Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
Data File : VL033630.D
Acq On : 2 May 2019 16:24
Operator : SY/AP
Sample : K2628-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-3

Quant Time: May 03 02:28:27 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	821838	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2129150	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2247066	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1749726	10.23	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	53122	0.429	ppbv		99
3) Chlorodifluoromethane	2.99	51	505008	5.140	ppbv	#	63
4) Chloromethane	3.17	50	32536	0.608	ppbv		93
5) Vinyl Chloride	3.05	62	1042	0.019	ppbv		100
6) Bromomethane	3.52	94	404	0.012	ppbv	#	50
8) Dichlorotetrafluoroethane	3.22	85	2249	0.017	ppbv		88
9) Propene	3.24	41	40615	1.444	ppbv		92
10) Heptane	8.24	43	7870	0.076	ppbv	#	27
11) Trichlorofluoromethane	4.00	101	43710	0.297	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	8878	0.088	ppbv		93
13) Ethanol	3.65	45	761798	59.717	ppbv		100
15) Acetone	3.90	43	507693	5.074	ppbv		93
16) 1,3-Butadiene	3.34	39	4651	0.103	ppbv	#	7
19) Isopropyl Alcohol	4.03	45	191629	2.790	ppbv	#	94
20) Methylene Chloride	4.41	84	50514	1.295	ppbv	#	89
23) Vinyl Acetate	5.14	43	11925	0.080	ppbv	#	80
25) Ethyl Acetate	5.78	43	145766	0.768	ppbv	#	84
26) Hexane	5.78	57	174700	2.185	ppbv	#	42
27) Carbon Disulfide	4.62	76	1209	0.012	ppbv	#	1
34) 2-Butanone	5.33	43	25761	0.197	ppbv		98
35) Carbon Tetrachloride	7.13	117	8100	0.048	ppbv		88
36) Benzene	7.00	78	16053	0.088	ppbv		93
37) 1,2-Dichloroethane	6.40	62	2142	0.018	ppbv	#	84
39) 1,2-Dichloropropane	7.29	63	555931	8.126	ppbv	#	25
41) Tetrahydrofuran	5.78	42	76000	1.089	ppbv	#	48
53) Toluene	9.94	91	741718	3.240	ppbv		98
59) m/p-Xylene	13.15	91	2859	0.013	ppbv	#	100
60) o-Xylene	13.84	91	4785	0.021	ppbv		91
74) 1,2,4-Trimethylbenzene	16.92	105	11201	0.040	ppbv	#	76
79) Naphthalene	22.41	128	3287	0.013	ppbv	#	75
80) Naphthalene,2-methyl-	25.11	142	1919	0.017	ppbv		94

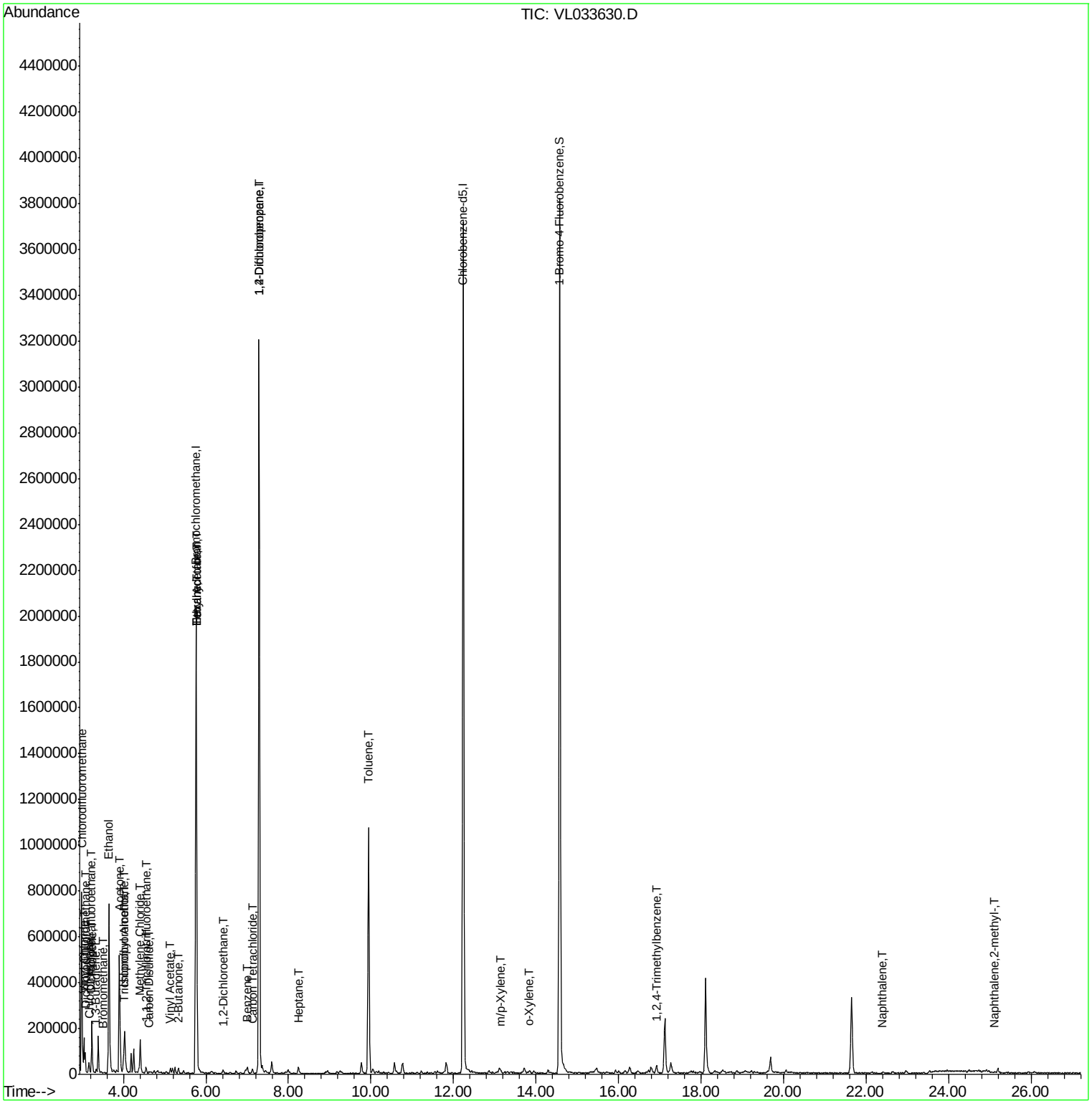
(#) = qualifier out of range (m) = manual integration (+) = signals summed

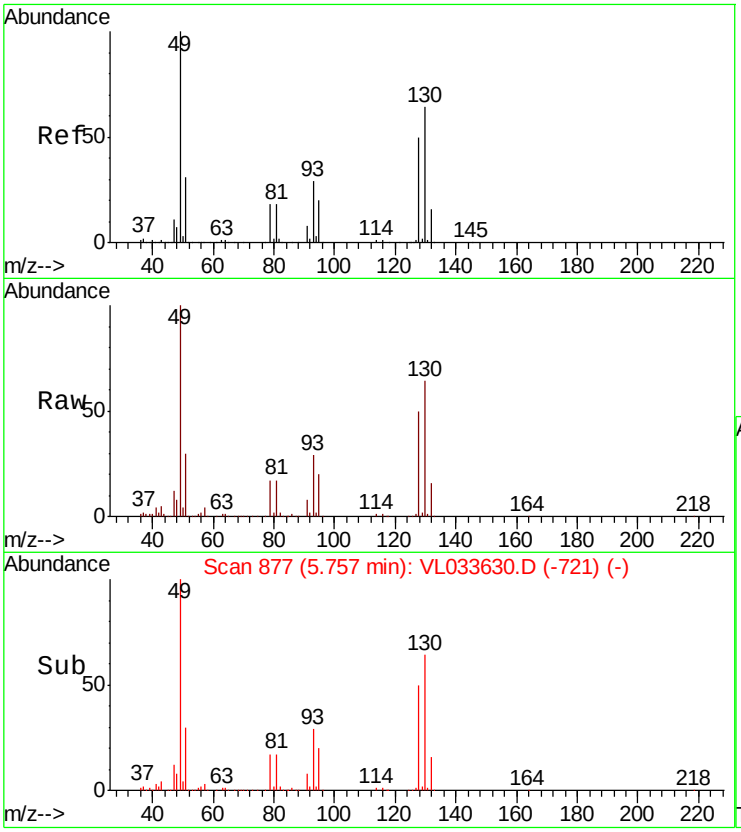
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
Data File : VL033630.D
Acq On : 2 May 2019 16:24
Operator : SY/AP
Sample : K2628-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-3

Quant Time: May 03 02:28:27 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



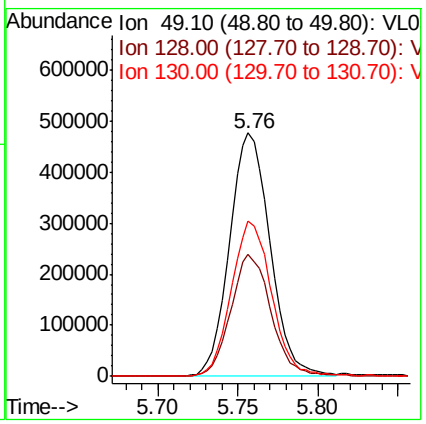


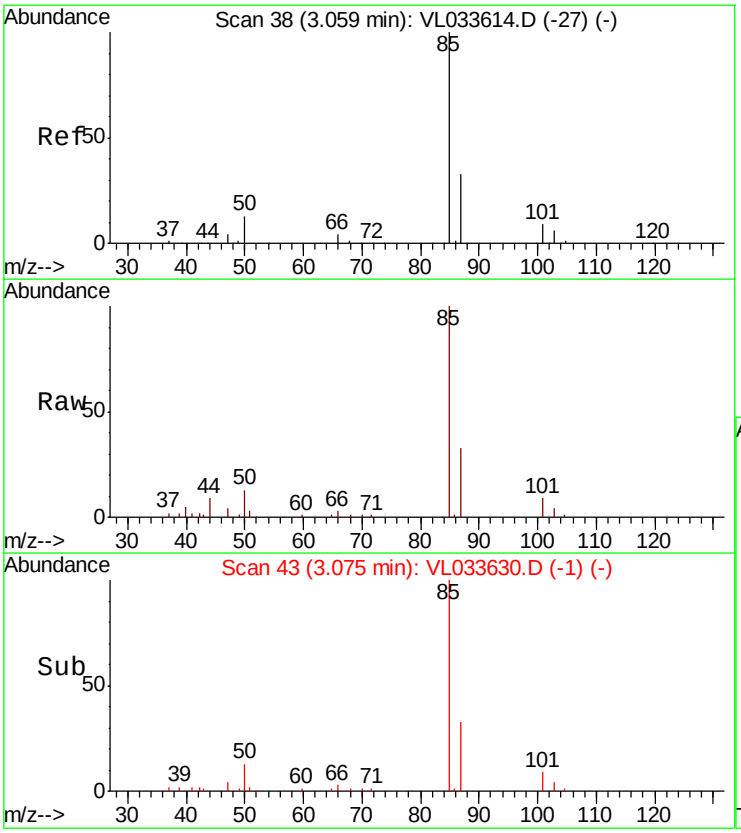
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. 0.00 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Instrument :
MSVOA_L
ClientSampleId :
A-3

Tgt Ion: 49 Resp: 821838

Ion	Ratio	Lower	Upper
49	100		
128	49.7	25.0	75.0
130	63.9	31.9	95.9

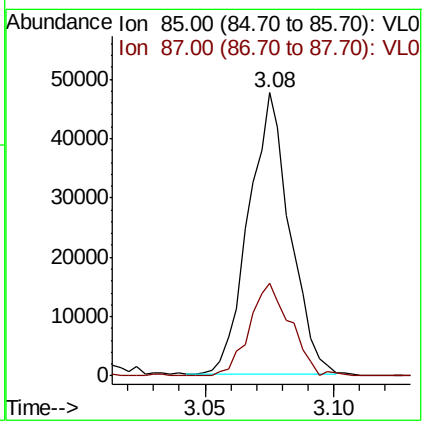


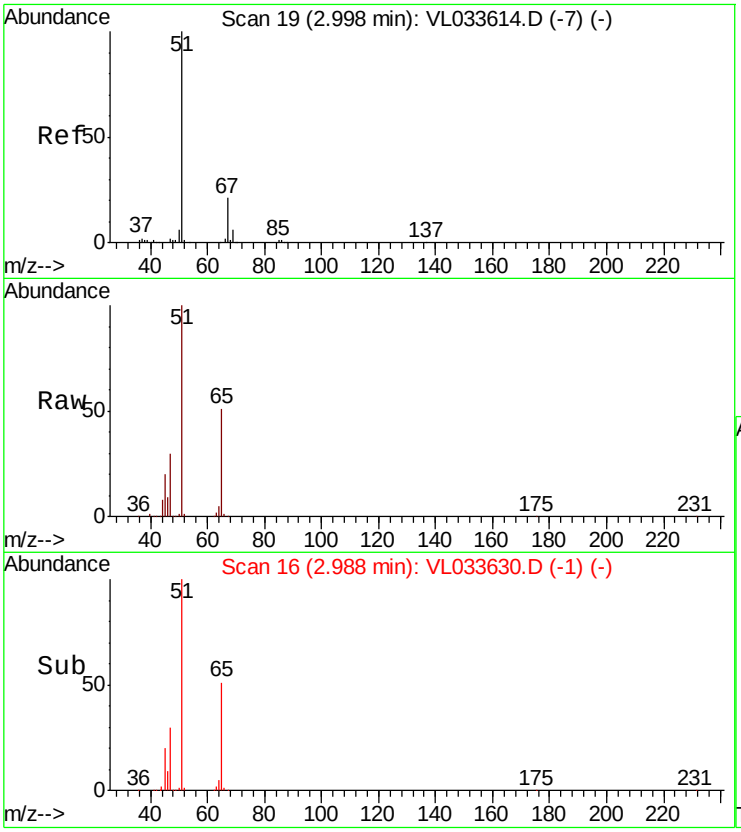


#2
Dichlorodifluoromethane
Concen: 0.429 ppbv
RT: 3.08 min Scan# 43
Delta R.T. 0.02 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Tgt Ion: 85 Resp: 53122

