Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
Data File : VL033648.D
Acq On : 3 May 2019 4:22
Operator : SY/AP
Sample : K2628-12
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-12

Quant Time: May 03 08:08:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 02 06:29:02 2019
QLast Update : Thu May 02 06:29:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	891086	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2102486	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	2069397	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1739216	11.04	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 110.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	77394	0.576	ppbv		96
3) Chlorodifluoromethane	2.99	51	512622	4.812	ppbv	#	62
4) Chloromethane	3.17	50	29152	0.502	ppbv	#	88
9) Propene	3.24	41	42879	1.406	ppbv		97
10) Heptane	8.24	43	6707	0.059	ppbv	#	43
11) Trichlorofluoromethane	4.00	101	42115	0.264	ppbv		91
12) 1,1,2-Trichlorotrifluoroet	4.55	101	8148	0.074	ppbv		99
13) Ethanol	3.65	45	657106	47.507	ppbv		100
15) Acetone	3.90	43	598038	5.513	ppbv		99
19) Isopropyl Alcohol	4.03	45	138256	1.857	ppbv	#	91
20) Methylene Chloride	4.41	84	51845	1.226	ppbv	#	90
23) Vinyl Acetate	5.14	43	13714	0.085	ppbv	#	78
25) Ethyl Acetate	5.77	43	42943	0.209	ppbv	#	94
26) Hexane	5.78	57	68562	0.791	ppbv	#	47
30) Cyclohexane	7.24	84	2341	0.032	ppbv	#	1
34) 2-Butanone	5.33	43	28717	0.222	ppbv		96
35) Carbon Tetrachloride	7.12	117	8120	0.049	ppbv		84
36) Benzene	7.00	78	13007	0.073	ppbv	#	79
39) 1,2-Dichloropropane	7.28	63	564934	8.363	ppbv	#	24
53) Toluene	9.94	91	1425897	6.307	ppbv		99

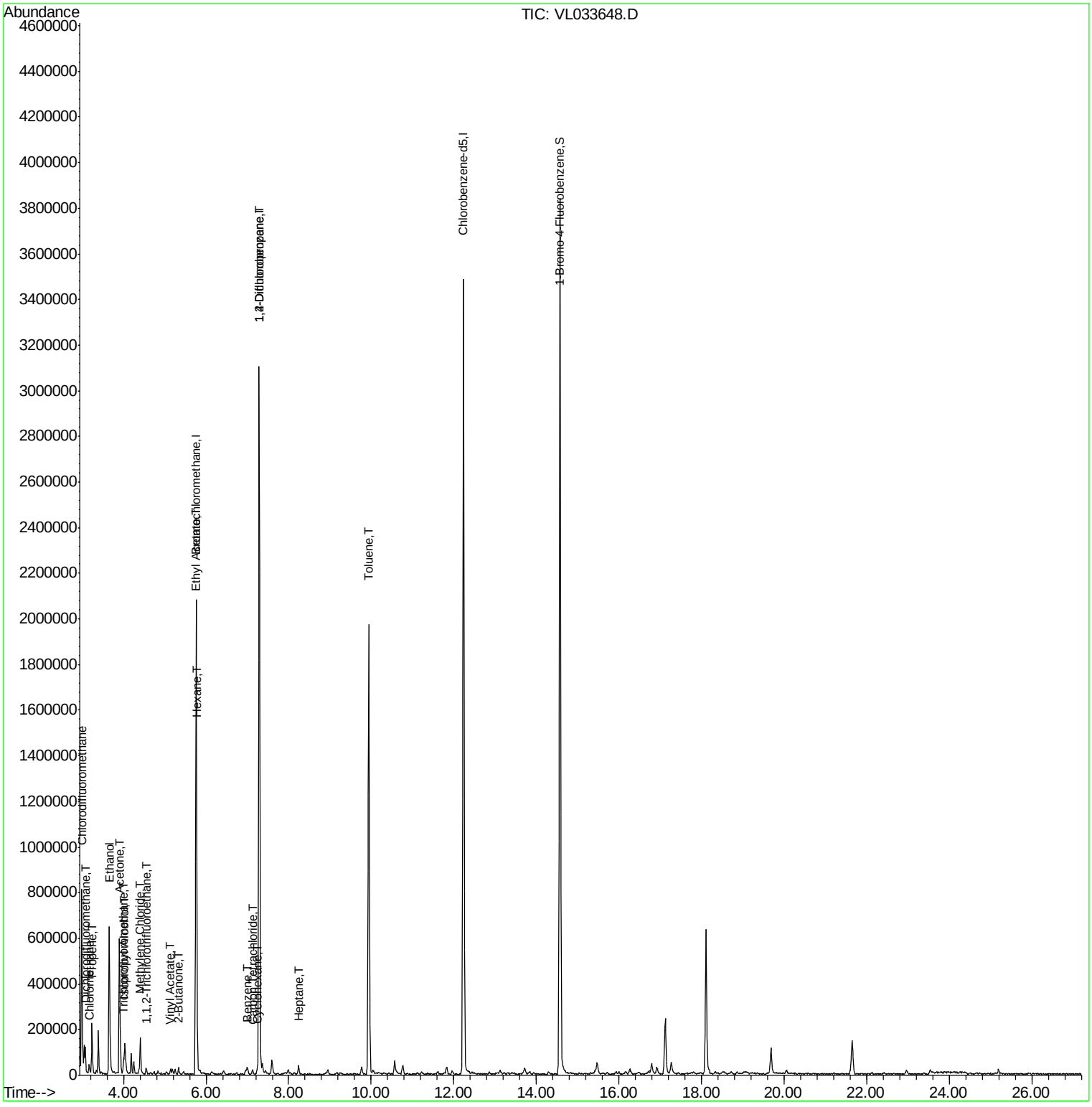
(#) = qualifier out of range (m) = manual integration (+) = signals summed

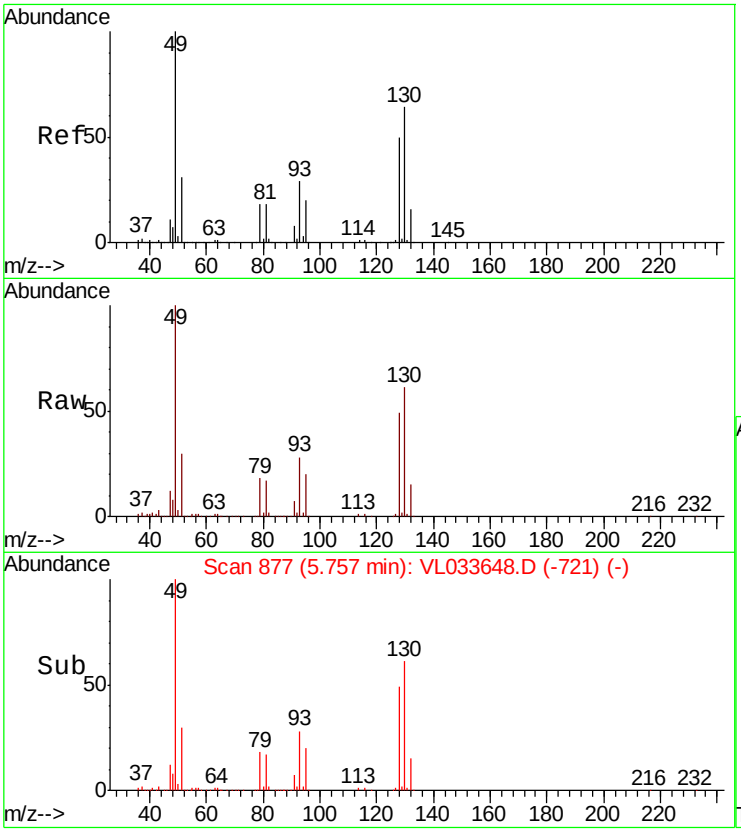
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
Data File : VL033648.D
Acq On : 3 May 2019 4:22
Operator : SY/AP
Sample : K2628-12
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-12

Quant Time: May 03 08:08:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 02 06:29:02 2019
QLast Update : Thu May 02 06:29:02 2019
Response via : Initial Calibration



