Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101818\

Quantitation Report (Not Reviewed)

Data File : VL032667.D
Acq On : 19 Oct 2018 3:45
Operator : SY/AP
Sample : J5578-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-1

Quant Time: Oct 19 07:56:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.78	49	1338010	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.31	114	3427851	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3358916	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2513159	10.05	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.09	85	120172	0.882	ppbv		98
3) Chlorodifluoromethane	3.03	51	49130	0.470	ppbv	#	92
4) Chloromethane	3.18	50	83337	1.425	ppbv		95
6) Bromomethane	3.52	94	953	0.024	ppbv		84
7) Chloroethane	3.61	64	594	0.025	ppbv	#	88
8) Dichlorotetrafluoroethane	3.23	85	5048	0.035	ppbv		85
9) Propene	3.06	41	13126	0.305	ppbv	#	15
10) Heptane	8.26	43	13416	0.081	ppbv	#	26
11) Trichlorofluoromethane	4.02	101	849768	4.772	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.57	101	9798	0.066	ppbv	#	70
13) Ethanol	3.66	45	176665	14.354	ppbv		99
15) Acetone	3.91	43	624832	5.057	ppbv		99
19) Isopropyl Alcohol	4.05	45	70873	0.805	ppbv	#	93
20) Methylene Chloride	4.42	84	84464	1.347	ppbv		96
21) Allyl Chloride	4.42	41	2333	0.023	ppbv	#	21
23) Vinyl Acetate	5.16	43	70760	0.323	ppbv	#	86
25) Ethyl Acetate	5.79	43	115128	0.405	ppbv		97
26) Hexane	5.80	57	72813	0.541	ppbv	#	76
29) Chloroform	5.86	83	10043	0.047	ppbv	#	82
34) 2-Butanone	5.35	43	72494	0.395	ppbv	#	52
35) Carbon Tetrachloride	7.15	117	9306	0.038	ppbv		90
36) Benzene	7.02	78	19316	0.069	ppbv		94
39) 1,2-Dichloropropane	7.31	63	866009	8.057	ppbv	#	25
53) Toluene	9.97	91	624768	1.958	ppbv		99
59) m/p-Xylene	13.16	91	8438	0.024	ppbv	#	31
60) o-Xylene	13.86	91	14173	0.042	ppbv	#	32
61) Styrene	13.69	104	5805	0.026	ppbv	#	27
64) n-propylbenzene	15.73	120	3893	0.033	ppbv	#	1
72) 4-Ethyltoluene	16.02	105	73945	0.207	ppbv	#	93
73) 1,3,5-Trimethylbenzene	16.17	105	70206	0.202	ppbv	#	84
74) 1,2,4-Trimethylbenzene	16.94	105	264070	0.711	ppbv	#	80
80) Naphthalene,2-methyl-	25.15	142	2004	0.036	ppbv	#	69

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

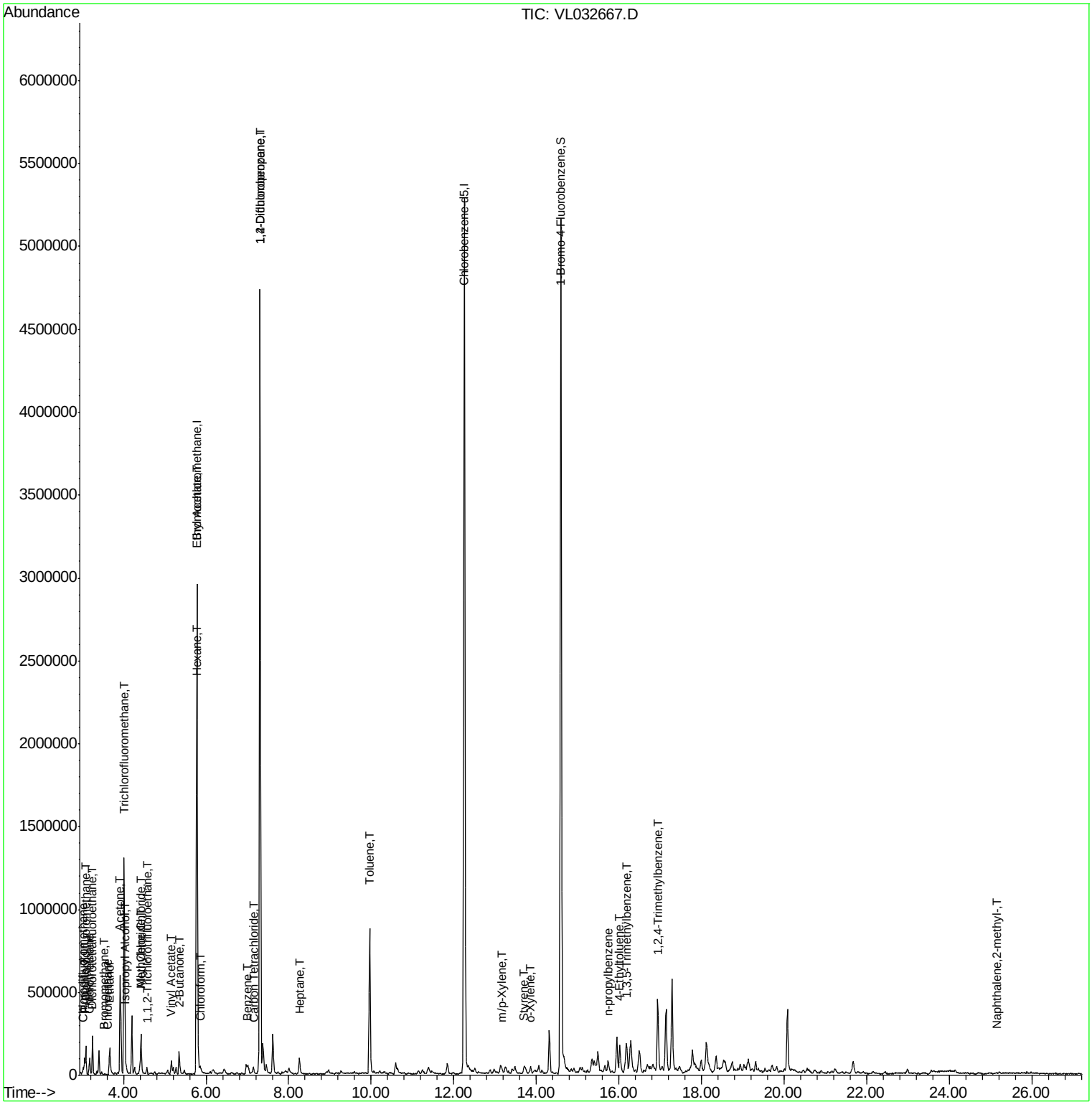
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101818\

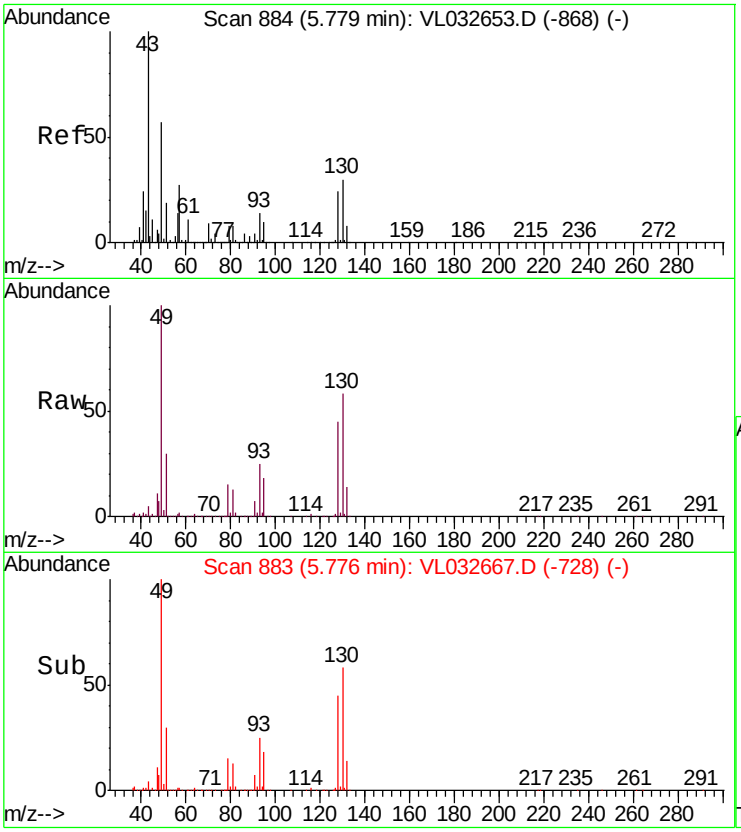
Quantitation Report (Not Reviewed)

Data File : VL032667.D
Acq On : 19 Oct 2018 3:45
Operator : SY/AP
Sample : J5578-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-1

Quant Time: Oct 19 07:56:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration



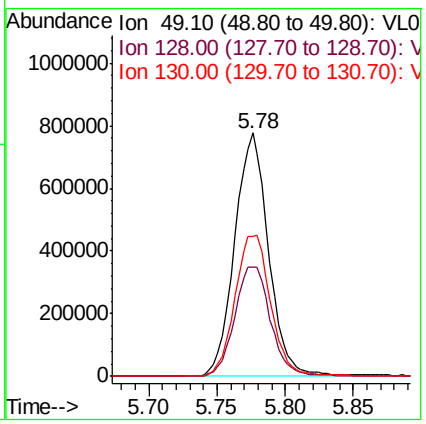


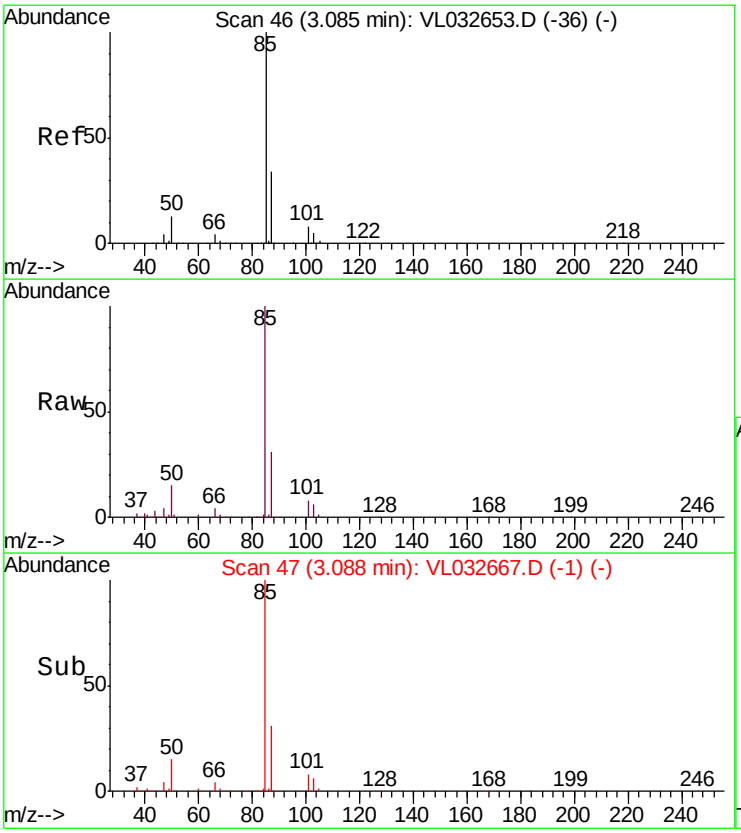
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 49 Resp: 1338010

Ion	Ratio	Lower	Upper
49	100		
128	48.0	22.3	66.8
130	61.9	28.4	85.3

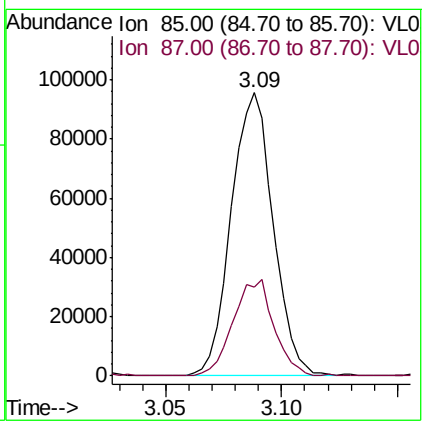


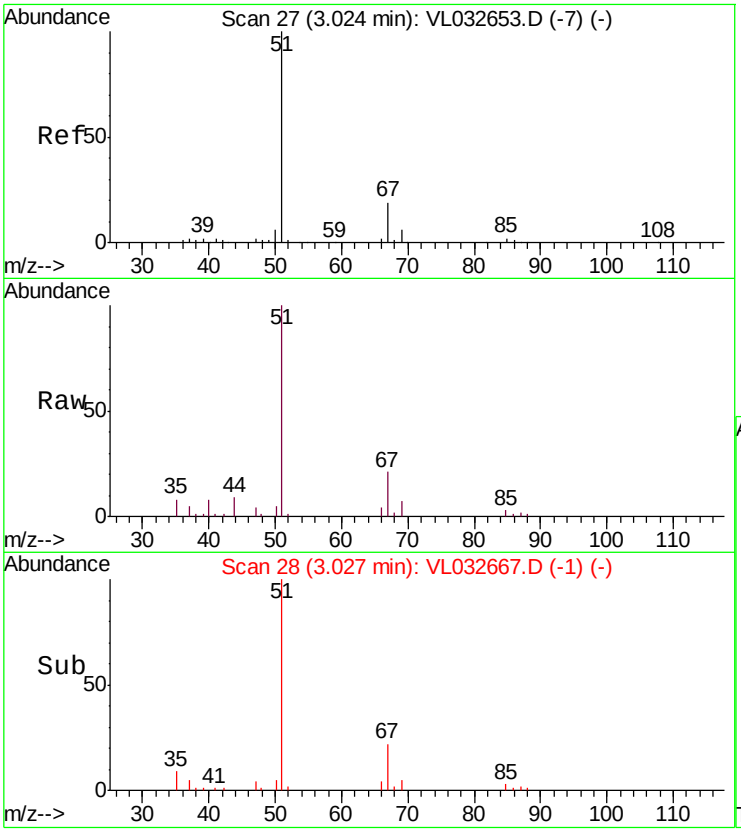


#2
Dichlorodifluoromethane
Concen: 0.882 ppbv
RT: 3.09 min Scan# 47
Delta R.T. 0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion: 85 Resp: 120172

