Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071620\
Data File : VL035193.D
Acq On : 16 Jul 2020 14:34
Operator : SY/AP
Sample : QC071320 CAN 10473
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : QC071320 CAN 10473

Quant Time: Jul 17 06:10:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 07:05:23 2020
QLast Update : Wed Jul 08 07:05:23 2020
Response via : Initial Calibration

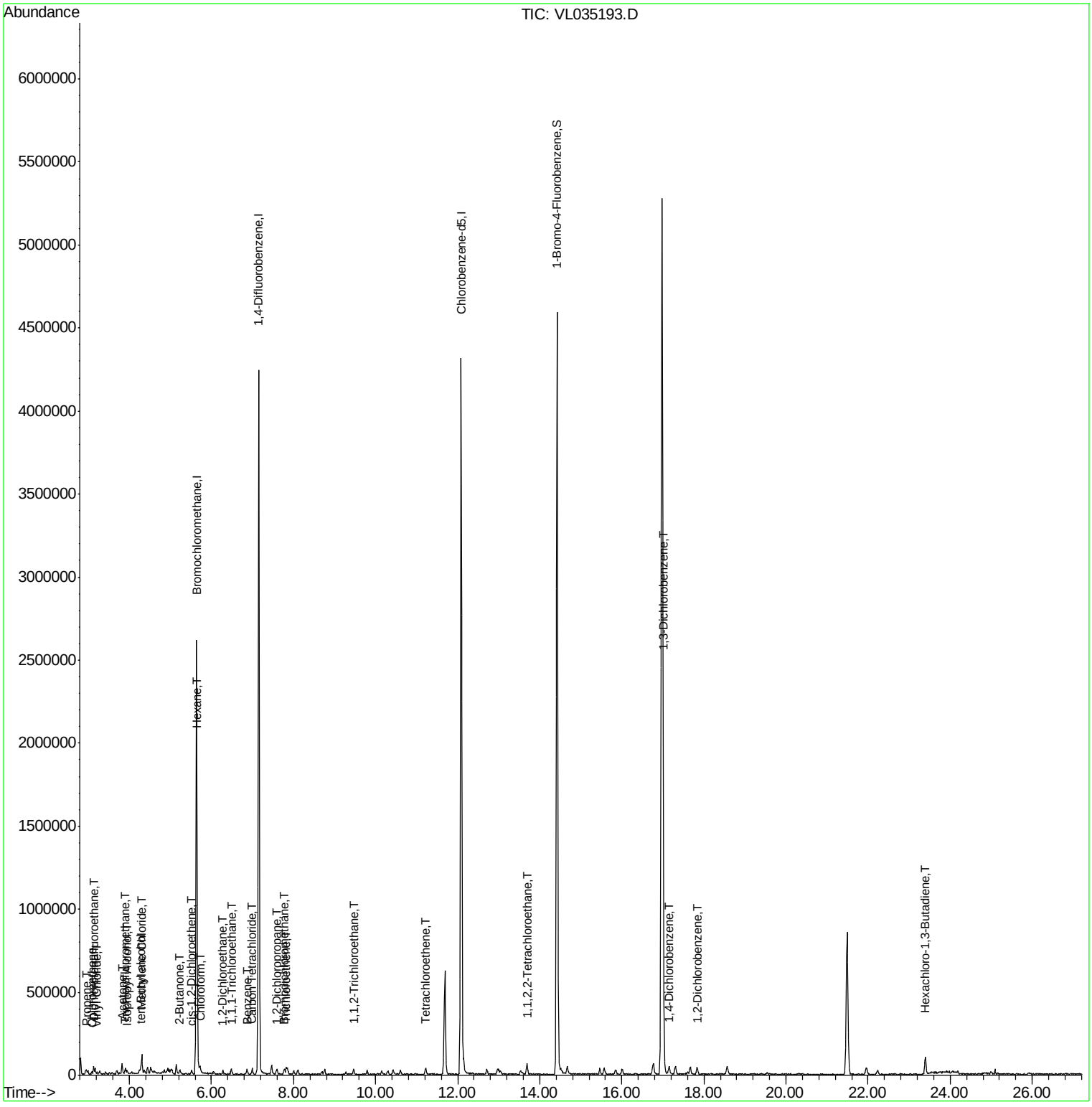
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1210032	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2867746	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	2623599	10.00	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2144958	10.06	ppbv	-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.60%			
Target Compounds						Qvalue
4) Chloromethane	3.08	50	10068	0.134	ppbv	89
5) Vinyl Chloride	3.20	62	7560m	0.094	ppbv	
8) Dichlorotetrafluoroethane	3.13	85	19457	0.105	ppbv	92
9) Propene	2.95	41	10111	0.200	ppbv	88
11) Trichlorofluoromethane	3.90	101	18697	0.098	ppbv	89
15) Acetone	3.82	43	51124m	0.312	ppbv	
17) tert-Butyl alcohol	4.27	59	15601m	0.108	ppbv	
19) Isopropyl Alcohol	3.94	45	14315m	0.145	ppbv	
20) Methylene Chloride	4.30	84	33995m	0.477	ppbv	
26) Hexane	5.65	57	19230	0.172	ppbv #	78
29) Chloroform	5.72	83	19057	0.101	ppbv	99
31) cis-1,2-Dichloroethene	5.51	61	11676	0.110	ppbv #	77
32) 1,1,1-Trichloroethane	6.49	97	18219m	0.097	ppbv	
34) 2-Butanone	5.23	43	20892m	0.136	ppbv	
35) Carbon Tetrachloride	7.00	117	16805m	0.090	ppbv	
36) Benzene	6.87	78	22023	0.106	ppbv #	90
37) 1,2-Dichloroethane	6.28	62	15180m	0.109	ppbv	
38) Trichloroethene	7.82	130	8966m	0.106	ppbv	
39) 1,2-Dichloropropane	7.59	63	10592m	0.128	ppbv	
42) Bromodichloromethane	7.78	83	19992m	0.107	ppbv	
47) 1,1,2-Trichloroethane	9.47	97	9455m	0.105	ppbv	
52) Tetrachloroethene	11.22	164	7712m	0.099	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.68	83	22993m	0.107	ppbv	
75) 1,3-Dichlorobenzene	17.01	146	28359m	0.145	ppbv	
76) 1,4-Dichlorobenzene	17.15	146	20059m	0.110	ppbv	
77) 1,2-Dichlorobenzene	17.84	146	18213m	0.103	ppbv	
78) Hexachloro-1,3-Butadiene	23.41	225	28152m	0.202	ppbv	

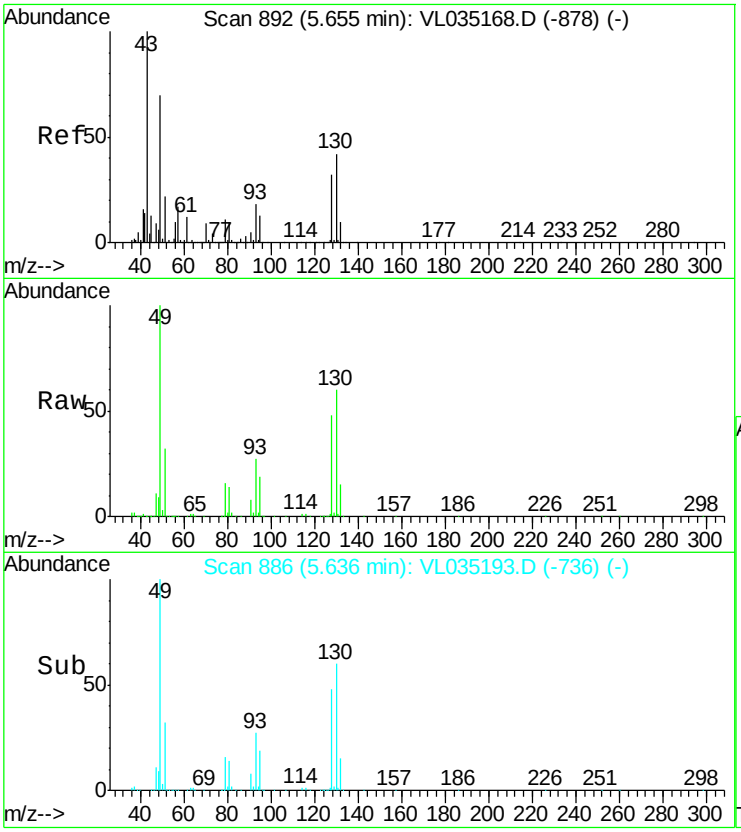
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071620\
Data File : VL035193.D
Acq On : 16 Jul 2020 14:34
Operator : SY/AP
Sample : QC071320 CAN 10473
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

Quant Time: Jul 17 06:10:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 07:05:23 2020
QLast Update : Wed Jul 08 07:05:23 2020
Response via : Initial Calibration



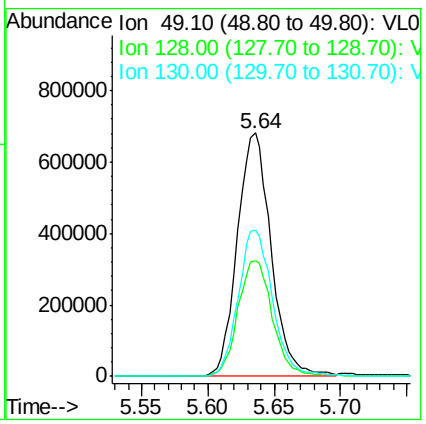


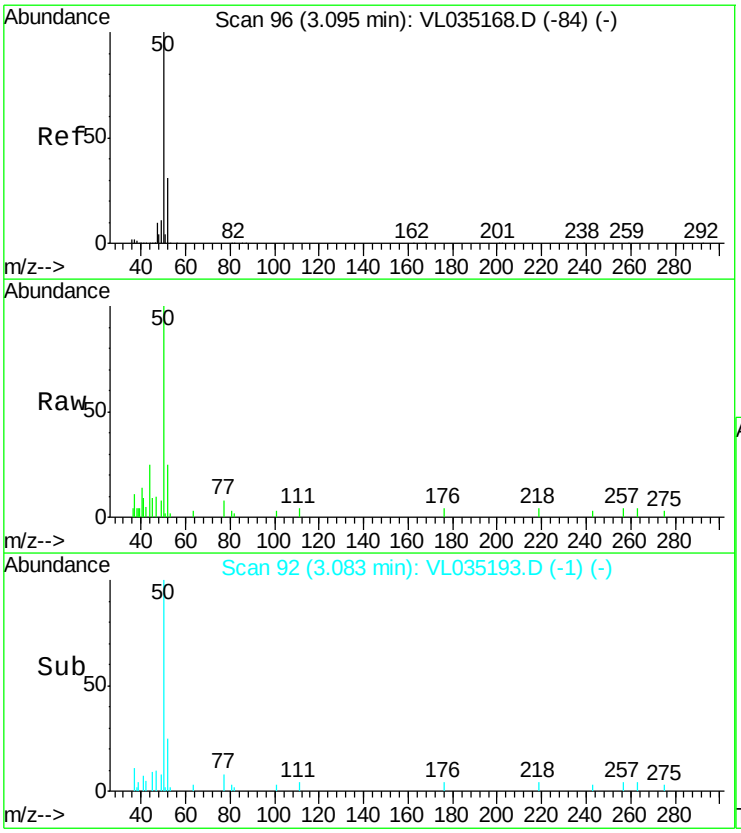
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 886
Delta R.T. -0.02 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

