Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL050318\
Data File : VL031965.D
Acq On : 3 May 2018 14:40
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 03 15:06:53 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 03 12:00:23 2018
QLast Update : Thu May 03 12:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1229553	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	3154532	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2599299	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.72	95	2078840	9.95	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.15	85	3462	0.014	ppbv #	83
3) Chlorodifluoromethane	3.10	51	4437	0.031	ppbv	98
4) Chloromethane	3.25	50	767	0.011	ppbv #	41
5) Vinyl Chloride	3.38	62	1272	0.015	ppbv	92
6) Bromomethane	3.60	94	790	0.015	ppbv #	76
8) Dichlorotetrafluoroethane	3.30	85	5680	0.027	ppbv #	74
11) Trichlorofluoromethane	4.11	101	5098	0.021	ppbv #	70
12) 1,1,2-Trichlorotrifluoroet	4.66	101	1710	0.011	ppbv #	1
14) Bromoethene	3.89	108	1559	0.026	ppbv #	94
15) Acetone	4.03	43	21792	0.115	ppbv	92
16) 1,3-Butadiene	3.45	39	940	0.013	ppbv #	10
17) tert-Butyl alcohol	4.50	59	1592	0.020	ppbv #	78
18) 1,1-Dichloroethene	4.45	96	1633	0.024	ppbv #	74
19) Isopropyl Alcohol	4.15	45	2731	0.026	ppbv #	82
20) Methylene Chloride	4.52	84	8029	0.116	ppbv #	92
21) Allyl Chloride	4.58	41	1841	0.017	ppbv #	17
22) trans-1,2-Dichloroethene	5.07	96	1051	0.015	ppbv #	51
23) Vinyl Acetate	5.27	43	2951	0.015	ppbv #	82
24) 1,1-Dichloroethane	5.21	63	3202	0.017	ppbv #	88
27) Carbon Disulfide	4.73	76	1808	0.010	ppbv #	63
29) Chloroform	5.97	83	3487	0.015	ppbv #	82
35) Carbon Tetrachloride	7.27	117	5658	0.021	ppbv #	47
36) Benzene	7.13	78	3854	0.014	ppbv #	65
38) Trichloroethene	8.10	130	1442	0.013	ppbv #	61
39) 1,2-Dichloropropane	7.42	63	824648	7.818	ppbv #	22
42) Bromodichloromethane	8.05	83	2825	0.011	ppbv #	97
44) 2,2,4-Trimethylpentane	8.12	57	4920	0.010	ppbv #	11
46) cis-1,3-Dichloropropene	8.97	75	2373	0.014	ppbv #	60
49) Bromoform	13.35	173	1632	0.010	ppbv #	1
58) Ethyl Benzene	13.01	91	4357	0.012	ppbv #	64
62) Isopropylbenzene	14.97	105	8941	0.022	ppbv	93
63) 1,1,2,2-Tetrachloroethane	13.99	83	2731	0.011	ppbv #	1
66) Benzyl Chloride	17.30	91	501	0.016	ppbv #	68
73) 1,3,5-Trimethylbenzene	16.31	105	3164	0.011	ppbv	98
75) 1,3-Dichlorobenzene	17.32	146	5068	0.025	ppbv #	40
78) Hexachloro-1,3-Butadiene	23.68	225	777	0.010	ppbv #	18
80) Naphthalene,2-methyl-	25.25	142	370	0.010	ppbv #	30

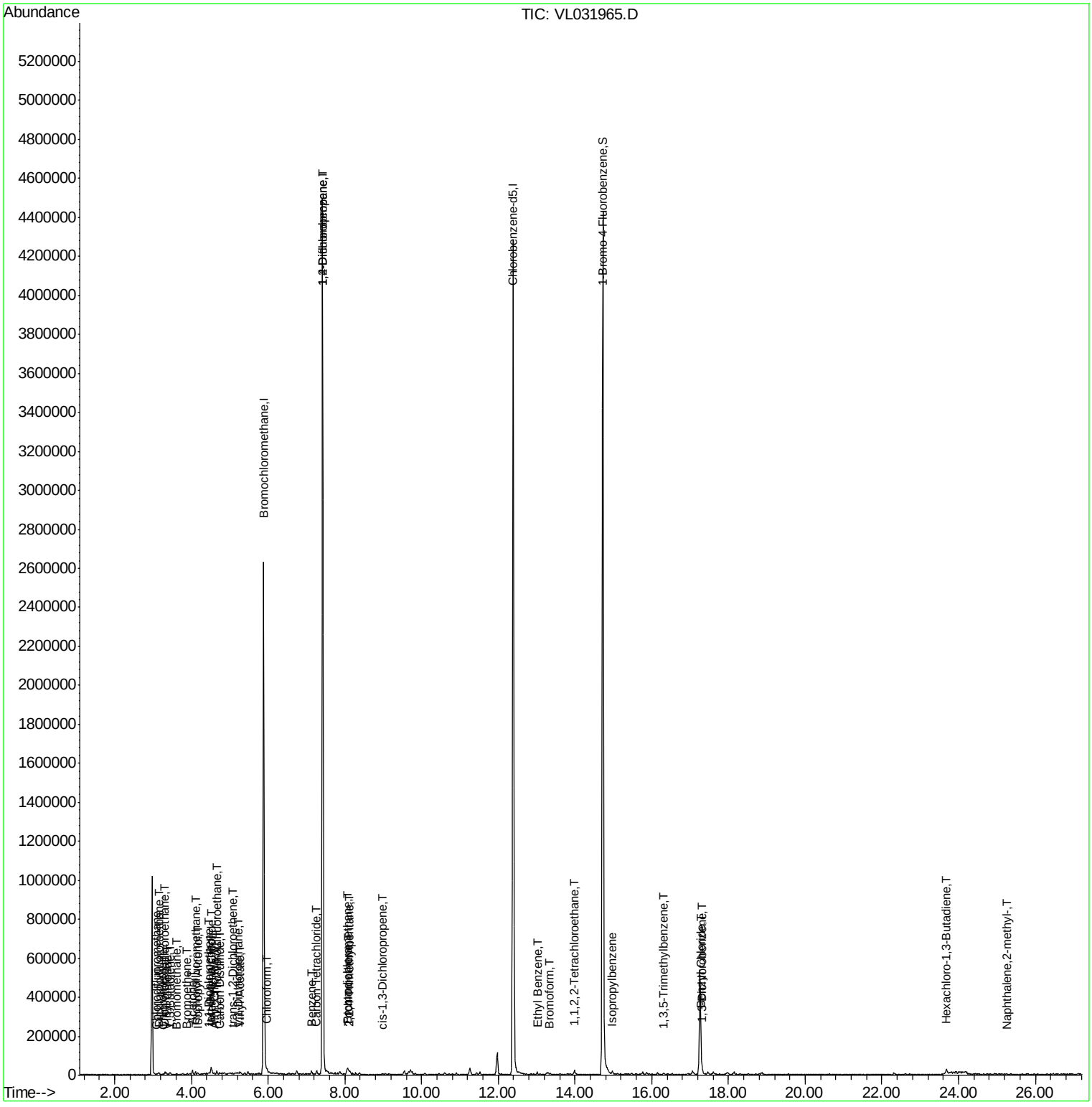
(#) = qualifier out of range (m) = manual integration (+) = signals summed

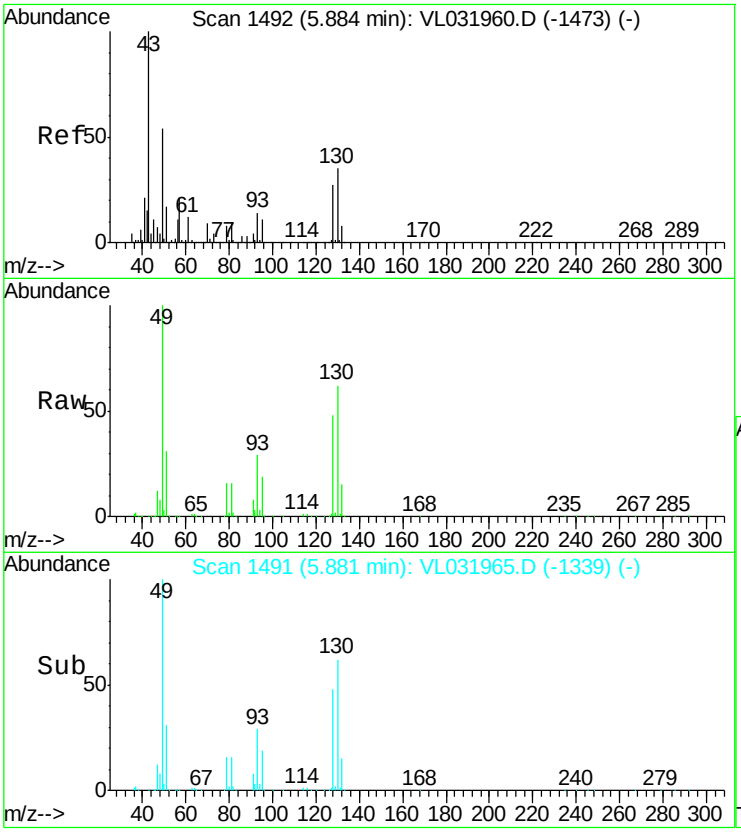
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL050318\
Data File : VL031965.D
Acq On : 3 May 2018 14:40
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 03 15:06:53 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 03 12:00:23 2018
QLast Update : Thu May 03 12:00:23 2018
Response via : Initial Calibration



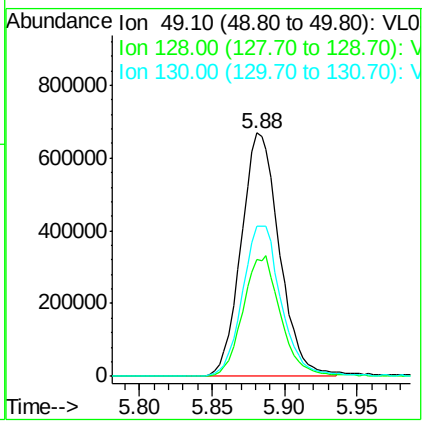


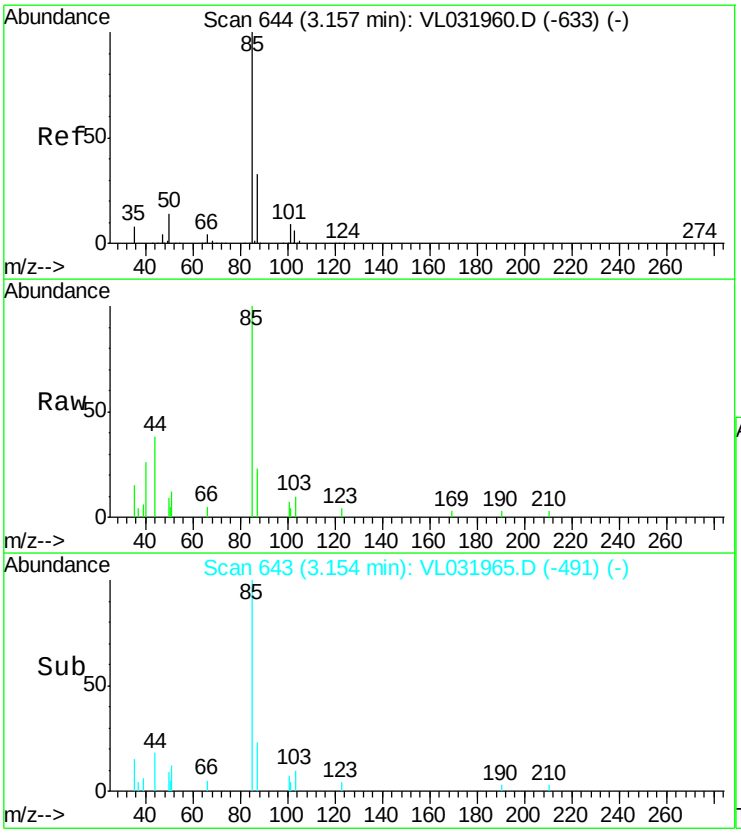
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.88 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1229553

Ion	Ratio	Lower	Upper
49	100		
128	49.0	23.9	71.7
130	63.2	30.9	92.7

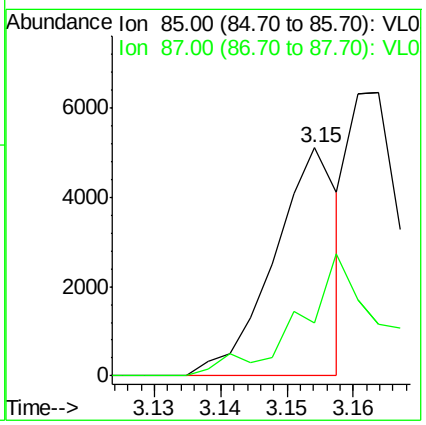


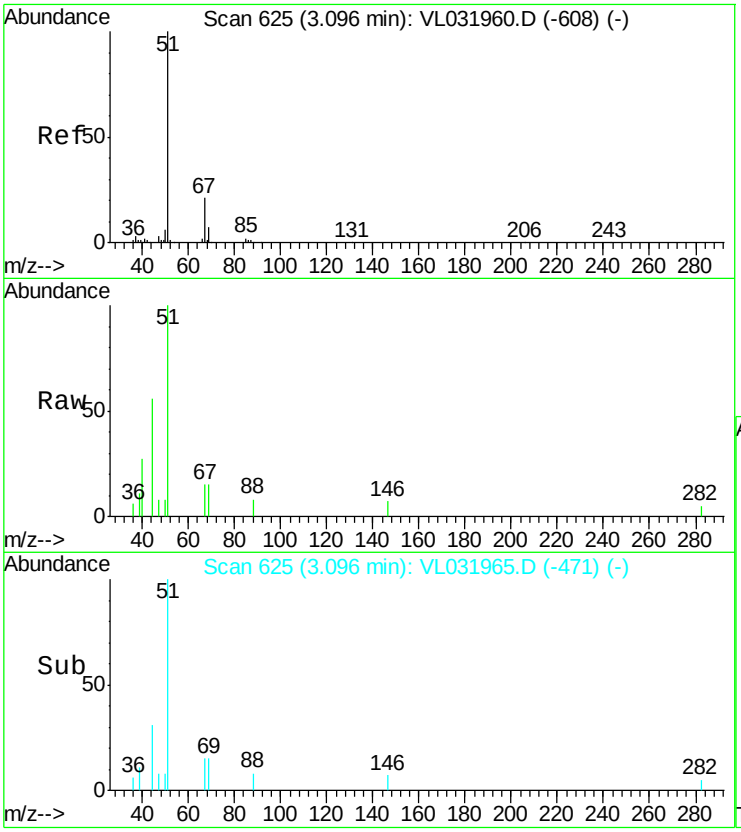


#2
Dichlorodifluoromethane
Concen: 0.014 ppbv
RT: 3.15 min Scan# 643
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion: 85 Resp: 3462

