Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071818\
Data File : VL032283.D
Acq On : 19 Jul 2018 5:45
Operator : SY/AP
Sample : J3454-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jul 19 07:48:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 18 14:38:53 2018
QLast Update : Wed Jul 18 14:38:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.84	49	1649283	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.37	114	3416717	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.33	117	3995646	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.67	95	3181304	9.82	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.13	85	155260	0.554	ppbv		98
3) Chlorodifluoromethane	3.04	51	1178629	6.368	ppbv	#	66
4) Chloromethane	3.22	50	63429	0.582	ppbv		99
9) Propene	3.10	41	34031	0.421	ppbv		85
10) Heptane	8.33	43	106414	0.414	ppbv		98
11) Trichlorofluoromethane	4.07	101	57283	0.261	ppbv		90
12) 1,1,2-Trichlorotrifluoroet	4.62	101	5912	0.042	ppbv	#	18
13) Ethanol	3.71	45	1458947	63.124	ppbv		99
15) Acetone	3.96	43	1707564	9.892	ppbv		97
16) 1,3-Butadiene	3.45	39	20672	0.235	ppbv	#	15
17) tert-Butyl alcohol	4.44	59	14200	0.261	ppbv	#	72
19) Isopropyl Alcohol	4.10	45	308709	2.644	ppbv	#	1
20) Methylene Chloride	4.48	84	67876	1.021	ppbv		90
21) Allyl Chloride	4.49	41	2404	0.021	ppbv	#	21
23) Vinyl Acetate	5.22	43	100436	0.324	ppbv	#	75
25) Ethyl Acetate	5.85	43	875223	2.328	ppbv	#	81
26) Hexane	5.86	57	1104348	6.396	ppbv	#	46
29) Chloroform	5.92	83	12400	0.049	ppbv		93
34) 2-Butanone	5.40	43	204635	0.873	ppbv		99
35) Carbon Tetrachloride	7.21	117	7644	0.033	ppbv		90
36) Benzene	7.08	78	38472	0.114	ppbv	#	89
37) 1,2-Dichloroethane	6.49	62	4384	0.022	ppbv	#	68
39) 1,2-Dichloropropane	7.37	63	960620	7.215	ppbv	#	25
41) Tetrahydrofuran	6.21	42	22323	0.163	ppbv	#	63
43) Methyl Methacrylate	8.22	69	3300	0.024	ppbv	#	1
44) 2,2,4-Trimethylpentane	8.08	57	30559	0.052	ppbv	#	11
50) 4-Methyl-2-Pentanone	8.97	43	9363	0.024	ppbv	#	38
52) Tetrachloroethene	11.46	164	3946	0.034	ppbv	#	57
53) Toluene	10.03	91	171195	0.420	ppbv		98
58) Ethyl Benzene	12.95	91	21824	0.039	ppbv		90
59) m/p-Xylene	13.24	91	21949	0.046	ppbv	#	31
60) o-Xylene	13.94	91	21187	0.044	ppbv	#	1
74) 1,2,4-Trimethylbenzene	17.01	105	12574	0.022	ppbv	#	66
76) 1,4-Dichlorobenzene	17.39	146	13770	0.044	ppbv	#	23

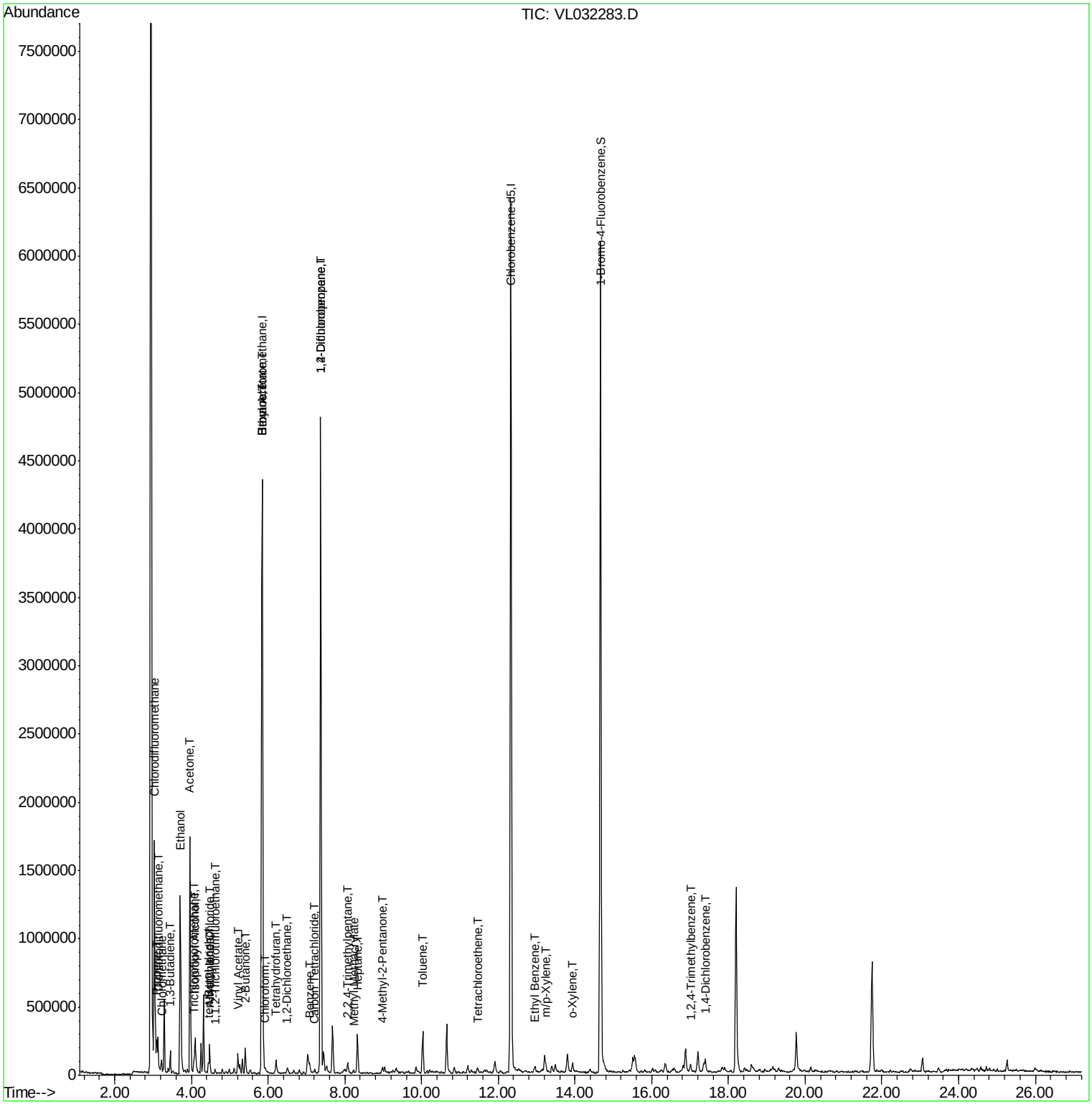
(#) = qualifier out of range (m) = manual integration (+) = signals summed

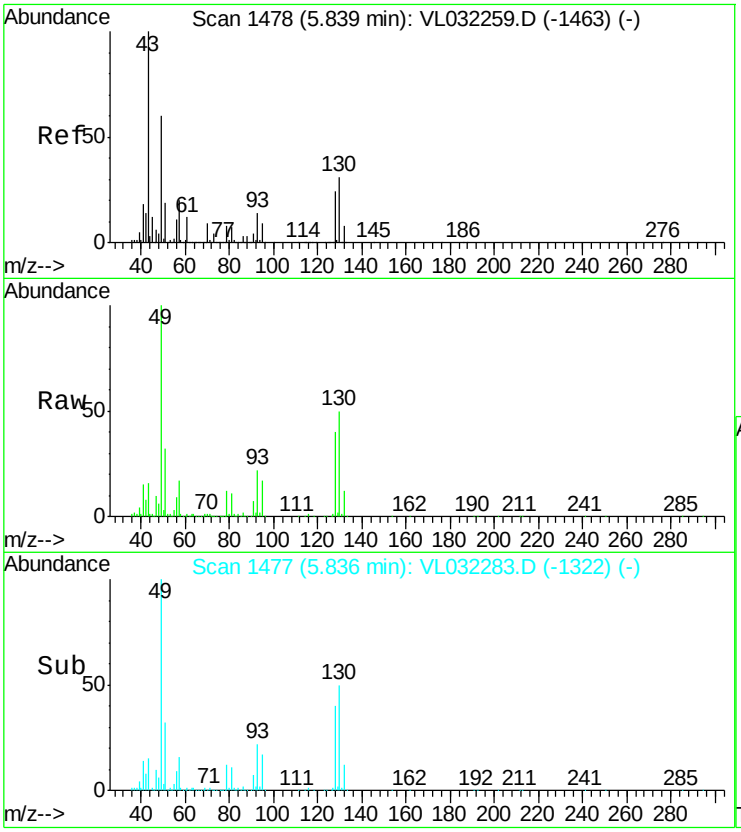
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071818\
Data File : VL032283.D
Acq On : 19 Jul 2018 5:45
Operator : SY/AP
Sample : J3454-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jul 19 07:48:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 18 14:38:53 2018
QLast Update : Wed Jul 18 14:38:53 2018
Response via : Initial Calibration



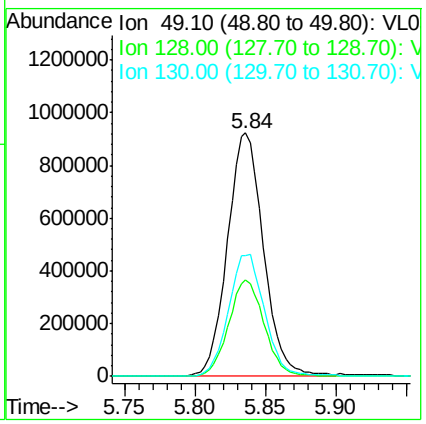


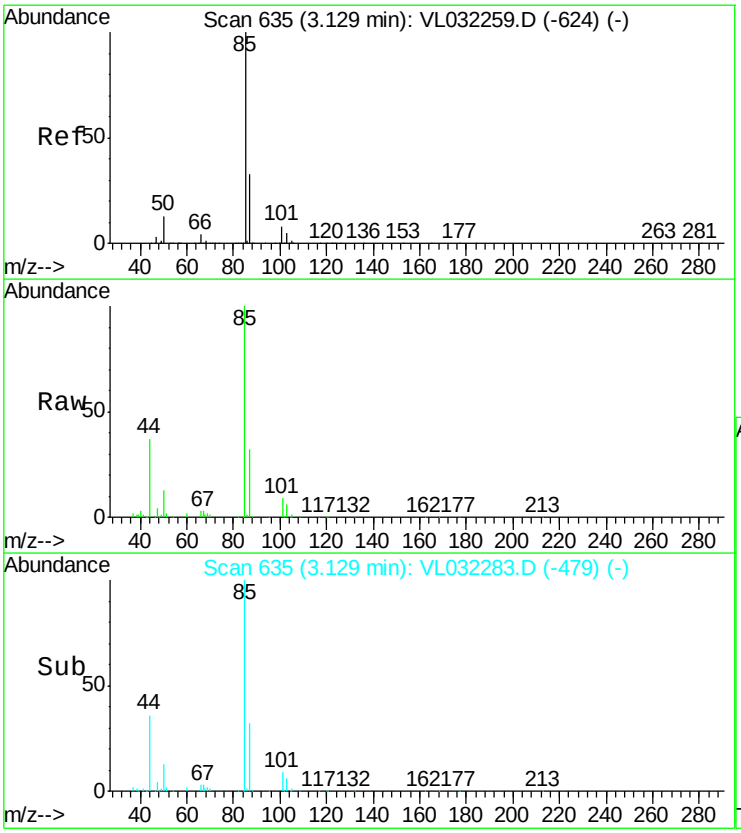
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1649283

Ion	Ratio	Lower	Upper
49	100		
128	39.4	20.1	60.2
130	50.6	25.9	77.6

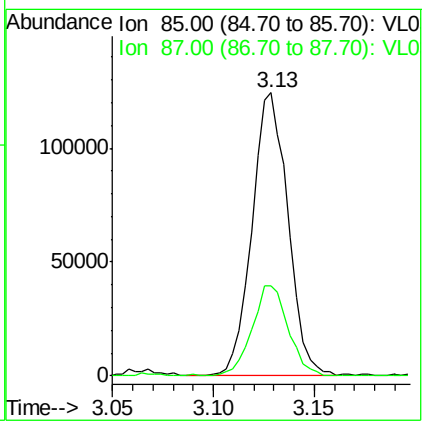


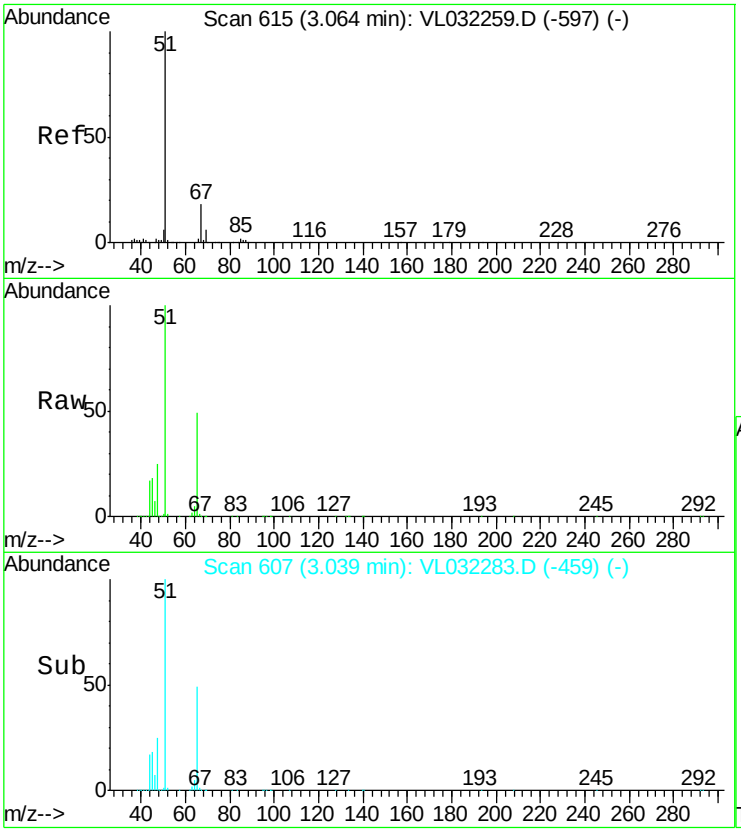


#2
Dichlorodifluoromethane
Concen: 0.554 ppbv
RT: 3.13 min Scan# 635
Delta R.T. -0.00 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion: 85 Resp: 155260