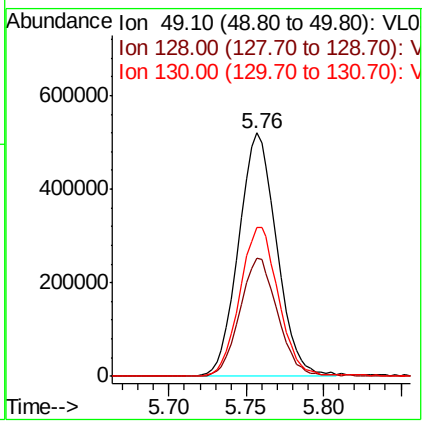


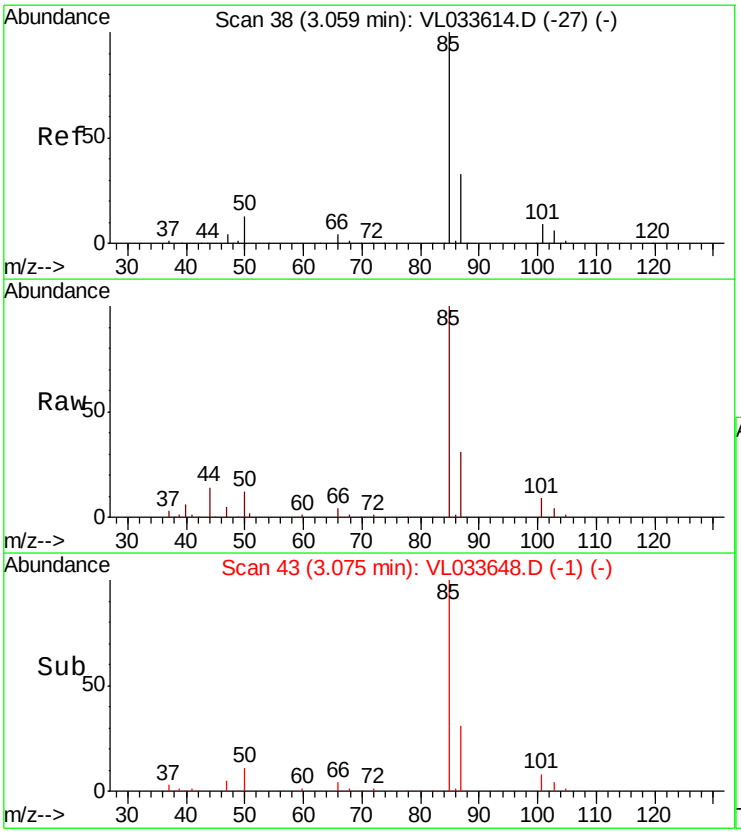
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. 0.00 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Instrument : MSVOA_L
ClientSampleId : A-12

Tgt Ion: 49 Resp: 891086

Ion	Ratio	Lower	Upper
49	100		
128	48.4	25.0	75.0
130	63.0	31.9	95.9

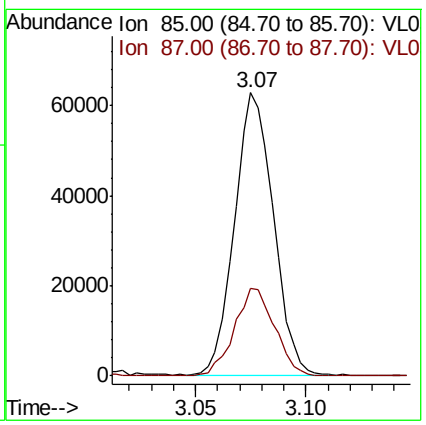


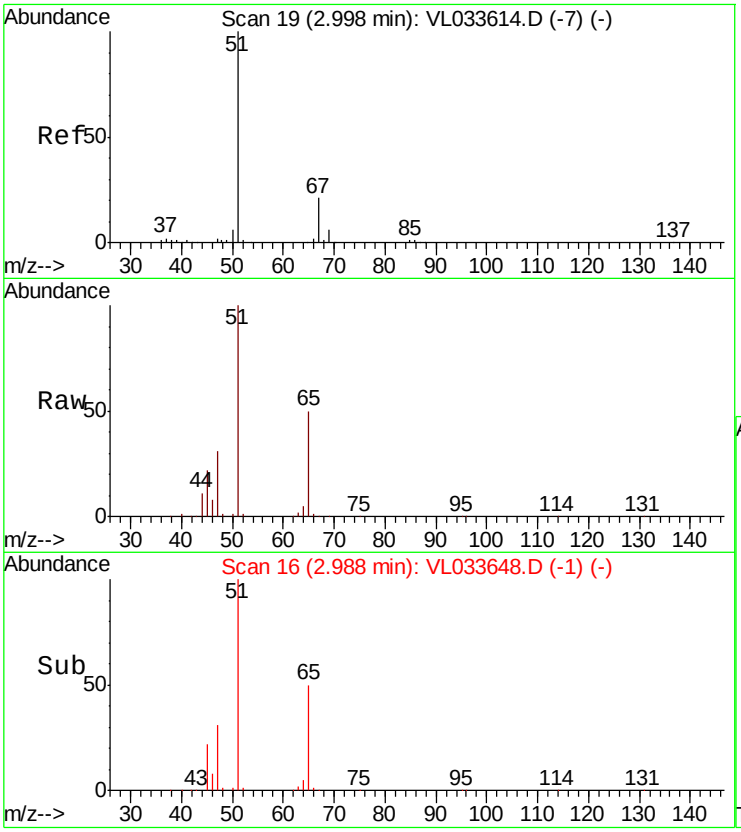


#2
Dichlorodifluoromethane
Concen: 0.576 ppbv
RT: 3.07 min Scan# 43
Delta R.T. 0.02 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Tgt Ion: 85 Resp: 77394

Ion	Ratio	Lower	Upper
85	100		
87	31.1	26.8	40.2



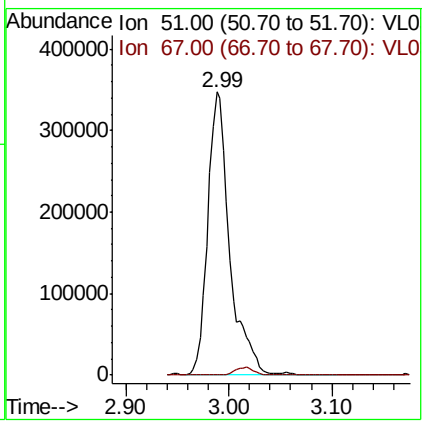


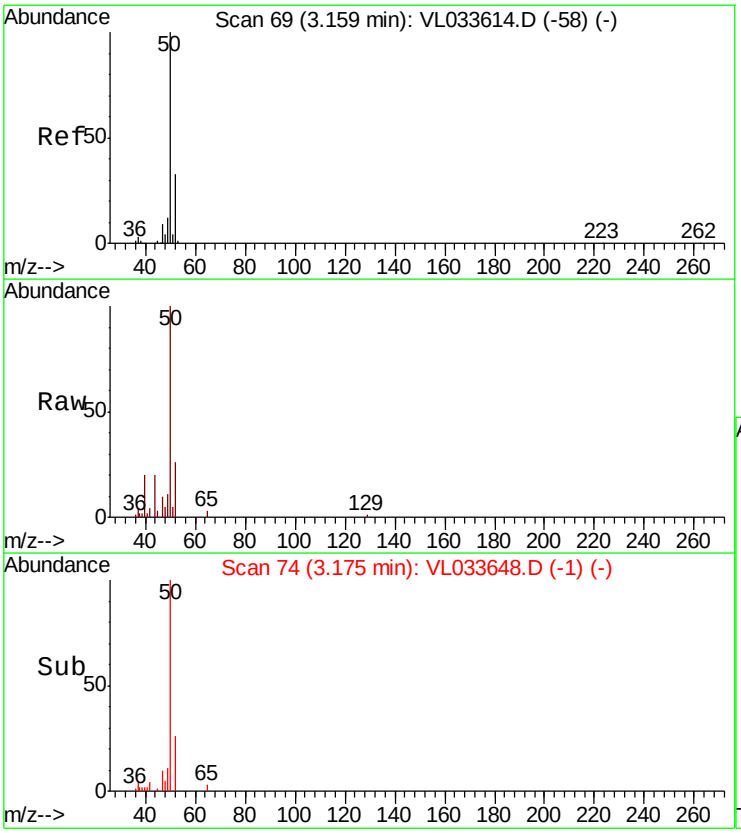
#3
Chlorodifluoromethane
Concen: 4.812 ppbv
RT: 2.99 min Scan# 16
Delta R.T. -0.01 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Instrument :
MSVOA_L
ClientSampleId :
A-12

Tgt Ion: 51 Resp: 512622

Ion	Ratio	Lower	Upper
51	100		
67	2.4	15.6	23.4#

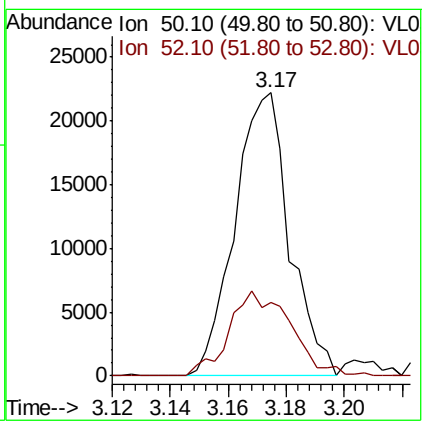


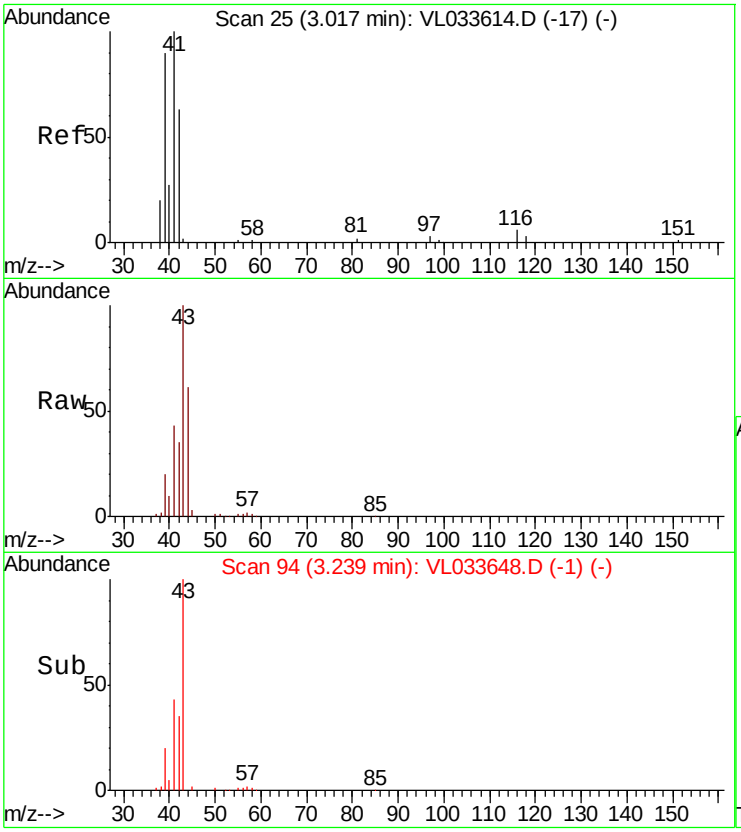


#4
Chloromethane
Concen: 0.502 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.02 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Tgt Ion: 50 Resp: 29152