Ion	Ratio	Lower	Upper
85	100		
87	23.1	25.9	38.9#



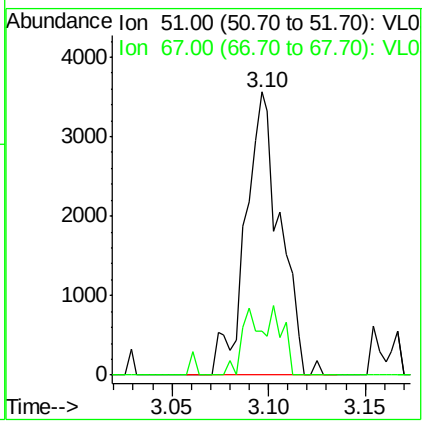


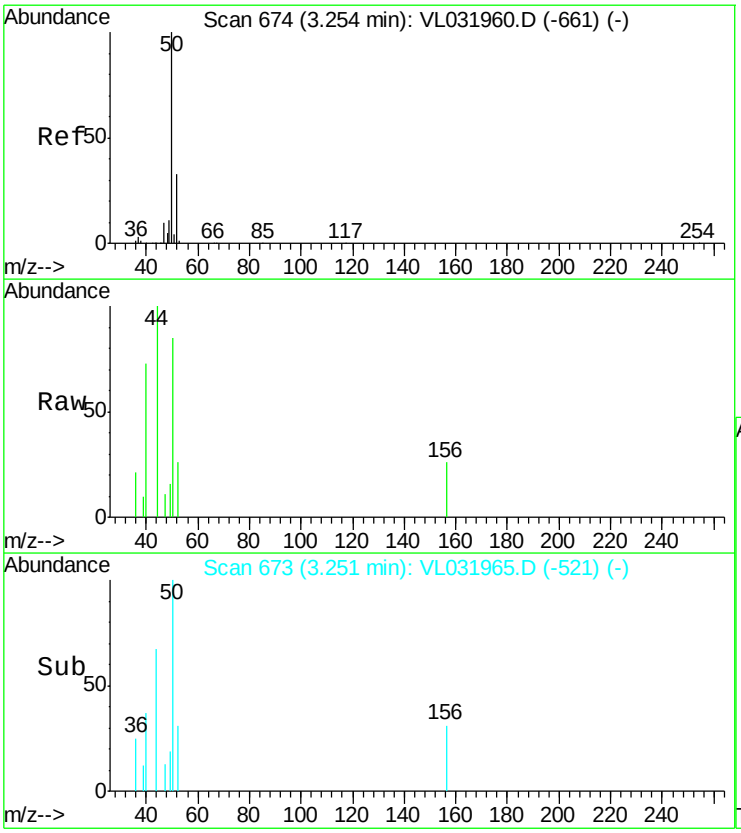
#3
Chlorodifluoromethane
Concen: 0.031 ppbv
RT: 3.10 min Scan# 625
Delta R.T. -0.00 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 4437

Ion	Ratio	Lower	Upper
51	100		
67	22.7	17.5	26.3

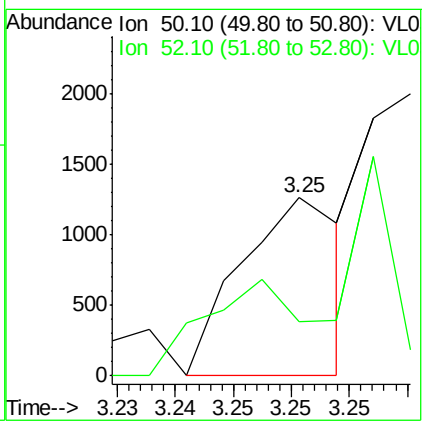


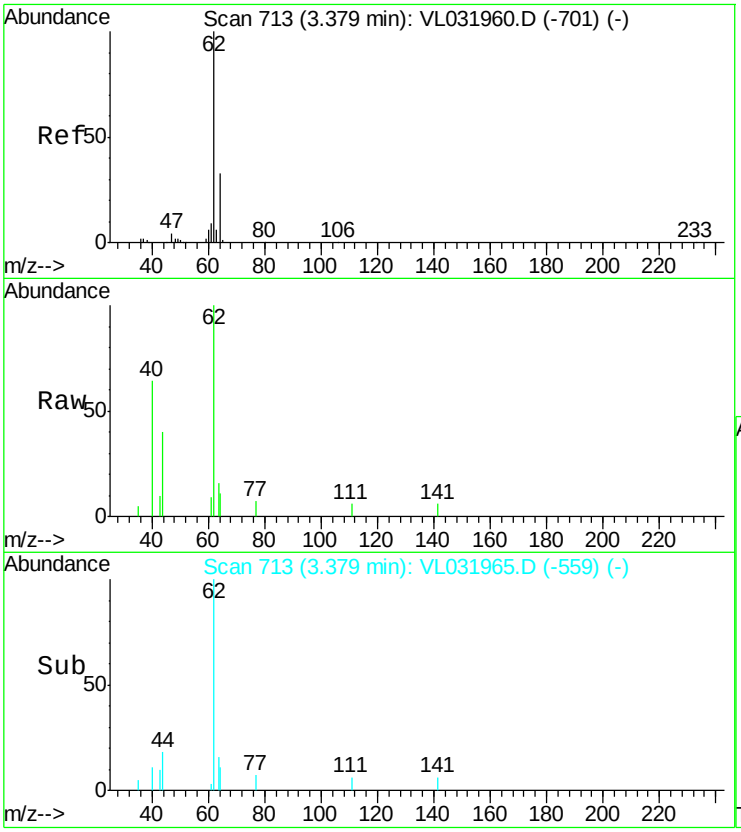


#4
Chloromethane
Concen: 0.011 ppbv
RT: 3.25 min Scan# 673
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion: 50 Resp: 767

Ion	Ratio	Lower	Upper
50	100		
52	0.8	28.1	42.1#



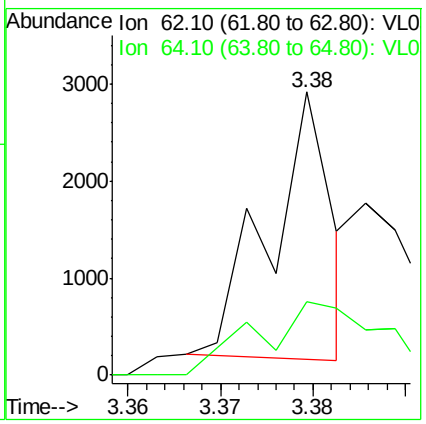


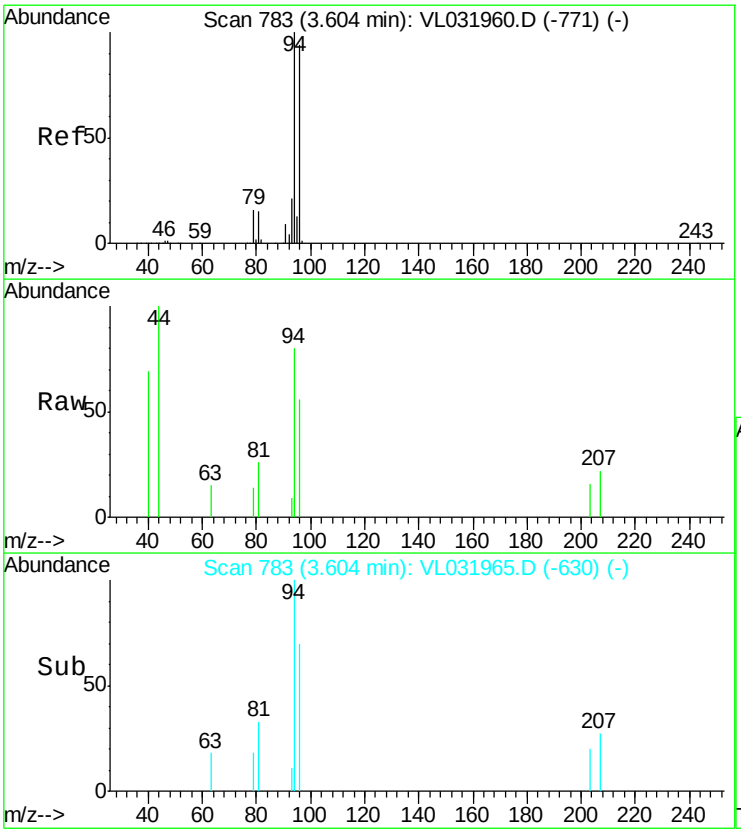
#5
Vinyl Chloride
Concen: 0.015 ppbv
RT: 3.38 min Scan# 713
Delta R.T. -0.00 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 1272

Ion	Ratio	Lower	Upper
62	100		
64	28.1	25.9	38.9

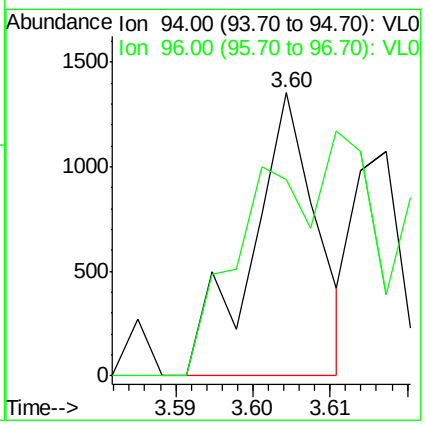


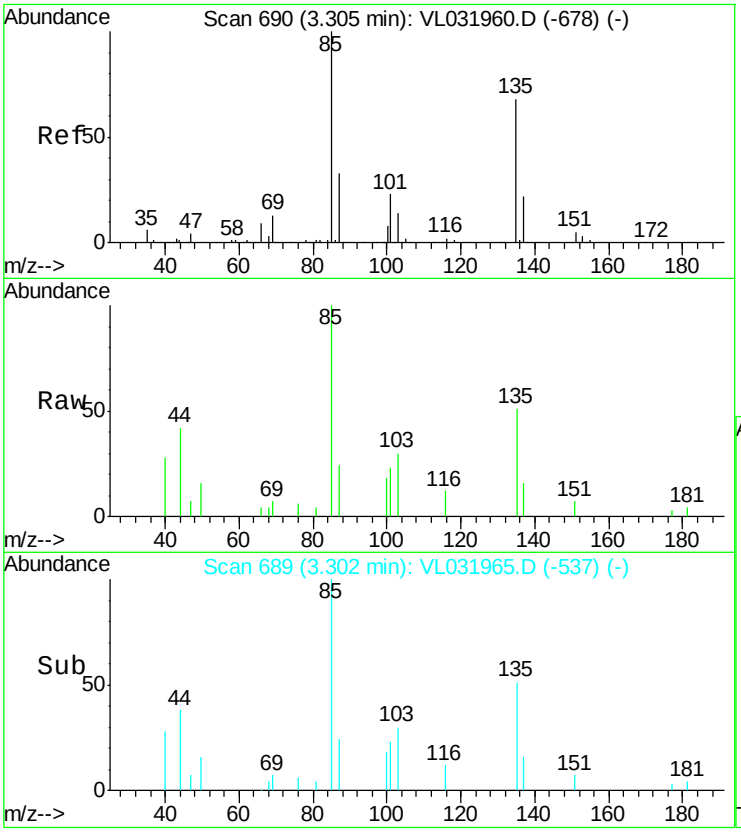


#6
Bromomethane
Concen: 0.015 ppbv
RT: 3.60 min Scan# 783
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion: 94 Resp: 790

Ion	Ratio	Lower	Upper
94	100		
96	69.6	73.8	110.6#



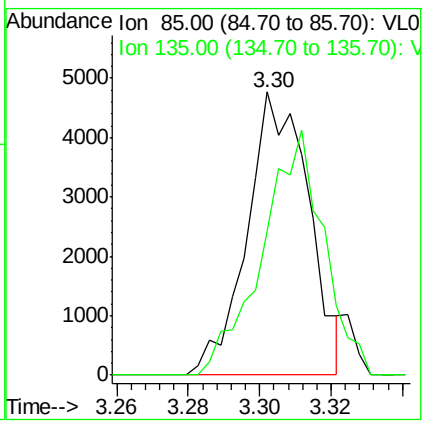


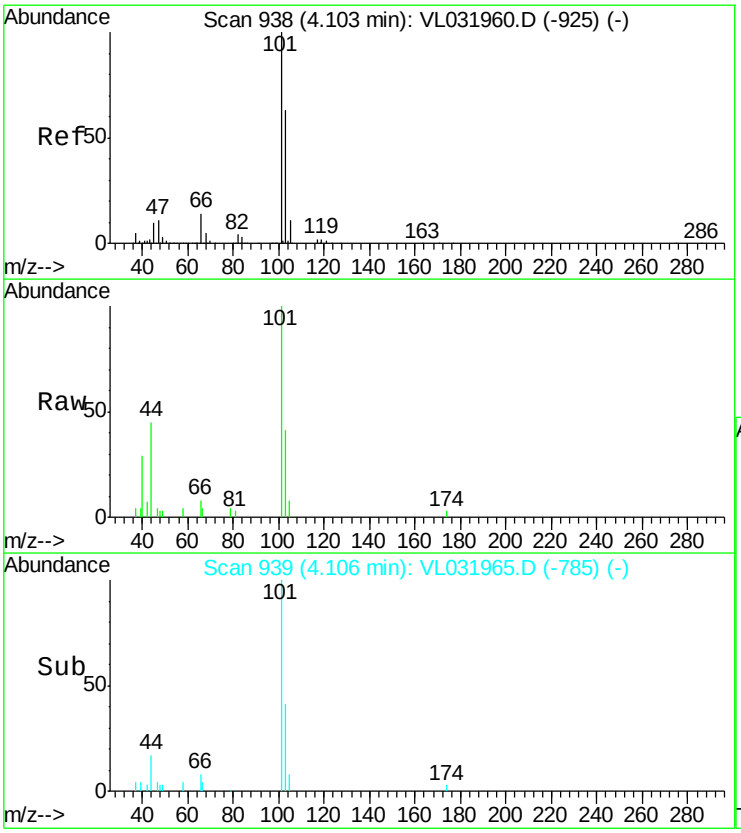
#8
Dichlorotetrafluoroethane
Concen: 0.027 ppbv
RT: 3.30 min Scan# 689
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 85 Resp: 5680

Ion	Ratio	Lower	Upper
85	100		
135	86.3	52.7	79.1#

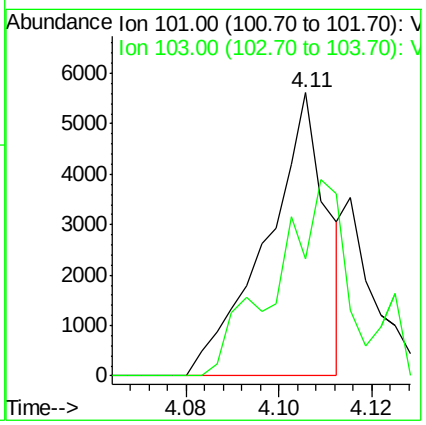


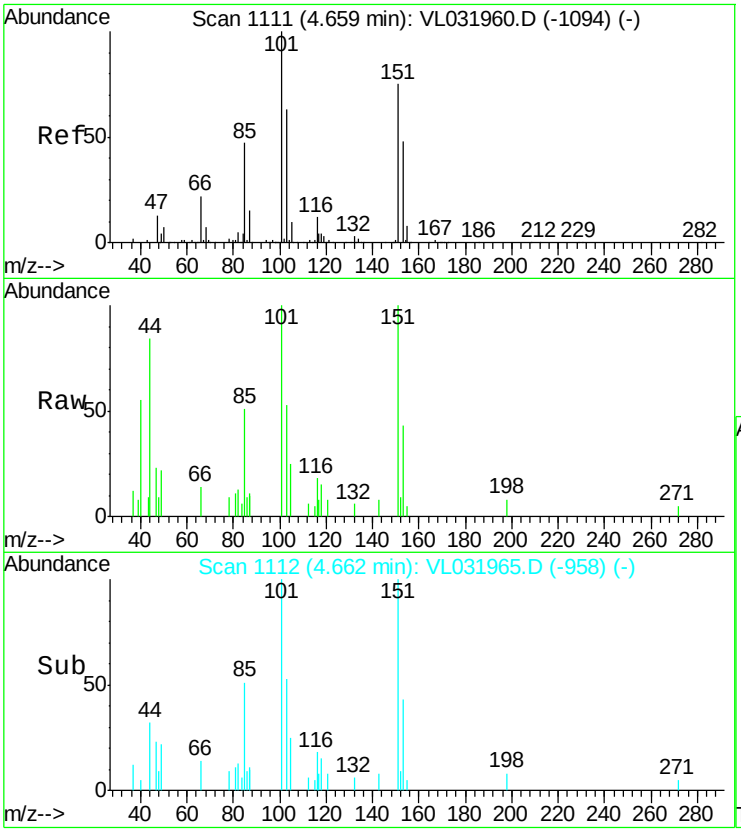


#11
Trichlorofluoromethane
Concen: 0.021 ppbv
RT: 4.11 min Scan# 939
Delta R.T. -0.00 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion:101 Resp: 5098