Ion	Ratio	Lower	Upper
85	100		
87	31.7	26.2	39.2

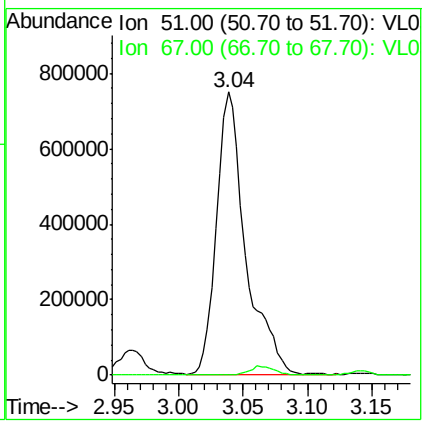




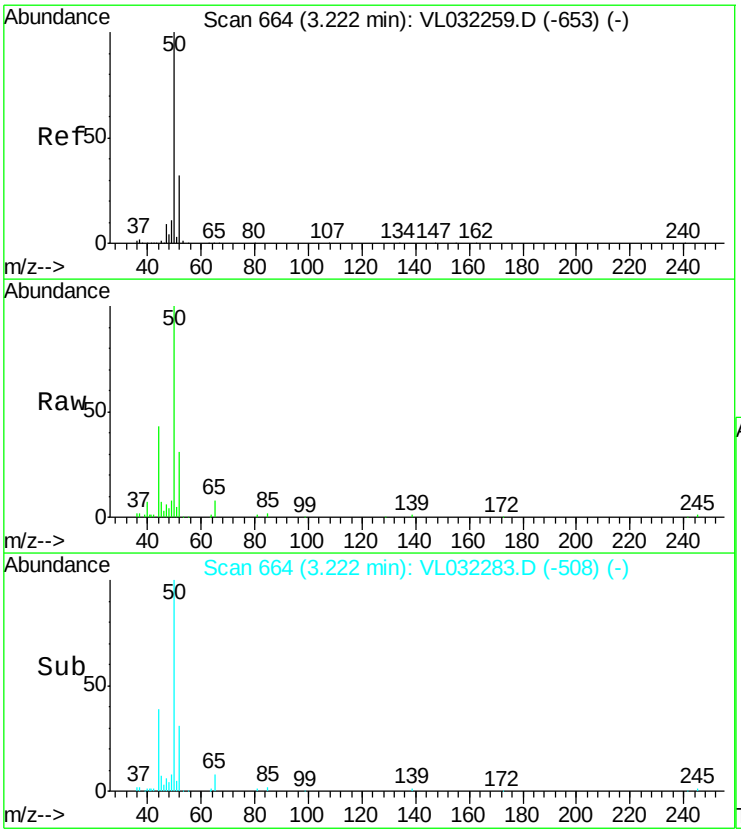
#3
Chlorodifluoromethane
Concen: 6.368 ppbv
RT: 3.04 min Scan# 607
Delta R.T. -0.03 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion: 51 Resp: 1178629

Ion	Ratio	Lower	Upper
51	100		
67	2.7	14.2	21.4#



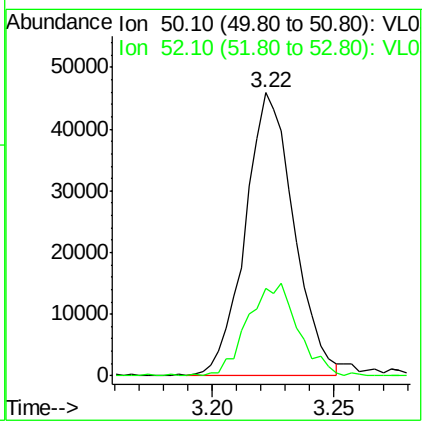
Instrument :
MSVOA_L
ClientSampleId :

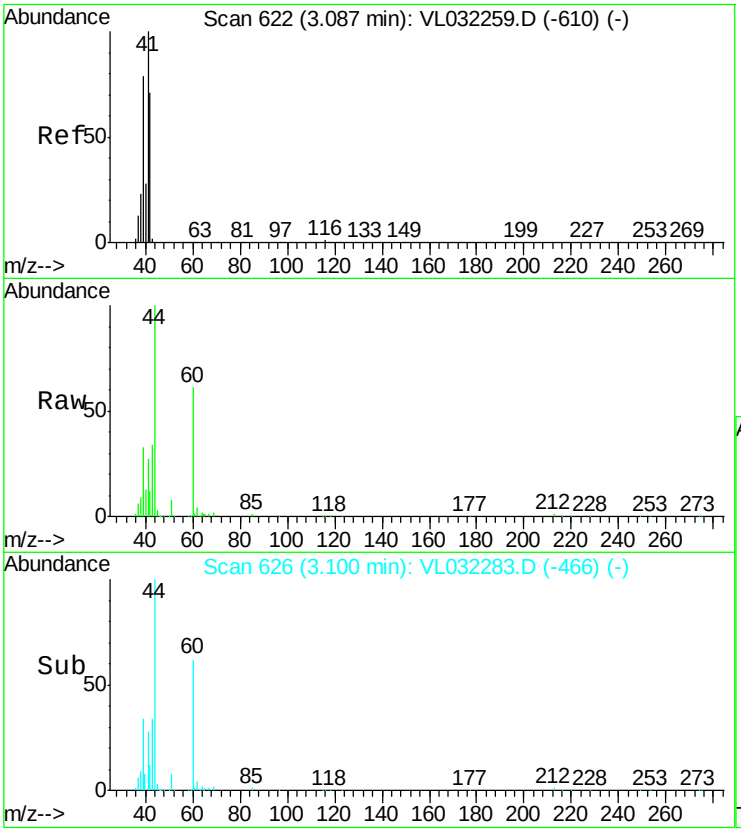


#4
Chloromethane
Concen: 0.582 ppbv
RT: 3.22 min Scan# 664
Delta R.T. -0.00 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion: 50 Resp: 63429

Ion	Ratio	Lower	Upper
50	100		
52	30.9	25.3	37.9

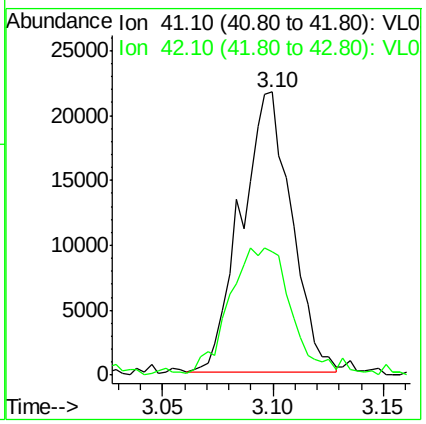




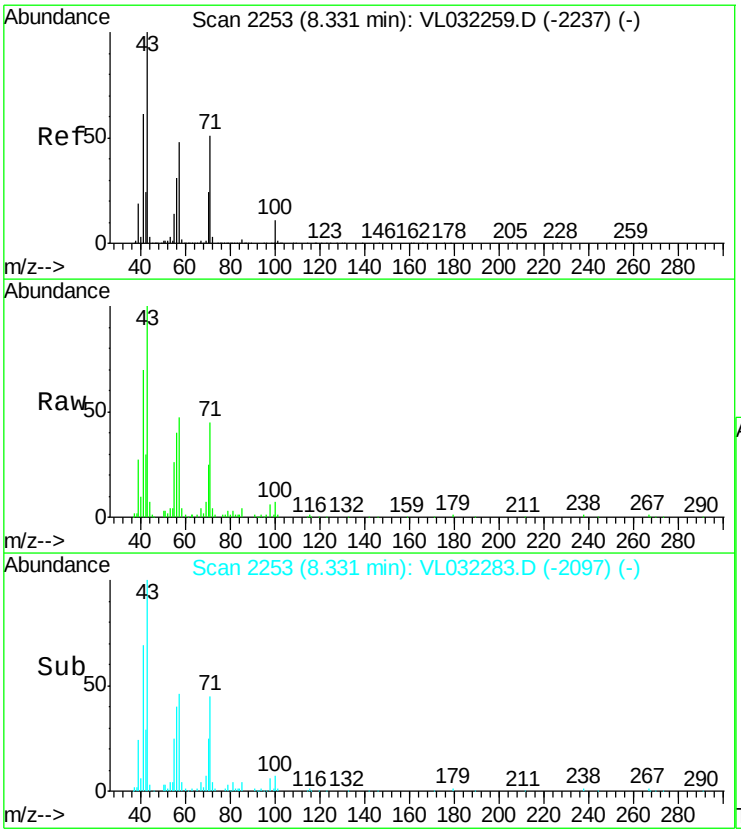
#9
Propene
Concen: 0.421 ppbv
RT: 3.10 min Scan# 626
Delta R.T. 0.01 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion: 41 Resp: 34031

Ion	Ratio	Lower	Upper
41	100		
42	57.7	56.2	84.4



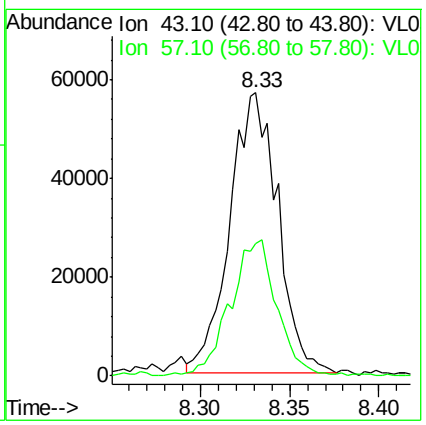
Instrument :
MSVOA_L
ClientSampleId :

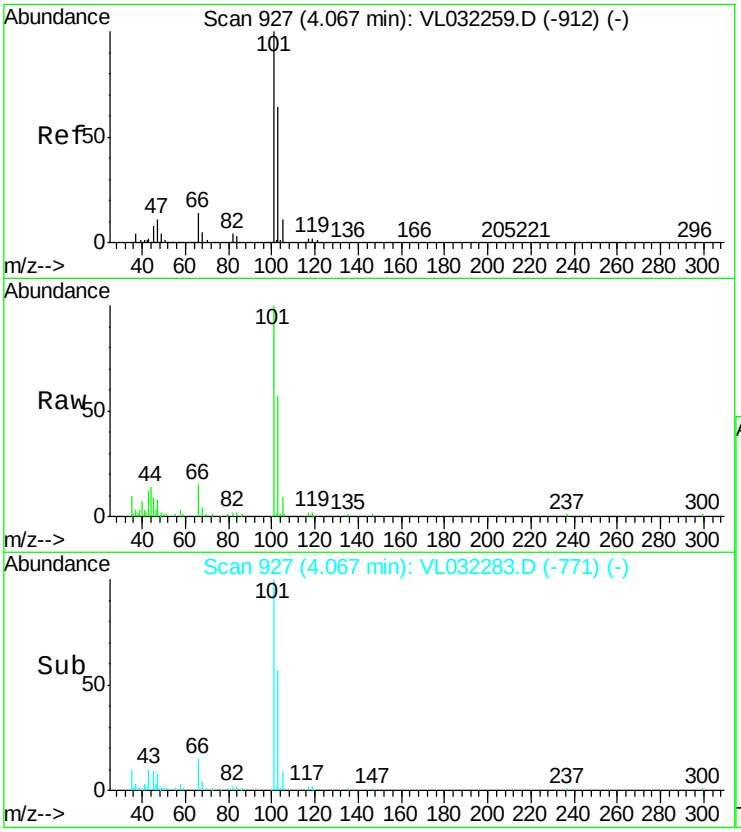


#10
Heptane
Concen: 0.414 ppbv
RT: 8.33 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion: 43 Resp: 106414

Ion	Ratio	Lower	Upper
43	100		
57	48.3	39.9	59.9



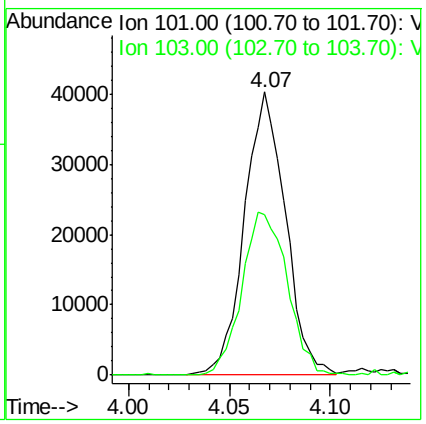


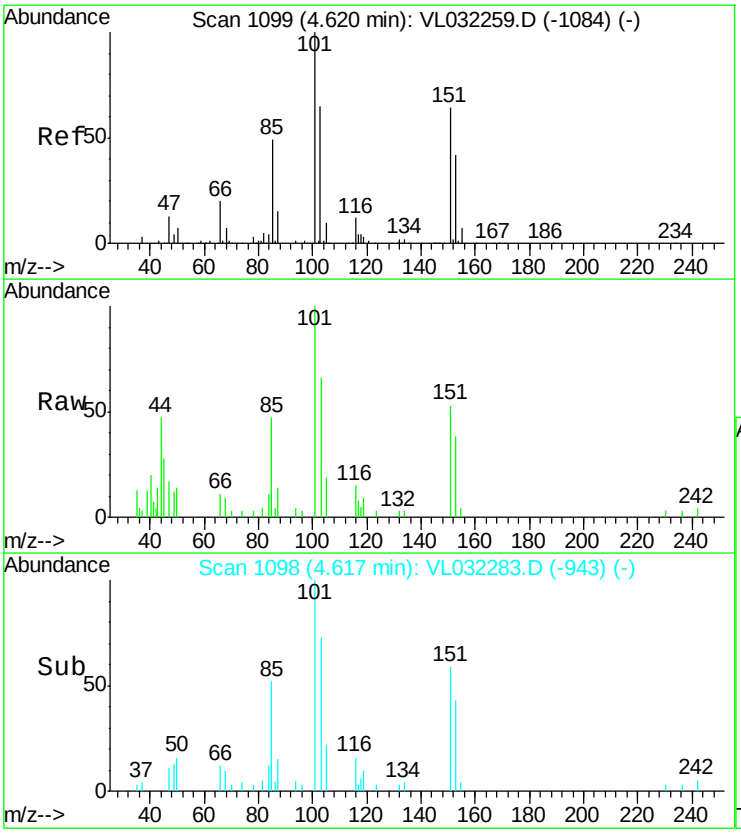
#11
Trichlorofluoromethane
Concen: 0.261 ppbv
RT: 4.07 min Scan# 927
Delta R.T. -0.00 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 57283

