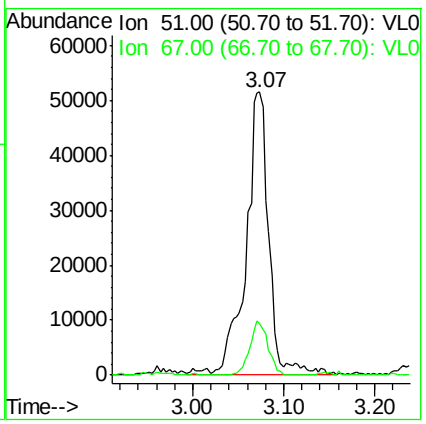


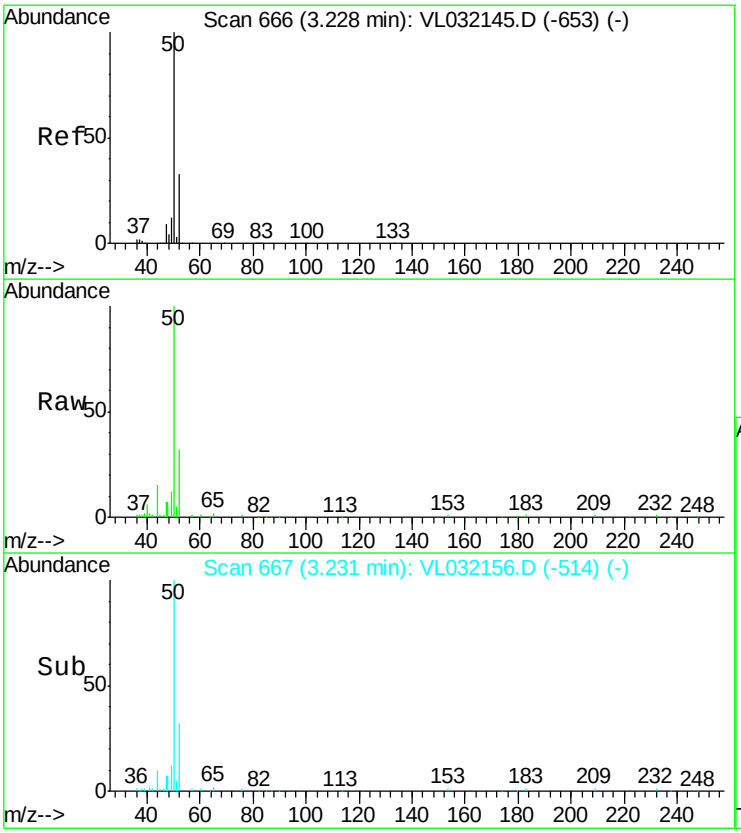
#3
Chlorodifluoromethane
Concen: 0.450 ppbv
RT: 3.07 min Scan# 618
Delta R.T. -0.00 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-1

Tgt Ion: 51 Resp: 90728

Ion	Ratio	Lower	Upper
51	100		
67	15.1	13.2	19.8

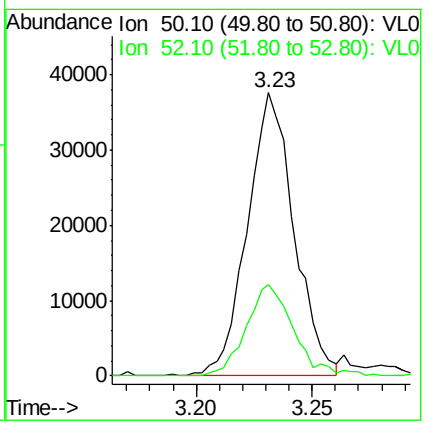


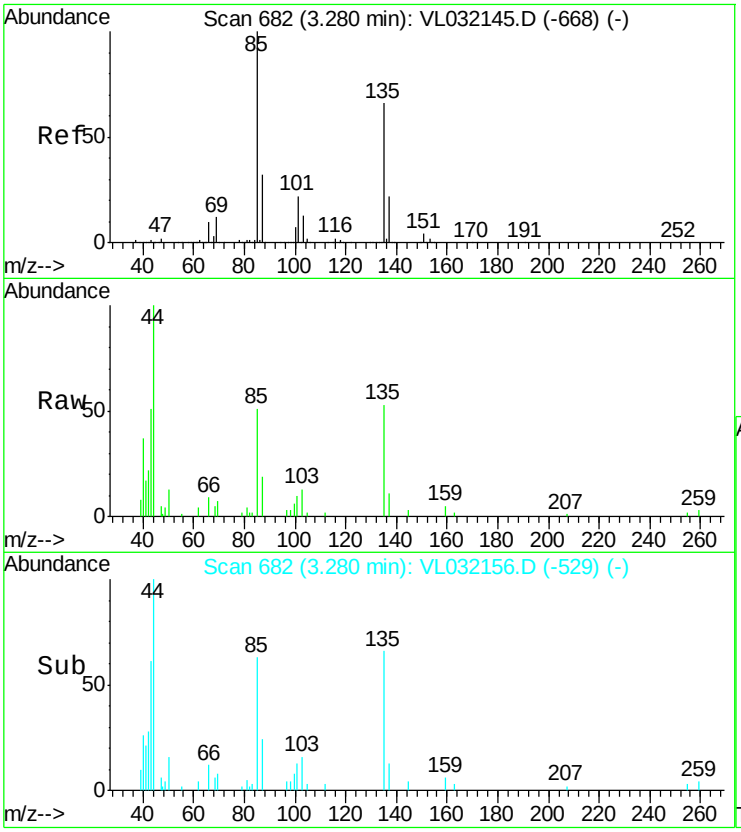


#4
Chloromethane
Concen: 0.490 ppbv
RT: 3.23 min Scan# 667
Delta R.T. -0.01 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Tgt Ion: 50 Resp: 52726

Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.0	39.0



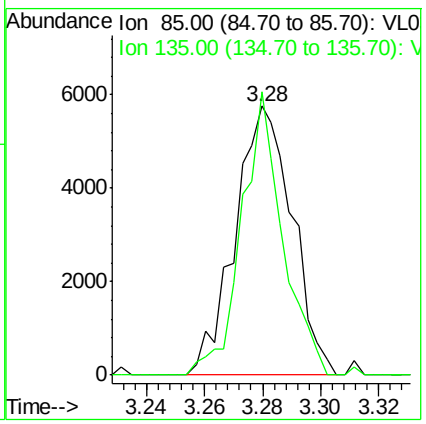


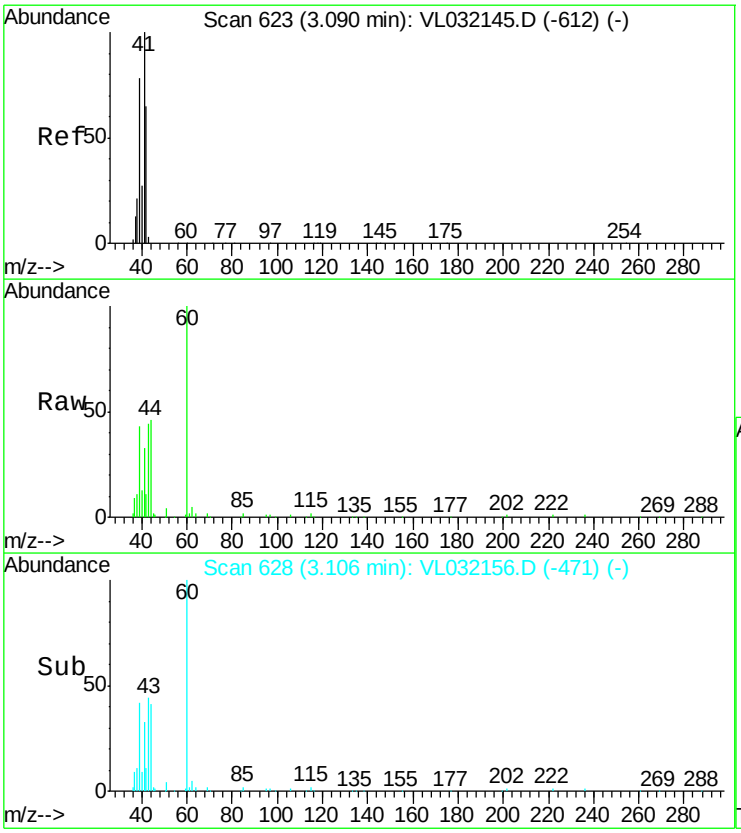
#8
Dichlorotetrafluoroethane
Concen: 0.032 ppbv
RT: 3.28 min Scan# 682
Delta R.T. -0.01 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-1

Tgt Ion: 85 Resp: 7857

Ion	Ratio	Lower	Upper
85	100		
135	76.2	54.6	82.0

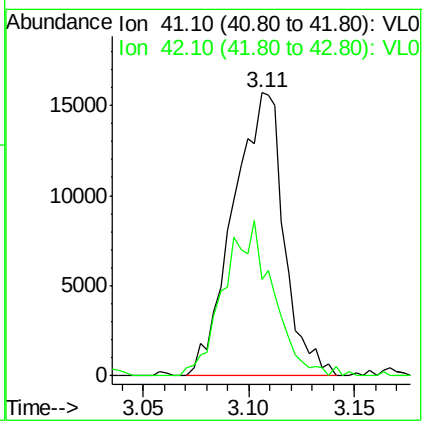


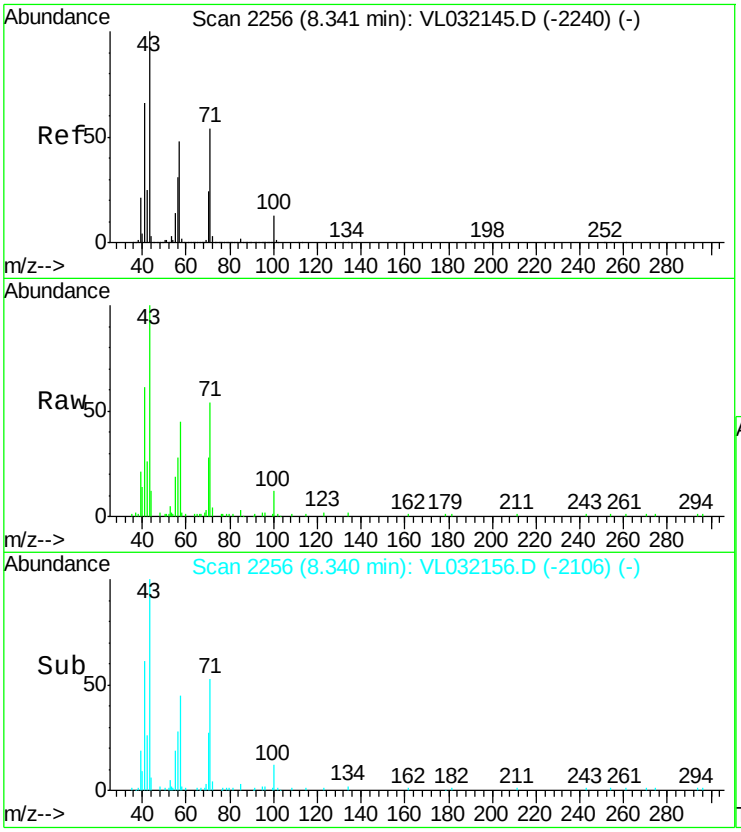


#9
Propene
Concen: 0.280 ppbv
RT: 3.11 min Scan# 628
Delta R.T. 0.01 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Tgt Ion: 41 Resp: 26367