Ion	Ratio	Lower	Upper
101	100		
103	41.4	51.8	77.8#



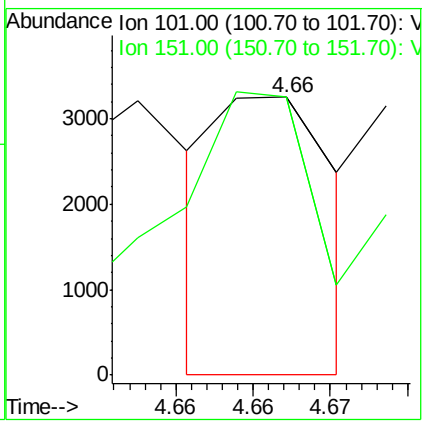


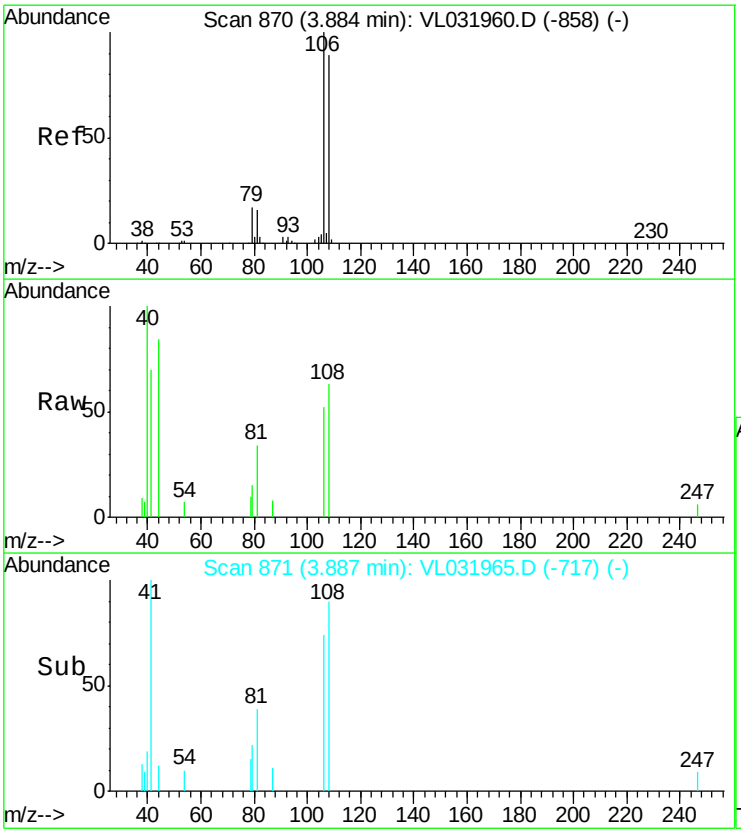
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.011 ppbv
RT: 4.66 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 1710

Ion	Ratio	Lower	Upper
101	100		
151	251.2	57.0	85.6#

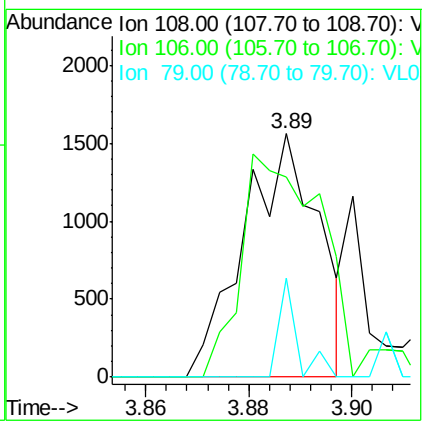


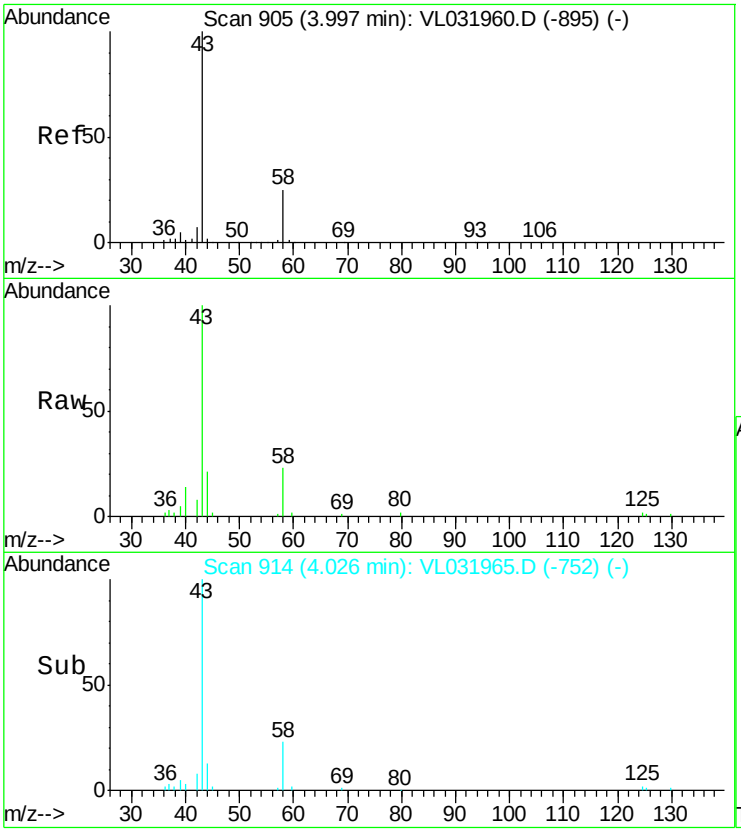


#14
Bromoethene
Concen: 0.026 ppbv
RT: 3.89 min Scan# 871
Delta R.T. -0.00 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion:108 Resp: 1559

Ion	Ratio	Lower	Upper
108	100		
106	103.0	86.6	130.0
79	13.5	15.5	23.3#



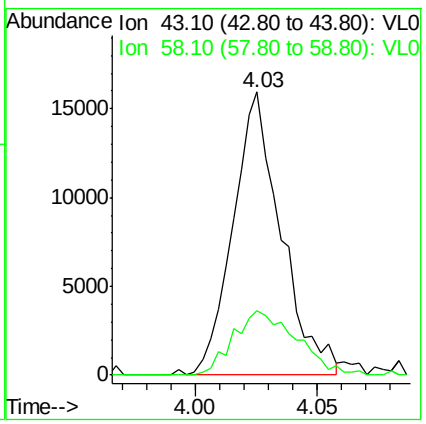


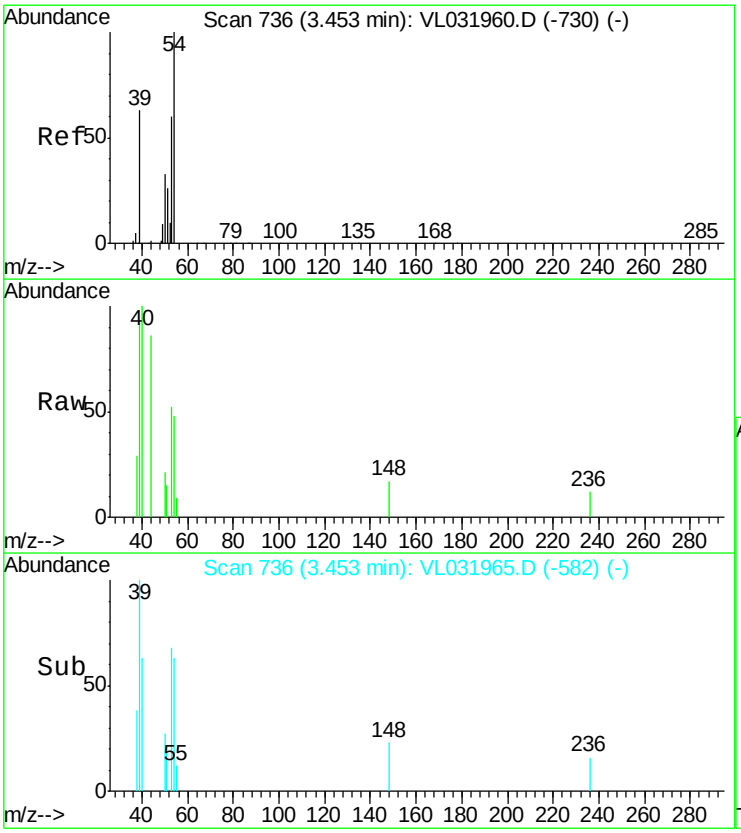
#15
Acetone
Concen: 0.115 ppbv
RT: 4.03 min Scan# 914
Delta R.T. 0.02 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 21792

Ion	Ratio	Lower	Upper
43	100		
58	30.1	20.9	31.3

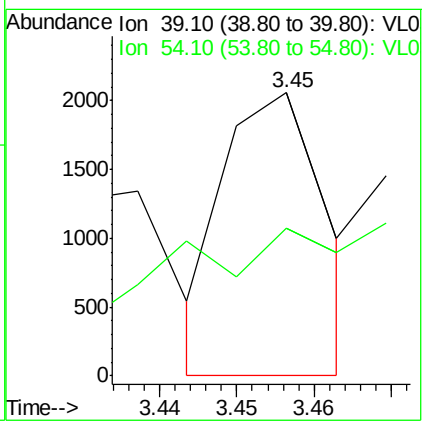


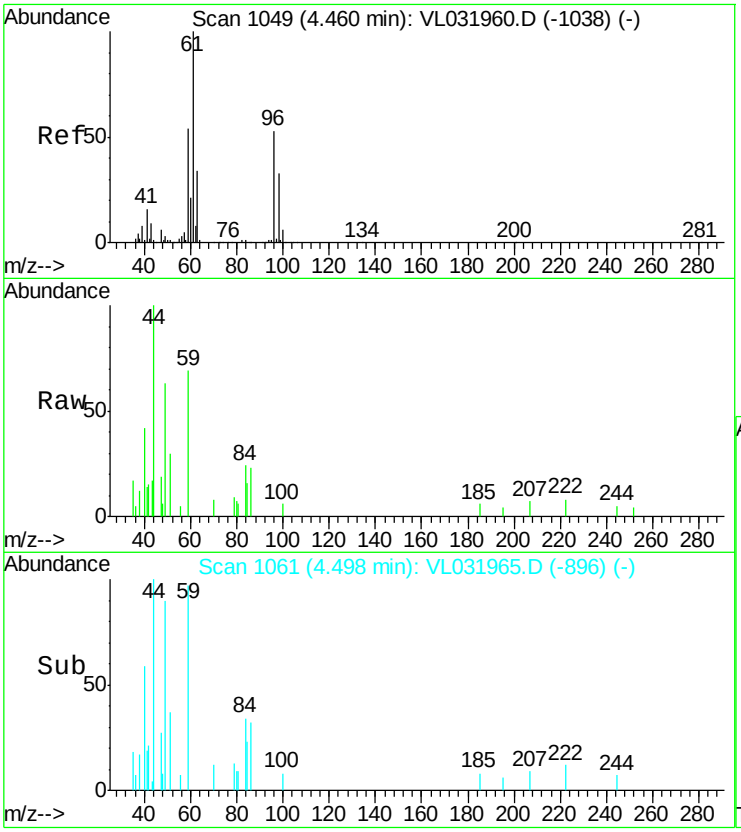


#16
1,3-Butadiene
Concen: 0.013 ppbv
RT: 3.45 min Scan# 736
Delta R.T. -0.00 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion: 39 Resp: 940

Ion	Ratio	Lower	Upper
39	100		
54	0.0	63.3	94.9#



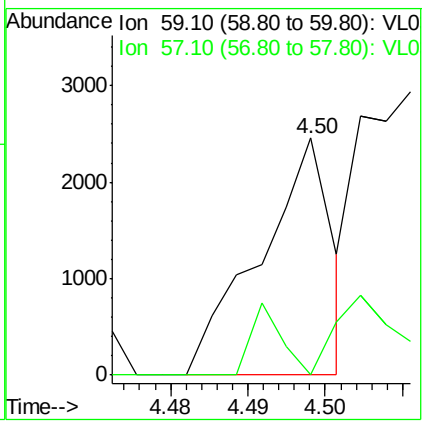


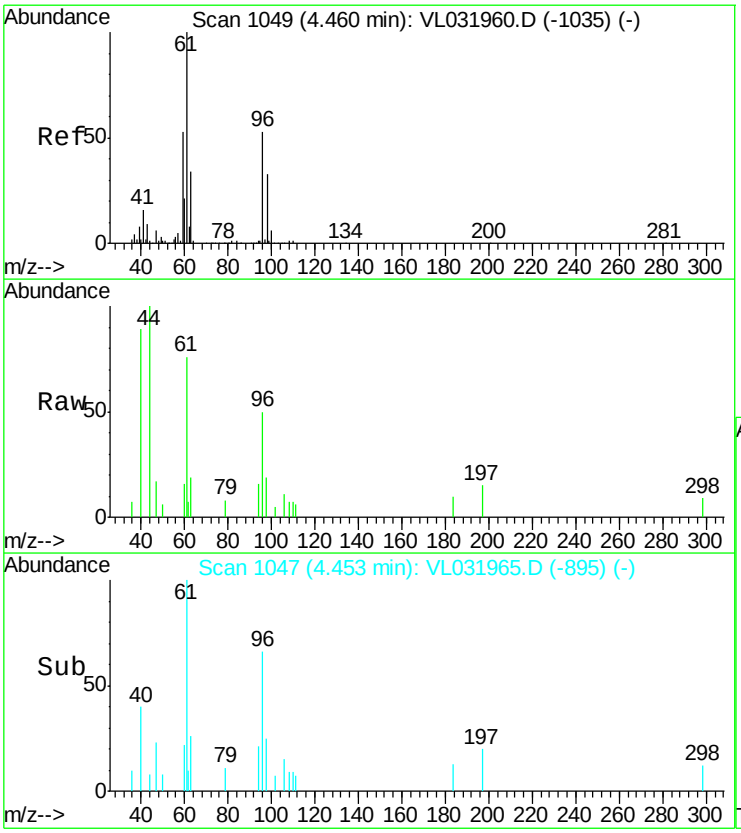
#17
tert-Butyl alcohol
Concen: 0.020 ppbv
RT: 4.50 min Scan# 1061
Delta R.T. 0.03 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 1592

