Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032719\
Data File : VL033469.D
Acq On : 27 Mar 2019 15:23
Operator : SY/AP
Sample : K1560-15 0.3 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 28 07:28:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	725041	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	1670954	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	1660800	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1313505	10.09	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	6392	0.060	ppbv		97
3) Chlorodifluoromethane	3.01	51	4595	0.055	ppbv		94
4) Chloromethane	3.17	50	1672	0.038	ppbv		97
5) Vinyl Chloride	3.29	62	906	0.021	ppbv	#	62
6) Bromomethane	3.52	94	809	0.029	ppbv	#	61
7) Chloroethane	3.60	64	340	0.021	ppbv		90
8) Dichlorotetrafluoroethane	3.22	85	5592	0.050	ppbv		85
11) Trichlorofluoromethane	4.00	101	5647	0.043	ppbv		98
13) Ethanol	3.65	45	196	0.022	ppbv	#	18
18) 1,1-Dichloroethene	4.35	96	1394	0.037	ppbv	#	24
19) Isopropyl Alcohol	4.05	45	1321	0.024	ppbv	#	95
20) Methylene Chloride	4.40	84	2852	0.077	ppbv	#	53
21) Allyl Chloride	4.48	41	1685	0.031	ppbv	#	26
24) 1,1-Dichloroethane	5.08	63	2694	0.029	ppbv	#	88
26) Hexane	5.78	57	1810	0.025	ppbv	#	21
27) Carbon Disulfide	4.62	76	1807	0.021	ppbv	#	1
29) Chloroform	5.84	83	4104	0.033	ppbv		91
31) cis-1,2-Dichloroethene	5.64	61	1910	0.027	ppbv	#	46
32) 1,1,1-Trichloroethane	6.61	97	2384	0.020	ppbv	#	27
37) 1,2-Dichloroethane	6.40	62	2531	0.027	ppbv	#	92
39) 1,2-Dichloropropane	7.28	63	448811	8.172	ppbv	#	23
56) 1,1,2,2-Tetrachloroethane	12.27	131	1975	0.026	ppbv	#	47

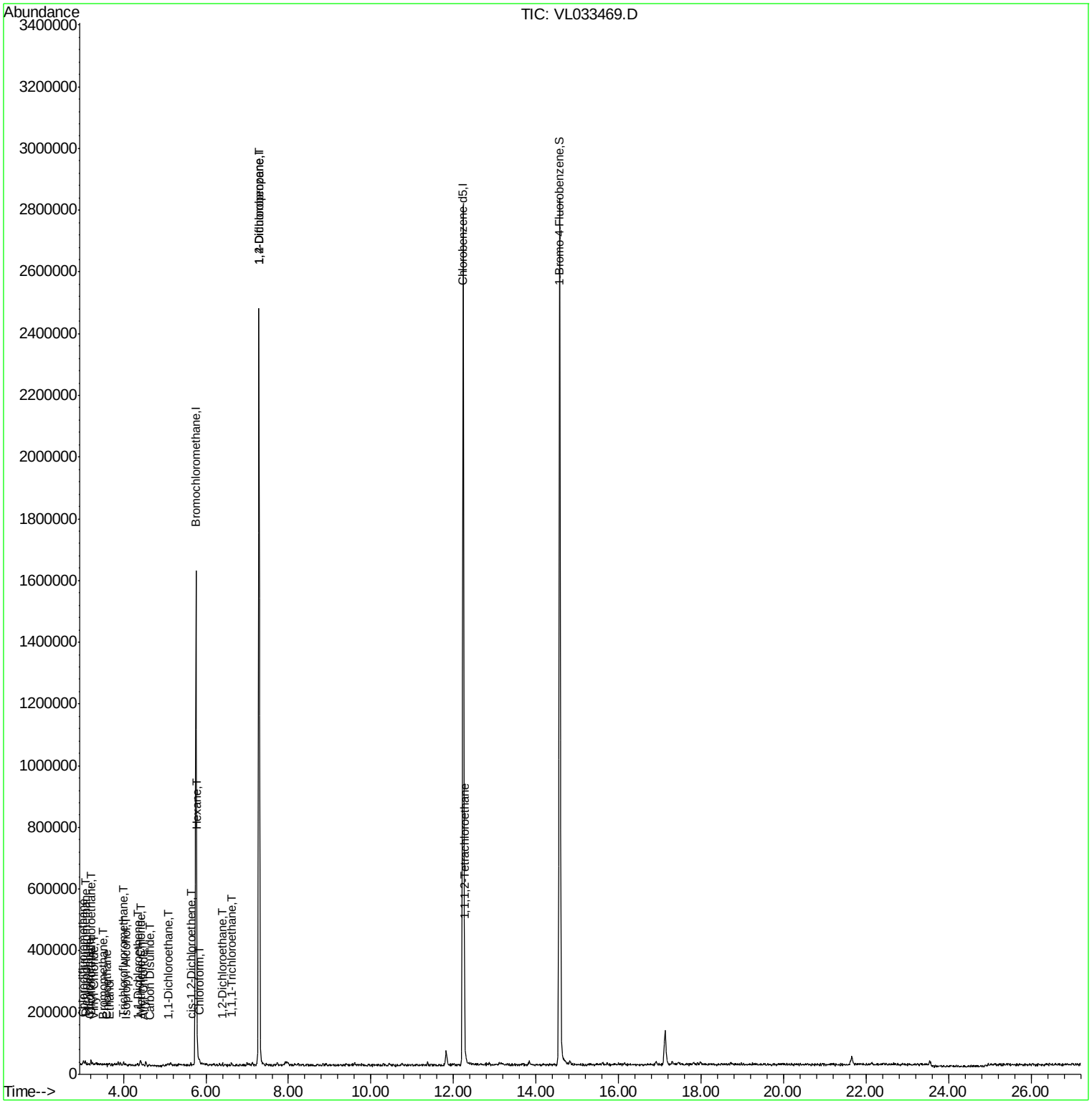
(#) = qualifier out of range (m) = manual integration (+) = signals summed

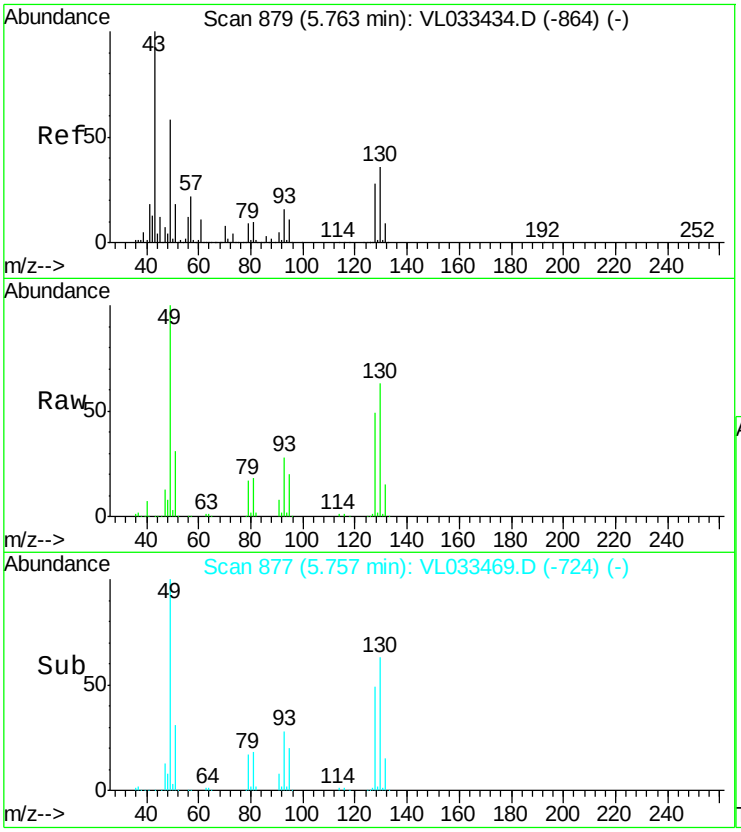
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032719\
Data File : VL033469.D
Acq On : 27 Mar 2019 15:23
Operator : SY/AP
Sample : K1560-15 0.3 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 28 07:28:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration



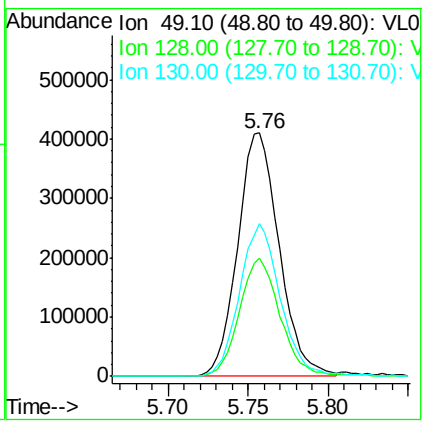


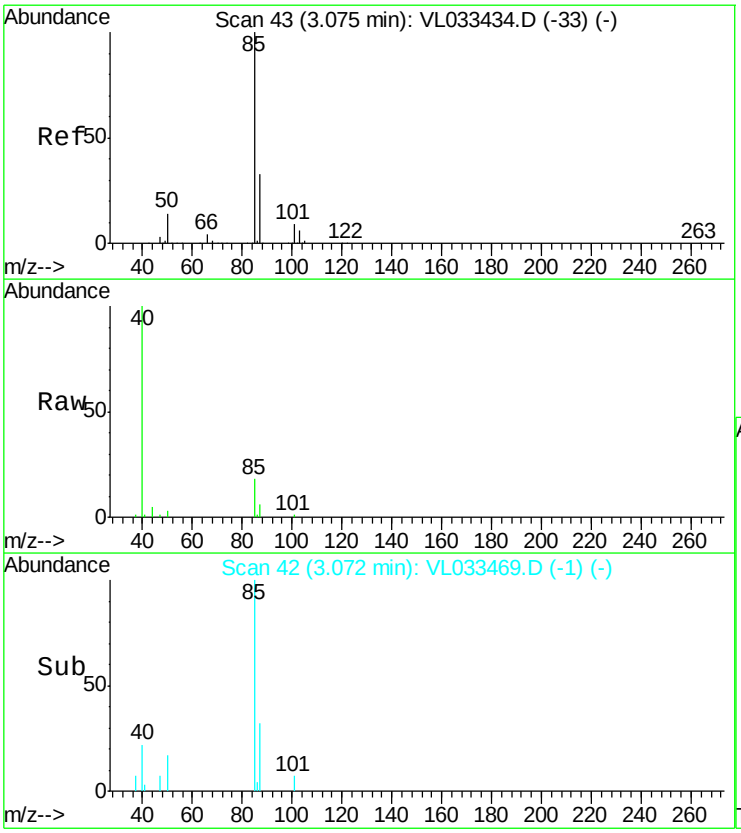
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 725041