Ion	Ratio	Lower	Upper
41	100		
42	52.5	56.2	84.4#



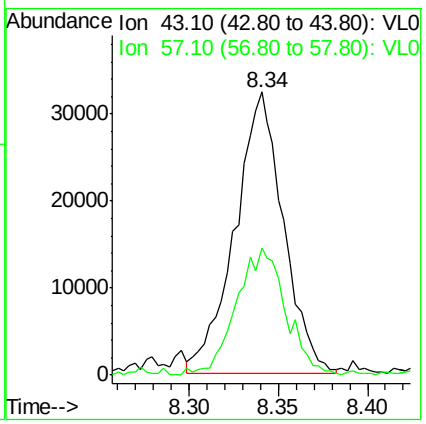


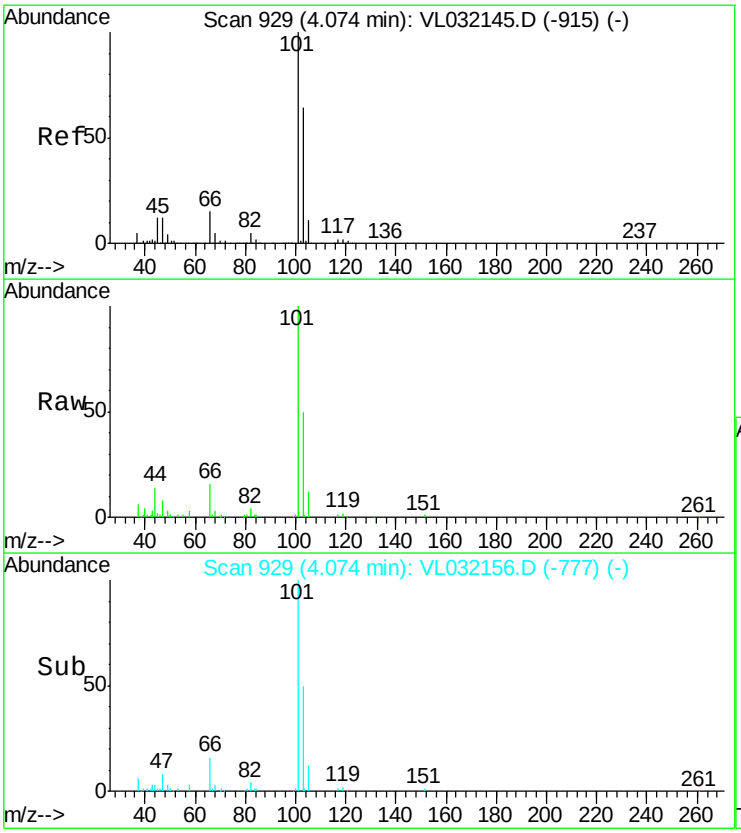
#10
Heptane
Concen: 0.224 ppbv
RT: 8.34 min Scan# 2256
Delta R.T. -0.02 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-1

Tgt Ion: 43 Resp: 61386

Ion	Ratio	Lower	Upper
43	100		
57	46.5	39.8	59.8

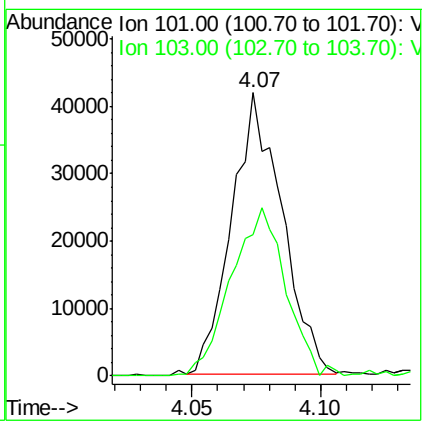


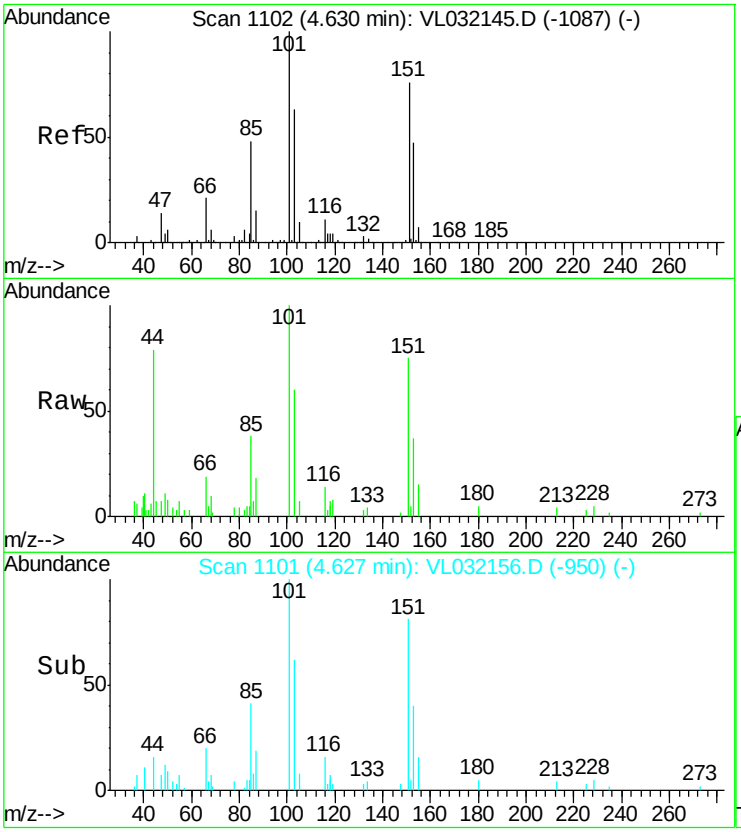


#11
Trichlorofluoromethane
Concen: 0.243 ppbv
RT: 4.07 min Scan# 929
Delta R.T. -0.01 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Tgt Ion:101 Resp: 57048

Ion	Ratio	Lower	Upper
101	100		
103	49.6	51.4	77.0#



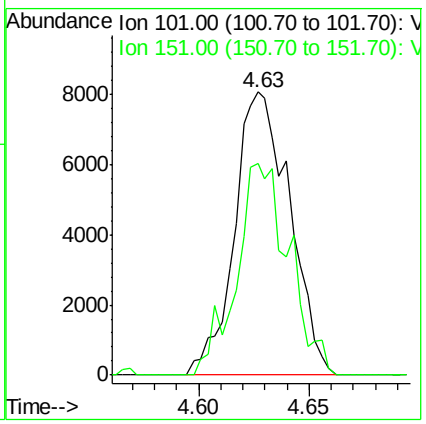


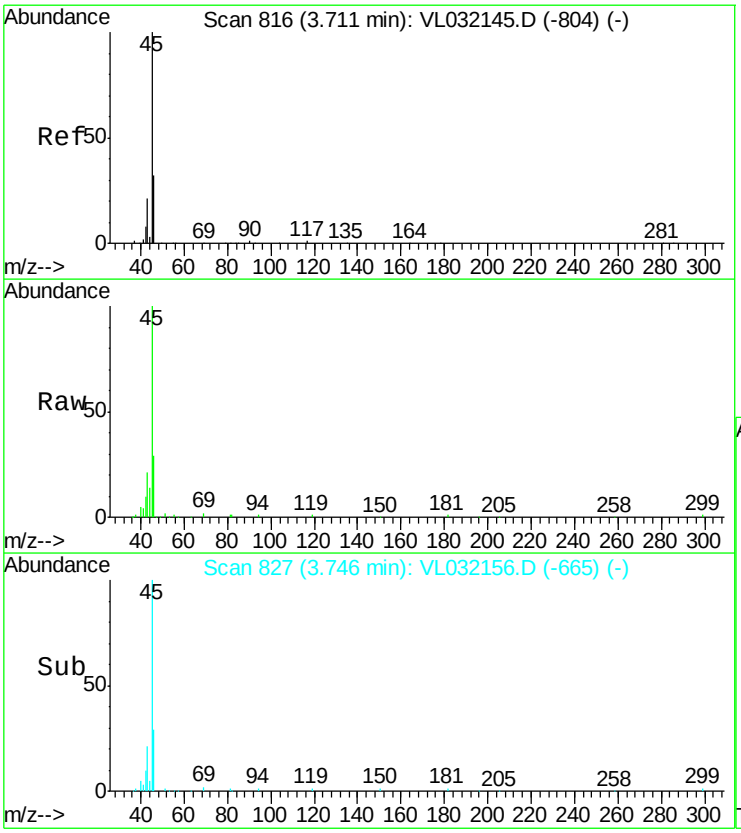
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.089 ppbv
RT: 4.63 min Scan# 1101
Delta R.T. -0.01 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-1

Tgt Ion:101 Resp: 13962

Ion	Ratio	Lower	Upper
101	100		
151	71.5	58.8	88.2

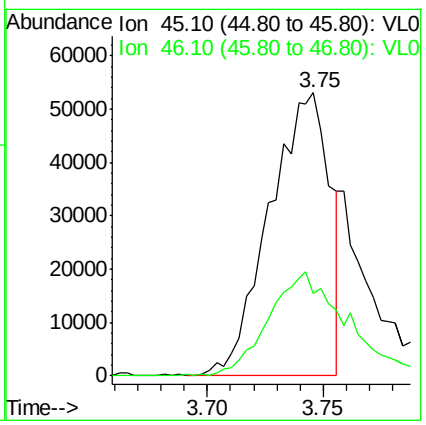


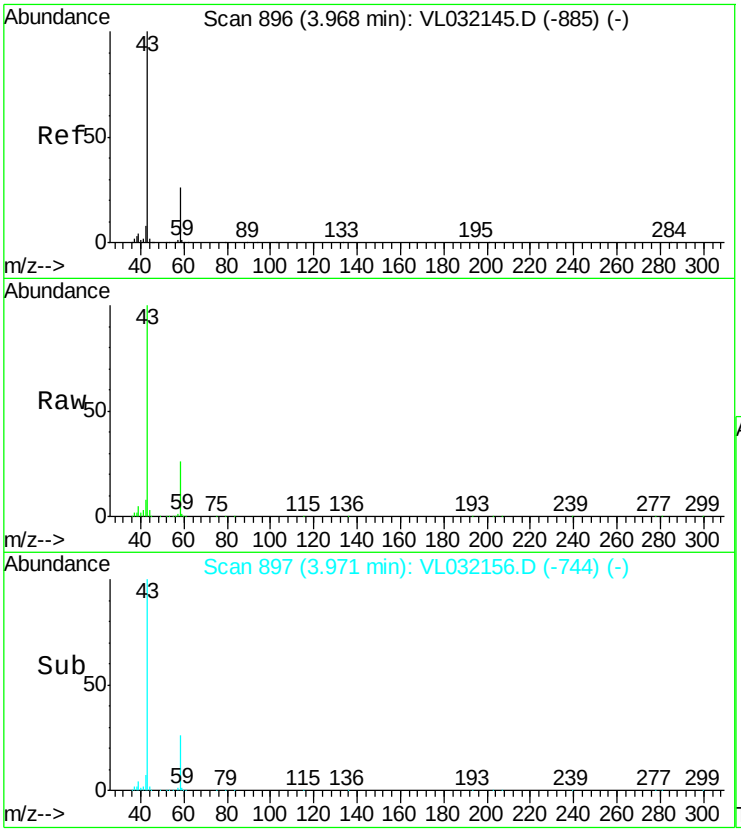


#13
Ethanol
Concen: 3.364 ppbv
RT: 3.75 min Scan# 827
Delta R.T. 0.02 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Tgt Ion: 45 Resp: 95863