Ion	Ratio	Lower	Upper
59	100		
57	2.3	8.5	12.7#

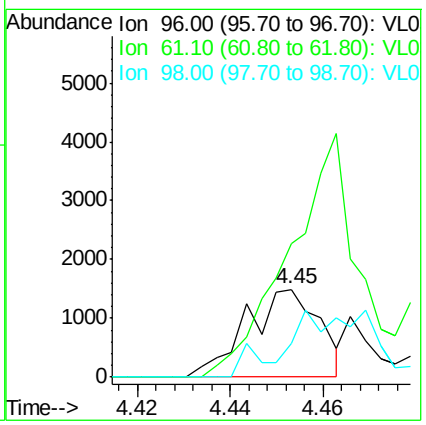


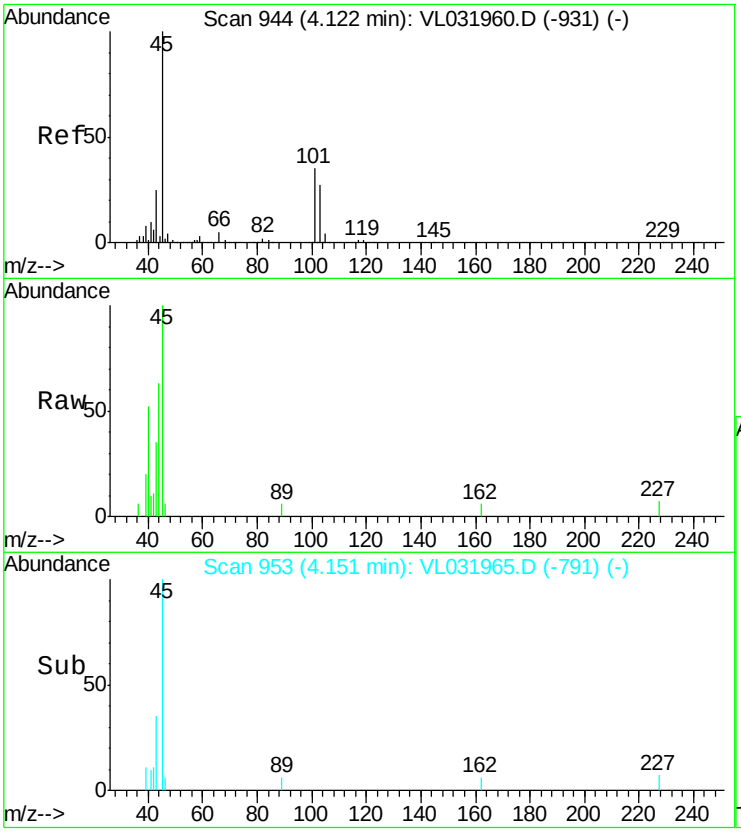


#18
1,1-Dichloroethene
Concen: 0.024 ppbv
RT: 4.45 min Scan# 1047
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion: 96 Resp: 1633

Ion	Ratio	Lower	Upper
96	100		
61	166.4	161.0	241.6
98	38.6	52.7	79.1#



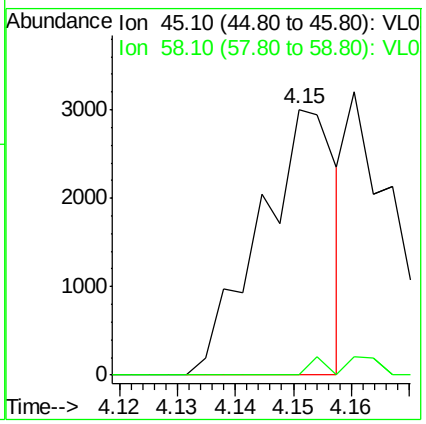


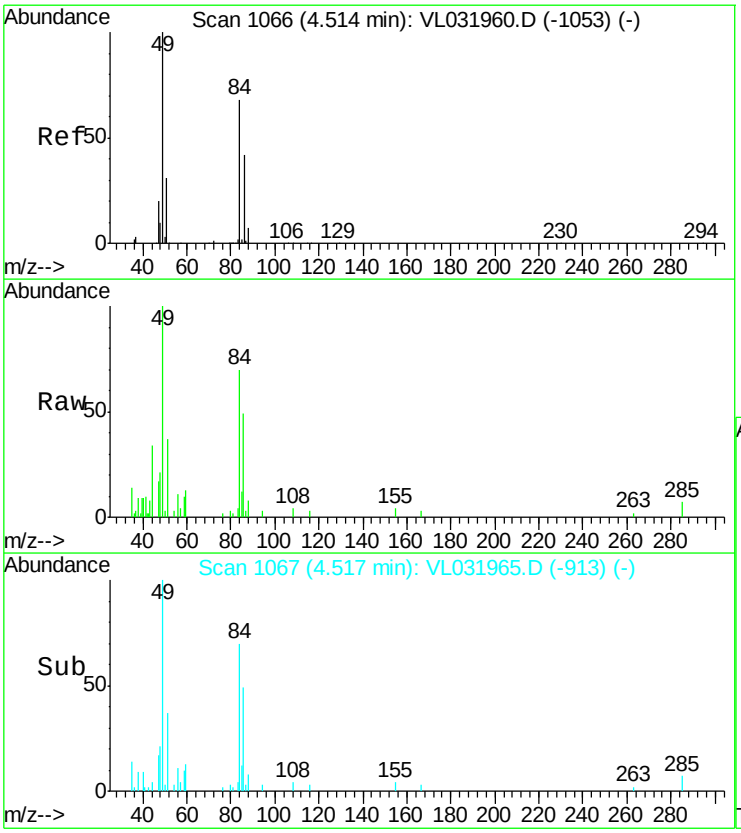
#19
Isopropyl Alcohol
Concen: 0.026 ppbv
RT: 4.15 min Scan# 953
Delta R.T. 0.02 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 2731

Ion	Ratio	Lower	Upper
45	100		
58	8.4	1.7	2.5#

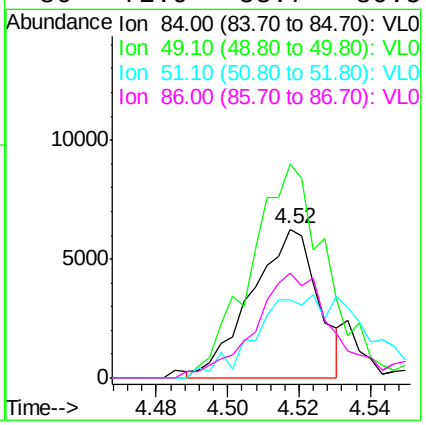


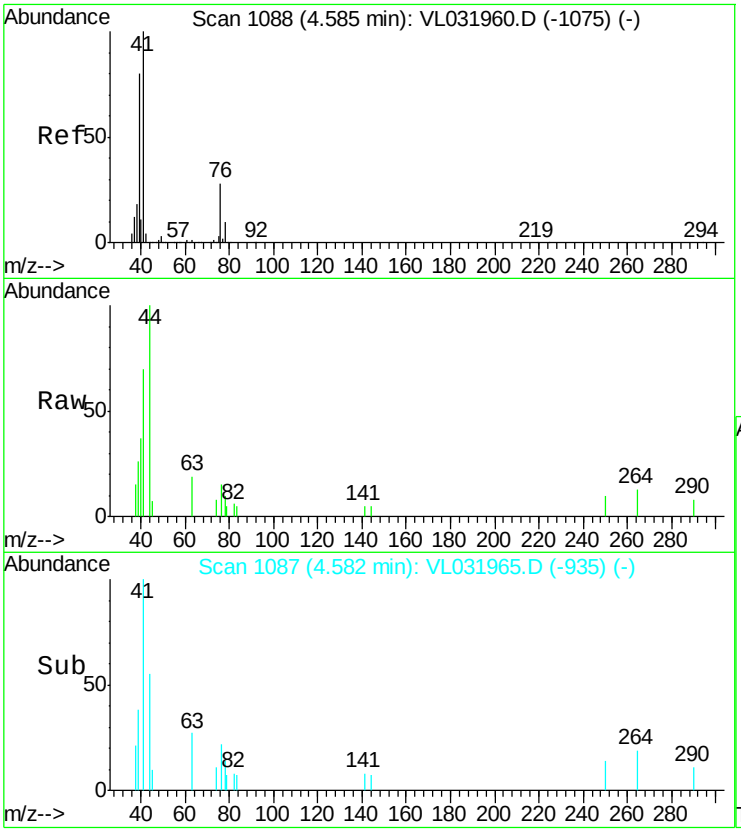


#20
Methylene Chloride
Concen: 0.116 ppbv
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion: 84 Resp: 8029

Ion	Ratio	Lower	Upper
84	100		
49	149.1	125.6	188.4
51	54.8	36.4	54.6#
86	72.9	53.7	80.5



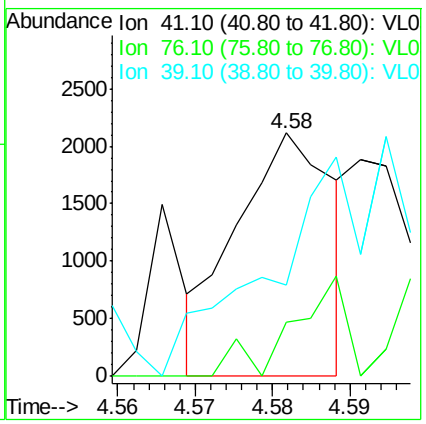


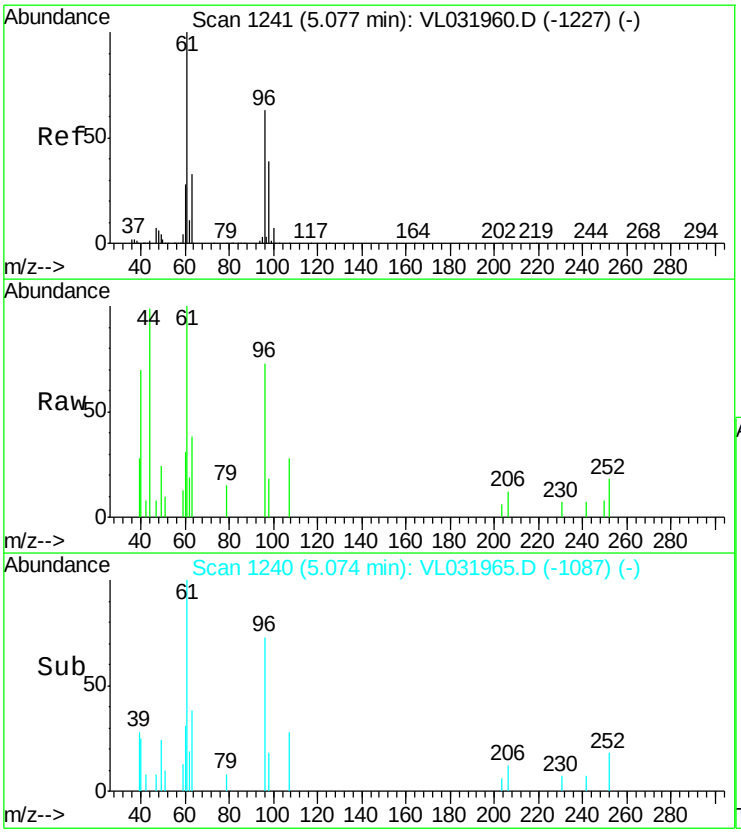
#21
Allvl Chloride
Concen: 0.017 ppbv
RT: 4.58 min Scan# 1087
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 1841

Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.4	35.2#
39	0.0	67.6	101.4#

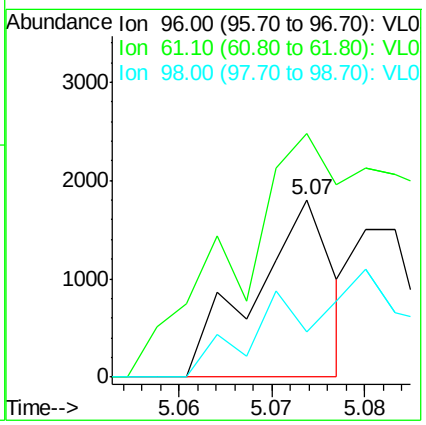


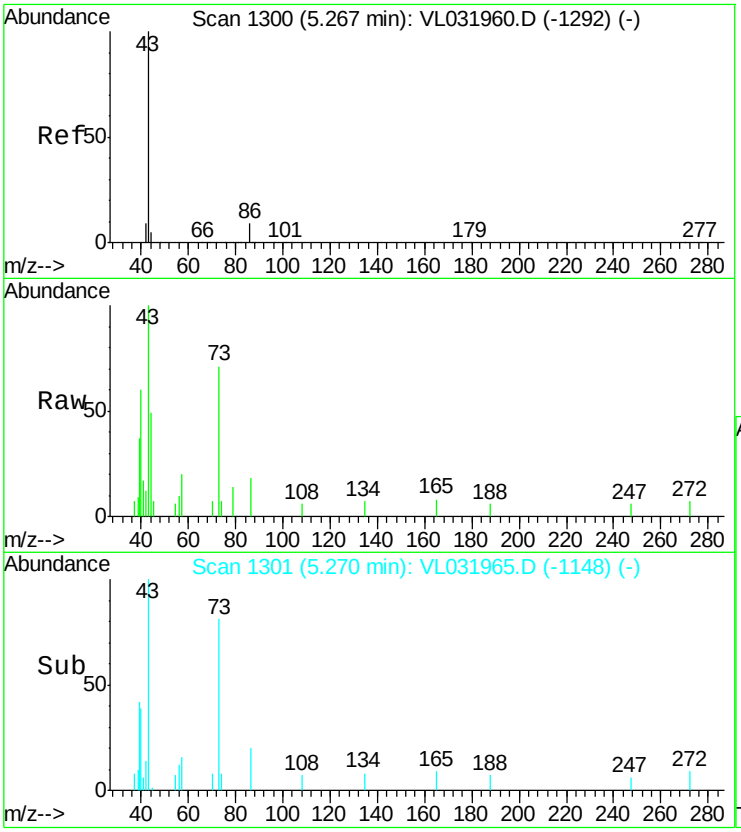


#22
trans-1,2-Dichloroethene
Concen: 0.015 ppbv
RT: 5.07 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion: 96 Resp: 1051