Tgt Ion: 49 Resp: 1210032

Ion	Ratio	Lower	Upper
49	100		
128	48.6	23.8	71.4
130	61.1	29.9	89.8

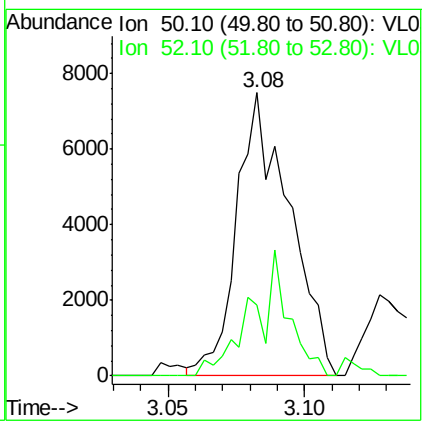


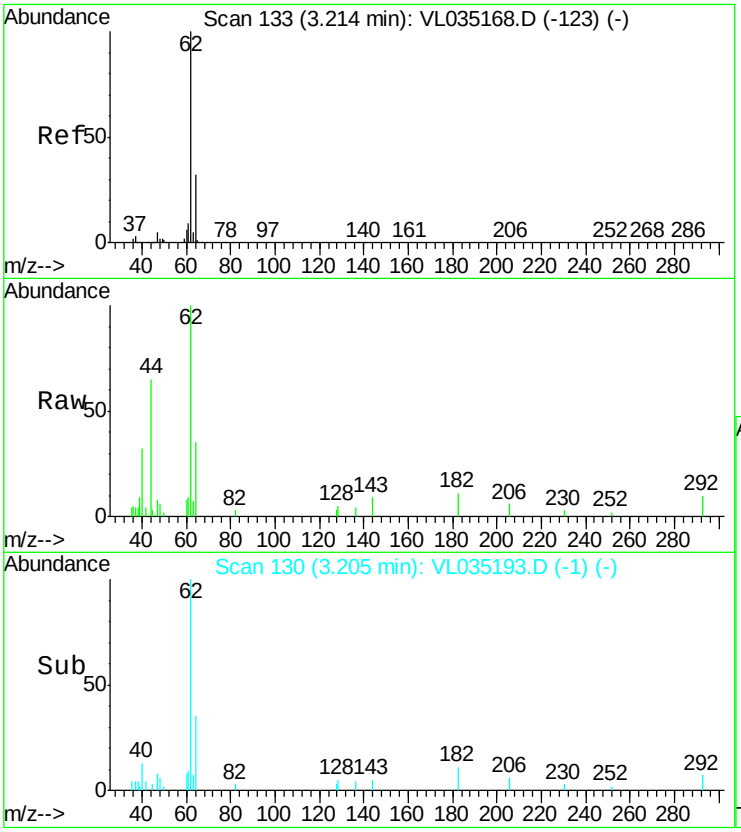


#4
Chloromethane
Concen: 0.134 ppbv
RT: 3.08 min Scan# 92
Delta R.T. -0.01 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion: 50 Resp: 10068

Ion	Ratio	Lower	Upper
50	100		
52	25.2	25.0	37.6



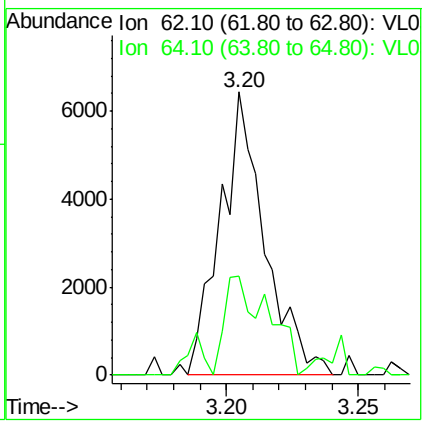


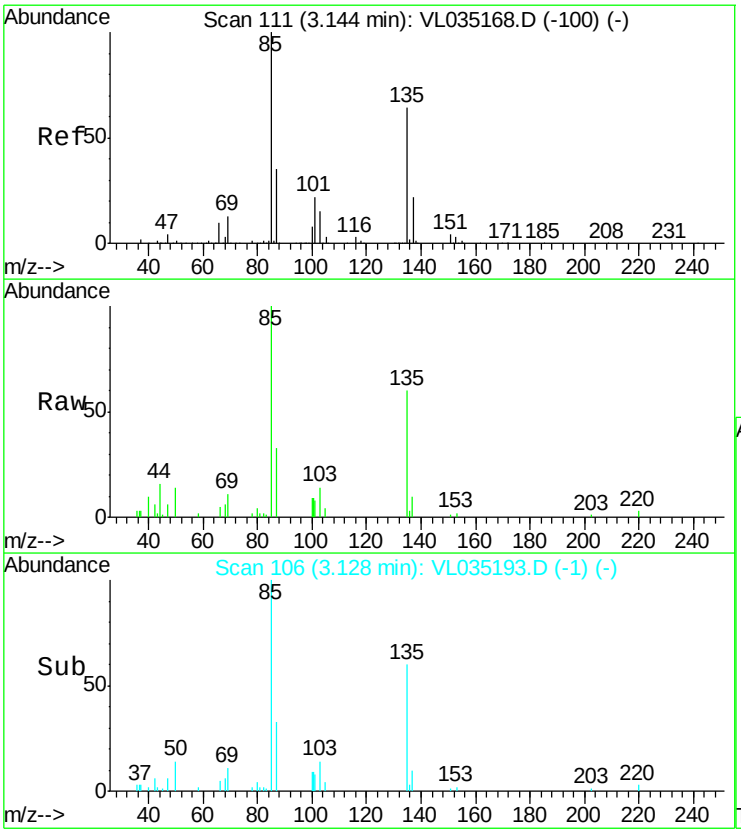
#5
Vinyl Chloride
Concen: 0.094 ppbv m
RT: 3.20 min Scan# 130
Delta R.T. -0.01 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

Tgt Ion: 62 Resp: 7560

Ion	Ratio	Lower	Upper
62	100		
64	35.0	25.9	38.9

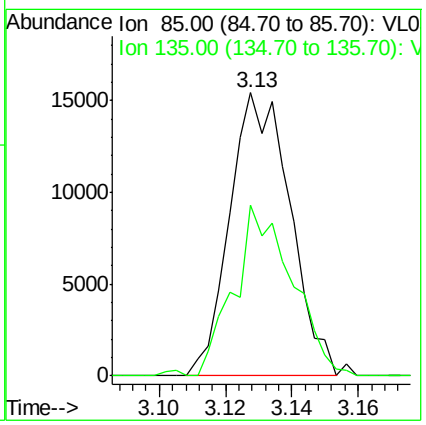


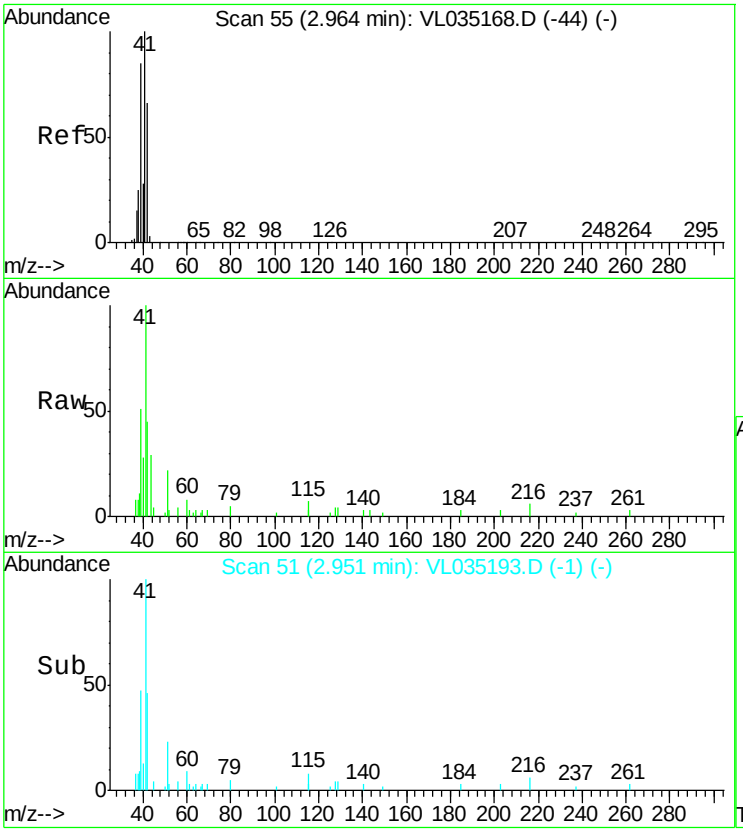


#8
Dichlorotetrafluoroethane
Concen: 0.105 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.02 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion: 85 Resp: 19457

Ion	Ratio	Lower	Upper
85	100		
135	58.5	52.1	78.1



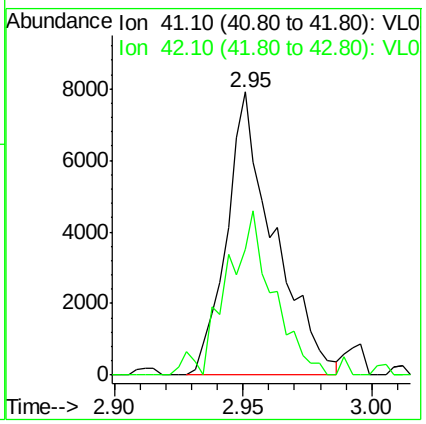


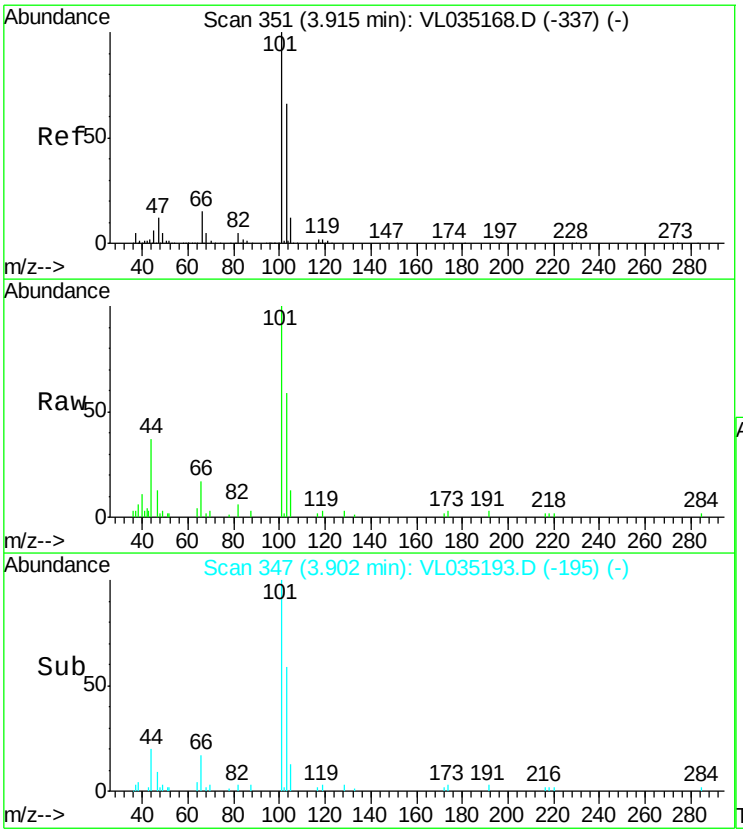
#9
Propene
Concen: 0.200 ppbv
RT: 2.95 min Scan# 51
Delta R.T. -0.01 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

