Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032119\

Quantitation Report (Not Reviewed)

Data File : VL033428.D
Acq On : 22 Mar 2019 10:32
Operator : SY/AP
Sample : VIBLK
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VIBLK

Quant Time: Mar 23 02:28:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	757926	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1701087	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	1701750	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1311602	10.40	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.00%				
Target Compounds							Qvalue
4) Chloromethane	3.17	50	2140	0.045	ppbv		95
5) Vinyl Chloride	3.29	62	2946	0.061	ppbv		95
6) Bromomethane	3.52	94	1333	0.046	ppbv	#	52
7) Chloroethane	3.61	64	669	0.039	ppbv		99
8) Dichlorotetrafluoroethane	3.23	85	7589	0.067	ppbv		93
9) Propene	3.04	41	3634	0.094	ppbv	#	81
11) Trichlorofluoromethane	4.00	101	4422	0.033	ppbv		91
12) 1,1,2-Trichlorotrifluoroet	4.55	101	6737	0.077	ppbv		97
13) Ethanol	3.67	45	3140	0.170	ppbv		86
14) Bromoethene	3.80	108	2079	0.057	ppbv	#	92
15) Acetone	3.92	43	43663	0.371	ppbv		95
16) 1,3-Butadiene	3.36	39	2425	0.063	ppbv		94
20) Methylene Chloride	4.41	84	14192	0.369	ppbv	#	92
21) Allyl Chloride	4.48	41	3672	0.064	ppbv	#	82
22) trans-1,2-Dichloroethene	4.96	96	1555	0.040	ppbv	#	55
26) Hexane	5.78	57	9956	0.130	ppbv	#	67
27) Carbon Disulfide	4.62	76	2784	0.032	ppbv	#	1
28) Methyl tert-Butyl Ether	5.14	73	5002	0.044	ppbv	#	86
29) Chloroform	5.85	83	6850	0.055	ppbv		84
32) 1,1,1-Trichloroethane	6.62	97	4492	0.036	ppbv	#	25
35) Carbon Tetrachloride	7.14	117	5024	0.042	ppbv	#	65
36) Benzene	7.01	78	6262	0.041	ppbv	#	71
38) Trichloroethene	7.96	130	1899	0.033	ppbv	#	59
39) 1,2-Dichloropropane	7.29	63	456815	8.013	ppbv	#	24
42) Bromodichloromethane	7.92	83	6173	0.048	ppbv		92
50) 4-Methyl-2-Pentanone	8.90	43	7727	0.049	ppbv	#	68
52) Tetrachloroethene	11.38	164	4879	0.077	ppbv	#	79
53) Toluene	9.95	91	7016	0.041	ppbv	#	77
57) Chlorobenzene	12.30	112	7630	0.057	ppbv	#	65
77) 1,2-Dichlorobenzene	18.00	146	4557	0.035	ppbv	#	46
78) Hexachloro-1,3-Butadiene	23.54	225	3049	0.039	ppbv	#	19
80) Naphthalene,2-methyl-	25.13	142	8251	0.076	ppbv		93

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

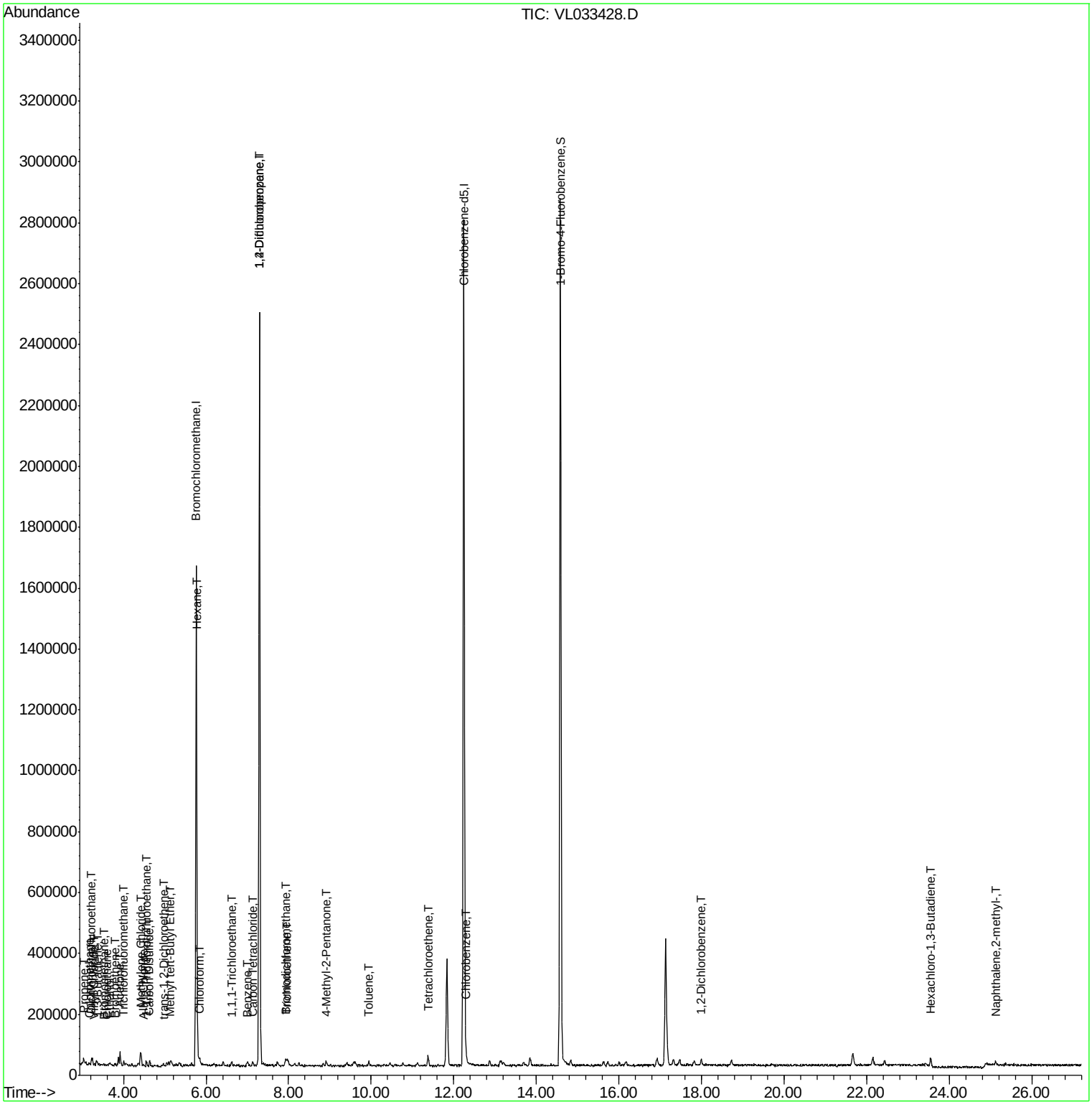
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032119\

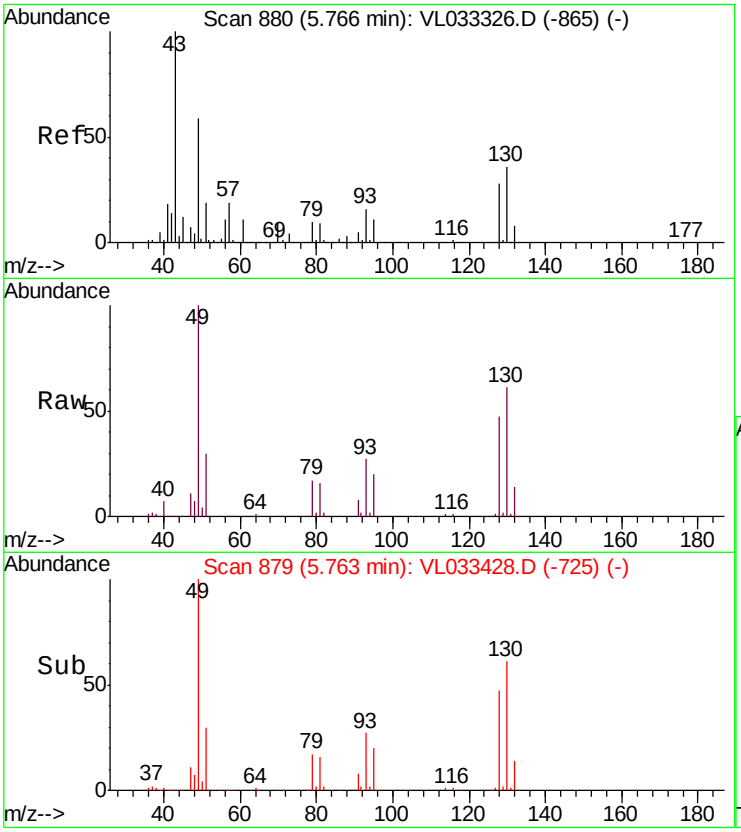
Quantitation Report (Not Reviewed)

Data File : VL033428.D
Acq On : 22 Mar 2019 10:32
Operator : SY/AP
Sample : VIBLK
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VIBLK

Quant Time: Mar 23 02:28:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration



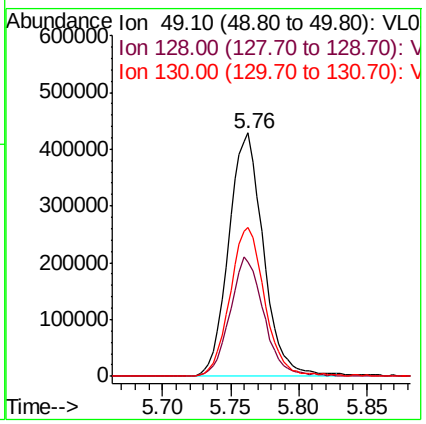


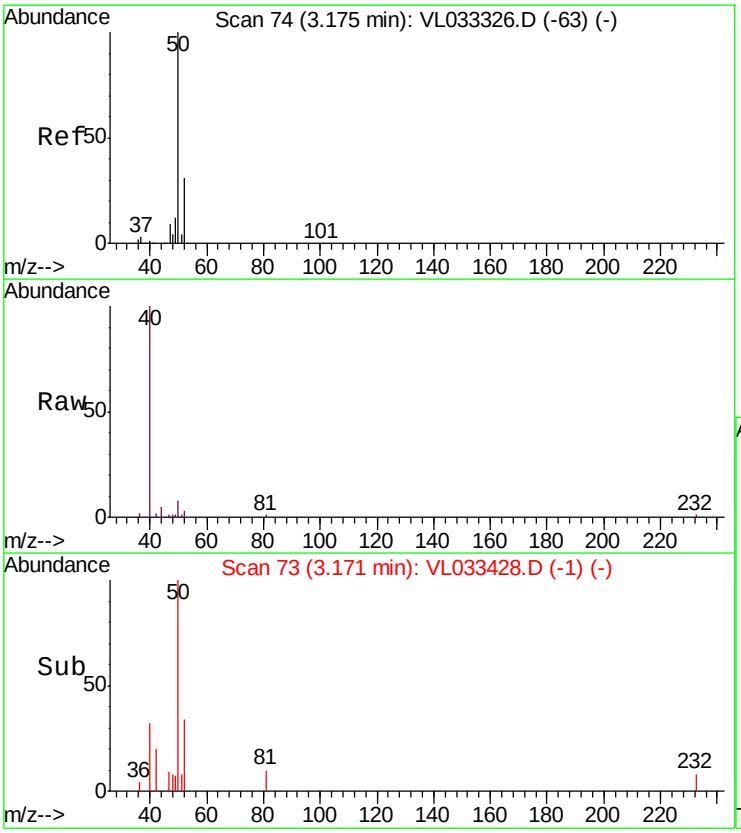
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 49 Resp: 757926

Ion	Ratio	Lower	Upper
49	100		
128	47.7	23.5	70.6
130	61.7	30.1	90.3

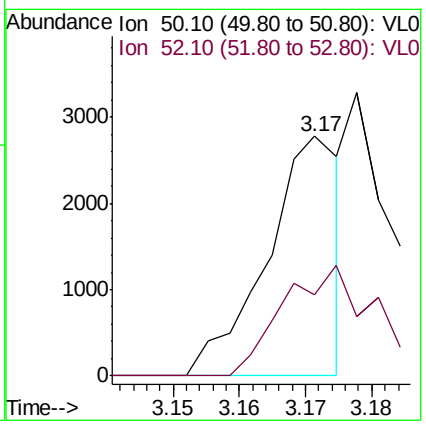


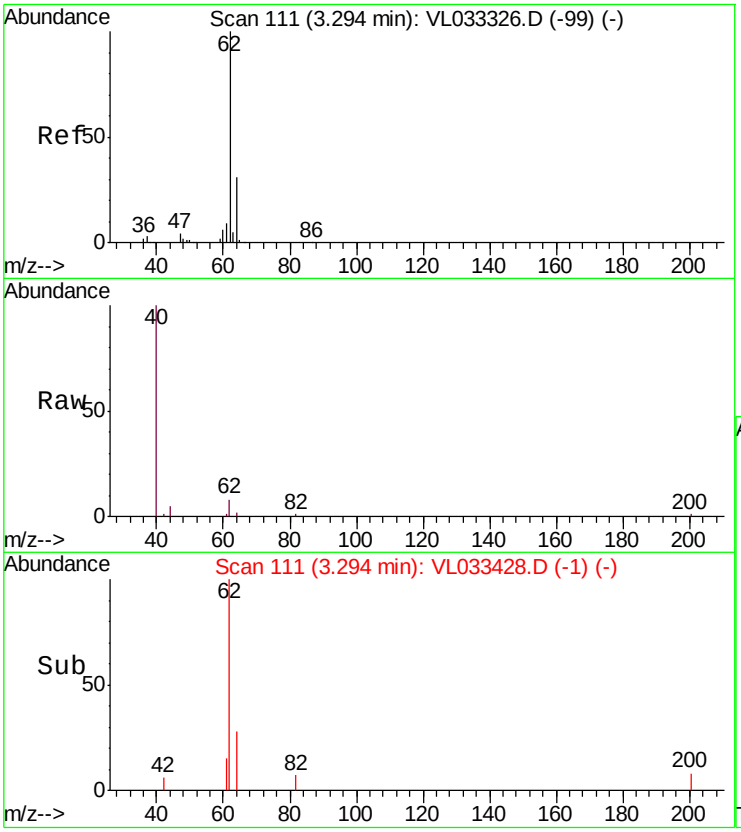


#4
Chloromethane
Concen: 0.045 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Tgt Ion: 50 Resp: 2140

Ion	Ratio	Lower	Upper
50	100		
52	33.8	25.0	37.6



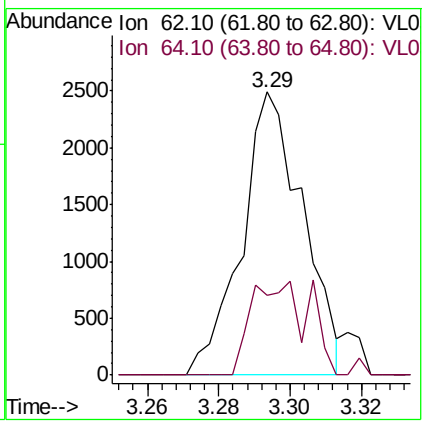


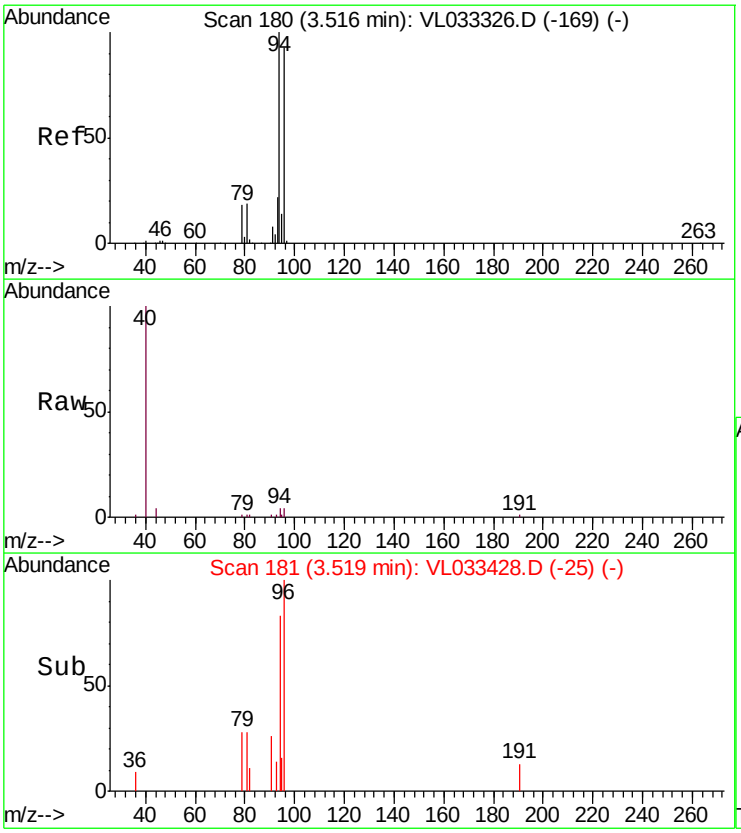
#5
Vinyl Chloride
Concen: 0.061 ppbv
RT: 3.29 min Scan# 111
Delta R.T. -0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VIBLK

Tgt Ion: 62 Resp: 2946

Ion	Ratio	Lower	Upper
62	100		
64	28.4	25.0	37.6

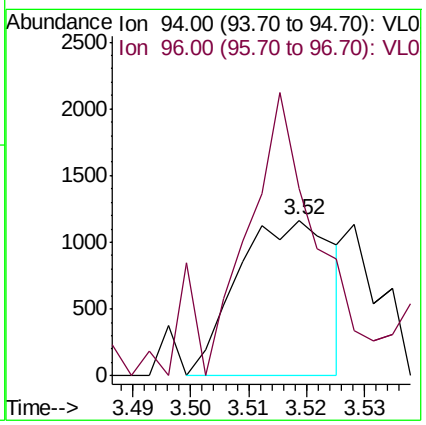


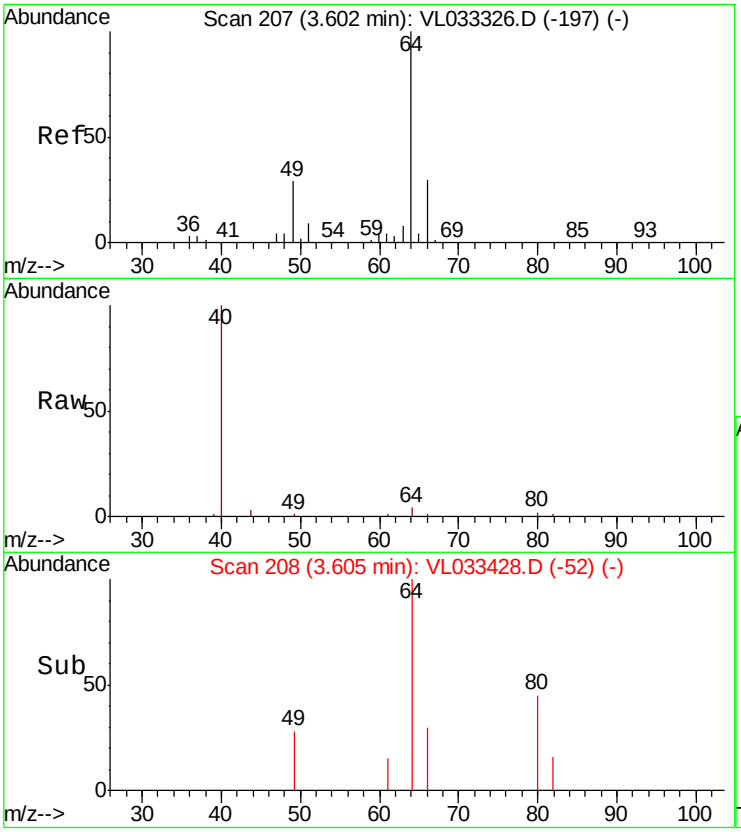


#6
Bromomethane
Concen: 0.046 ppbv
RT: 3.52 min Scan# 181
Delta R.T. 0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Tgt Ion: 94 Resp: 1333