Ion	Ratio	Lower	Upper
96	100		
61	96.0	131.1	196.7#
98	25.3	47.6	71.4#



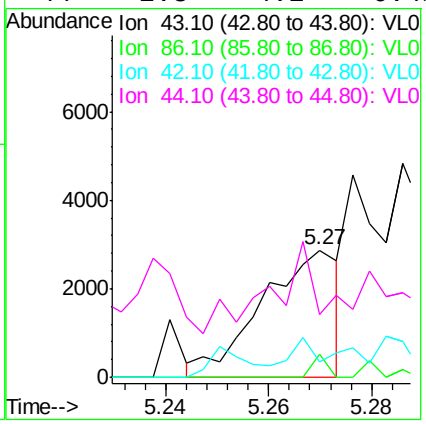


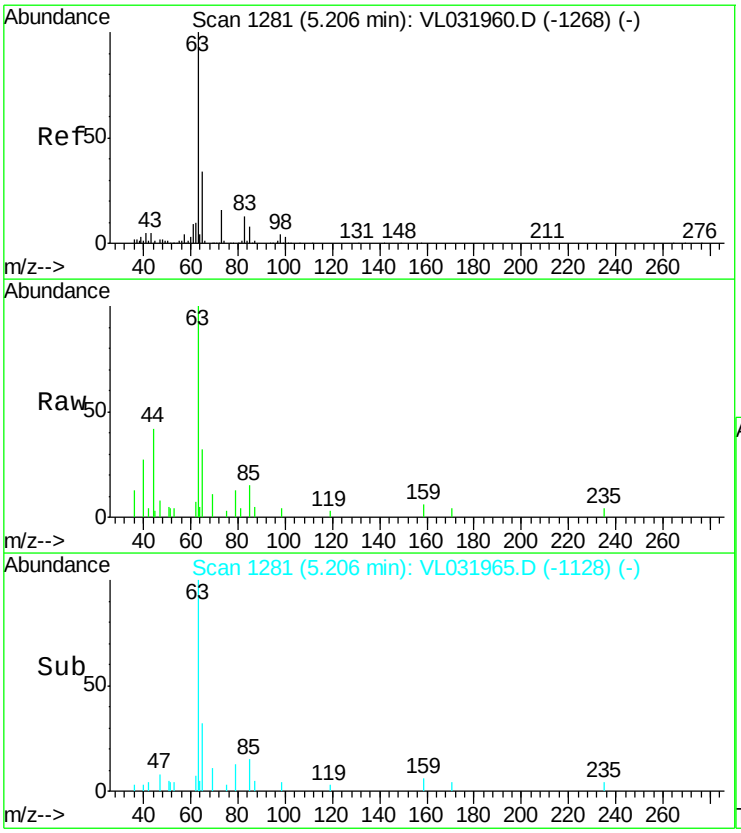
#23
Vinyl Acetate
Concen: 0.015 ppbv
RT: 5.27 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2951

Ion	Ratio	Lower	Upper
43	100		
86	20.0	5.8	8.8#
42	14.1	8.5	12.7#
44	2.8	4.2	6.4#

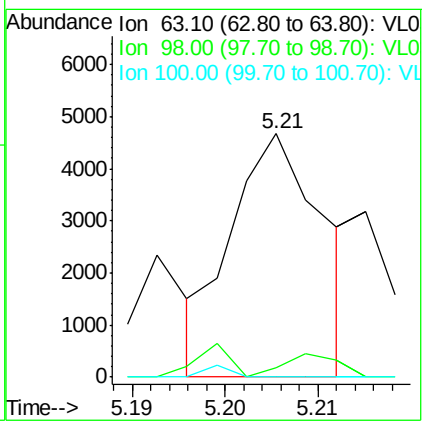


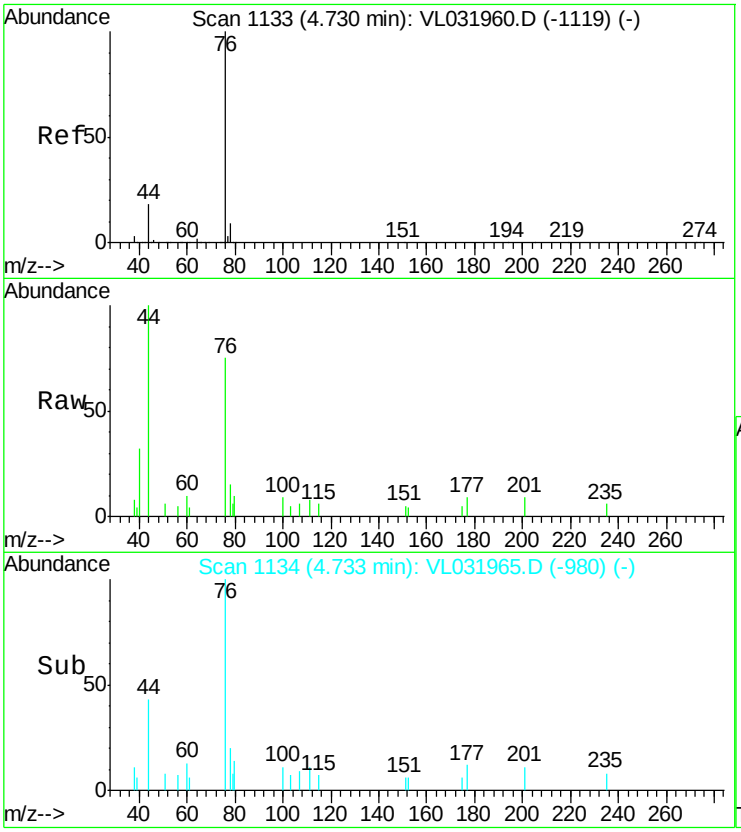


#24
1,1-Dichloroethane
Concen: 0.017 ppbv
RT: 5.21 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion: 63 Resp: 3202

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.4	7.2#
100	0.0	1.5	4.4#



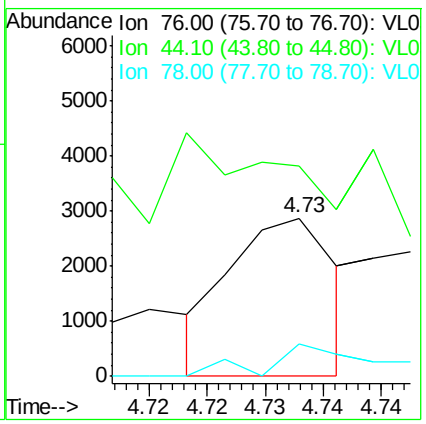


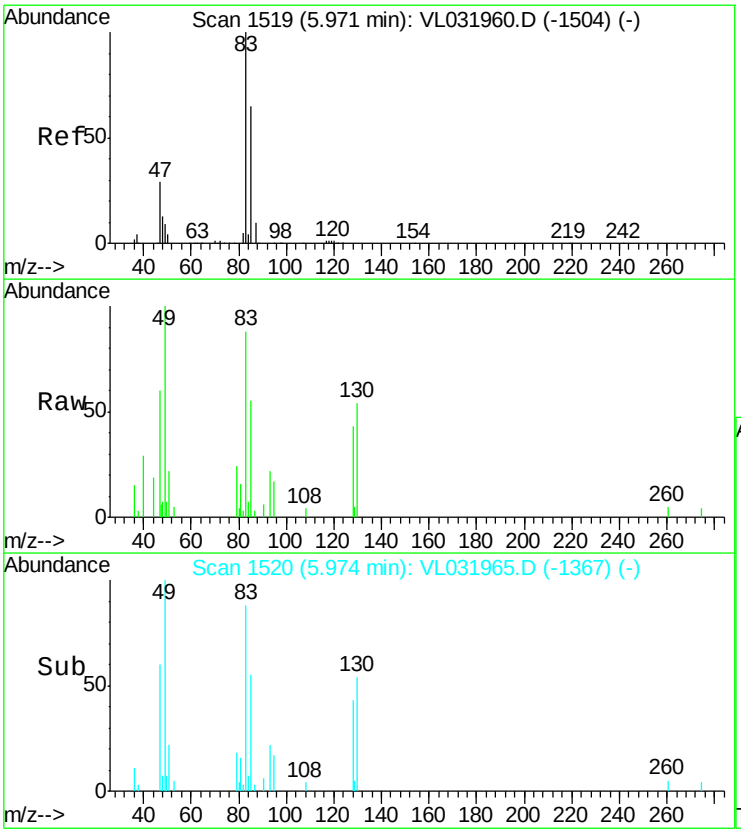
#27
Carbon Disulfide
Concen: 0.010 ppbv
RT: 4.73 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1808

Ion	Ratio	Lower	Upper
76	100		
44	0.0	15.6	23.4#
78	0.0	7.6	11.4#

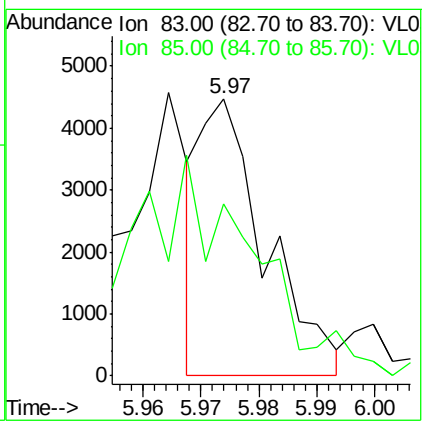


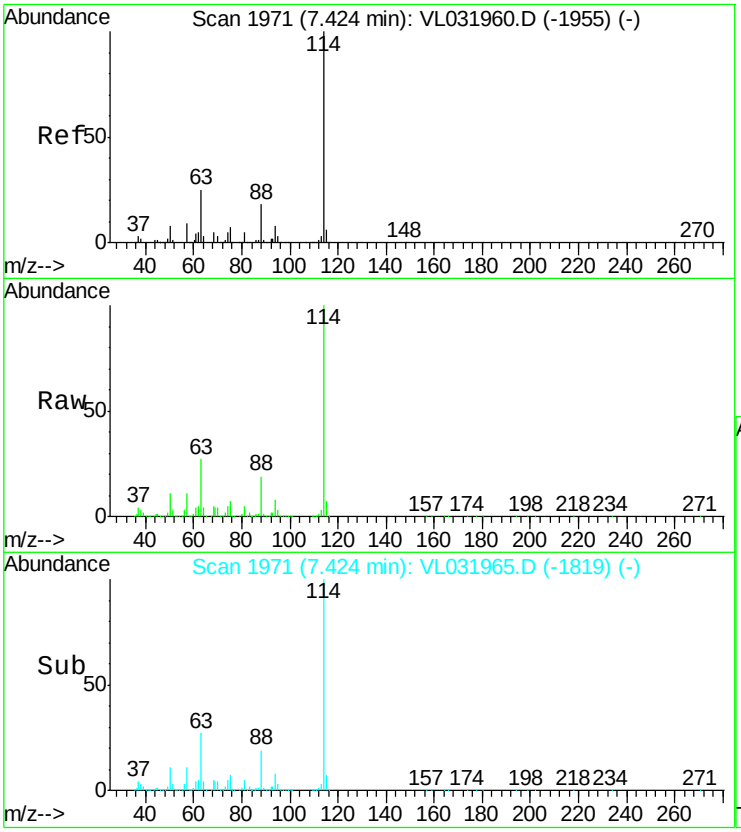


#29
Chloroform
Concen: 0.015 ppbv
RT: 5.97 min Scan# 1520
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion: 83 Resp: 3487

Ion	Ratio	Lower	Upper
83	100		
85	50.5	51.4	77.0#



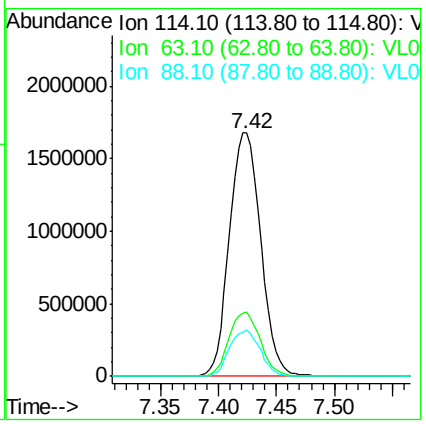


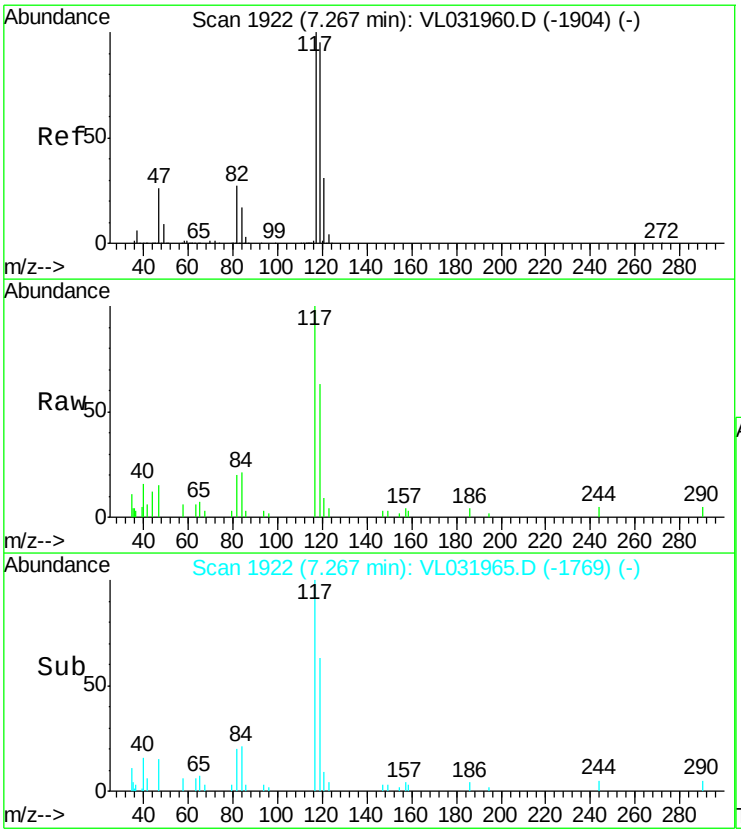
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.42 min Scan# 1971
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 3154532

Ion	Ratio	Lower	Upper
114	100		
63	26.4	21.8	32.6
88	18.7	14.6	22.0

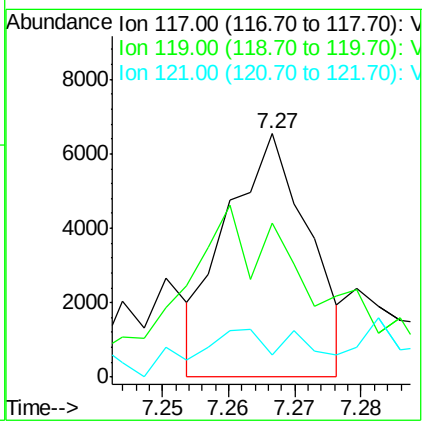


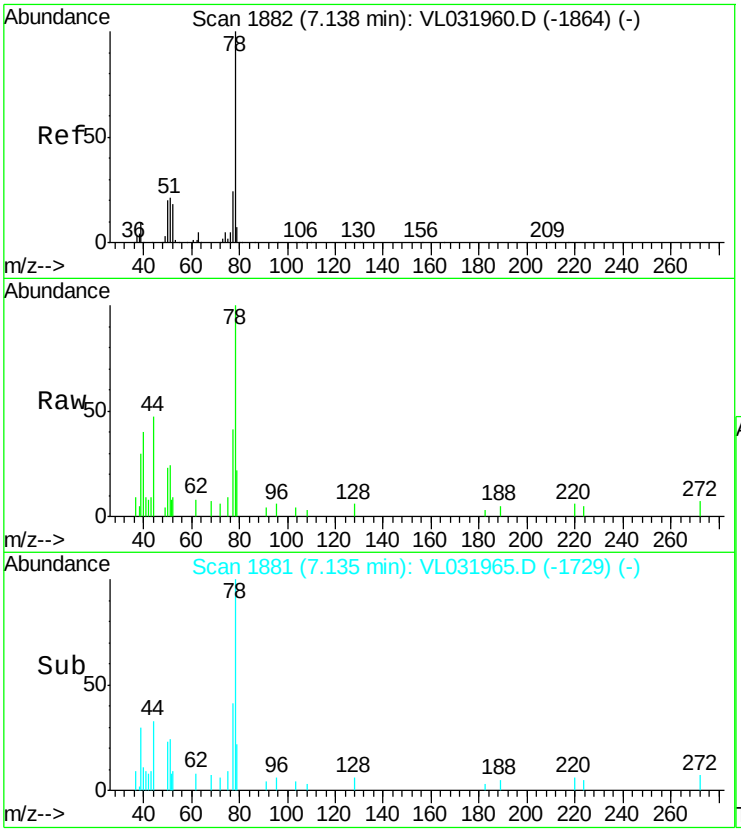


#35
Carbon Tetrachloride
Concen: 0.021 ppbv
RT: 7.27 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion:117 Resp: 5658