Ion	Ratio	Lower	Upper
45	100		
46	50.3	14.6	58.4



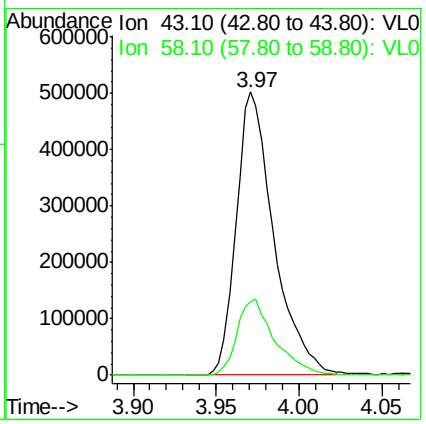


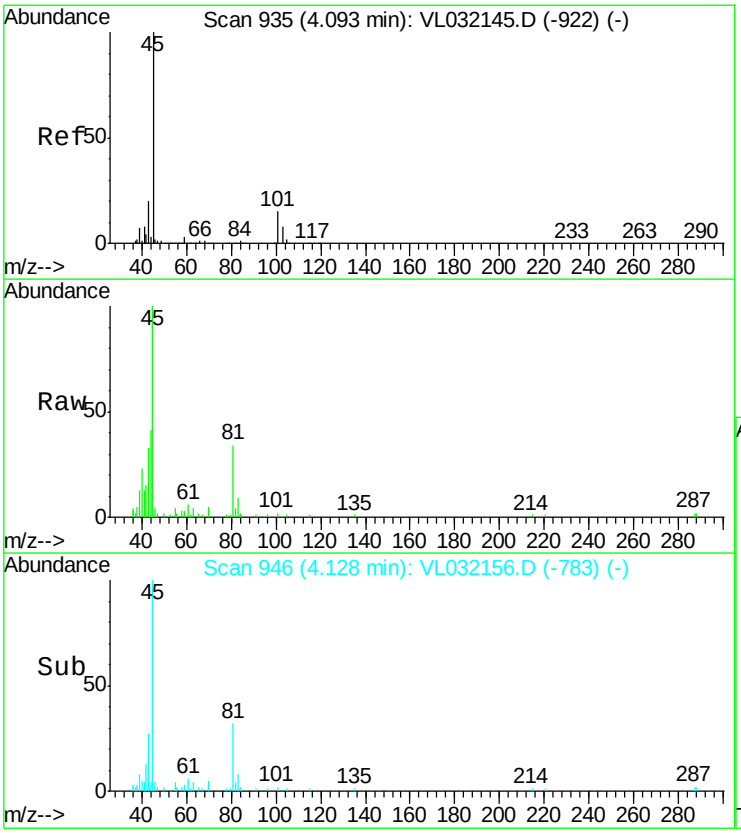
#15
Acetone
Concen: 4.091 ppbv
RT: 3.97 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-1

Tgt Ion: 43 Resp: 789725

Ion	Ratio	Lower	Upper
43	100		
58	27.1	21.4	32.0

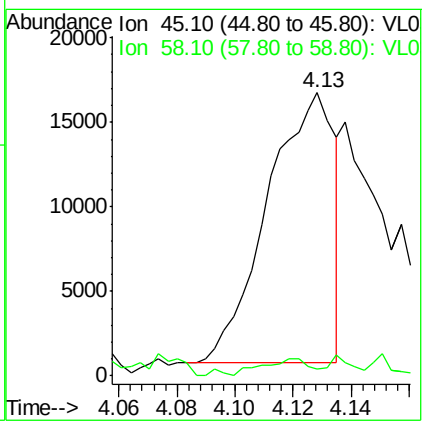


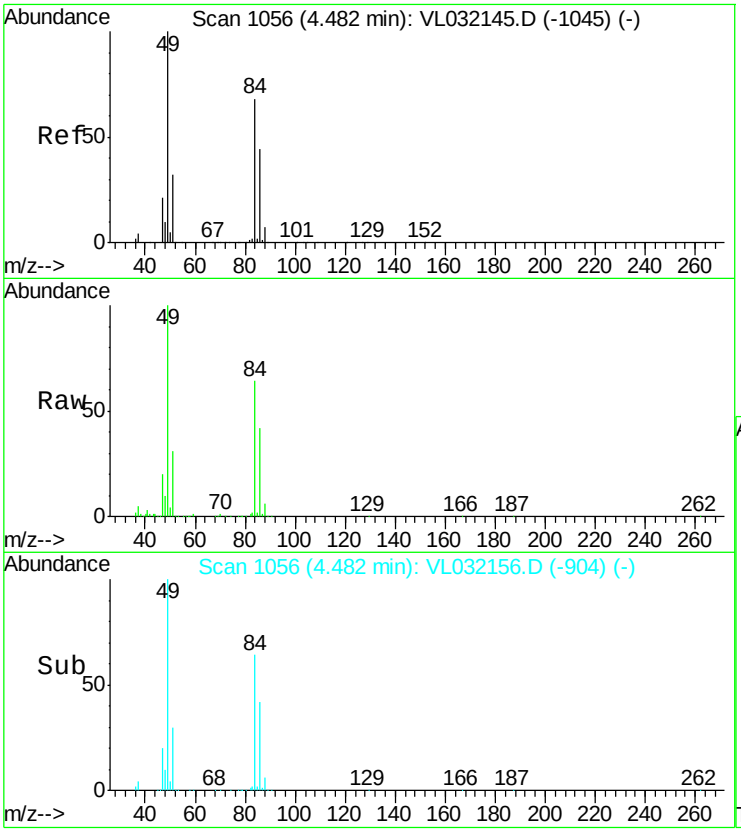


#19
Isopropyl Alcohol
Concen: 0.160 ppbv
RT: 4.13 min Scan# 946
Delta R.T. 0.03 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Tgt Ion: 45 Resp: 25589

Ion	Ratio	Lower	Upper
45	100		
58	0.0	29.4	44.0#



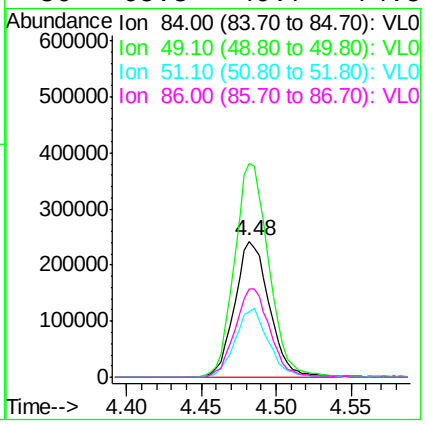


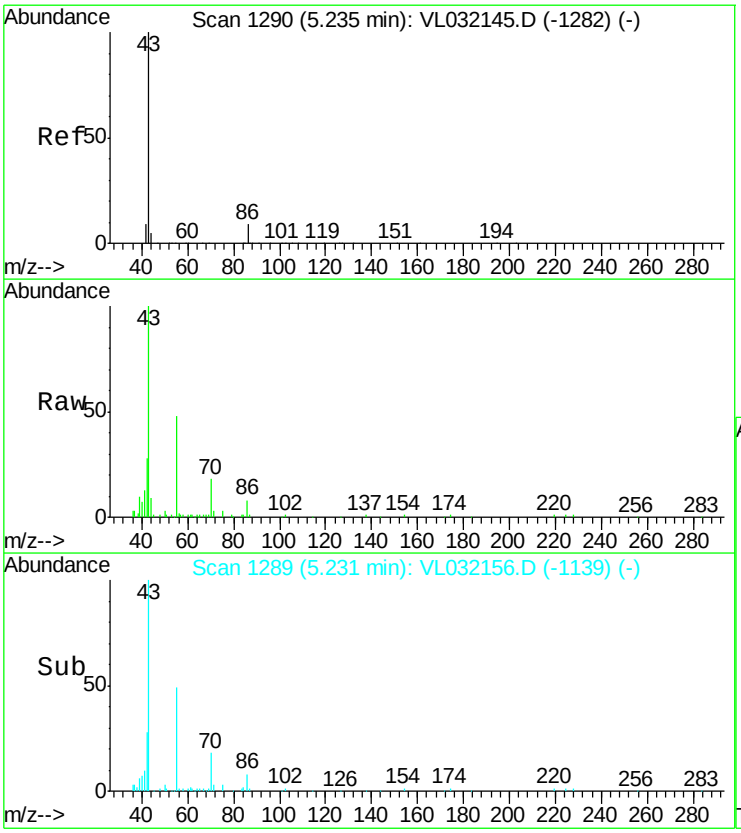
#20
Methylene Chloride
Concen: 5.556 ppbv
RT: 4.48 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-1

Tgt Ion: 84 Resp: 391884

Ion	Ratio	Lower	Upper
84	100		
49	157.1	119.6	179.4
51	48.2	36.3	54.5
86	65.3	49.7	74.5

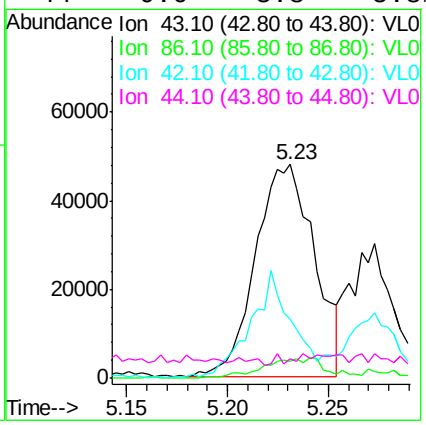


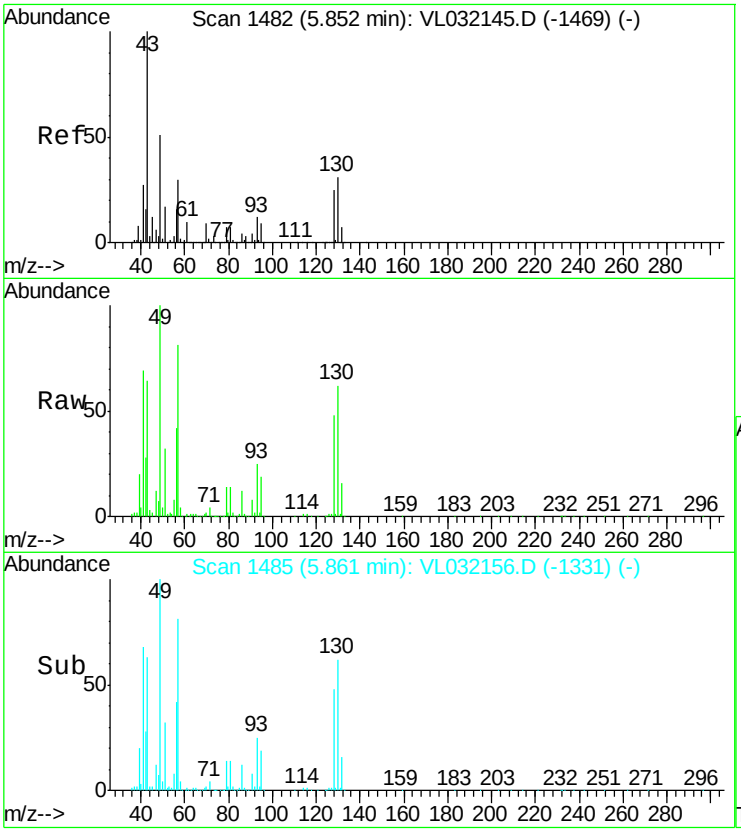


#23
Vinyl Acetate
Concen: 0.275 ppbv
RT: 5.23 min Scan# 1289
Delta R.T. -0.02 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Tgt Ion: 43 Resp: 96414

Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.2	9.4
42	27.2	6.9	10.3#
44	0.0	3.8	5.8#



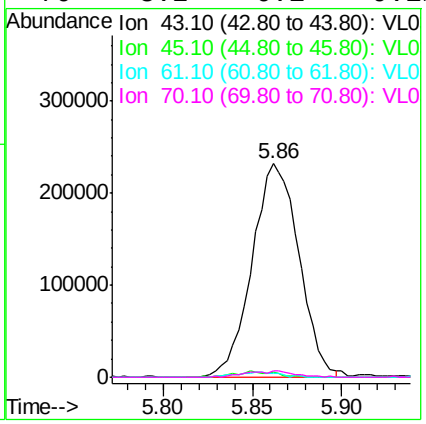


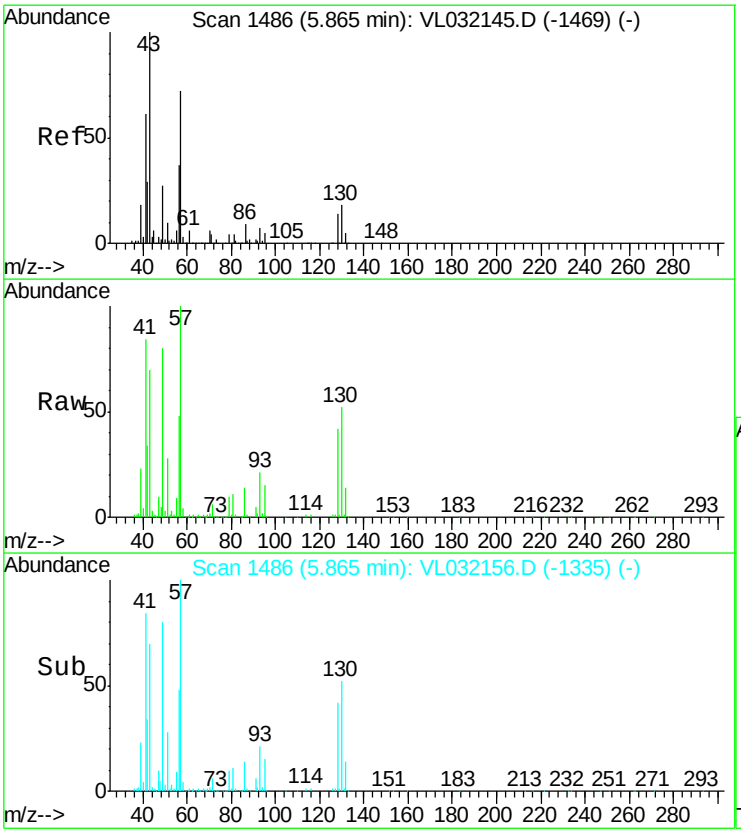
#25
Ethyl Acetate
Concen: 1.067 ppbv
RT: 5.86 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Instrument : MSVOA_L
ClientSampleId : OUTDOOR-1