Ion	Ratio	Lower	Upper
49	100		
128	48.2	24.0	72.0
130	62.3	31.2	93.6

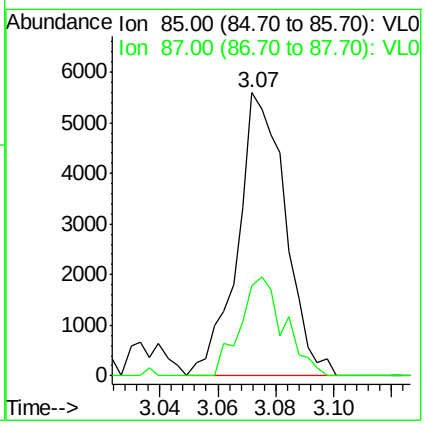


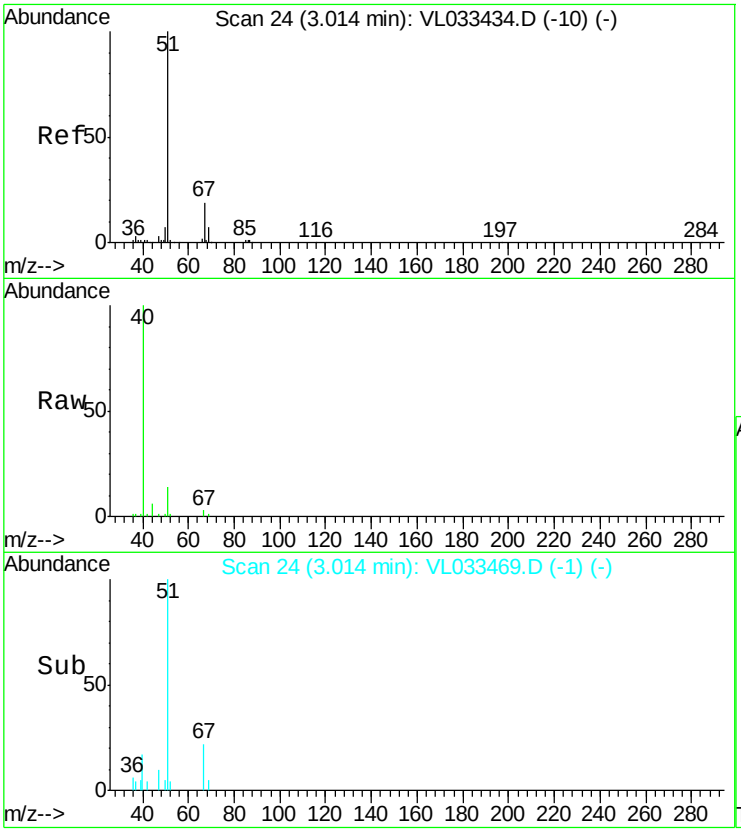


#2
Dichlorodifluoromethane
Concen: 0.060 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Tgt Ion: 85 Resp: 6392

Ion	Ratio	Lower	Upper
85	100		
87	31.7	26.7	40.1

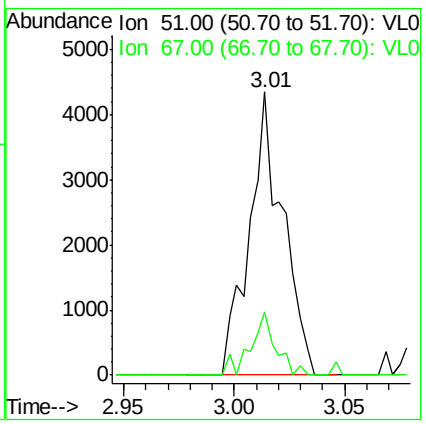




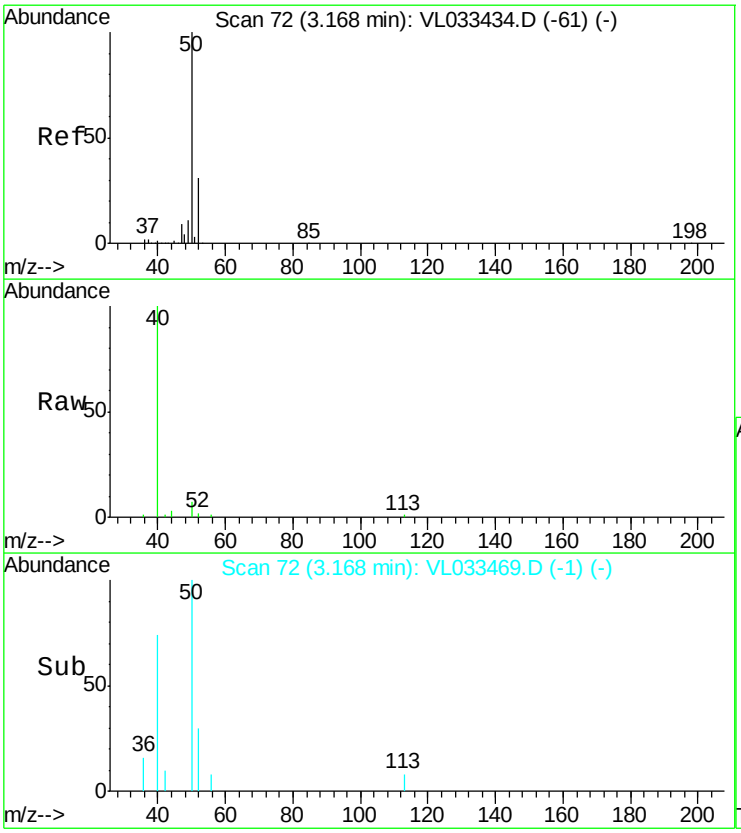
#3
Chlorodifluoromethane
Concen: 0.055 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Tgt Ion: 51 Resp: 4595

Ion	Ratio	Lower	Upper
51	100		
67	16.7	15.7	23.5



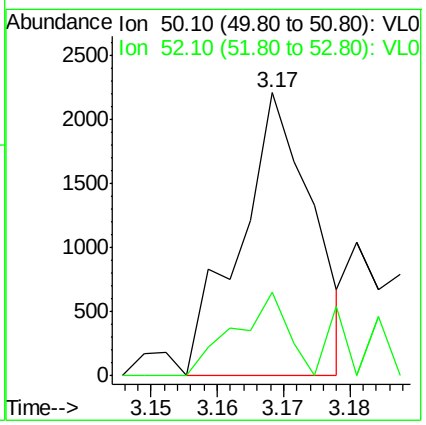
Instrument :
MSVOA_L
ClientSampleId :

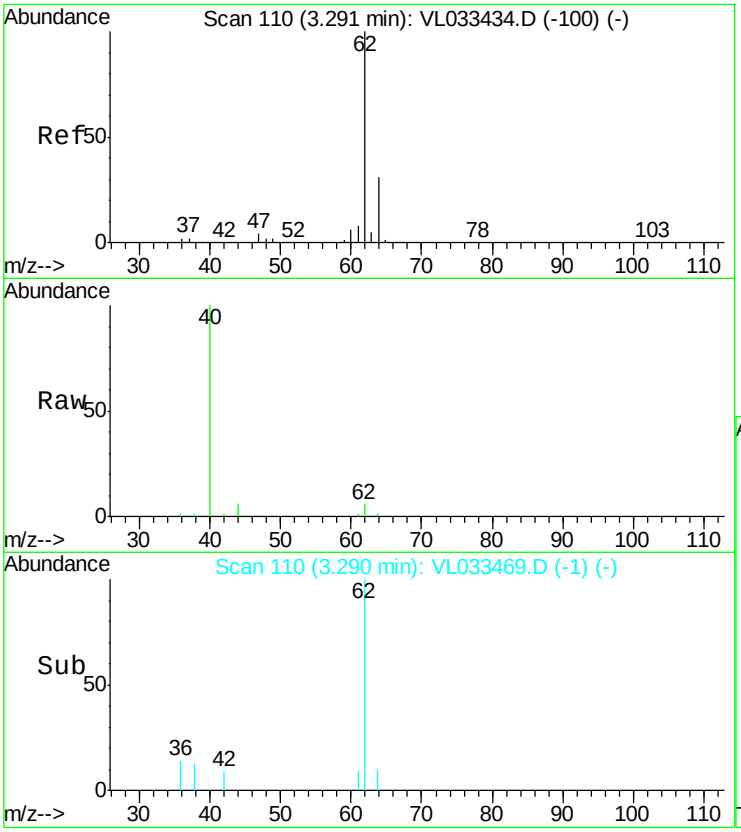


#4
Chloromethane
Concen: 0.038 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Tgt Ion: 50 Resp: 1672