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.8	40.2



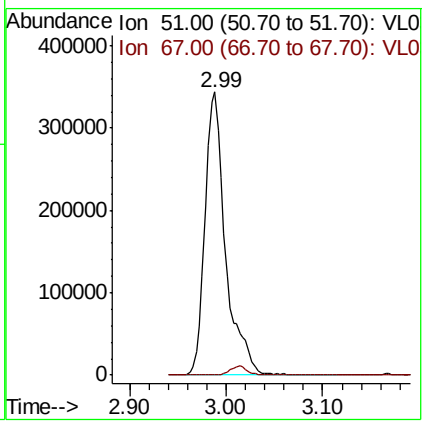


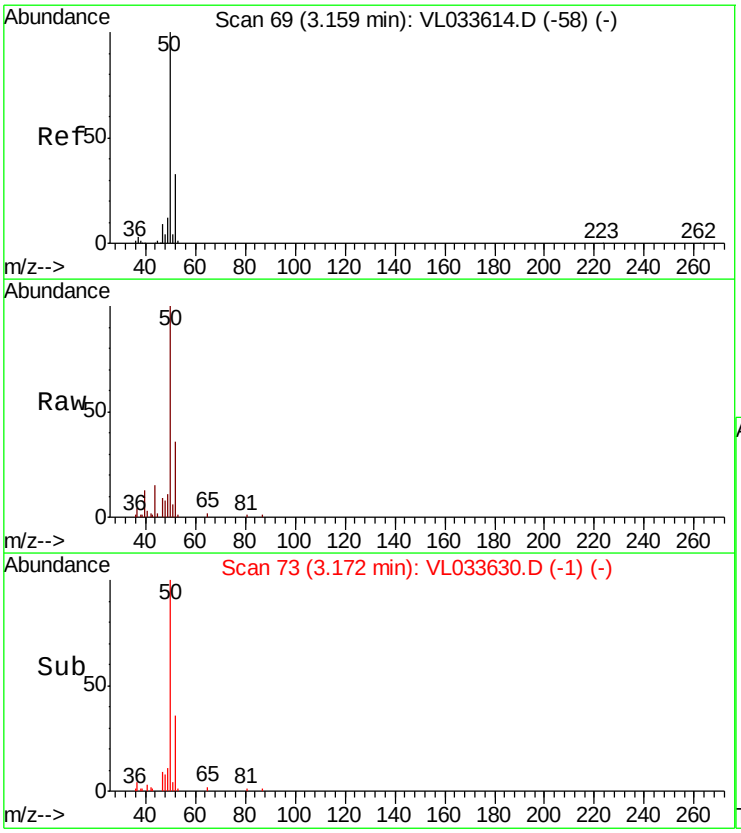
#3
Chlorodifluoromethane
Concen: 5.140 ppbv
RT: 2.99 min Scan# 16
Delta R.T. -0.01 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Instrument : MSVOA_L
ClientSampleId : A-3

Tgt Ion: 51 Resp: 505008

Ion	Ratio	Lower	Upper
51	100		
67	2.7	15.6	23.4#

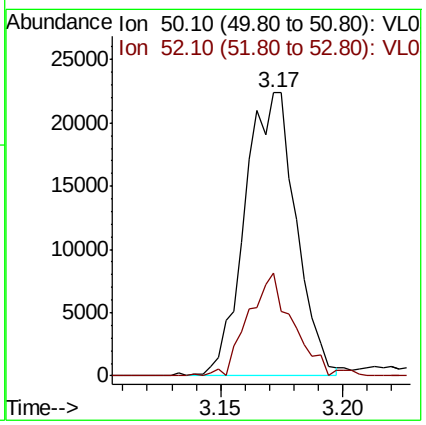


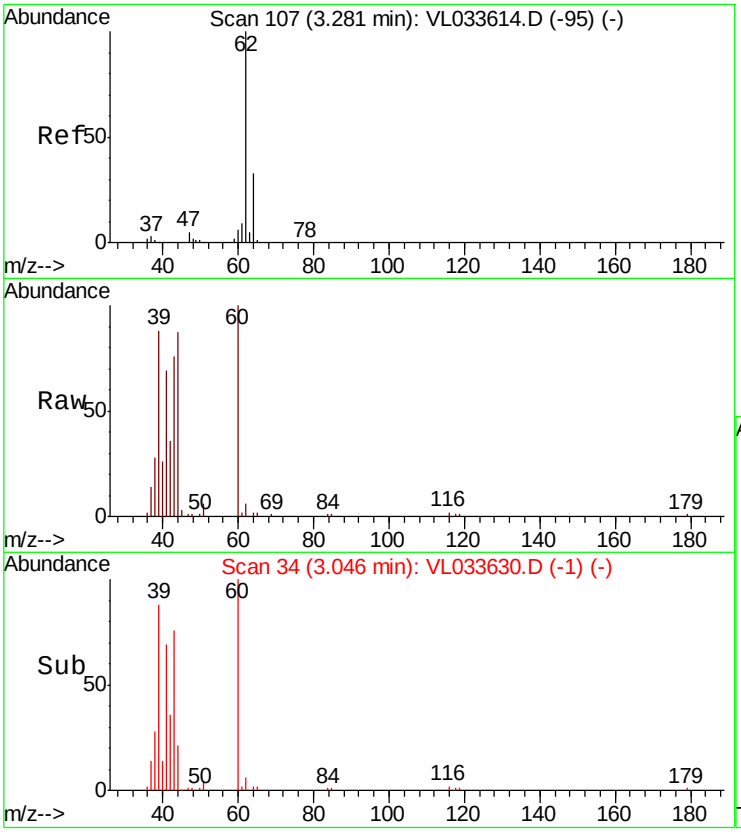


#4
Chloromethane
Concen: 0.608 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.01 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Tgt Ion: 50 Resp: 32536

Ion	Ratio	Lower	Upper
50	100		
52	36.3	26.0	39.0



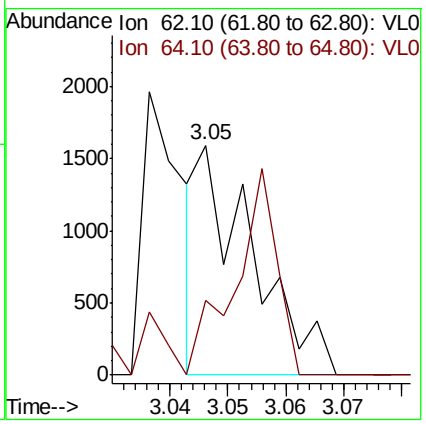


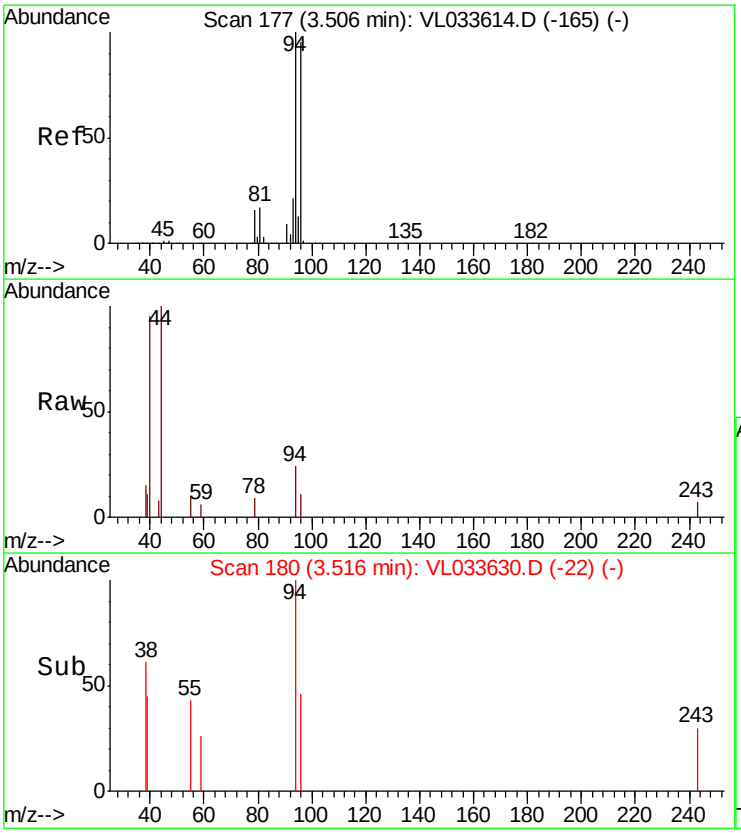
#5
Vinyl Chloride
Concen: 0.019 ppbv
RT: 3.05 min Scan# 34
Delta R.T. -0.23 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Instrument :
MSVOA_L
ClientSampleId :
A-3

Tgt Ion: 62 Resp: 1042

Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.2	39.4

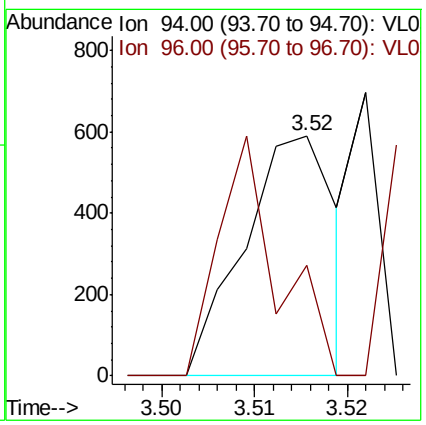


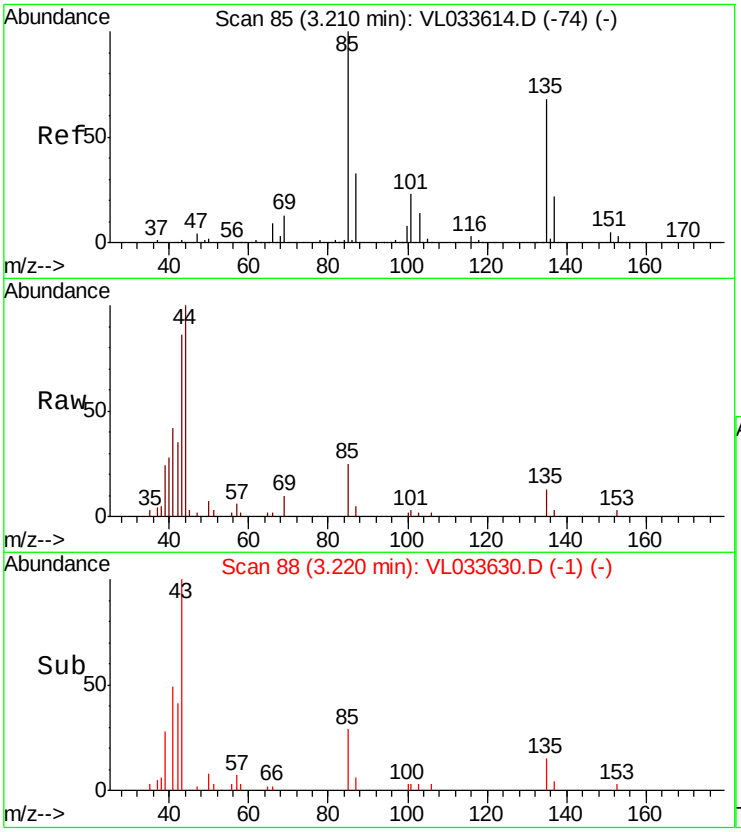


#6
Bromomethane
Concen: 0.012 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.01 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Tgt Ion: 94 Resp: 404