Tgt Ion: 41 Resp: 10111

Ion	Ratio	Lower	Upper
41	100		
42	58.6	54.6	81.8

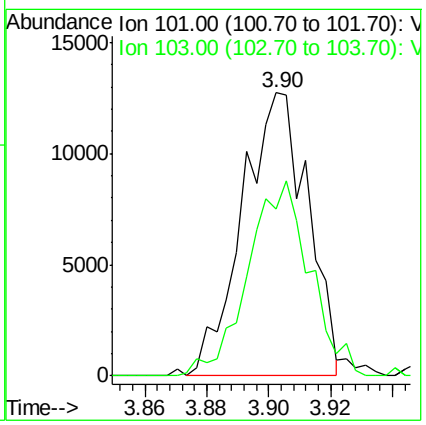


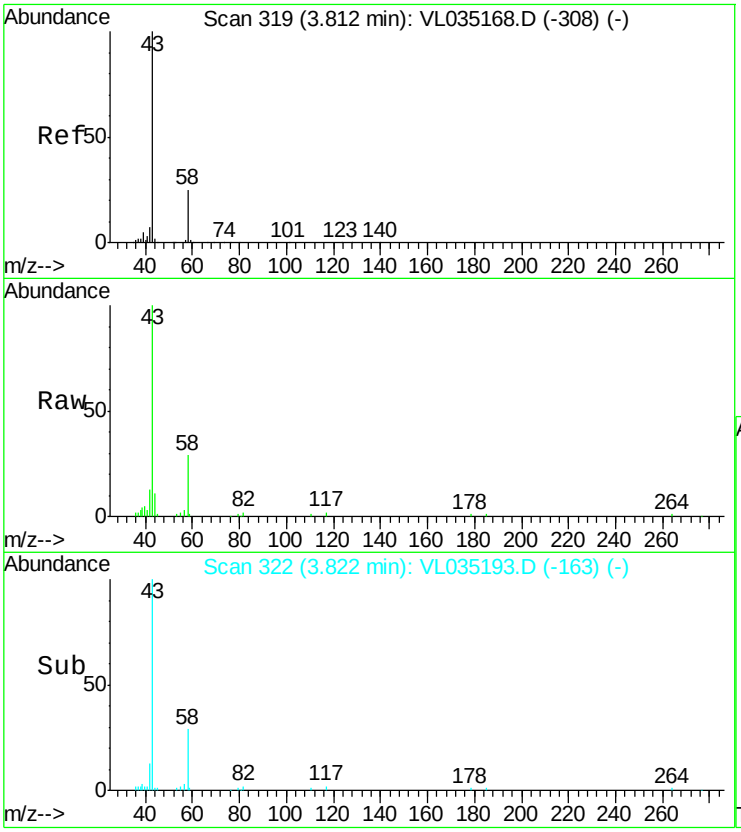


#11
Trichlorofluoromethane
Concen: 0.098 ppbv
RT: 3.90 min Scan# 347
Delta R.T. -0.01 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion:101 Resp: 18697

Ion	Ratio	Lower	Upper
101	100		
103	57.8	53.1	79.7



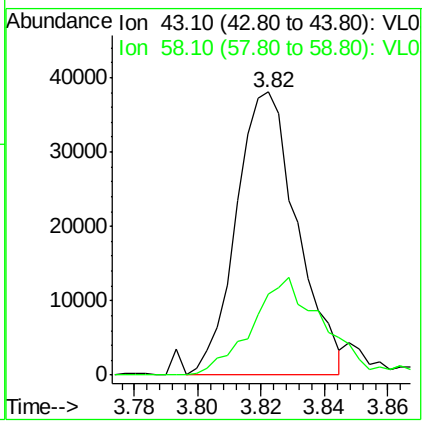


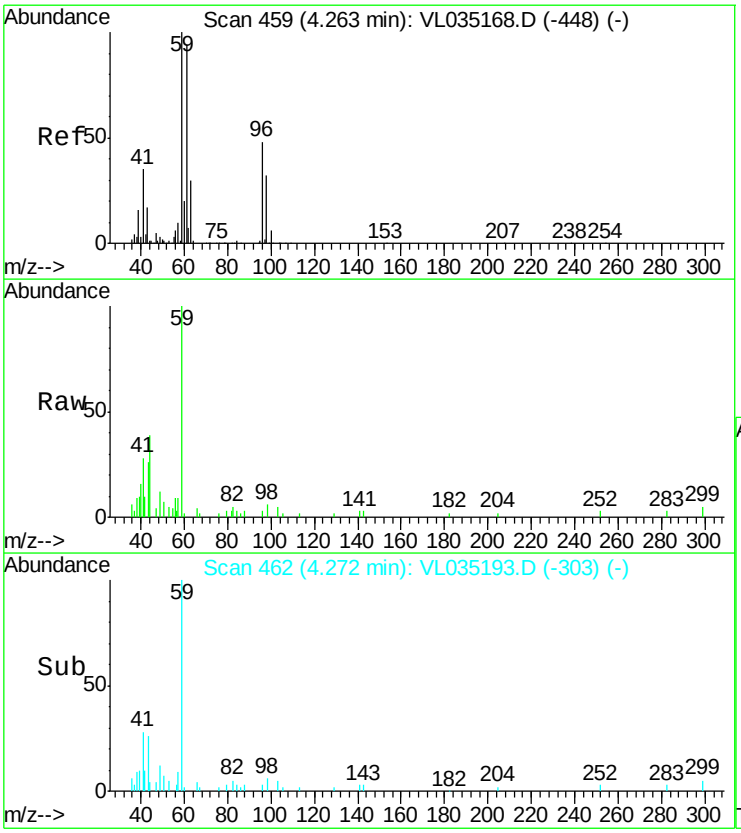
#15
Acetone
Concen: 0.312 ppbv m
RT: 3.82 min Scan# 322
Delta R.T. 0.01 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

Tgt Ion: 43 Resp: 51124

Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.3	31.9#

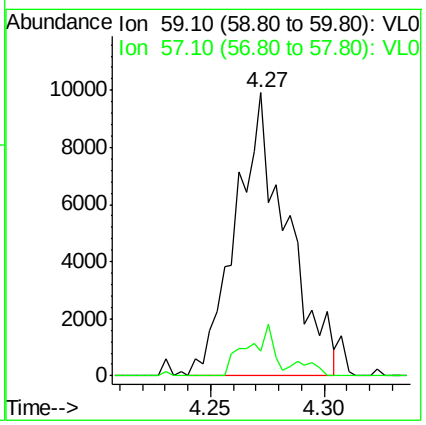


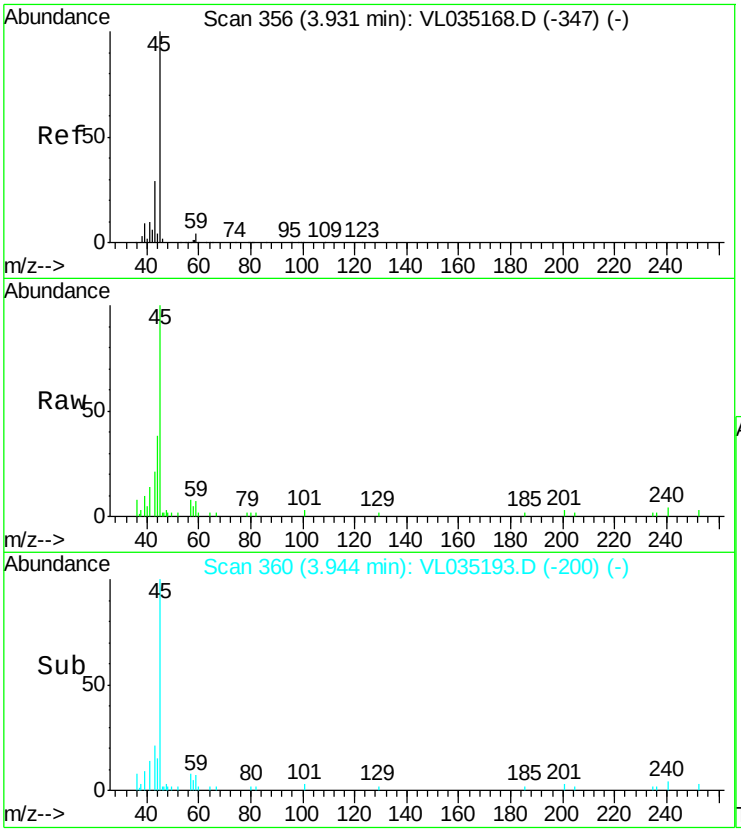


#17
tert-Butyl alcohol
Concen: 0.108 ppbv m
RT: 4.27 min Scan# 462
Delta R.T. 0.01 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion: 59 Resp: 15601

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	12.8#



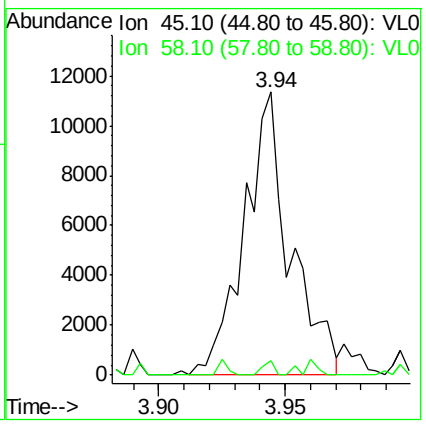


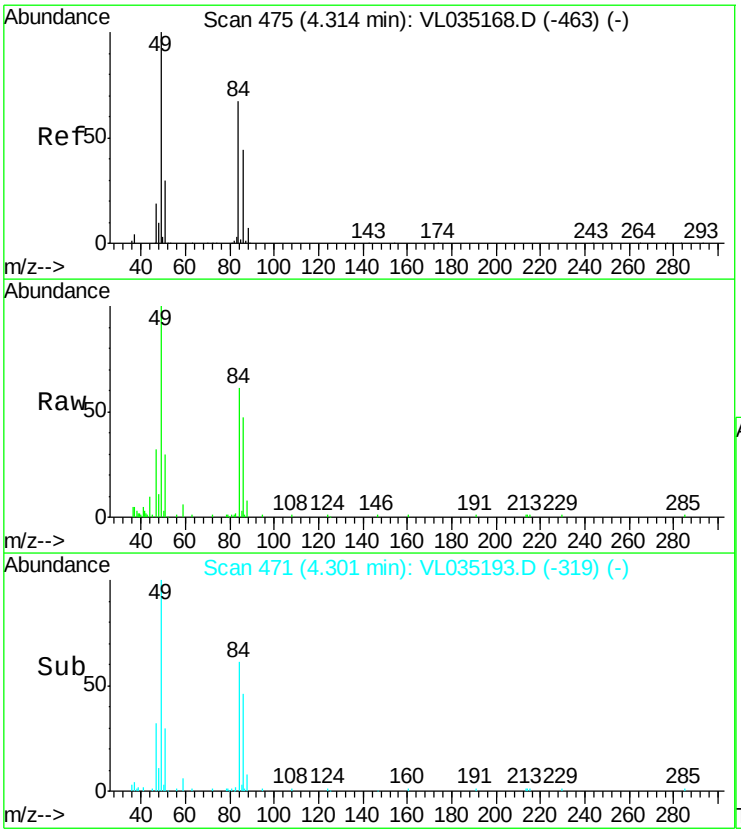
#19
Isopropyl Alcohol
Concen: 0.145 ppbv m
RT: 3.94 min Scan# 360
Delta R.T. 0.01 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

Tgt Ion: 45 Resp: 14315

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.1	3.1#

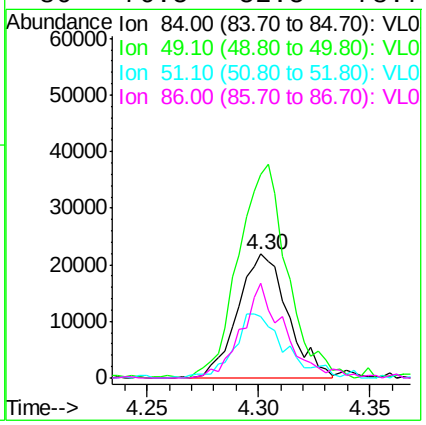


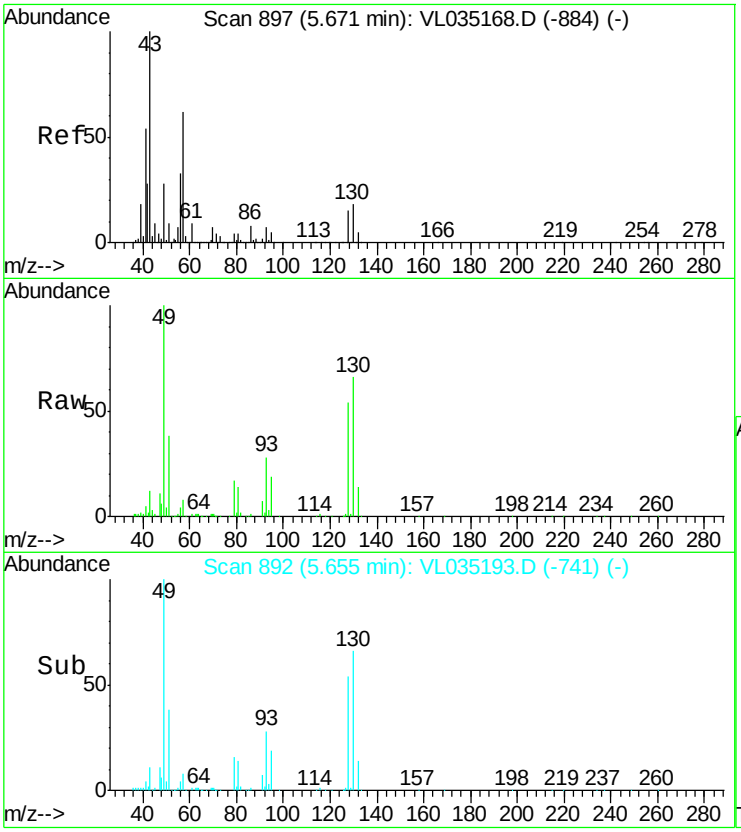


#20
Methylene Chloride
Concen: 0.477 ppbv m
RT: 4.30 min Scan# 471
Delta R.T. -0.01 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion: 84 Resp: 33995