Ion	Ratio	Lower	Upper
50	100		
52	25.9	26.0	39.0#



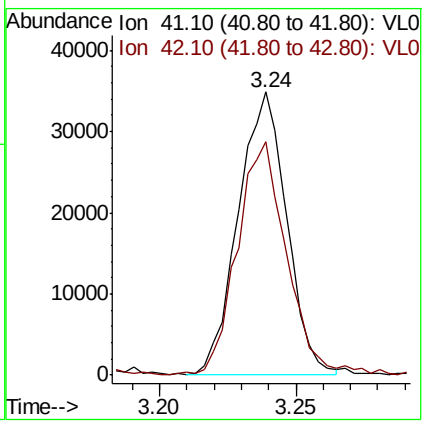


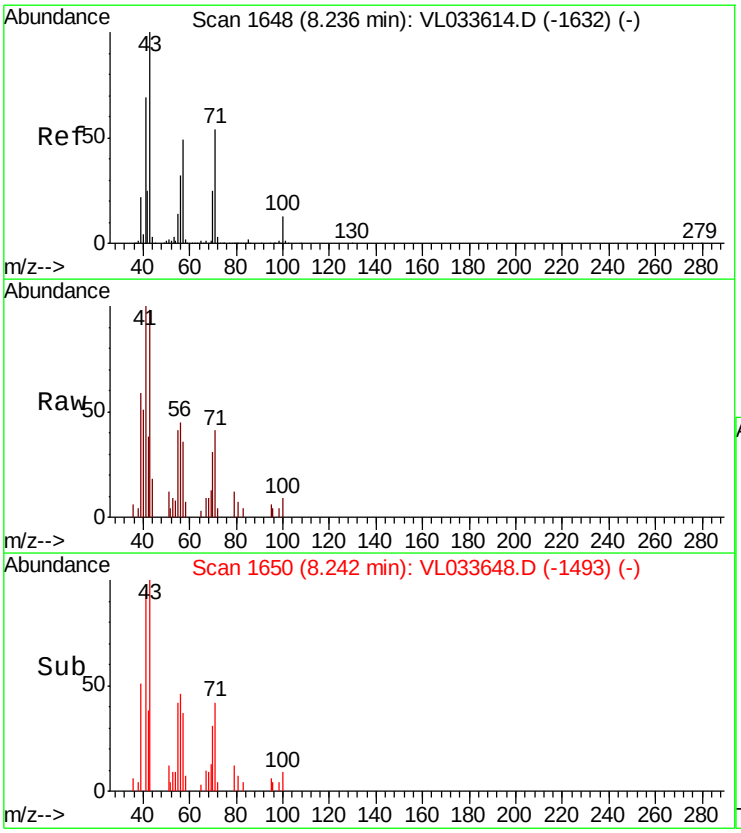
#9
Propene
Concen: 1.406 ppbv
RT: 3.24 min Scan# 94
Delta R.T. 0.22 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Instrument : MSVOA_L
ClientSampleId : A-12

Tgt Ion: 41 Resp: 42879

Ion	Ratio	Lower	Upper
41	100		
42	84.8	66.0	99.0

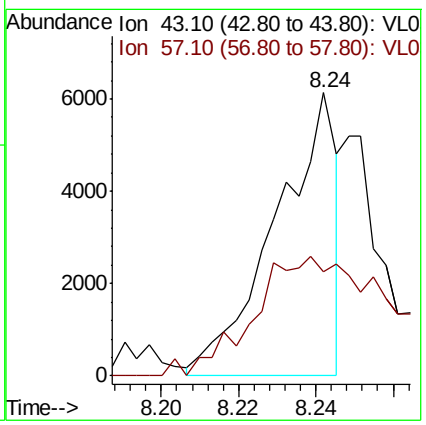


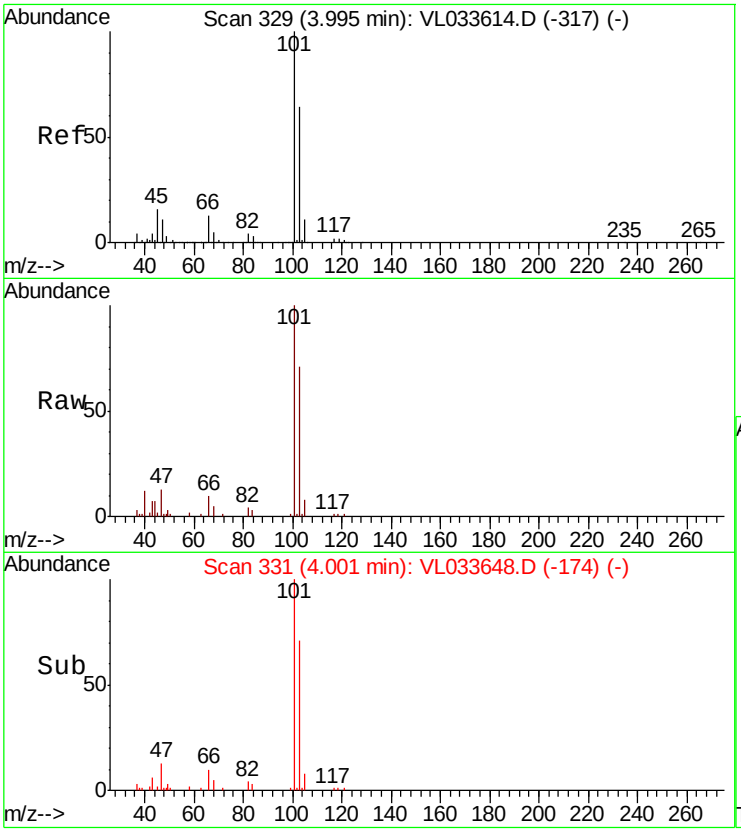


#10
Heptane
Concen: 0.059 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. 0.01 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Tgt Ion: 43 Resp: 6707

Ion	Ratio	Lower	Upper
43	100		
57	90.1	40.3	60.5#



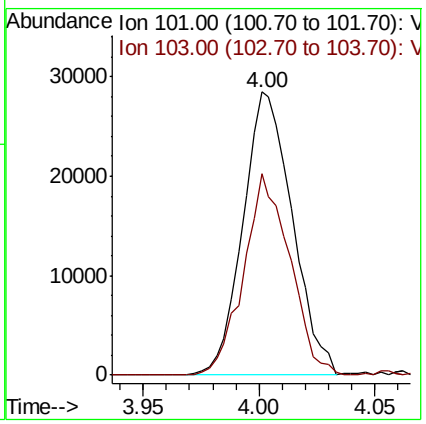


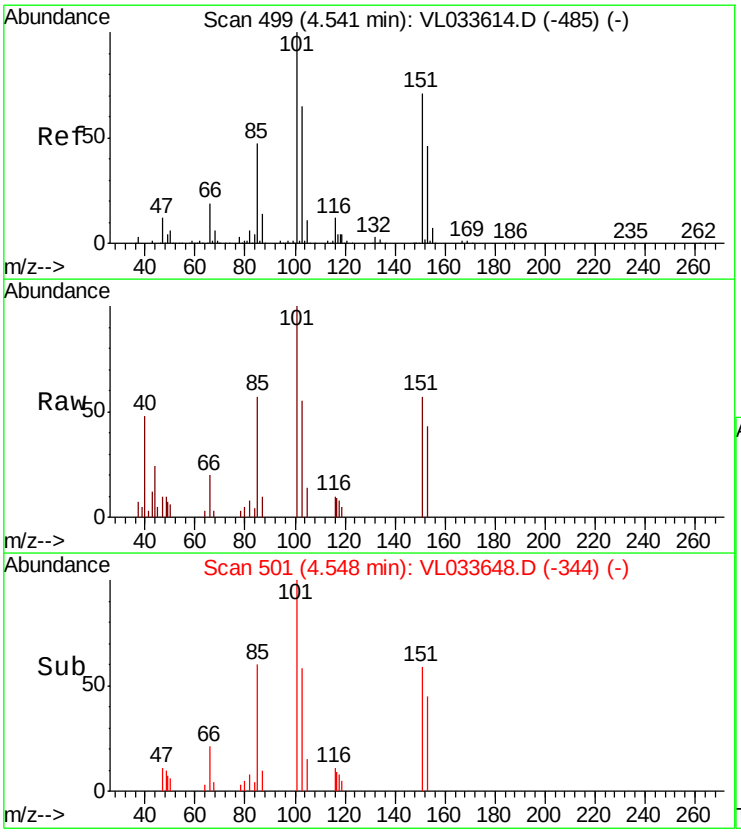
#11
Trichlorofluoromethane
Concen: 0.264 ppbv
RT: 4.00 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Instrument :
MSVOA_L
ClientSampleId :
A-12