Ion	Ratio	Lower	Upper
94	100		
96	46.1	75.7	113.5#



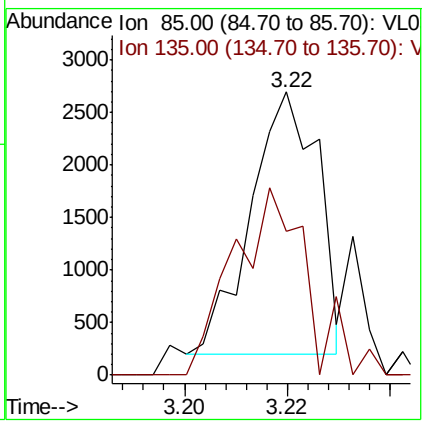


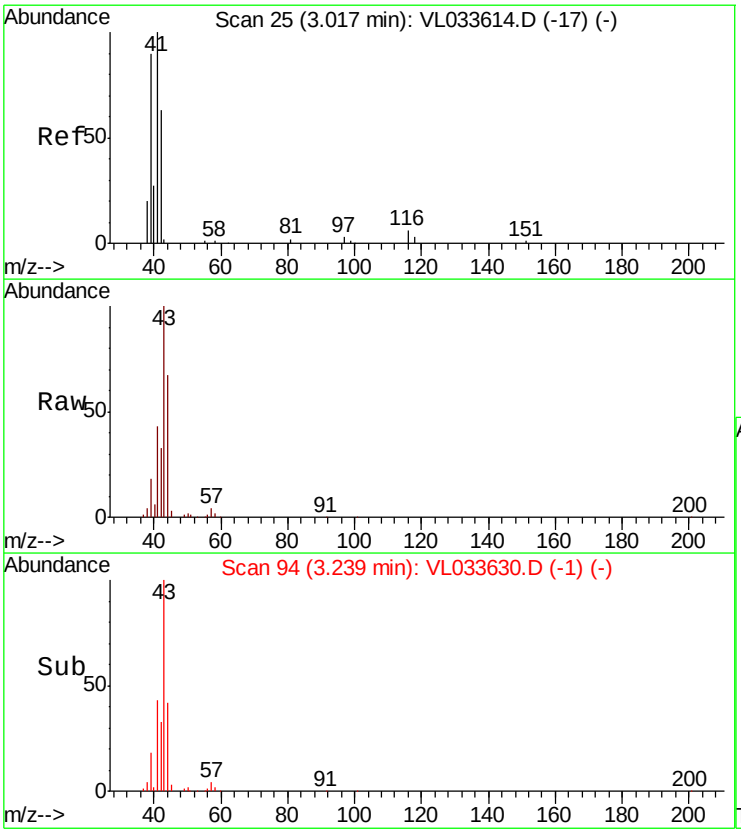
#8
Dichlorotetrafluoroethane
Concen: 0.017 ppbv
RT: 3.22 min Scan# 88
Delta R.T. 0.01 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Instrument : MSVOA_L
ClientSampleId : A-3

Tgt Ion: 85 Resp: 2249

Ion	Ratio	Lower	Upper
85	100		
135	78.6	55.0	82.6

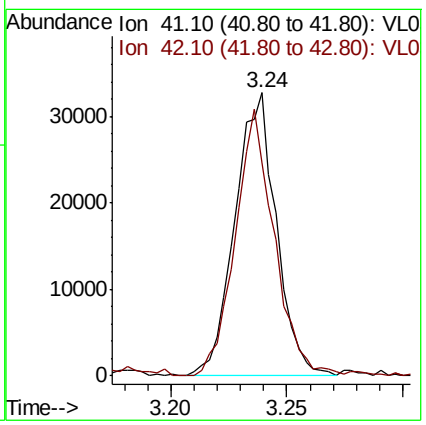


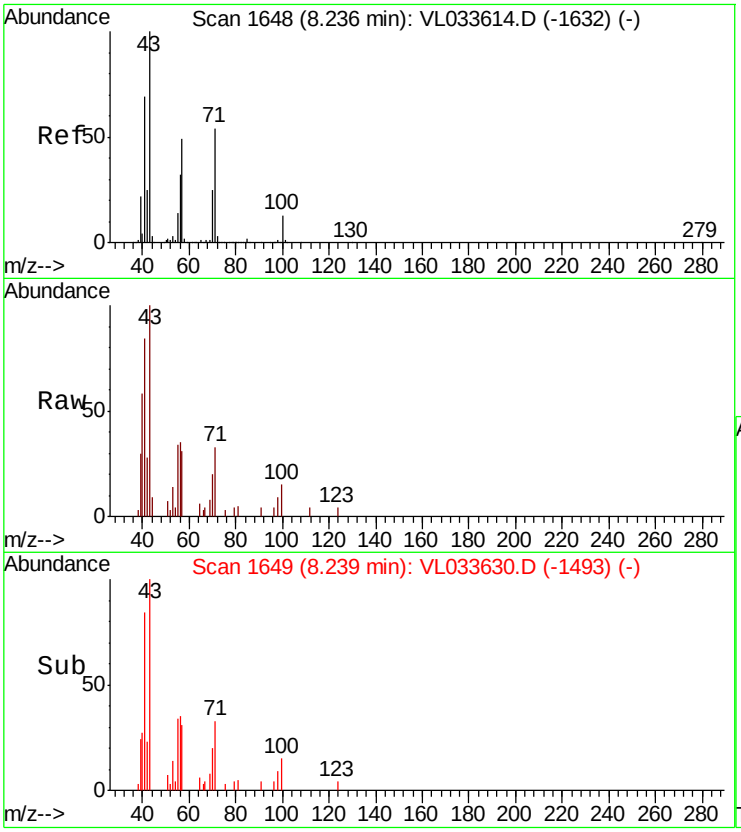


#9
Propene
Concen: 1.444 ppbv
RT: 3.24 min Scan# 94
Delta R.T. 0.22 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Tgt Ion: 41 Resp: 40615

Ion	Ratio	Lower	Upper
41	100		
42	90.0	66.0	99.0



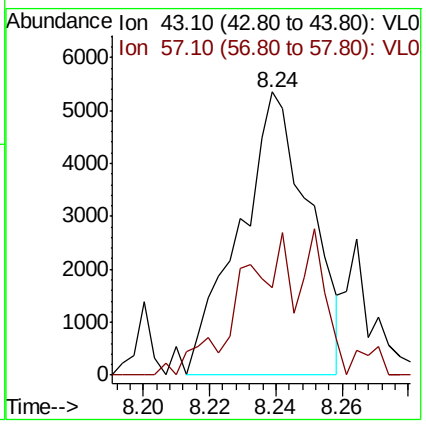


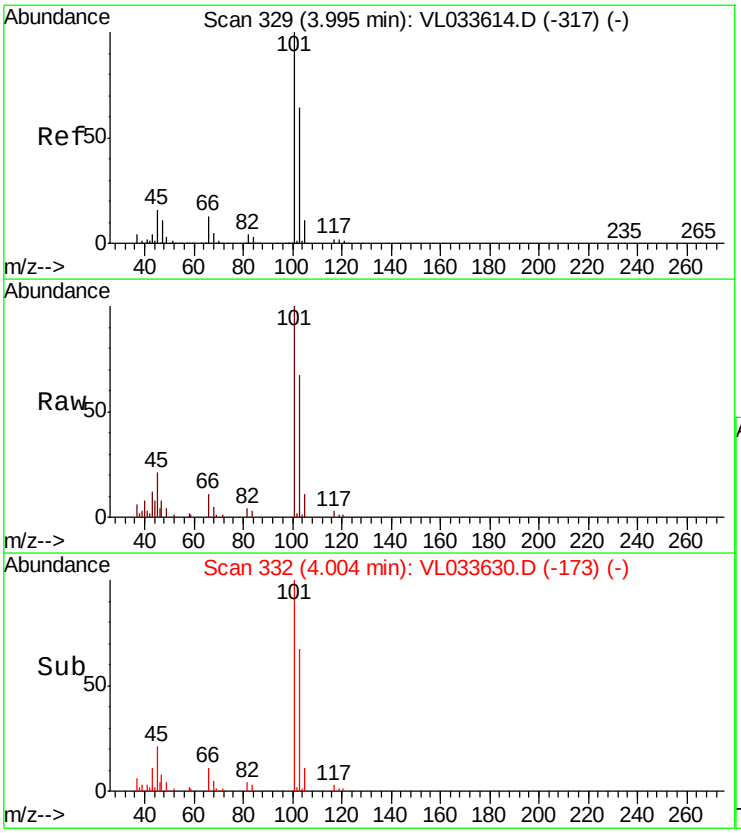
#10
Heptane
Concen: 0.076 ppbv
RT: 8.24 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Instrument :
MSVOA_L
ClientSampleId :
A-3

Tgt Ion: 43 Resp: 7870

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.3	60.5#

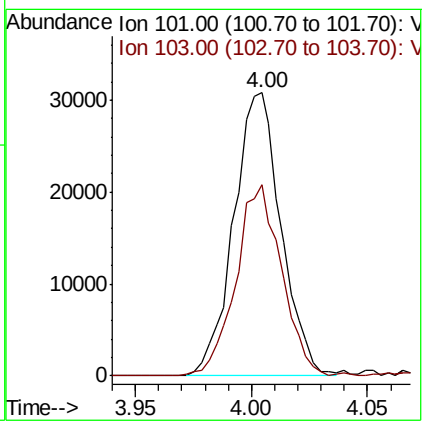


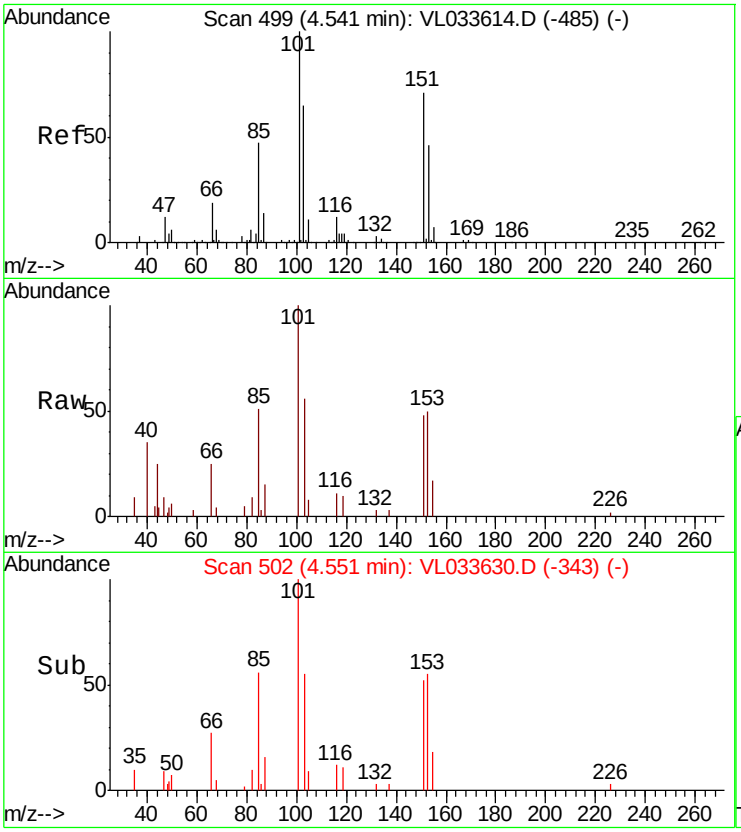


#11
Trichlorofluoromethane
Concen: 0.297 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Tgt Ion:101 Resp: 43710

Ion	Ratio	Lower	Upper
101	100		
103	66.9	51.2	76.8



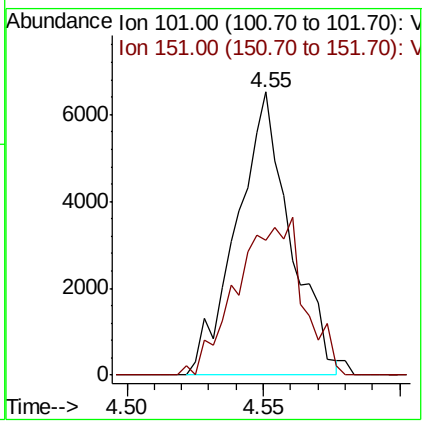


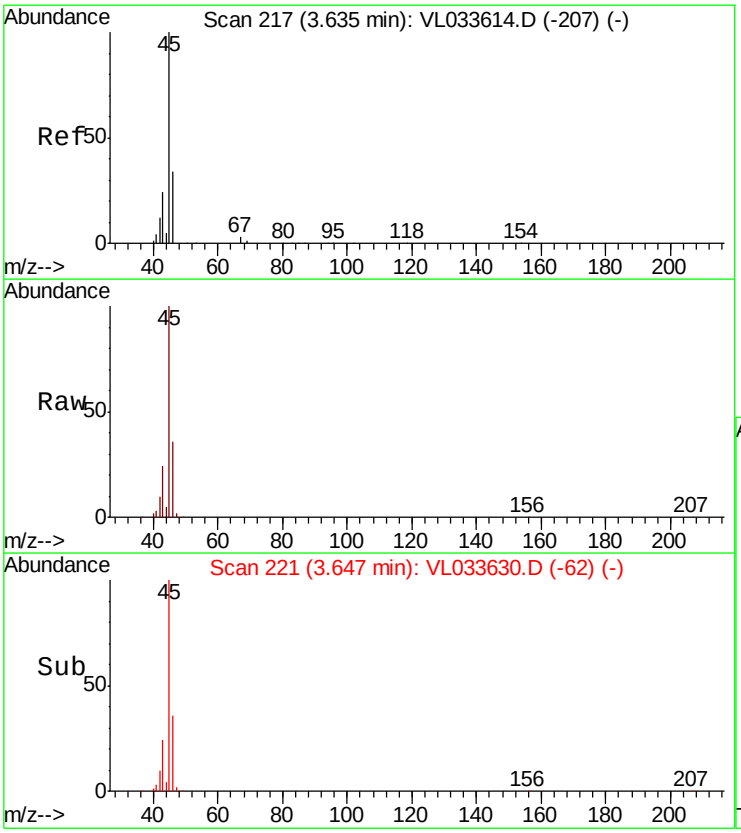
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.088 ppbv
RT: 4.55 min Scan# 502
Delta R.T. 0.01 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Instrument :
MSVOA_L
ClientSampleId :
A-3