Ion	Ratio	Lower	Upper
84	100		
49	164.3	119.4	179.0
51	50.0	36.6	55.0
86	76.5	52.5	78.7



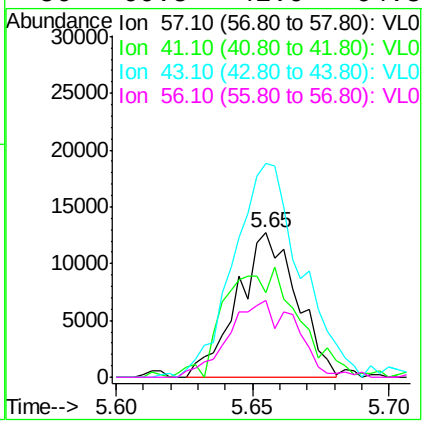


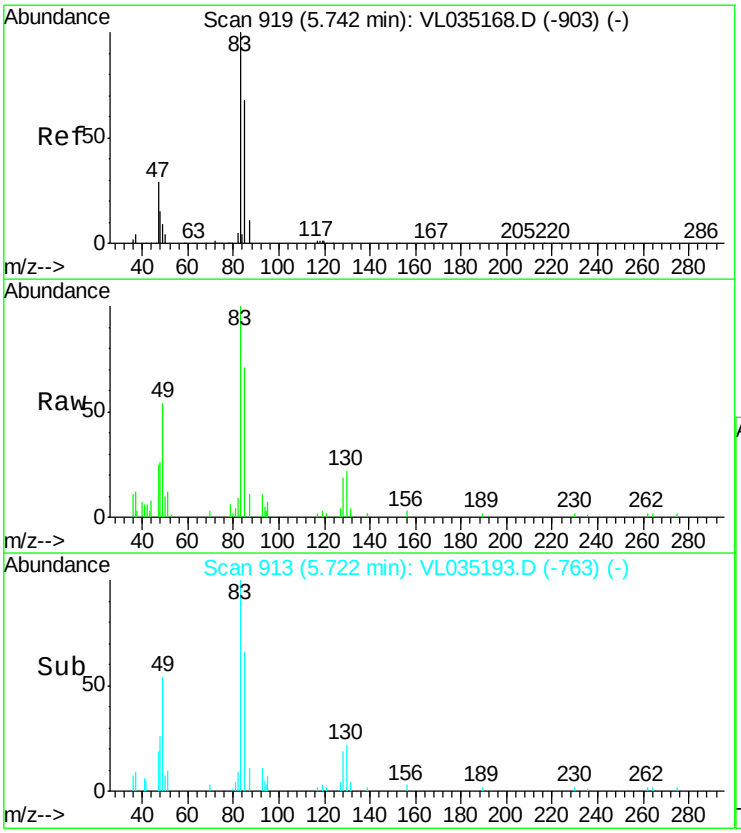
#26
Hexane
Concen: 0.172 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

Tgt Ion: 57 Resp: 19230

Ion	Ratio	Lower	Upper
57	100		
41	95.4	72.9	109.3
43	172.6	179.5	269.3#
56	60.5	42.9	64.3

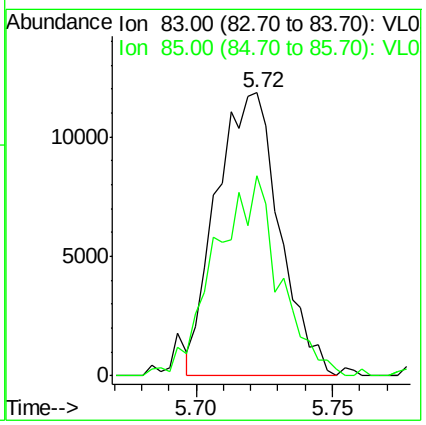


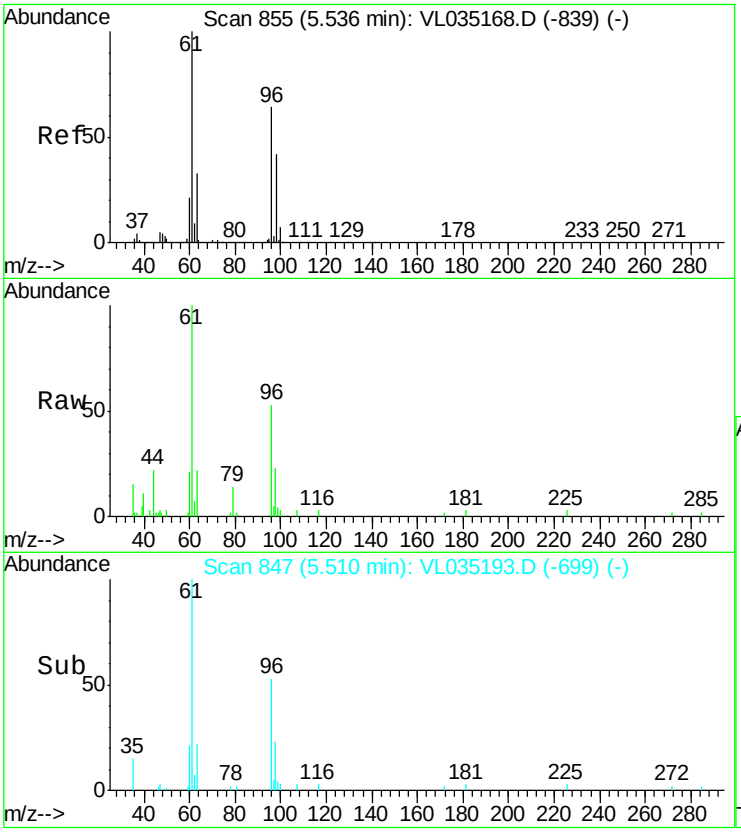


#29
Chloroform
Concen: 0.101 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.02 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion: 83 Resp: 19057

Ion	Ratio	Lower	Upper
83	100		
85	68.6	54.3	81.5



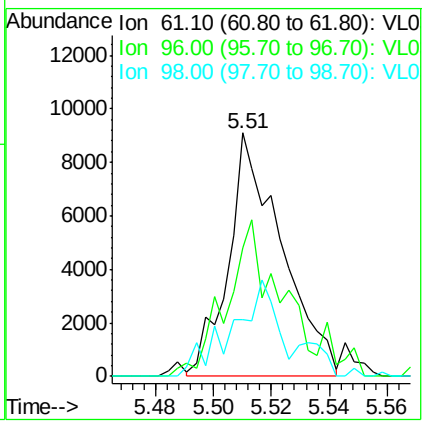


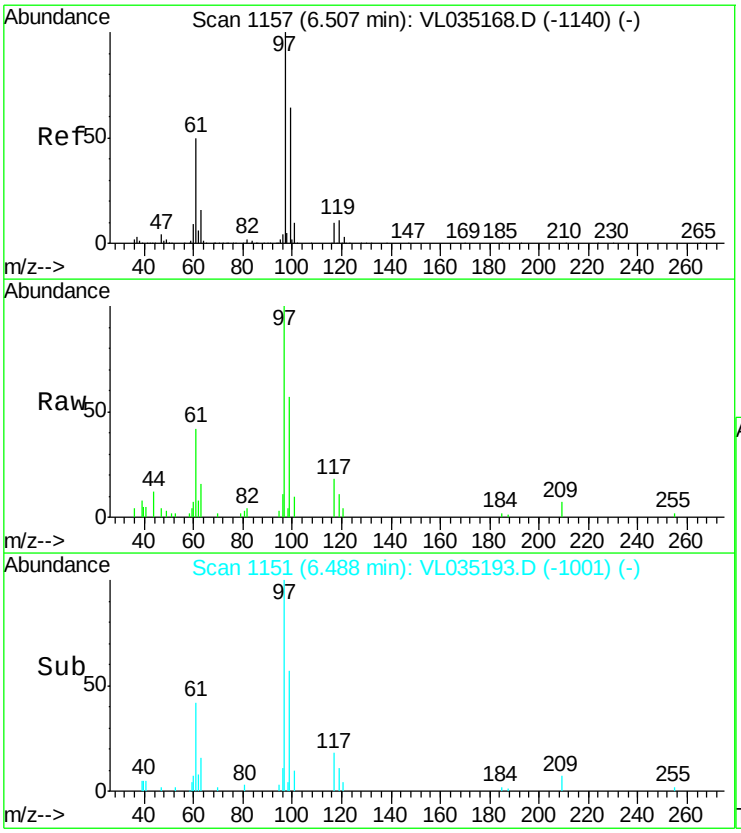
#31
cis-1,2-Dichloroethene
Concen: 0.110 ppbv
RT: 5.51 min Scan# 847
Delta R.T. -0.03 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

Tgt Ion: 61 Resp: 11676

Ion	Ratio	Lower	Upper
61	100		
96	49.3	51.3	76.9#
98	23.9	33.8	50.8#

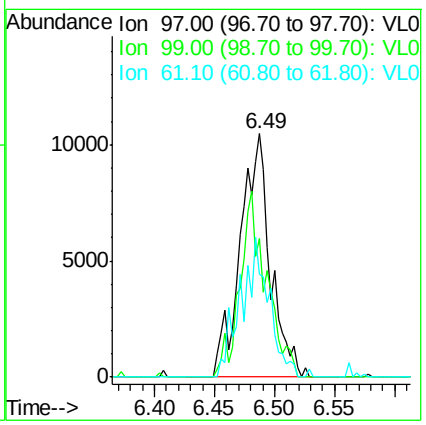


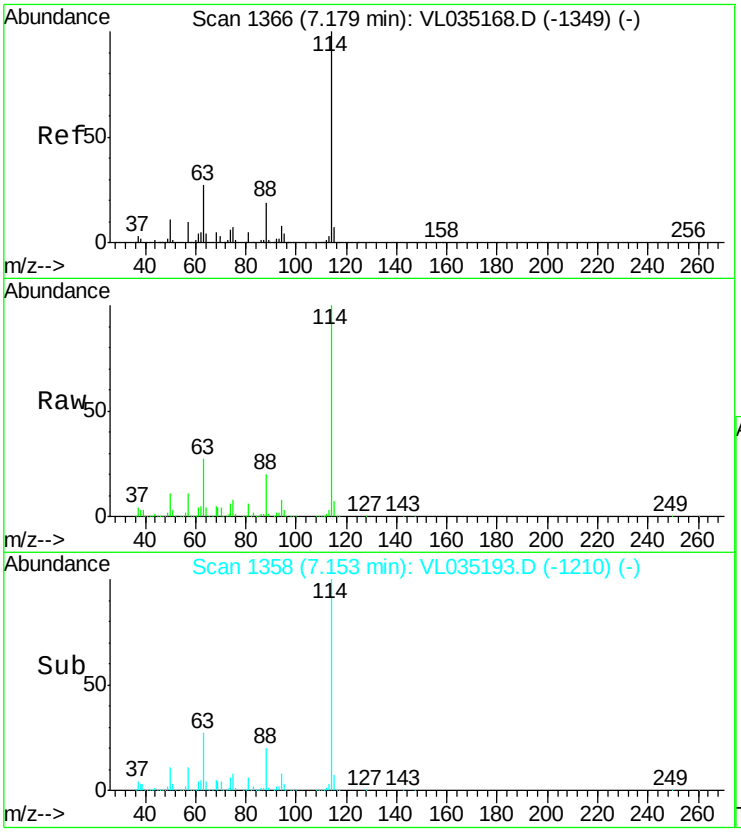


#32
1,1,1-Trichloroethane
Concen: 0.097 ppbv m
RT: 6.49 min Scan# 1151
Delta R.T. -0.02 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion: 97 Resp: 18219