Ion	Ratio	Lower	Upper
117	100		
119	42.9	76.9	115.3#
121	3.2	24.5	36.7#



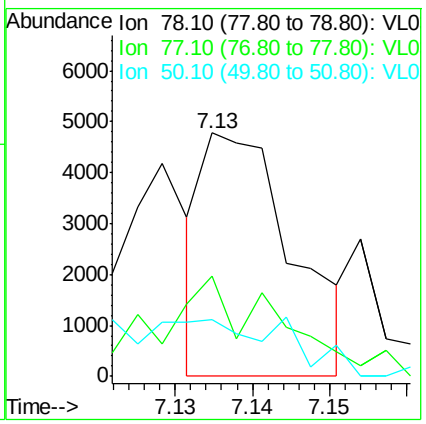


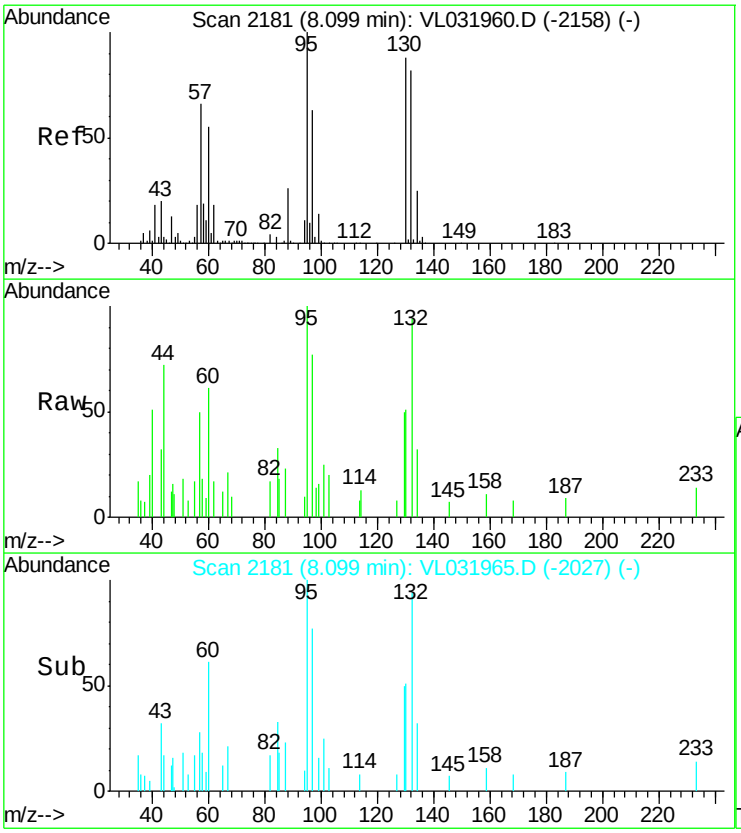
#36
Benzene
Concen: 0.014 ppbv
RT: 7.13 min Scan# 1881
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 3854

Ion	Ratio	Lower	Upper
78	100		
77	53.7	19.2	28.8#
50	17.7	16.7	25.1

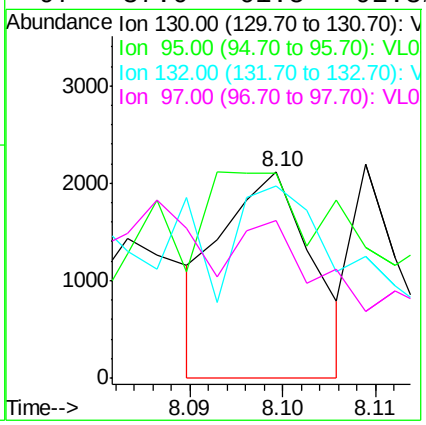


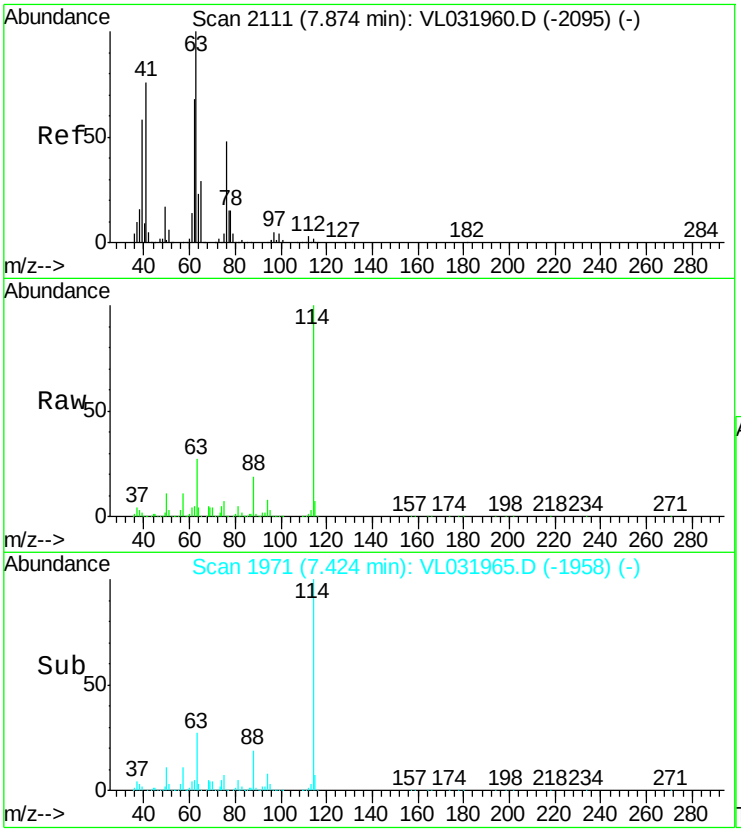


#38
Trichloroethene
Concen: 0.013 ppbv
RT: 8.10 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion:130 Resp: 1442

Ion	Ratio	Lower	Upper
130	100		
95	75.2	96.6	144.8#
132	66.5	79.1	118.7#
97	37.0	61.5	92.3#



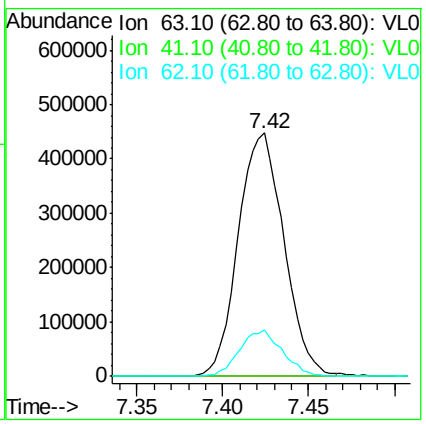


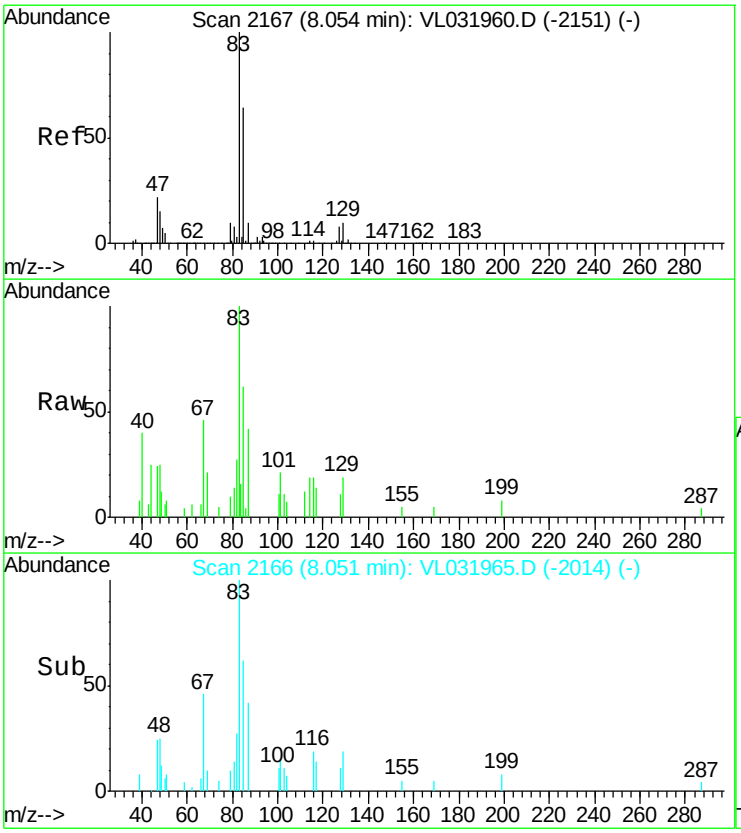
#39
1,2-Dichloropropane
Concen: 7.818 ppbv
RT: 7.42 min Scan# 1971
Delta R.T. -0.46 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 824648

Ion	Ratio	Lower	Upper
63	100		
41	0.1	65.8	98.6#
62	19.0	55.0	82.6#

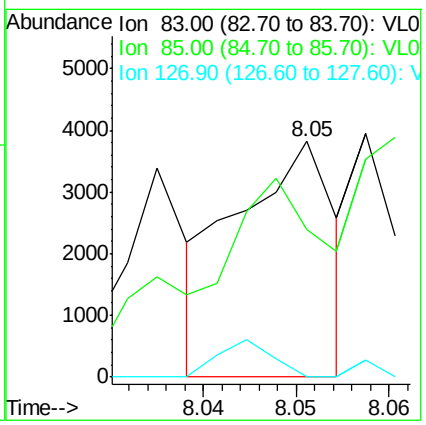


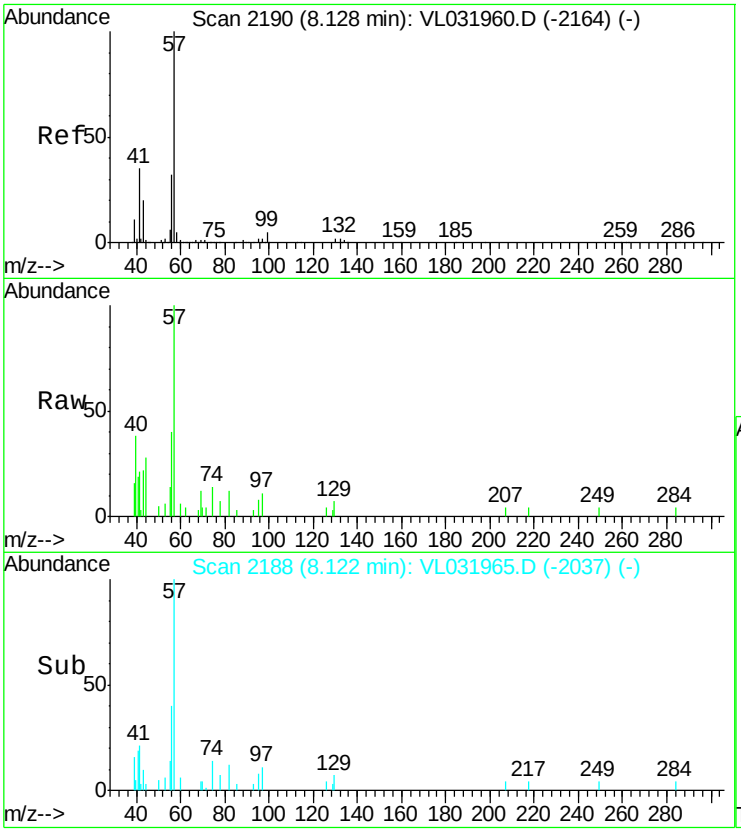


#42
Bromodichloromethane
Concen: 0.011 ppbv
RT: 8.05 min Scan# 2166
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion: 83 Resp: 2825

Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.5	75.7
127	0.0	6.0	9.0#



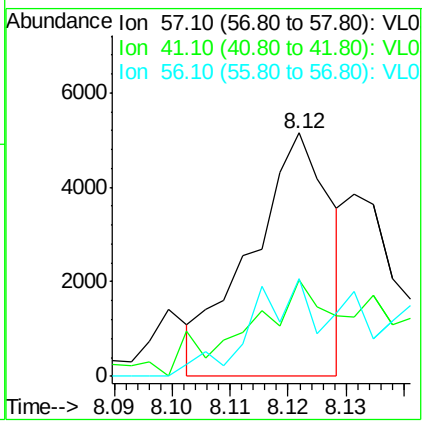


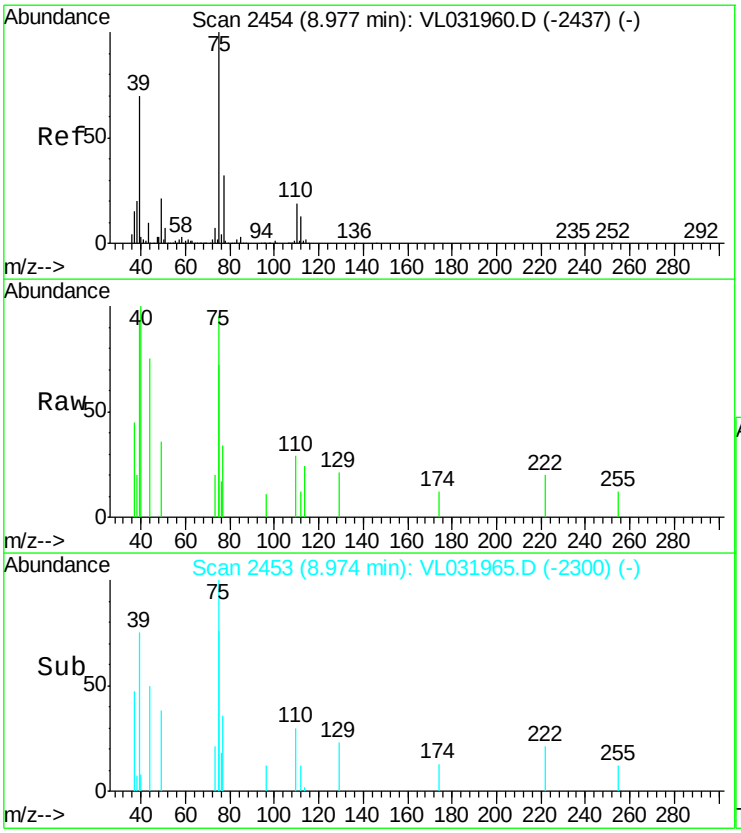
#44
2,2,4-Trimethylpentane
Concen: 0.010 ppbv
RT: 8.12 min Scan# 2188
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 4920