Ion	Ratio	Lower	Upper
50	100		
52	29.5	25.0	37.6



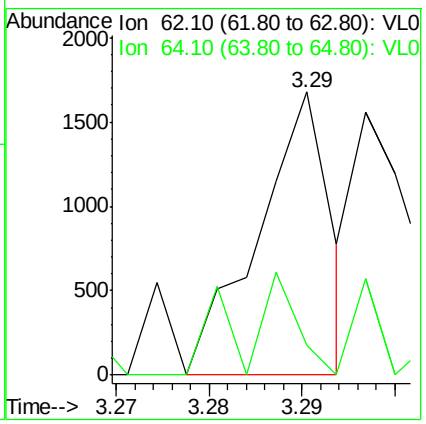


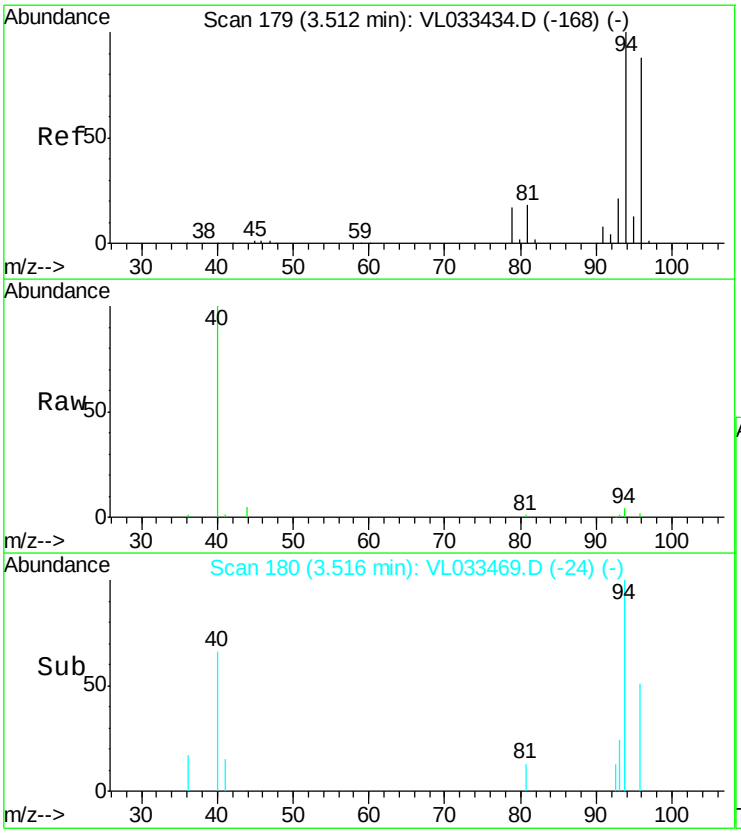
#5
Vinyl Chloride
Concen: 0.021 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 906

Ion	Ratio	Lower	Upper
62	100		
64	10.4	24.9	37.3#

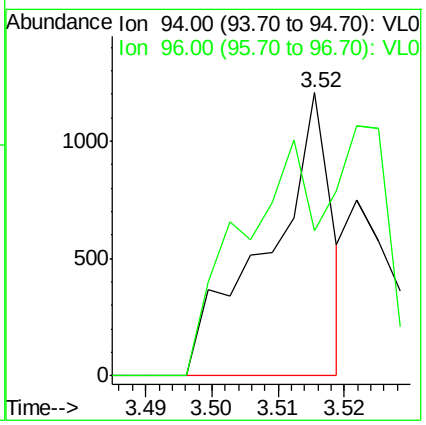


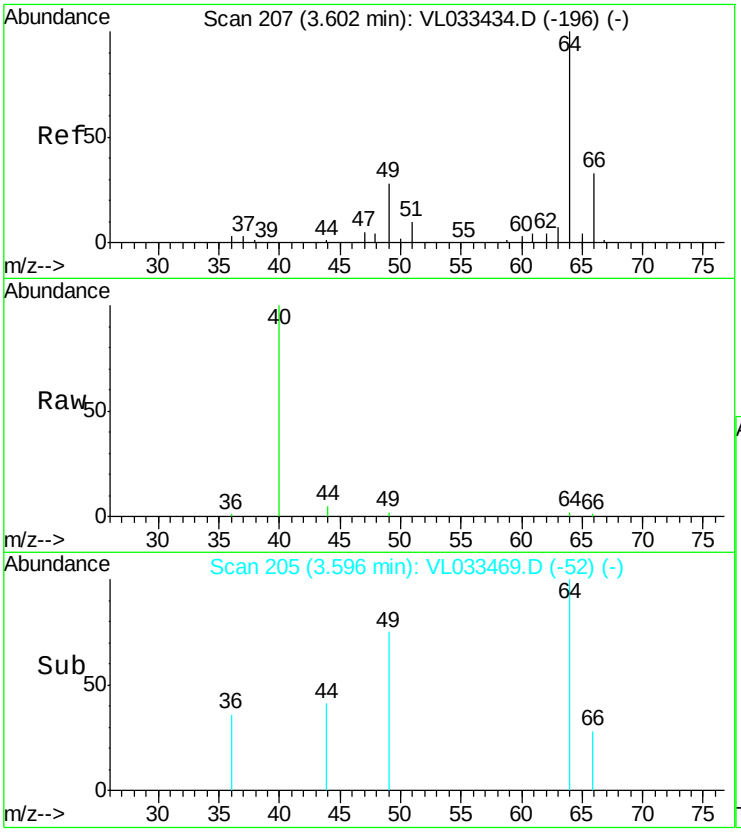


#6
Bromomethane
Concen: 0.029 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Tgt Ion: 94 Resp: 809

Ion	Ratio	Lower	Upper
94	100		
96	51.4	70.2	105.2#



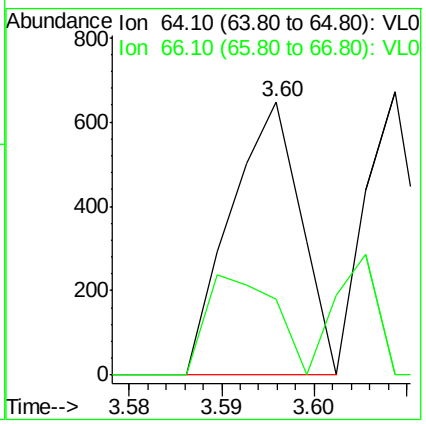


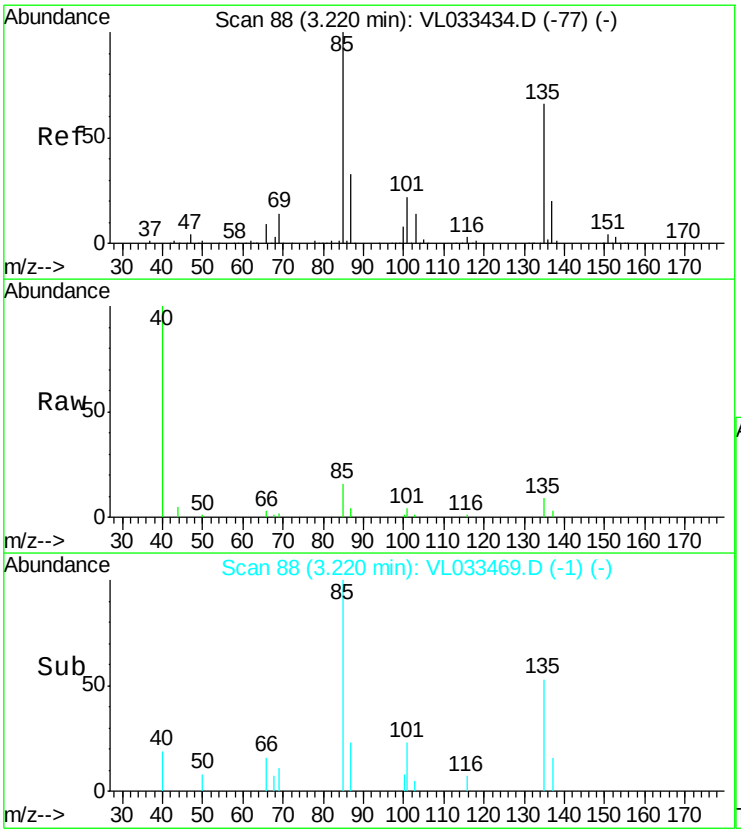
#7
Chloroethane
Concen: 0.021 ppbv
RT: 3.60 min Scan# 205
Delta R.T. -0.01 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 340

Ion	Ratio	Lower	Upper
64	100		
66	27.9	26.7	40.1

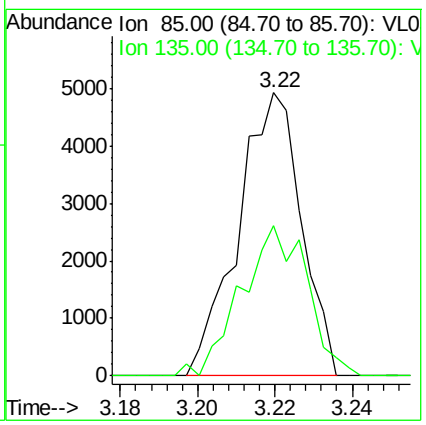


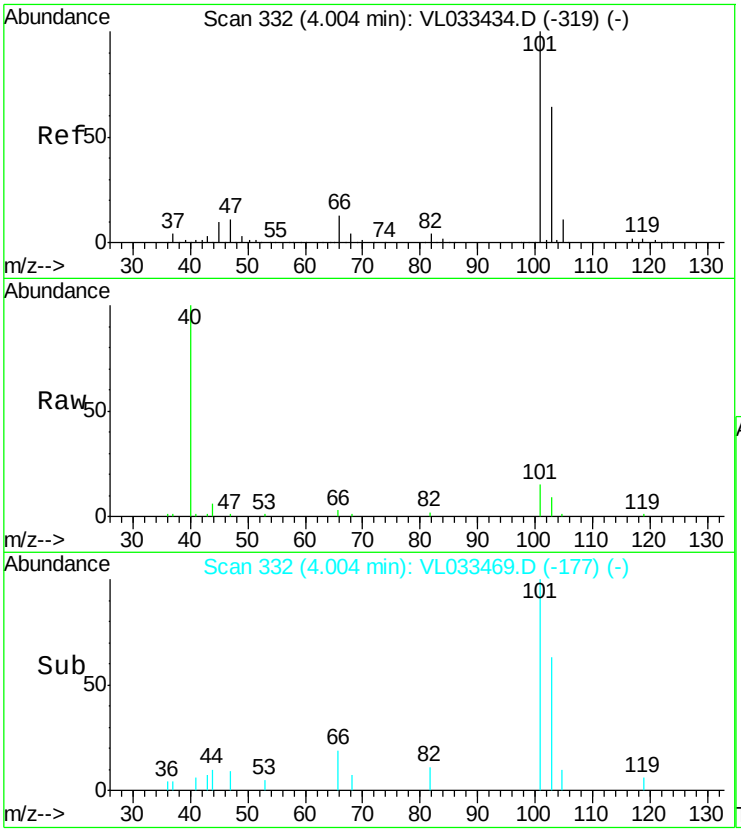


#8
Dichlorotetrafluoroethane
Concen: 0.050 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Tgt Ion: 85 Resp: 5592