Tgt Ion: 43 Resp: 425951

Ion	Ratio	Lower	Upper
43	100		
45	2.8	7.8	11.8#
61	2.3	7.4	11.0#
70	3.2	6.1	9.1#

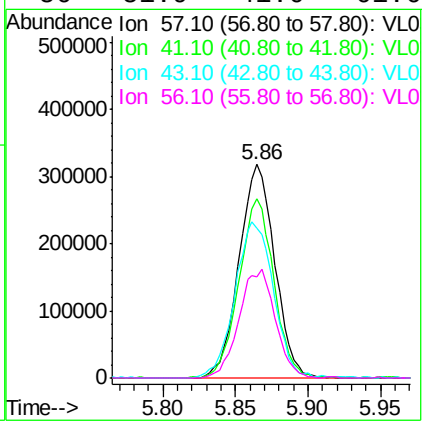


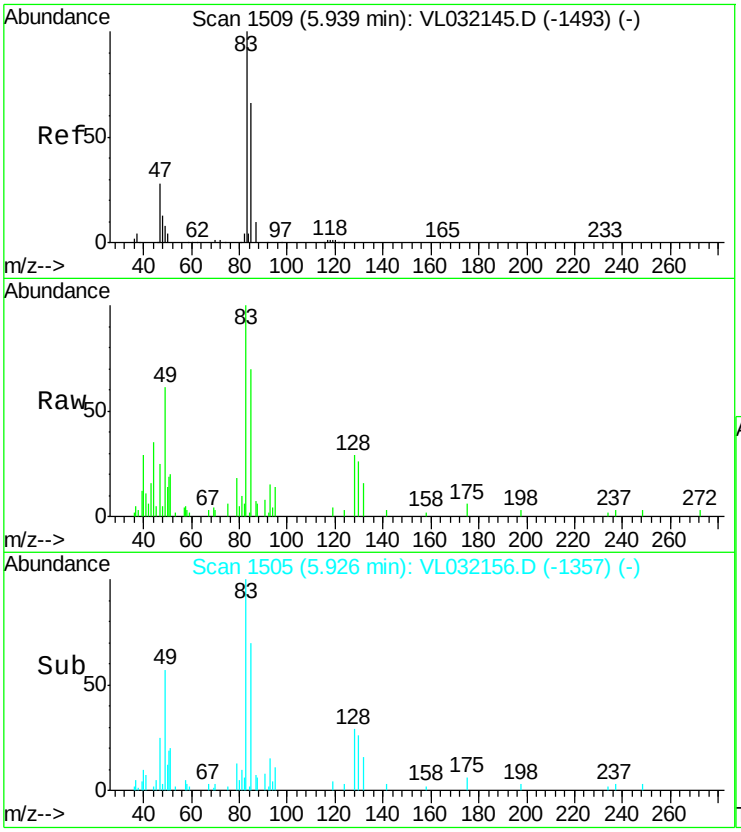


#26
Hexane
Concen: 2.958 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Tgt Ion: 57 Resp: 544051

Ion	Ratio	Lower	Upper
57	100		
41	82.7	68.6	103.0
43	79.1	168.6	252.8#
56	51.9	41.0	61.6



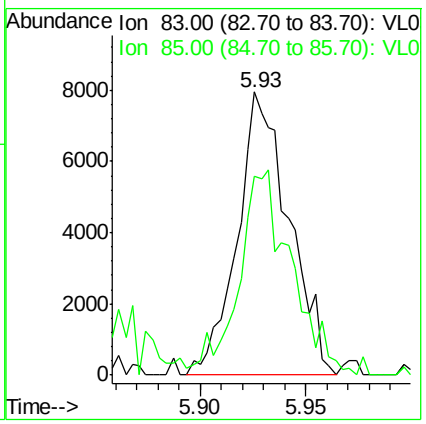


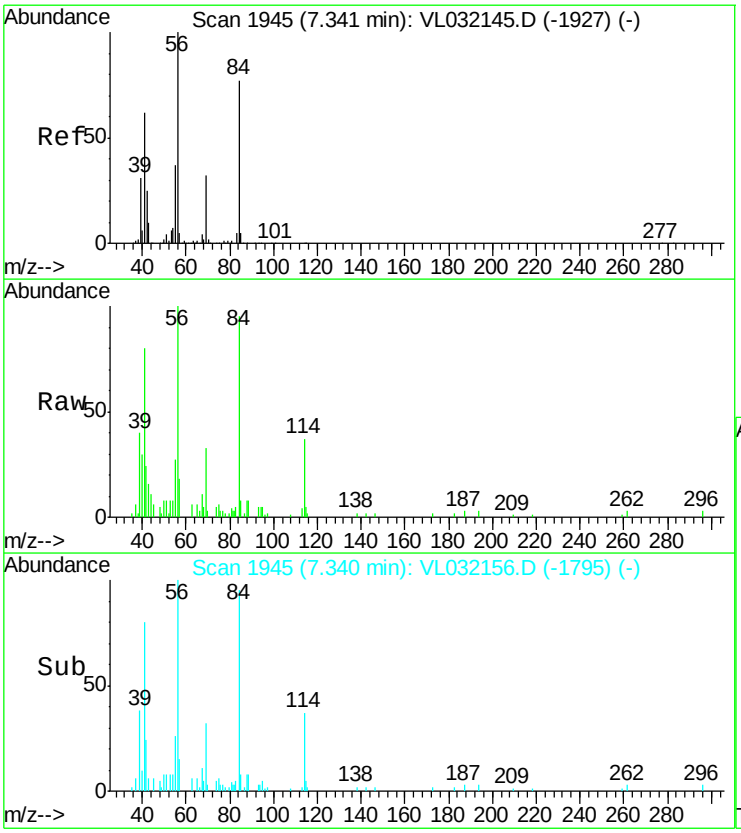
#29
Chloroform
Concen: 0.051 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. -0.02 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-1

Tgt Ion: 83 Resp: 13601

Ion	Ratio	Lower	Upper
83	100		
85	67.8	51.6	77.4

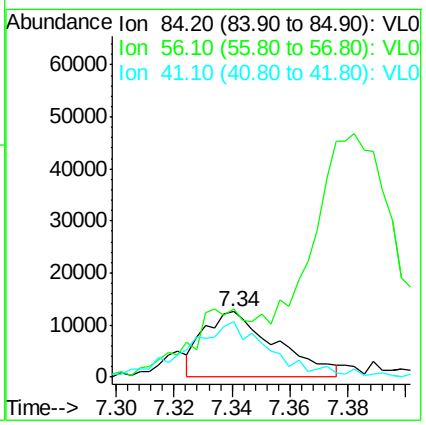


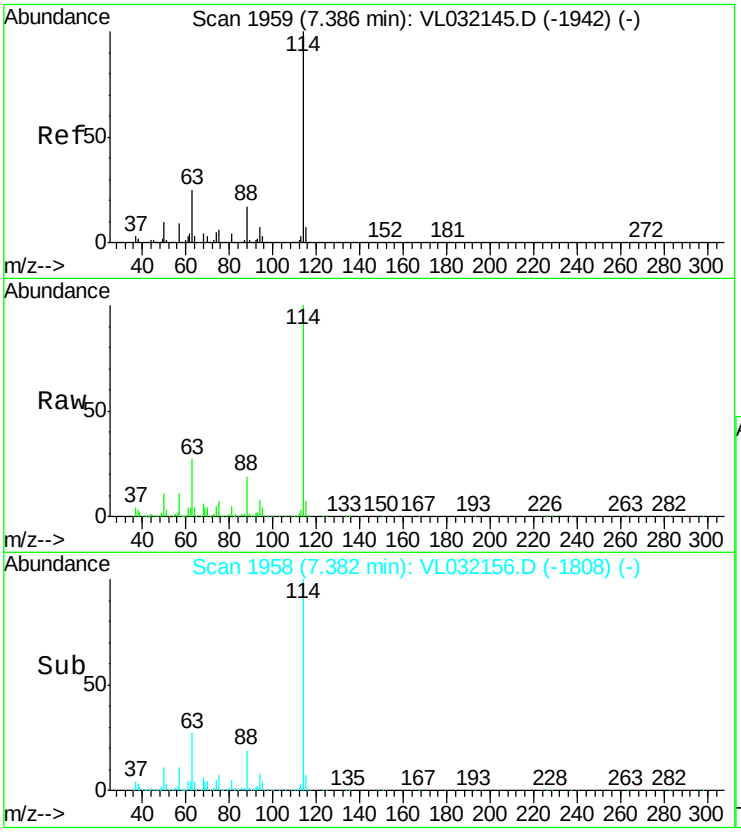


#30
Cyclohexane
Concen: 0.126 ppbv
RT: 7.34 min Scan# 1945
Delta R.T. -0.02 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Tgt Ion: 84 Resp: 21896

Ion	Ratio	Lower	Upper
84	100		
56	0.0	109.1	163.7#
41	93.3	64.6	96.8



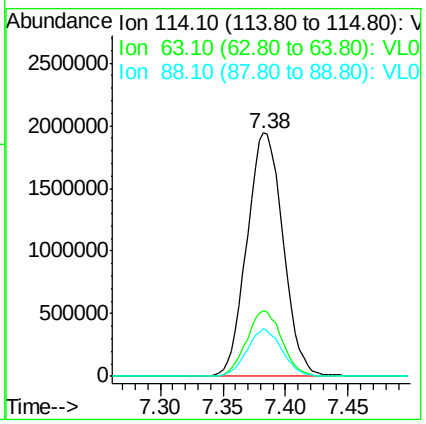


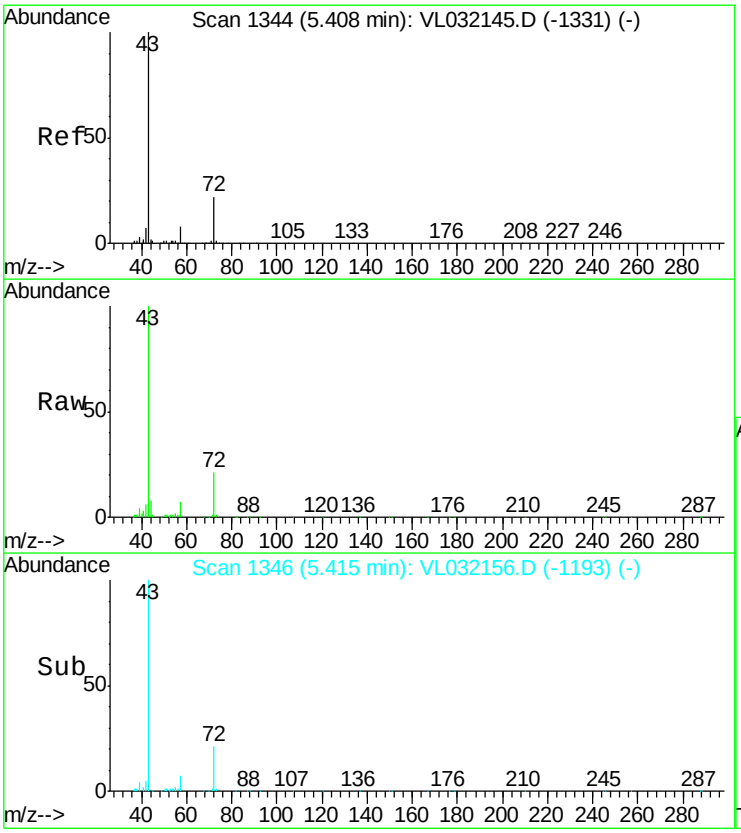
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.38 min Scan# 1958
Delta R.T. -0.02 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-1