Ion	Ratio	Lower	Upper
85	100		
87	31.4	26.2	39.2



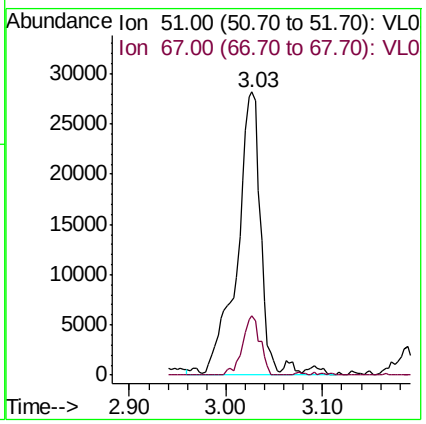


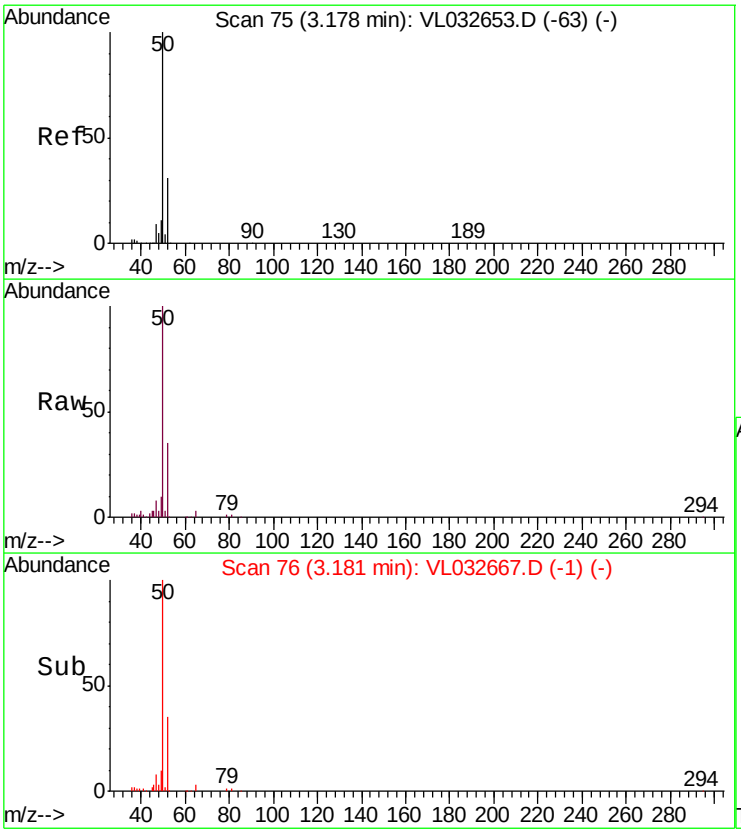
#3
Chlorodifluoromethane
Concen: 0.470 ppbv
RT: 3.03 min Scan# 28
Delta R.T. 0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 51 Resp: 49130

Ion	Ratio	Lower	Upper
51	100		
67	15.2	15.2	22.8#

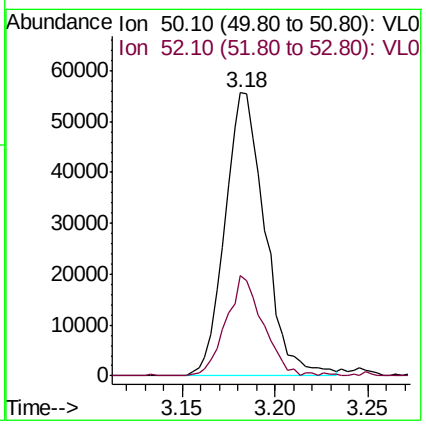


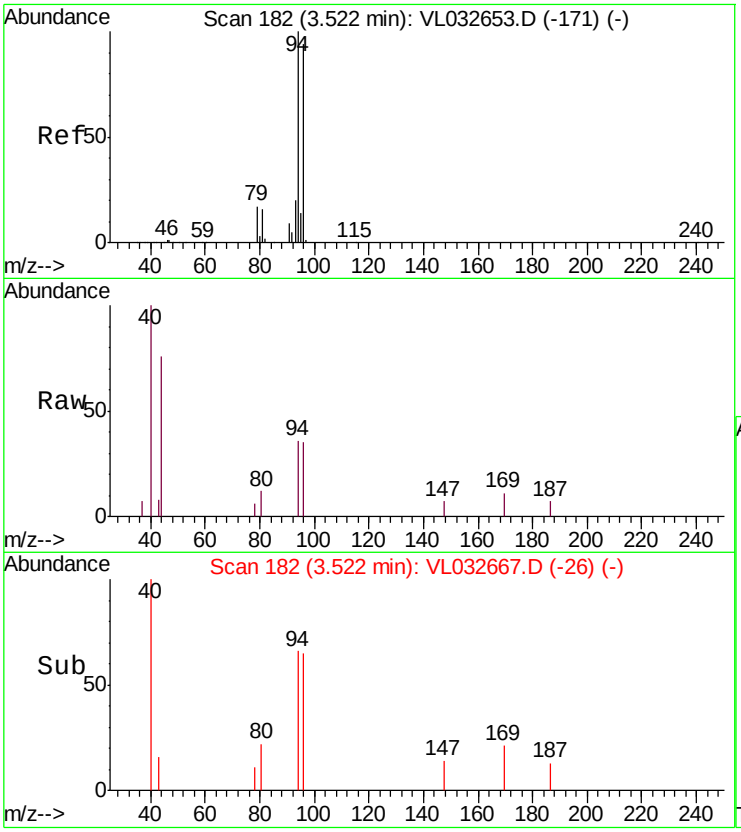


#4
Chloromethane
Concen: 1.425 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion: 50 Resp: 83337

Ion	Ratio	Lower	Upper
50	100		
52	35.3	25.9	38.9



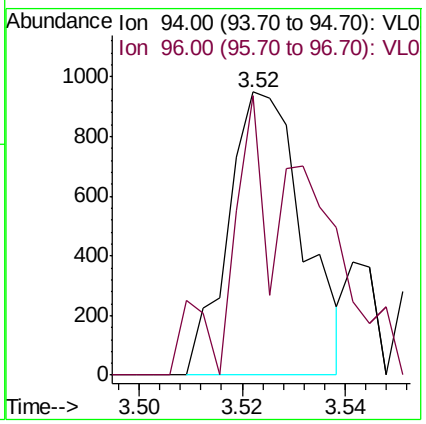


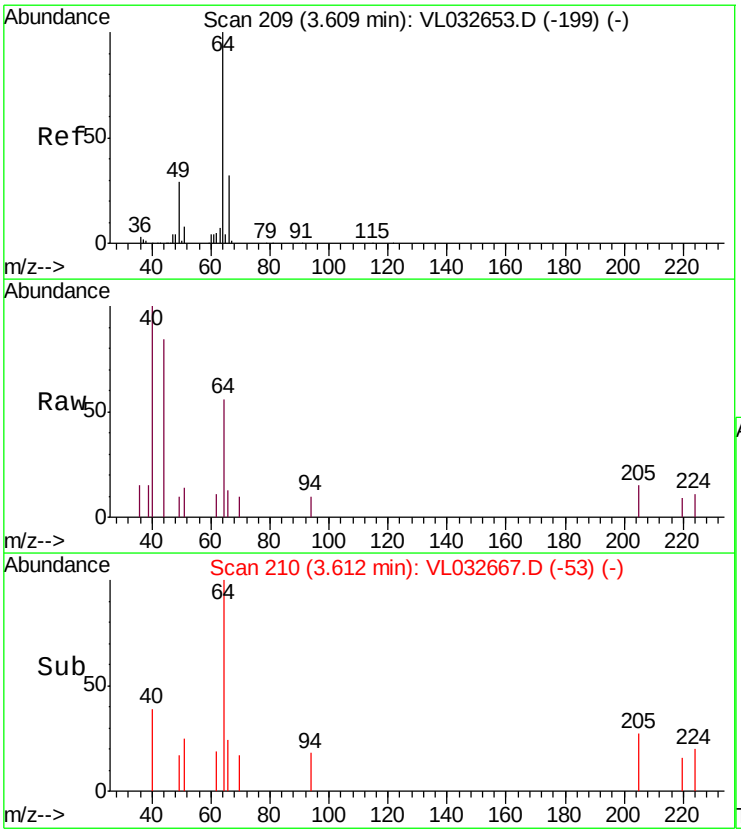
#6
Bromomethane
Concen: 0.024 ppbv
RT: 3.52 min Scan# 182
Delta R.T. 0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 94 Resp: 953

Ion	Ratio	Lower	Upper
94	100		
96	72.5	69.8	104.8

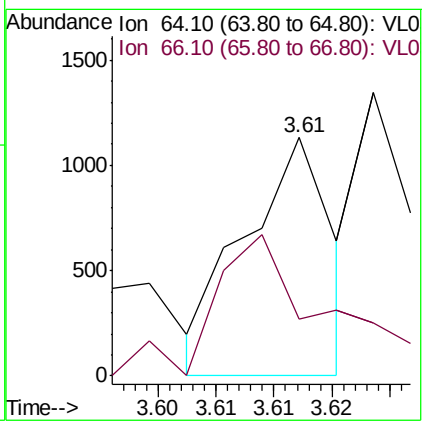


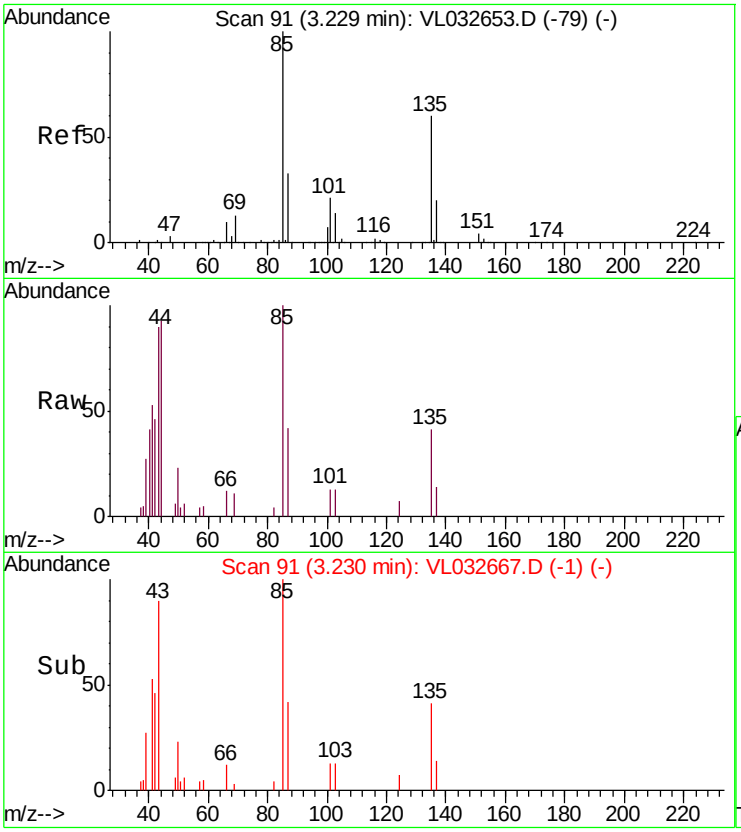


#7
Chloroethane
Concen: 0.025 ppbv
RT: 3.61 min Scan# 210
Delta R.T. 0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion: 64 Resp: 594