Ion	Ratio	Lower	Upper
85	100		
135	55.4	54.0	81.0



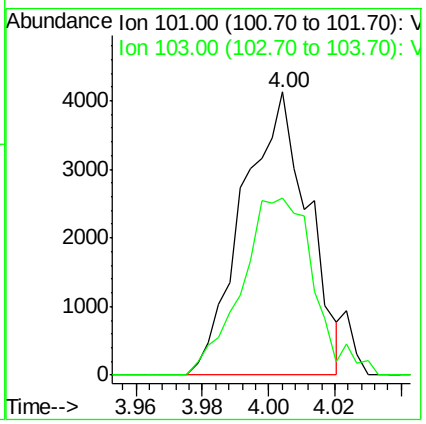


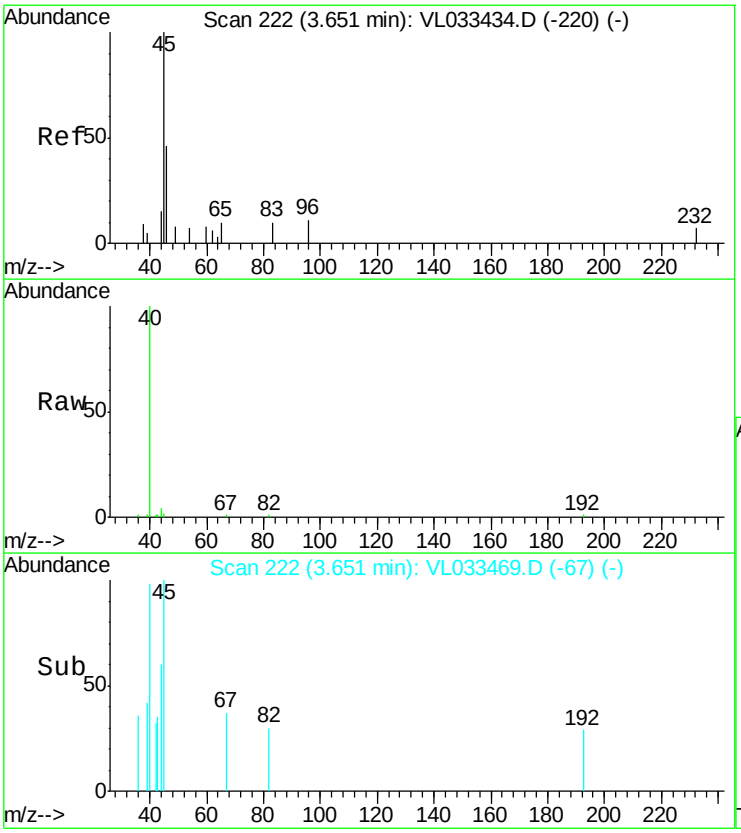
#11
Trichlorofluoromethane
Concen: 0.043 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 5647

Ion	Ratio	Lower	Upper
101	100		
103	62.7	51.3	76.9

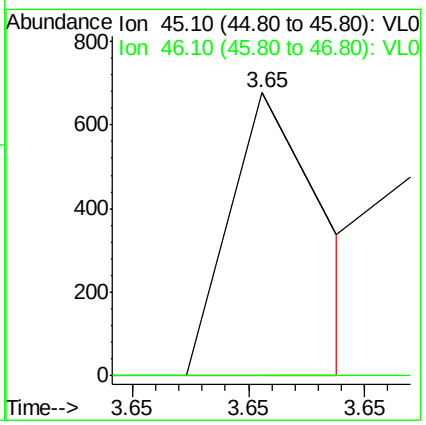


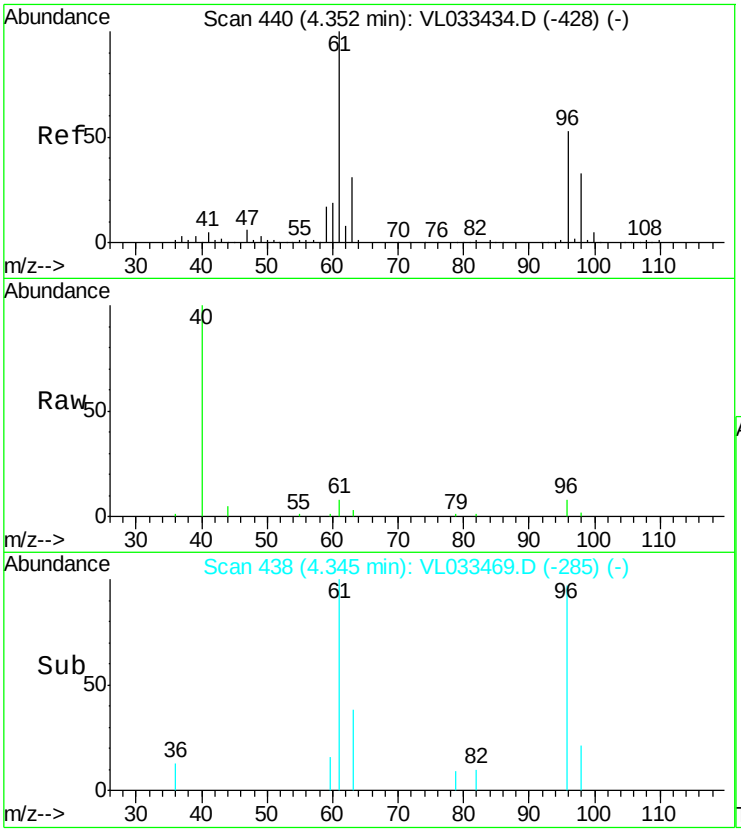


#13
Ethanol
Concen: 0.022 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Tgt Ion: 45 Resp: 196

Ion	Ratio	Lower	Upper
45	100		
46	0.0	25.4	101.8#



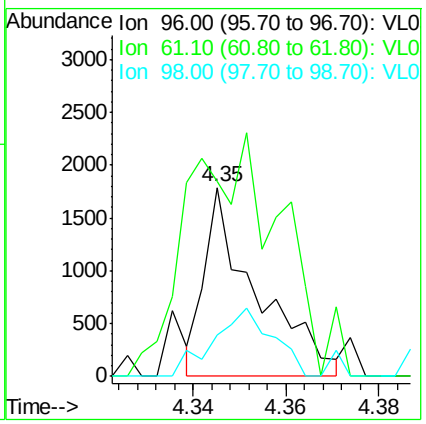


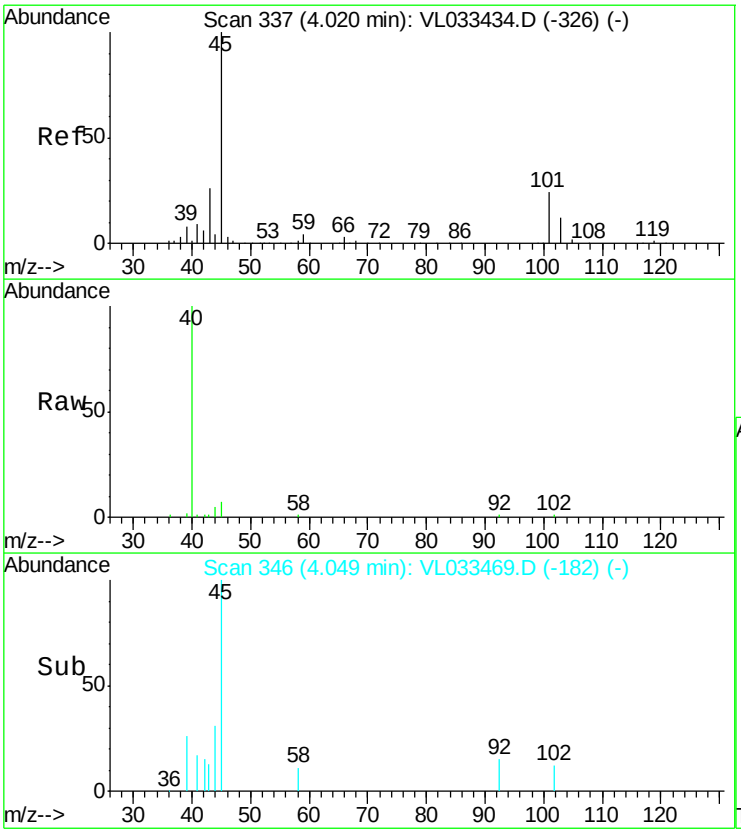
#18
1,1-Dichloroethene
Concen: 0.037 ppbv
RT: 4.35 min Scan# 438
Delta R.T. -0.01 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 96 Resp: 1394