Tgt Ion:101 Resp: 8878

Ion	Ratio	Lower	Upper
101	100		
151	68.4	59.2	88.8

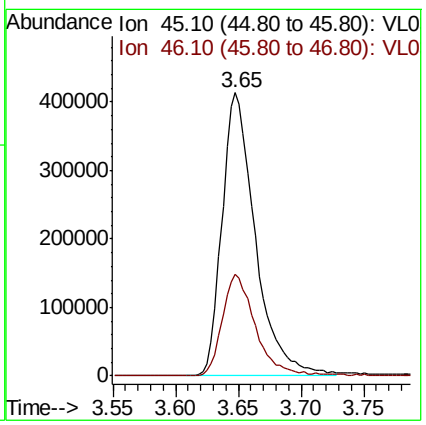


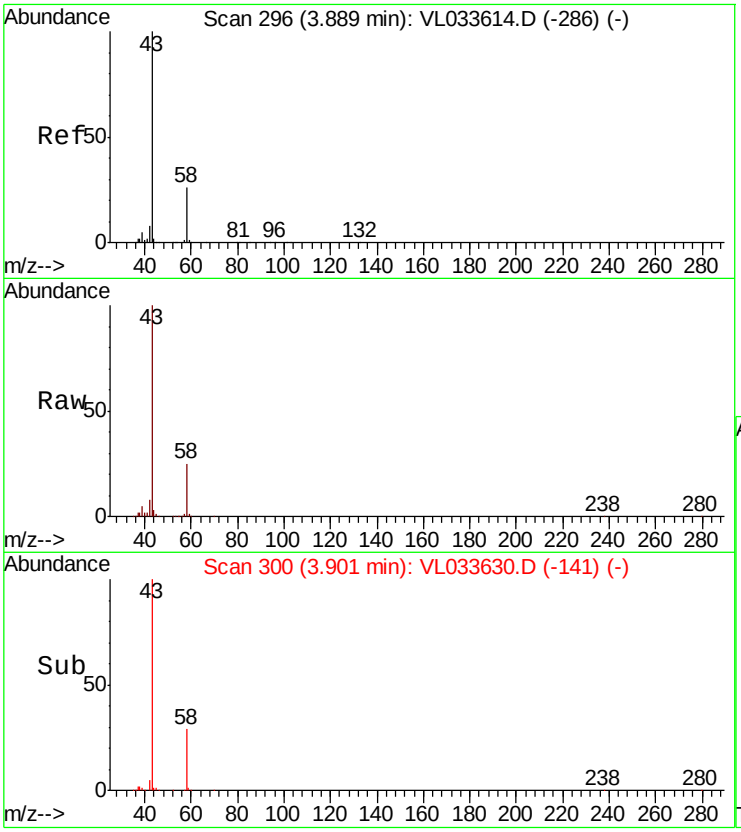


#13
Ethanol
Concen: 59.717 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.01 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Tgt Ion: 45 Resp: 761798

Ion	Ratio	Lower	Upper
45	100		
46	36.1	14.6	58.2



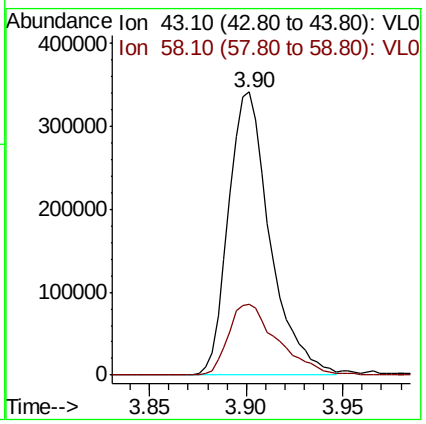


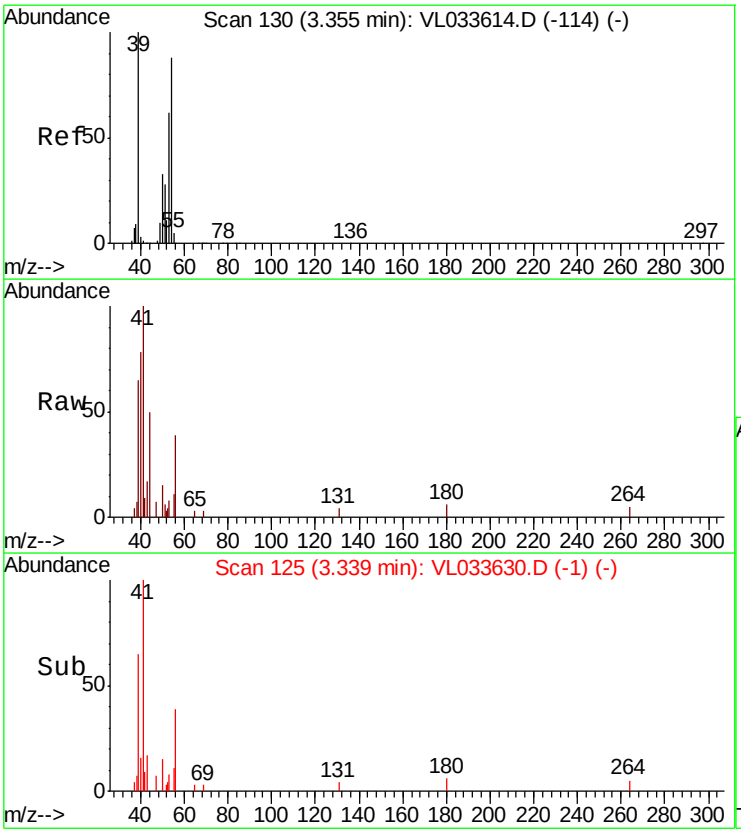
#15
Acetone
Concen: 5.074 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.01 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Instrument : MSVOA_L
ClientSampleId : A-3

Tgt Ion: 43 Resp: 507693

Ion	Ratio	Lower	Upper
43	100		
58	30.0	21.2	31.8

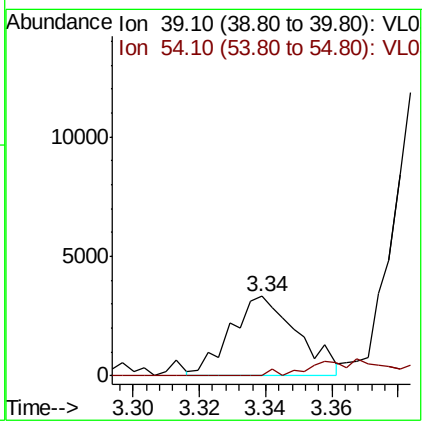


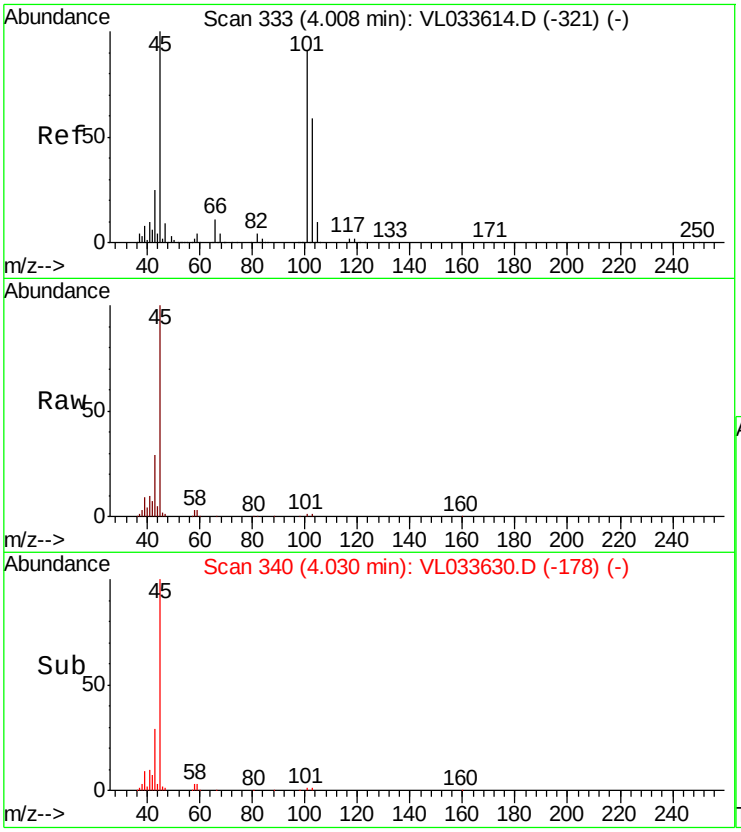


#16
1,3-Butadiene
Concen: 0.103 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.02 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Tgt Ion: 39 Resp: 4651

Ion	Ratio	Lower	Upper
39	100		
54	0.0	68.4	102.6#



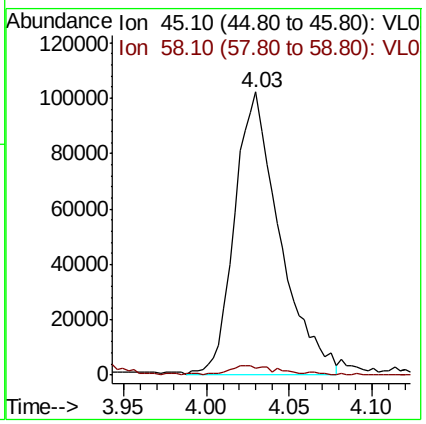


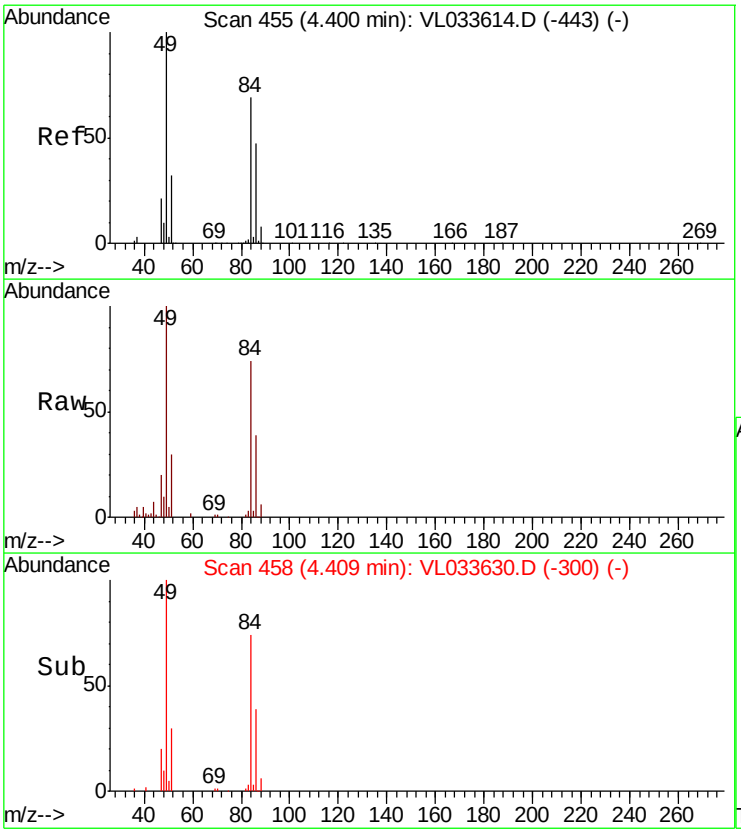
#19
Isopropyl Alcohol
Concen: 2.790 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.02 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Instrument : MSVOA_L
ClientSampleId : A-3

Tgt Ion: 45 Resp: 191629

Ion	Ratio	Lower	Upper
45	100		
58	4.4	1.8	2.6#

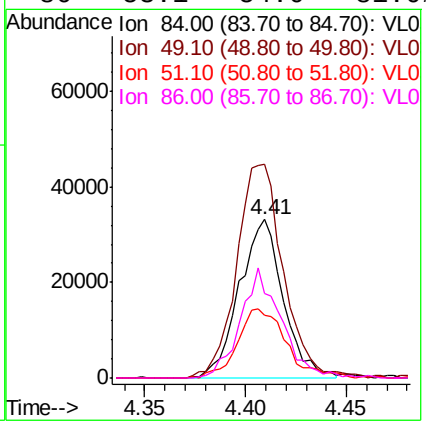


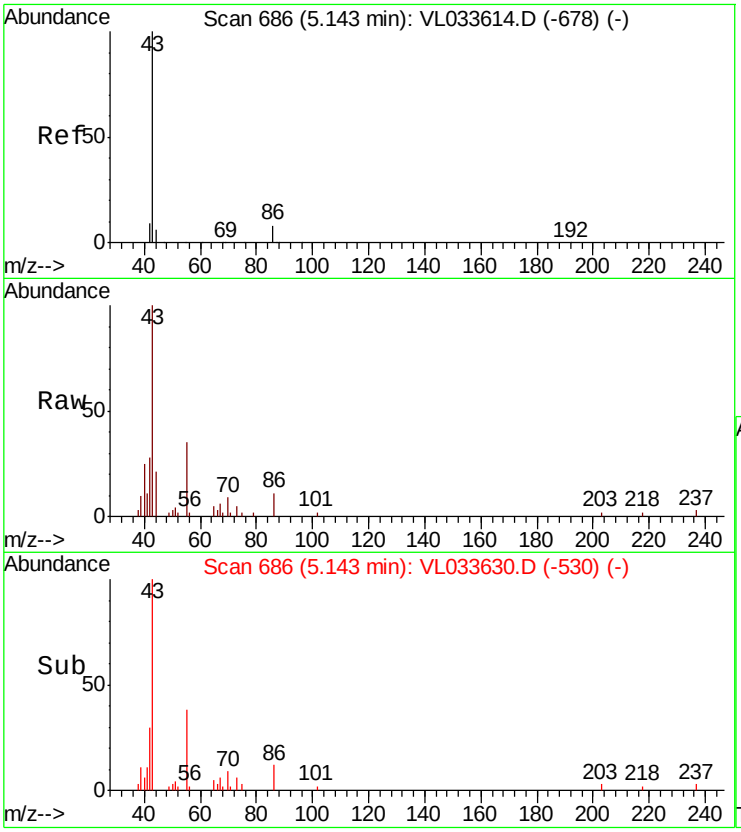


#20
Methylene Chloride
Concen: 1.295 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.01 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Tgt Ion: 84 Resp: 50514