Ion	Ratio	Lower	Upper
94	100		
96	47.2	74.6	111.8#



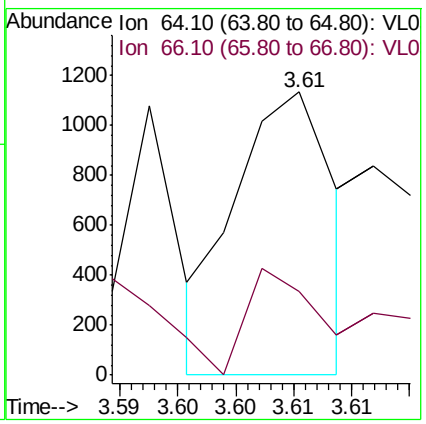


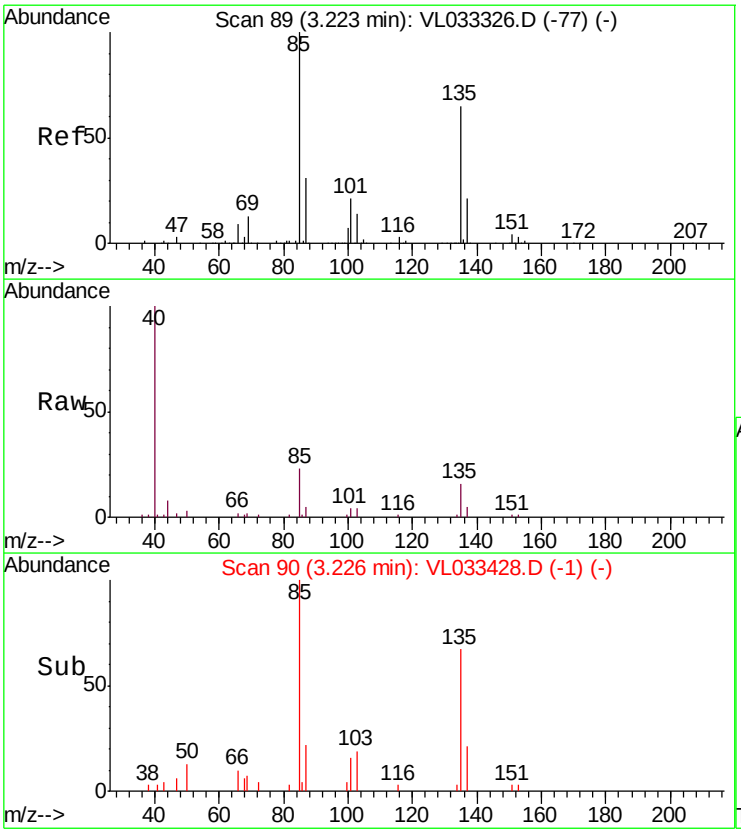
#7
Chloroethane
Concen: 0.039 ppbv
RT: 3.61 min Scan# 208
Delta R.T. 0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 64 Resp: 669

Ion	Ratio	Lower	Upper
64	100		
66	29.5	24.0	36.0

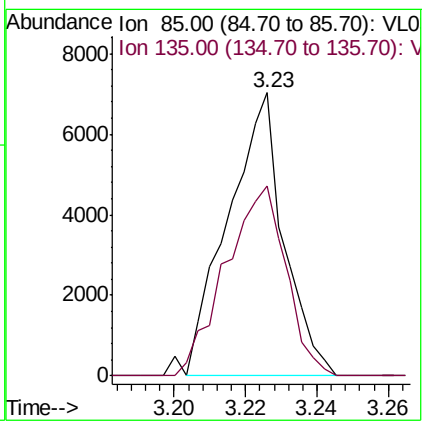


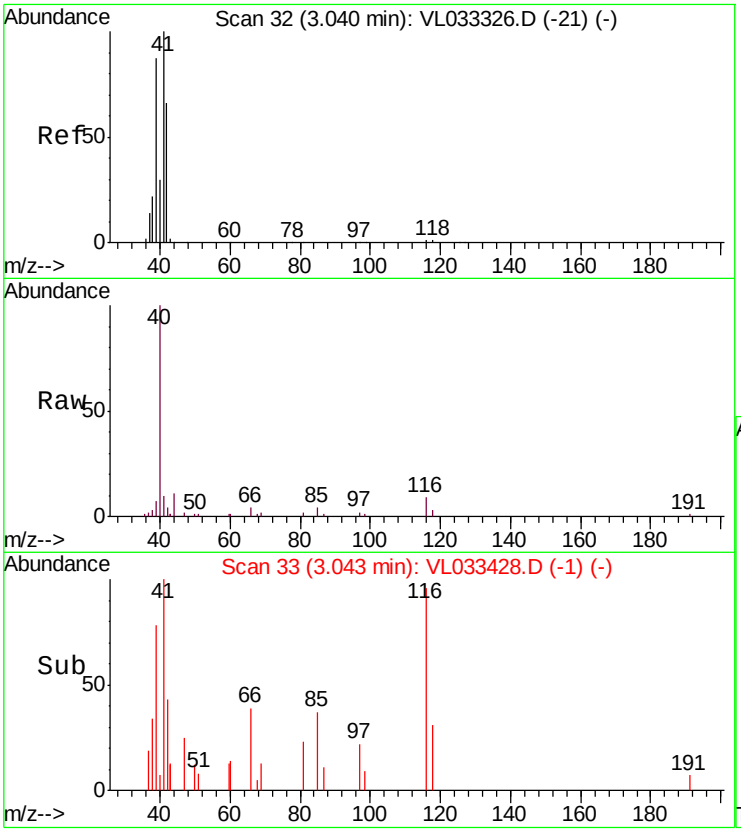


#8
Dichlorotetrafluoroethane
Concen: 0.067 ppbv
RT: 3.23 min Scan# 90
Delta R.T. 0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Tgt Ion: 85 Resp: 7589

Ion	Ratio	Lower	Upper
85	100		
135	72.6	53.4	80.2



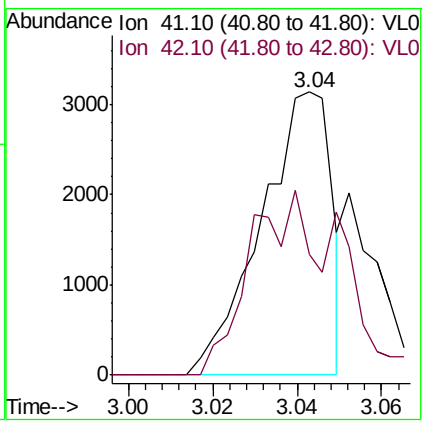


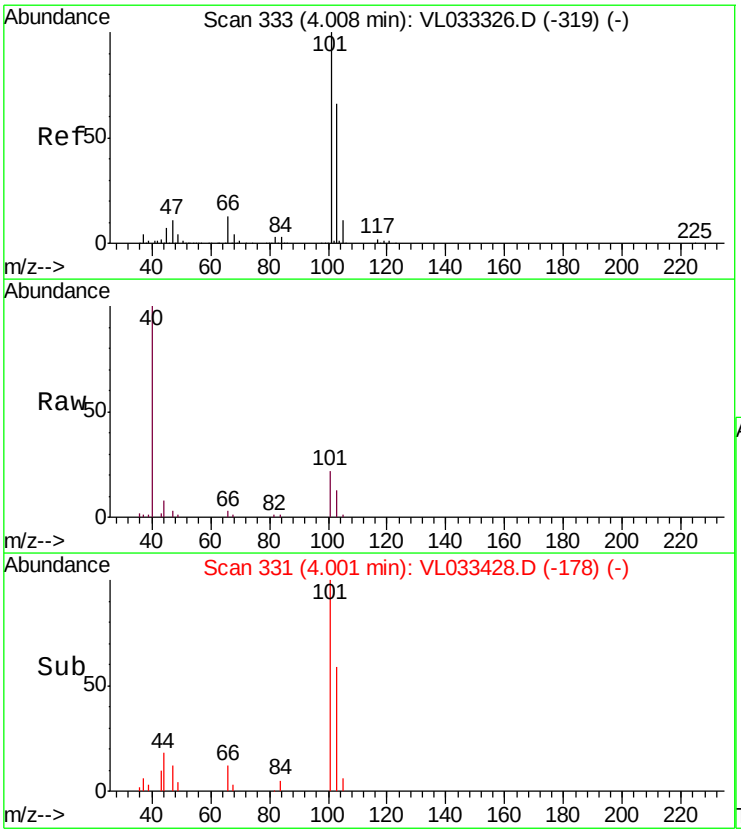
#9
Propene
Concen: 0.094 ppbv
RT: 3.04 min Scan# 33
Delta R.T. 0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 41 Resp: 3634