Ion	Ratio	Lower	Upper
64	100		
66	23.9	24.4	36.6#



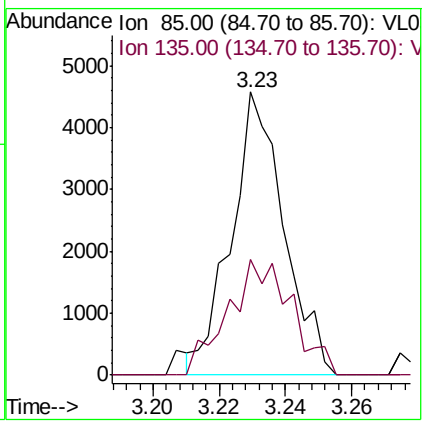


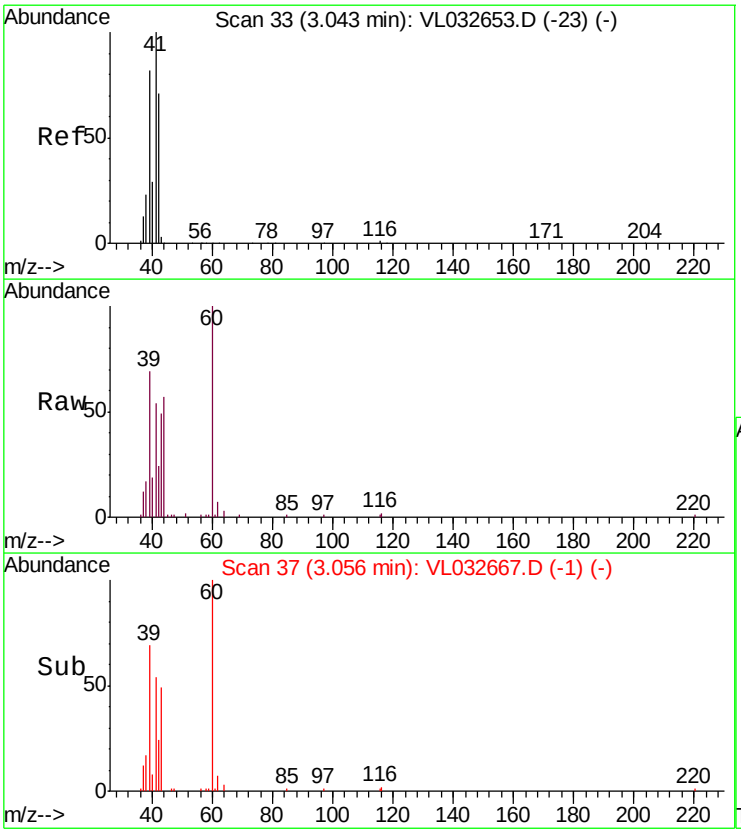
#8
Dichlorotetrafluoroethane
Concen: 0.035 ppbv
RT: 3.23 min Scan# 91
Delta R.T. 0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 85 Resp: 5048

Ion	Ratio	Lower	Upper
85	100		
135	49.4	49.0	73.4

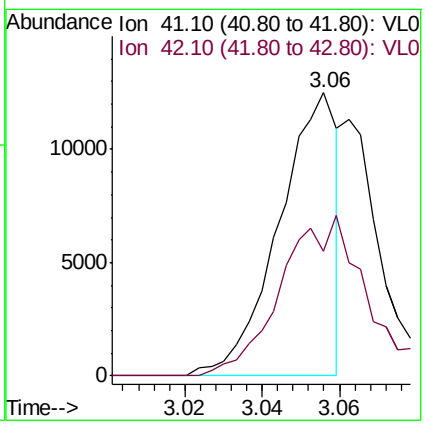


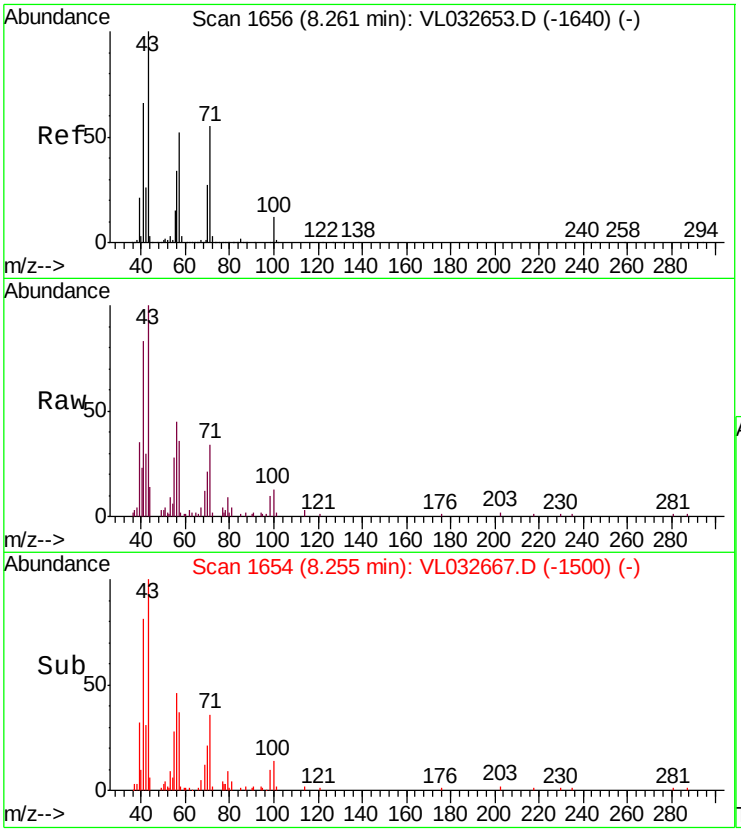


#9
Propene
Concen: 0.305 ppbv
RT: 3.06 min Scan# 37
Delta R.T. 0.01 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion: 41 Resp: 13126

Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.4	83.0#



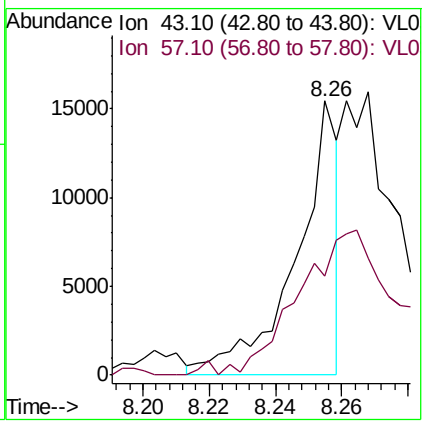


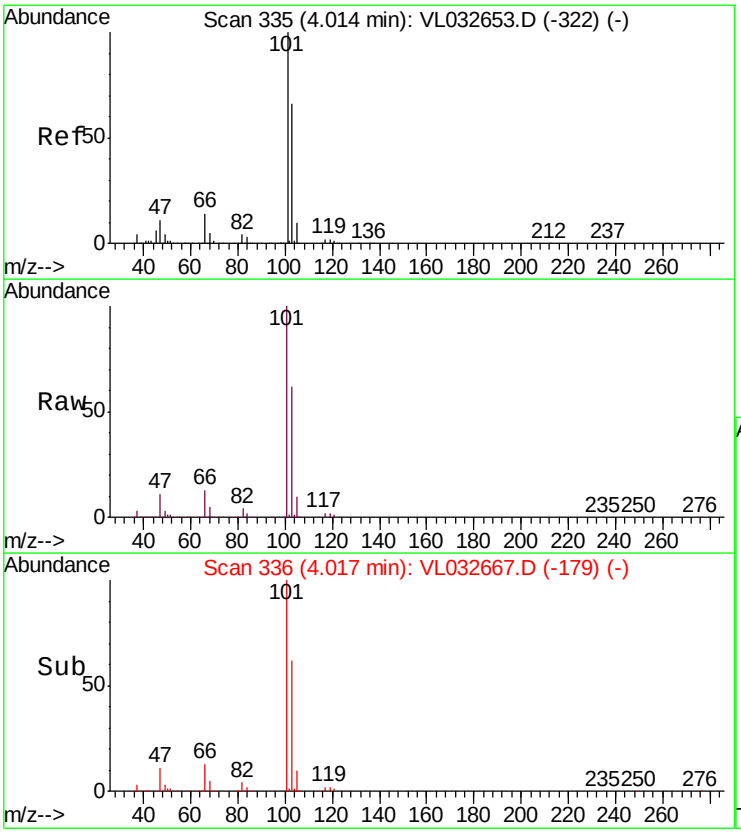
#10
Heptane
Concen: 0.081 ppbv
RT: 8.26 min Scan# 1654
Delta R.T. -0.01 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 43 Resp: 13416

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.5	62.3#

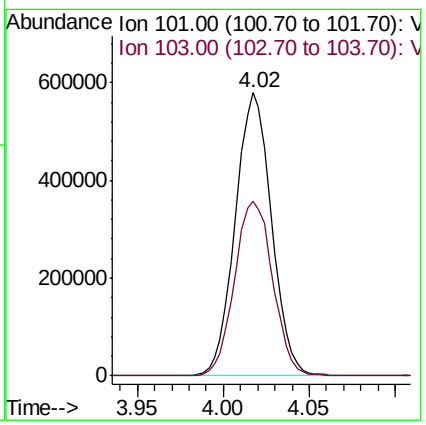


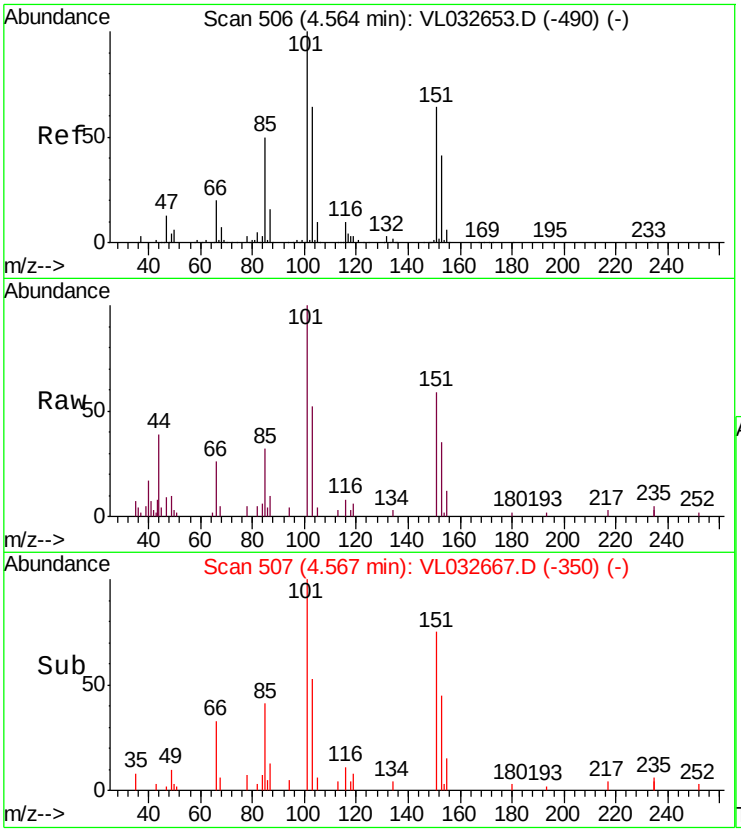


#11
Trichlorofluoromethane
Concen: 4.772 ppbv
RT: 4.02 min Scan# 336
Delta R.T. 0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion:101 Resp: 849768

Ion	Ratio	Lower	Upper
101	100		
103	61.5	51.4	77.2



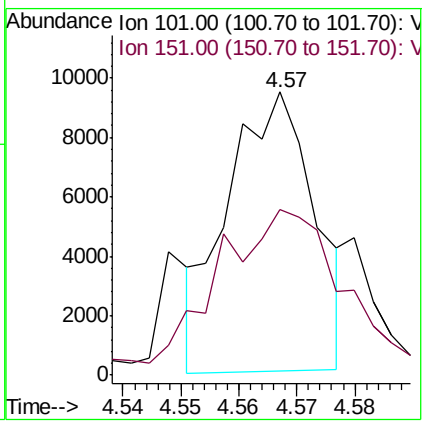


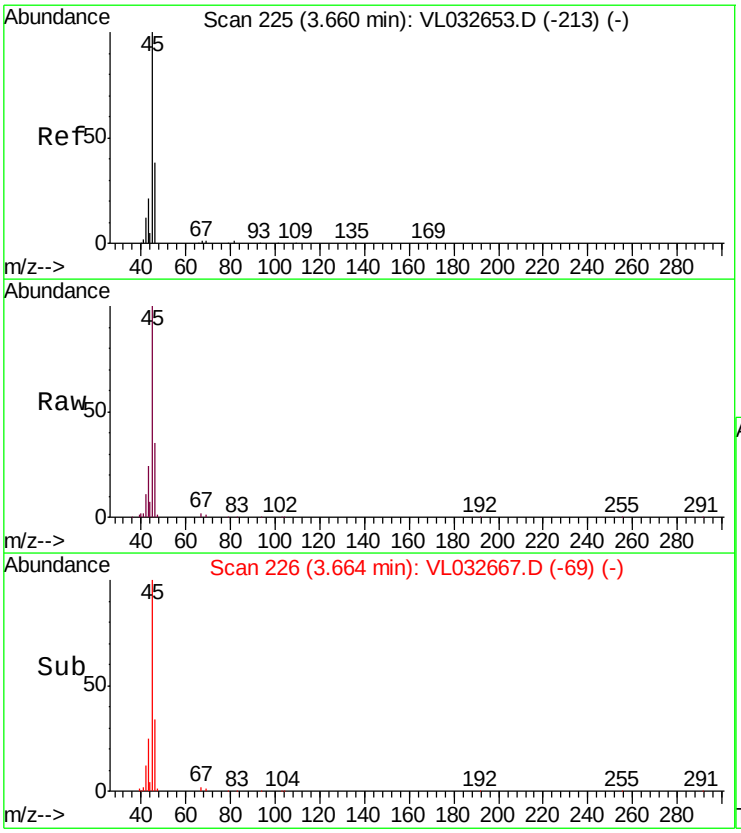
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.066 ppbv
RT: 4.57 min Scan# 507
Delta R.T. 0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:101 Resp: 9798