Ion	Ratio	Lower	Upper
101	100		
103	56.8	51.5	77.3

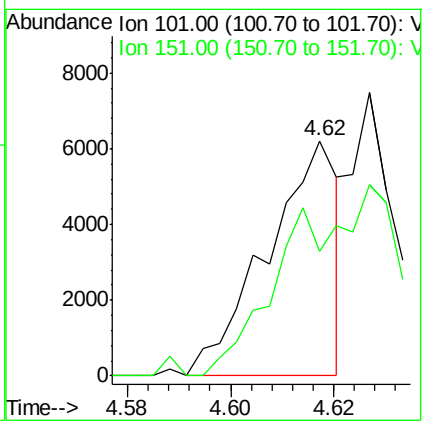


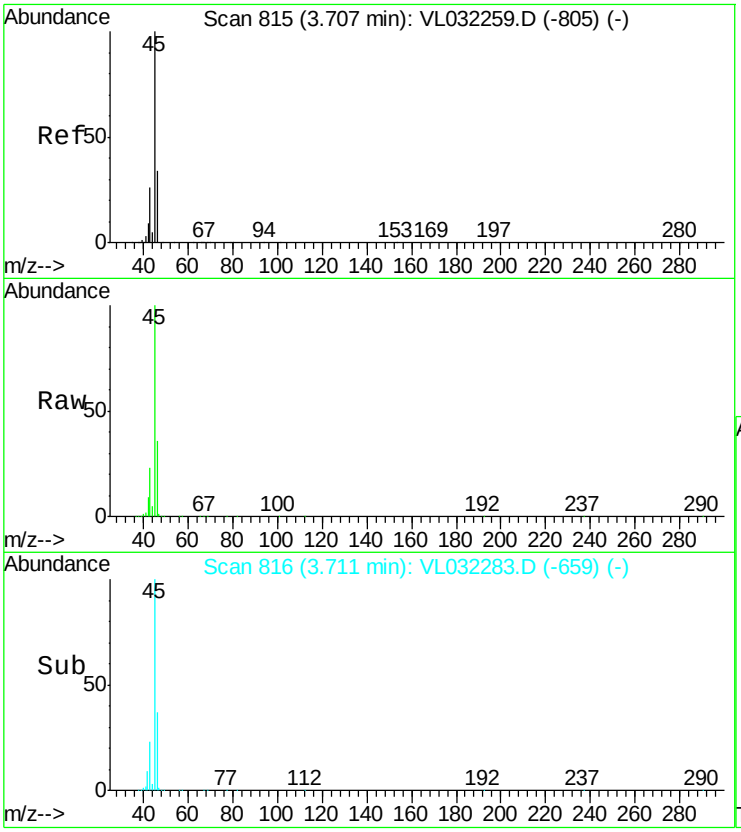


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.042 ppbv
RT: 4.62 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion:101 Resp: 5912

Ion	Ratio	Lower	Upper
101	100		
151	0.0	51.3	76.9#



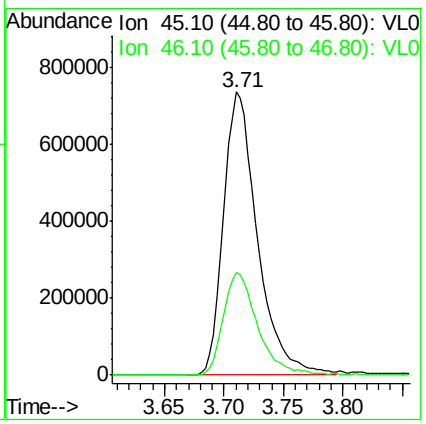


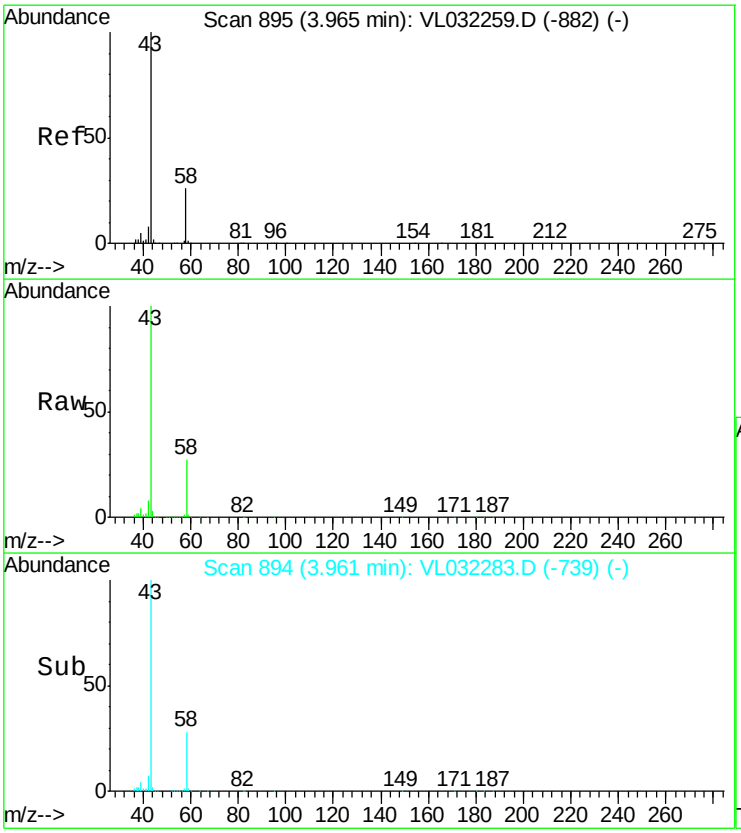
#13
Ethanol
Concen: 63.124 ppbv
RT: 3.71 min Scan# 816
Delta R.T. 0.00 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 1458947

Ion	Ratio	Lower	Upper
45	100		
46	37.1	15.2	60.8

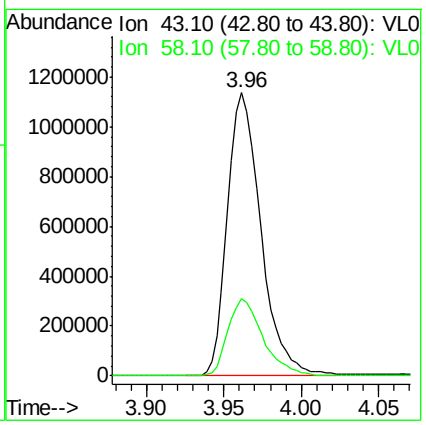


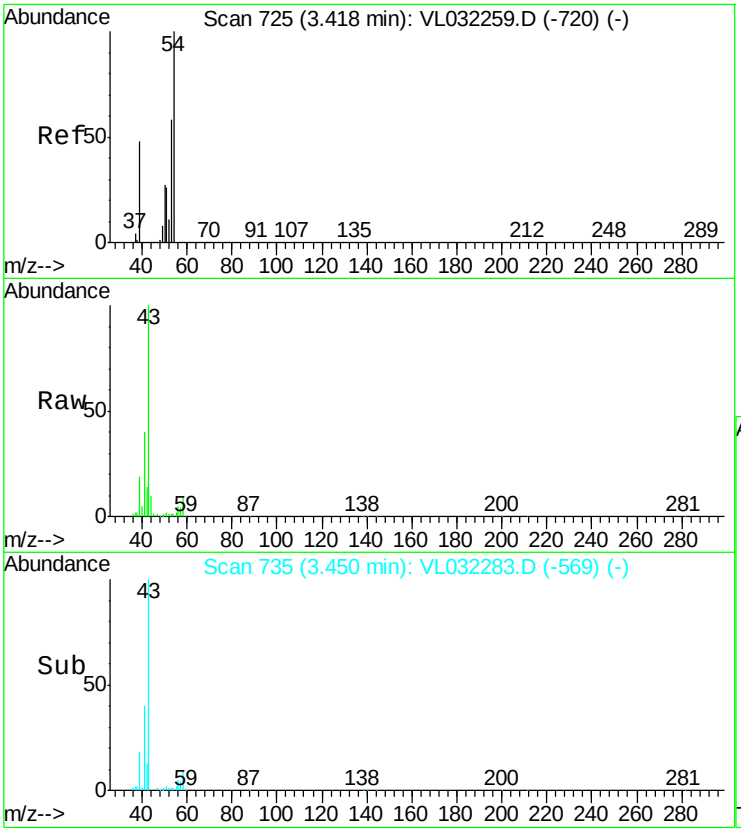


#15
Acetone
Concen: 9.892 ppbv
RT: 3.96 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion: 43 Resp: 1707564

Ion	Ratio	Lower	Upper
43	100		
58	28.7	21.8	32.6



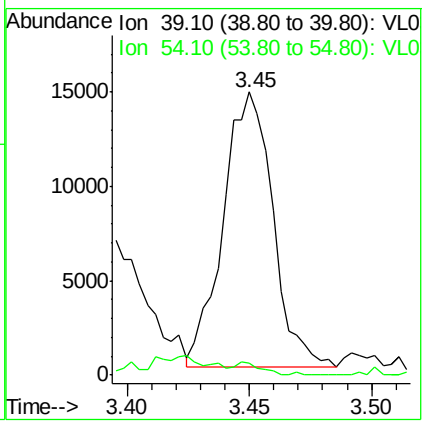


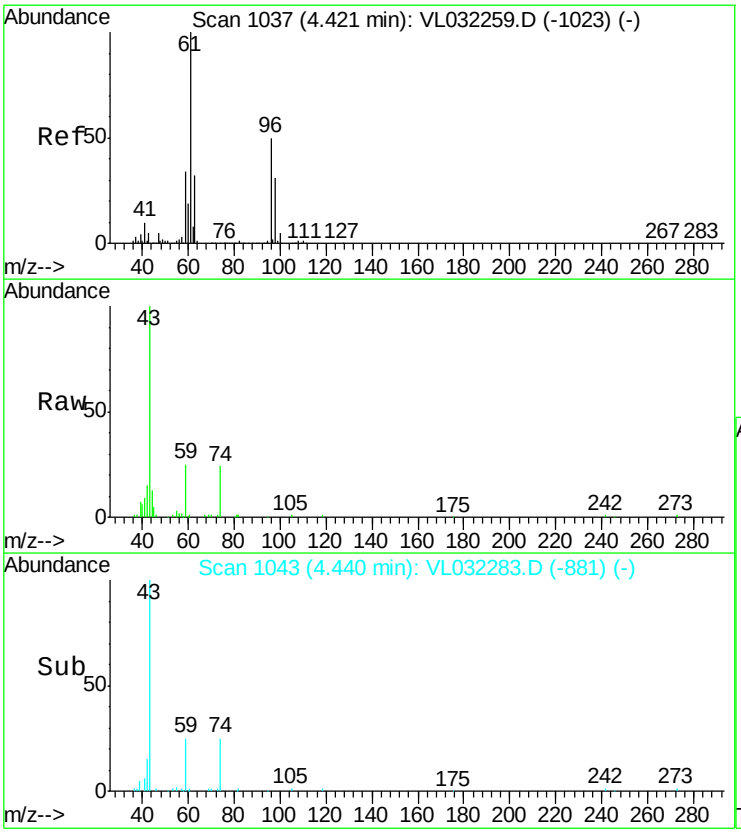
#16
1,3-Butadiene
Concen: 0.235 ppbv
RT: 3.45 min Scan# 735
Delta R.T. 0.03 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 20672

Ion	Ratio	Lower	Upper
39	100		
54	9.5	70.6	105.8#

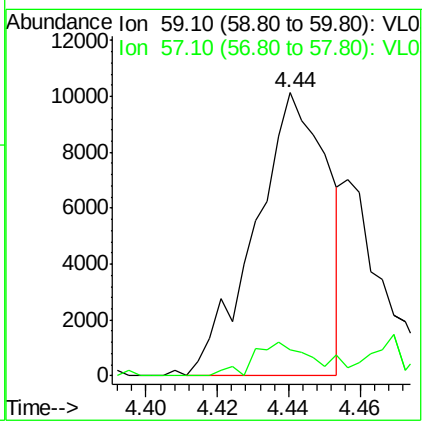


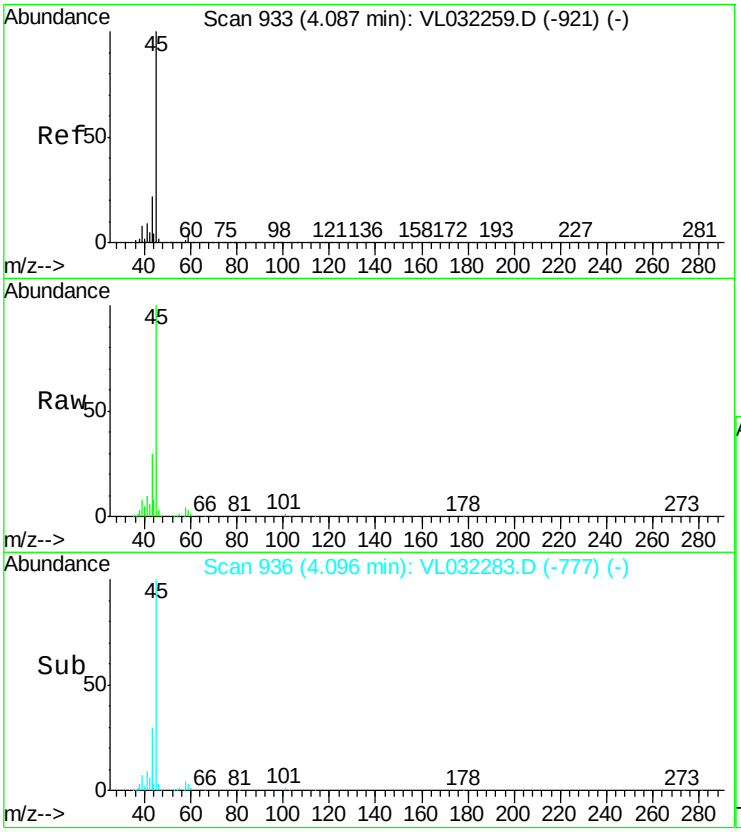


#17
tert-Butyl alcohol
Concen: 0.261 ppbv
RT: 4.44 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion: 59 Resp: 14200