Ion	Ratio	Lower	Upper
96	100		
61	73.2	149.8	224.6#
98	9.5	48.7	73.1#

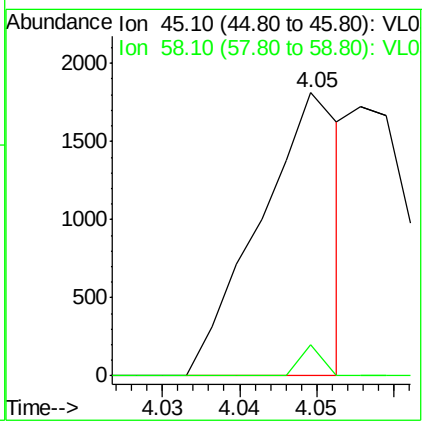


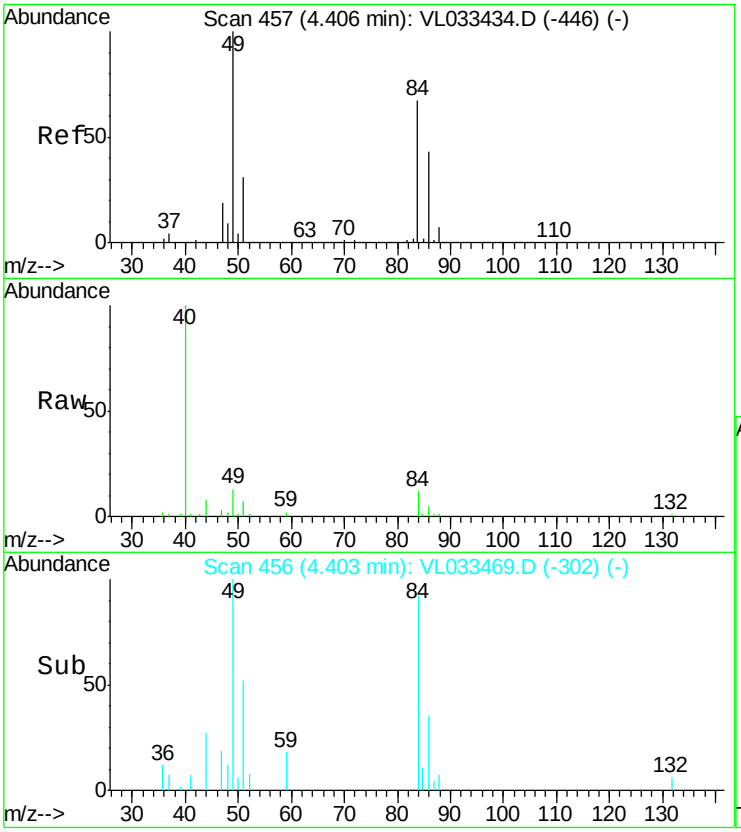


#19
Isopropyl Alcohol
Concen: 0.024 ppbv
RT: 4.05 min Scan# 346
Delta R.T. 0.03 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Tgt Ion: 45 Resp: 1321

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.2#



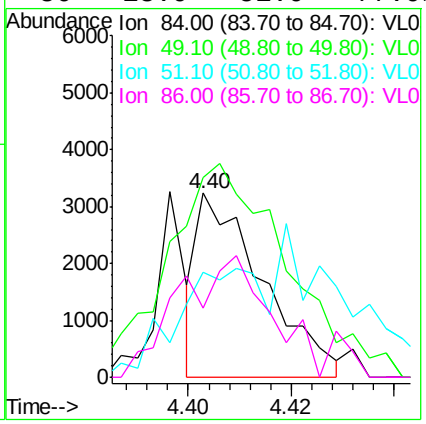


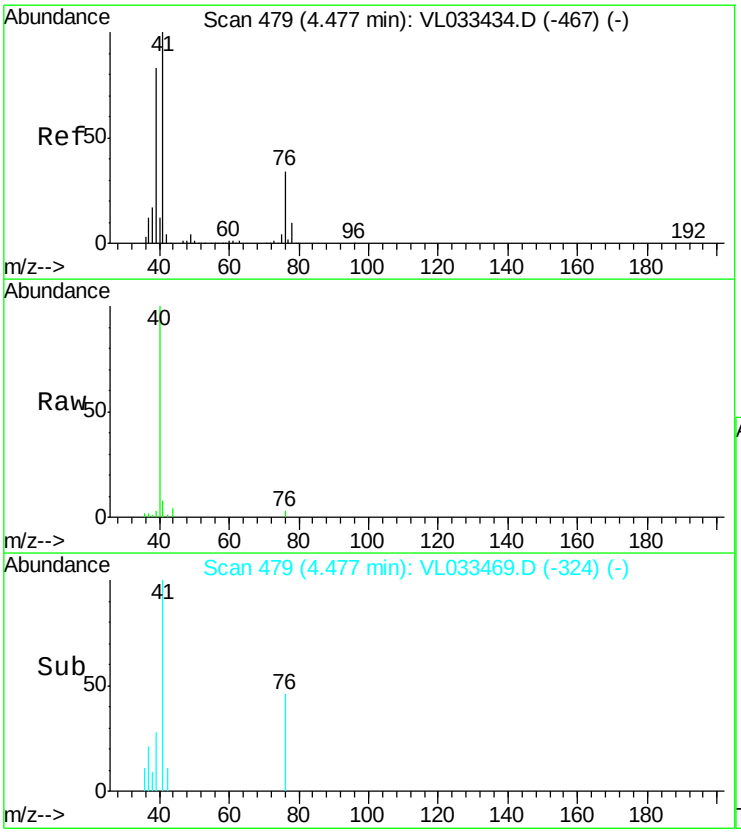
#20
Methylene Chloride
Concen: 0.077 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 2852

Ion	Ratio	Lower	Upper
84	100		
49	98.4	120.0	180.0#
51	18.9	36.7	55.1#
86	13.9	51.9	77.9#

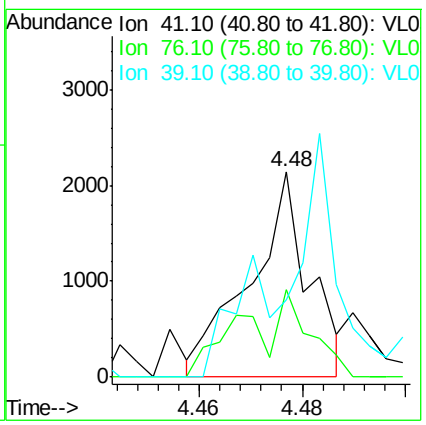


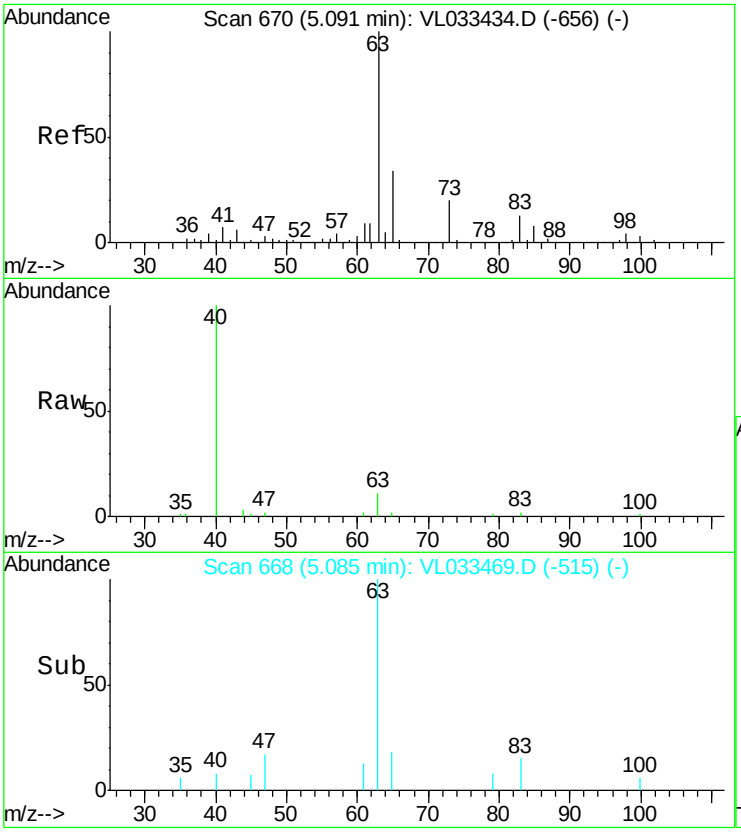


#21
Allyl Chloride
Concen: 0.031 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Tgt Ion: 41 Resp: 1685

Ion	Ratio	Lower	Upper
41	100		
76	47.6	25.4	38.2#
39	0.0	65.3	97.9#



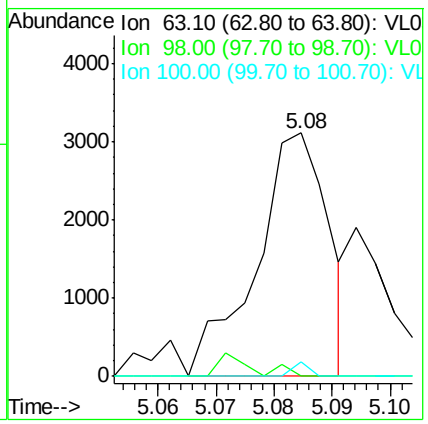


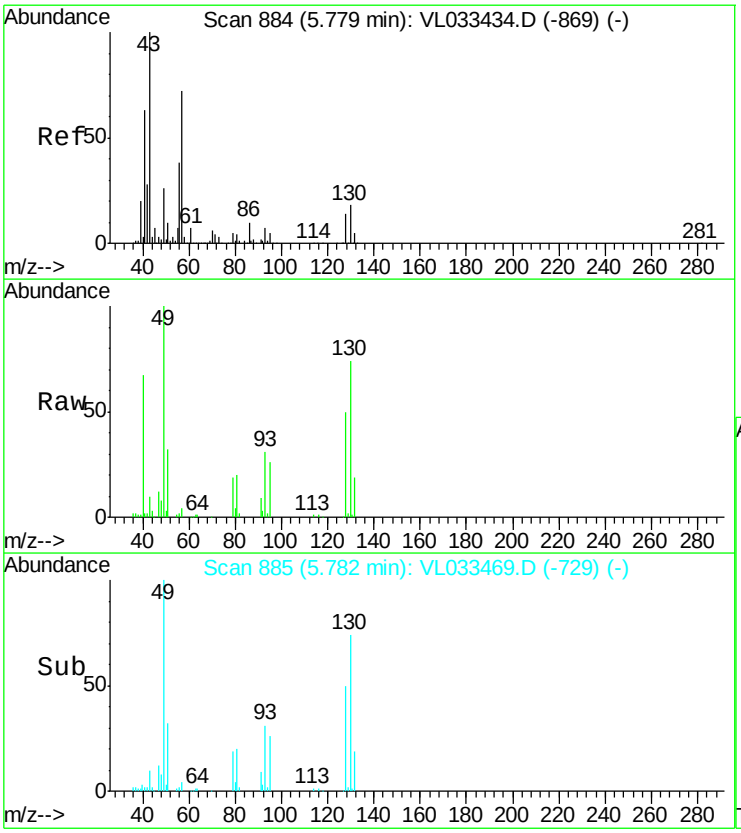
#24
1,1-Dichloroethane
Concen: 0.029 ppbv
RT: 5.08 min Scan# 668
Delta R.T. -0.01 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 2694