Ion	Ratio	Lower	Upper
101	100		
151	88.8	52.3	78.5#

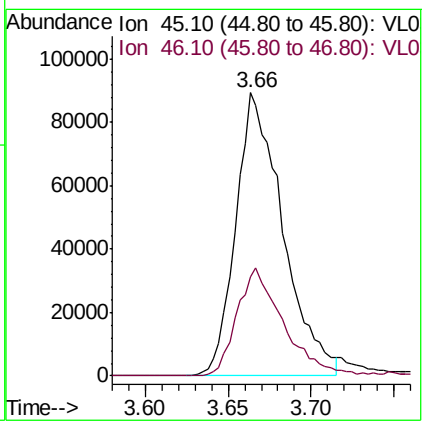


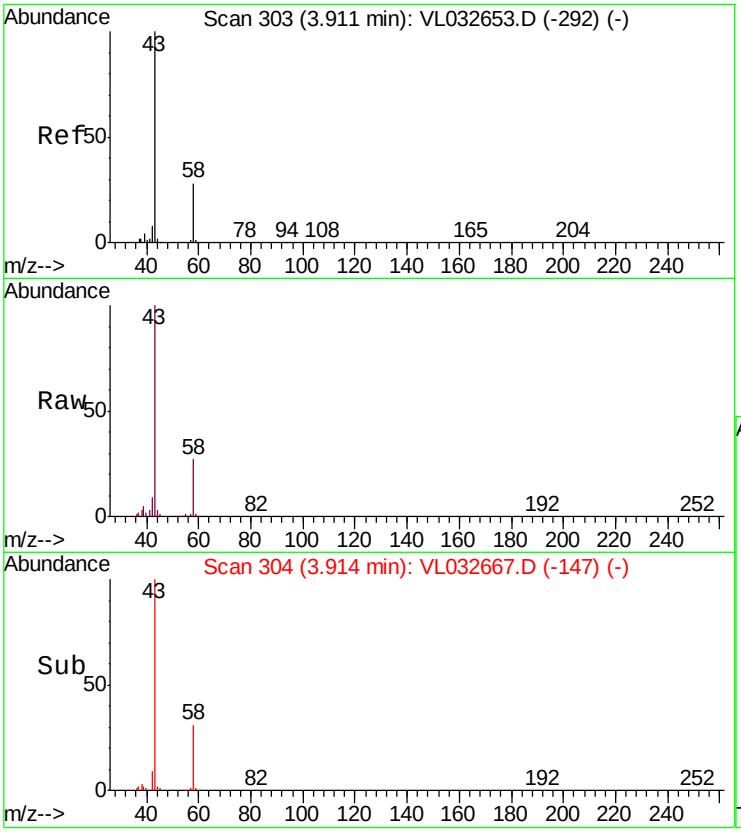


#13
Ethanol
Concen: 14.354 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion: 45 Resp: 176665

Ion	Ratio	Lower	Upper
45	100		
46	38.2	15.4	61.8



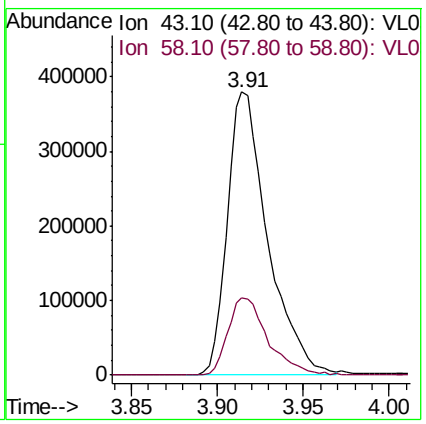


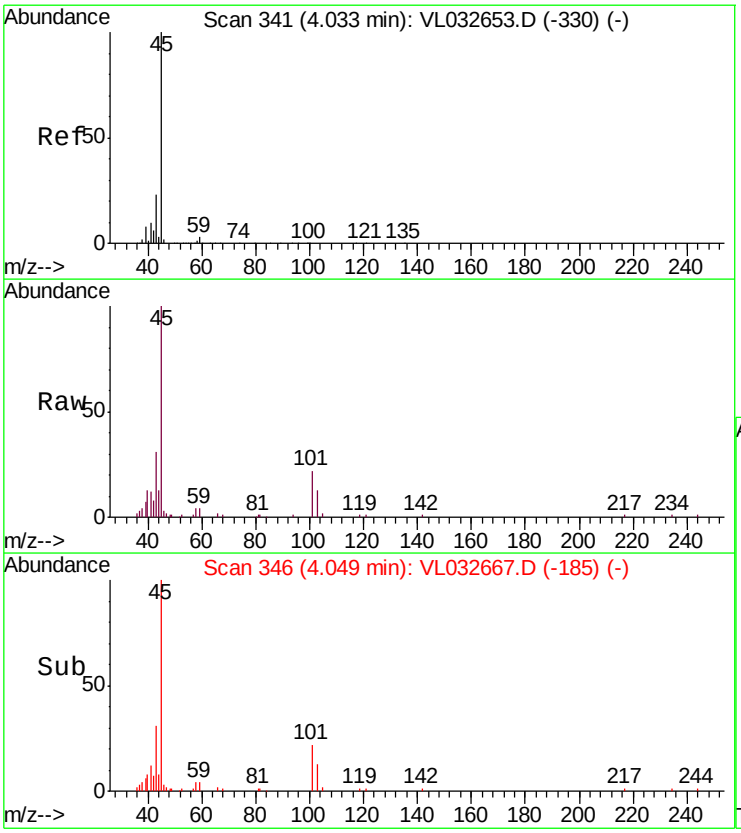
#15
Acetone
Concen: 5.057 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 43 Resp: 624832

Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.1	33.1

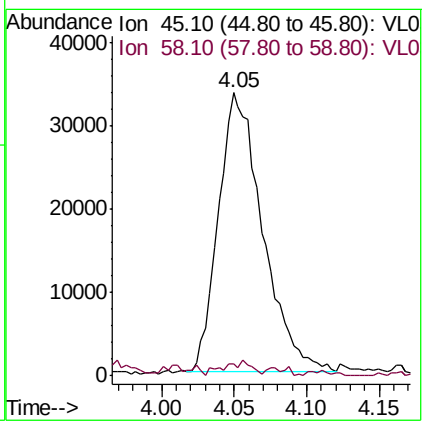


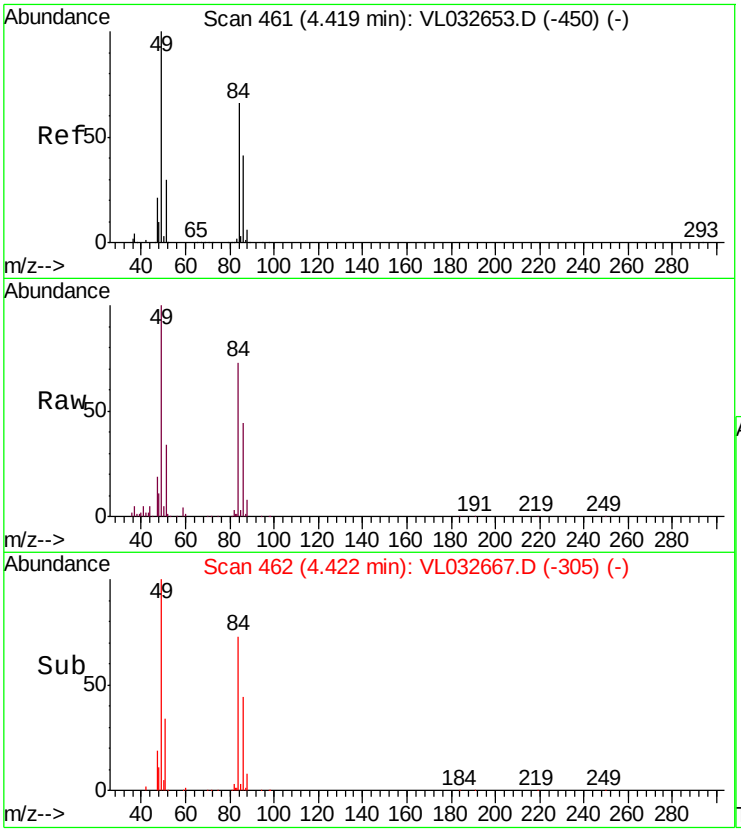


#19
Isopropyl Alcohol
Concen: 0.805 ppbv
RT: 4.05 min Scan# 346
Delta R.T. 0.02 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion: 45 Resp: 70873

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#



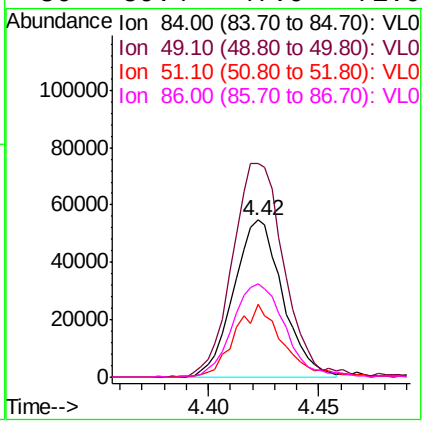


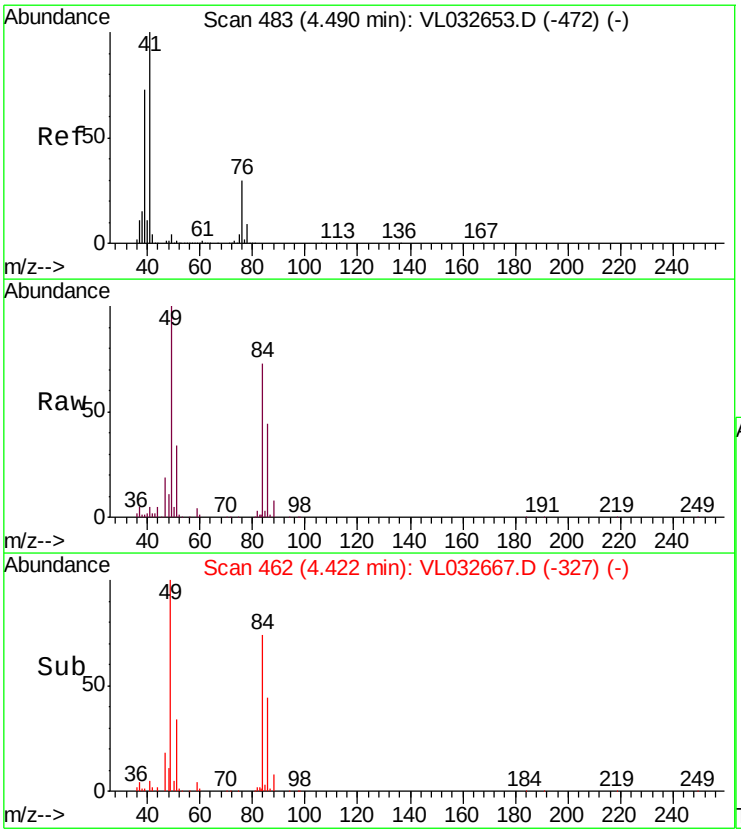
#20
Methylene Chloride
Concen: 1.347 ppbv
RT: 4.42 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 84 Resp: 84464

Ion	Ratio	Lower	Upper
84	100		
49	135.8	113.5	170.3
51	45.2	34.8	52.2
86	59.4	47.9	71.9

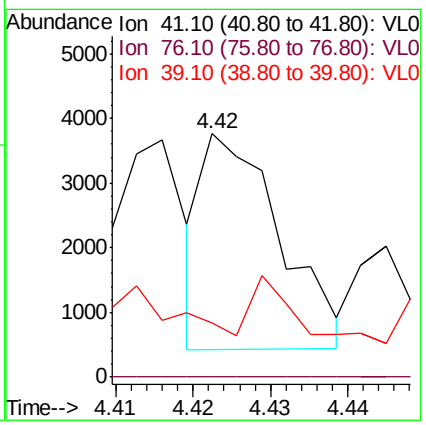


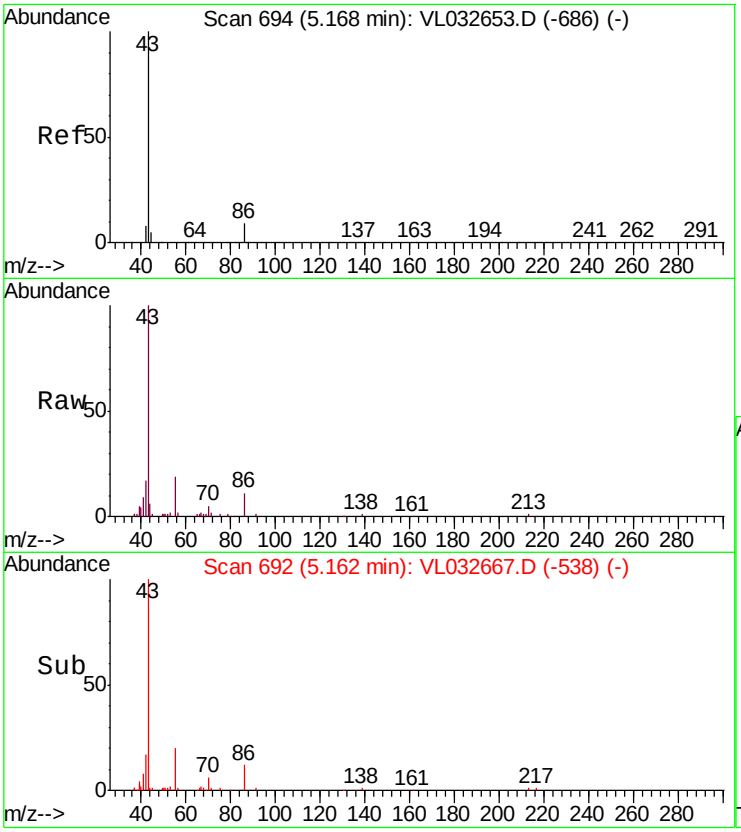


#21
Allyl Chloride
Concen: 0.023 ppbv
RT: 4.42 min Scan# 462
Delta R.T. -0.07 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion: 41 Resp: 2333