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#



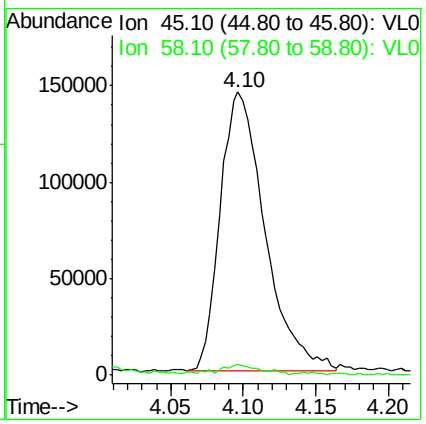


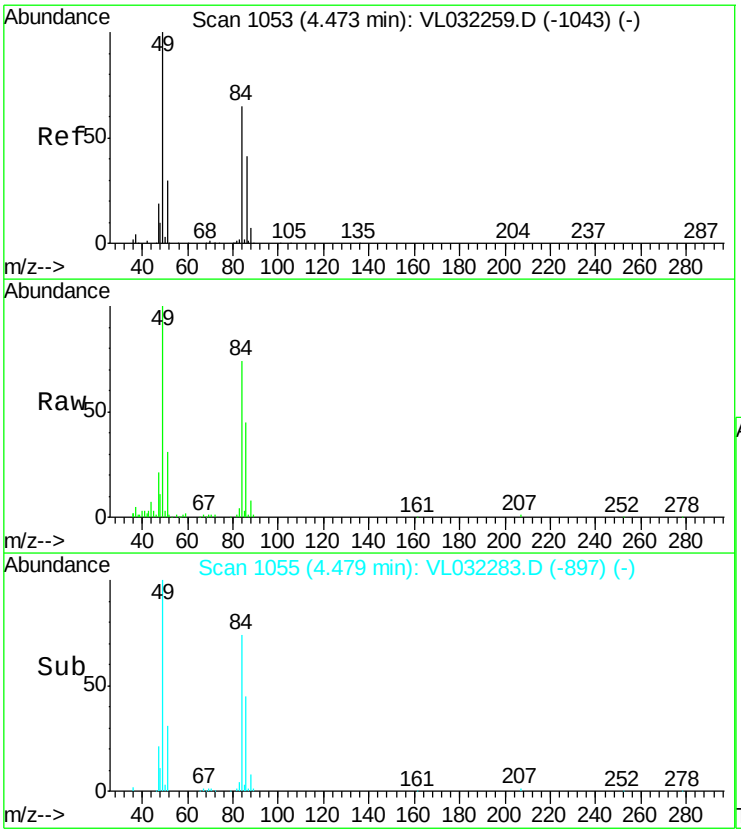
#19
Isopropyl Alcohol
Concen: 2.644 ppbv
RT: 4.10 min Scan# 936
Delta R.T. 0.01 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 308709

Ion	Ratio	Lower	Upper
45	100		
58	159.7	1.5	2.3#

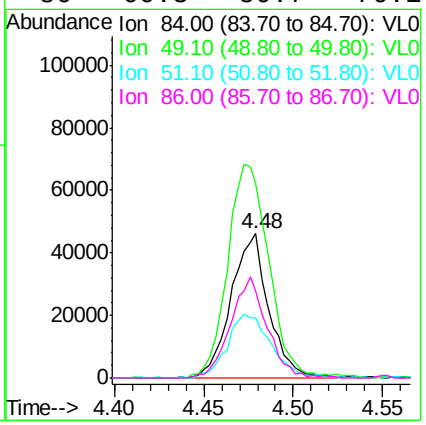


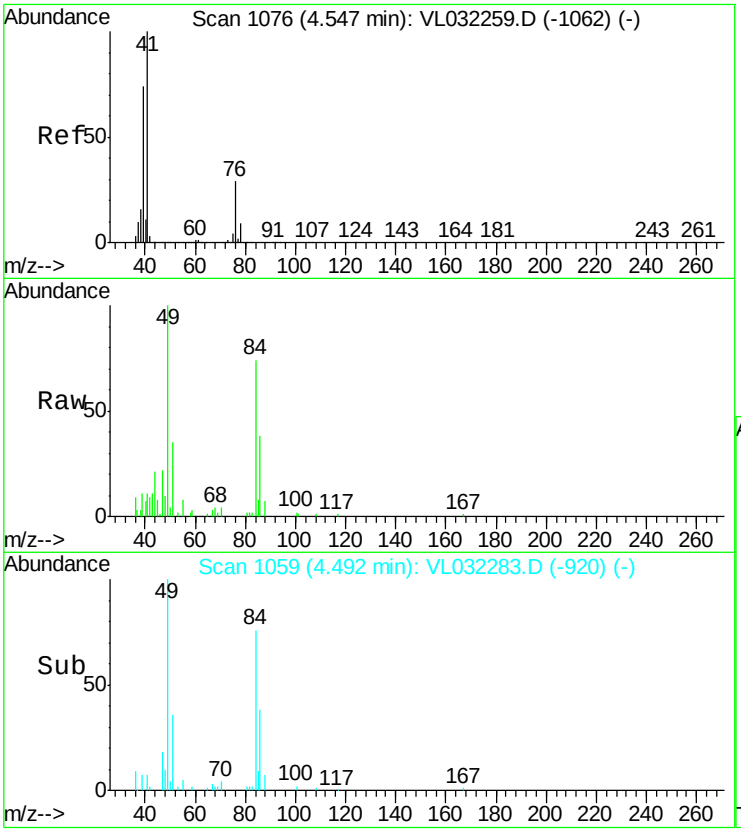


#20
Methylene Chloride
Concen: 1.021 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion: 84 Resp: 67876

Ion	Ratio	Lower	Upper
84	100		
49	135.1	122.4	183.6
51	41.9	36.8	55.2
86	60.3	50.7	76.1



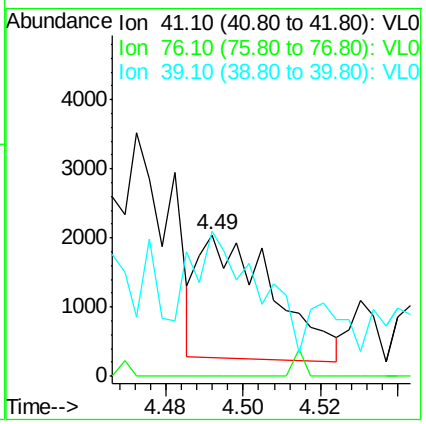


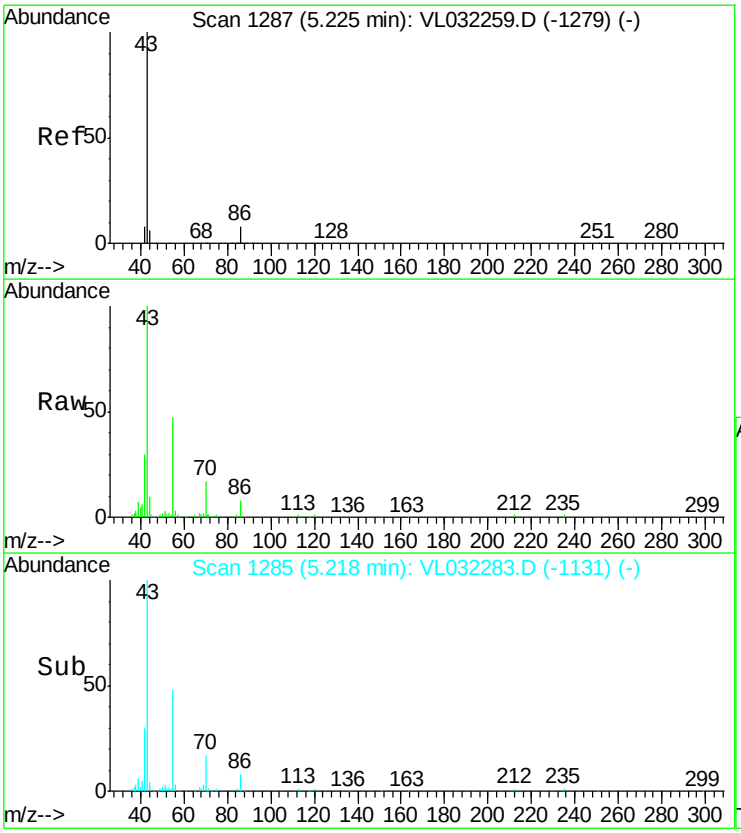
#21
Allvl Chloride
Concen: 0.021 ppbv
RT: 4.49 min Scan# 1059
Delta R.T. -0.05 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 2404

Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.0	34.6#
39	0.0	60.2	90.4#

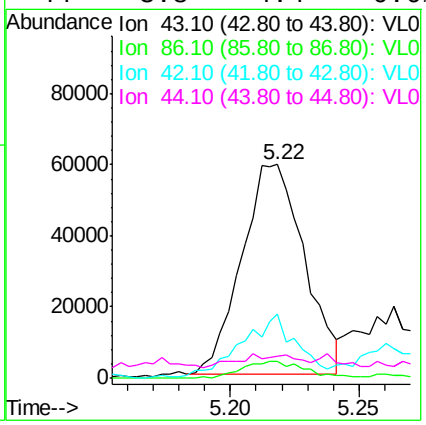


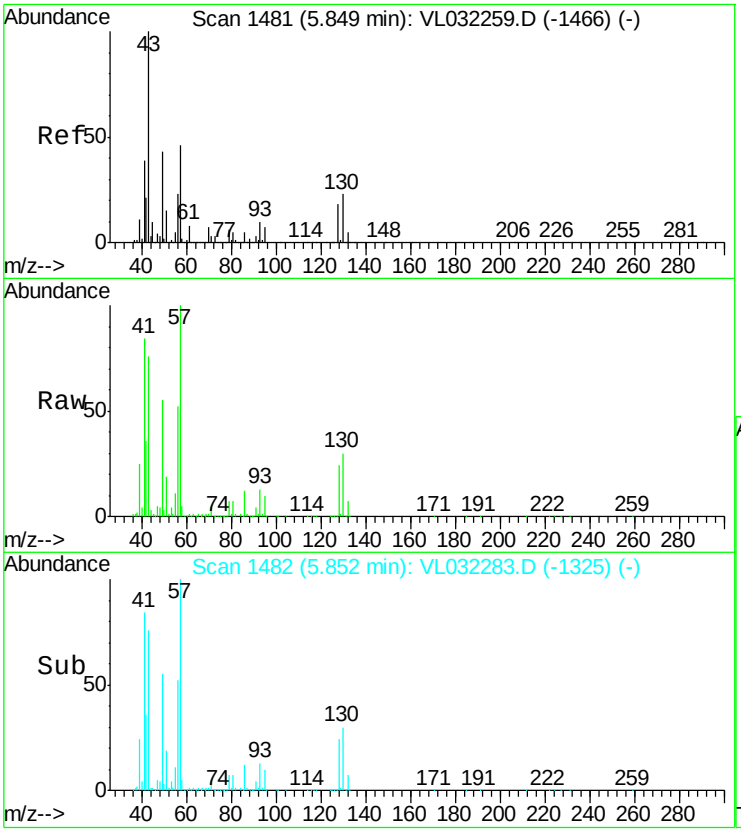


#23
Vinyl Acetate
Concen: 0.324 ppbv
RT: 5.22 min Scan# 1285
Delta R.T. -0.01 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion: 43 Resp: 100436

Ion	Ratio	Lower	Upper
43	100		
86	8.2	5.9	8.9
42	29.2	7.3	10.9#
44	3.8	4.4	6.6#



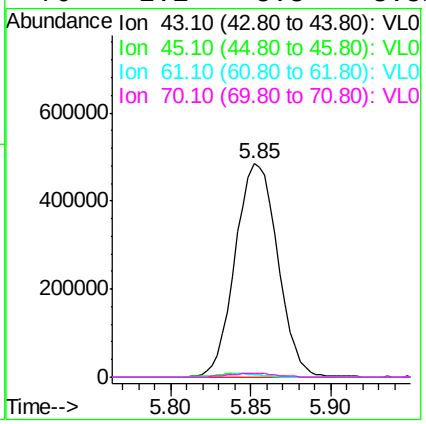


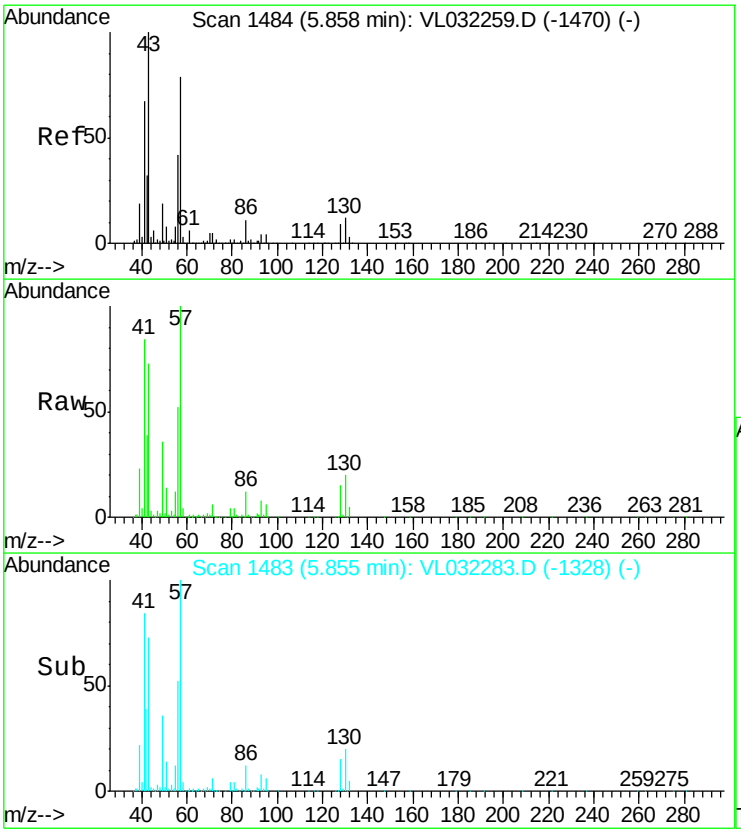
#25
Ethyl Acetate
Concen: 2.328 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 875223