Ion	Ratio	Lower	Upper
97	100		
99	68.0	51.2	76.8
61	54.1	40.9	61.3



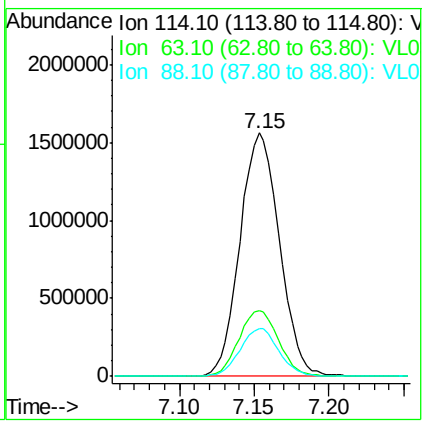


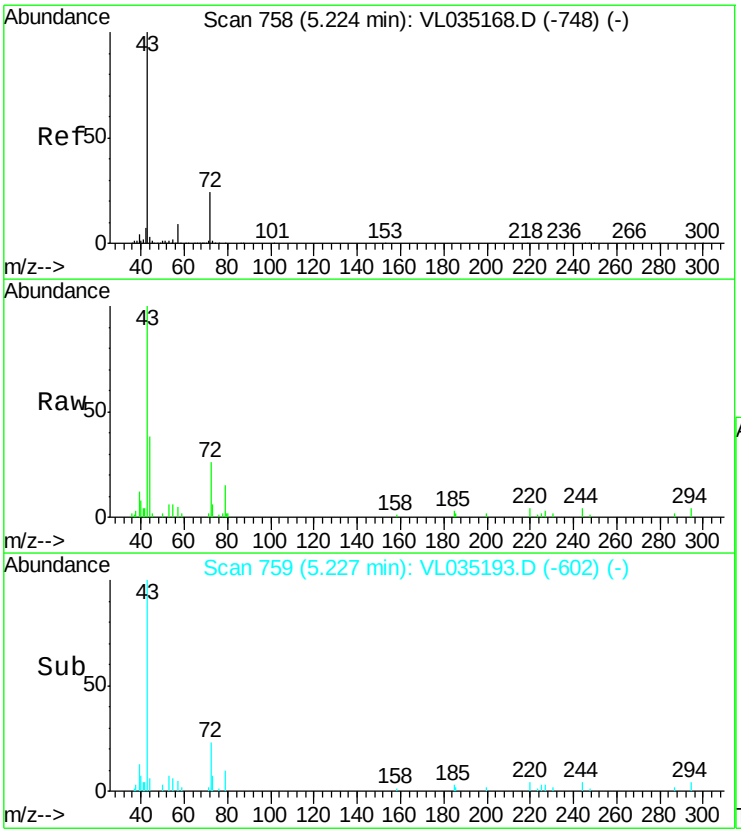
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.03 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

Tgt Ion:114 Resp: 2867746

Ion	Ratio	Lower	Upper
114	100		
63	27.3	22.0	33.0
88	19.4	15.4	23.0

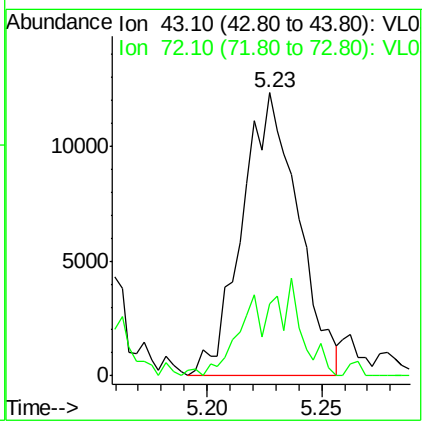


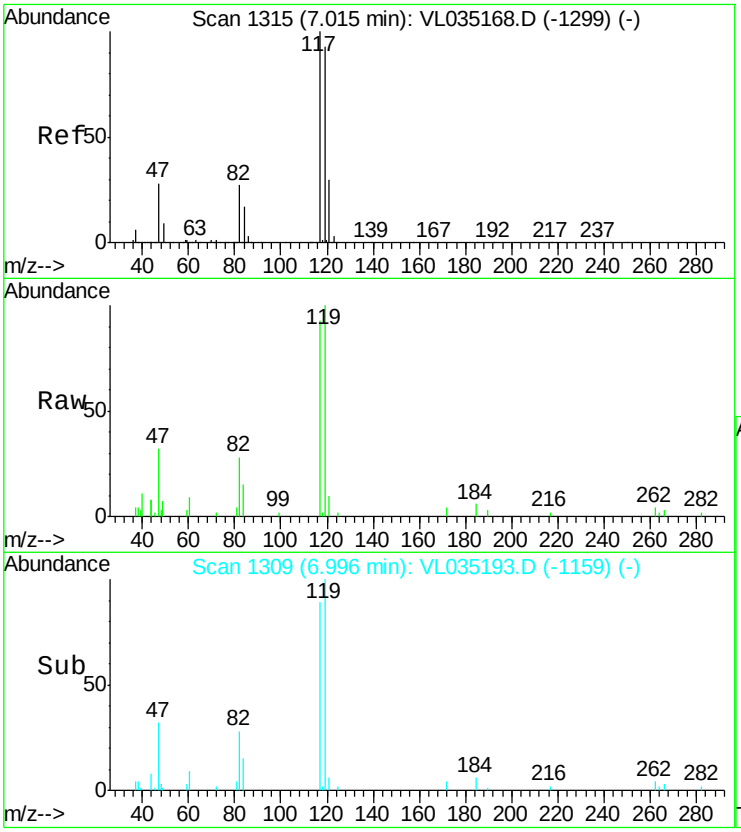


#34
2-Butanone
Concen: 0.136 ppbv m
RT: 5.23 min Scan# 759
Delta R.T. 0.00 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion: 43 Resp: 20892

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	28.0#



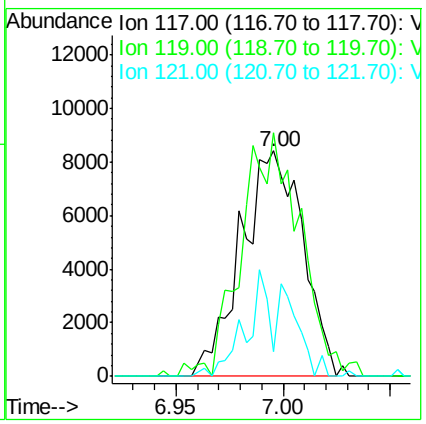


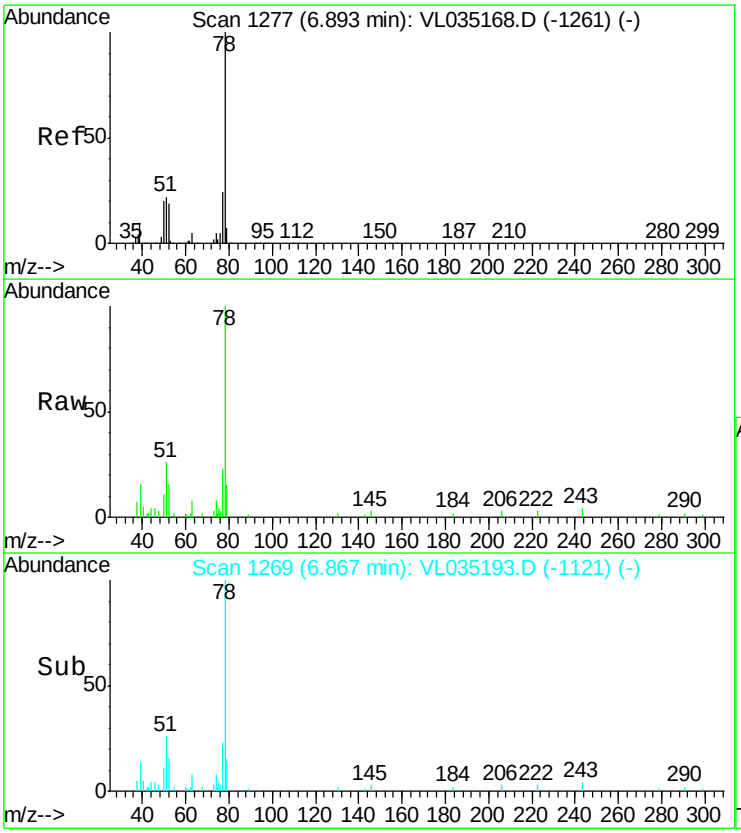
#35
Carbon Tetrachloride
Concen: 0.090 ppbv m
RT: 7.00 min Scan# 1309
Delta R.T. -0.02 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

Tgt Ion:117 Resp: 16805

Ion	Ratio	Lower	Upper
117	100		
119	108.0	74.8	112.2
121	11.0	24.2	36.2#

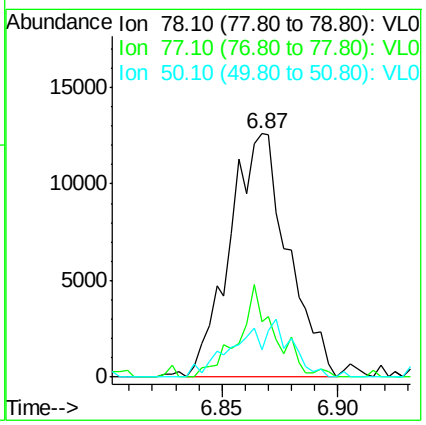


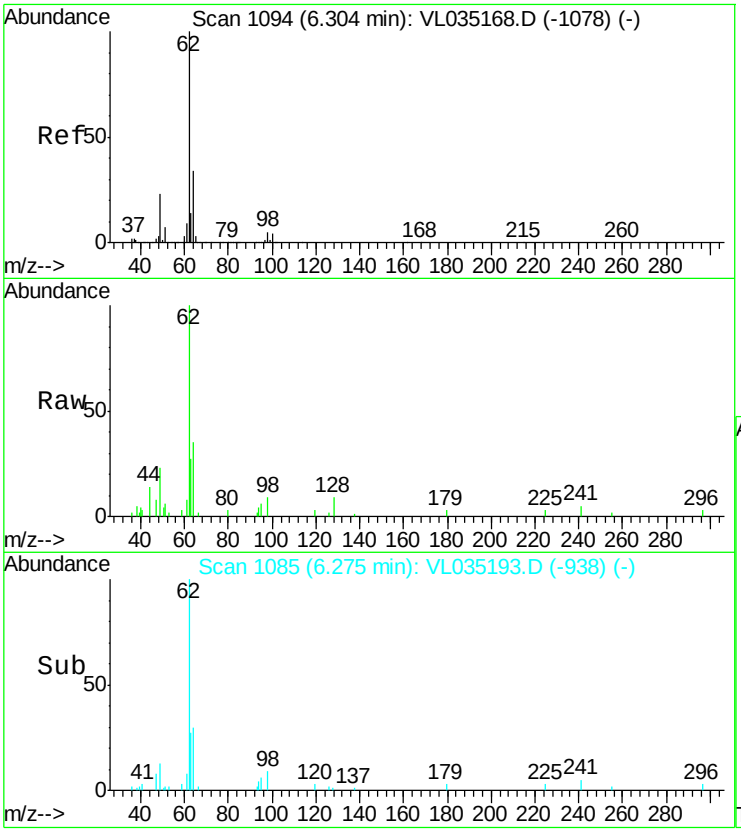


#36
Benzene
Concen: 0.106 ppbv
RT: 6.87 min Scan# 1269
Delta R.T. -0.03 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion: 78 Resp: 22023

Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.3	28.9
50	11.0	16.0	24.0#



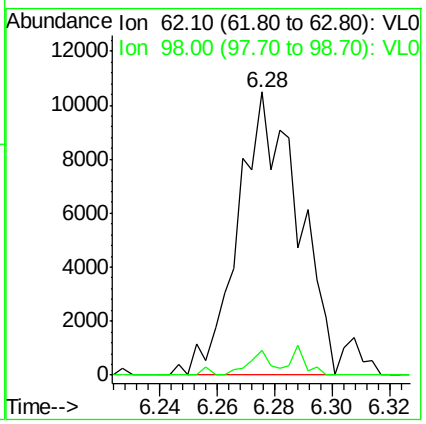


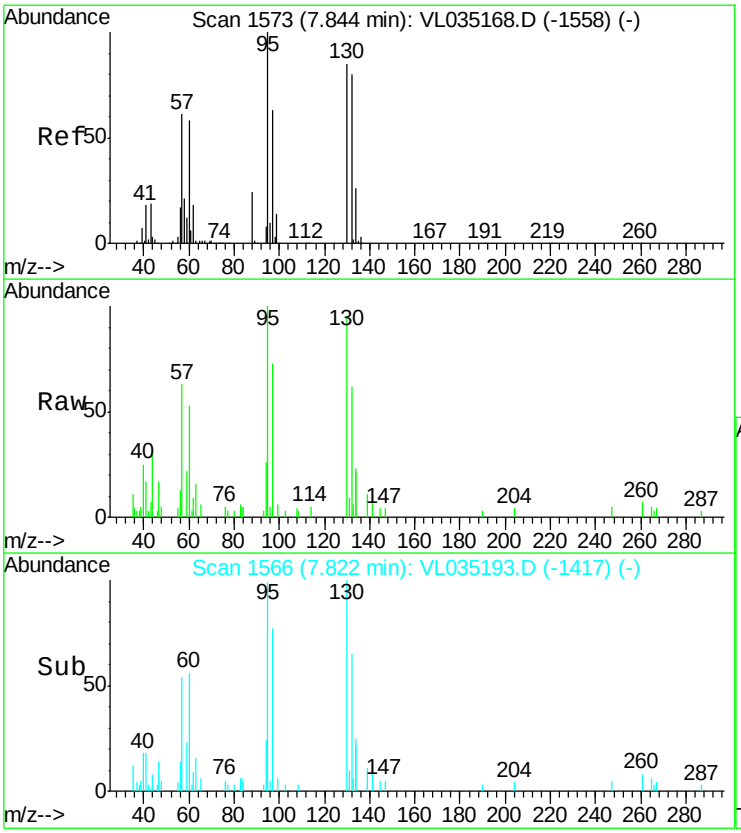
#37
1,2-Dichloroethane
Concen: 0.109 ppbv m
RT: 6.28 min Scan# 1085
Delta R.T. -0.03 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

Tgt Ion: 62 Resp: 15180

Ion	Ratio	Lower	Upper
62	100		
98	6.2	4.6	6.8

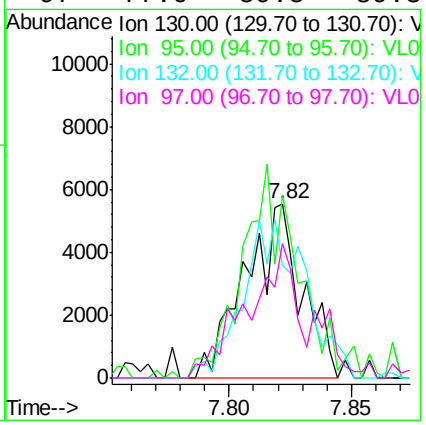


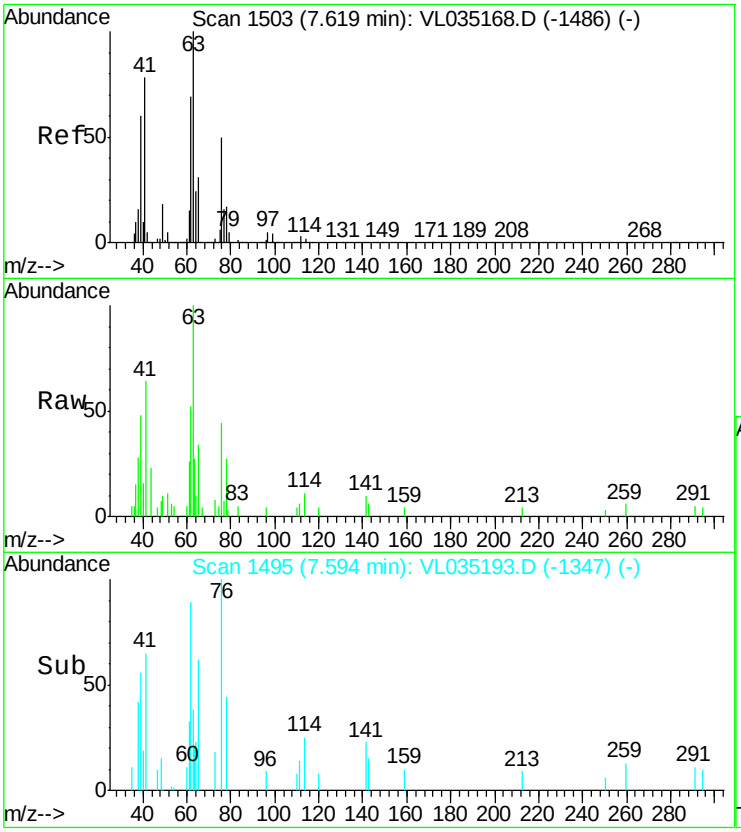


#38
Trichloroethene
Concen: 0.106 ppbv m
RT: 7.82 min Scan# 1566
Delta R.T. -0.02 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion:130 Resp: 8966

Ion	Ratio	Lower	Upper
130	100		
95	104.9	93.8	140.8
132	64.8	75.0	112.4#
97	77.0	59.5	89.3



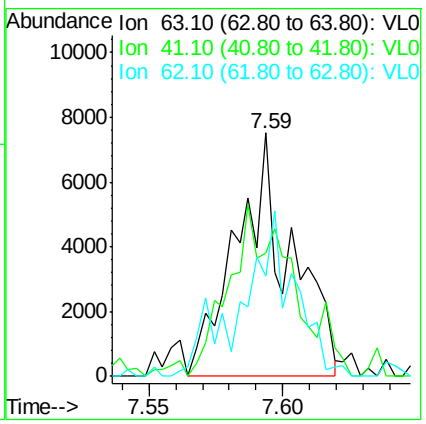


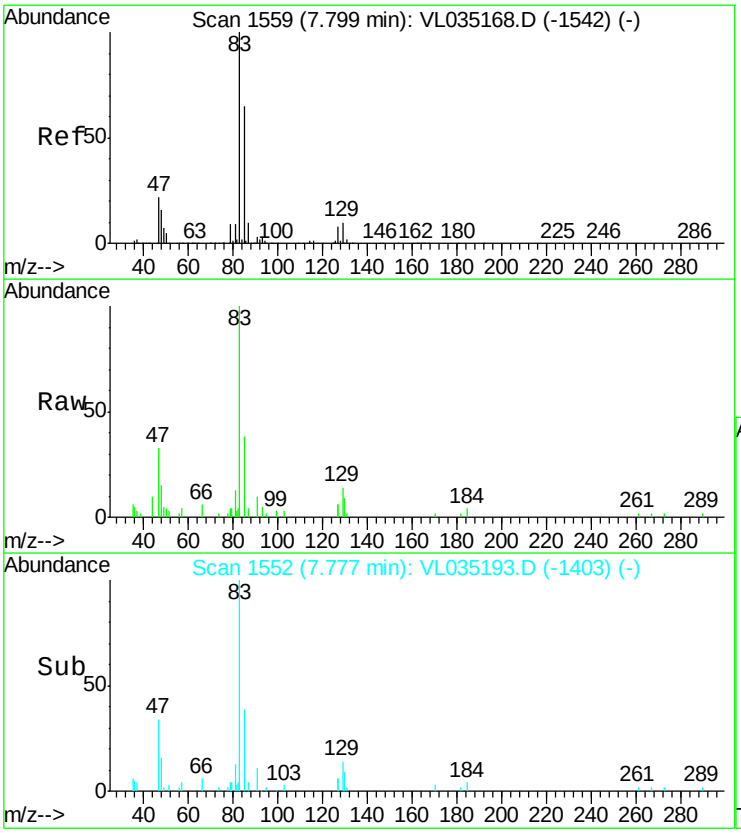
#39
1,2-Dichloropropane
Concen: 0.128 ppbv m
RT: 7.59 min Scan# 1495
Delta R.T. -0.03 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

Tgt Ion: 63 Resp: 10592

Ion	Ratio	Lower	Upper
63	100		
41	64.3	62.6	94.0
62	52.4	55.0	82.6#

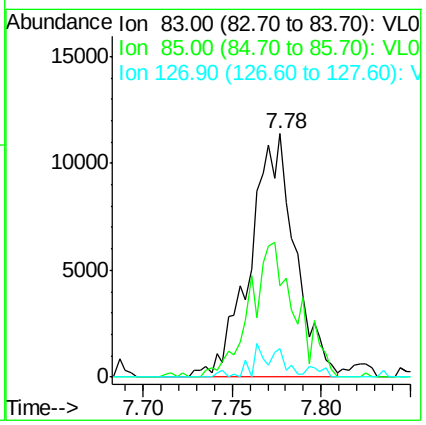


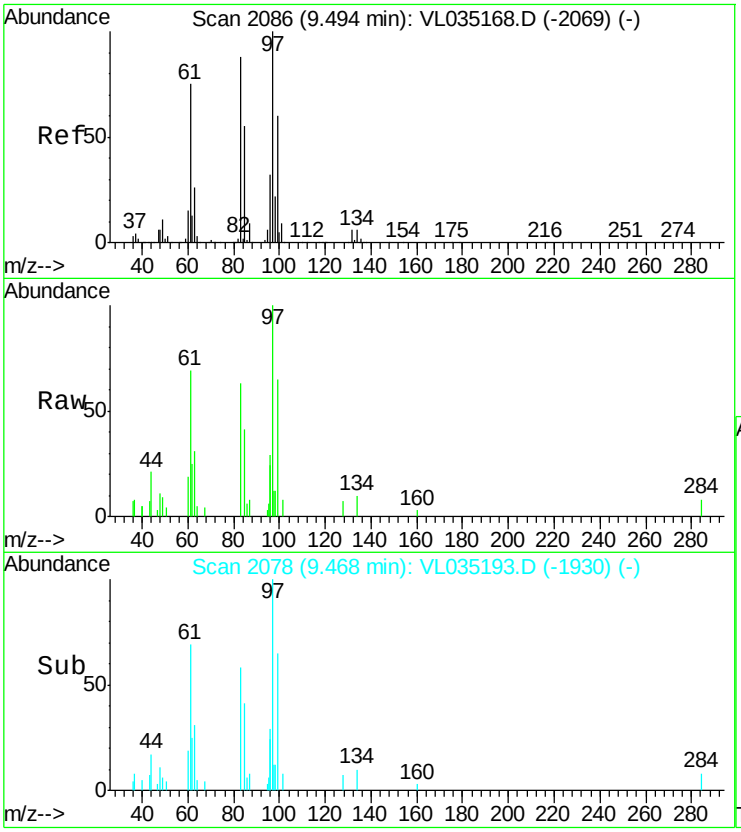


#42
Bromodichloromethane
Concen: 0.107 ppbv m
RT: 7.78 min Scan# 1552
Delta R.T. -0.02 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion: 83 Resp: 19992