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.3	36.5#
39	0.0	60.3	90.5#



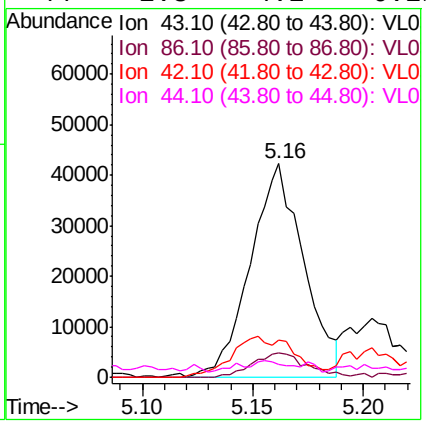


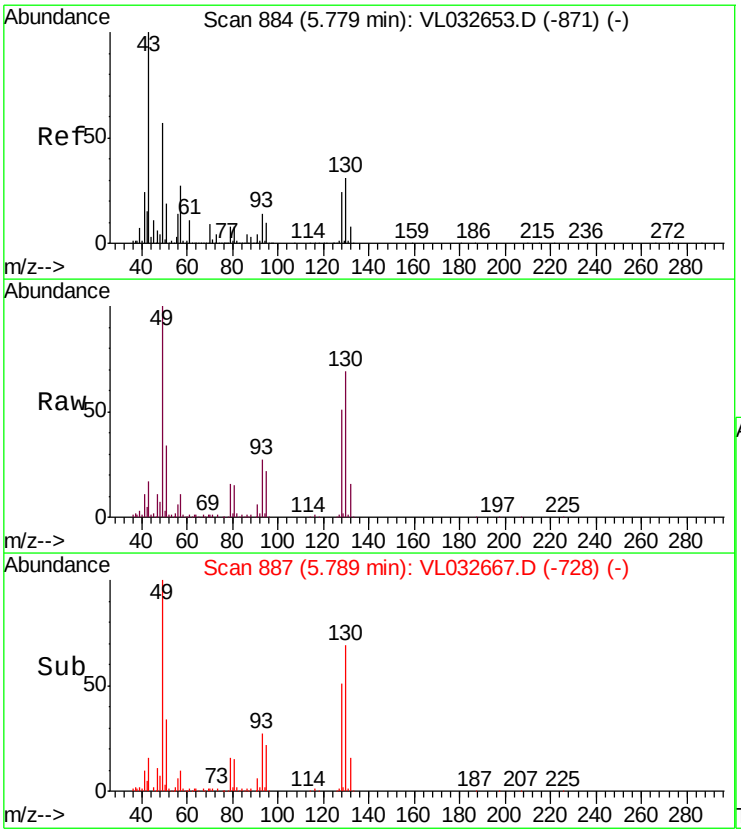
#23
Vinyl Acetate
Concen: 0.323 ppbv
RT: 5.16 min Scan# 692
Delta R.T. -0.01 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 43 Resp: 70760

Ion	Ratio	Lower	Upper
43	100		
86	11.4	6.1	9.1#
42	16.4	7.4	11.2#
44	2.3	4.2	6.2#

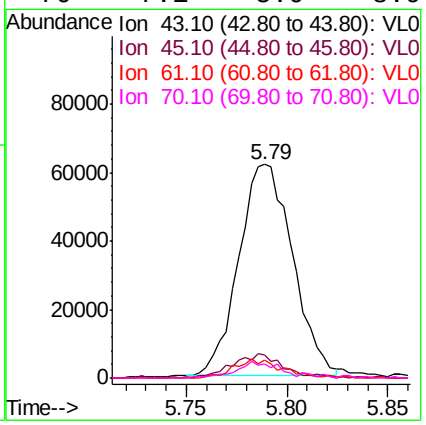


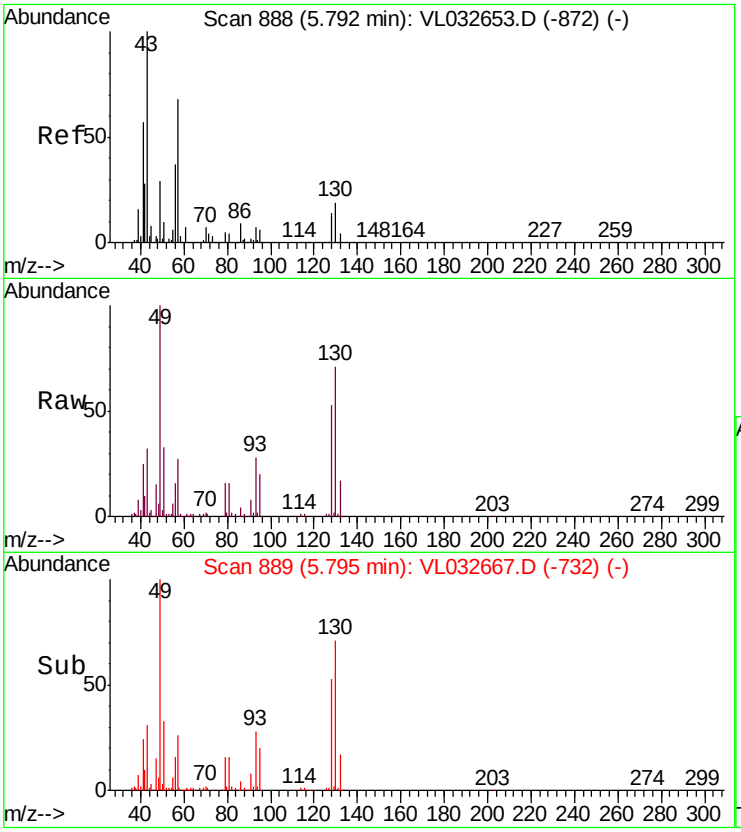


#25
Ethyl Acetate
Concen: 0.405 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.01 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion: 43 Resp: 115128

Ion	Ratio	Lower	Upper
43	100		
45	11.2	8.0	12.0
61	8.3	8.0	12.0
70	7.1	5.9	8.9



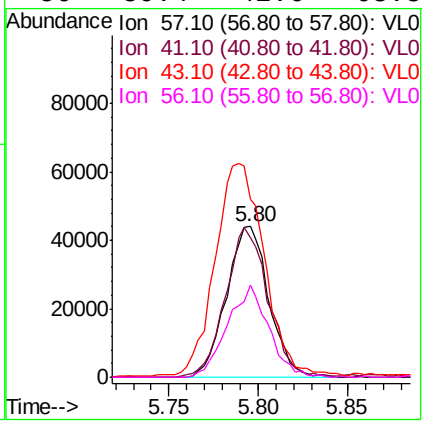


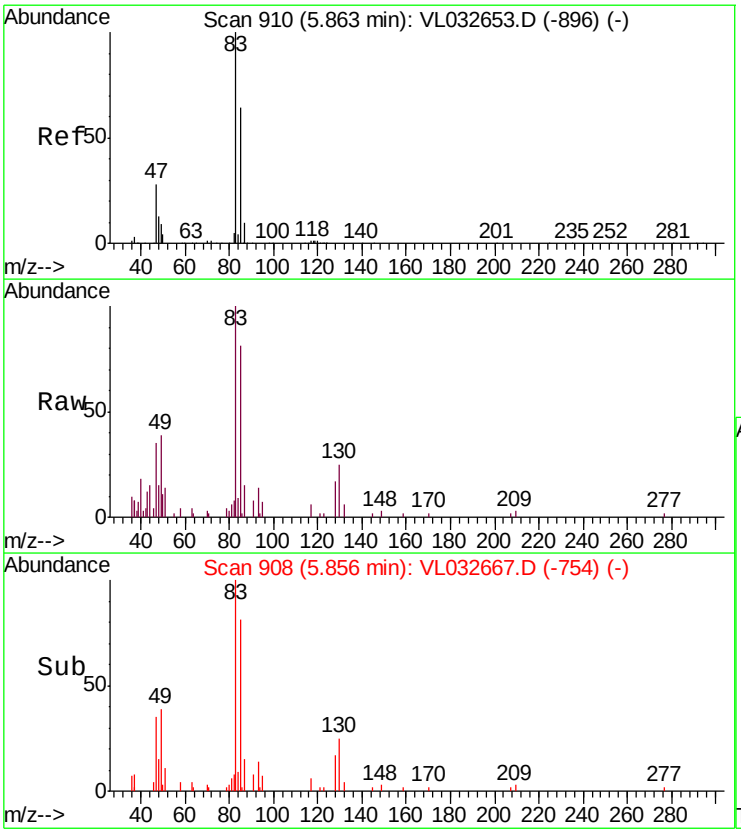
#26
Hexane
Concen: 0.541 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 57 Resp: 72813

Ion	Ratio	Lower	Upper
57	100		
41	99.6	67.4	101.0
43	167.8	171.9	257.9#
56	59.4	42.6	63.8

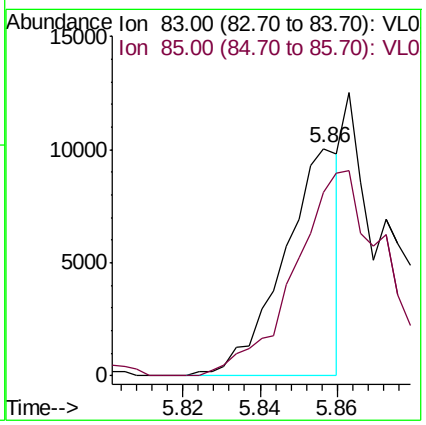


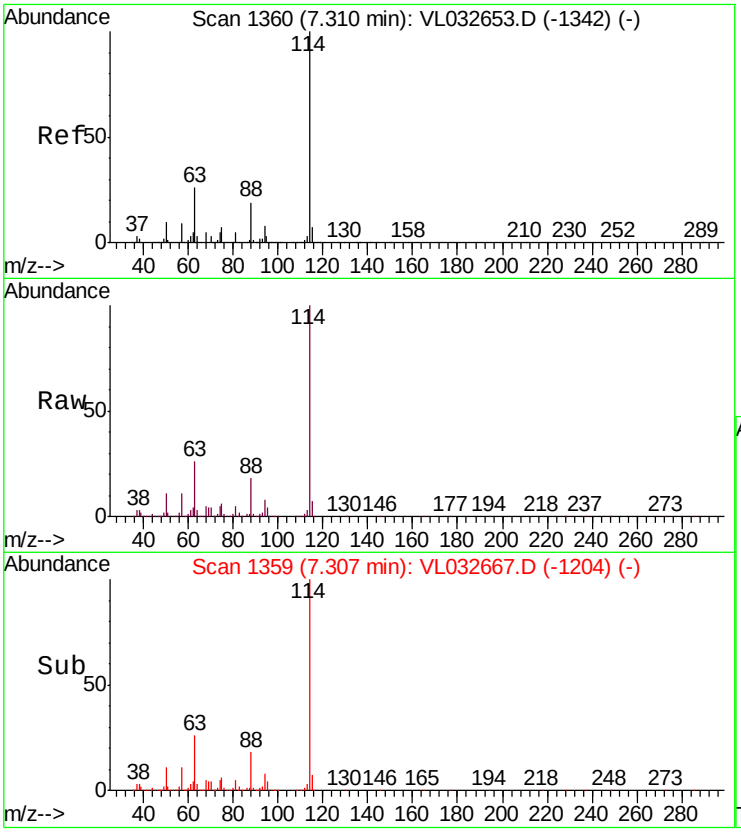


#29
Chloroform
Concen: 0.047 ppbv
RT: 5.86 min Scan# 908
Delta R.T. -0.01 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion: 83 Resp: 10043

Ion	Ratio	Lower	Upper
83	100		
85	80.6	53.0	79.6#



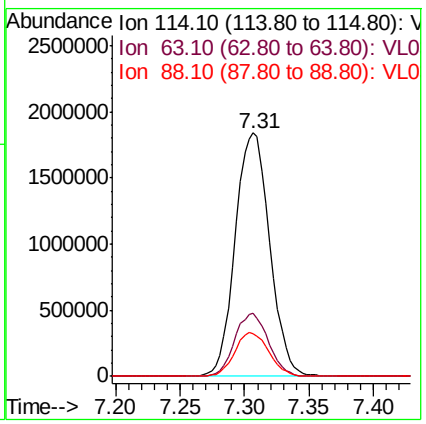


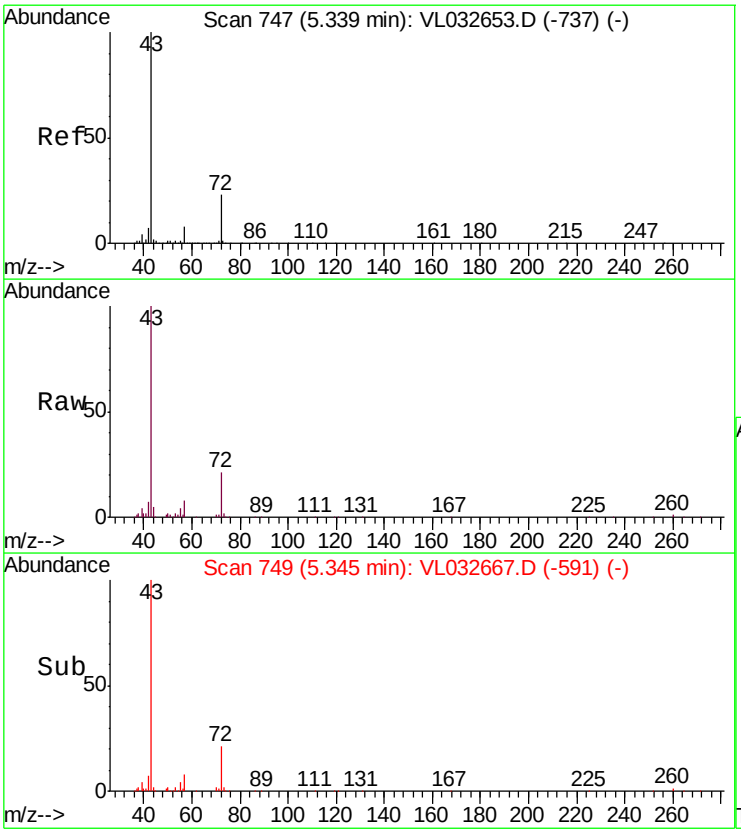
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion:114 Resp: 3427851