Ion	Ratio	Lower	Upper
43	100		
45	2.3	7.9	11.9#
61	1.5	7.6	11.4#
70	2.1	5.8	8.8#

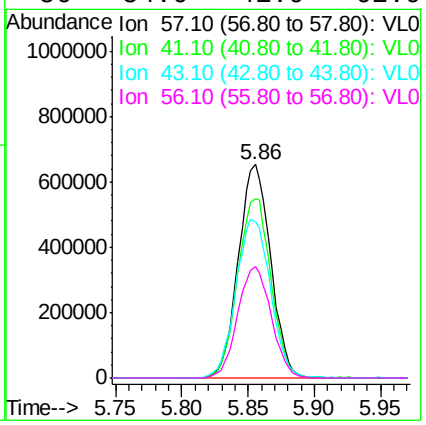


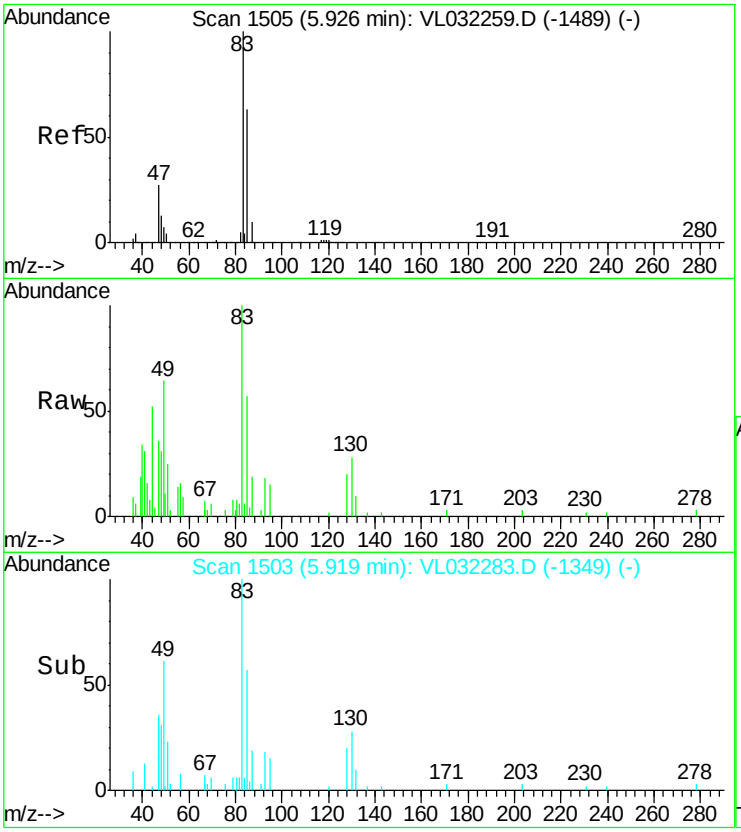


#26
Hexane
Concen: 6.396 ppbv
RT: 5.86 min Scan# 1483
Delta R.T. -0.00 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion: 57 Resp: 1104348

Ion	Ratio	Lower	Upper
57	100		
41	87.0	67.9	101.9
43	80.1	175.9	263.9#
56	54.0	41.9	62.9



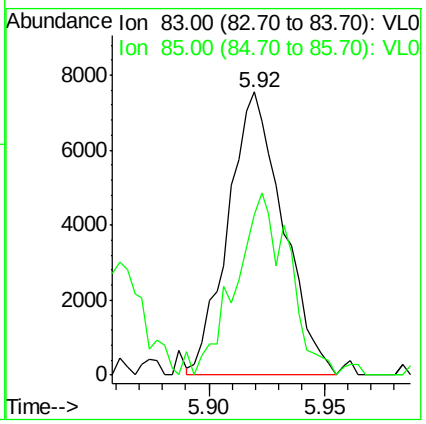


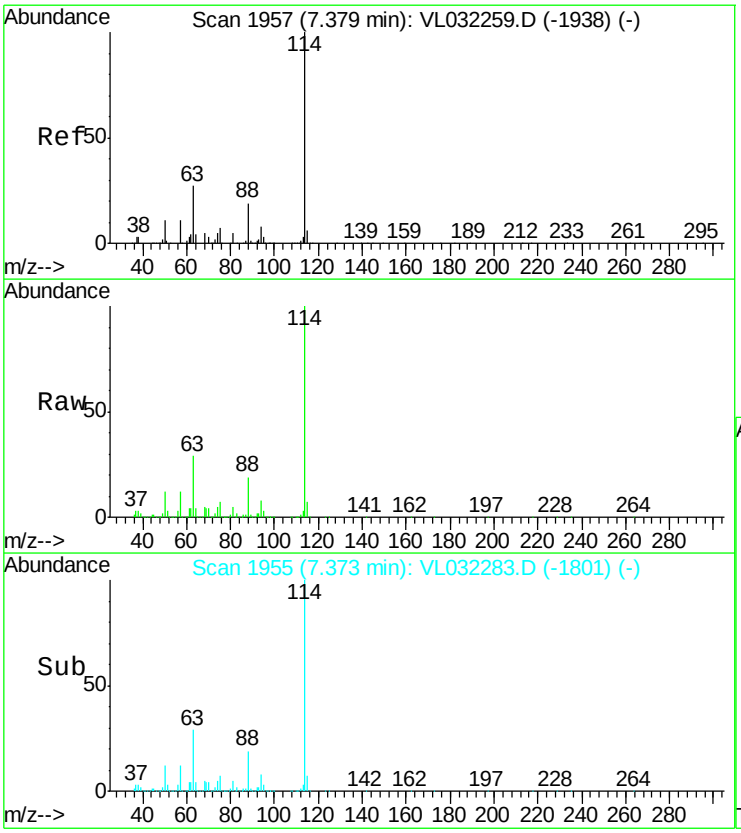
#29
Chloroform
Concen: 0.049 ppbv
RT: 5.92 min Scan# 1503
Delta R.T. -0.01 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 12400

Ion	Ratio	Lower	Upper
83	100		
85	58.1	50.7	76.1

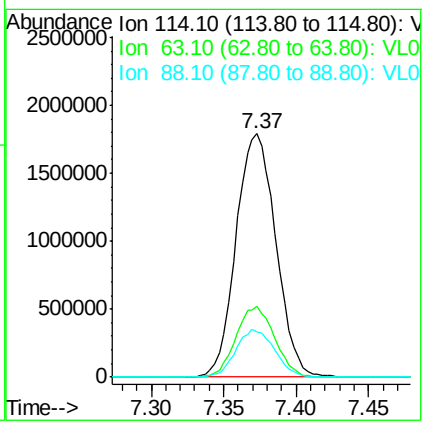


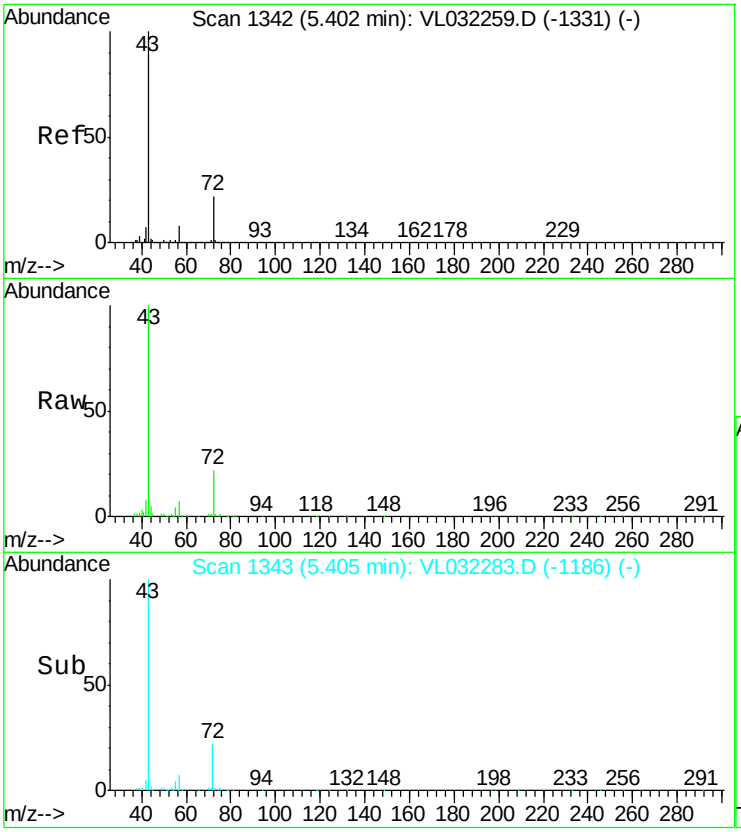


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.37 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion:114 Resp: 3416717

Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.6	33.8
88	19.2	15.2	22.8



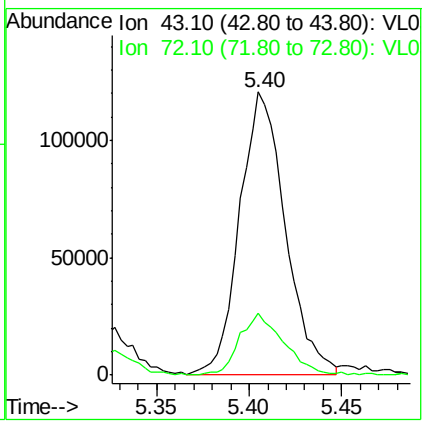


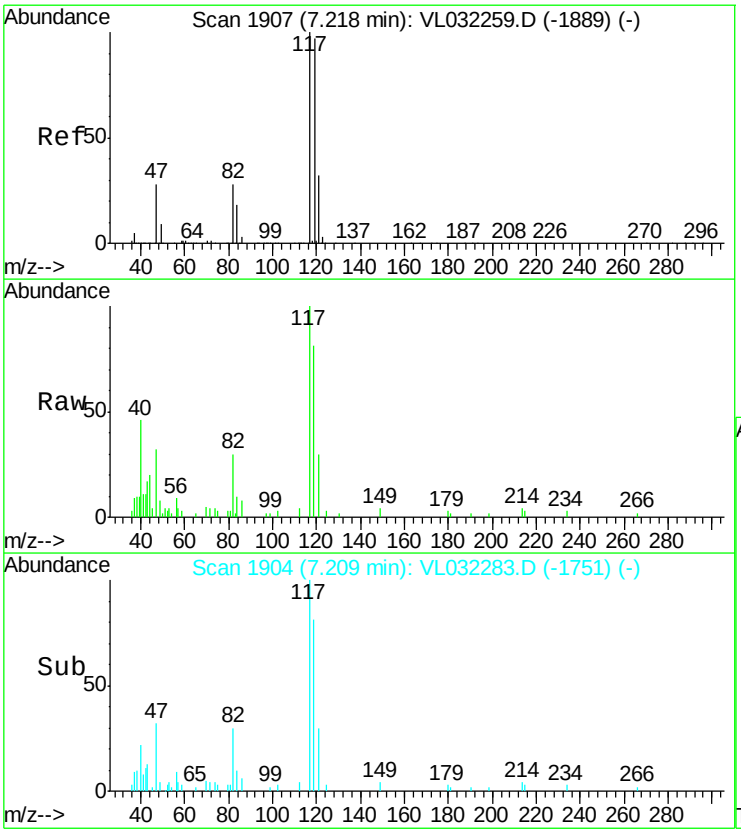
#34
2-Butanone
Concen: 0.873 ppbv
RT: 5.40 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 204635

Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.7	26.5

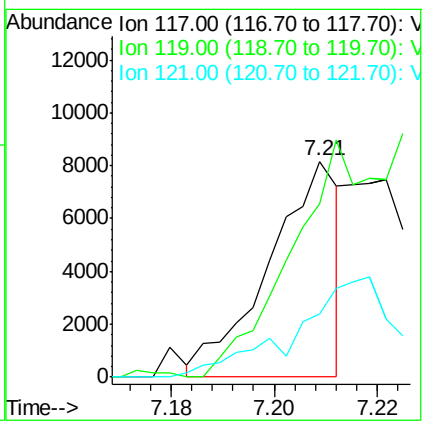


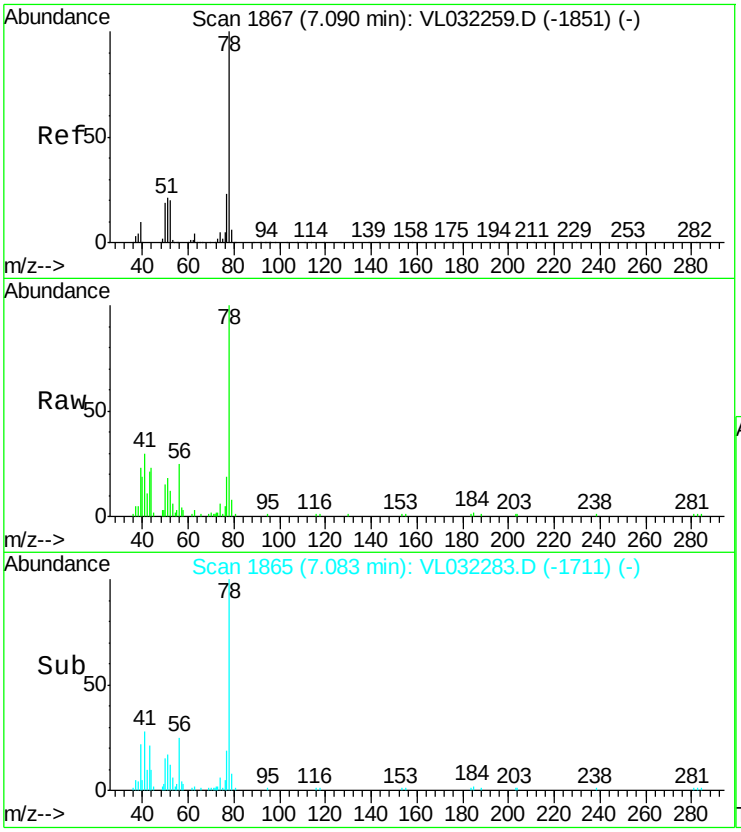


#35
Carbon Tetrachloride
Concen: 0.033 ppbv
RT: 7.21 min Scan# 1904
Delta R.T. -0.01 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion:117 Resp: 7644