Tgt Ion:101 Resp: 42115

Ion	Ratio	Lower	Upper
101	100		
103	71.0	51.2	76.8

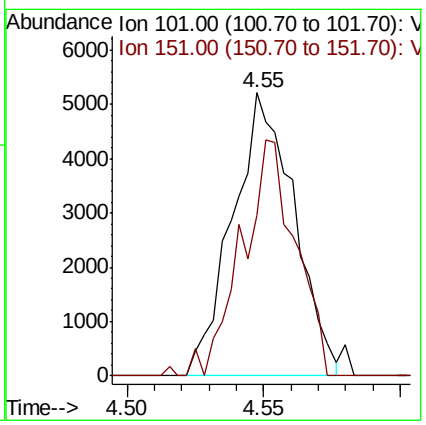


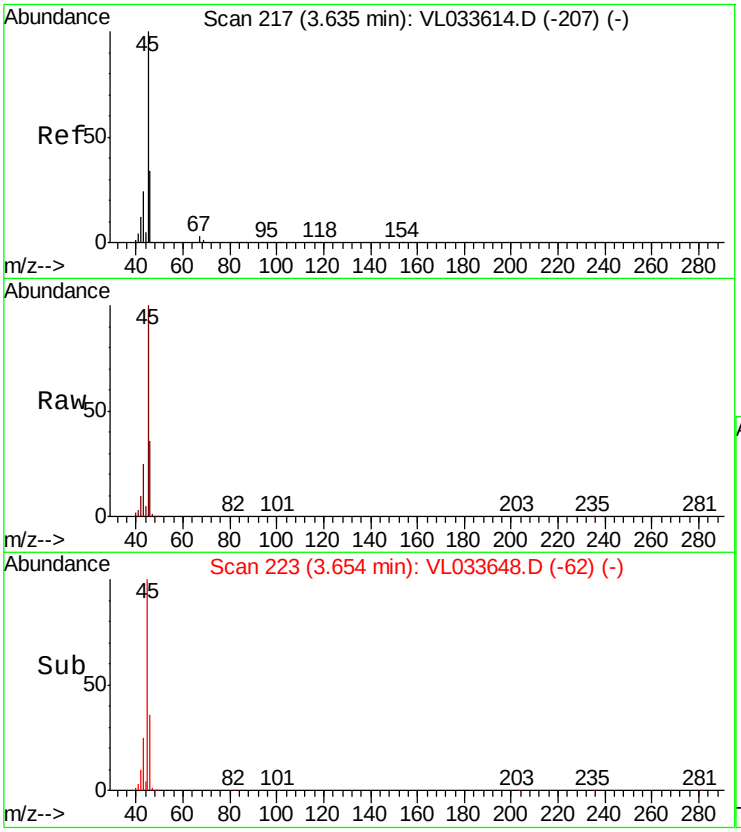


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.074 ppbv
RT: 4.55 min Scan# 501
Delta R.T. 0.01 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Tgt Ion:101 Resp: 8148

Ion	Ratio	Lower	Upper
101	100		
151	73.3	59.2	88.8



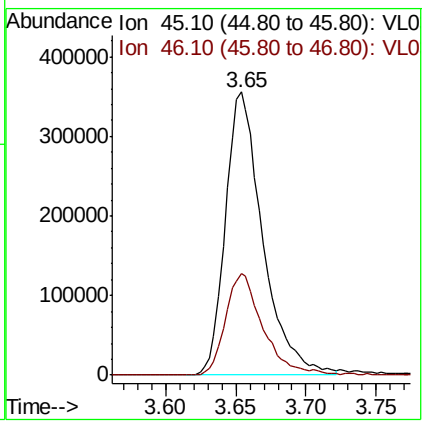


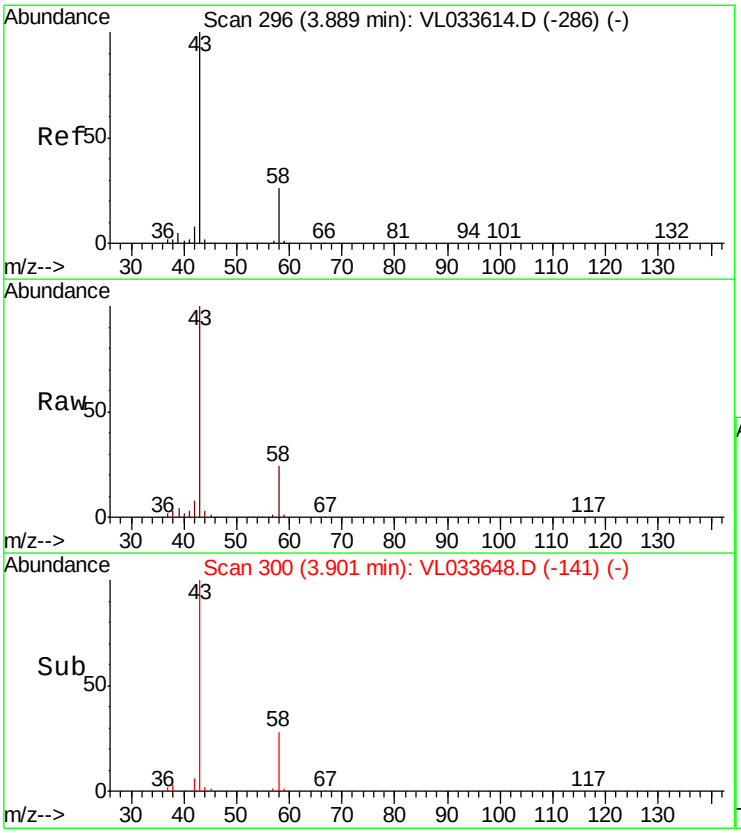
#13
Ethanol
Concen: 47.507 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.02 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Instrument : MSVOA_L
ClientSampleId : A-12

Tgt Ion: 45 Resp: 657106

Ion	Ratio	Lower	Upper
45	100		
46	36.4	14.6	58.2

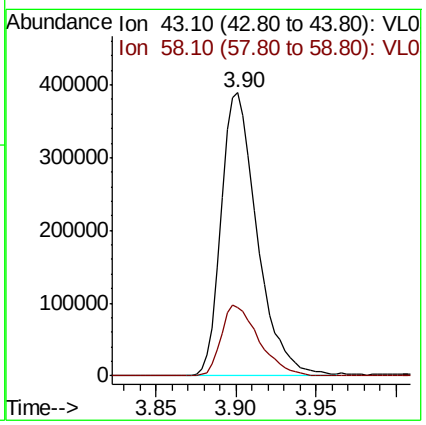


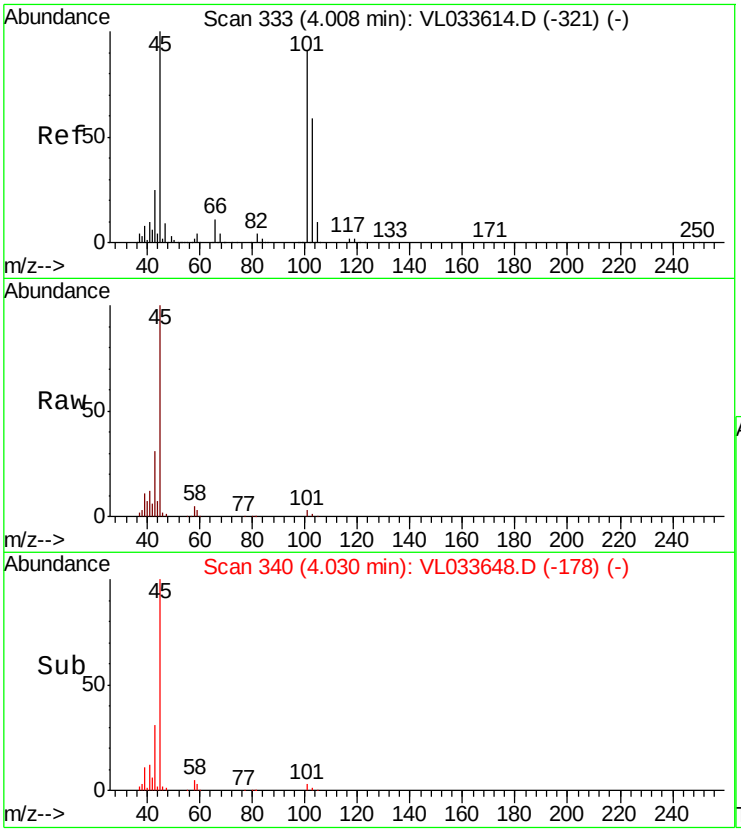


#15
Acetone
Concen: 5.513 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.01 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Tgt Ion: 43 Resp: 598038