Ion	Ratio	Lower	Upper
41	100		
42	84.9	55.2	82.8#

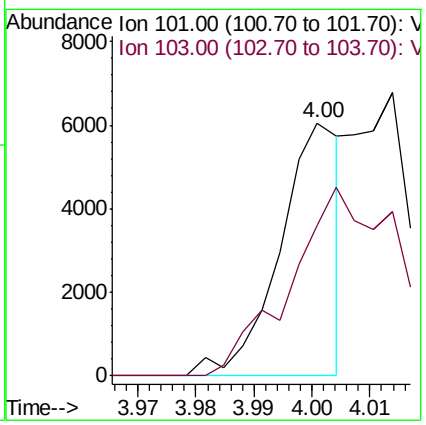


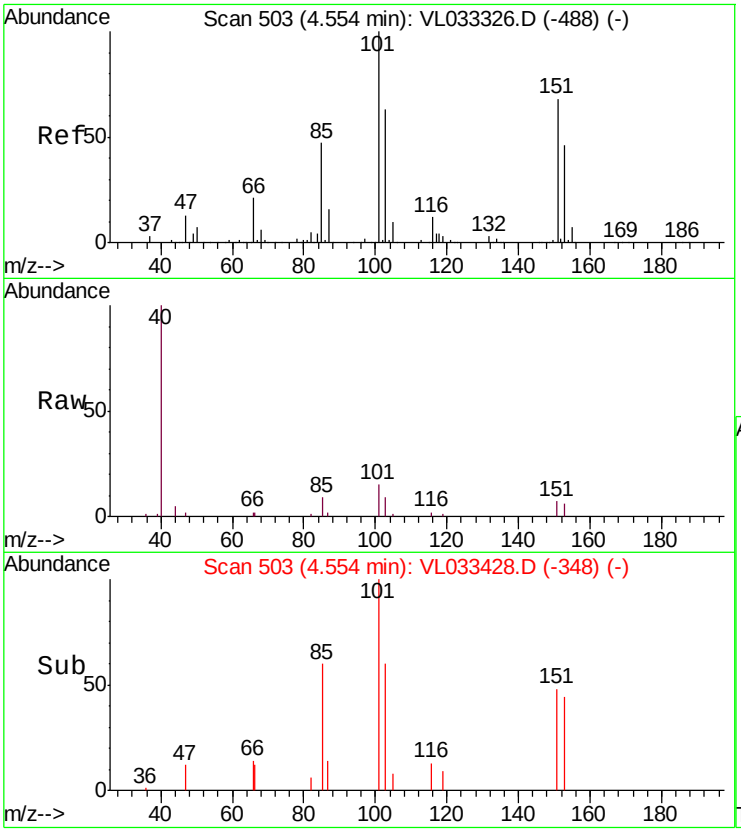


#11
Trichlorofluoromethane
Concen: 0.033 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Tgt Ion:101 Resp: 4422

Ion	Ratio	Lower	Upper
101	100		
103	59.2	52.9	79.3



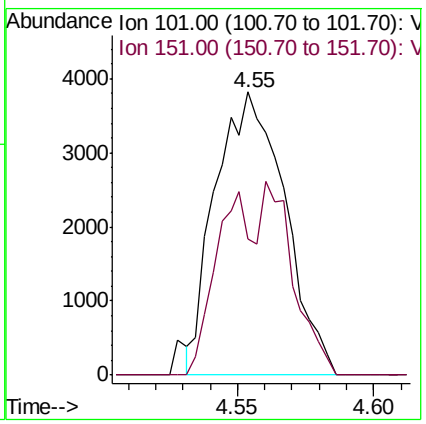


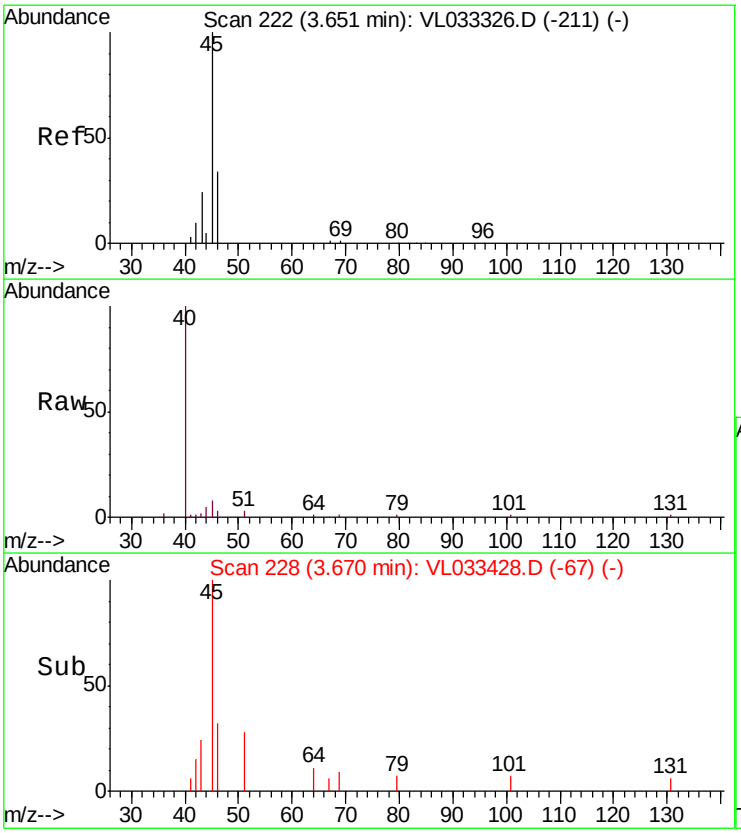
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.077 ppbv
RT: 4.55 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VIBLK

Tgt Ion:101 Resp: 6737

Ion	Ratio	Lower	Upper
101	100		
151	67.6	56.3	84.5

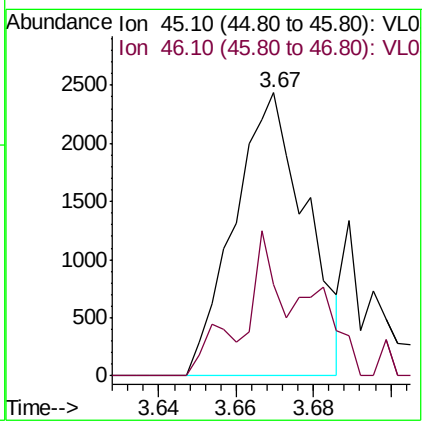


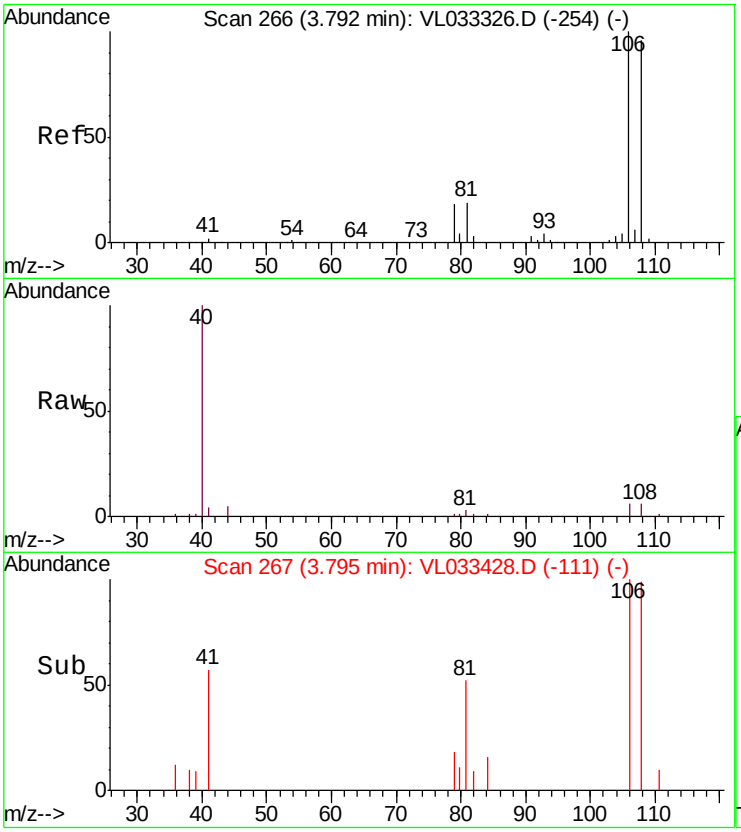


#13
Ethanol
Concen: 0.170 ppbv
RT: 3.67 min Scan# 228
Delta R.T. 0.02 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Tgt Ion: 45 Resp: 3140

Ion	Ratio	Lower	Upper
45	100		
46	45.4	14.9	59.7



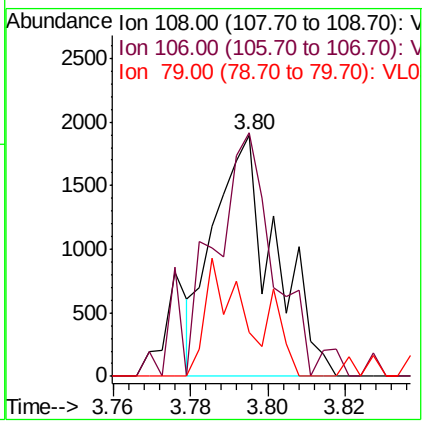


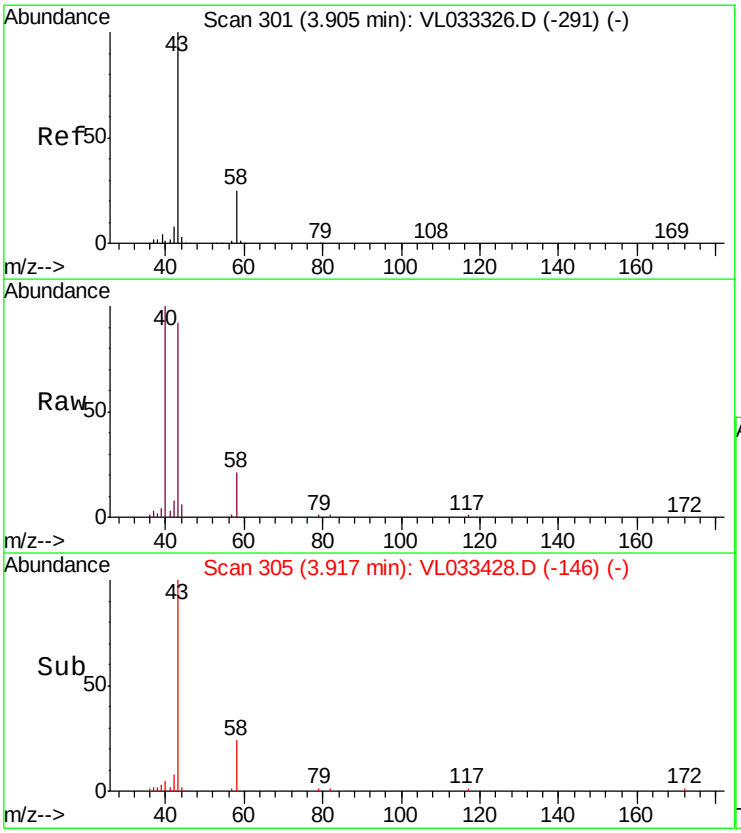
#14
Bromoethene
Concen: 0.057 ppbv
RT: 3.80 min Scan# 267
Delta R.T. 0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion:108 Resp: 2079