Tgt Ion:114 Resp: 3901606

Ion	Ratio	Lower	Upper
114	100		
63	26.4	19.1	28.7
88	18.8	13.9	20.9

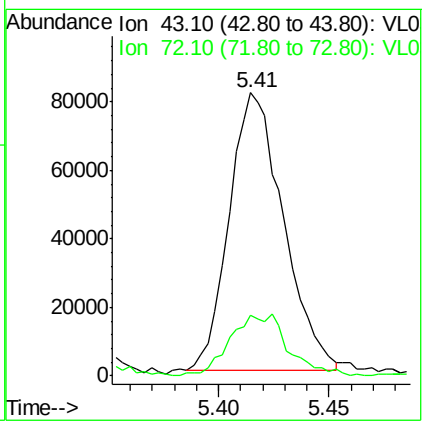


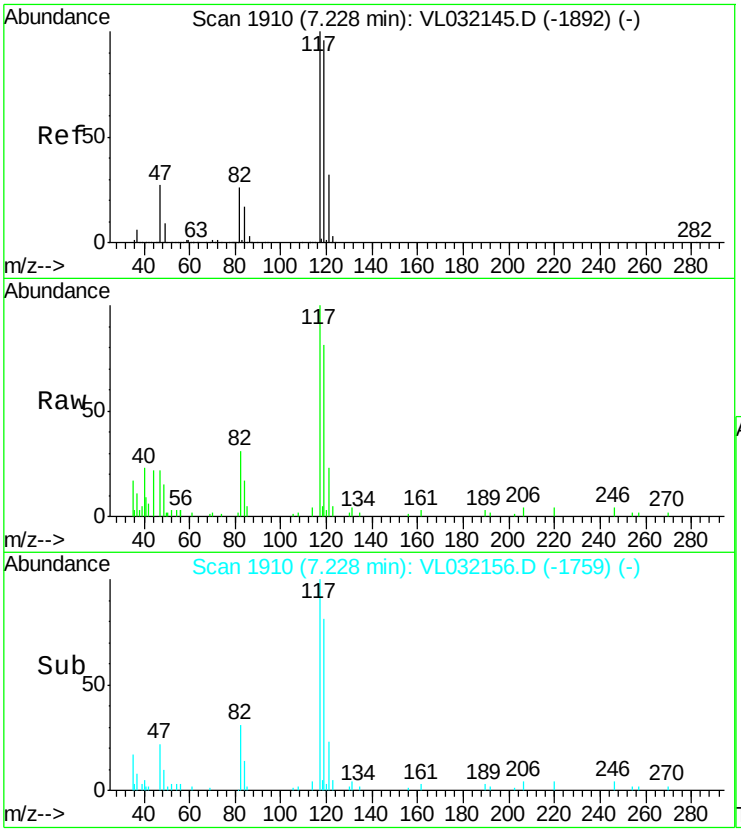


#34
2-Butanone
Concen: 0.558 ppbv
RT: 5.41 min Scan# 1346
Delta R.T. -0.01 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Tgt Ion: 43 Resp: 138122

Ion	Ratio	Lower	Upper
43	100		
72	23.9	18.4	27.6



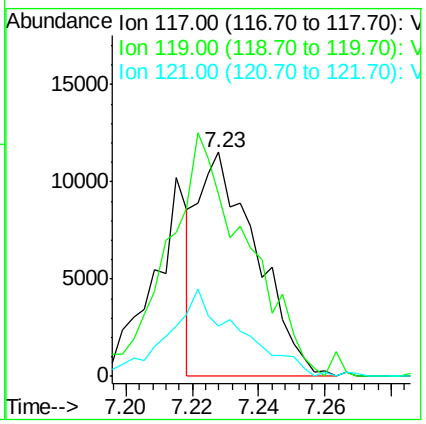


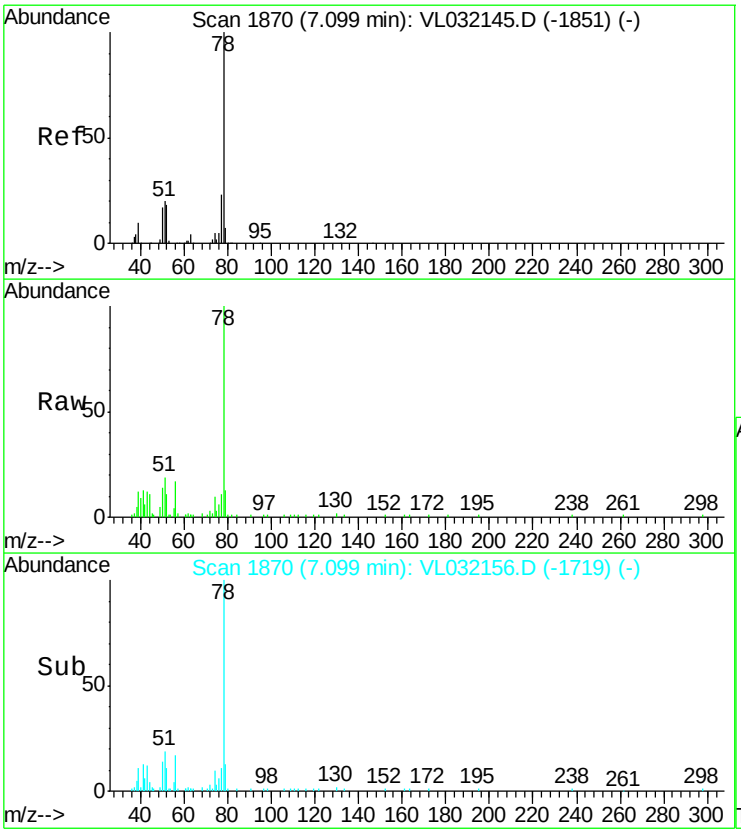
#35
Carbon Tetrachloride
Concen: 0.053 ppbv
RT: 7.23 min Scan# 1910
Delta R.T. -0.01 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-1

Tgt Ion:117 Resp: 14059

Ion	Ratio	Lower	Upper
117	100		
119	70.2	74.8	112.2#
121	22.6	24.0	36.0#

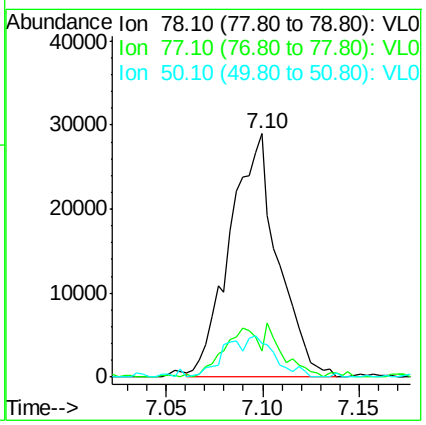


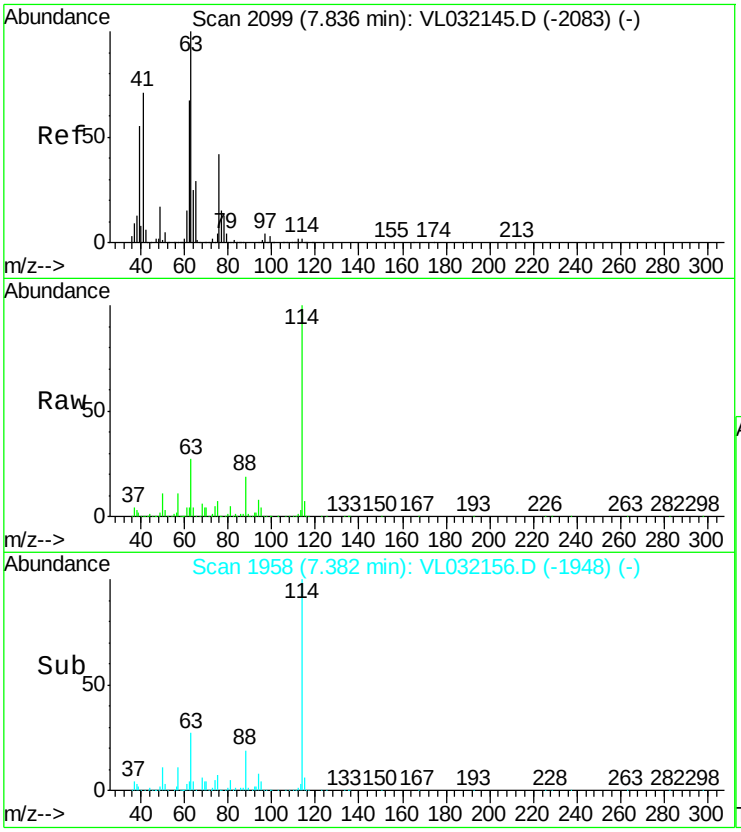


#36
Benzene
Concen: 0.133 ppbv
RT: 7.10 min Scan# 1870
Delta R.T. -0.01 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Tgt Ion: 78 Resp: 50048

Ion	Ratio	Lower	Upper
78	100		
77	9.4	17.7	26.5#
50	14.0	14.0	21.0



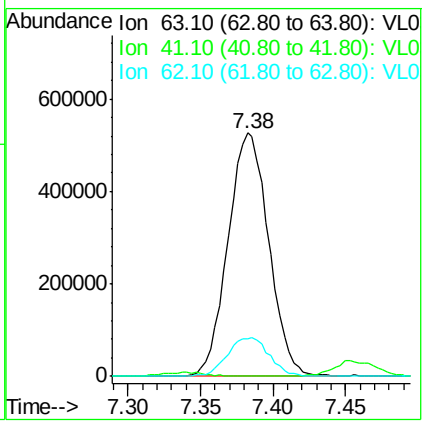


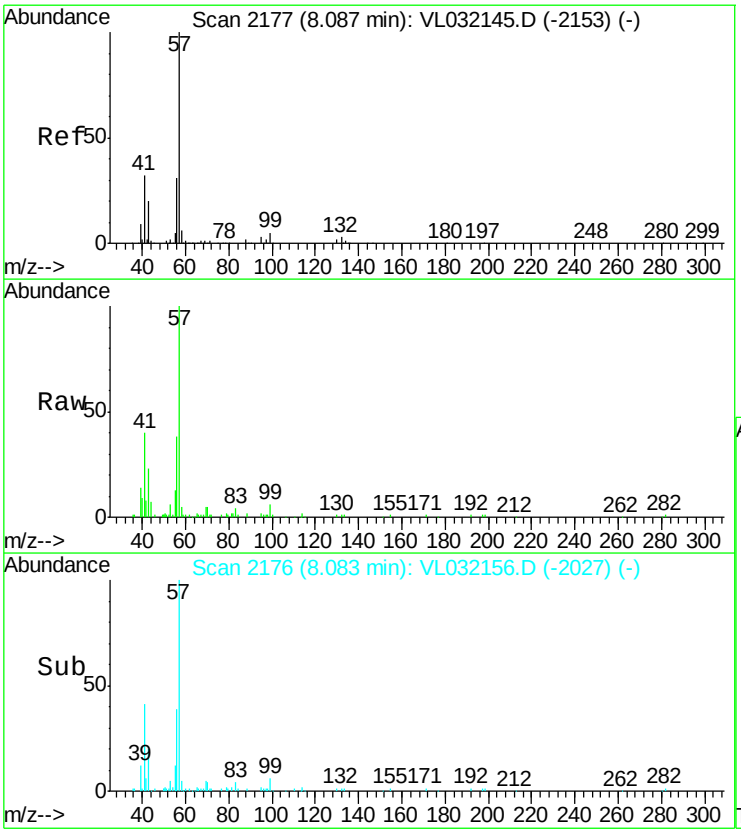
#39
1,2-Dichloropropane
Concen: 6.869 ppbv
RT: 7.38 min Scan# 1958
Delta R.T. -0.47 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-1