Ion	Ratio	Lower	Upper
117	100		
119	85.1	77.4	116.0
121	29.0	25.4	38.2



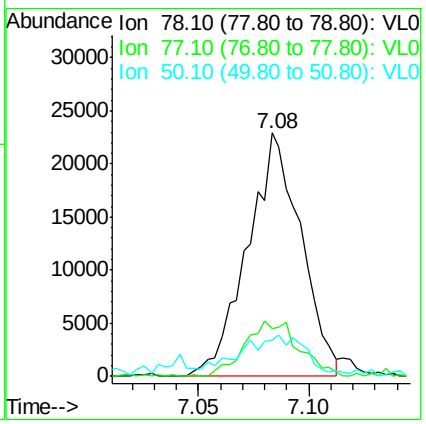


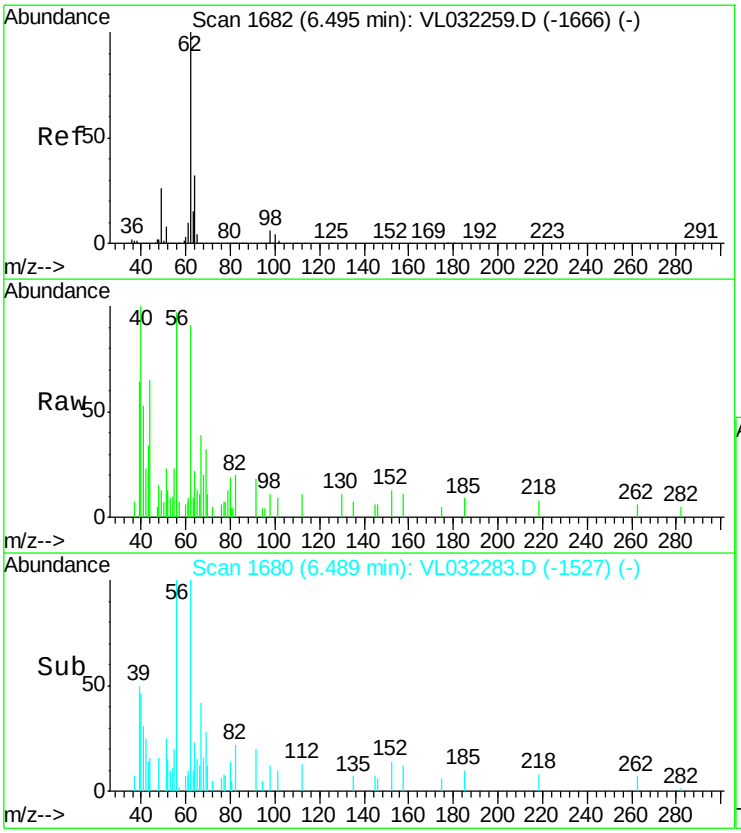
#36
Benzene
Concen: 0.114 ppbv
RT: 7.08 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 38472

Ion	Ratio	Lower	Upper
78	100		
77	19.4	18.6	27.8
50	12.2	15.0	22.6#

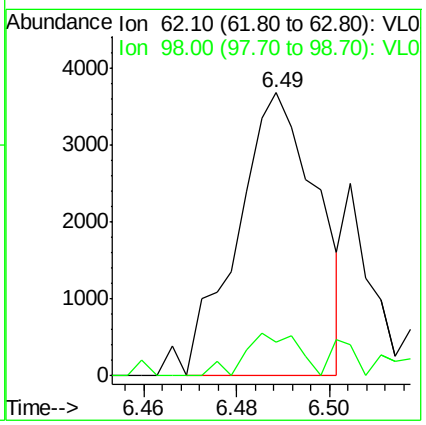


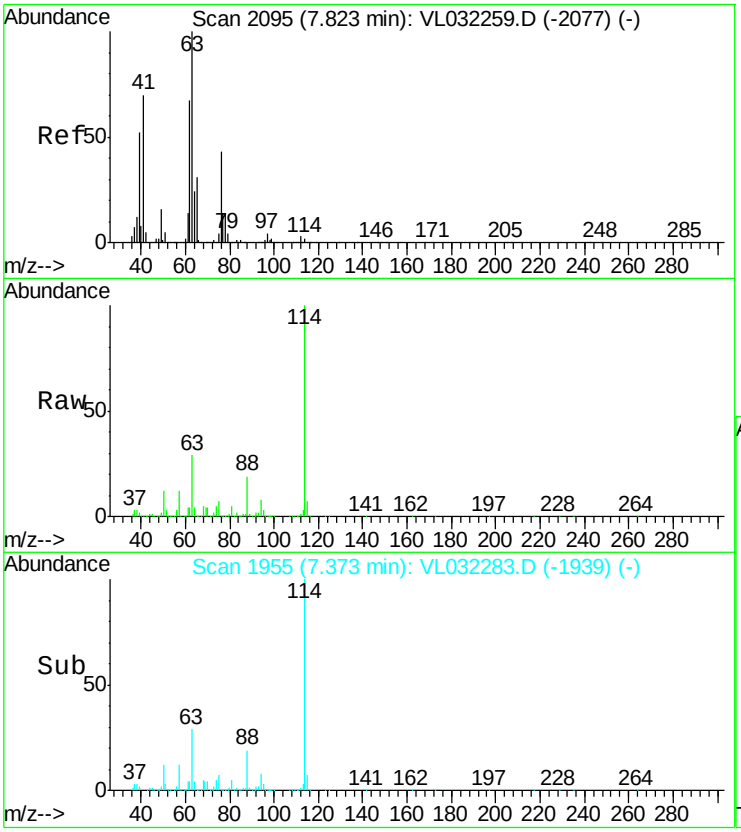


#37
1,2-Dichloroethane
Concen: 0.022 ppbv
RT: 6.49 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion: 62 Resp: 4384

Ion	Ratio	Lower	Upper
62	100		
98	17.1	4.9	7.3#



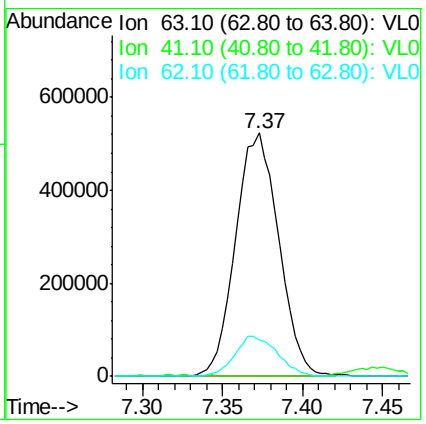


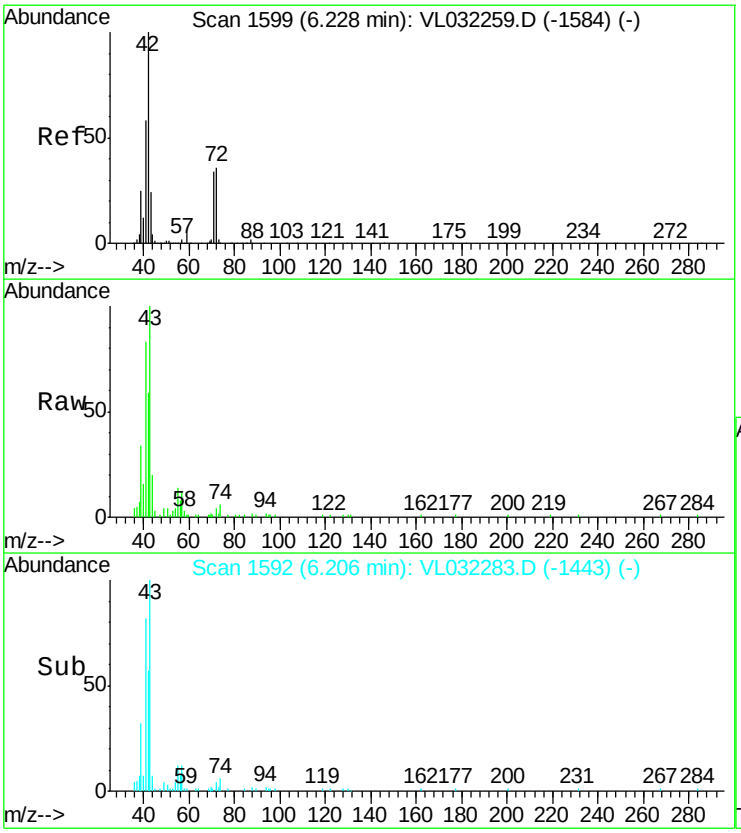
#39
1,2-Dichloropropane
Concen: 7.215 ppbv
RT: 7.37 min Scan# 1955
Delta R.T. -0.45 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 960620

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.8	83.6#
62	14.8	53.8	80.8#

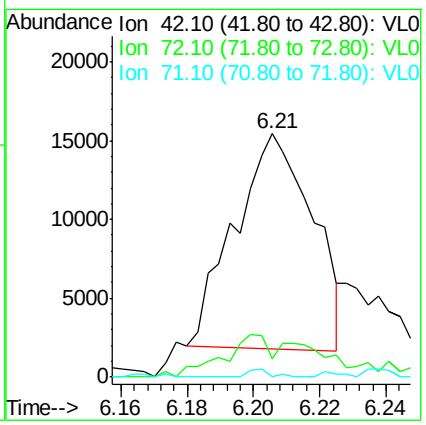


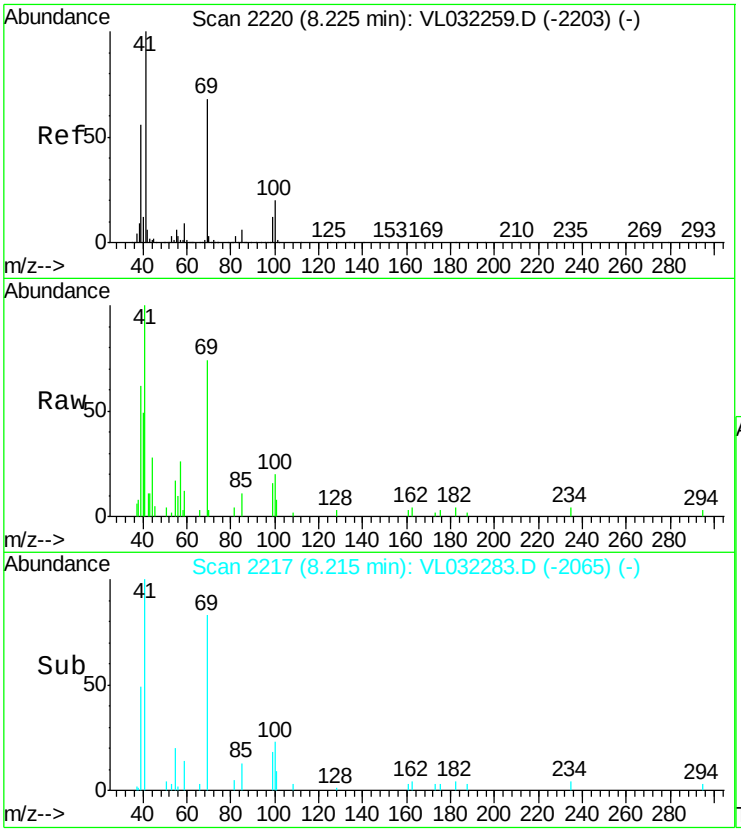


#41
Tetrahydrofuran
Concen: 0.163 ppbv
RT: 6.21 min Scan# 1592
Delta R.T. -0.02 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion: 42 Resp: 22323

Ion	Ratio	Lower	Upper
42	100		
72	28.5	29.4	44.0#
71	0.0	28.2	42.4#



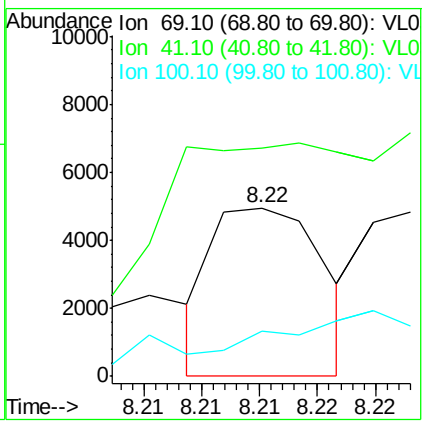


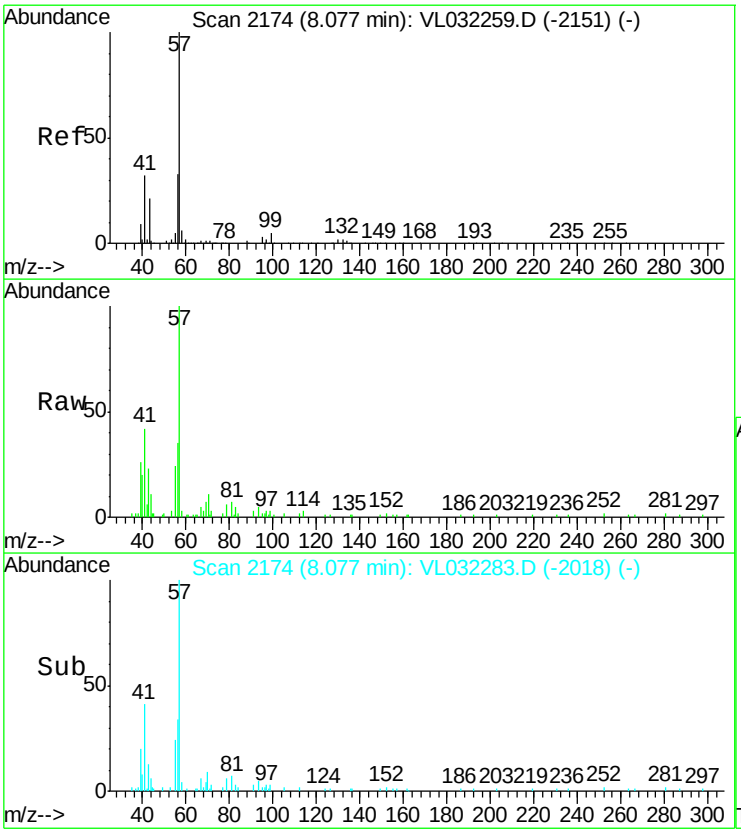
#43
Methyl Methacrylate
Concen: 0.024 ppbv
RT: 8.22 min Scan# 2217
Delta R.T. -0.01 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 3300