Ion	Ratio	Lower	Upper
108	100		
106	107.2	86.2	129.2
79	40.6	15.4	23.2#

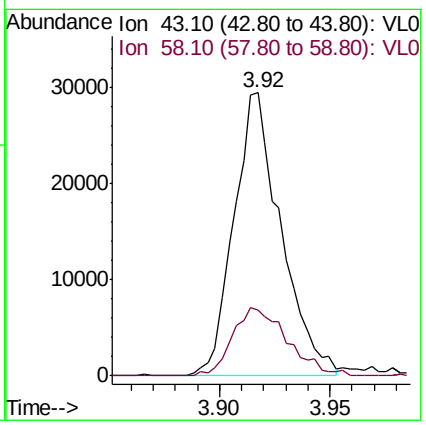


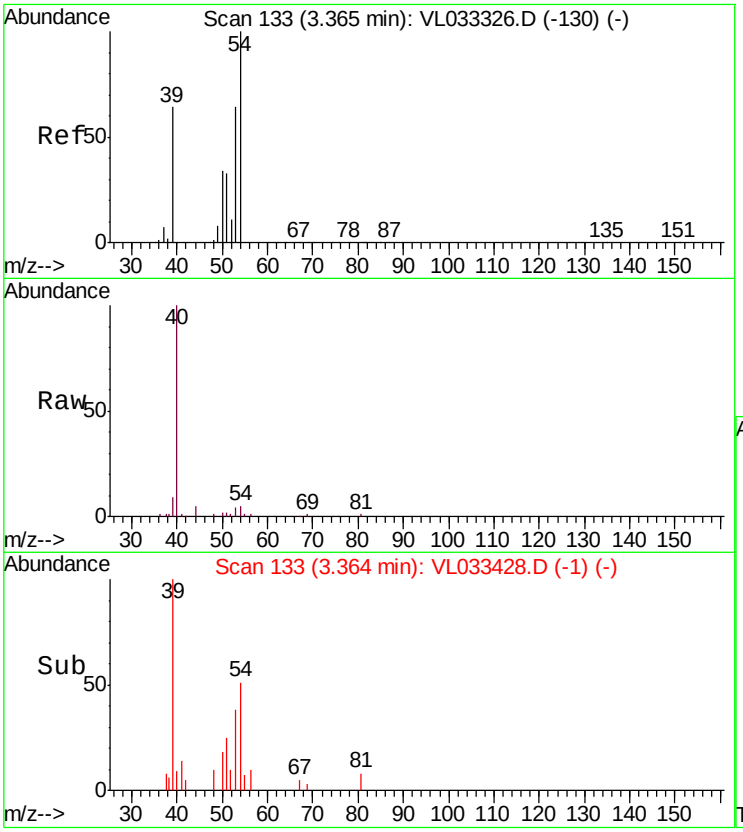


#15
Acetone
Concen: 0.371 ppbv
RT: 3.92 min Scan# 305
Delta R.T. 0.01 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Tgt Ion: 43 Resp: 43663

Ion	Ratio	Lower	Upper
43	100		
58	27.9	20.4	30.6



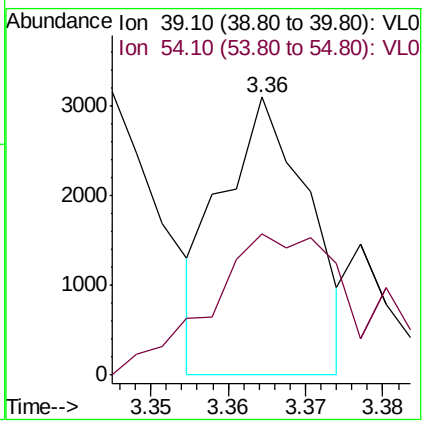


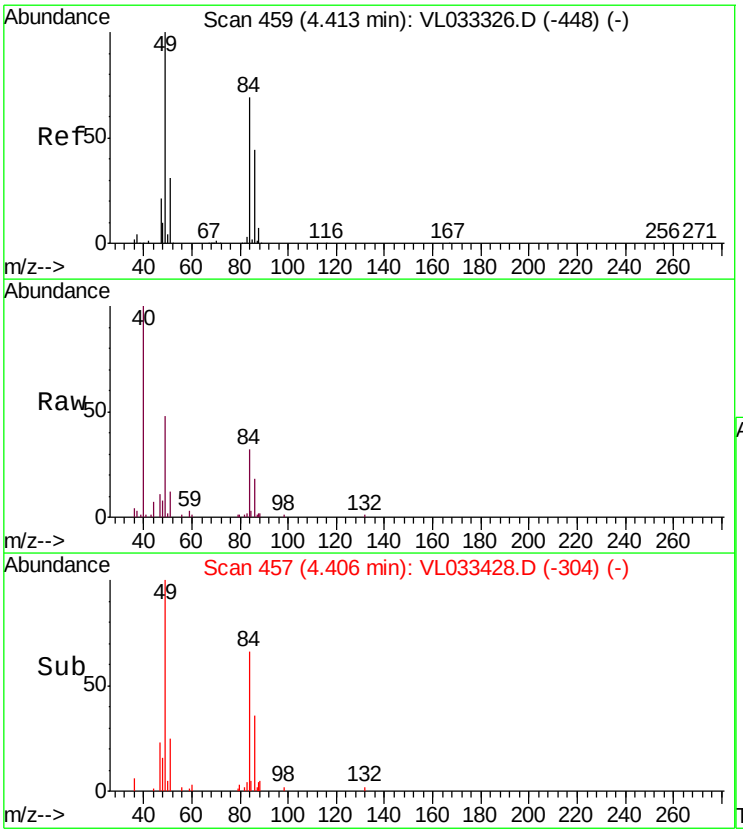
#16
1,3-Butadiene
Concen: 0.063 ppbv
RT: 3.36 min Scan# 133
Delta R.T. -0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VIBLK

Tgt Ion: 39 Resp: 2425

Ion	Ratio	Lower	Upper
39	100		
54	90.4	76.8	115.2

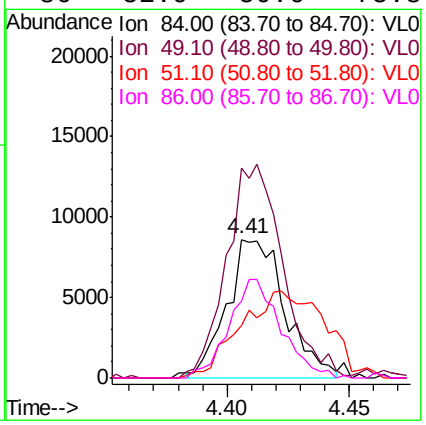


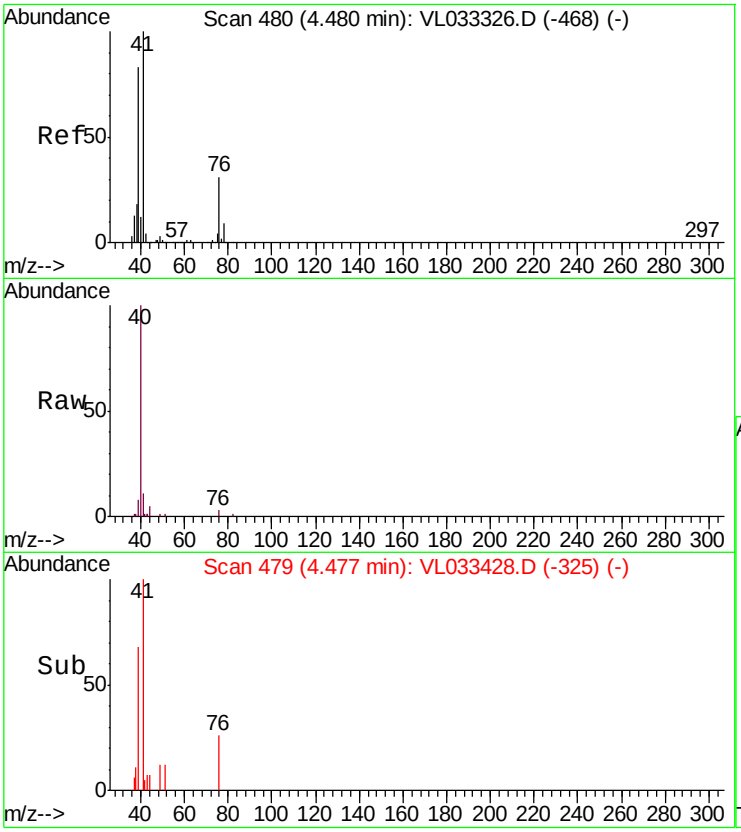


#20
Methylene Chloride
Concen: 0.369 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.01 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Tgt Ion: 84 Resp: 14192

Ion	Ratio	Lower	Upper
84	100		
49	141.0	115.4	173.0
51	31.8	35.8	53.6#
86	52.9	50.6	75.8