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.2	6.6#
100	6.1	1.5	4.4#

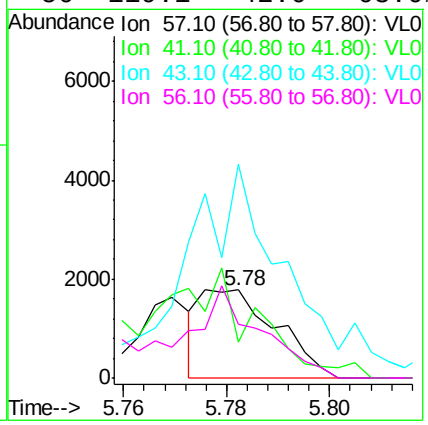


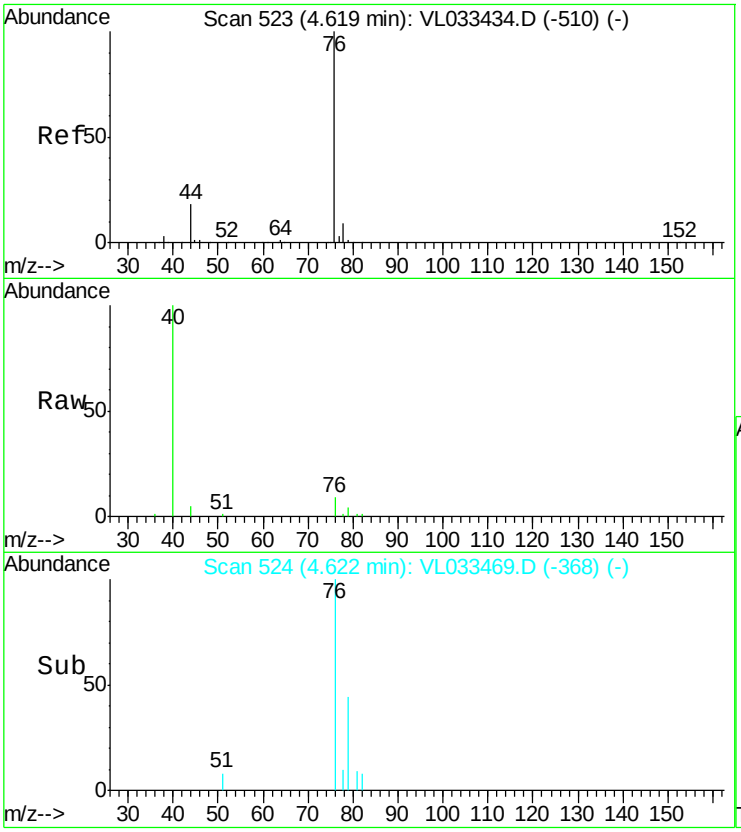


#26
Hexane
Concen: 0.025 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Tgt Ion: 57 Resp: 1810

Ion	Ratio	Lower	Upper
57	100		
41	173.6	70.7	106.1#
43	344.4	182.6	274.0#
56	119.1	42.0	63.0#



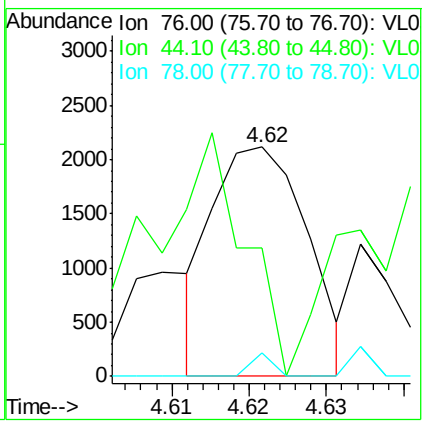


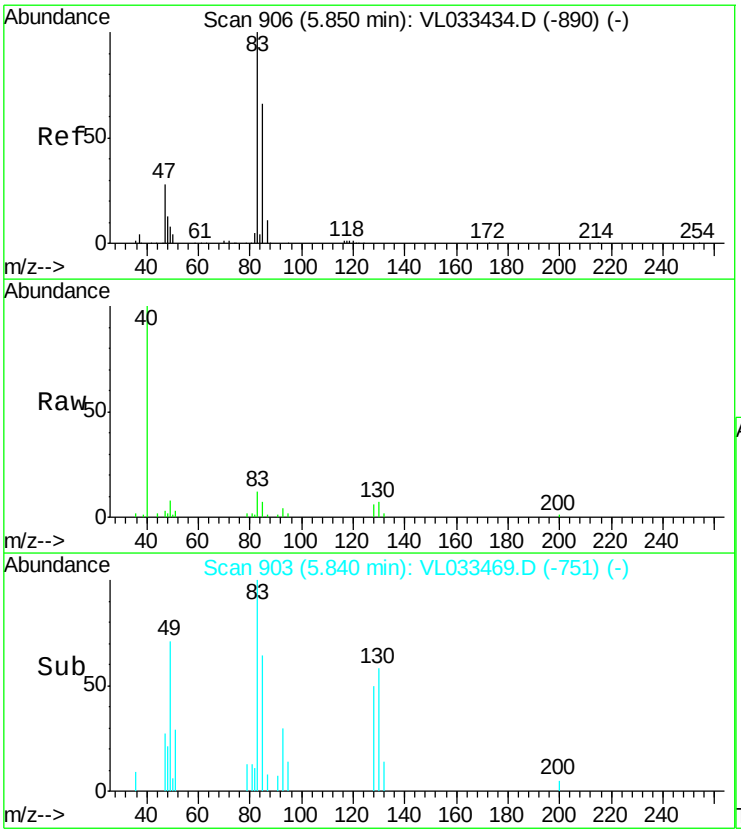
#27
Carbon Disulfide
Concen: 0.021 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1807

Ion	Ratio	Lower	Upper
76	100		
44	234.8	14.8	22.2#
78	0.0	7.6	11.4#

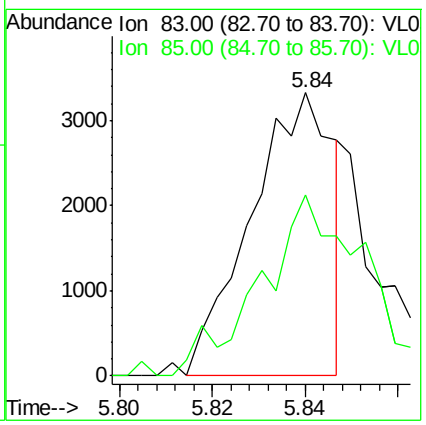


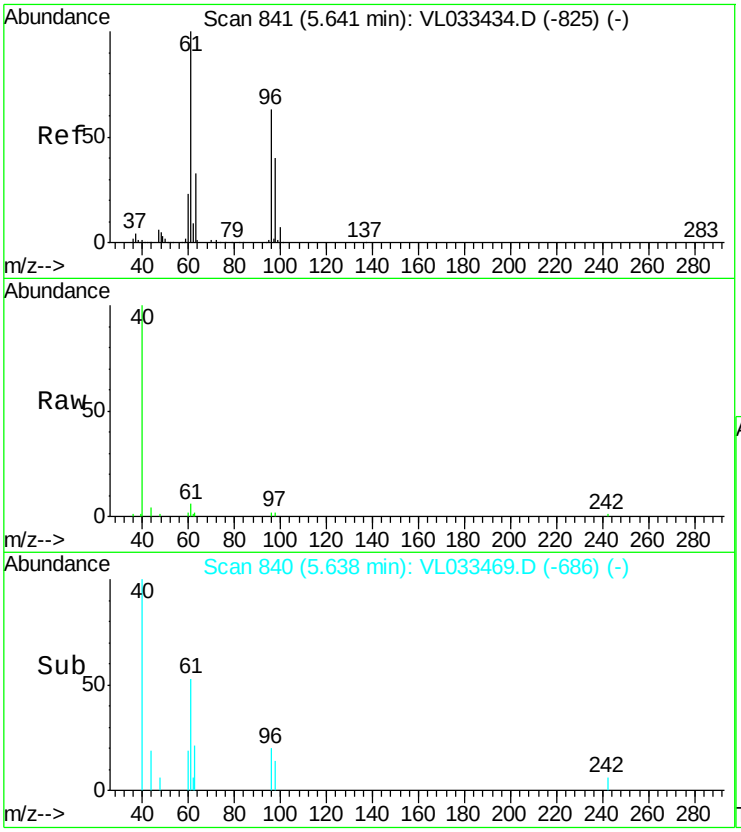


#29
Chloroform
Concen: 0.033 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Tgt Ion: 83 Resp: 4104