Ion	Ratio	Lower	Upper
84	100		
49	134.7	116.2	174.2
51	39.9	37.0	55.6
86	53.1	54.0	81.0#



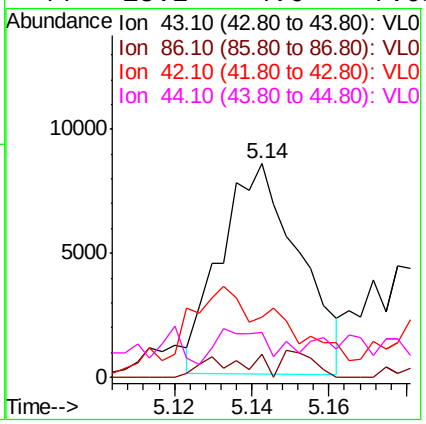


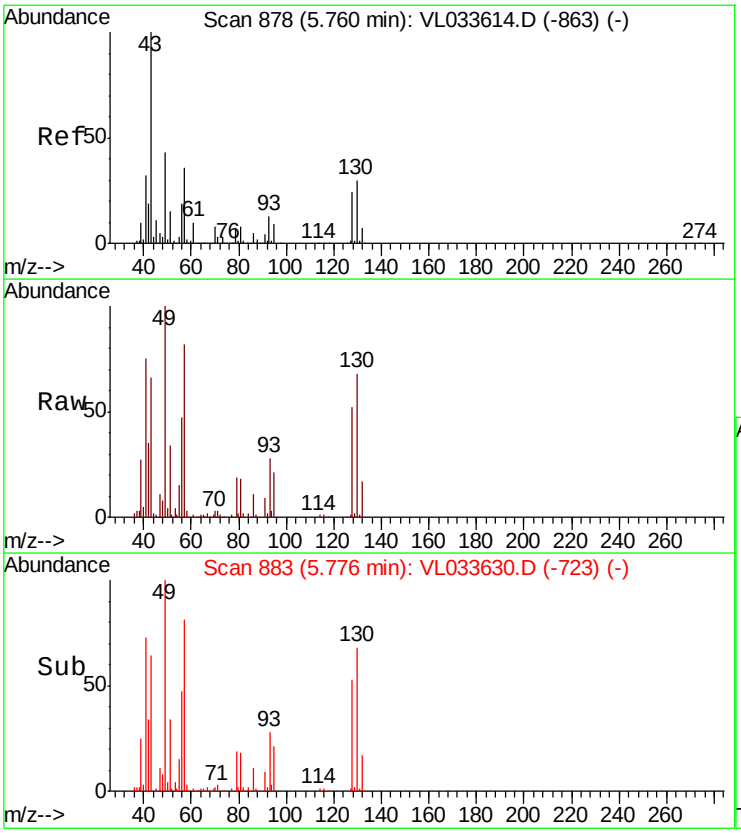
#23
Vinyl Acetate
Concen: 0.080 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.00 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Instrument : MSVOA_L
ClientSampleId : A-3

Tgt Ion: 43 Resp: 11925

Ion	Ratio	Lower	Upper
43	100		
86	14.3	5.8	8.8#
42	15.6	7.8	11.8#
44	15.2	4.6	7.0#

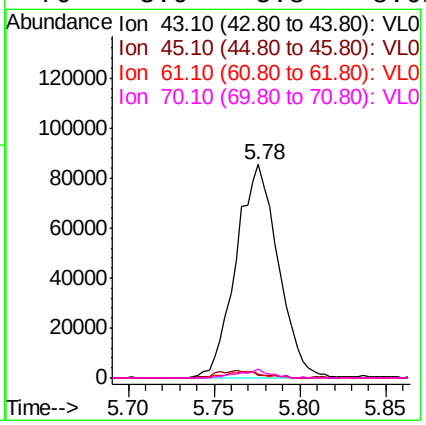


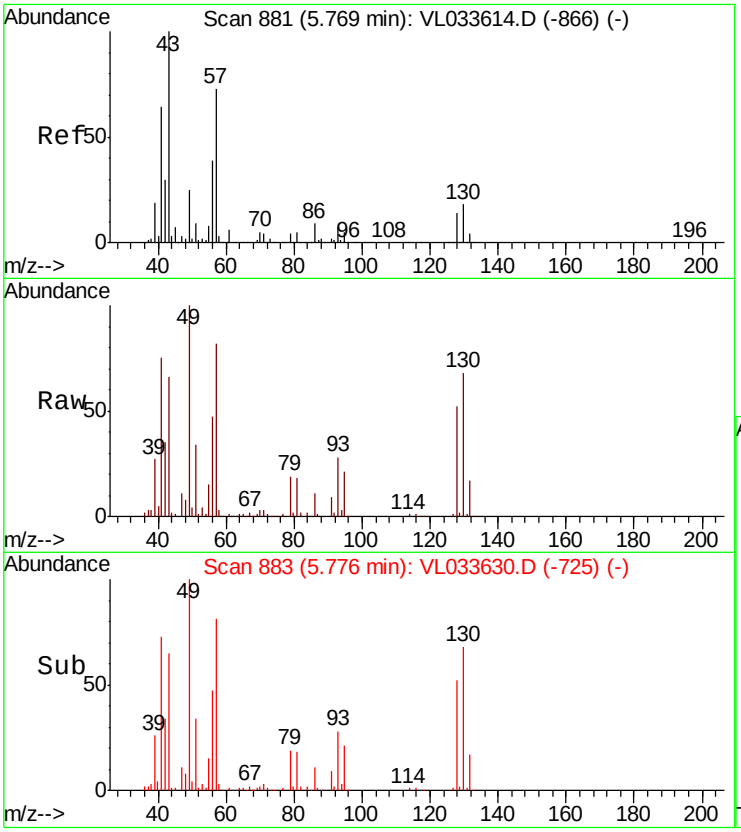


#25
Ethyl Acetate
Concen: 0.768 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.02 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Tgt Ion: 43 Resp: 145766

Ion	Ratio	Lower	Upper
43	100		
45	4.0	8.1	12.1#
61	2.7	7.5	11.3#
70	3.0	5.8	8.6#



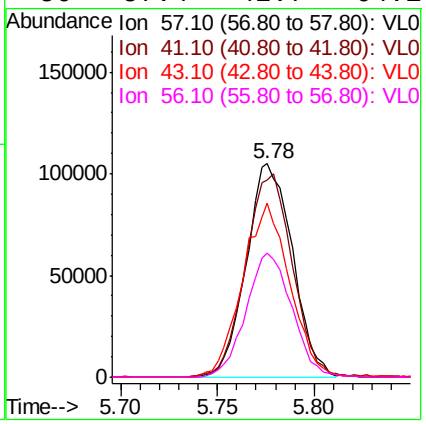


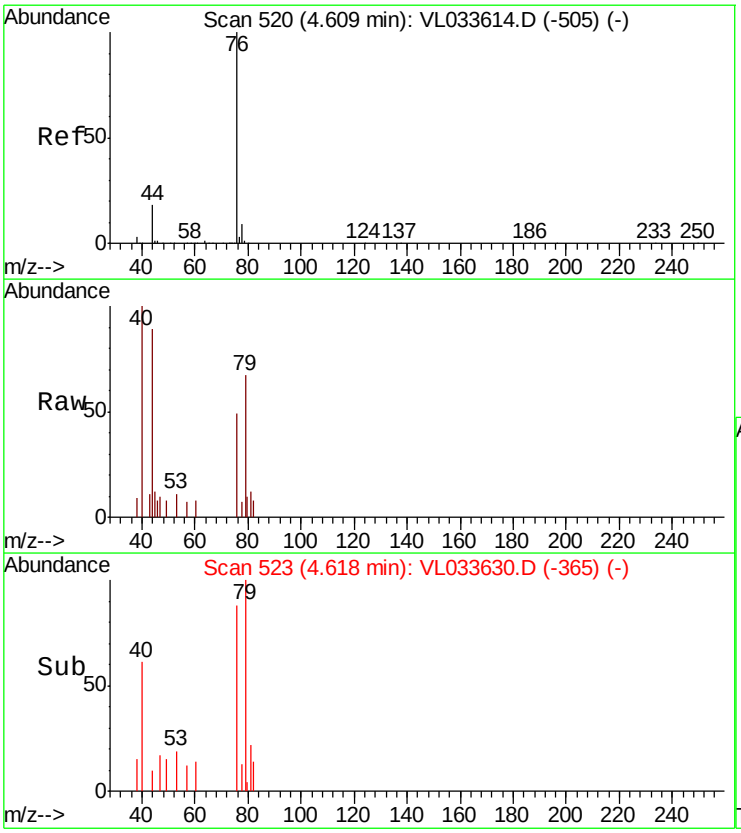
#26
Hexane
Concen: 2.185 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Instrument : MSVOA_L
ClientSampleId : A-3

Tgt Ion: 57 Resp: 174700

Ion	Ratio	Lower	Upper
57	100		
41	97.2	70.6	106.0
43	84.1	186.0	279.0#
56	57.4	42.7	64.1

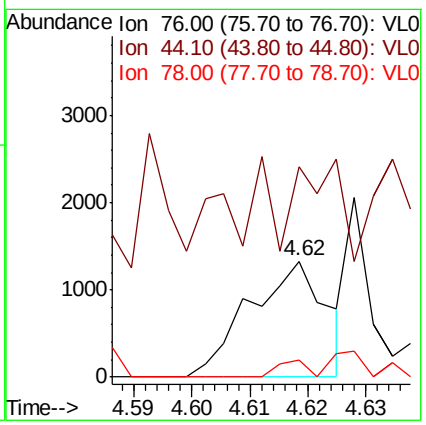


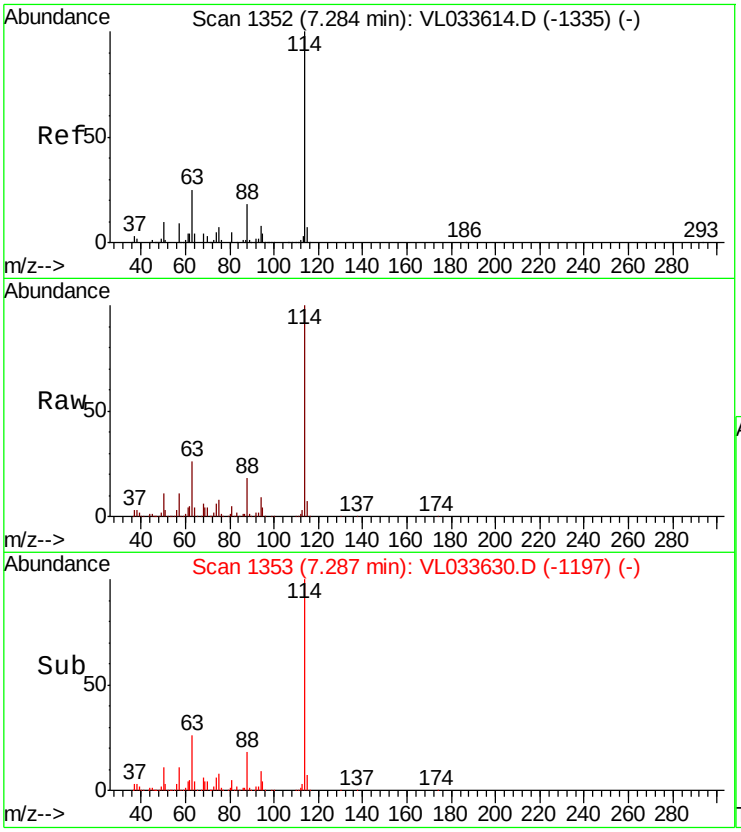


#27
Carbon Disulfide
Concen: 0.012 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.01 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Tgt Ion: 76 Resp: 1209