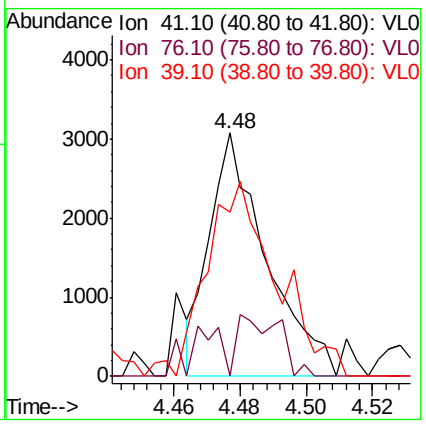


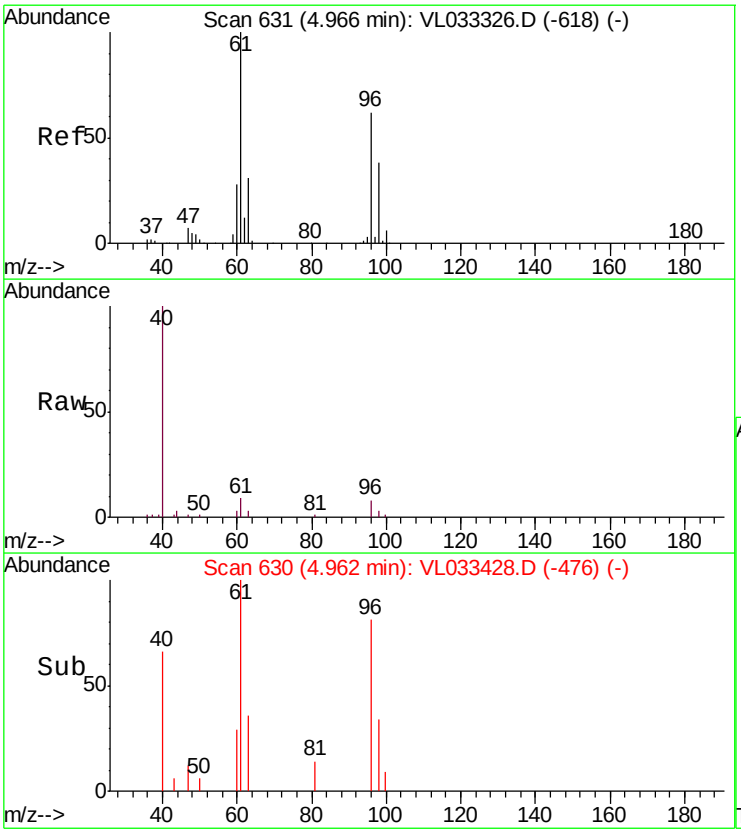
#21
Allyl Chloride
Concen: 0.064 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 41 Resp: 3672

Ion	Ratio	Lower	Upper
41	100		
76	30.0	25.0	37.4
39	103.6	65.9	98.9#

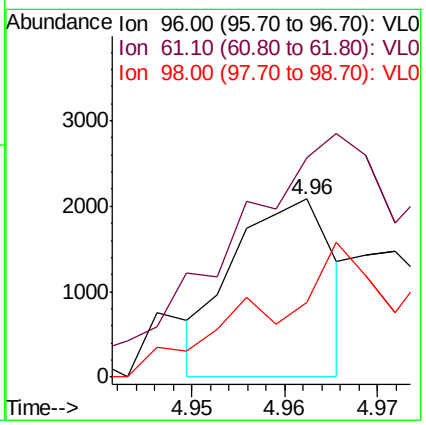


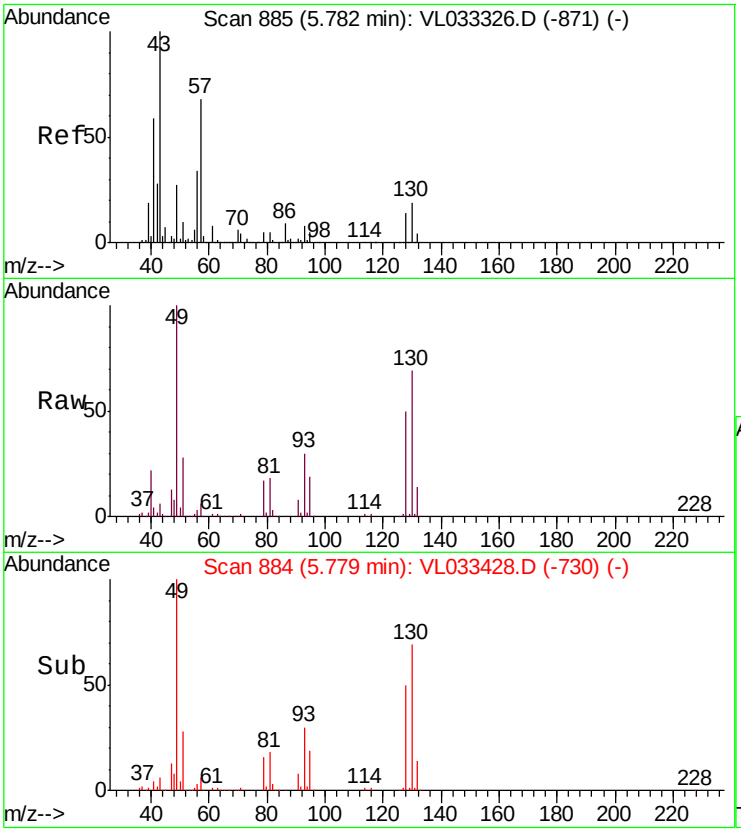


#22
trans-1,2-Dichloroethene
Concen: 0.040 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Tgt Ion: 96 Resp: 1555

Ion	Ratio	Lower	Upper
96	100		
61	94.6	130.0	195.0#
98	40.1	50.0	75.0#



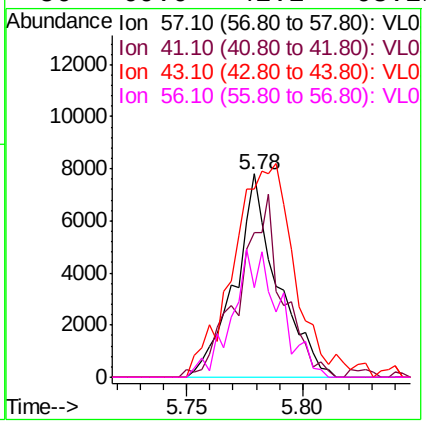


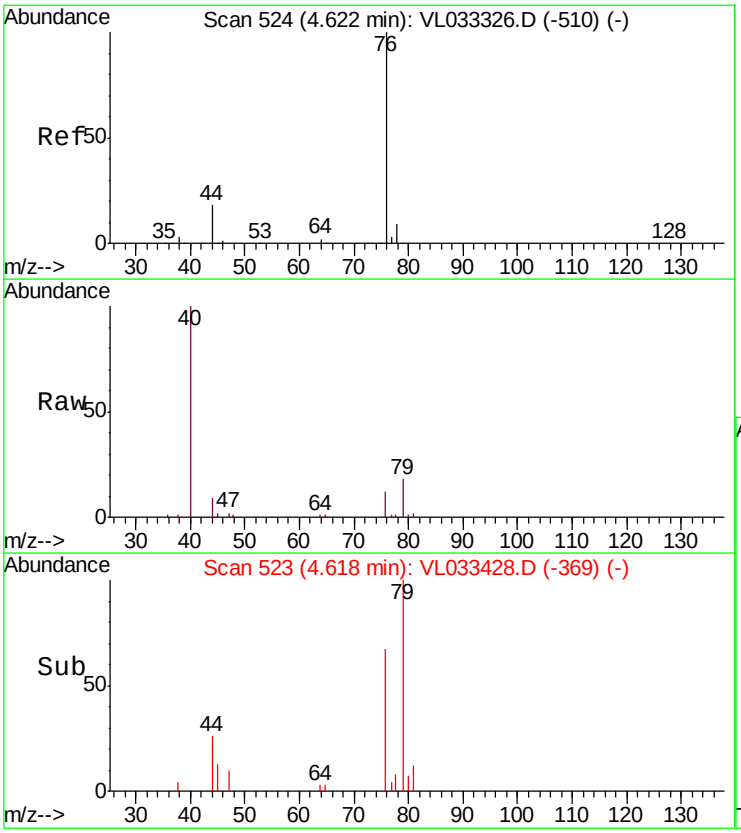
#26
Hexane
Concen: 0.130 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VIBLK

Tgt Ion: 57 Resp: 9956

Ion	Ratio	Lower	Upper
57	100		
41	94.9	70.5	105.7
43	152.4	181.8	272.8#
56	69.0	42.2	63.2#

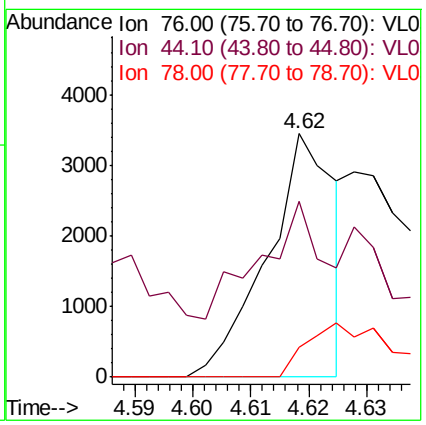


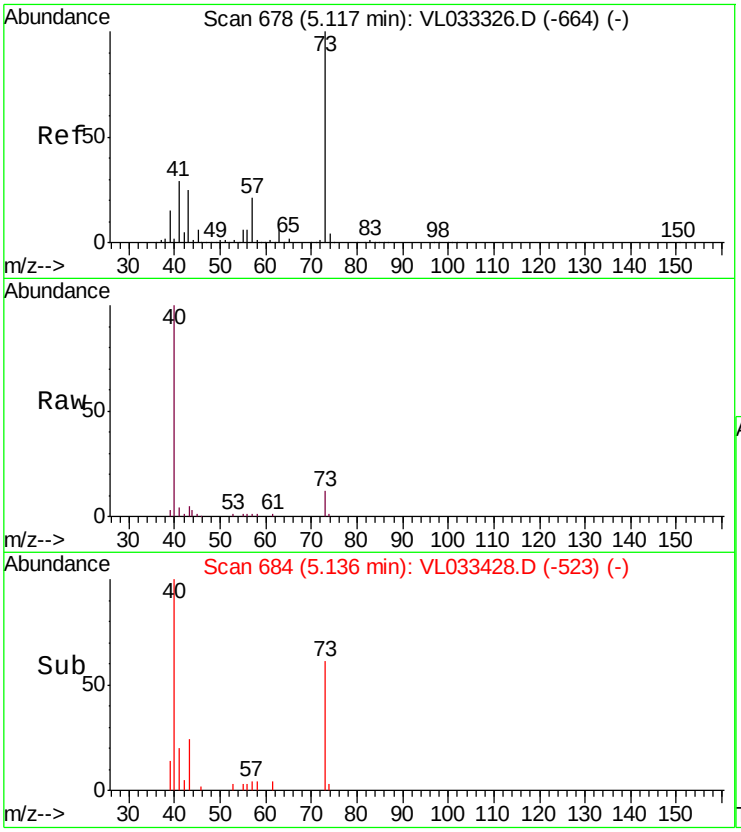


#27
Carbon Disulfide
Concen: 0.032 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Tgt Ion: 76 Resp: 2784