Ion	Ratio	Lower	Upper
83	100		
85	37.6	52.2	78.4#
127	6.1	6.3	9.5#



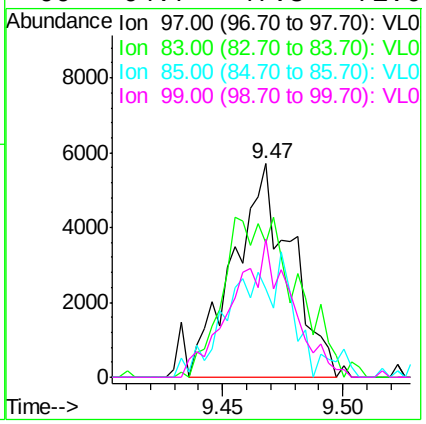


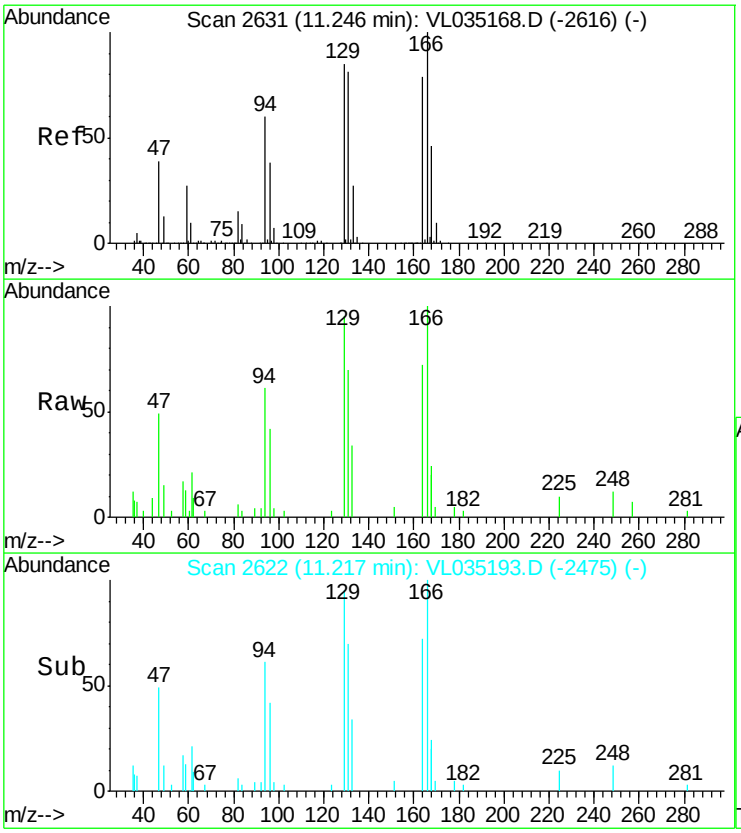
#47
1,1,2-Trichloroethane
Concen: 0.105 ppbv m
RT: 9.47 min Scan# 2078
Delta R.T. -0.03 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

Tgt Ion: 97 Resp: 9455

Ion	Ratio	Lower	Upper
97	100		
83	63.2	70.3	105.5#
85	41.5	44.3	66.5#
99	64.7	47.8	71.6

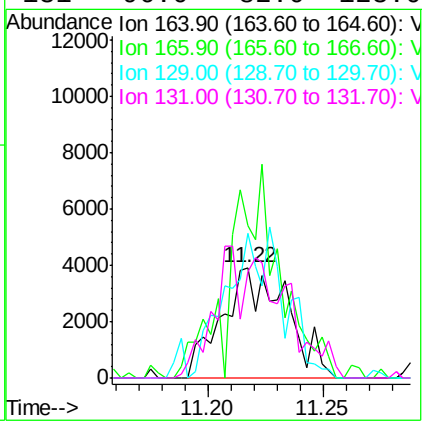


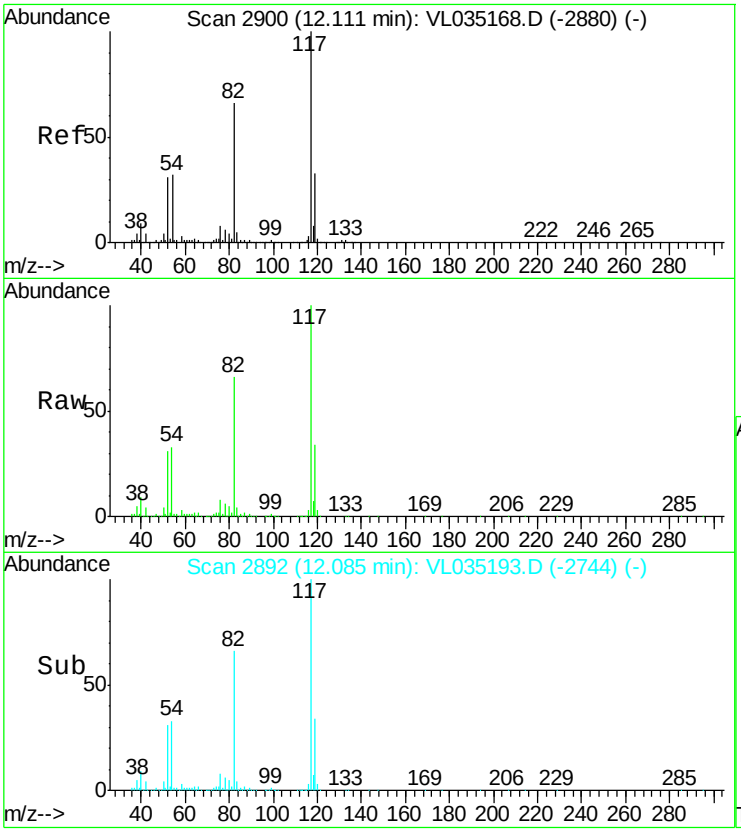


#52
Tetrachloroethene
Concen: 0.099 ppbv m
RT: 11.22 min Scan# 2622
Delta R.T. -0.03 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion:164 Resp: 7712

Ion	Ratio	Lower	Upper
164	100		
166	138.2	100.7	151.1
129	131.0	85.8	128.6#
131	96.0	82.0	123.0



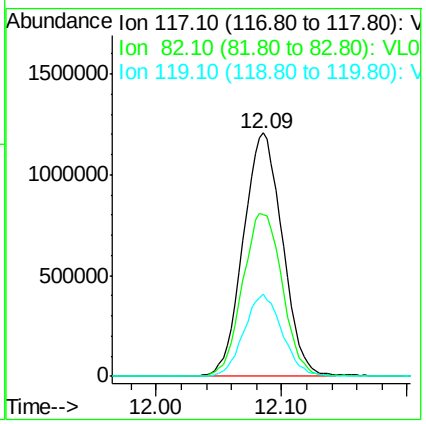


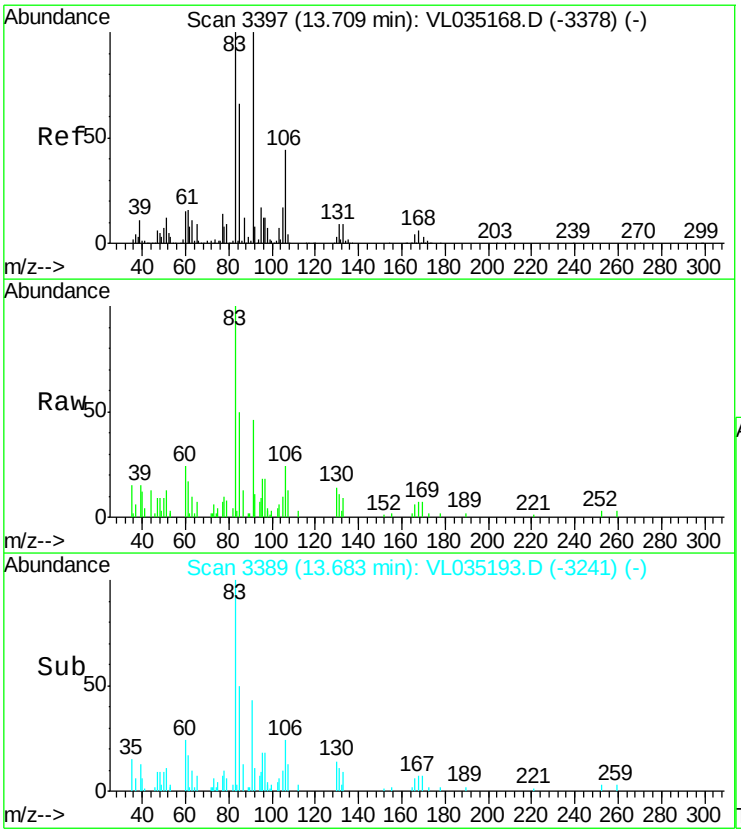
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.03 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

Tgt Ion:117 Resp: 2623599

Ion	Ratio	Lower	Upper
117	100		
82	68.3	52.3	78.5
119	33.0	24.9	37.3

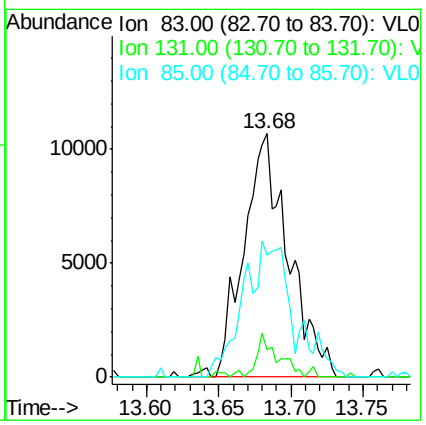


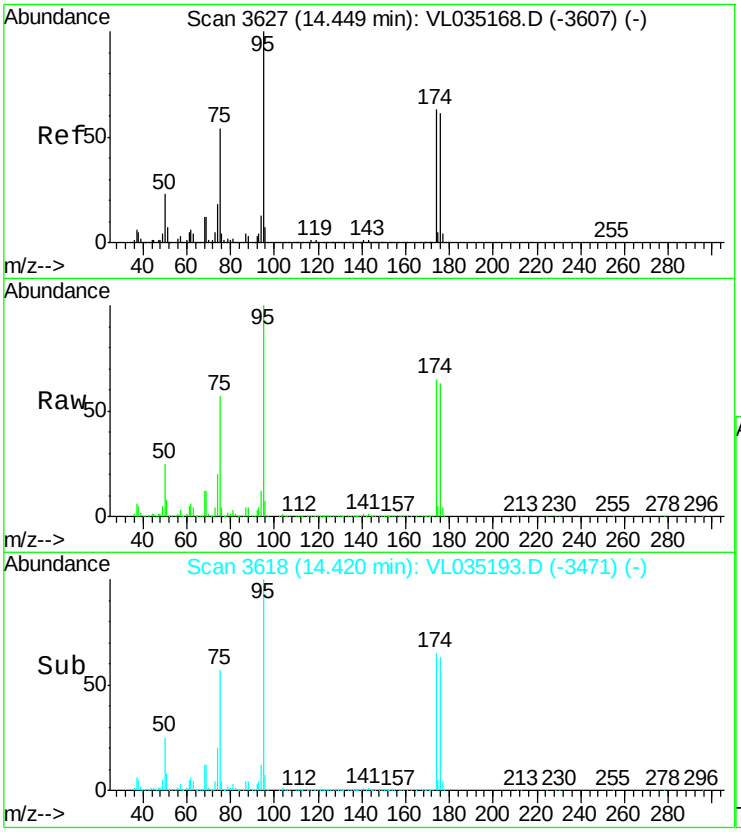


#63
1,1,2,2-Tetrachloroethane
Concen: 0.107 ppbv m
RT: 13.68 min Scan# 3389
Delta R.T. -0.03 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion: 83 Resp: 22993