Ion	Ratio	Lower	Upper
76	100		
44	230.7	14.3	21.5#
78	0.0	7.5	11.3#



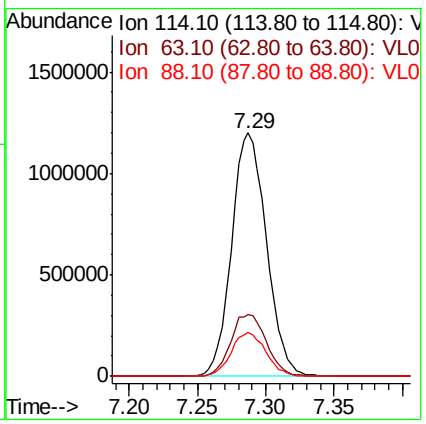


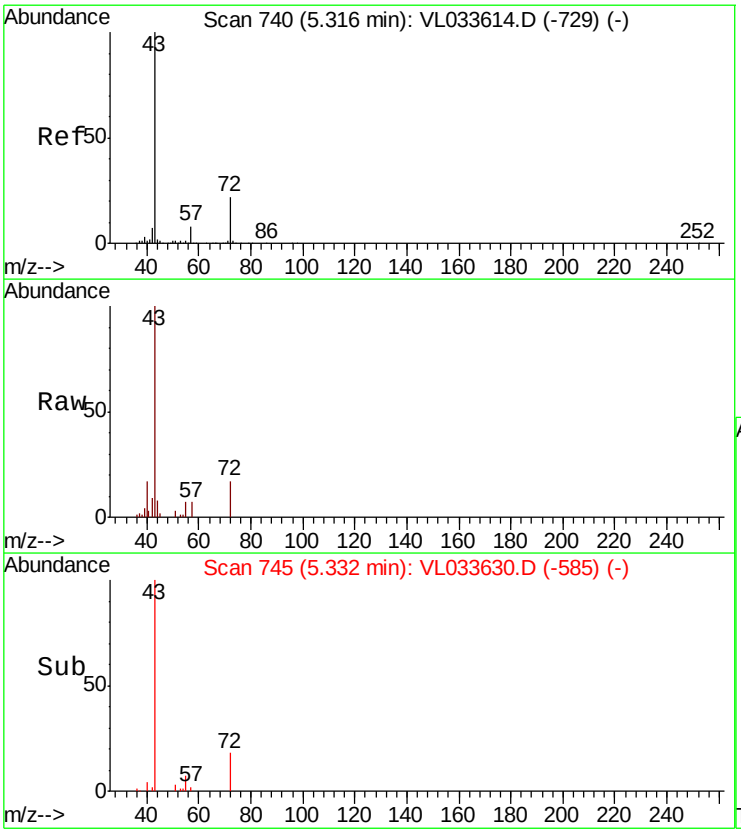
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Instrument : MSVOA_L
ClientSampleId : A-3

Tgt Ion:114 Resp: 2129150

Ion	Ratio	Lower	Upper
114	100		
63	26.2	21.1	31.7
88	18.0	14.2	21.4

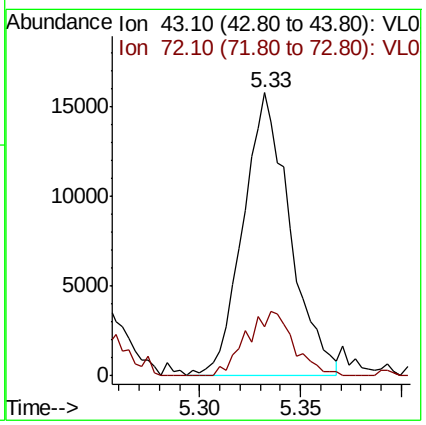


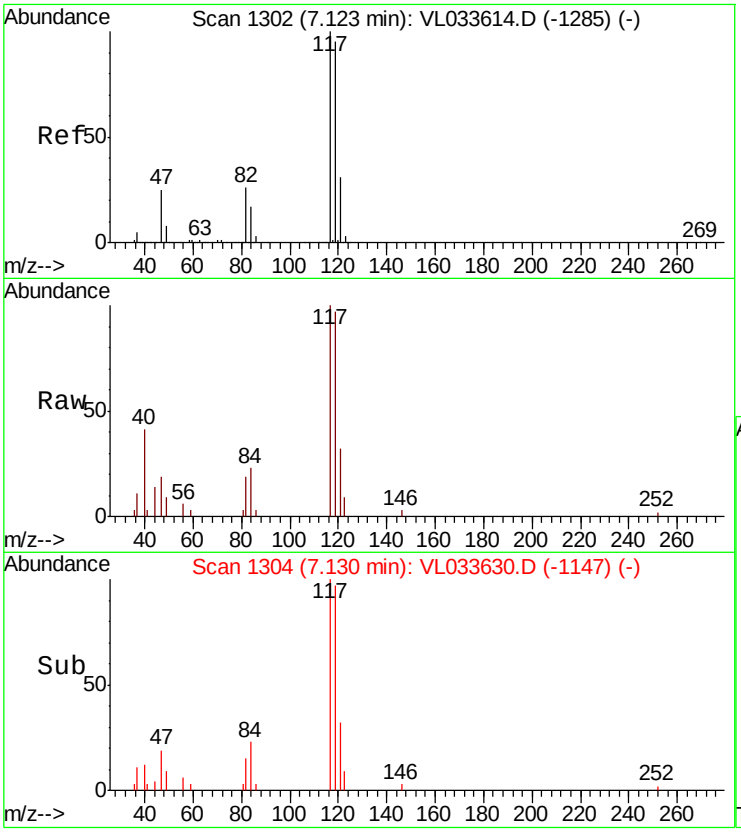


#34
2-Butanone
Concen: 0.197 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.02 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Tgt Ion: 43 Resp: 25761

Ion	Ratio	Lower	Upper
43	100		
72	23.0	17.8	26.8



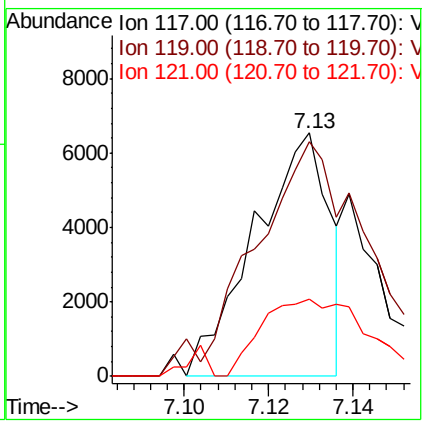


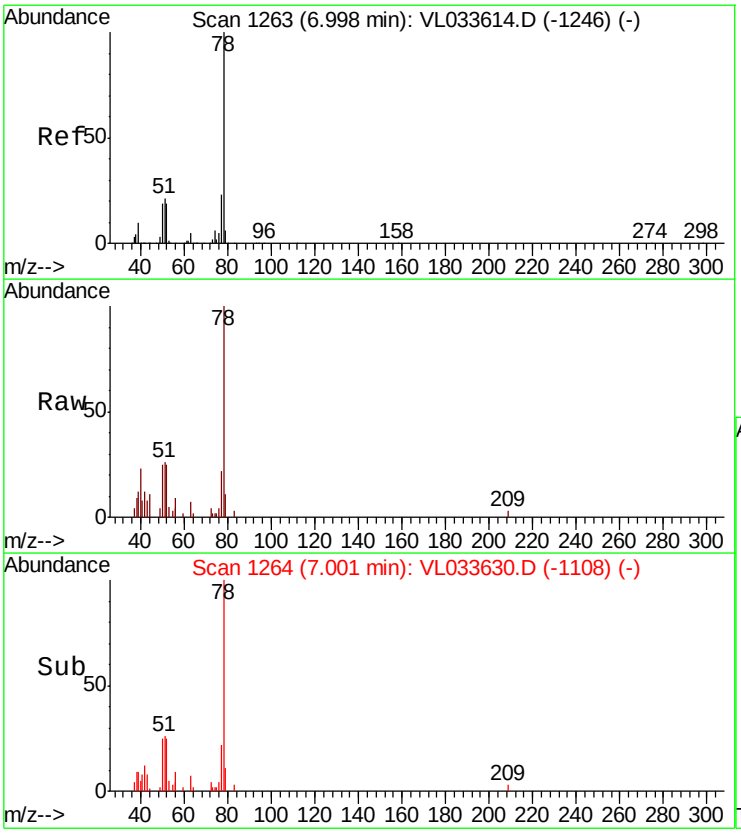
#35
Carbon Tetrachloride
Concen: 0.048 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. 0.01 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Instrument :
MSVOA_L
ClientSampleId :
A-3

Tgt Ion:117 Resp: 8100

Ion	Ratio	Lower	Upper
117	100		
119	81.4	76.2	114.4
121	27.8	24.9	37.3

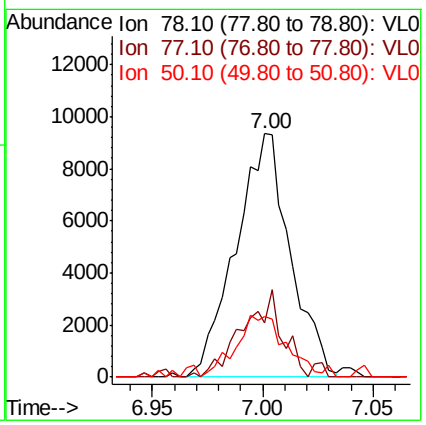


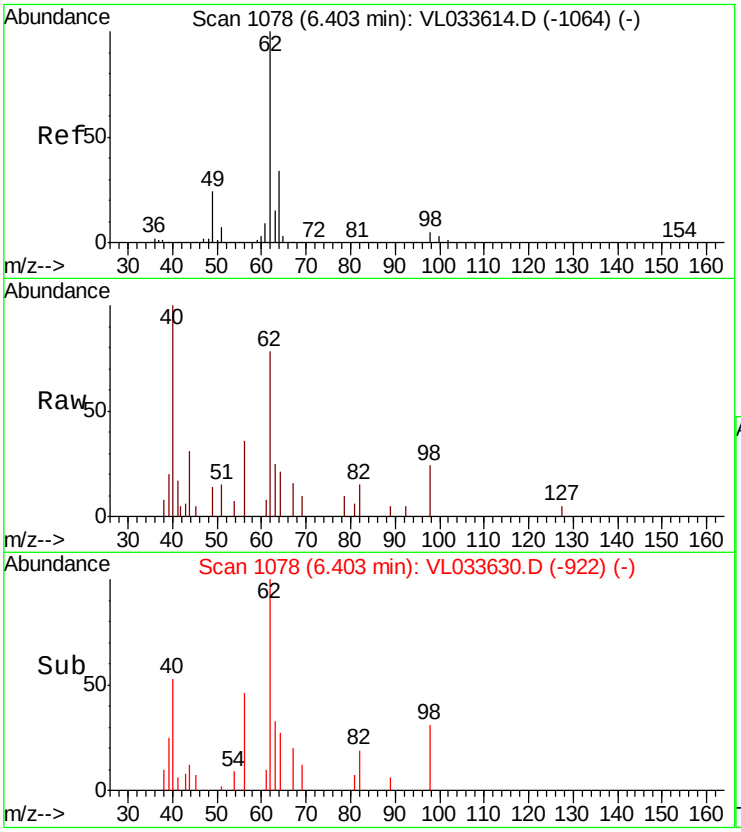


#36
Benzene
Concen: 0.088 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Tgt Ion: 78 Resp: 16053

Ion	Ratio	Lower	Upper
78	100		
77	20.0	18.1	27.1
50	22.5	15.1	22.7



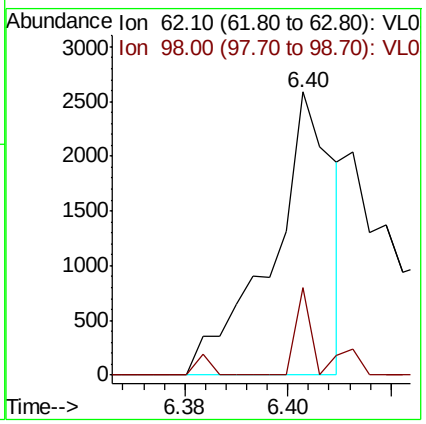


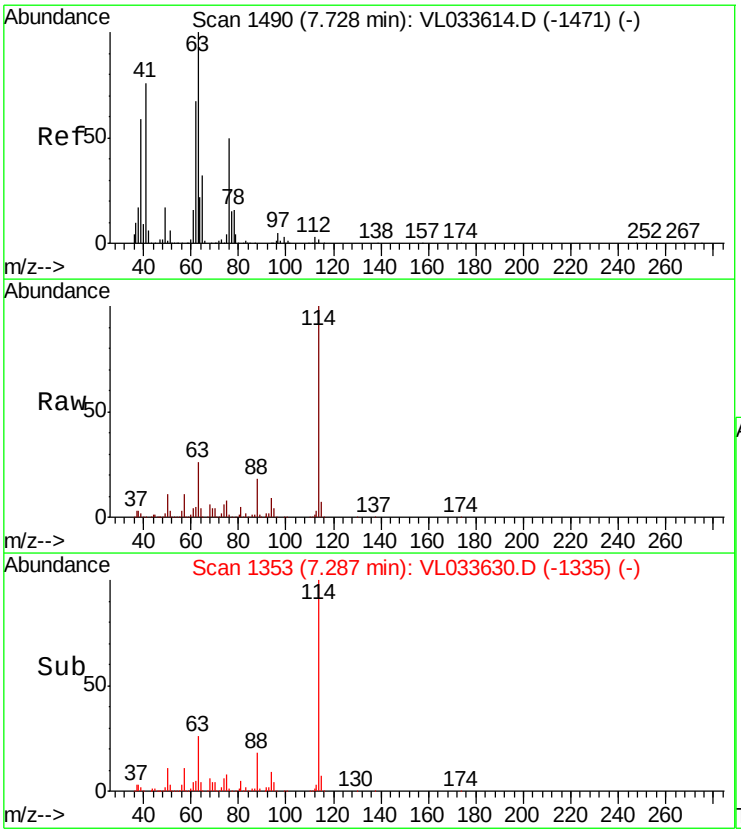
#37
1,2-Dichloroethane
Concen: 0.018 ppbv
RT: 6.40 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Instrument :
MSVOA_L
ClientSampleId :
A-3