Ion	Ratio	Lower	Upper
114	100		
63	25.4	21.7	32.5
88	17.8	14.9	22.3

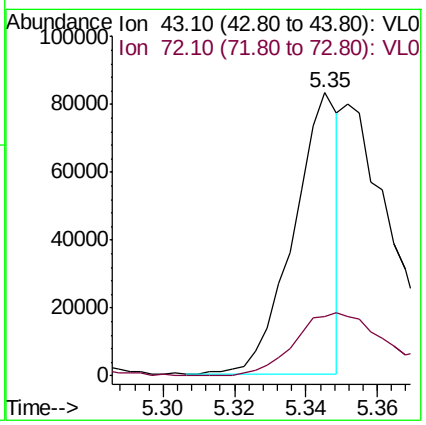


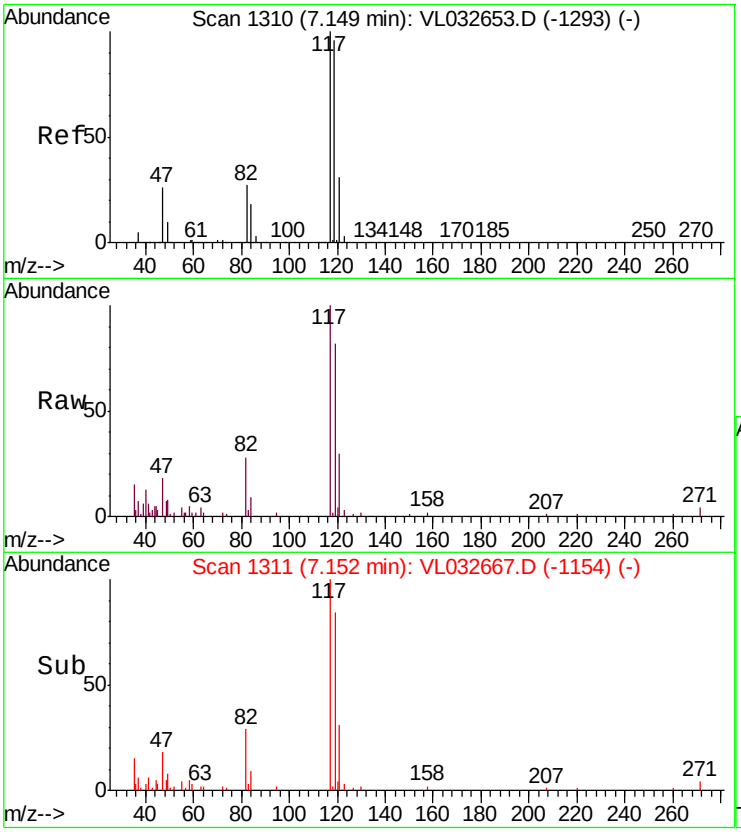


#34
2-Butanone
Concen: 0.395 ppbv
RT: 5.35 min Scan# 749
Delta R.T. 0.01 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion: 43 Resp: 72494

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#



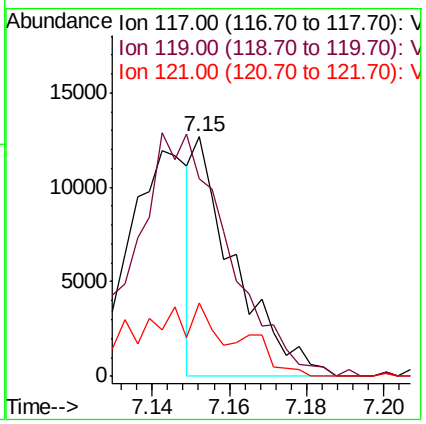


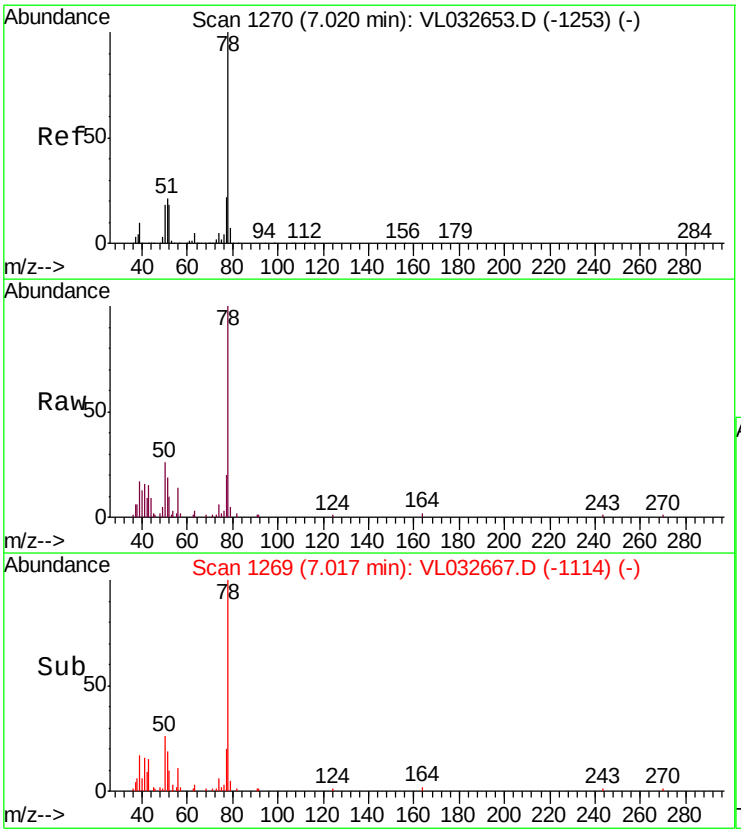
#35
Carbon Tetrachloride
Concen: 0.038 ppbv
RT: 7.15 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion:117 Resp: 9306

Ion	Ratio	Lower	Upper
117	100		
119	82.5	75.7	113.5
121	30.4	24.7	37.1

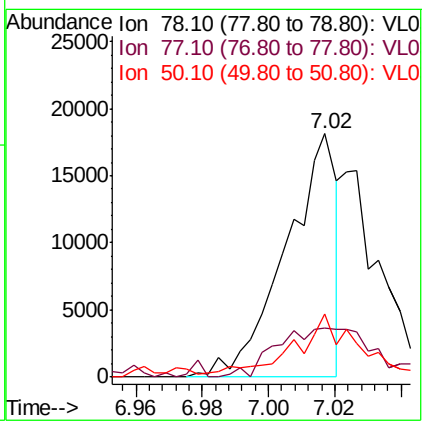


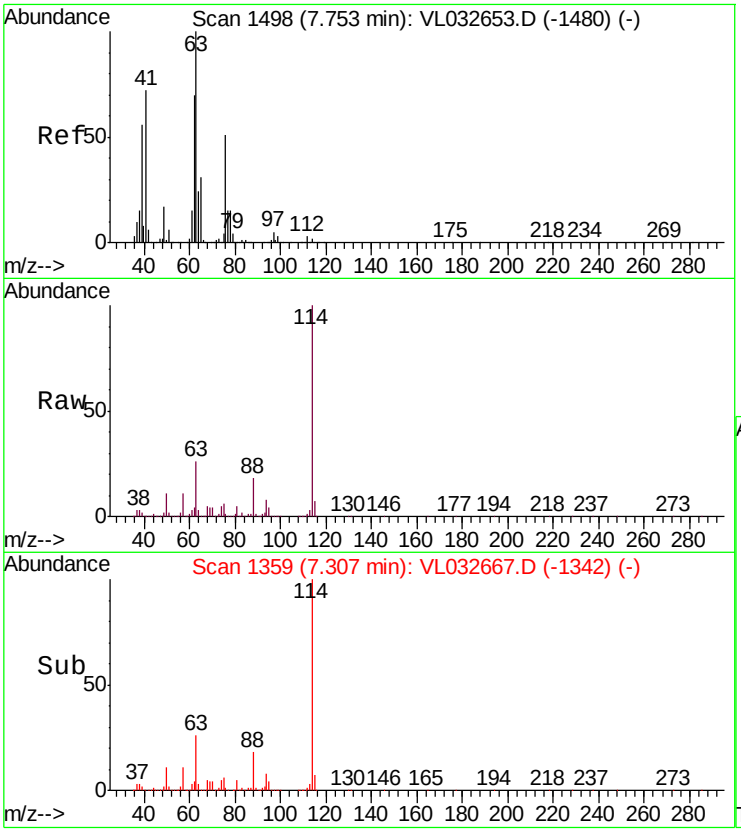


#36
Benzene
Concen: 0.069 ppbv
RT: 7.02 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion: 78 Resp: 19316

Ion	Ratio	Lower	Upper
78	100		
77	18.6	18.1	27.1
50	19.9	15.1	22.7



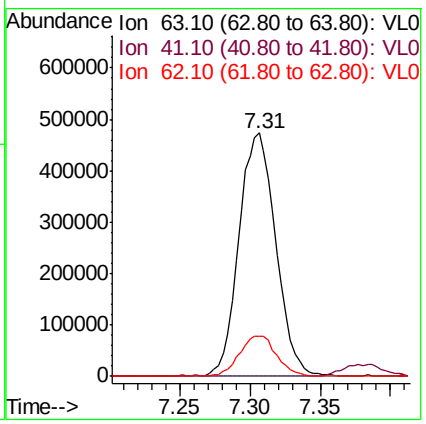


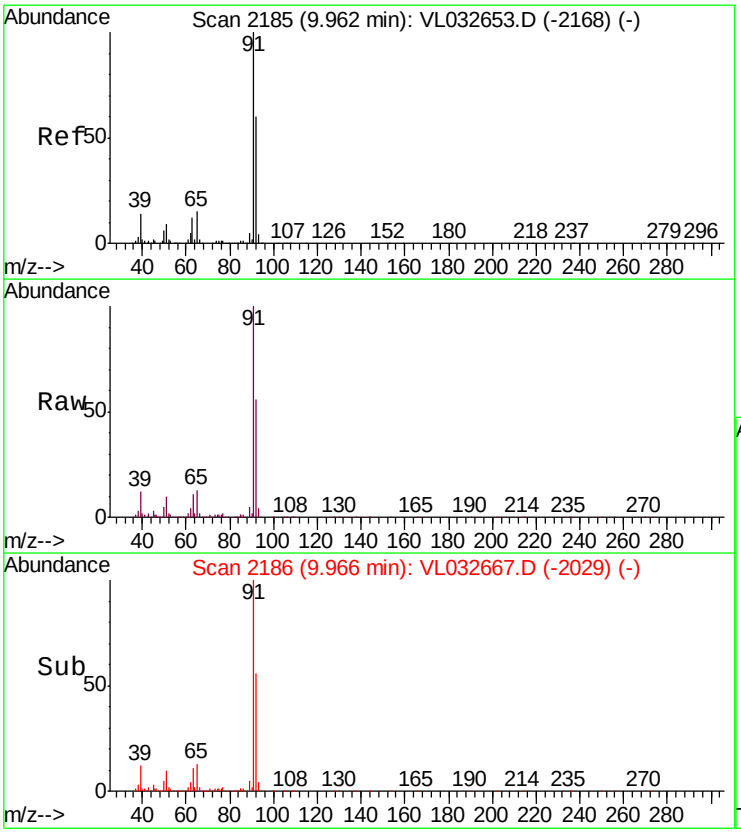
#39
1,2-Dichloropropane
Concen: 8.057 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. -0.45 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 63 Resp: 866009

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.2	84.4#
62	16.6	54.4	81.6#

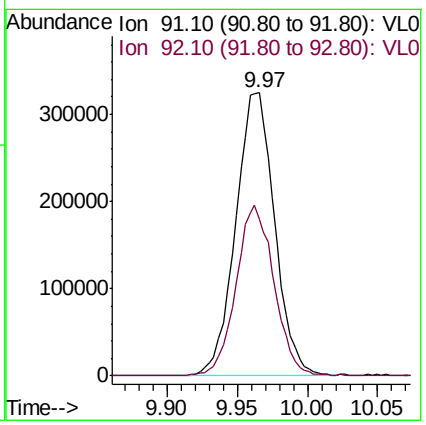


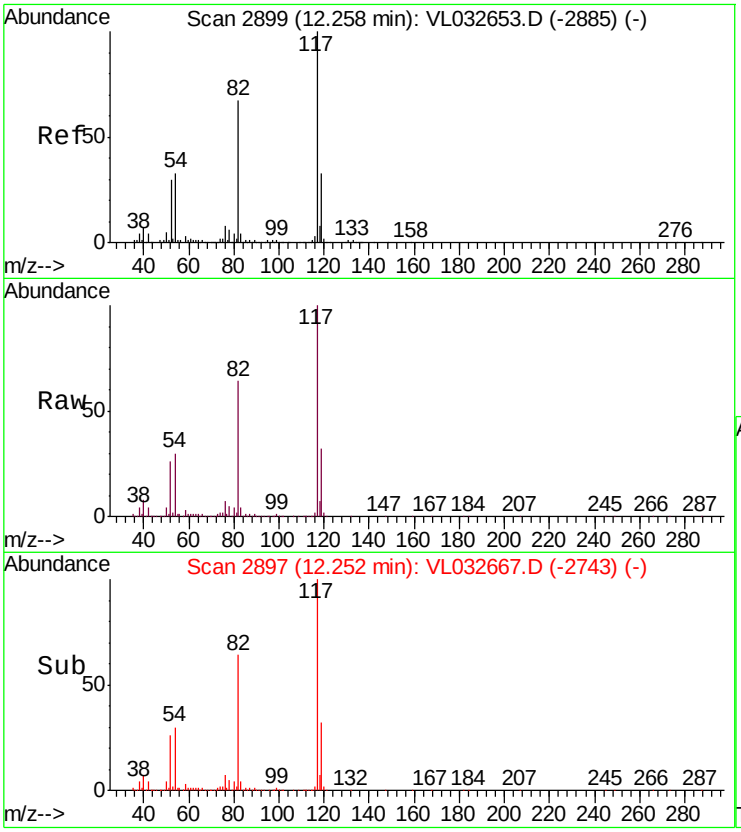


#53
Toluene
Concen: 1.958 ppbv
RT: 9.97 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion: 91 Resp: 624768