Tgt Ion: 63 Resp: 1023042

Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.3	79.9#
62	15.5	54.8	82.2#

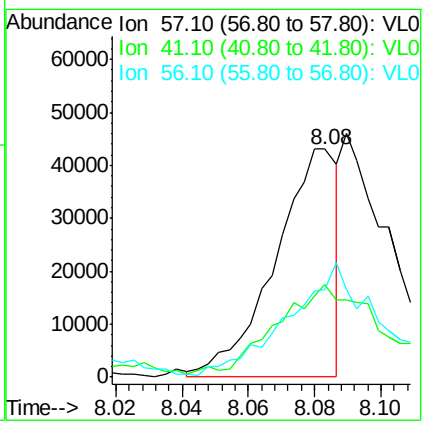


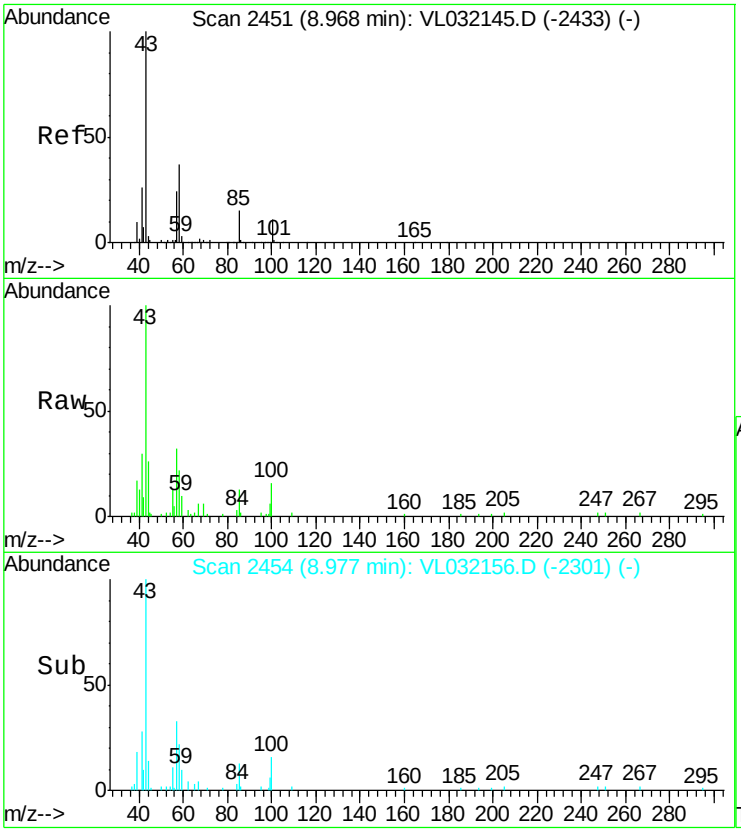


#44
2,2,4-Trimethylpentane
Concen: 0.084 ppbv
RT: 8.08 min Scan# 2176
Delta R.T. -0.02 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Tgt Ion: 57 Resp: 55672

Ion	Ratio	Lower	Upper
57	100		
41	69.6	24.3	36.5#
56	0.0	25.1	37.7#



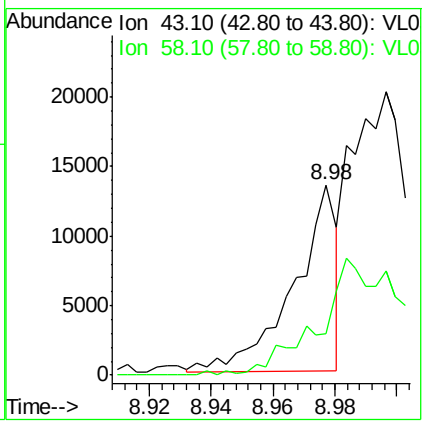


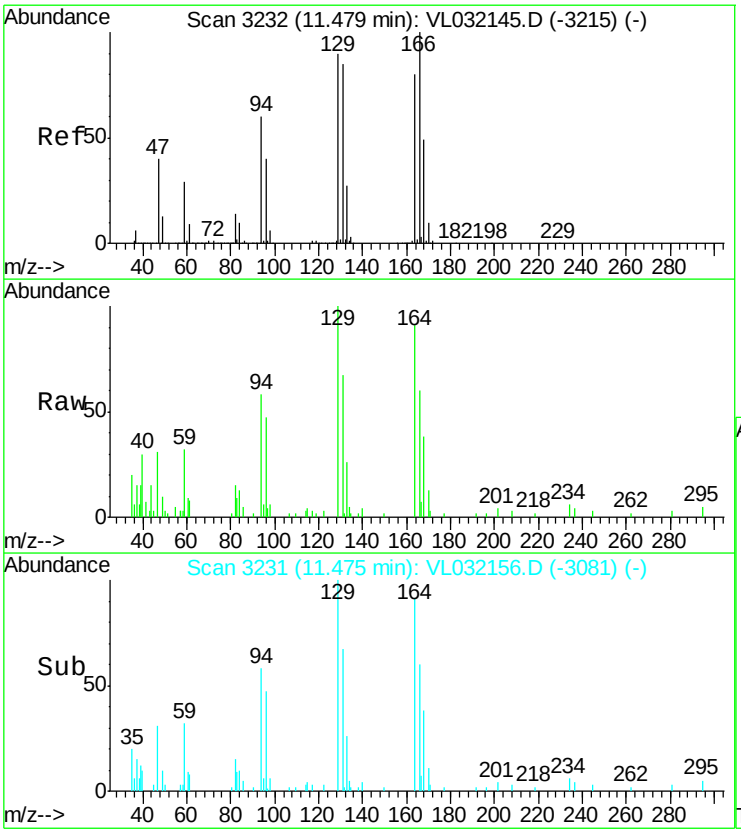
#50
4-Methyl-2-Pentanone
Concen: 0.032 ppbv
RT: 8.98 min Scan# 2454
Delta R.T. -0.01 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-1

Tgt Ion: 43 Resp: 12893

Ion	Ratio	Lower	Upper
43	100		
58	148.0	29.8	44.6#

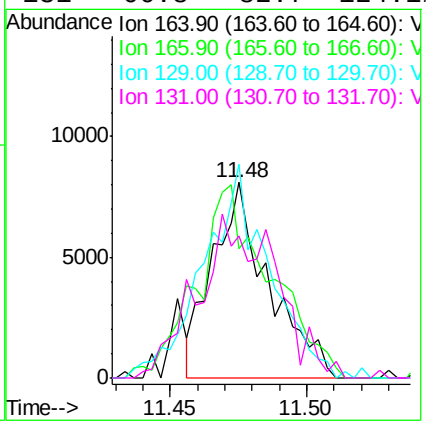


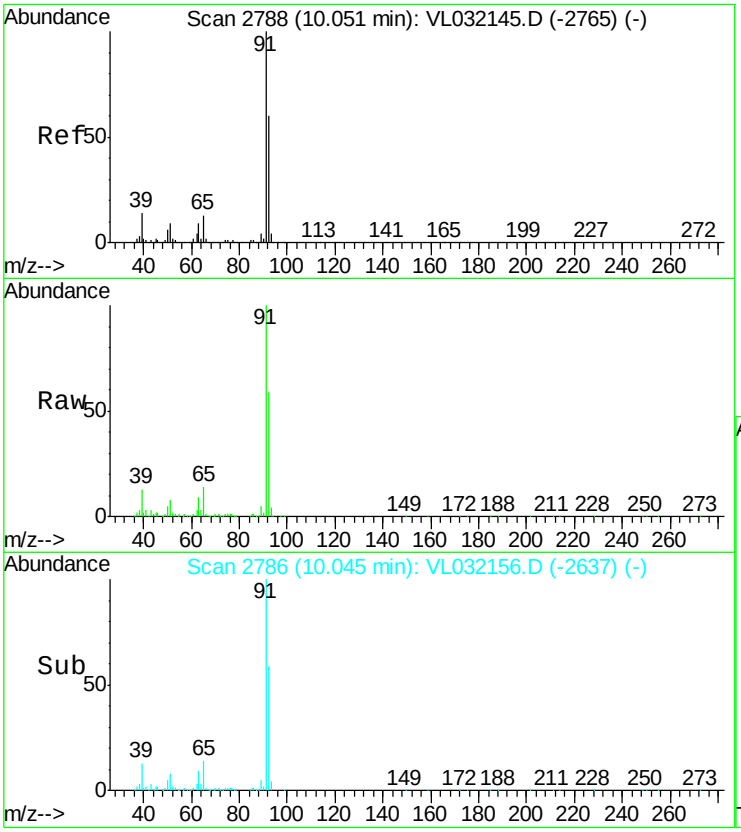


#52
Tetrachloroethene
Concen: 0.084 ppbv
RT: 11.48 min Scan# 3231
Delta R.T. -0.02 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Tgt Ion:164 Resp: 11588

Ion	Ratio	Lower	Upper
164	100		
166	67.7	100.6	151.0#
129	109.3	84.0	126.0
131	66.8	82.7	124.1#



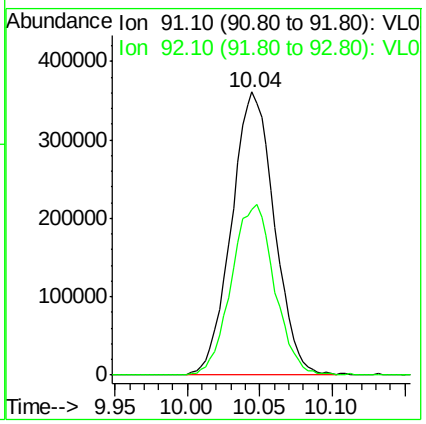


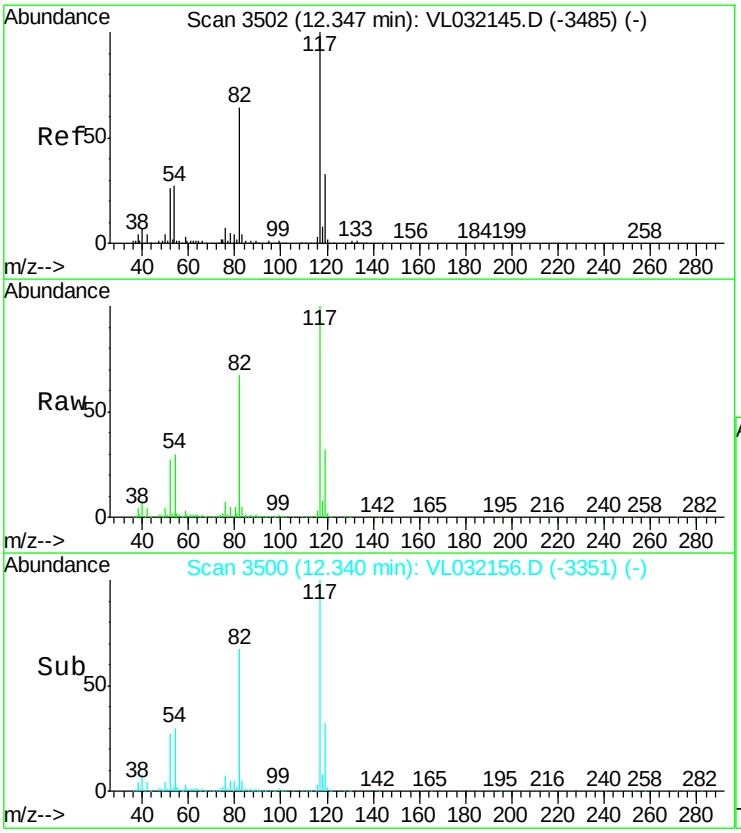
#53
Toluene
Concen: 1.613 ppbv
RT: 10.04 min Scan# 2786
Delta R.T. -0.02 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-1