Ion	Ratio	Lower	Upper
43	100		
58	26.2	21.2	31.8



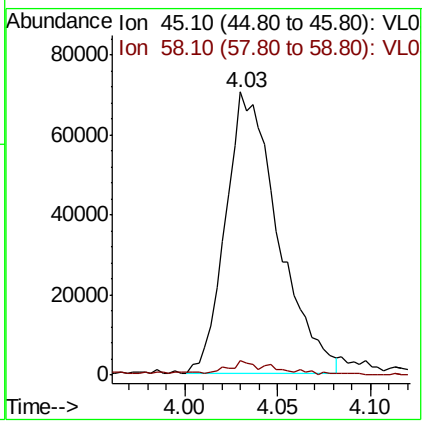


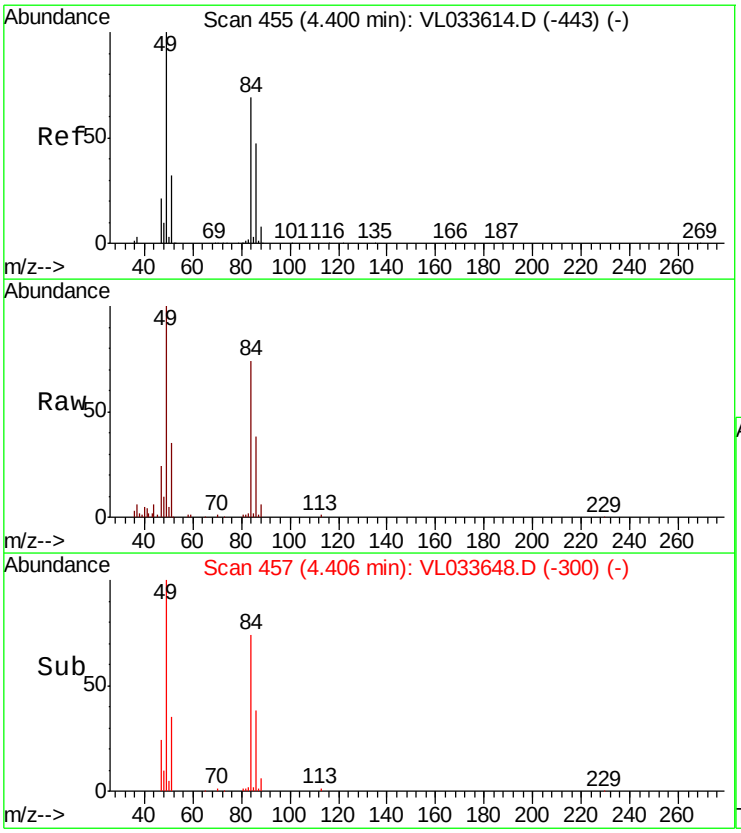
#19
Isopropyl Alcohol
Concen: 1.857 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.02 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Instrument : MSVOA_L
ClientSampleId : A-12

Tgt Ion: 45 Resp: 138256

Ion	Ratio	Lower	Upper
45	100		
58	5.4	1.8	2.6#

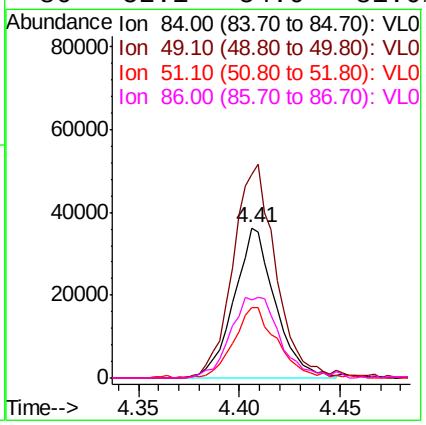


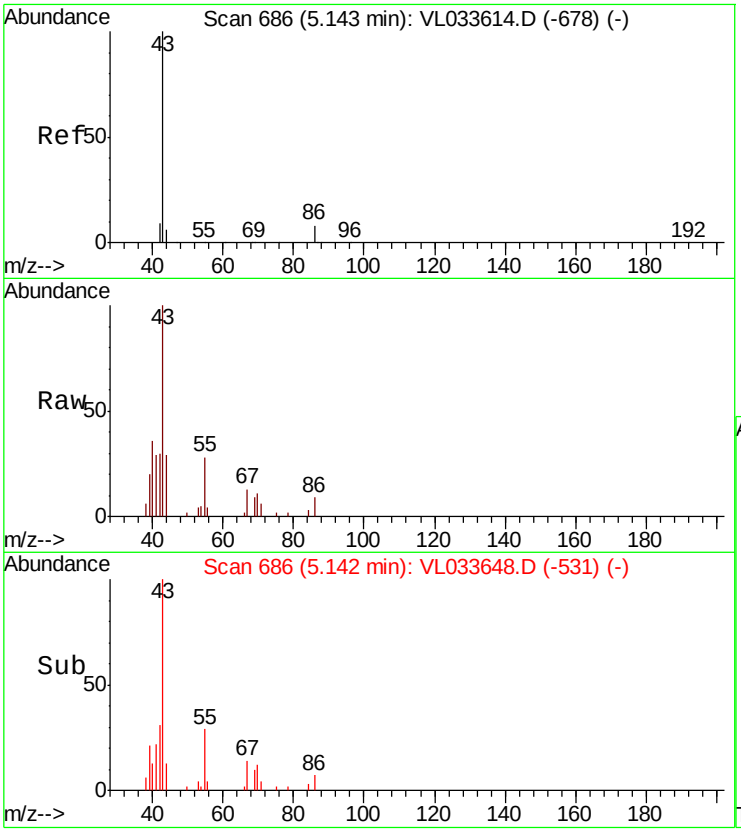


#20
Methylene Chloride
Concen: 1.226 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.01 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Tgt Ion: 84 Resp: 51845

Ion	Ratio	Lower	Upper
84	100		
49	135.2	116.2	174.2
51	47.4	37.0	55.6
86	52.1	54.0	81.0#



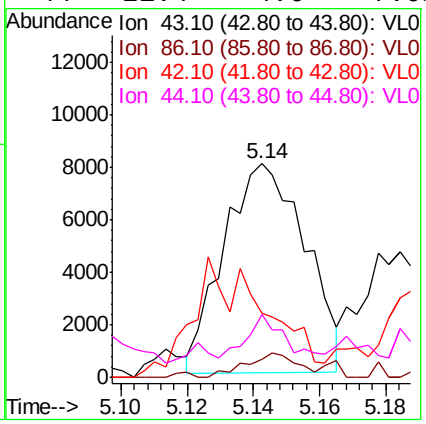


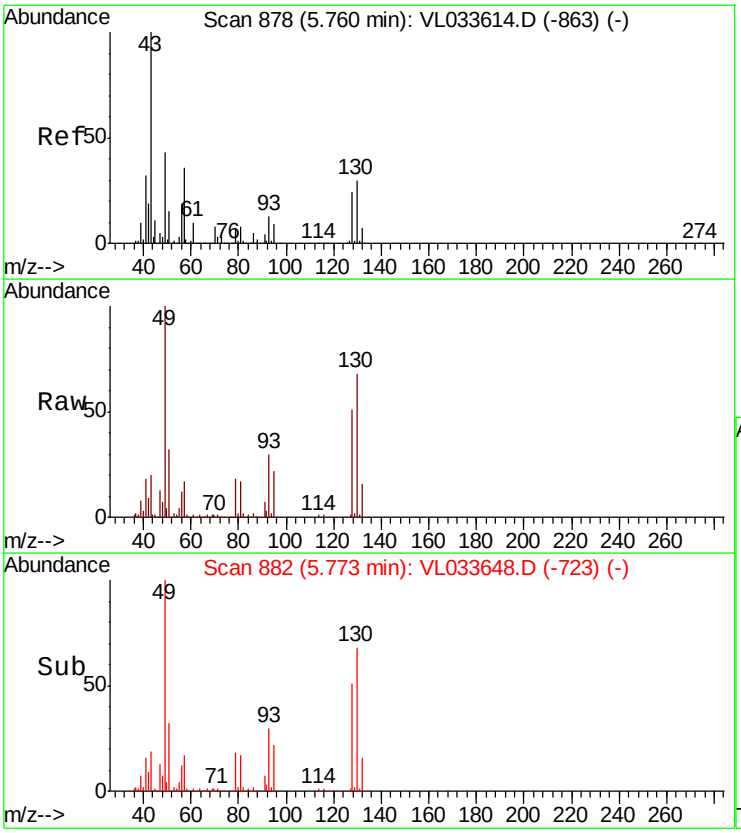
#23
Vinyl Acetate
Concen: 0.085 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.00 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Instrument : MSVOA_L
ClientSampleId : A-12

Tgt Ion: 43 Resp: 13714

Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.8	8.8
42	18.8	7.8	11.8#
44	21.4	4.6	7.0#