Ion	Ratio	Lower	Upper
76	100		
44	135.0	15.2	22.8#
78	0.0	7.2	10.8#



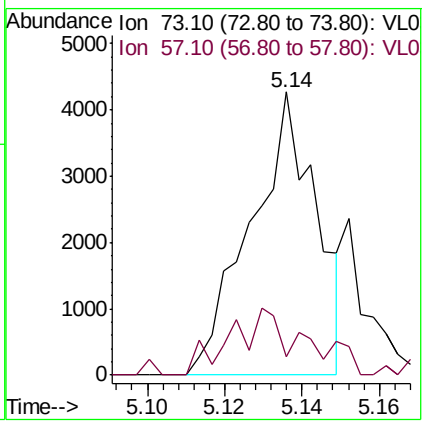


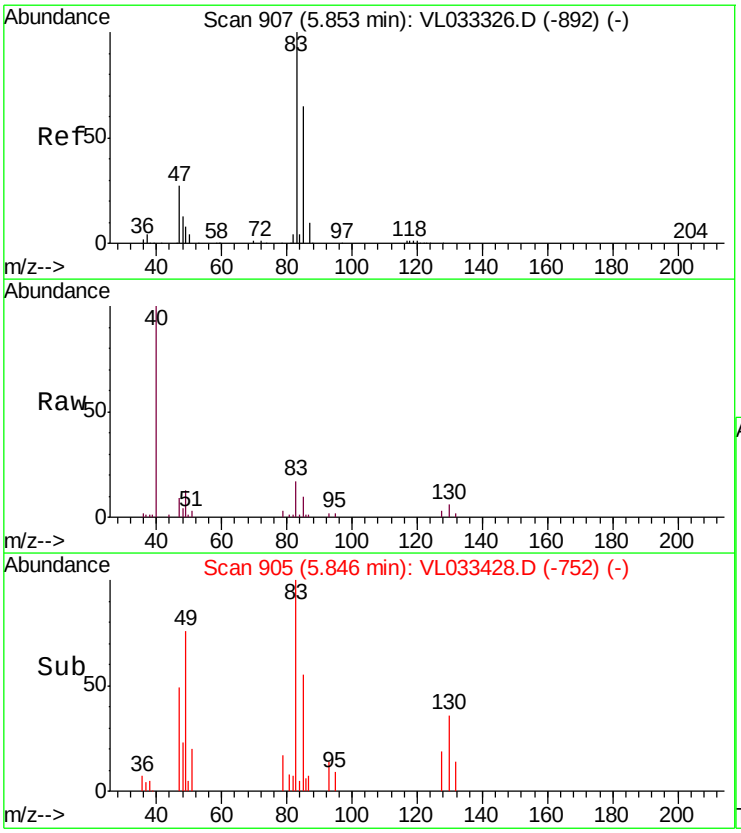
#28
Methyl tert-Butyl Ether
Concen: 0.044 ppbv
RT: 5.14 min Scan# 684
Delta R.T. 0.02 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 73 Resp: 5002

Ion	Ratio	Lower	Upper
73	100		
57	28.3	17.4	26.0#

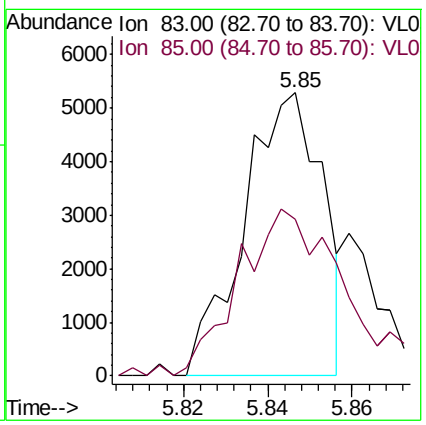


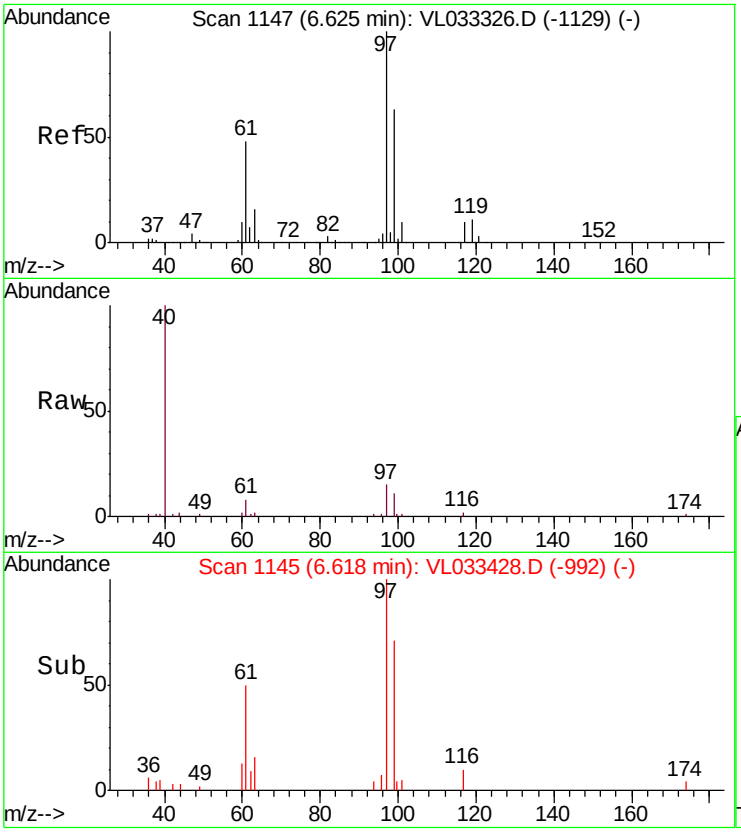


#29
Chloroform
Concen: 0.055 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Tgt Ion: 83 Resp: 6850

Ion	Ratio	Lower	Upper
83	100		
85	52.6	52.0	78.0



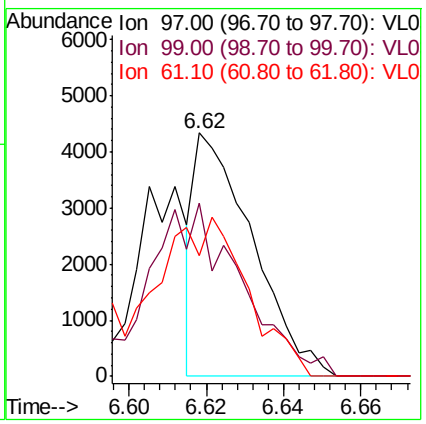


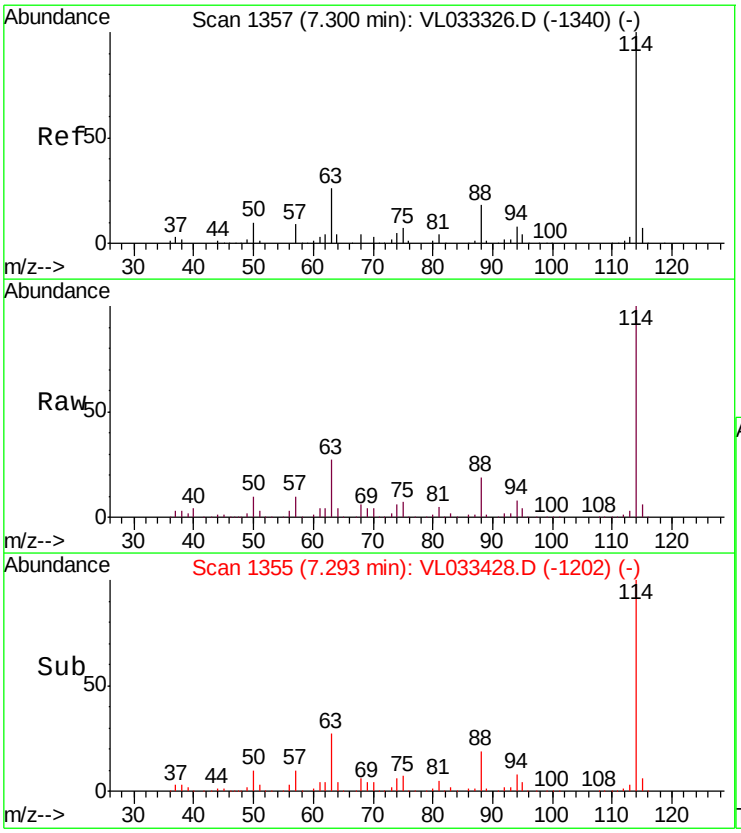
#32
1,1,1-Trichloroethane
Concen: 0.036 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 97 Resp: 4492