Tgt Ion: 91 Resp: 736237

Ion	Ratio	Lower	Upper
91	100		
92	61.3	49.2	73.8

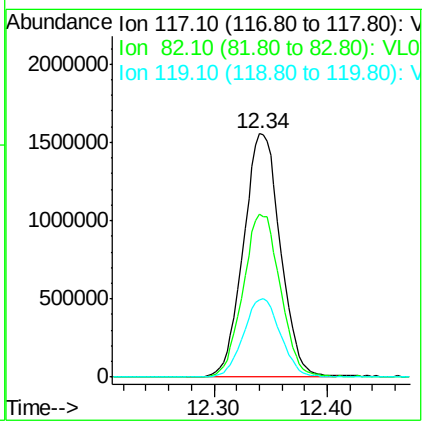


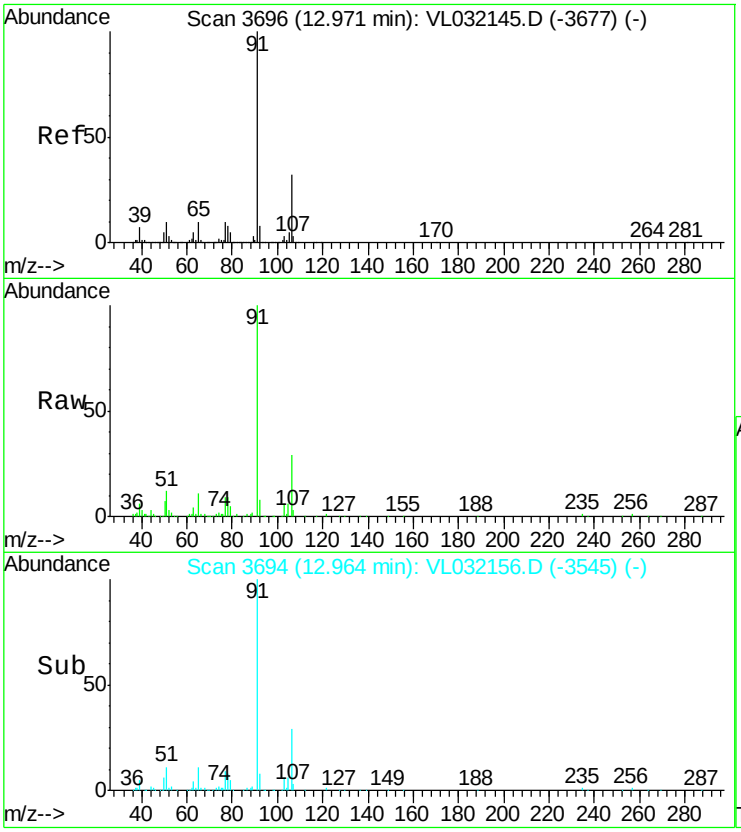


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.34 min Scan# 3500
Delta R.T. -0.02 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Tgt Ion:117 Resp: 3529657

Ion	Ratio	Lower	Upper
117	100		
82	67.5	47.8	71.8
119	32.5	43.3	64.9#



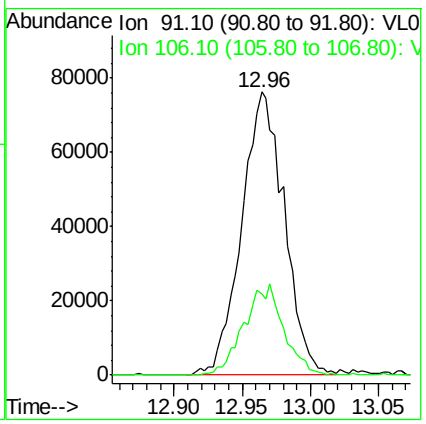


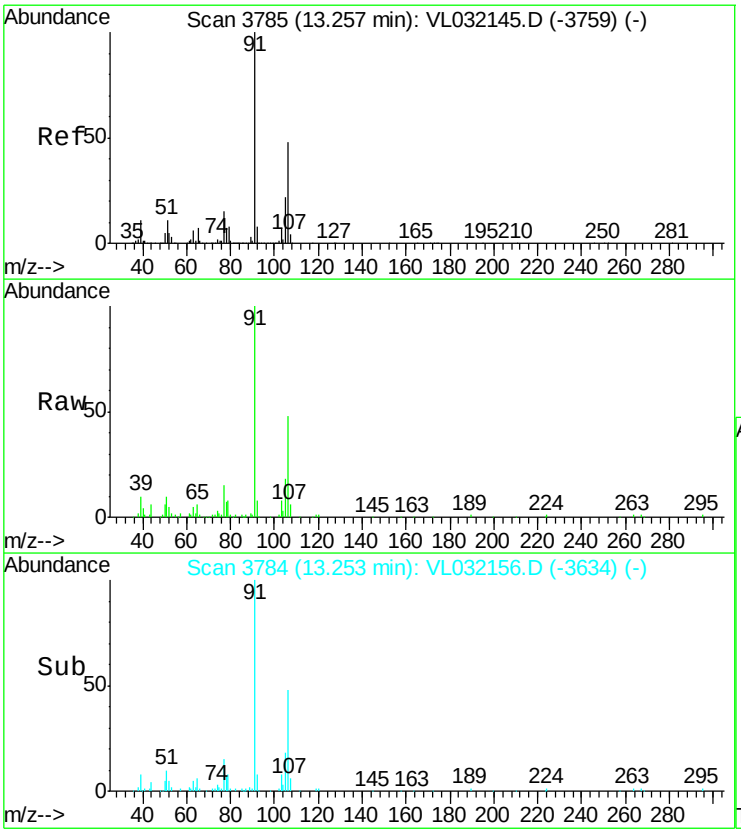
#58
Ethyl Benzene
Concen: 0.291 ppbv
RT: 12.96 min Scan# 3694
Delta R.T. -0.02 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-1

Tgt Ion: 91 Resp: 165618

Ion	Ratio	Lower	Upper
91	100		
106	28.7	26.5	39.7

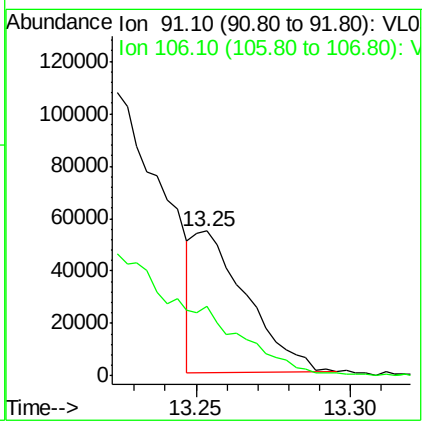


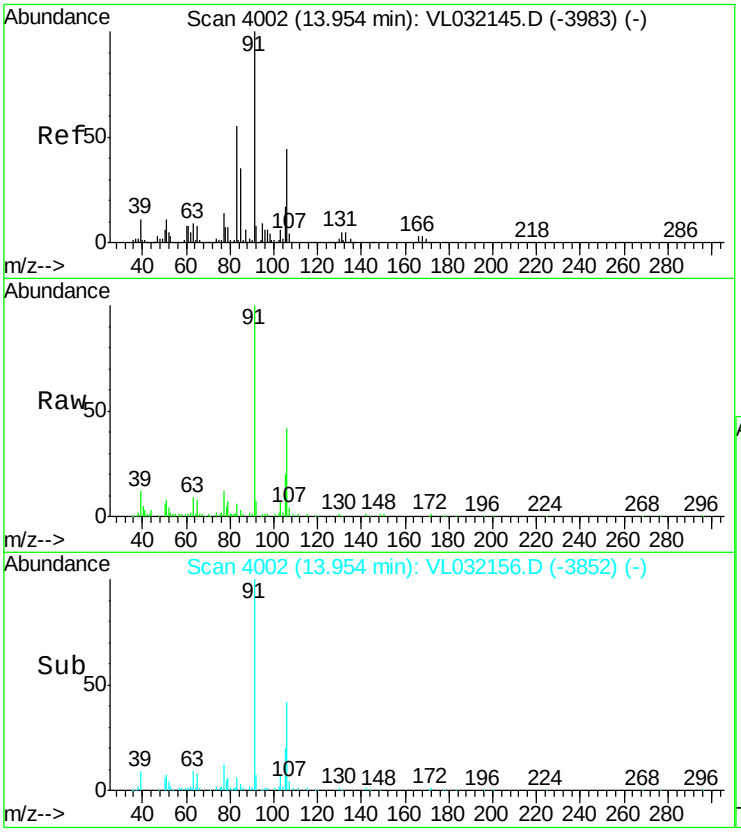


#59
m/p-Xylene
Concen: 0.142 ppbv
RT: 13.25 min Scan# 3784
Delta R.T. -0.02 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Tgt Ion: 91 Resp: 64652

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.6	58.0#



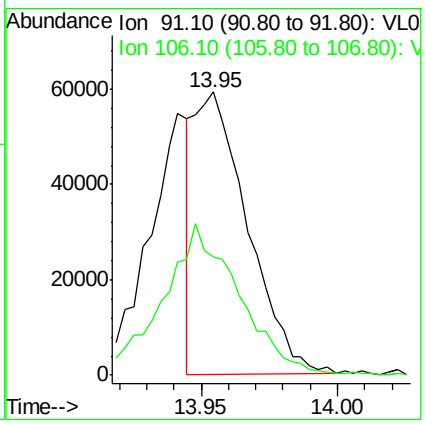


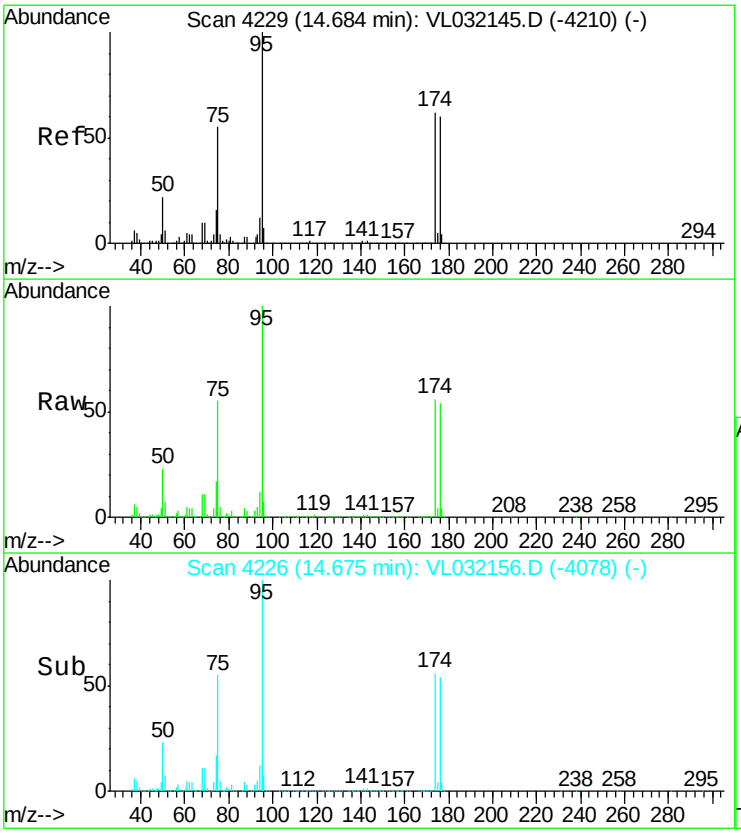
#60
o-Xylene
Concen: 0.175 ppbv
RT: 13.95 min Scan# 4002
Delta R.T. -0.02 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Instrument : MSVOA_L
ClientSampleId : OUTDOOR-1