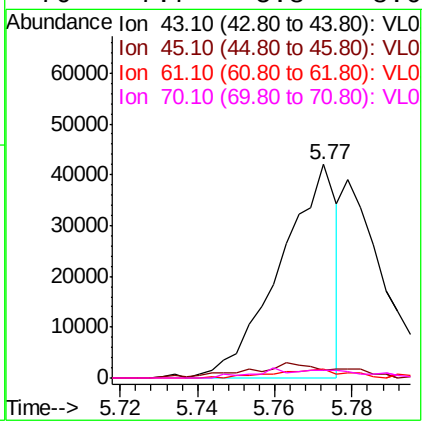


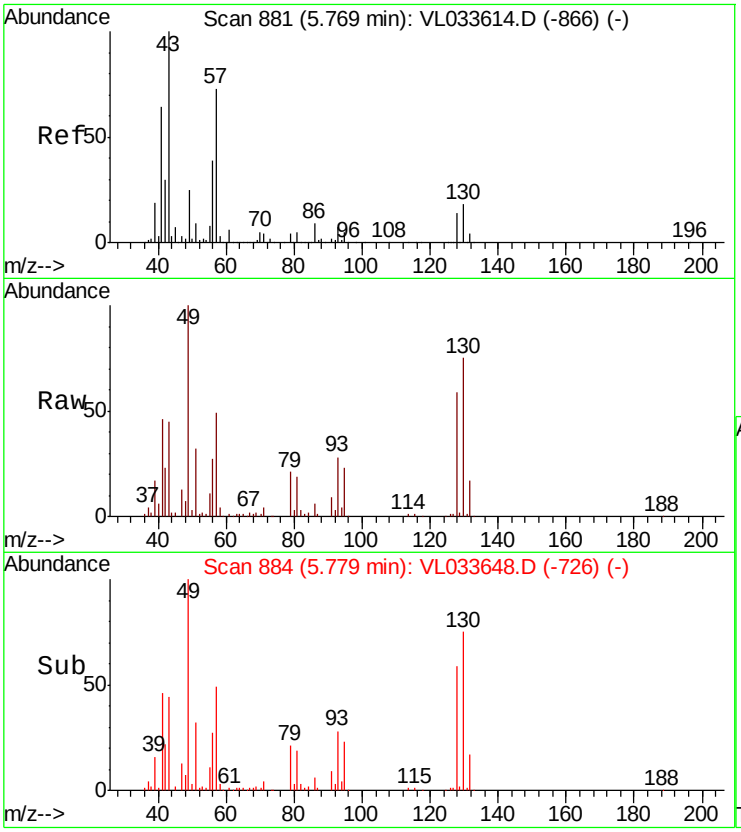


#25
Ethyl Acetate
Concen: 0.209 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Tgt Ion: 43 Resp: 42943

Ion	Ratio	Lower	Upper
43	100		
45	12.1	8.1	12.1
61	6.1	7.5	11.3#
70	7.7	5.8	8.6



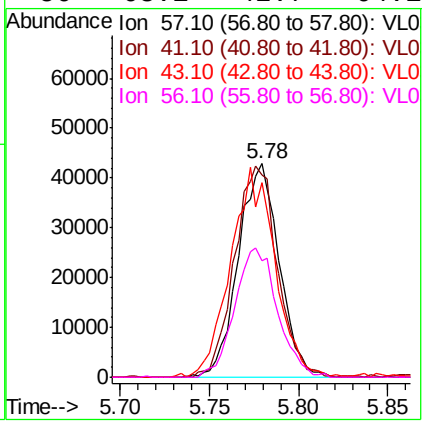


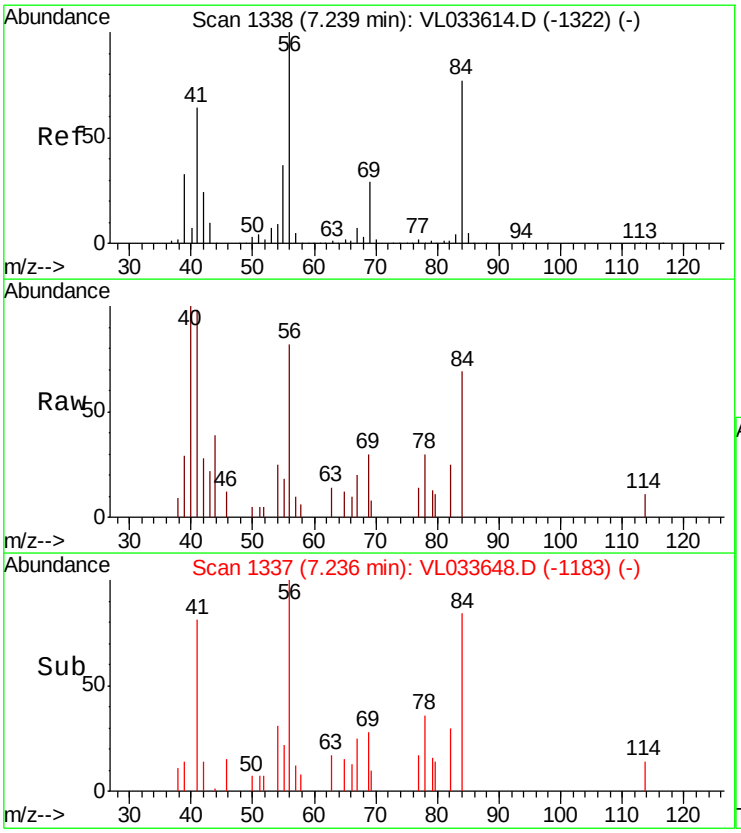
#26
Hexane
Concen: 0.791 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.01 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Instrument : MSVOA_L
ClientSampleId : A-12

Tgt Ion: 57 Resp: 68562

Ion	Ratio	Lower	Upper
57	100		
41	104.0	70.6	106.0
43	106.9	186.0	279.0#
56	63.1	42.7	64.1

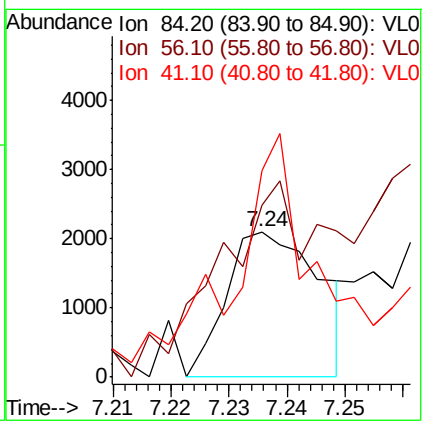


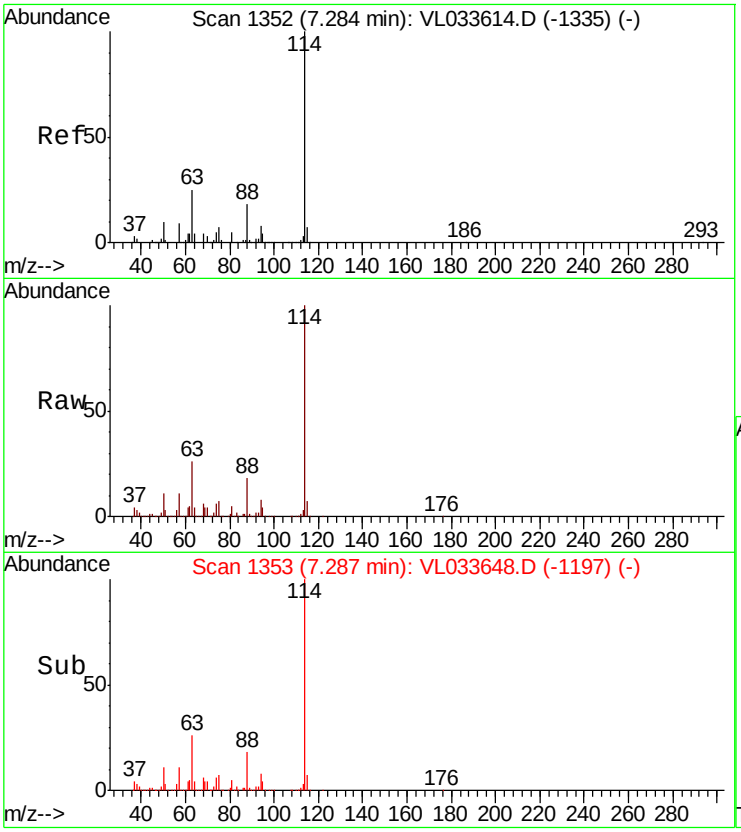


#30
Cyclohexane
Concen: 0.032 ppbv
RT: 7.24 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Tgt Ion: 84 Resp: 2341

Ion	Ratio	Lower	Upper
84	100		
56	0.0	108.4	162.6#
41	233.1	67.0	100.4#



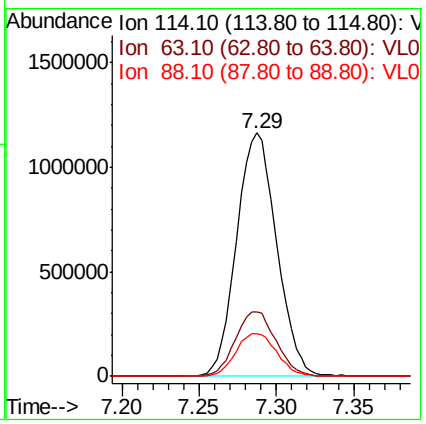


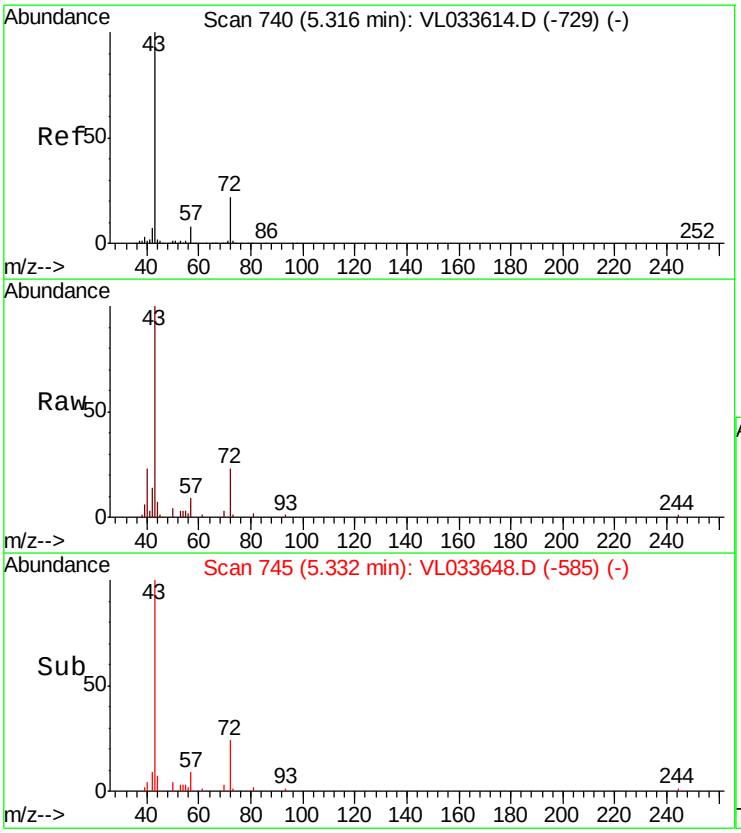
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Instrument :
MSVOA_L
ClientSampleId :
A-12