Ion	Ratio	Lower	Upper
69	100		
41	0.0	118.6	177.8#
100	0.0	23.3	34.9#

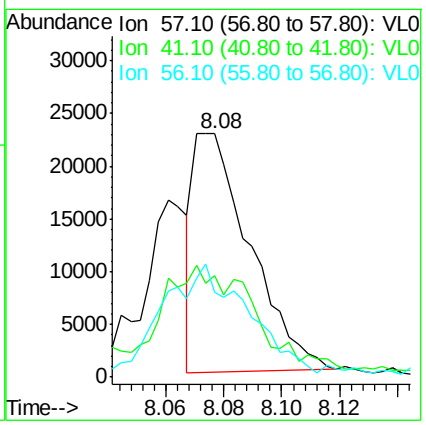


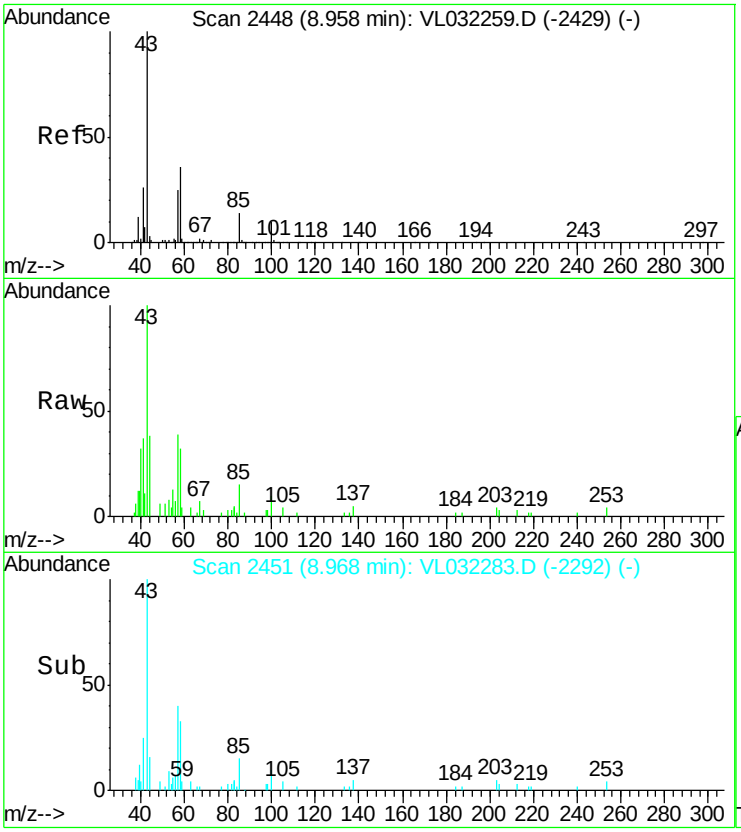


#44
2,2,4-Trimethylpentane
Concen: 0.052 ppbv
RT: 8.08 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion: 57 Resp: 30559

Ion	Ratio	Lower	Upper
57	100		
41	80.2	24.4	36.6#
56	81.0	25.7	38.5#



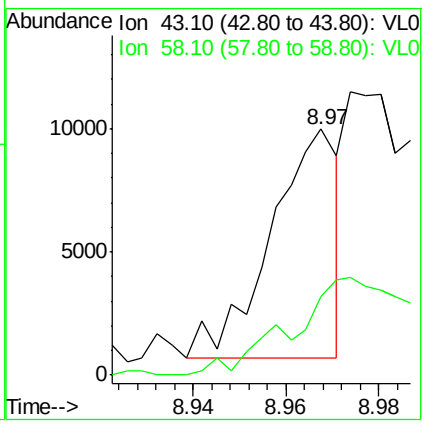


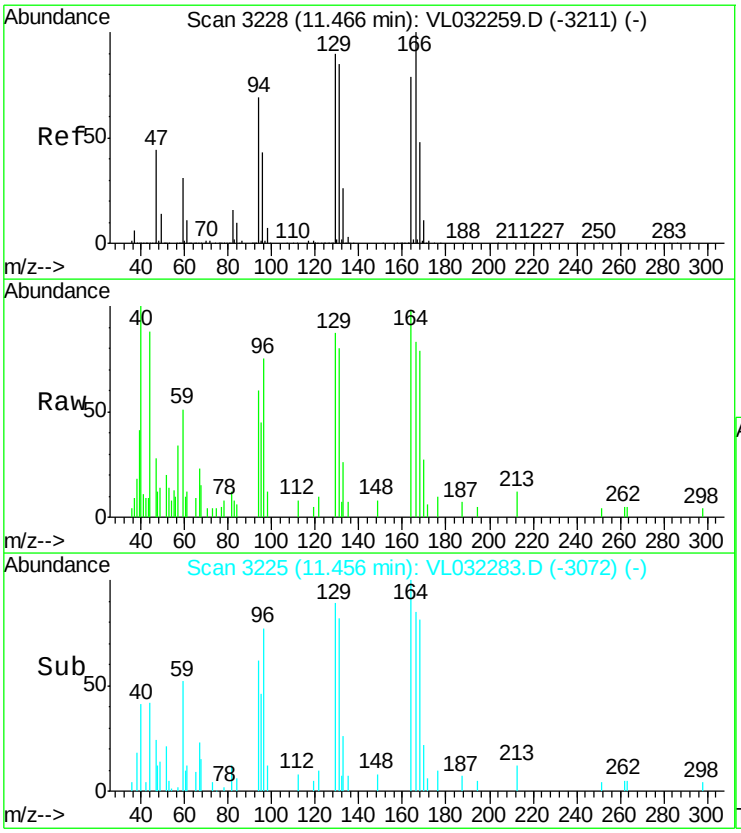
#50
4-Methyl-2-Pentanone
Concen: 0.024 ppbv
RT: 8.97 min Scan# 2451
Delta R.T. 0.01 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 9363

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.2	43.8#

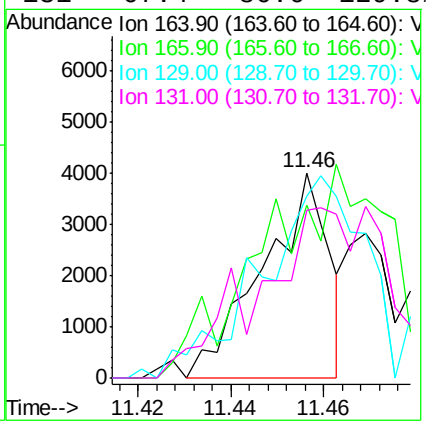


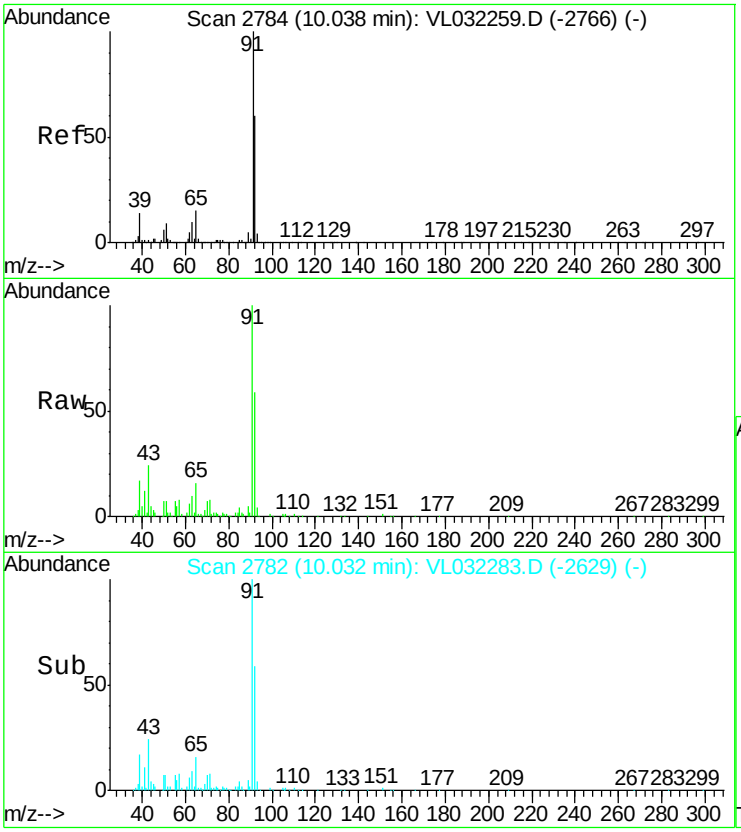


#52
Tetrachloroethene
Concen: 0.034 ppbv
RT: 11.46 min Scan# 3225
Delta R.T. -0.01 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion:164 Resp: 3946

Ion	Ratio	Lower	Upper
164	100		
166	63.9	101.7	152.5#
129	77.3	91.5	137.3#
131	67.4	86.6	129.8#



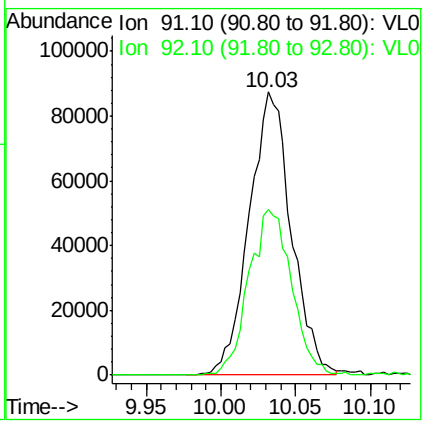


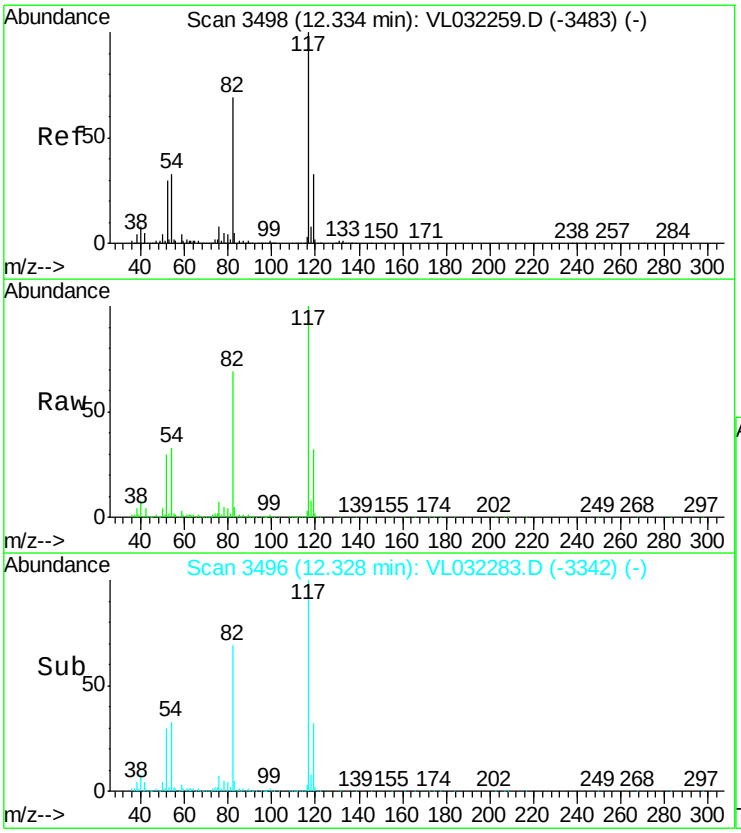
#53
Toluene
Concen: 0.420 ppbv
RT: 10.03 min Scan# 2782
Delta R.T. -0.01 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 171195

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.6	72.8

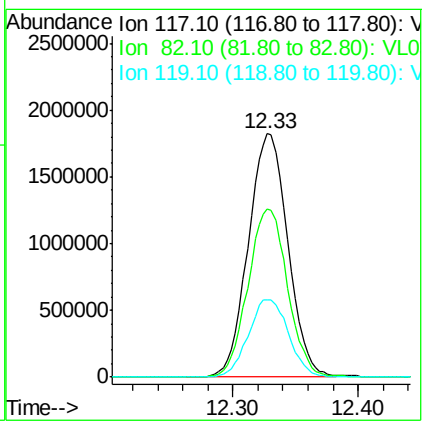


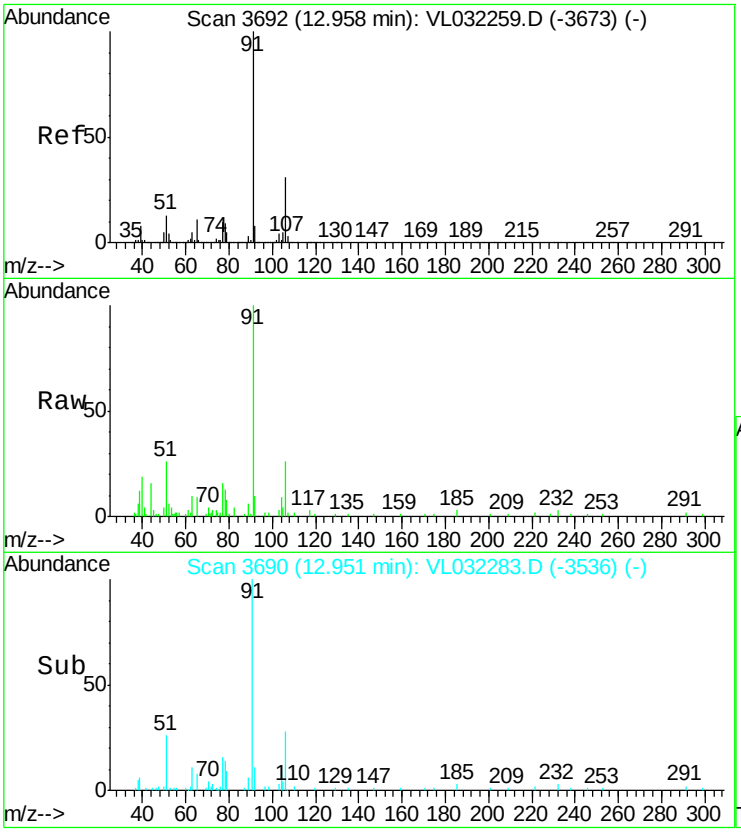


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 3496
Delta R.T. -0.01 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion:117 Resp: 3995646