Tgt Ion: 91 Resp: 79686

Ion	Ratio	Lower	Upper
91	100		
106	78.0	23.3	69.8#

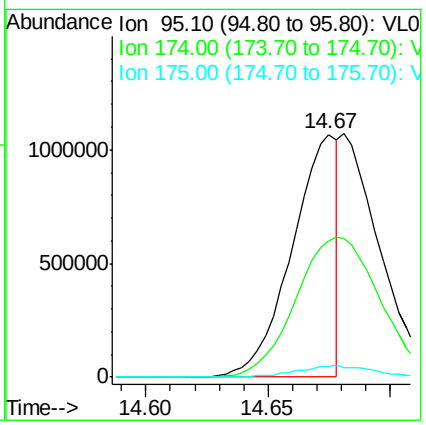


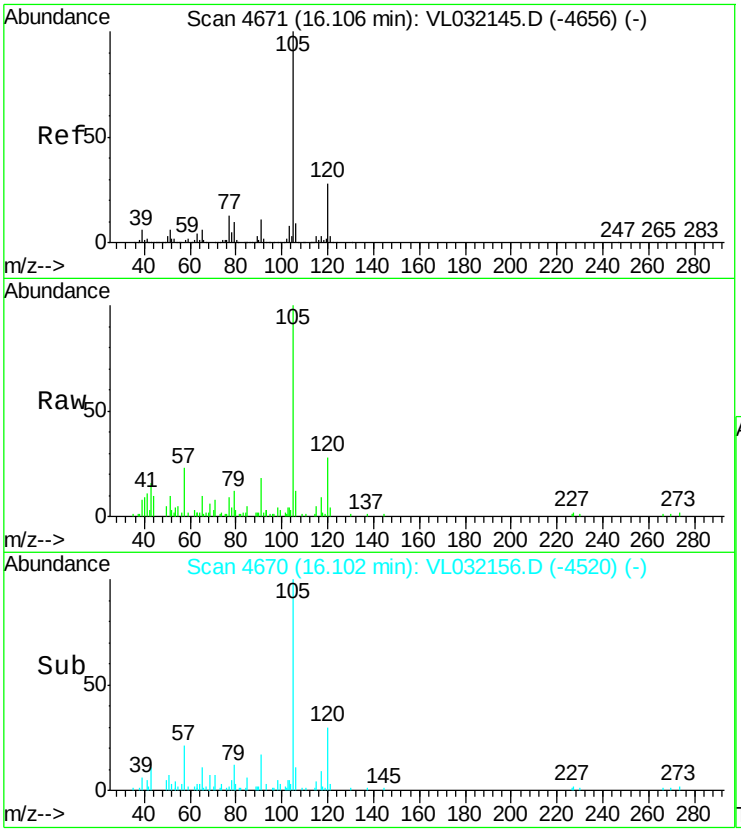


#68
1-Bromo-4-Fluorobenzene
Concen: 5.092 ppbv
RT: 14.67 min Scan# 4226
Delta R.T. -0.02 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Tgt Ion: 95 Resp: 1373792

Ion	Ratio	Lower	Upper
95	100		
174	0.0	52.1	78.1#
175	0.0	4.0	6.0#



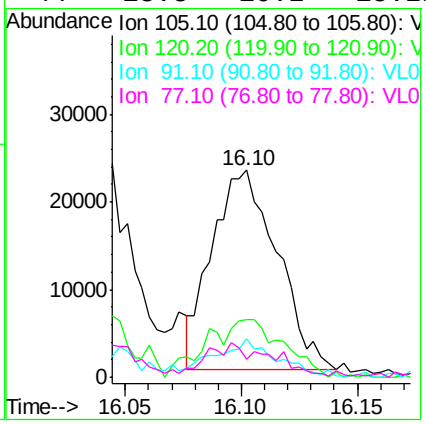


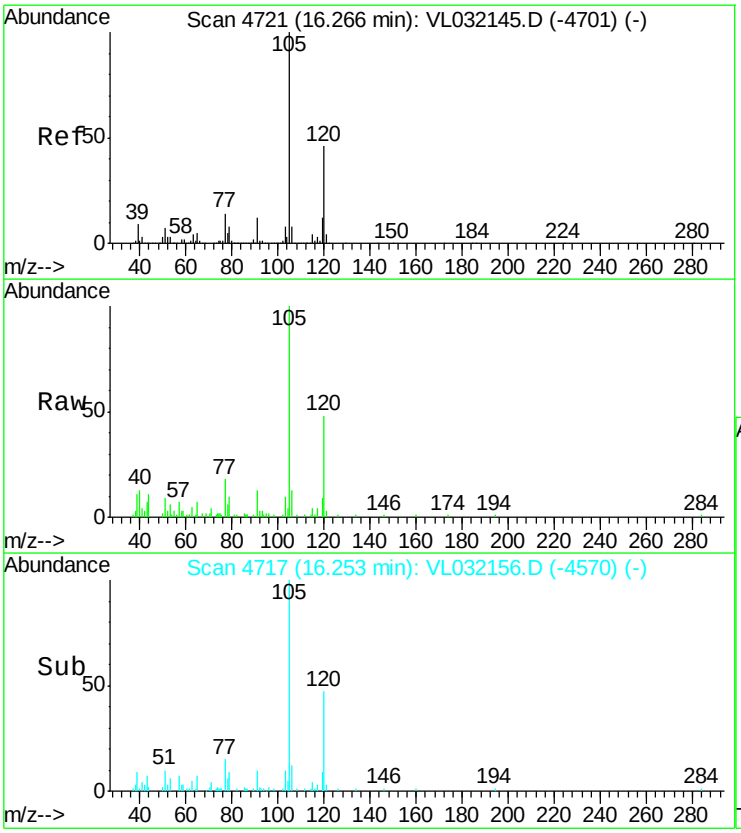
#72
4-Ethyltoluene
Concen: 0.076 ppbv
RT: 16.10 min Scan# 4670
Delta R.T. -0.02 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-1

Tgt Ion:105 Resp: 44349

Ion	Ratio	Lower	Upper
105	100		
120	34.3	24.3	36.5
91	17.6	9.4	14.0#
77	18.8	10.2	15.2#

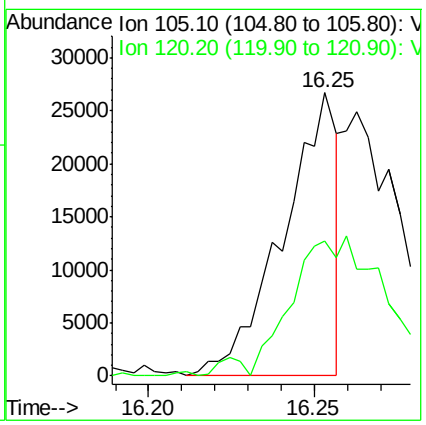


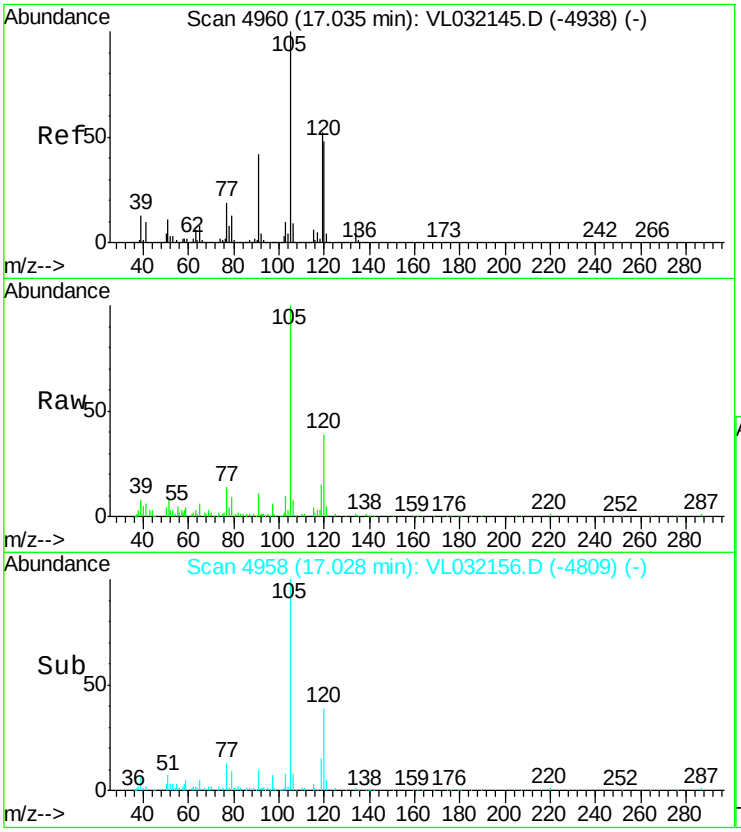


#73
1,3,5-Trimethylbenzene
Concen: 0.055 ppbv
RT: 16.25 min Scan# 4717
Delta R.T. -0.03 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Tgt Ion:105 Resp: 30341

Ion	Ratio	Lower	Upper
105	100		
120	49.0	38.6	57.8



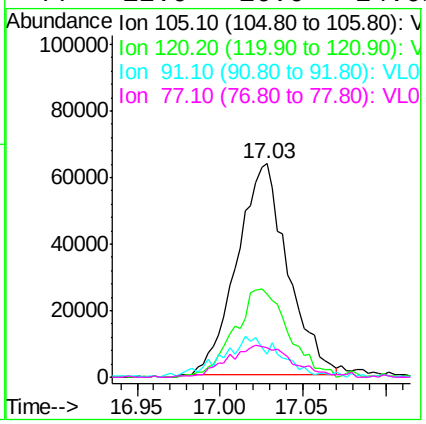


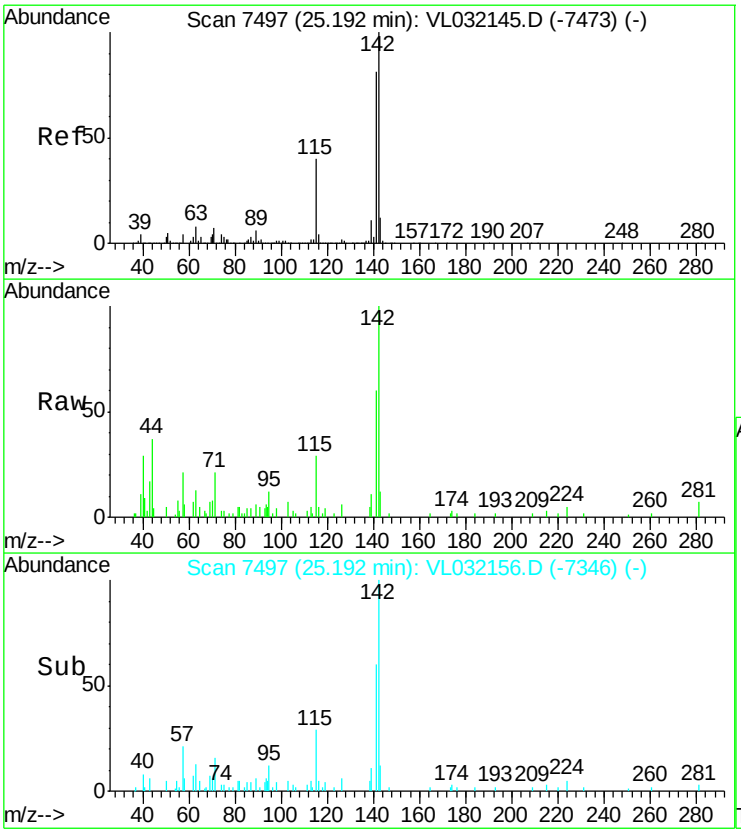
#74
1,2,4-Trimethylbenzene
Concen: 0.244 ppbv
RT: 17.03 min Scan# 4958
Delta R.T. -0.02 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-1

Tgt Ion:105 Resp: 136209

Ion	Ratio	Lower	Upper
105	100		
120	39.1	38.8	58.2
91	8.8	33.6	50.4#
77	12.9	16.0	24.0#





#80
Naphthalene,2-methyl-
Concen: 0.115 ppbv
RT: 25.19 min Scan# 7497
Delta R.T. -0.01 min
Lab File: VL032156.D
Acq: 30 Jun 2018 5:15

Tgt Ion:142 Resp: 21055

Ion	Ratio	Lower	Upper
142	100		
141	88.2	65.8	98.6
115	33.9	29.4	44.0