Ion	Ratio	Lower	Upper
83	100		
85	58.3	52.6	79.0



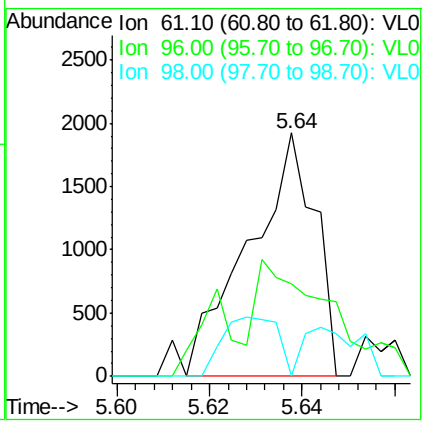


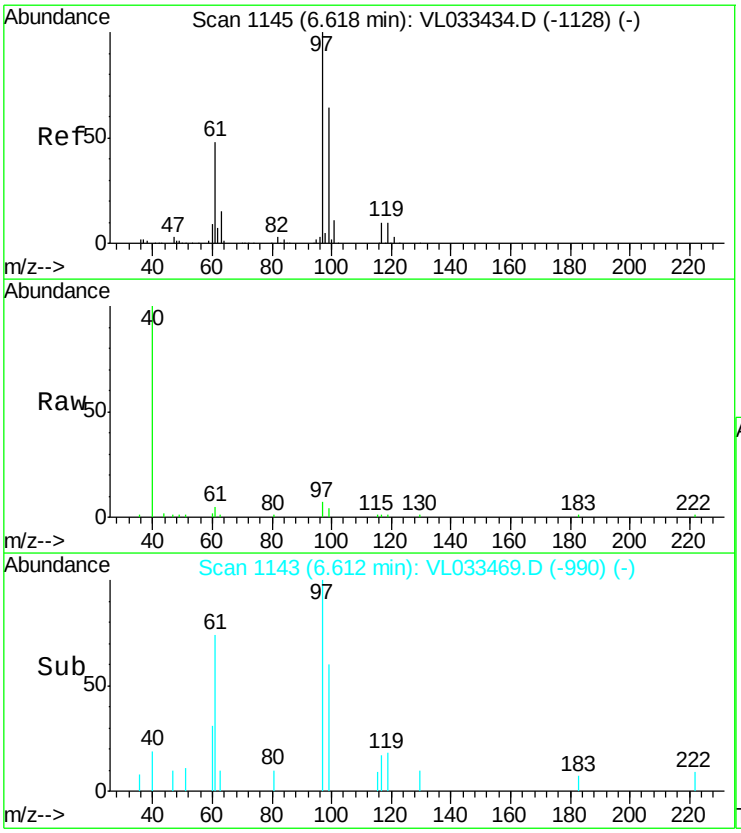
#31
cis-1,2-Dichloroethene
Concen: 0.027 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 1910

Ion	Ratio	Lower	Upper
61	100		
96	27.2	50.6	76.0#
98	0.0	32.2	48.2#

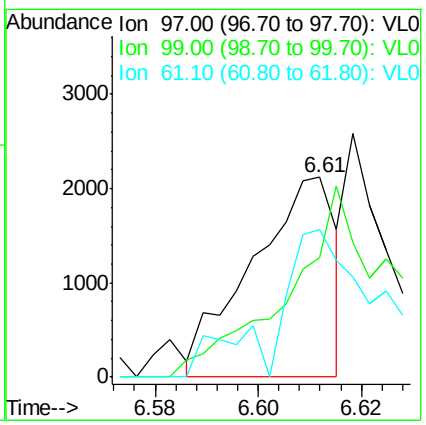


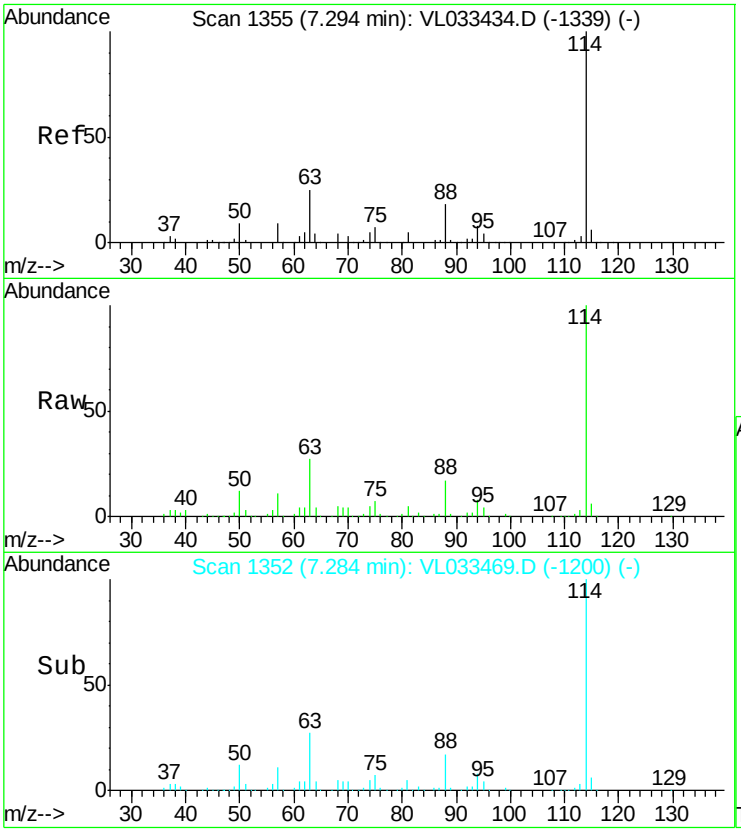


#32
1,1,1-Trichloroethane
Concen: 0.020 ppbv
RT: 6.61 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Tgt Ion: 97 Resp: 2384

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.5	77.3#
61	90.6	38.8	58.2#



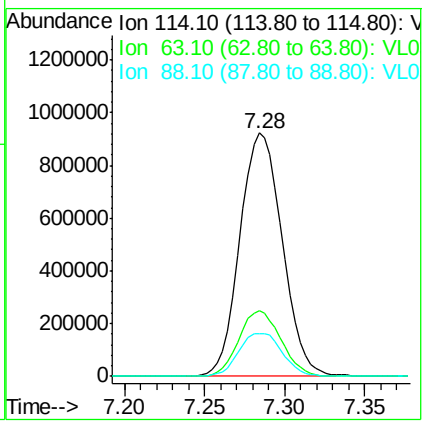


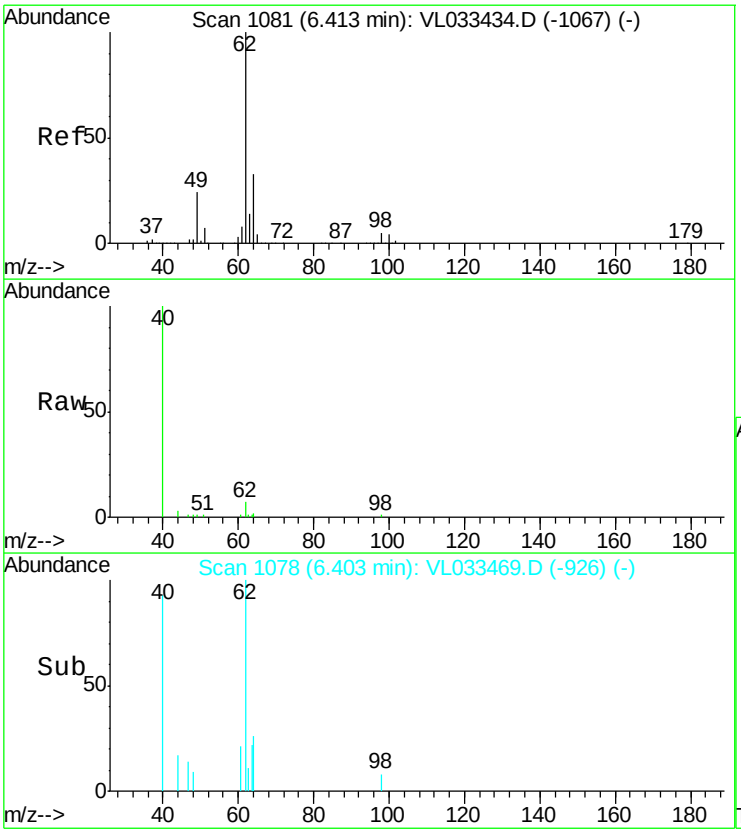
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 1670954

Ion	Ratio	Lower	Upper
114	100		
63	27.0	21.5	32.3
88	18.2	14.5	21.7

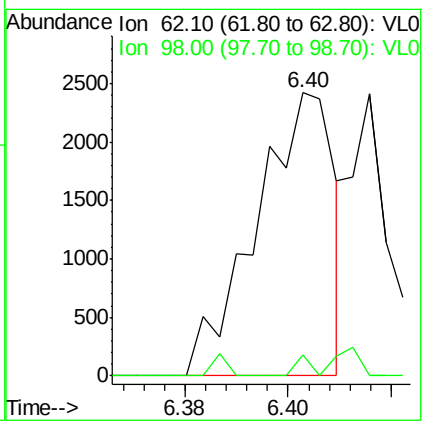


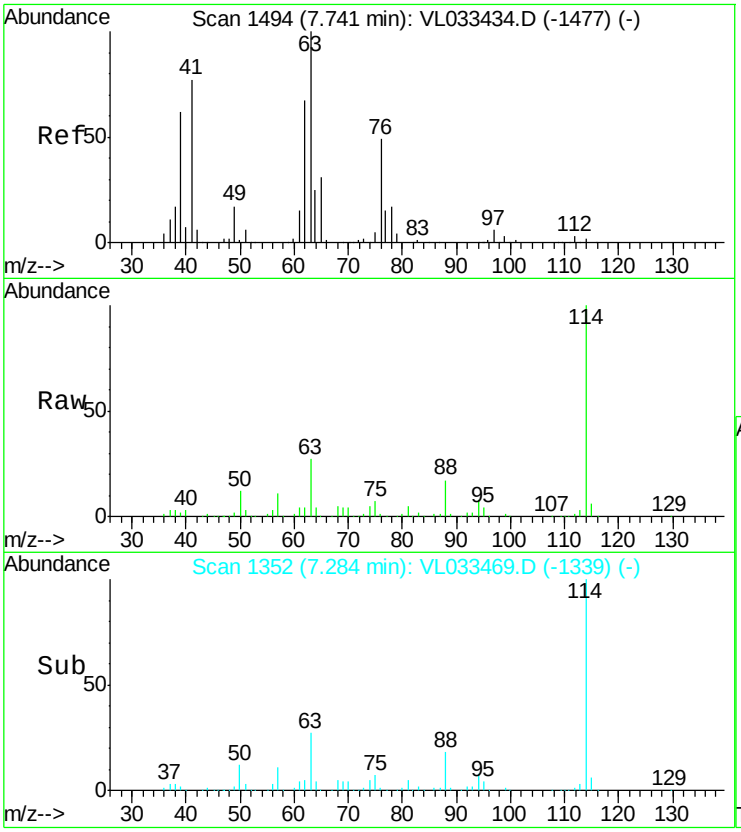


#37
1,2-Dichloroethane
Concen: 0.027 ppbv
RT: 6.40 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Tgt Ion: 62 Resp: 2531