Ion	Ratio	Lower	Upper
57	100		
41	93.5	27.0	40.6#
56	69.4	24.1	36.1#

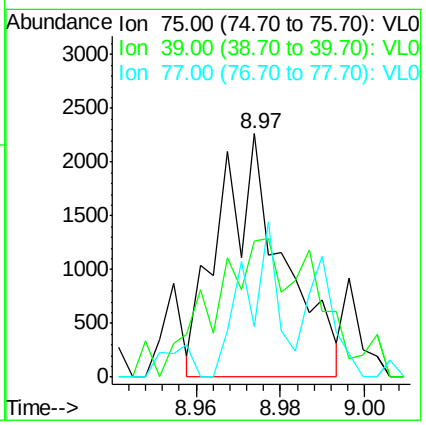


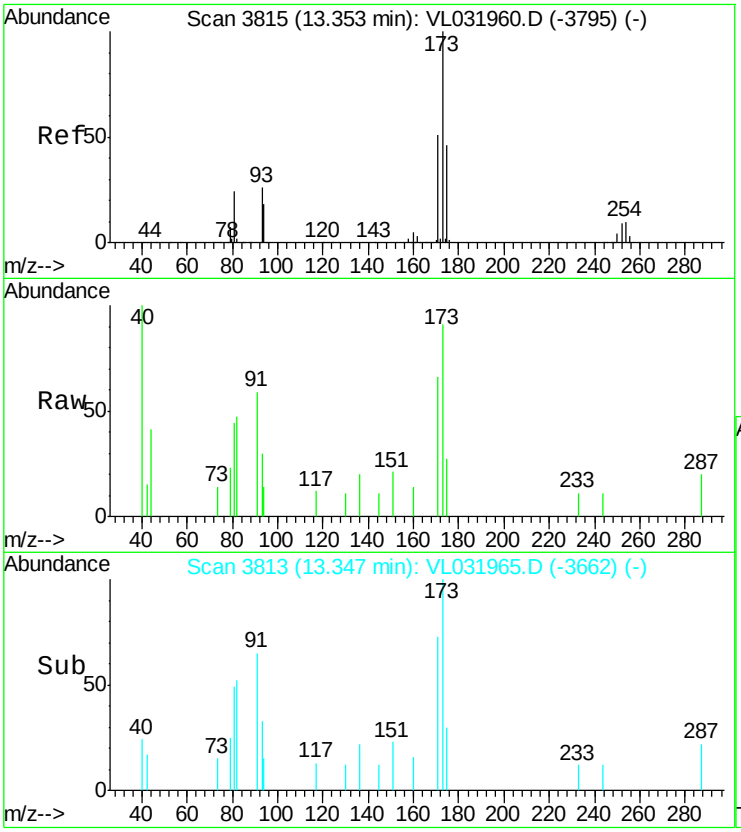


#46
cis-1,3-Dichloropropene
Concen: 0.014 ppbv
RT: 8.97 min Scan# 2453
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion: 75 Resp: 2373

Ion	Ratio	Lower	Upper
75	100		
39	42.0	58.6	87.8#
77	7.8	26.8	40.2#



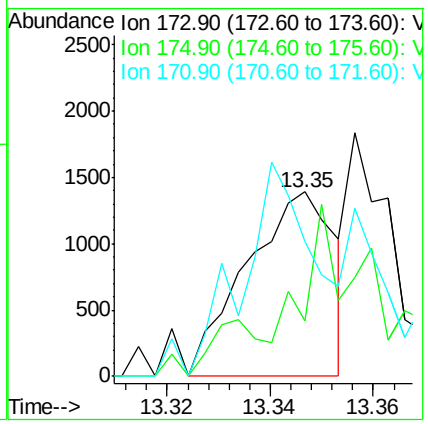


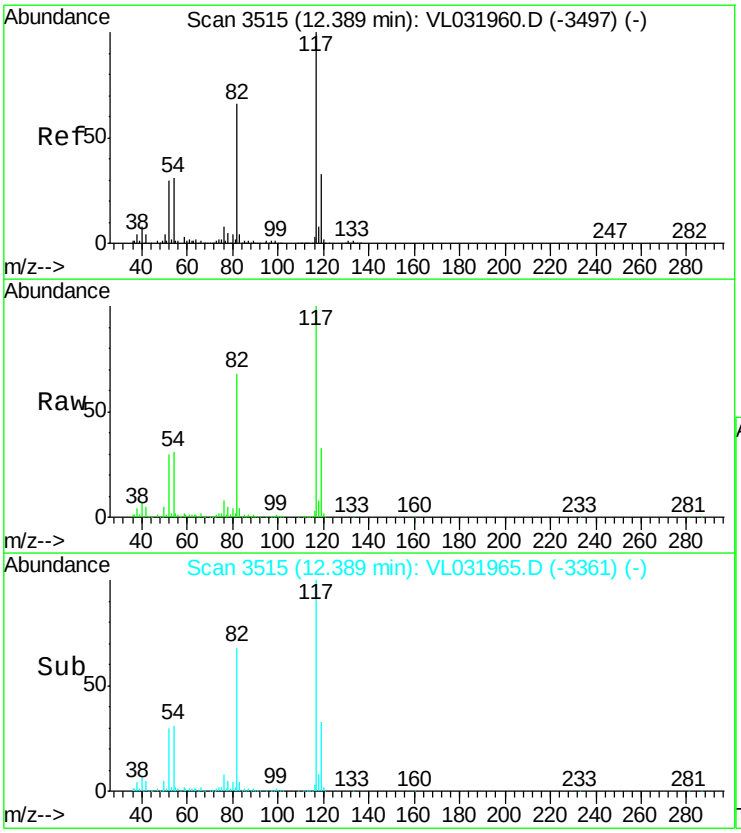
#49
Bromoform
Concen: 0.010 ppbv
RT: 13.35 min Scan# 3813
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 1632

Ion	Ratio	Lower	Upper
173	100		
175	89.5	39.0	58.6#
171	152.5	41.4	62.0#

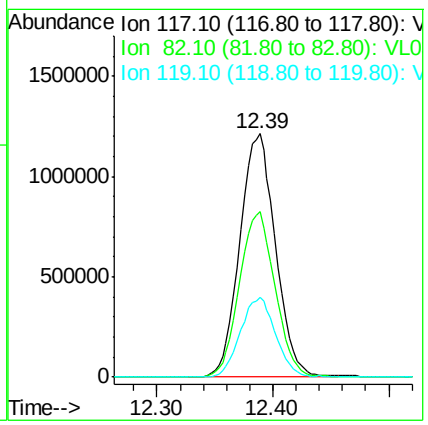


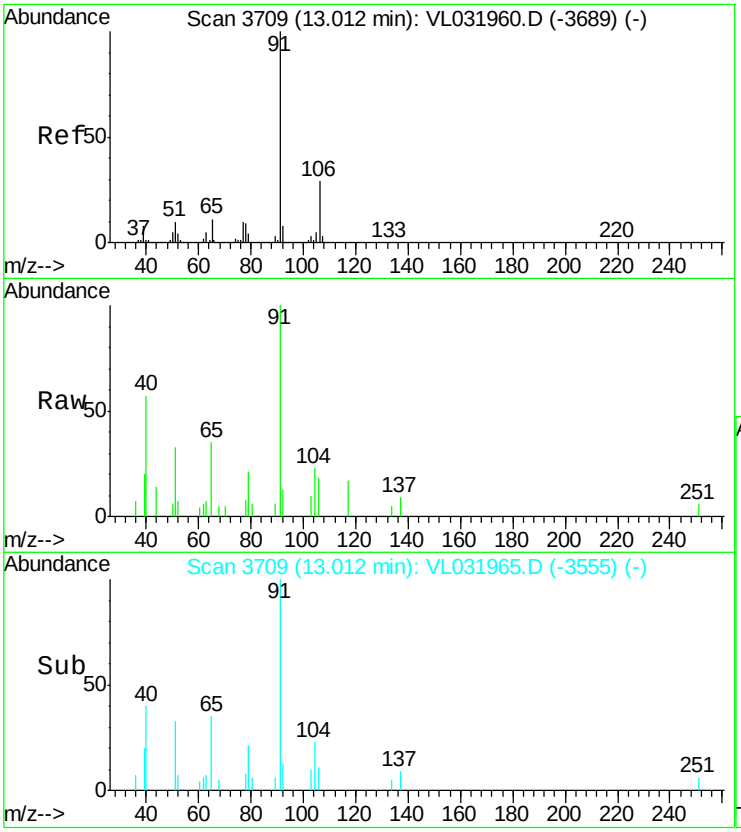


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.39 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion:117 Resp: 2599299

Ion	Ratio	Lower	Upper
117	100		
82	68.3	54.6	81.8
119	32.7	26.0	39.0



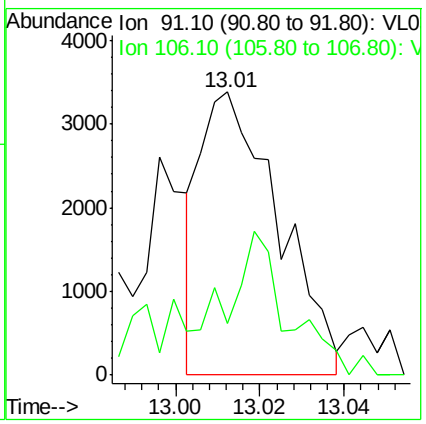


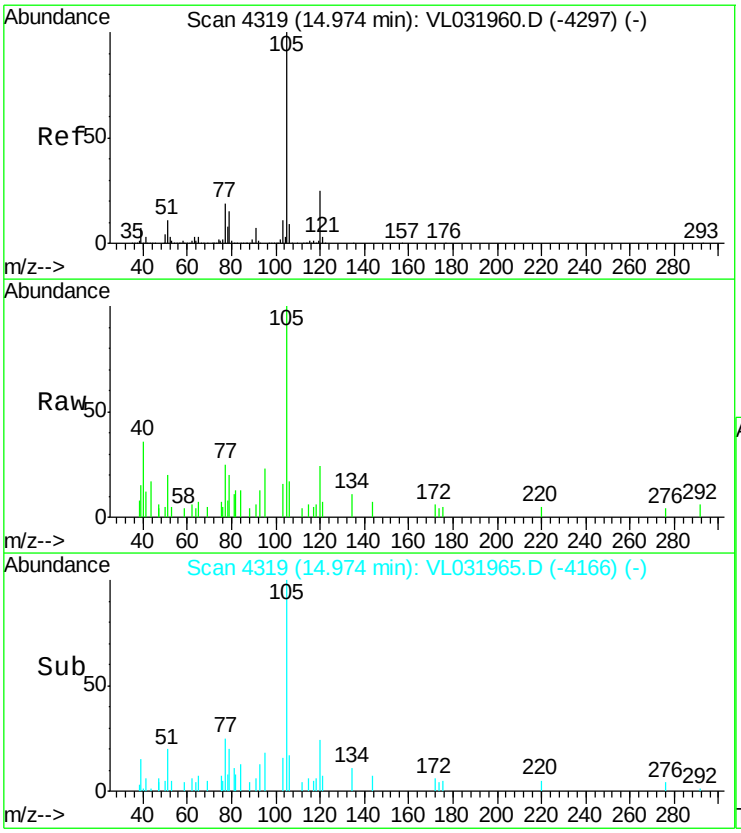
#58
Ethyl Benzene
Concen: 0.012 ppbv
RT: 13.01 min Scan# 3709
Delta R.T. -0.00 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 4357

Ion	Ratio	Lower	Upper
91	100		
106	10.5	23.8	35.6#

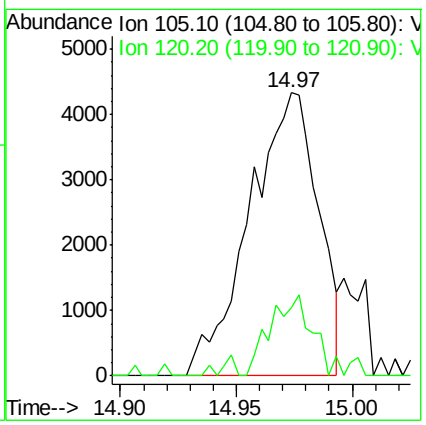


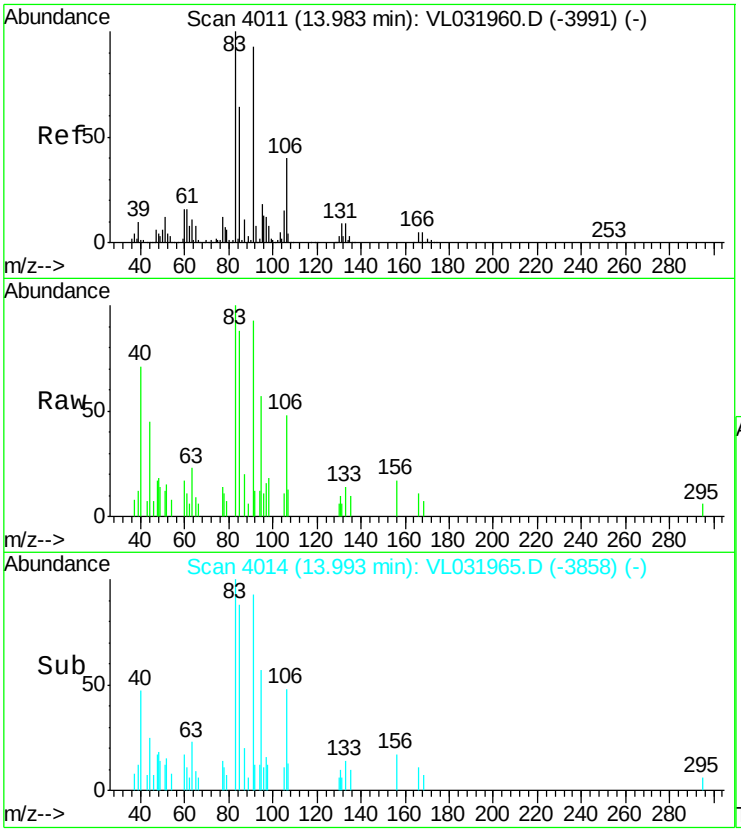


#62
Isopropylbenzene
Concen: 0.022 ppbv
RT: 14.97 min Scan# 4319
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion:105 Resp: 8941

Ion	Ratio	Lower	Upper
105	100		
120	20.8	19.4	29.2



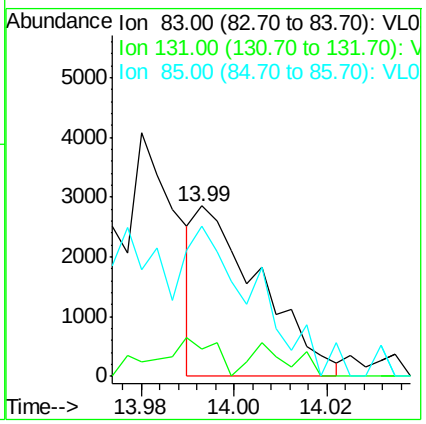


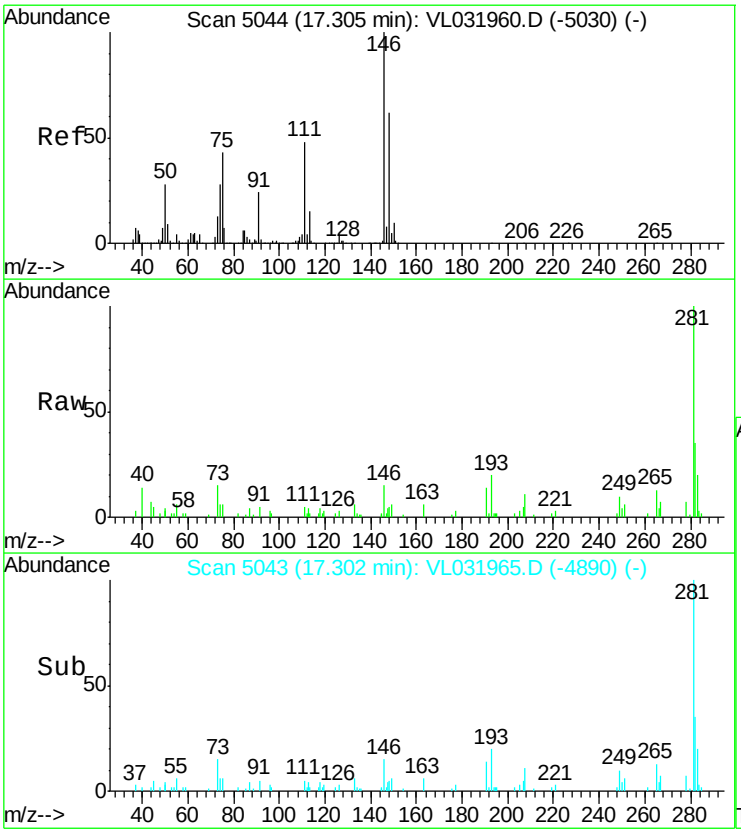
#63
1,1,2,2-Tetrachloroethane
Concen: 0.011 ppbv
RT: 13.99 min Scan# 4014
Delta R.T. 0.00 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 2731