Tgt Ion: 62 Resp: 2142

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.4	6.6#

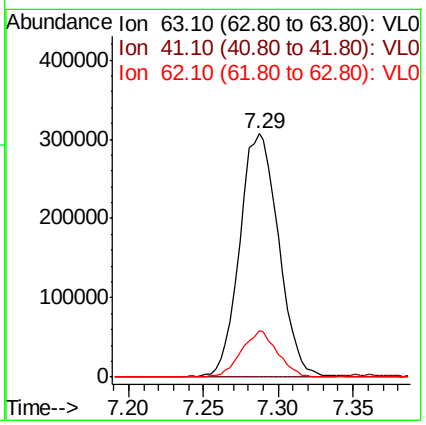


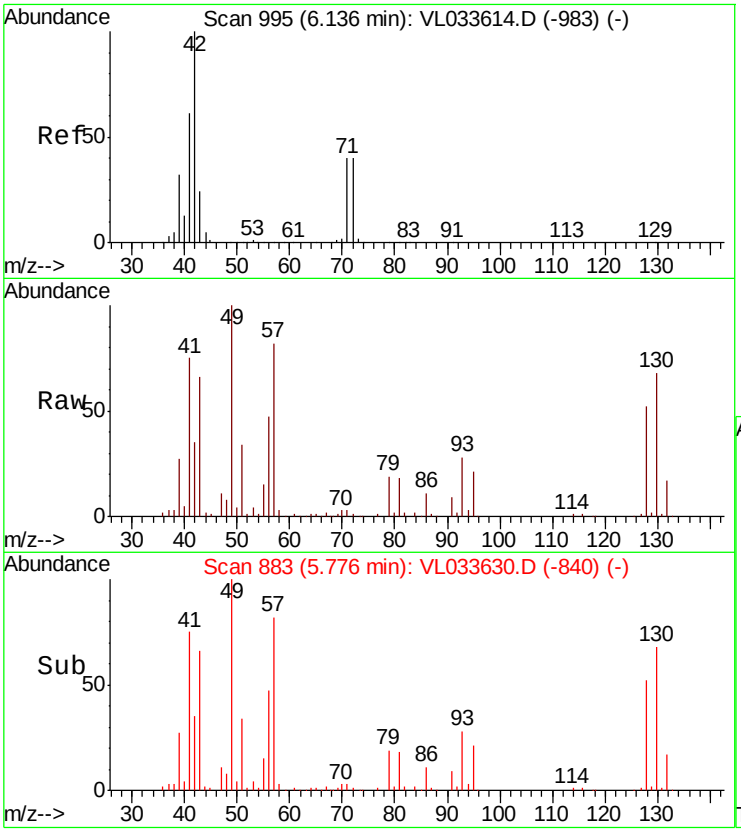


#39
1,2-Dichloropropane
Concen: 8.126 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.44 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Tgt Ion: 63 Resp: 555931

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.9	91.3#
62	19.0	53.3	79.9#



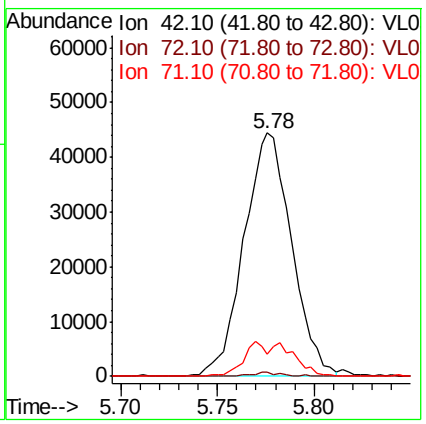


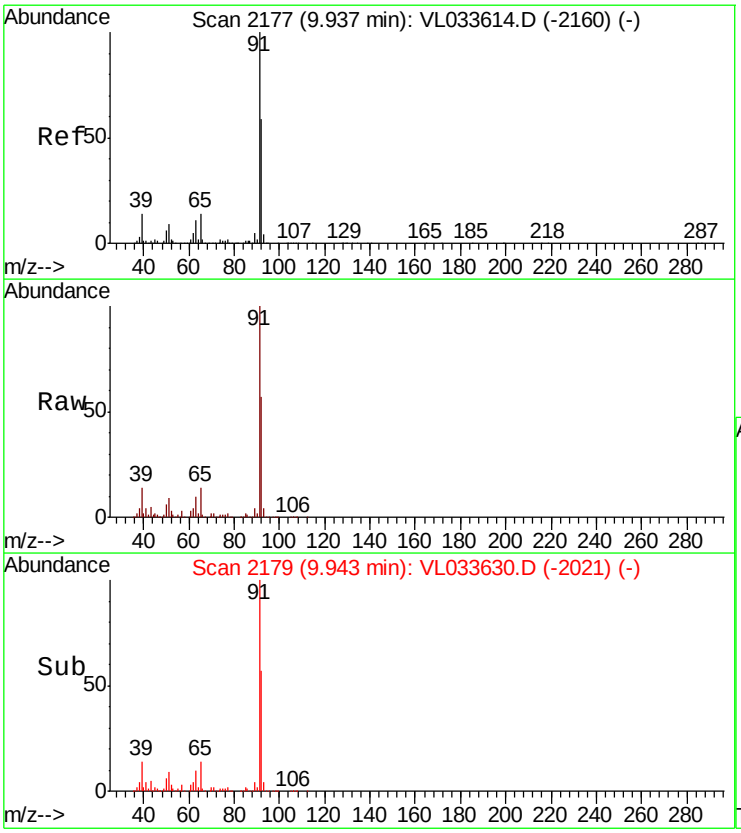
#41
Tetrahydrofuran
Concen: 1.089 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.36 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Instrument : MSVOA_L
ClientSampleId : A-3

Tgt Ion: 42 Resp: 76000

Ion	Ratio	Lower	Upper
42	100		
72	1.2	31.8	47.6#
71	14.1	31.0	46.4#

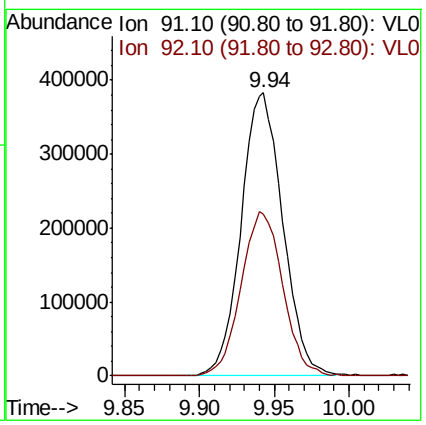


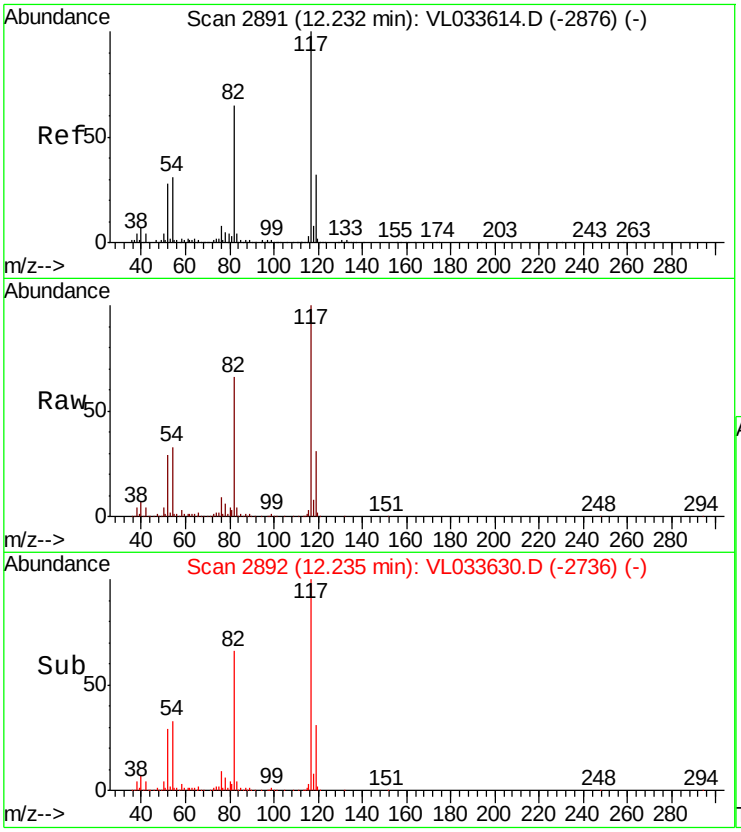


#53
Toluene
Concen: 3.240 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. 0.01 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Tgt Ion: 91 Resp: 741718

Ion	Ratio	Lower	Upper
91	100		
92	58.4	47.8	71.6



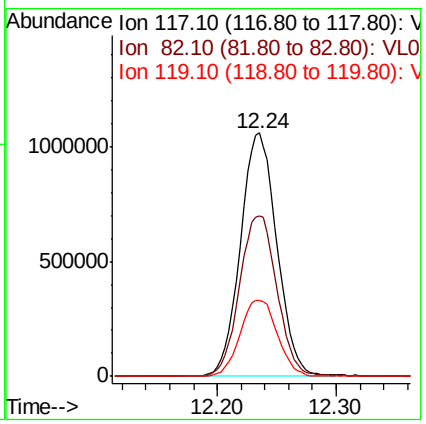


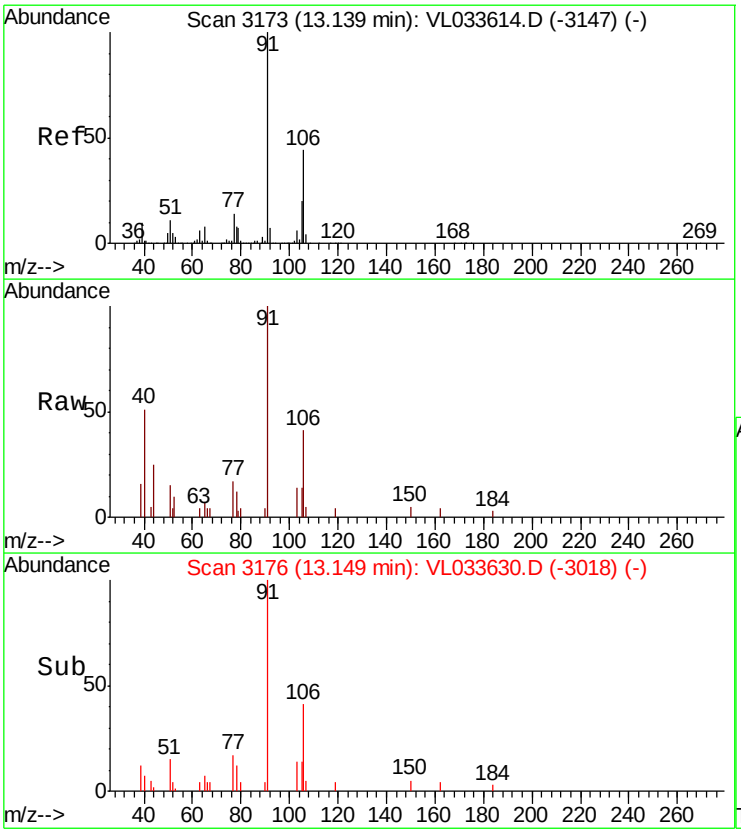
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. 0.00 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Instrument : MSVOA_L
ClientSampleId : A-3

Tgt Ion:117 Resp: 2247066

Ion	Ratio	Lower	Upper
117	100		
82	68.1	52.6	78.8
119	32.4	28.3	42.5

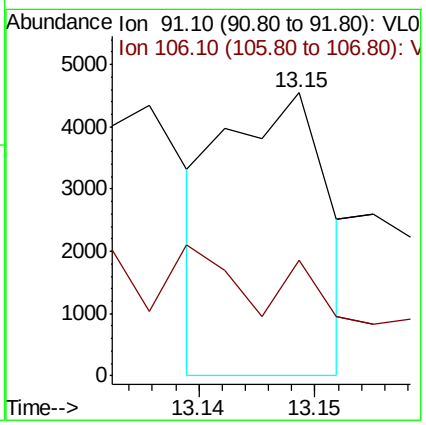


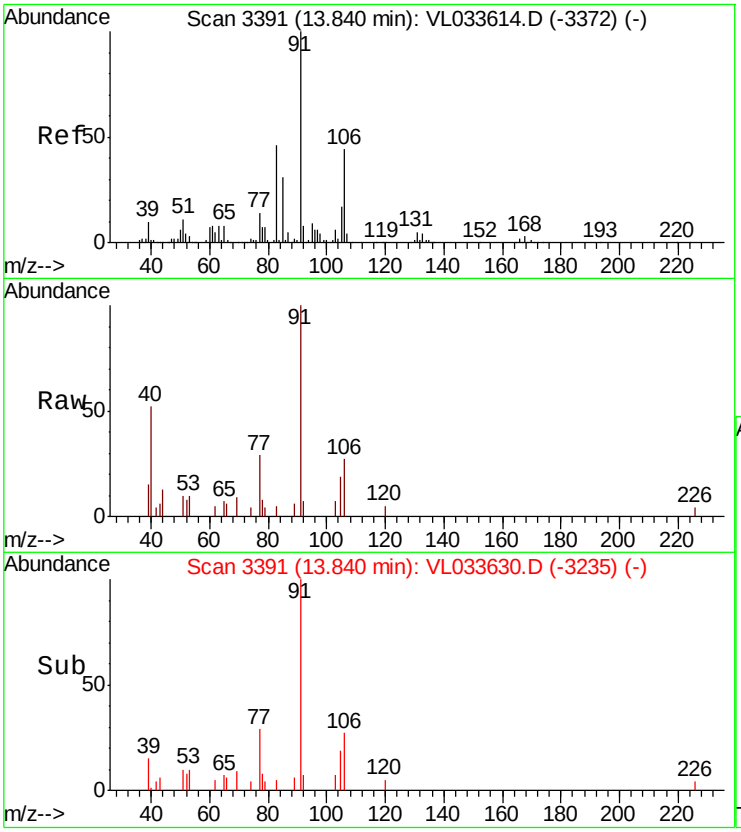


#59
m/p-Xylene
Concen: 0.013 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. 0.01 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Tgt Ion: 91 Resp: 2859