Ion	Ratio	Lower	Upper
91	100		
92	59.4	48.4	72.6



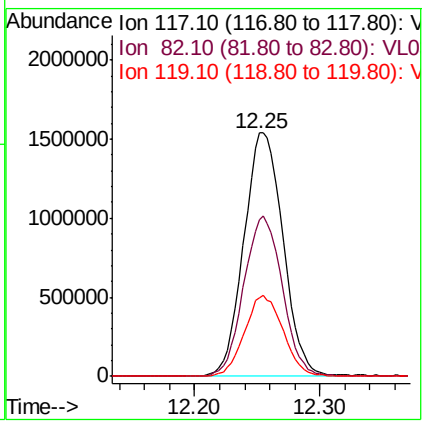


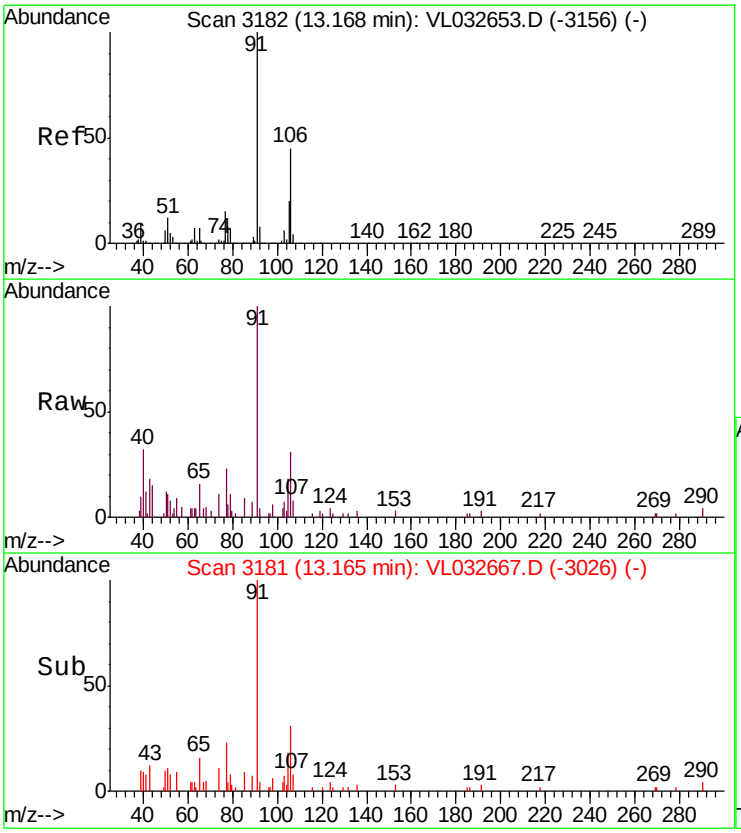
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:117 Resp: 3358916

Ion	Ratio	Lower	Upper
117	100		
82	64.5	52.7	79.1
119	32.8	26.7	40.1

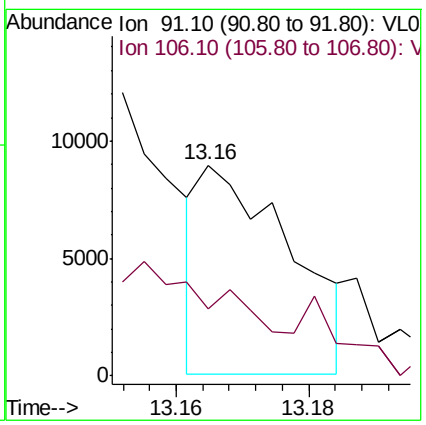


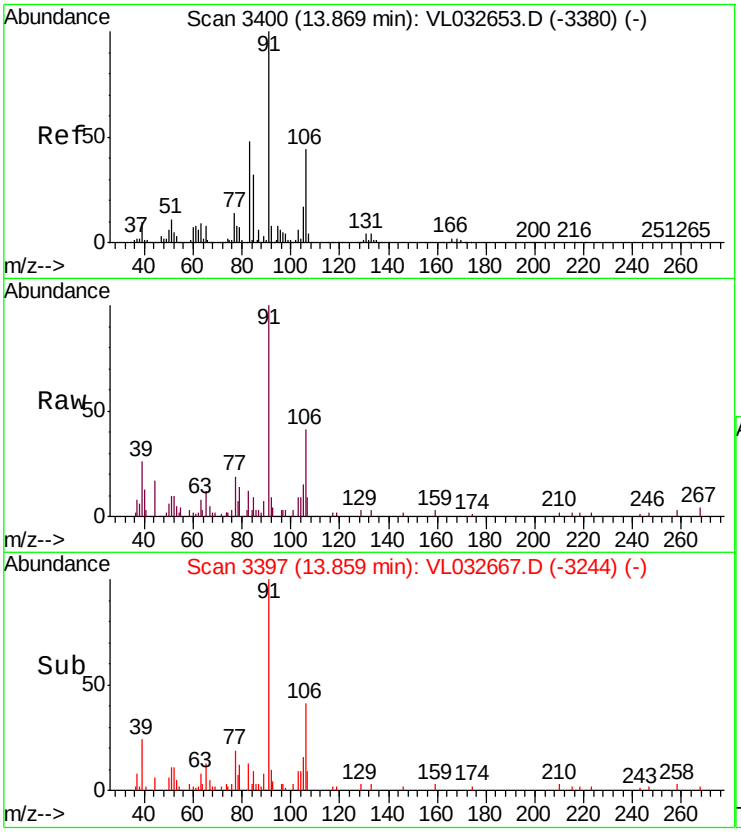


#59
m/p-Xylene
Concen: 0.024 ppbv
RT: 13.16 min Scan# 3181
Delta R.T. -0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion: 91 Resp: 8438

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.9	53.9#



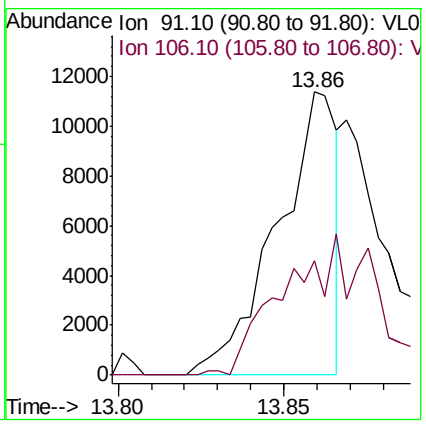


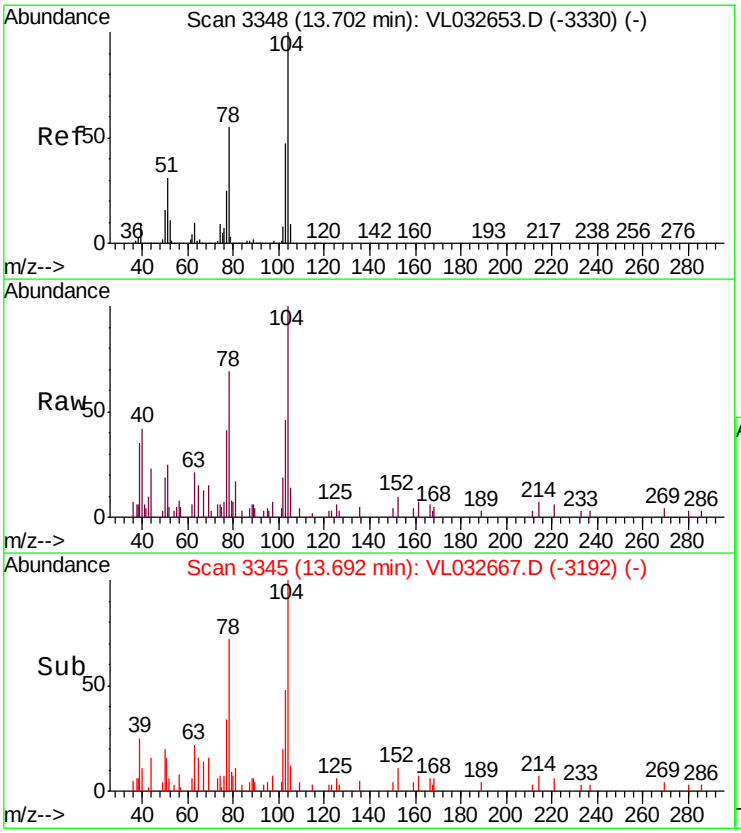
#60
o-Xylene
Concen: 0.042 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 91 Resp: 14173

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.1	66.1#

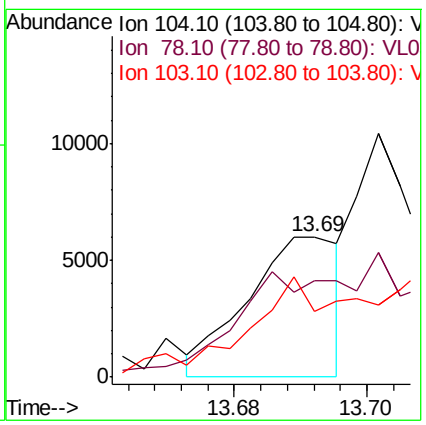


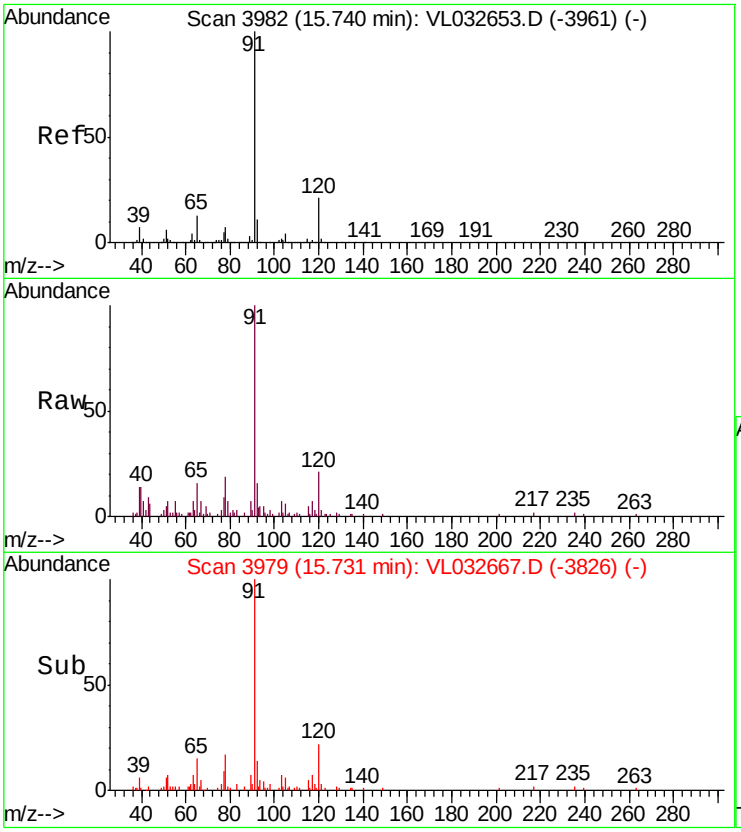


#61
Styrene
Concen: 0.026 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. -0.01 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion:104 Resp: 5805

Ion	Ratio	Lower	Upper
104	100		
78	0.0	42.8	64.2#
103	0.0	37.4	56.0#



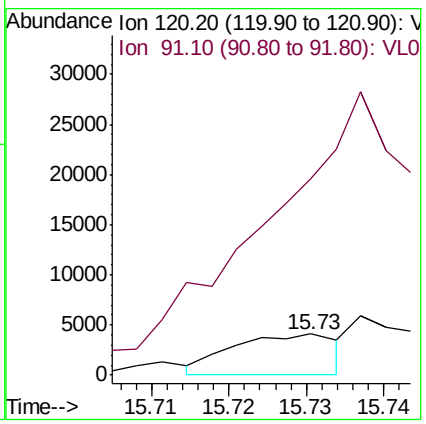


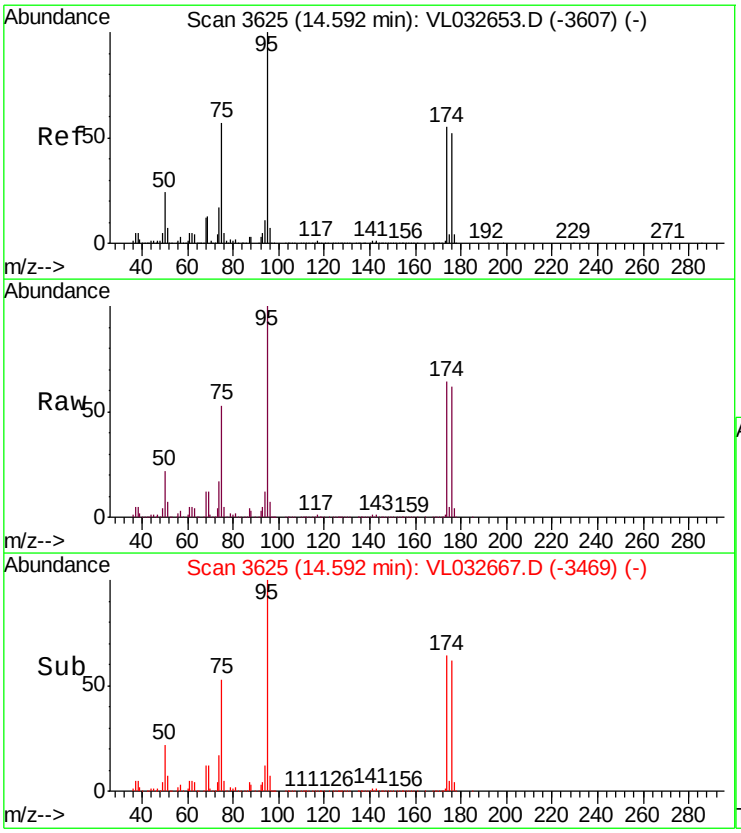
#64
n-propylbenzene
Concen: 0.033 ppbv
RT: 15.73 min Scan# 3979
Delta R.T. -0.01 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:120 Resp: 3893