Tgt Ion:114 Resp: 2102486

Ion	Ratio	Lower	Upper
114	100		
63	27.1	21.1	31.7
88	18.0	14.2	21.4

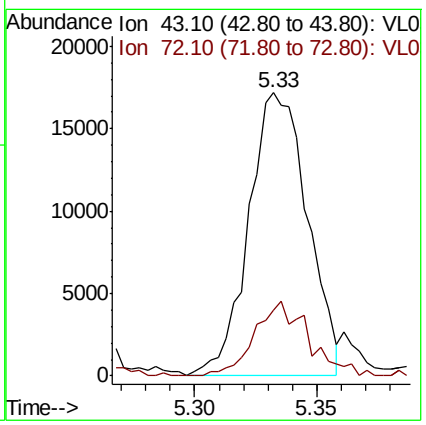


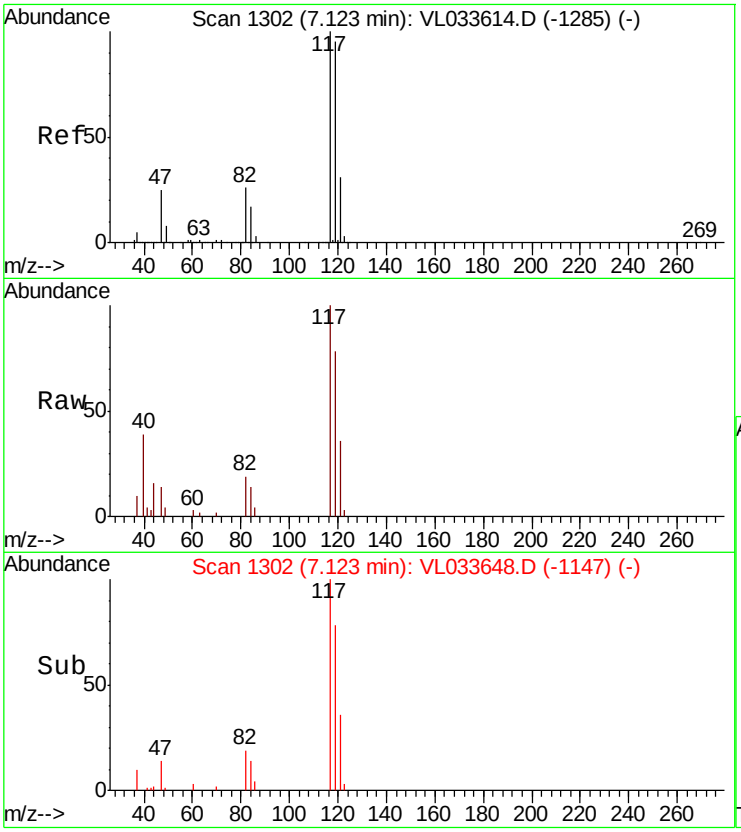


#34
2-Butanone
Concen: 0.222 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.02 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Tgt Ion: 43 Resp: 28717

Ion	Ratio	Lower	Upper
43	100		
72	24.1	17.8	26.8



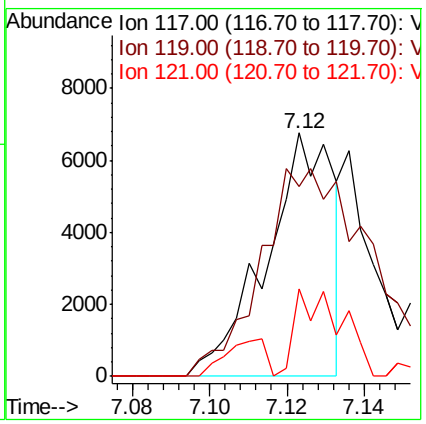


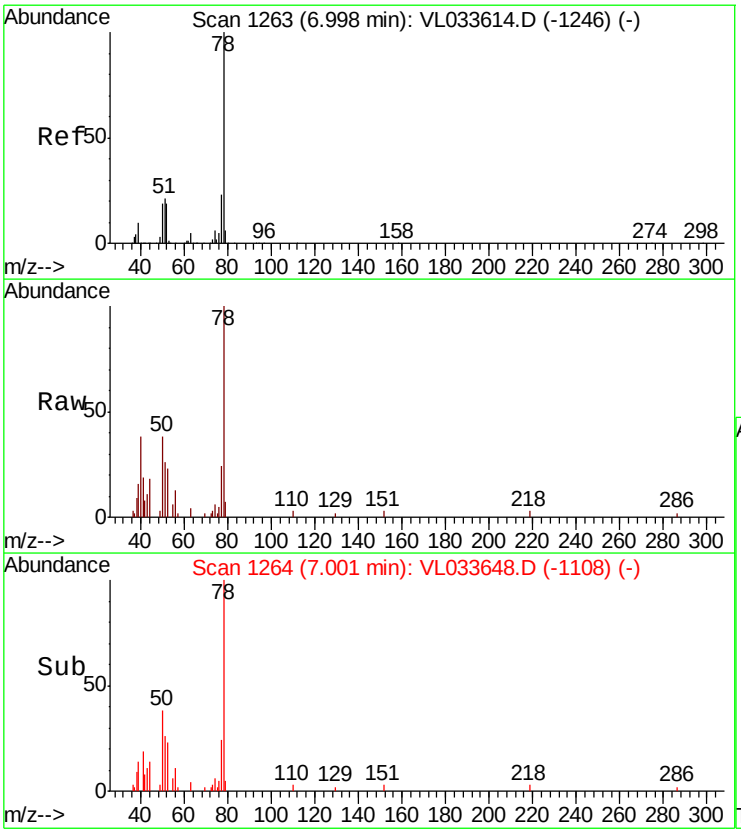
#35
Carbon Tetrachloride
Concen: 0.049 ppbv
RT: 7.12 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Instrument :
MSVOA_L
ClientSampleId :
A-12

Tgt Ion:117 Resp: 8120

Ion	Ratio	Lower	Upper
117	100		
119	77.9	76.2	114.4
121	36.1	24.9	37.3

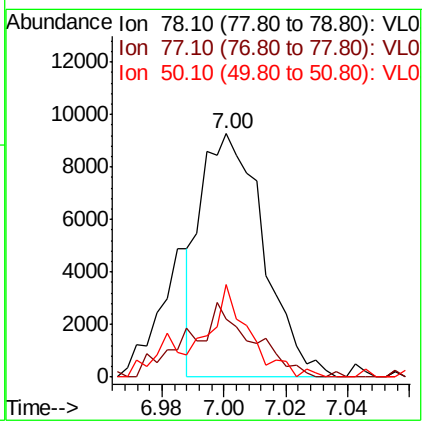


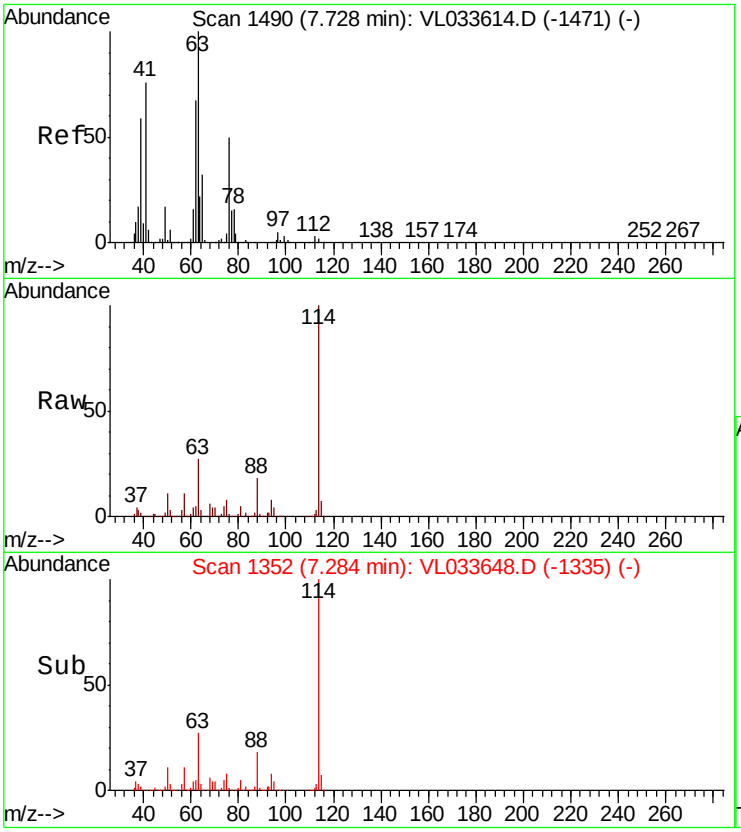


#36
Benzene
Concen: 0.073 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Tgt Ion: 78 Resp: 13007

Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.1	27.1
50	38.0	15.1	22.7#



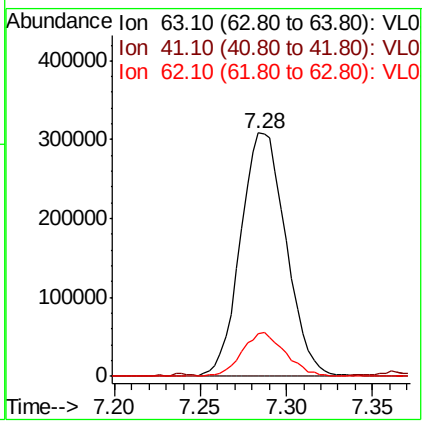


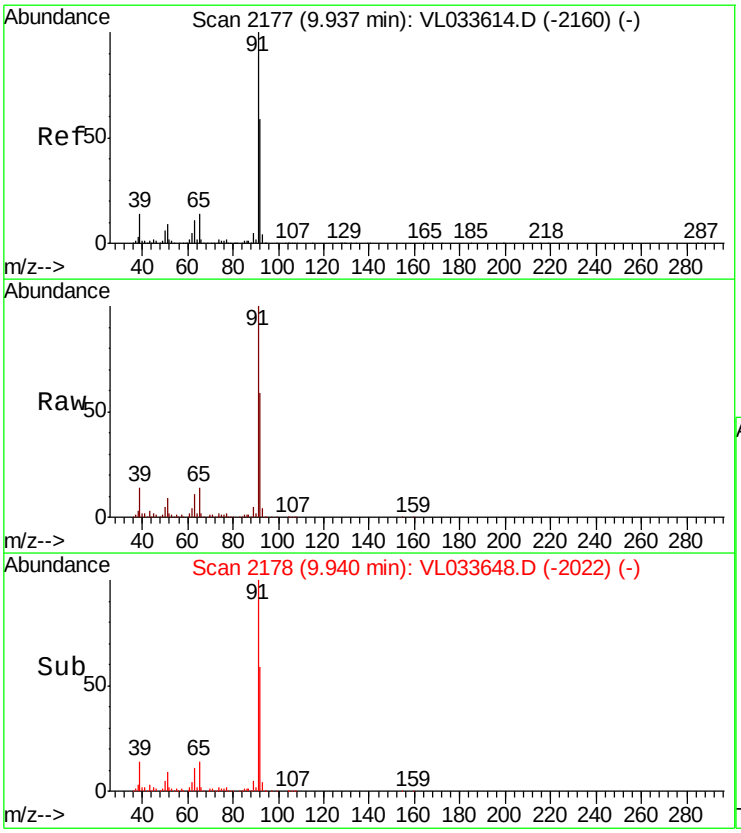
#39
1,2-Dichloropropane
Concen: 8.363 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.44 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Instrument : MSVOA_L
ClientSampleId : A-12

Tgt Ion: 63 Resp: 564934

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.9	91.3#
62	17.3	53.3	79.9#

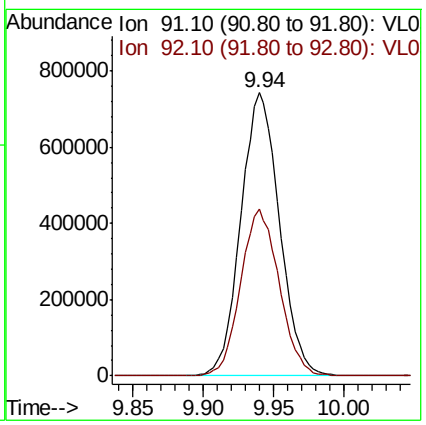


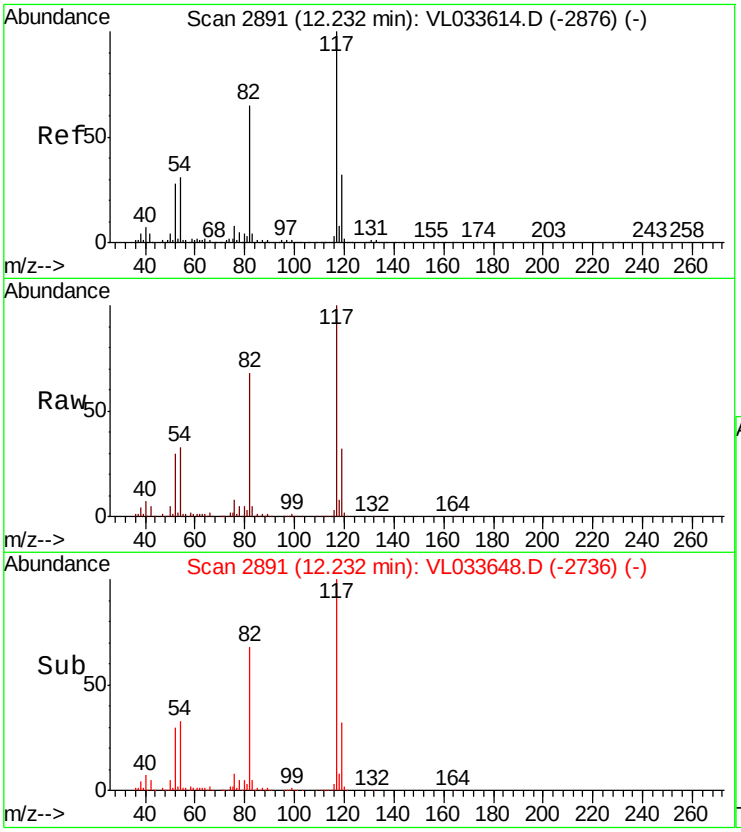


#53
Toluene
Concen: 6.307 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. 0.00 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Tgt Ion: 91 Resp: 1425897

Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.8	71.6



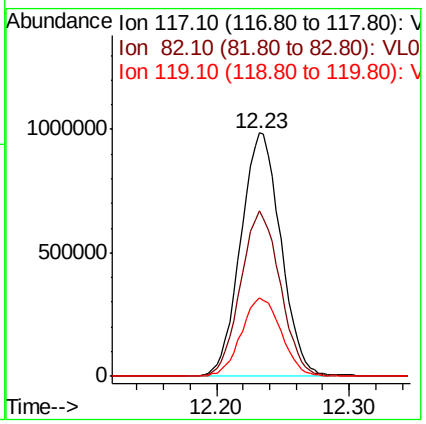


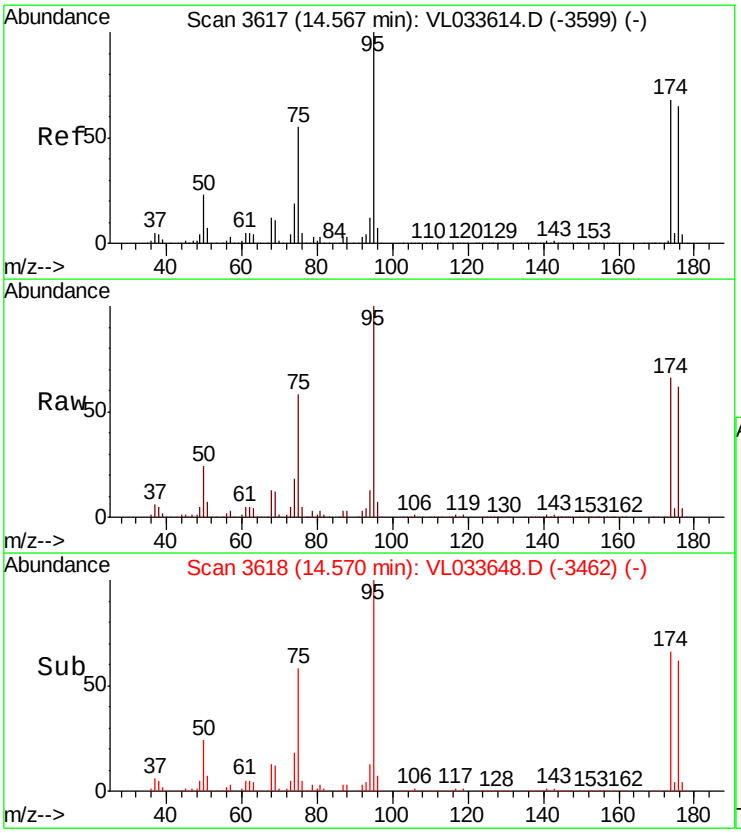
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.00 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Instrument : MSVOA_L
ClientSampleId : A-12

Tgt Ion:117 Resp: 2069397

Ion	Ratio	Lower	Upper
117	100		
82	67.5	52.6	78.8
119	32.2	28.3	42.5





#68
1-Bromo-4-Fluorobenzene
Concen: 11.040 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. 0.00 min
Lab File: VL033648.D
Acq: 3 May 2019 4:22

Tgt Ion: 95 Resp: 1739216

Ion	Ratio	Lower	Upper
95	100		
174	65.6	53.9	80.9
175	4.6	4.0	6.0