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



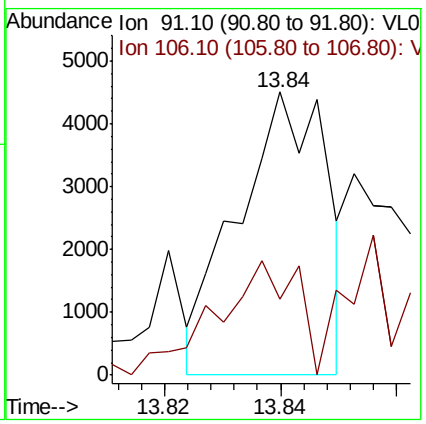


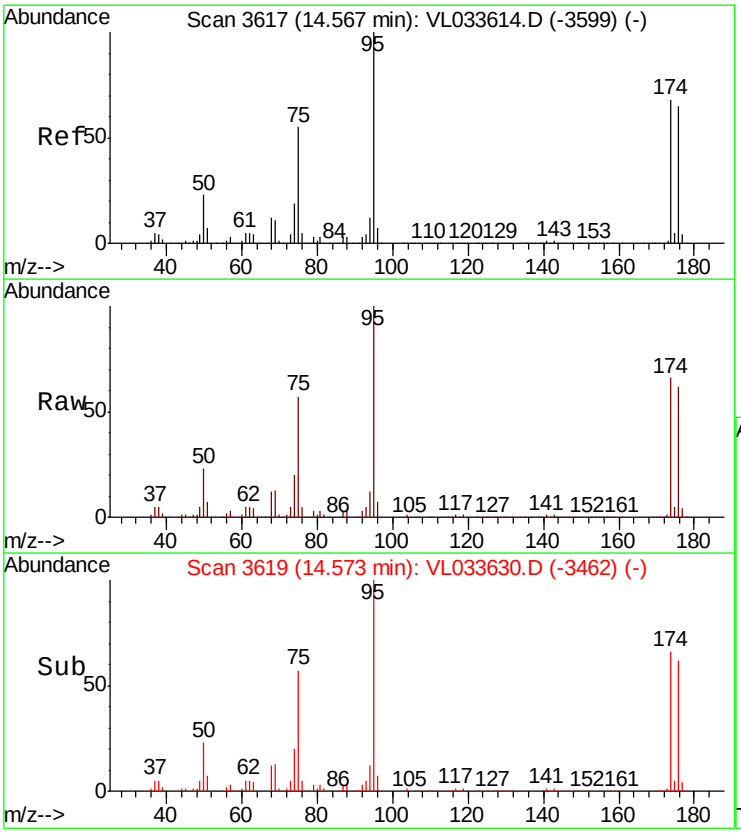
#60
o-Xylene
Concen: 0.021 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.00 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Instrument : MSVOA_L
ClientSampleId : A-3

Tgt Ion: 91 Resp: 4785

Ion	Ratio	Lower	Upper
91	100		
106	37.5	21.8	65.4

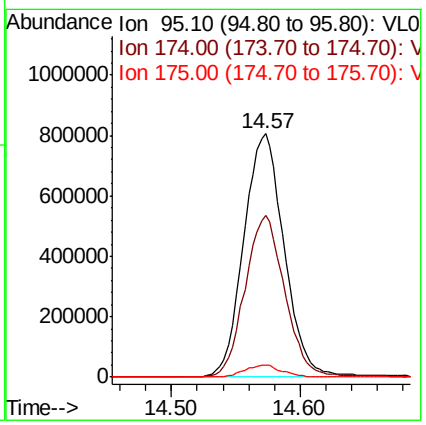


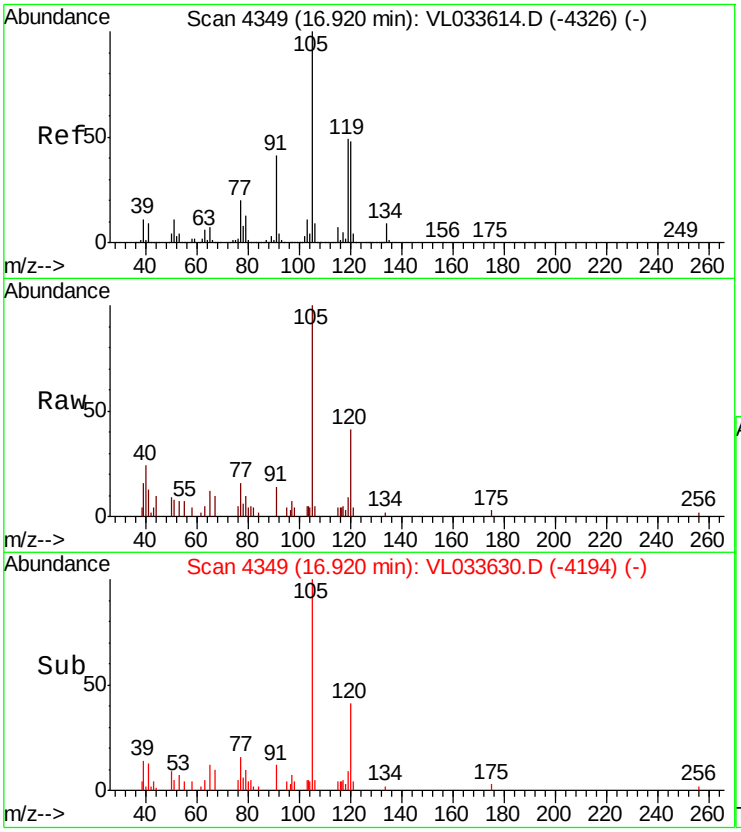


#68
1-Bromo-4-Fluorobenzene
Concen: 10.228 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. 0.01 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Tgt Ion: 95 Resp: 1749726

Ion	Ratio	Lower	Upper
95	100		
174	66.0	53.9	80.9
175	4.7	4.0	6.0



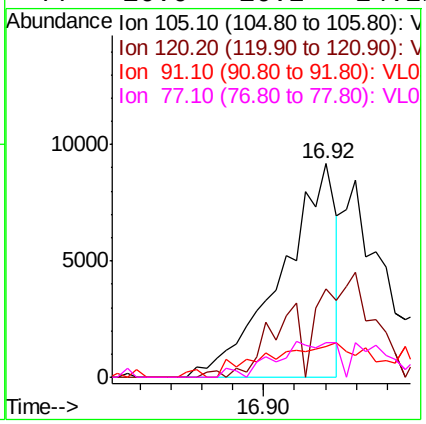


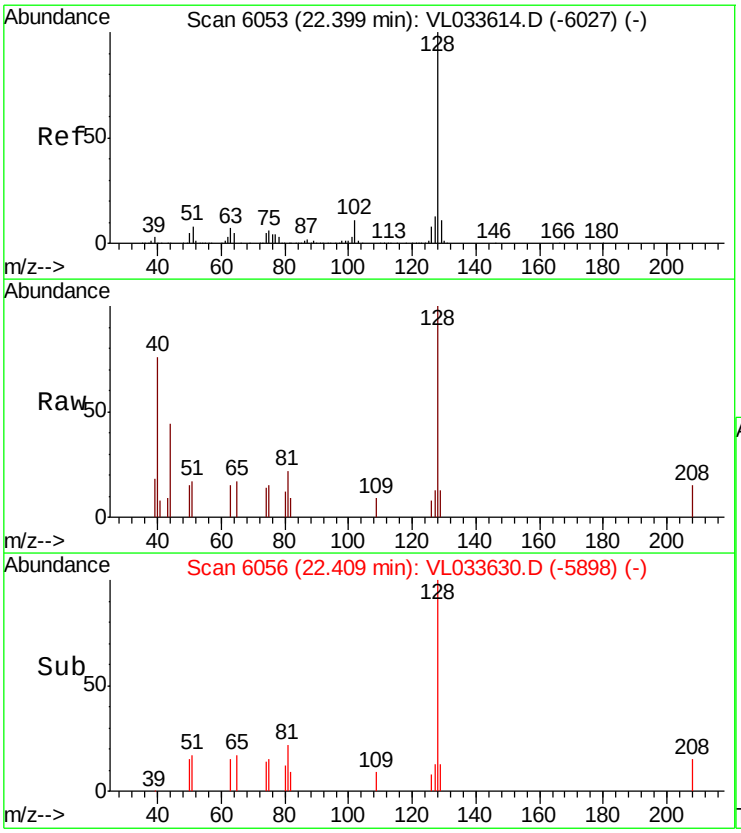
#74
1,2,4-Trimethylbenzene
Concen: 0.040 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.00 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Instrument :
MSVOA_L
ClientSampleId :
A-3

Tgt Ion:105 Resp: 11201

Ion	Ratio	Lower	Upper
105	100		
120	41.3	38.4	57.6
91	11.7	33.0	49.4#
77	16.0	16.2	24.2#

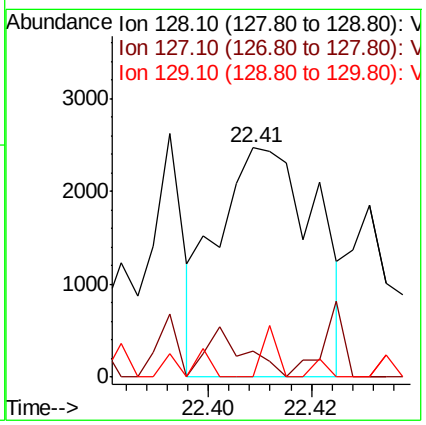


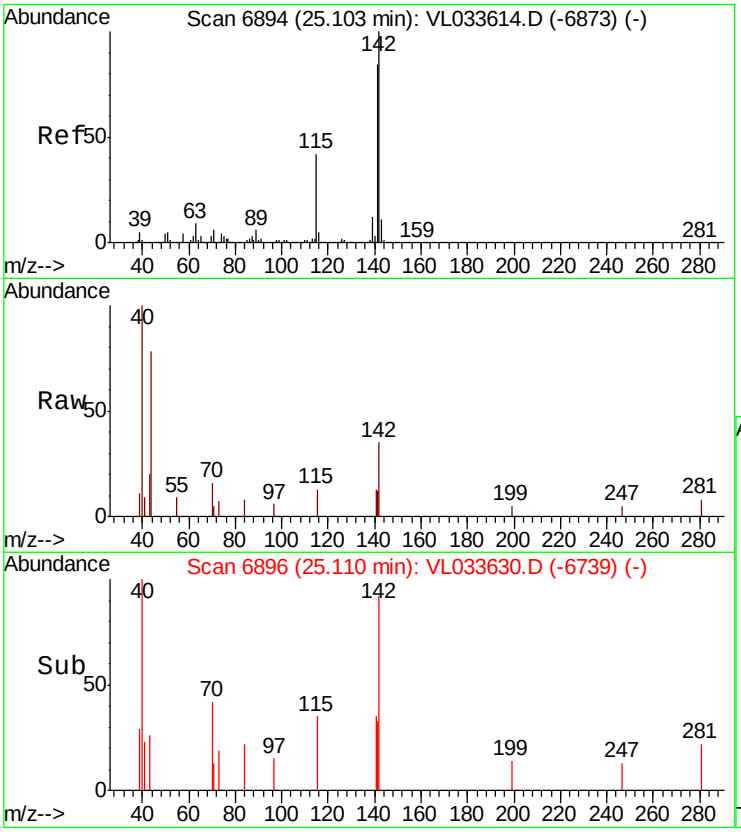


#79
Naphthalene
Concen: 0.013 ppbv
RT: 22.41 min Scan# 6056
Delta R.T. 0.01 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Tgt Ion:128 Resp: 3287

Ion	Ratio	Lower	Upper
128	100		
127	22.1	10.6	16.0#
129	0.0	8.6	13.0#





#80
Naphthalene,2-methyl-
Concen: 0.017 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. 0.01 min
Lab File: VL033630.D
Acq: 2 May 2019 16:24

Instrument :
MSVOA_L
ClientSampleId :
A-3

Tgt Ion:142 Resp: 1919

Ion	Ratio	Lower	Upper
142	100		
141	91.4	67.3	100.9
115	42.6	33.8	50.8