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	62.6	33.0	99.0



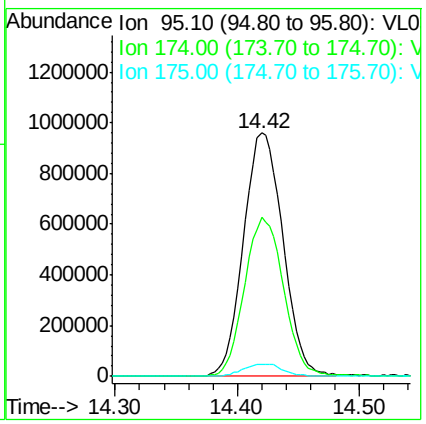


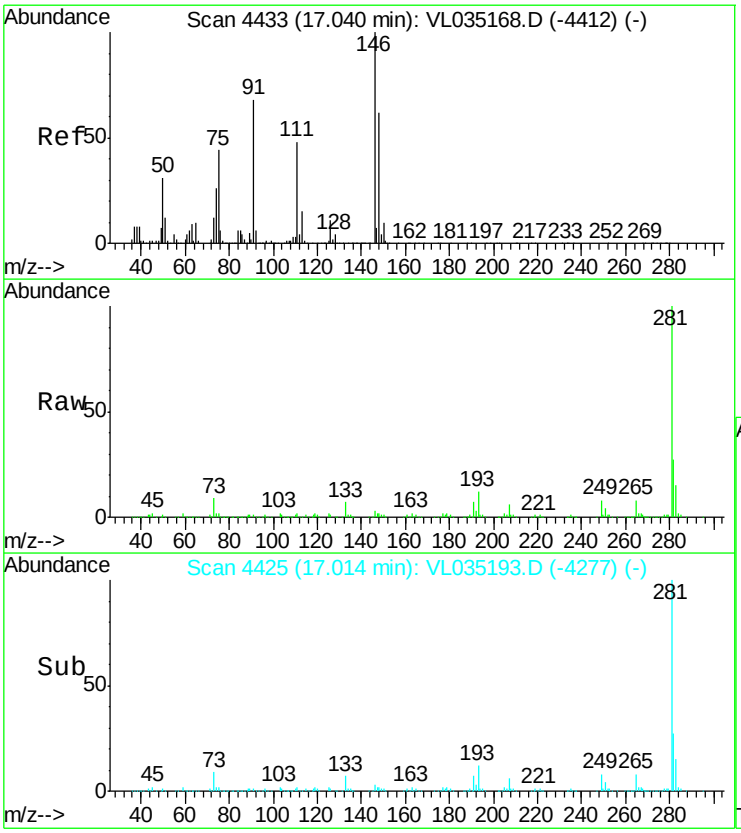
#68
1-Bromo-4-Fluorobenzene
Concen: 10.064 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. -0.03 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

Tgt Ion: 95 Resp: 2144958

Ion	Ratio	Lower	Upper
95	100		
174	65.3	52.2	78.2
175	5.0	4.0	6.0

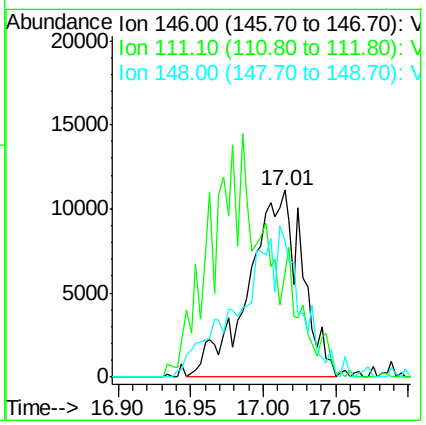


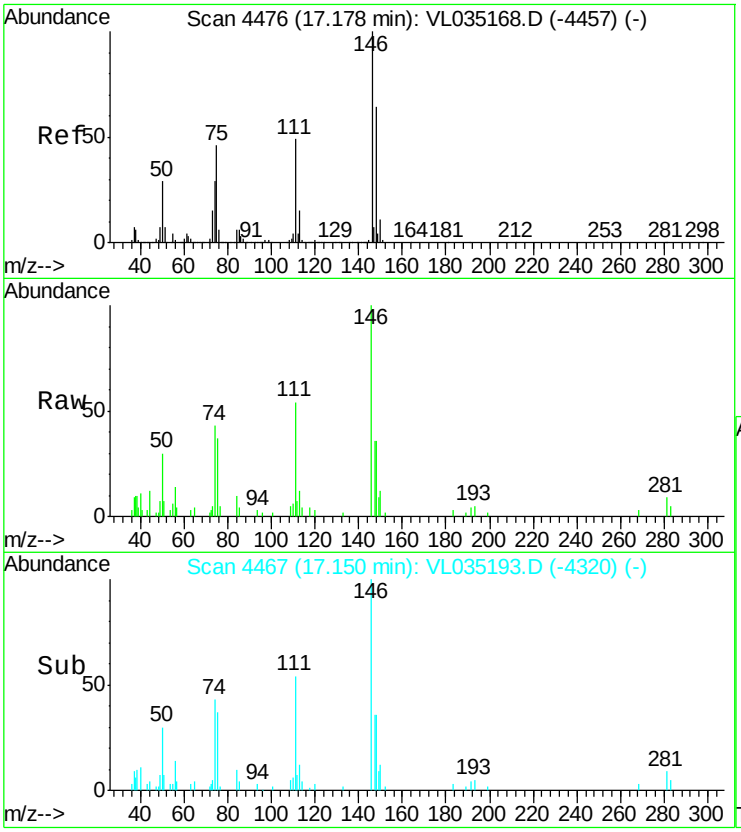


#75
1,3-Dichlorobenzene
Concen: 0.145 ppbv m
RT: 17.01 min Scan# 4425
Delta R.T. -0.03 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion:146 Resp: 28359

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.7	74.1#
148	0.0	32.4	97.0#



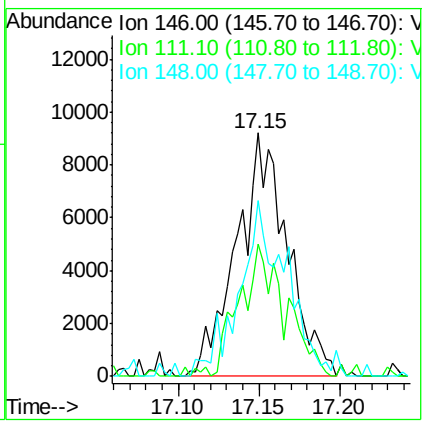


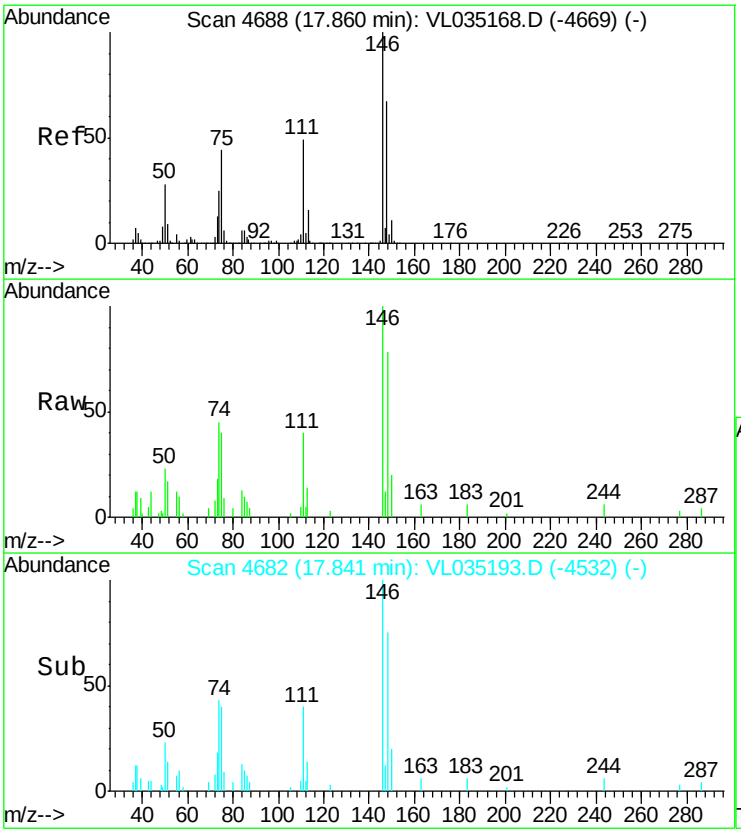
#76
1,4-Dichlorobenzene
Concen: 0.110 ppbv m
RT: 17.15 min Scan# 4467
Delta R.T. -0.03 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

Tgt Ion:146 Resp: 20059

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.8	71.2#
148	0.0	32.3	96.9#

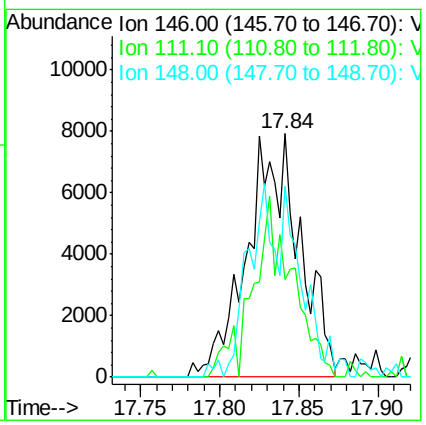


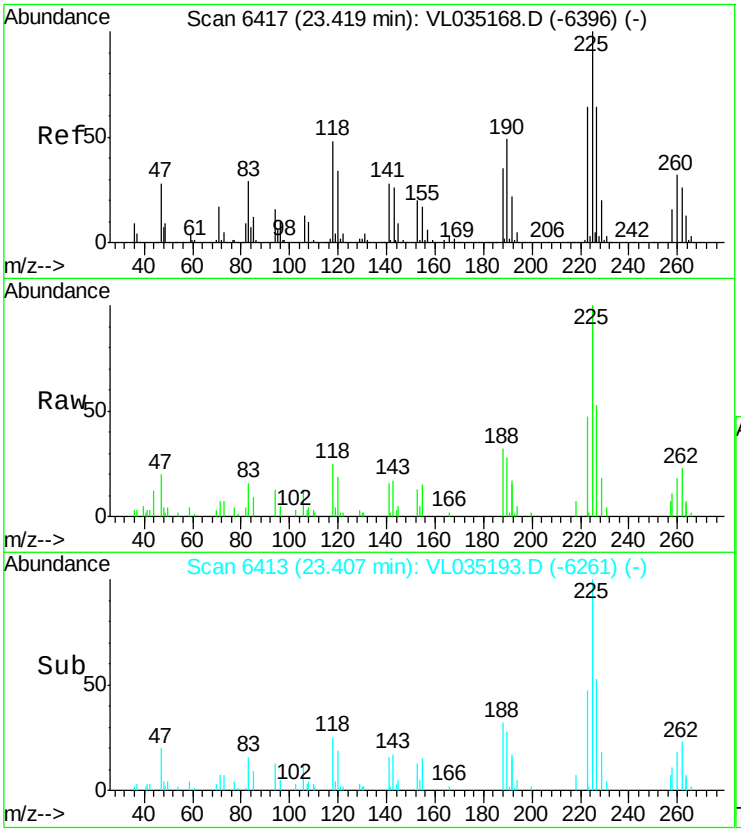


#77
1,2-Dichlorobenzene
Concen: 0.103 ppbv m
RT: 17.84 min Scan# 4682
Delta R.T. -0.02 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion:146 Resp: 18213

Ion	Ratio	Lower	Upper
146	100		
111	0.0	25.1	75.2#
148	0.0	32.4	97.0#





#78
Hexachloro-1,3-Butadiene
Concen: 0.202 ppbv m
RT: 23.41 min Scan# 6413
Delta R.T. -0.01 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

Tgt Ion:225 Resp: 28152

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.2	75.2#
227	0.0	51.2	76.8#