Ion	Ratio	Lower	Upper
62	100		
98	2.8	4.4	6.6#



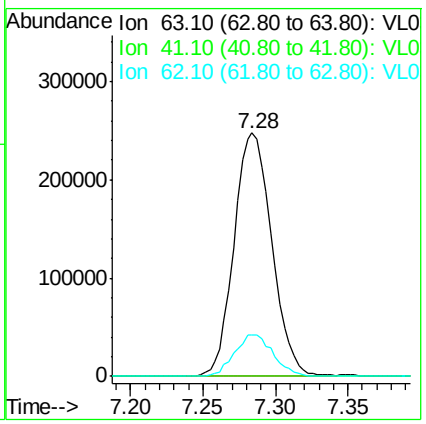


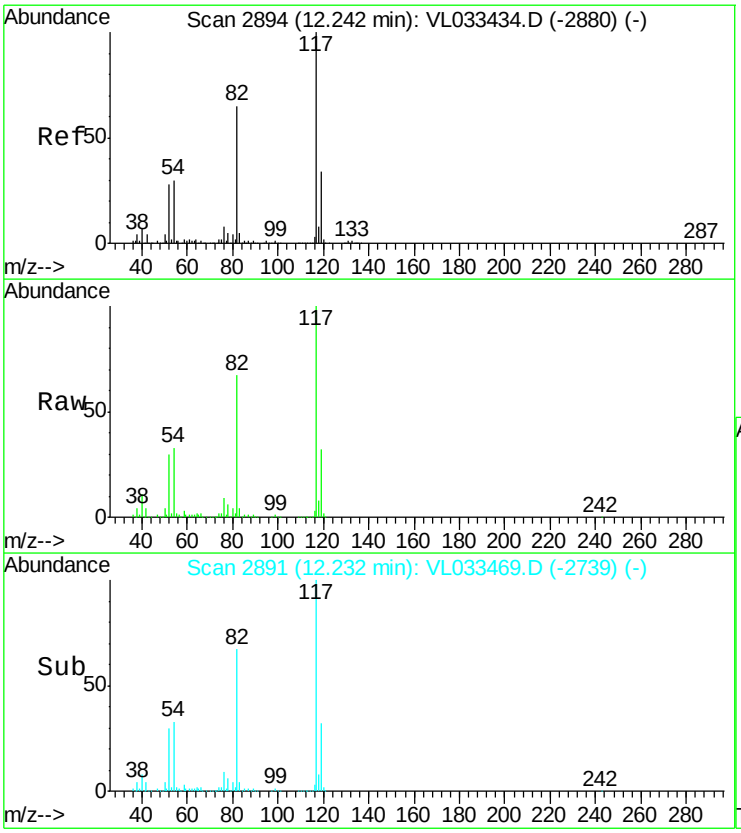
#39
1,2-Dichloropropane
Concen: 8.172 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.46 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 448811

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.2	91.8#
62	16.7	54.0	81.0#

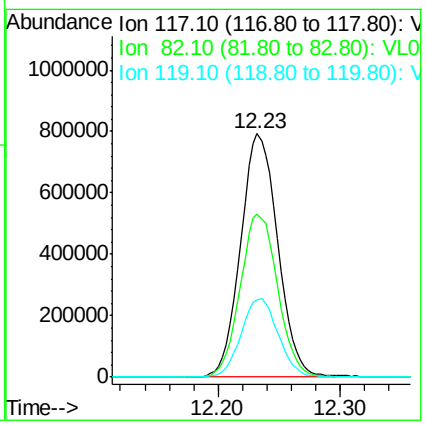


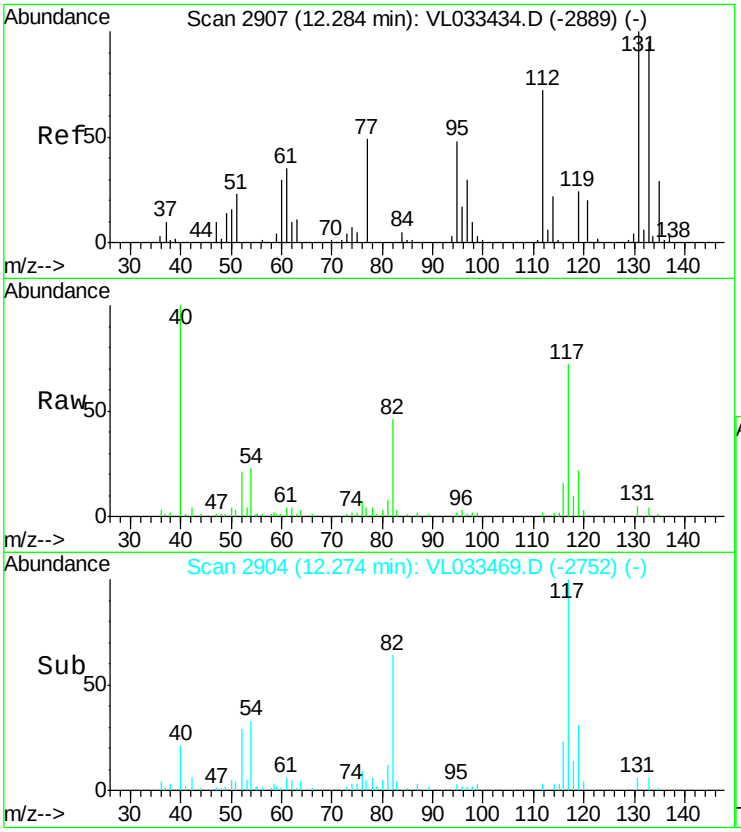


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Tgt Ion:117 Resp: 1660800

Ion	Ratio	Lower	Upper
117	100		
82	68.1	51.5	77.3
119	32.5	25.5	38.3



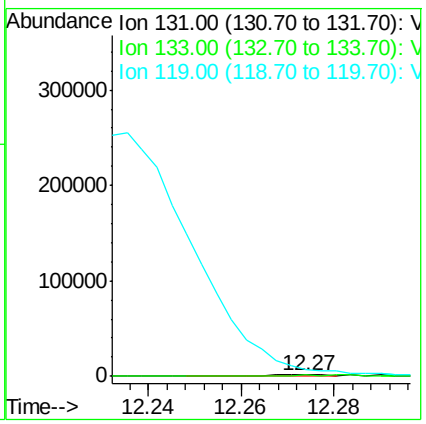


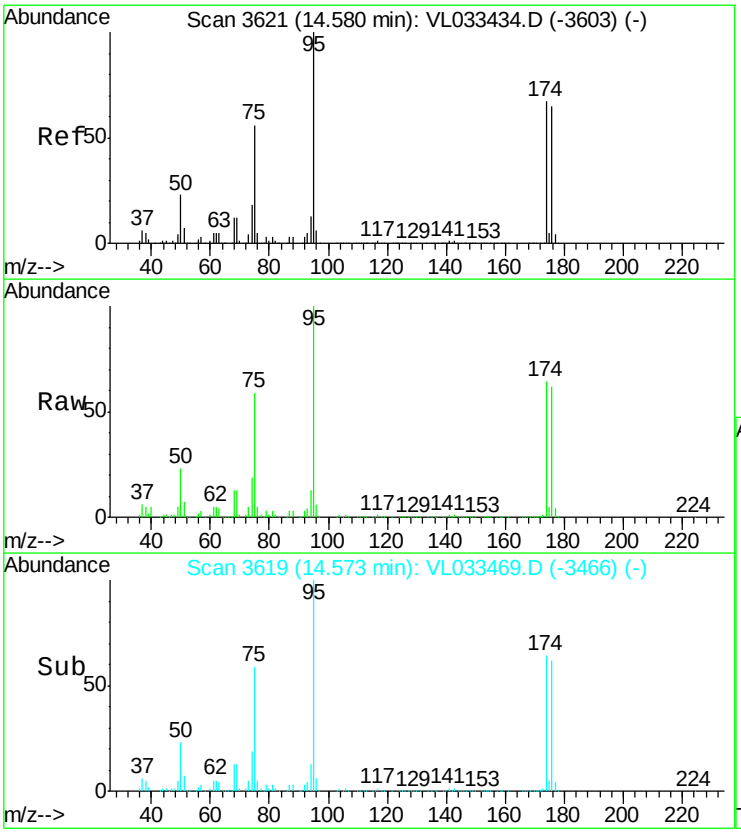
#56
1,1,1,2-Tetrachloroethane
Concen: 0.026 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:131 Resp: 1975

Ion	Ratio	Lower	Upper
131	100		
133	133.6	76.2	114.4#
119	0.0	45.0	67.6#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.088 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033469.D
Acq: 27 Mar 2019 15:23

Tgt Ion: 95 Resp: 1313505

Ion	Ratio	Lower	Upper
95	100		
174	66.3	52.9	79.3
175	4.7	3.8	5.6