Ion	Ratio	Lower	Upper
83	100		
131	36.9	4.9	14.6#
85	211.4	32.2	96.6#

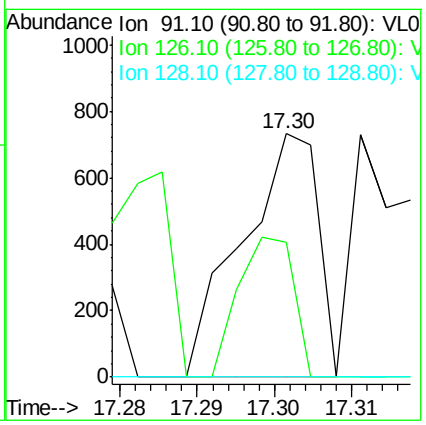


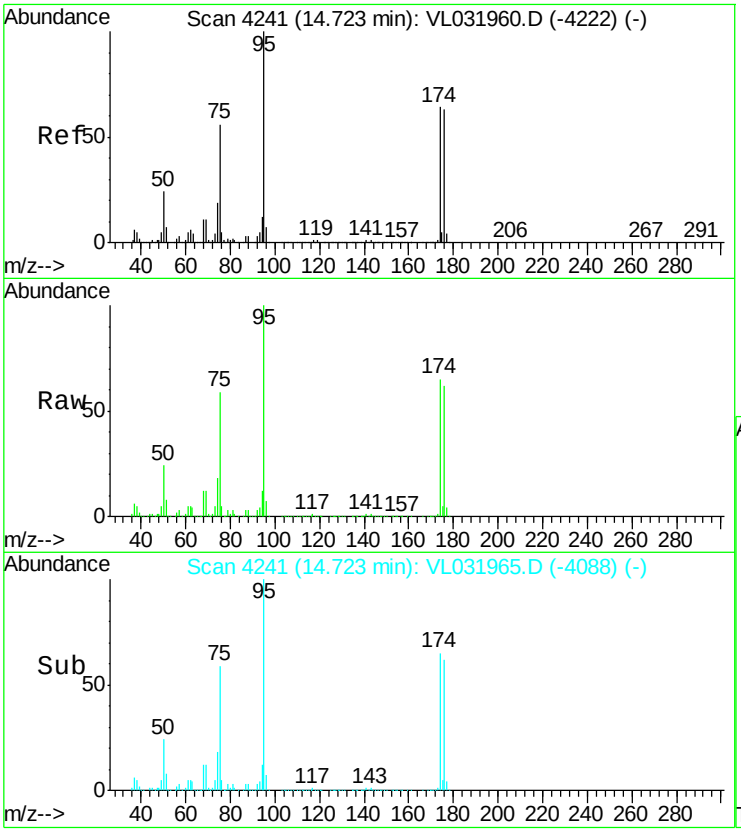


#66
Benzyl Chloride
Concen: 0.016 ppbv
RT: 17.30 min Scan# 5043
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion: 91 Resp: 501

Ion	Ratio	Lower	Upper
91	100		
126	0.0	12.6	19.0#
128	0.0	4.0	6.0#



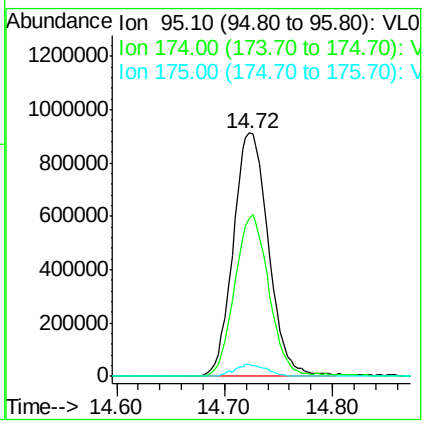


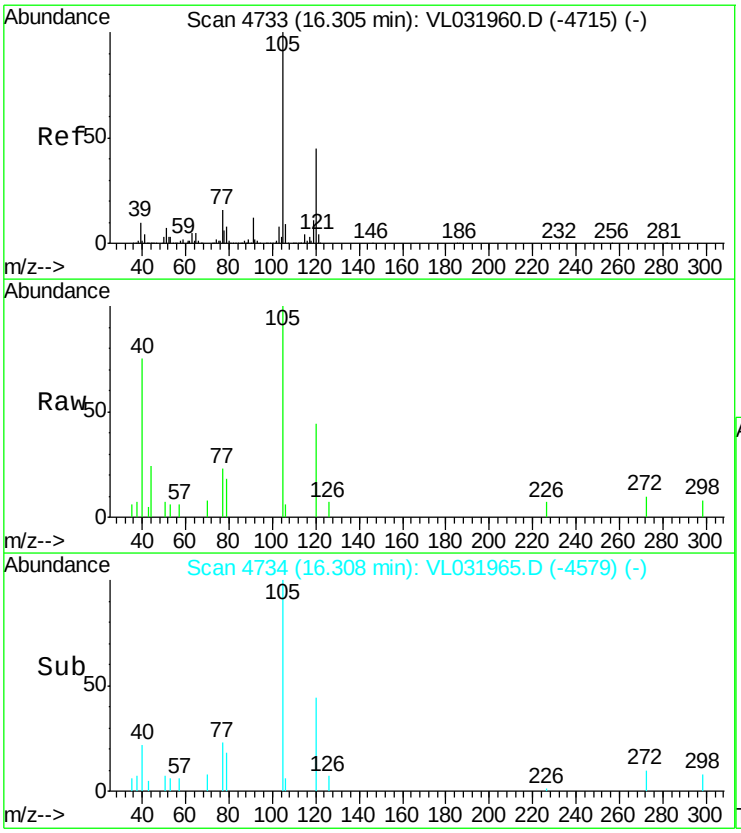
#68
1-Bromo-4-Fluorobenzene
Concen: 9.946 ppbv
RT: 14.72 min Scan# 4241
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2078840

Ion	Ratio	Lower	Upper
95	100		
174	65.7	52.3	78.5
175	4.7	3.9	5.9

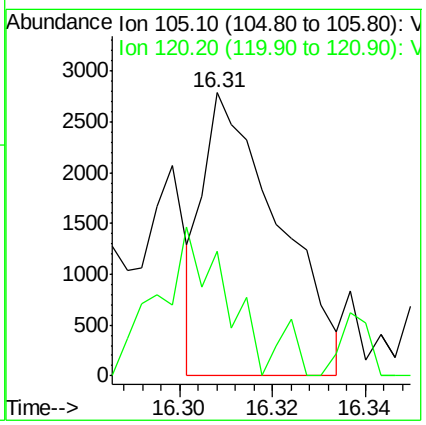


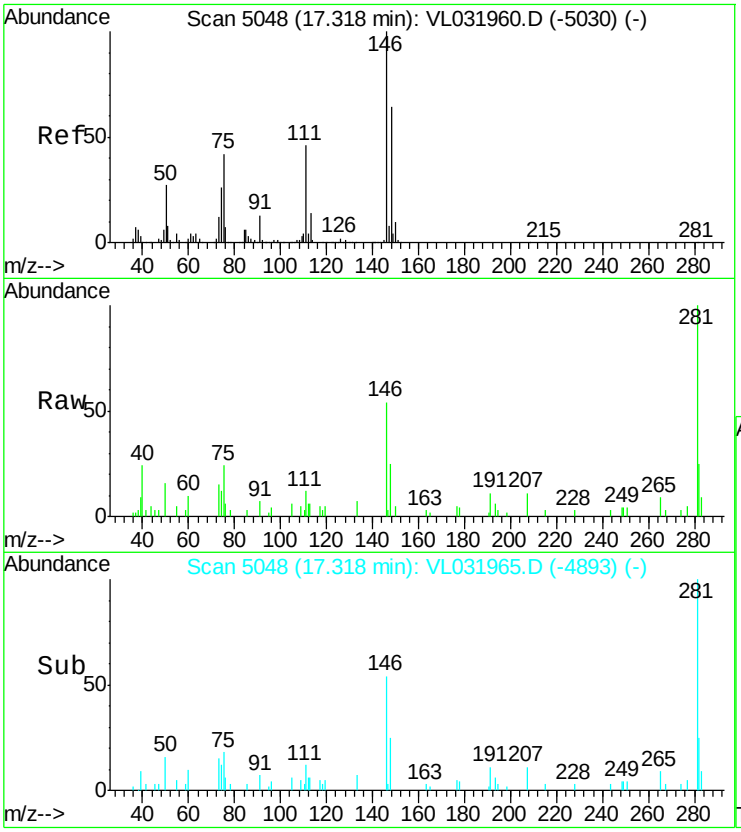


#73
1,3,5-Trimethylbenzene
Concen: 0.011 ppbv
RT: 16.31 min Scan# 4734
Delta R.T. -0.00 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion:105 Resp: 3164

Ion	Ratio	Lower	Upper
105	100		
120	42.9	35.3	52.9



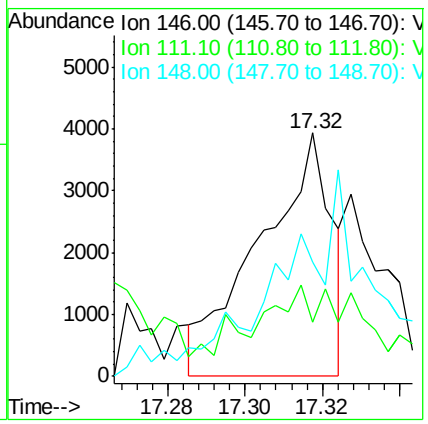


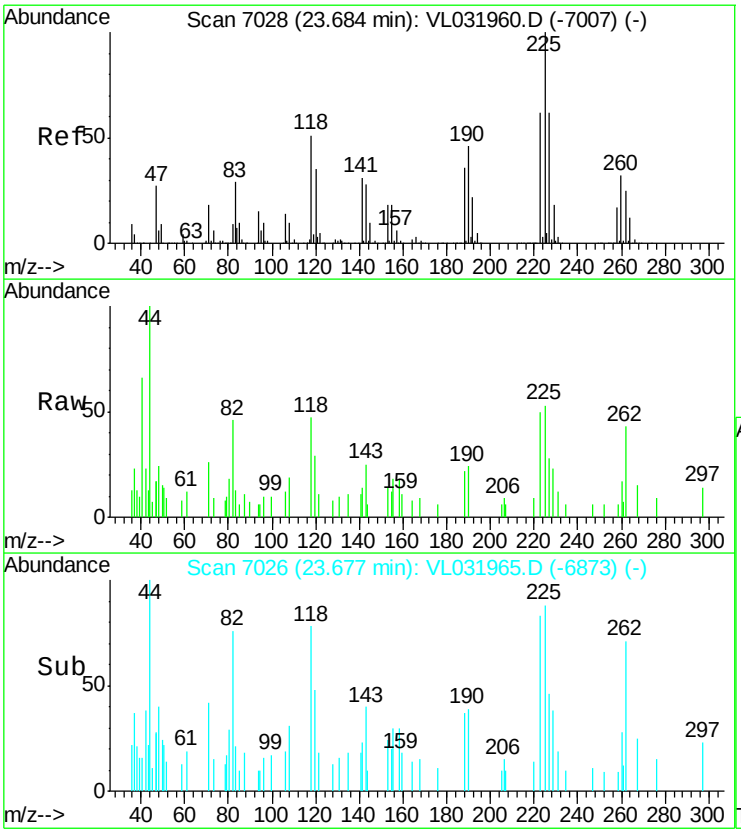
#75
1,3-Dichlorobenzene
Concen: 0.025 ppbv
RT: 17.32 min Scan# 5048
Delta R.T. -0.00 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 5068

Ion	Ratio	Lower	Upper
146	100		
111	68.2	23.8	71.4
148	0.0	32.0	96.2#

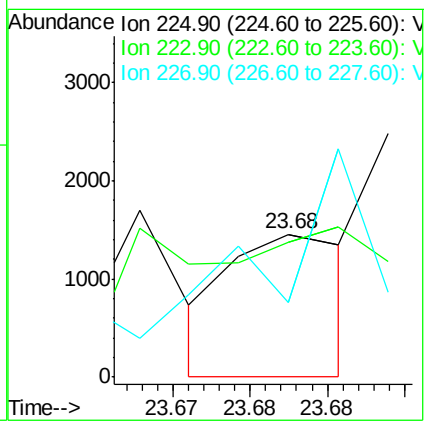


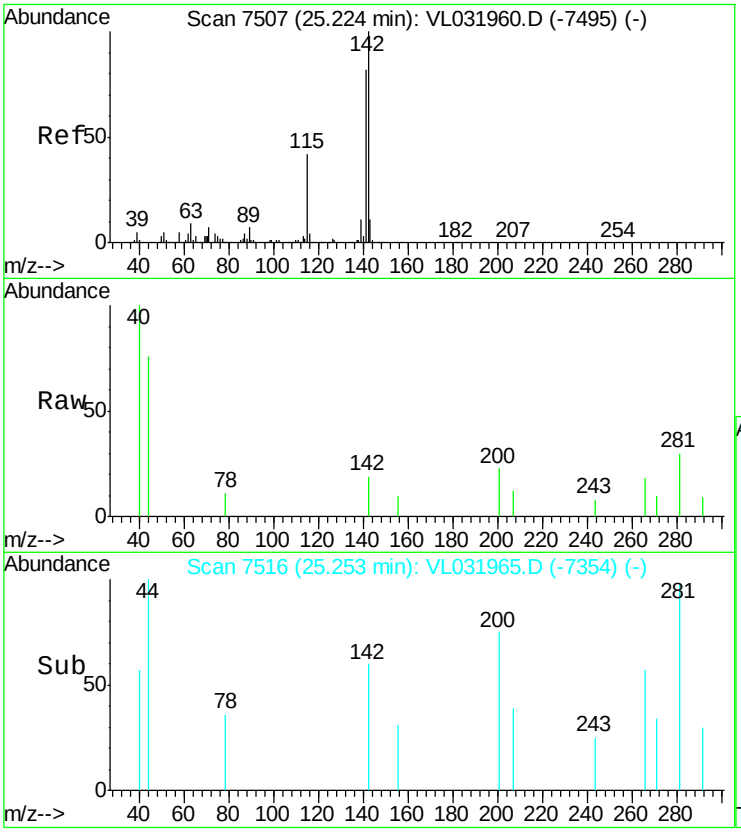


#78
Hexachloro-1,3-Butadiene
Concen: 0.010 ppbv
RT: 23.68 min Scan# 7026
Delta R.T. -0.01 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion:225 Resp: 777

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.6	76.0#
227	0.0	52.2	78.4#





#80
Naphthalene,2-methyl-
Concen: 0.010 ppbv
RT: 25.25 min Scan# 7516
Delta R.T. 0.02 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 370

Ion	Ratio	Lower	Upper
142	100		
141	19.2	67.0	100.4#
115	0.0	35.3	52.9#