Ion	Ratio	Lower	Upper
117	100		
82	69.7	53.9	80.9
119	32.6	25.5	38.3



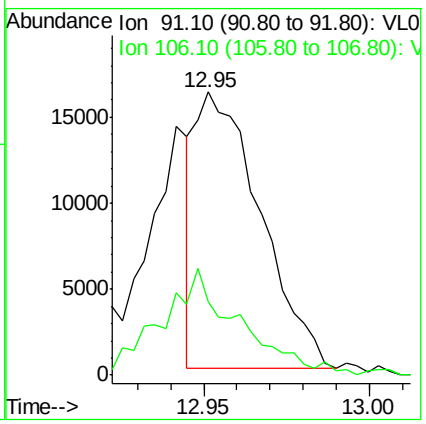


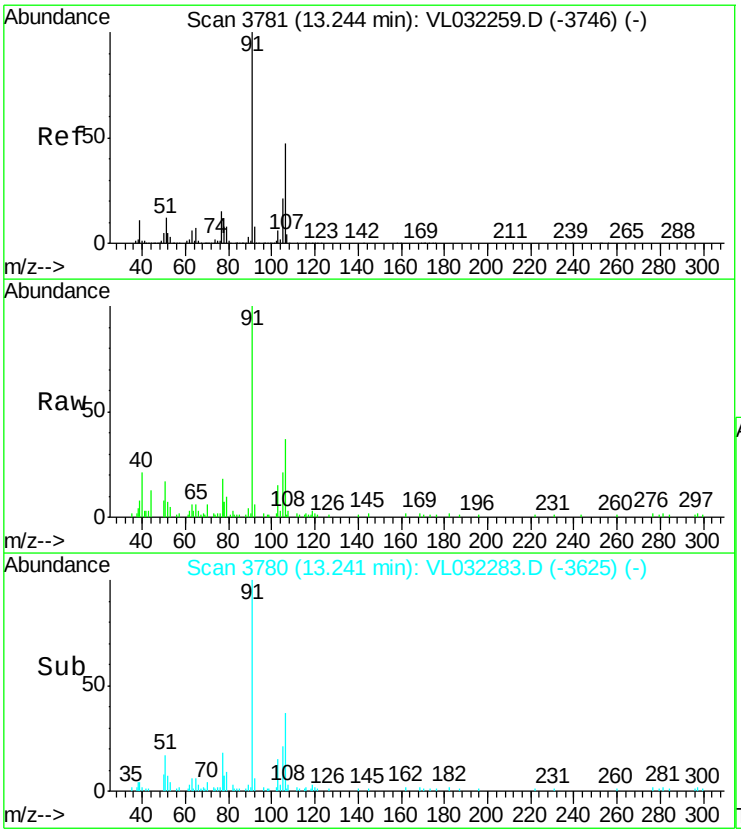
#58
Ethyl Benzene
Concen: 0.039 ppbv
RT: 12.95 min Scan# 3690
Delta R.T. -0.01 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 21824

Ion	Ratio	Lower	Upper
91	100		
106	25.4	24.5	36.7

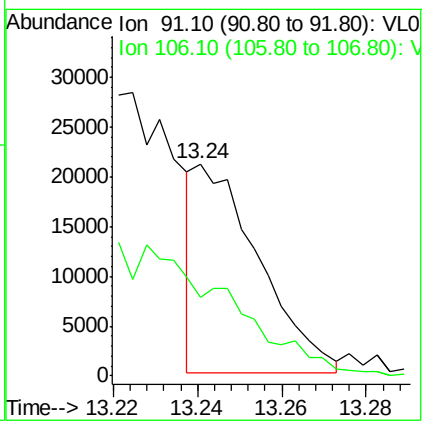


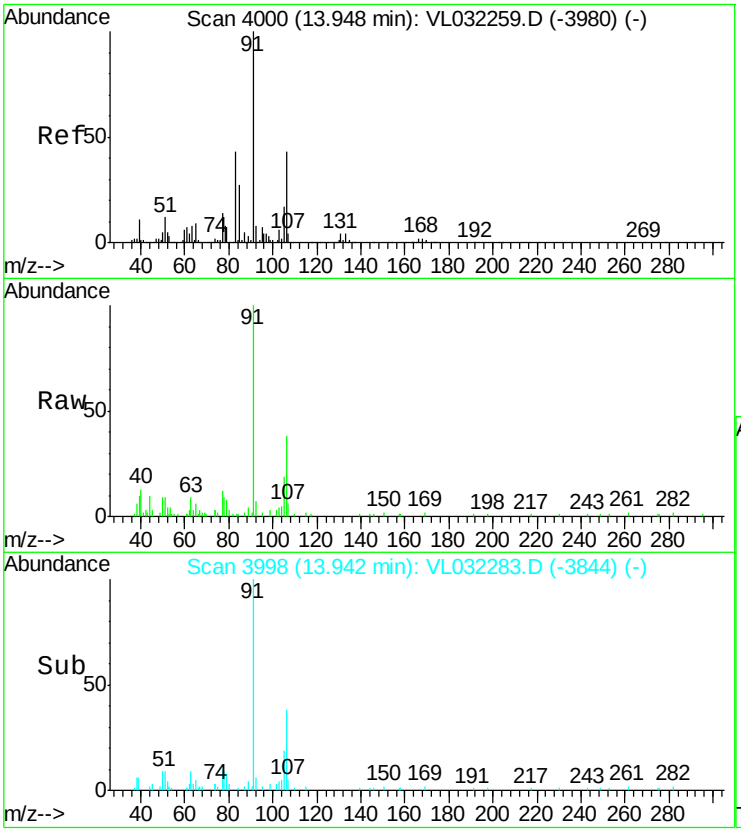


#59
m/p-Xylene
Concen: 0.046 ppbv
RT: 13.24 min Scan# 3780
Delta R.T. -0.00 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion: 91 Resp: 21949

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.2	54.2#



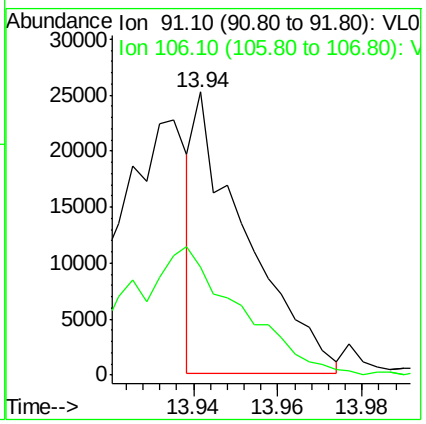


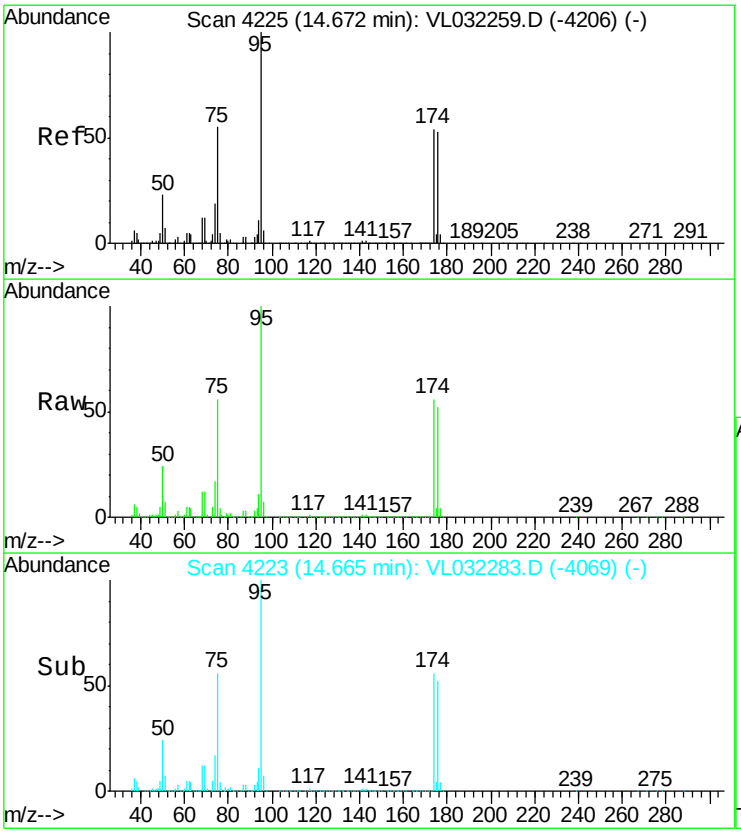
#60
o-Xylene
Concen: 0.044 ppbv
RT: 13.94 min Scan# 3998
Delta R.T. -0.01 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 21187

Ion	Ratio	Lower	Upper
91	100		
106	109.5	21.7	65.1#

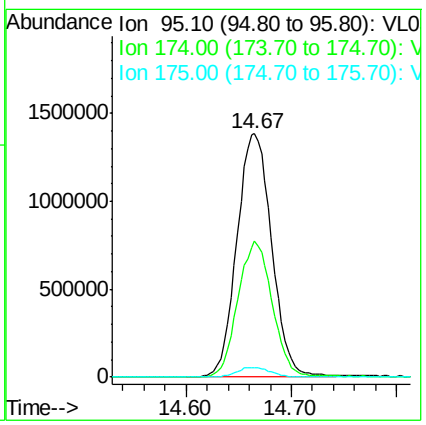


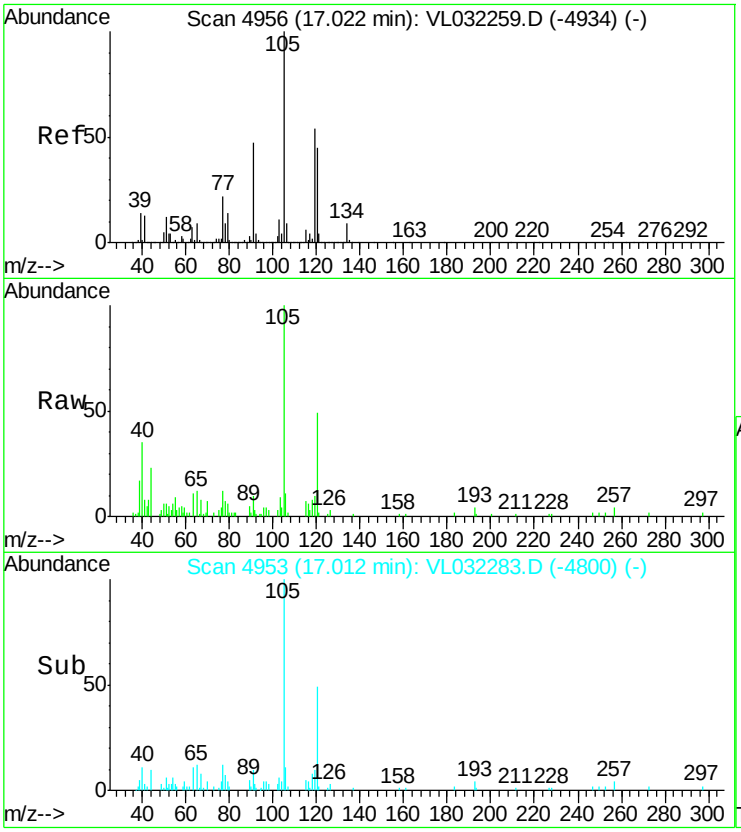


#68
1-Bromo-4-Fluorobenzene
Concen: 9.820 ppbv
RT: 14.67 min Scan# 4223
Delta R.T. -0.01 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion: 95 Resp: 3181304

Ion	Ratio	Lower	Upper
95	100		
174	56.1	44.3	66.5
175	4.0	3.3	4.9



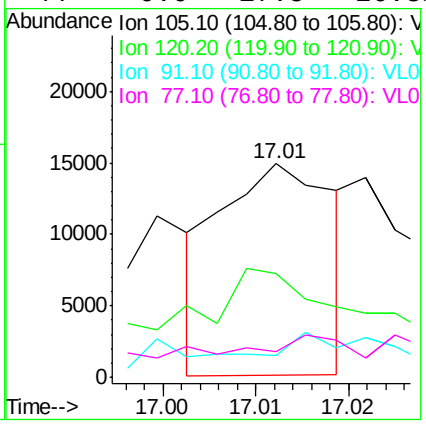


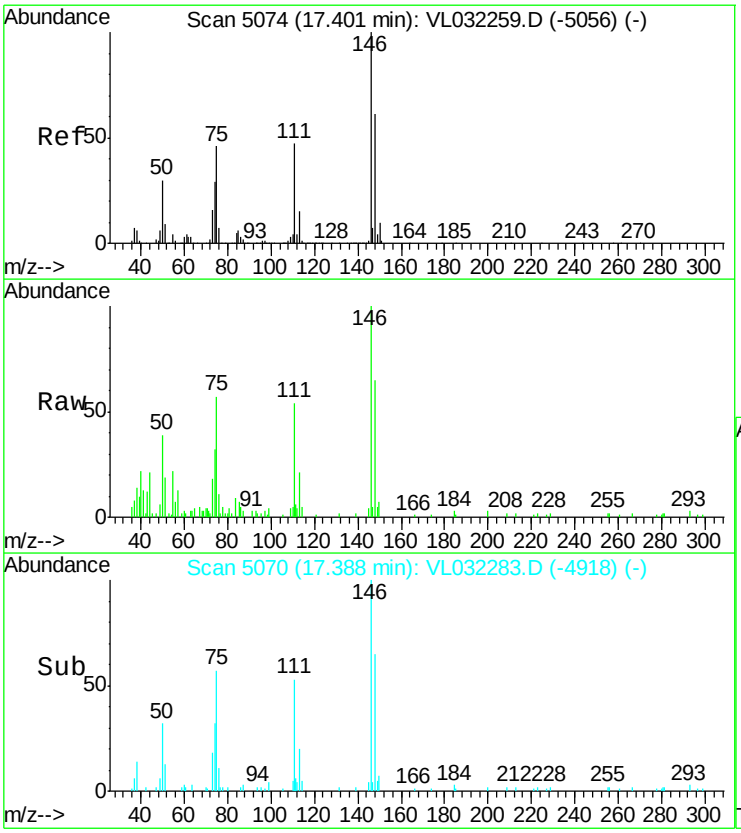
#74
1,2,4-Trimethylbenzene
Concen: 0.022 ppbv
RT: 17.01 min Scan# 4953
Delta R.T. -0.01 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 12574

Ion	Ratio	Lower	Upper
105	100		
120	47.9	35.8	53.6
91	9.9	38.2	57.4#
77	0.0	17.5	26.3#





#76
1,4-Dichlorobenzene
Concen: 0.044 ppbv
RT: 17.39 min Scan# 5070
Delta R.T. -0.01 min
Lab File: VL032283.D
Acq: 19 Jul 2018 5:45

Tgt Ion:146 Resp: 13770

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.1	72.2#
148	0.0	31.9	95.9#