Ion	Ratio	Lower	Upper
120	100		
91	0.0	390.2	585.2#

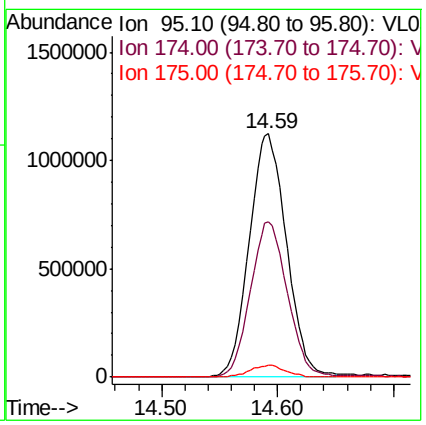


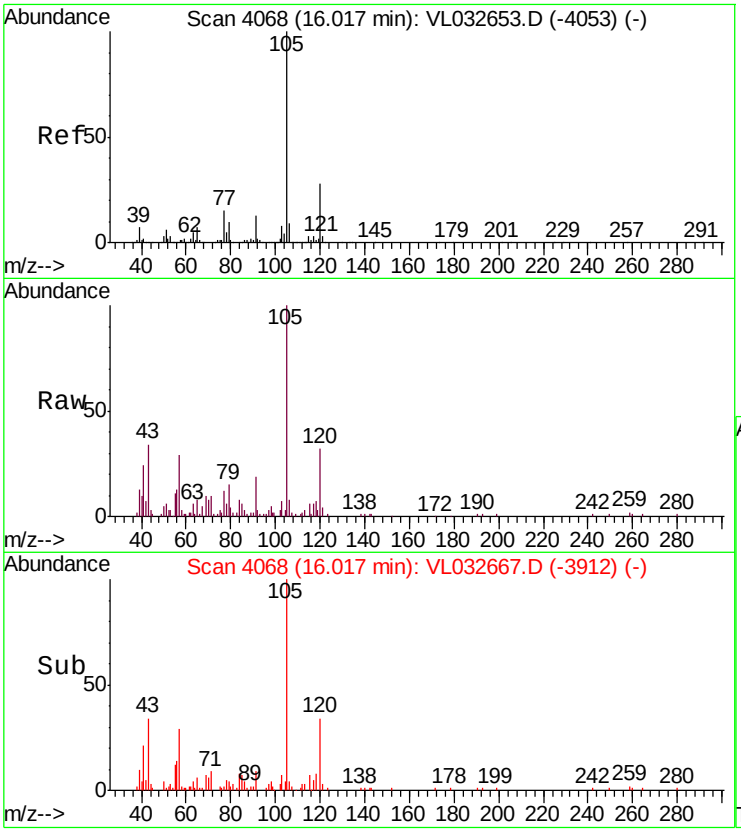


#68
1-Bromo-4-Fluorobenzene
Concen: 10.049 ppbv
RT: 14.59 min Scan# 3625
Delta R.T. 0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion: 95 Resp: 2513159

Ion	Ratio	Lower	Upper
95	100		
174	64.3	46.0	69.0
175	4.7	3.4	5.0



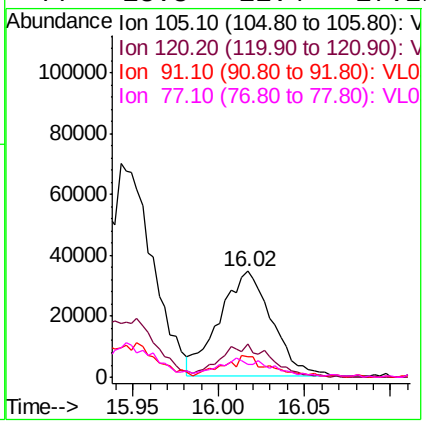


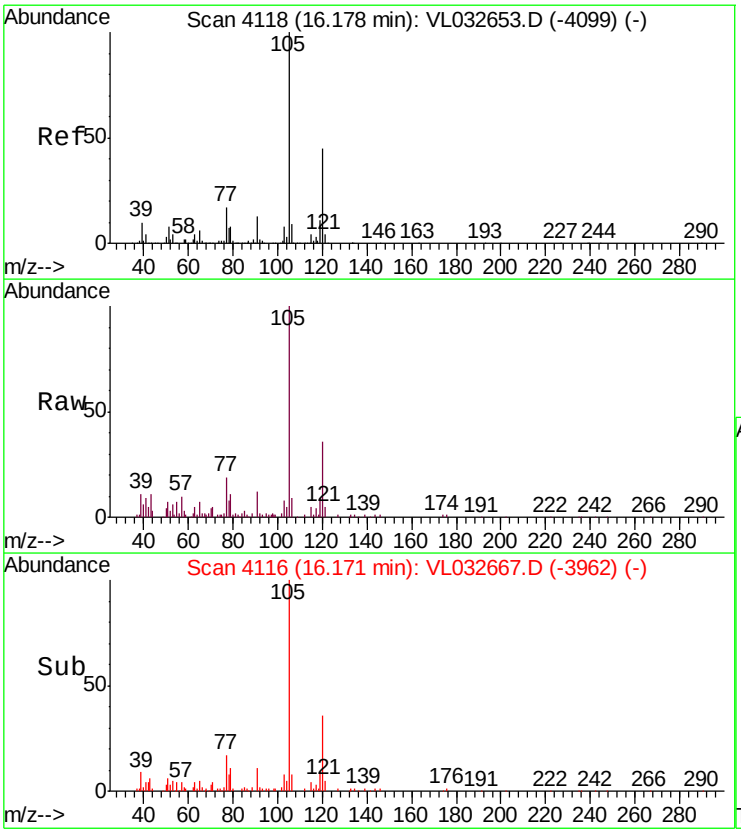
#72
4-Ethyltoluene
Concen: 0.207 ppbv
RT: 16.02 min Scan# 4068
Delta R.T. 0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion:105 Resp: 73945

Ion	Ratio	Lower	Upper
105	100		
120	30.4	23.7	35.5
91	19.5	10.4	15.6#
77	18.3	11.4	17.2#

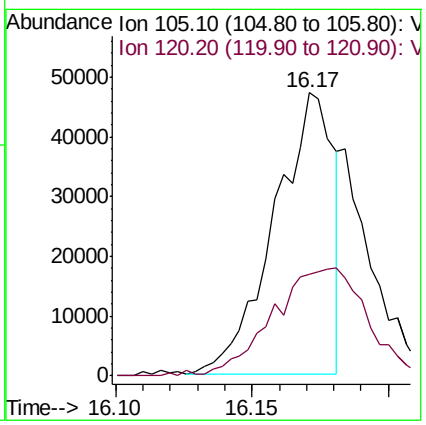


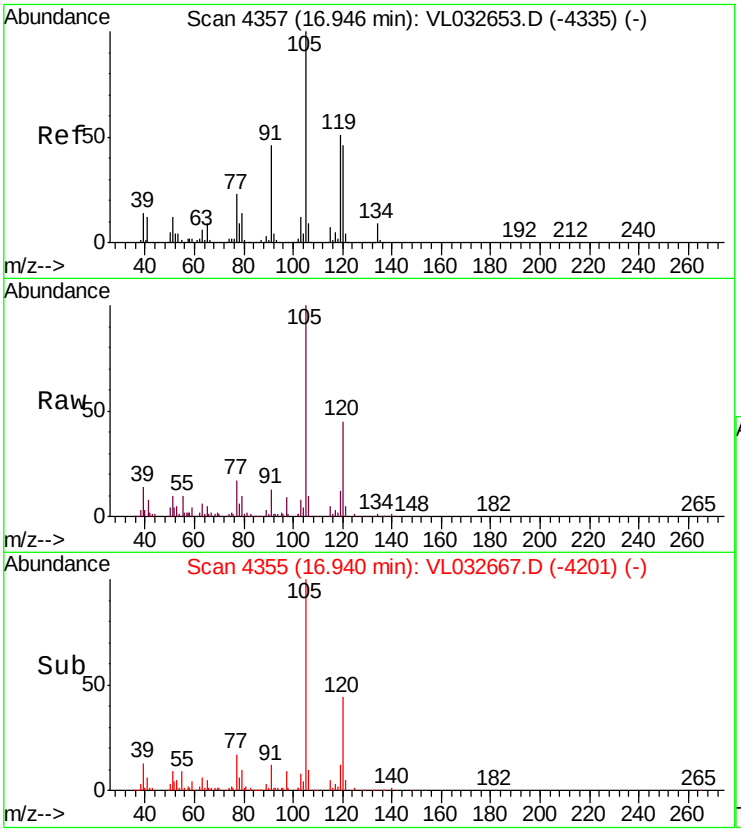


#73
1,3,5-Trimethylbenzene
Concen: 0.202 ppbv
RT: 16.17 min Scan# 4116
Delta R.T. -0.01 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion:105 Resp: 70206

Ion	Ratio	Lower	Upper
105	100		
120	34.1	35.4	53.2#



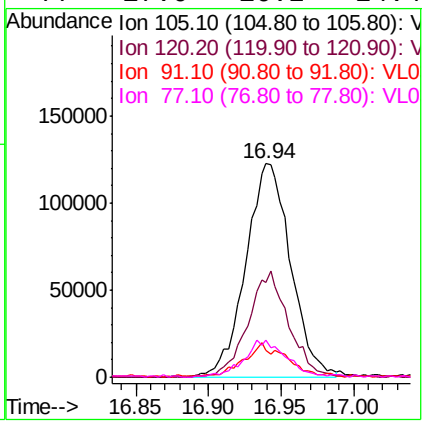


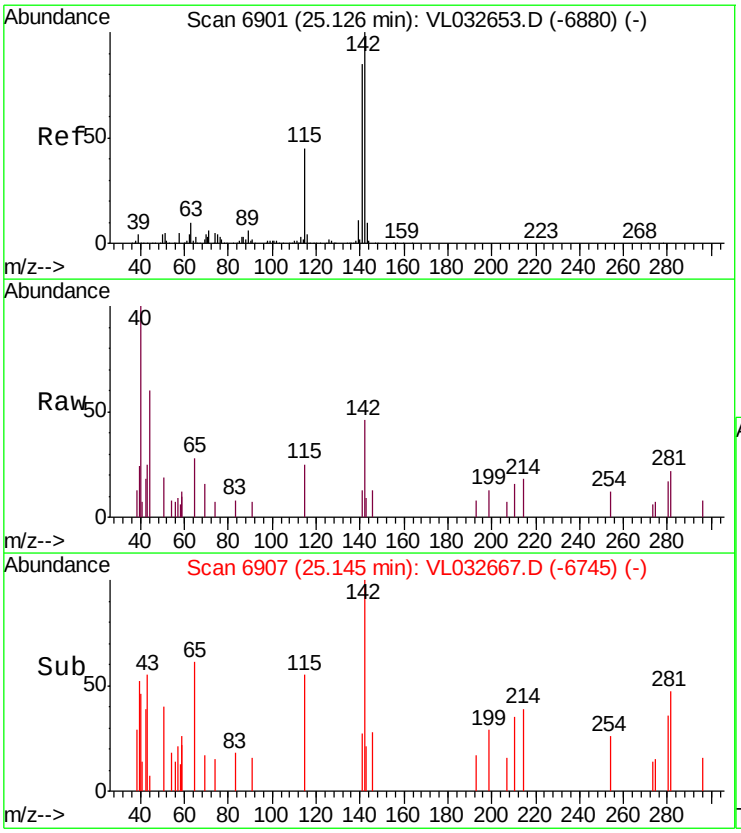
#74
1,2,4-Trimethylbenzene
Concen: 0.711 ppbv
RT: 16.94 min Scan# 4355
Delta R.T. -0.01 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:105 Resp: 264070

Ion	Ratio	Lower	Upper
105	100		
120	44.5	35.8	53.8
91	12.2	33.2	49.8#
77	17.0	16.2	24.4





#80
Naphthalene,2-methyl-
Concen: 0.036 ppbv
RT: 25.15 min Scan# 6907
Delta R.T. 0.02 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion:142 Resp: 2004

Ion	Ratio	Lower	Upper
142	100		
141	50.4	67.5	101.3#
115	53.9	33.5	50.3#