Ion	Ratio	Lower	Upper
97	100		
99	112.6	51.0	76.6#
61	111.4	39.3	58.9#

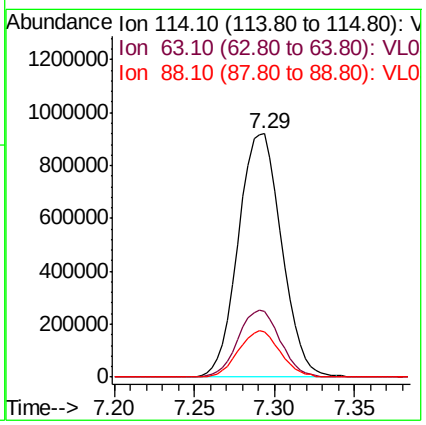


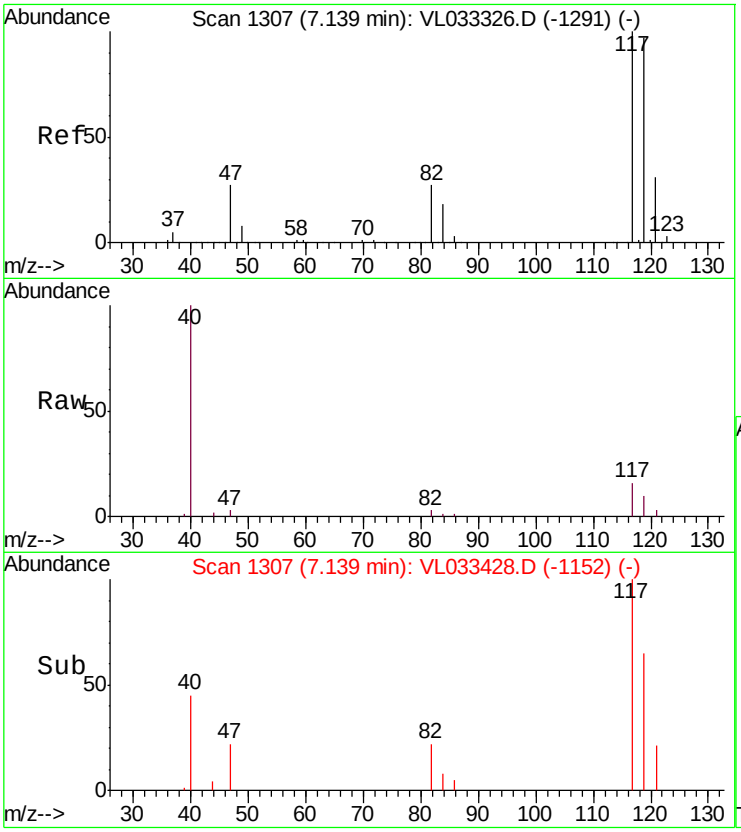


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Tgt Ion:114 Resp: 1701087

Ion	Ratio	Lower	Upper
114	100		
63	26.9	21.4	32.2
88	18.5	14.5	21.7



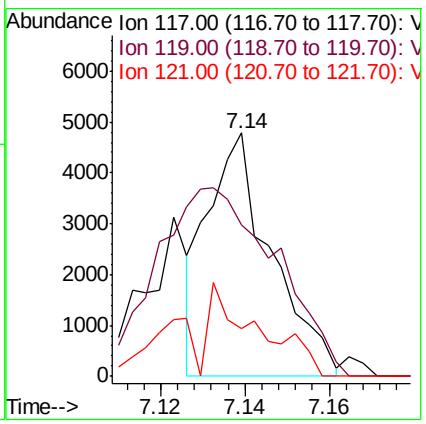


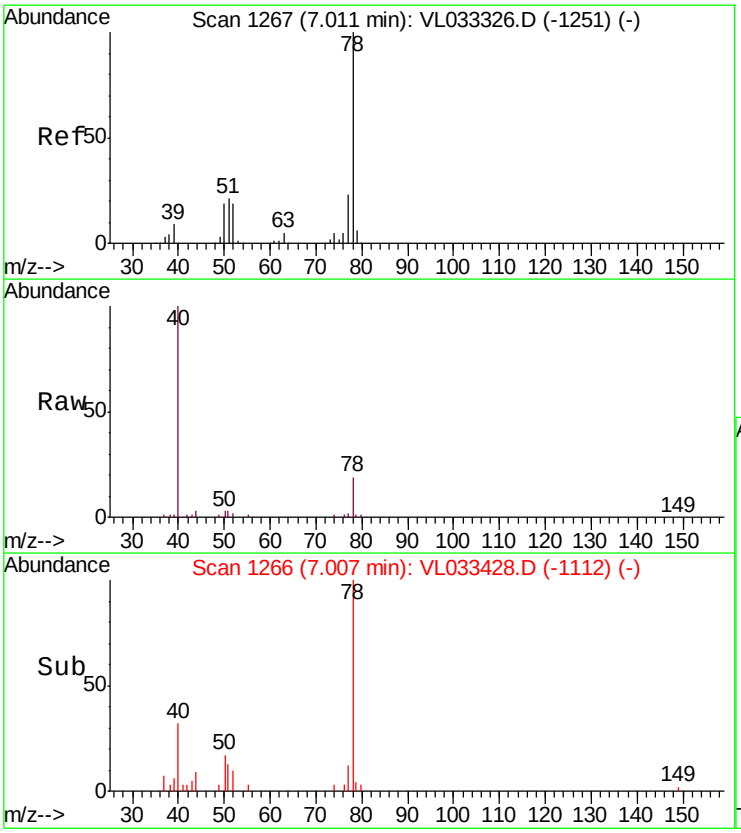
#35
Carbon Tetrachloride
Concen: 0.042 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 5024

Ion	Ratio	Lower	Upper
117	100		
119	57.8	77.4	116.0#
121	20.3	24.9	37.3#

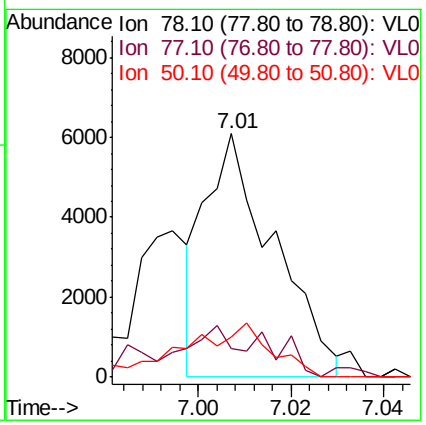


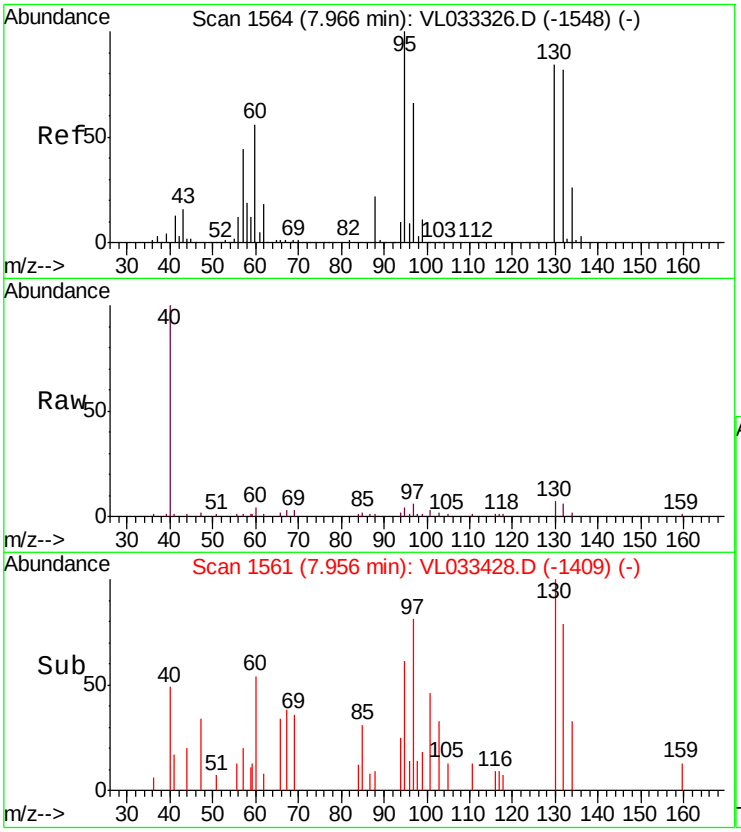


#36
Benzene
Concen: 0.041 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Tgt Ion: 78 Resp: 6262

Ion	Ratio	Lower	Upper
78	100		
77	8.0	18.1	27.1#
50	31.1	15.2	22.8#



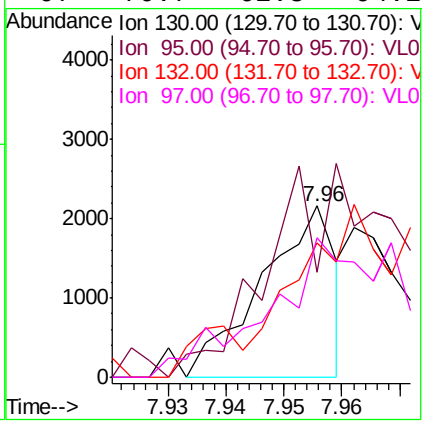


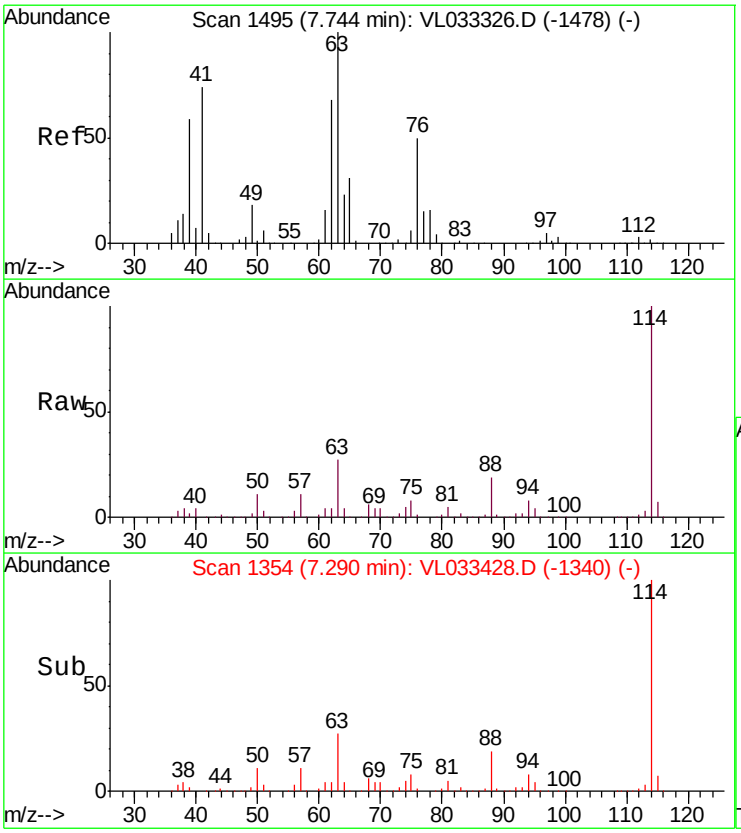
#38
Trichloroethene
Concen: 0.033 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VIBLK

Tgt Ion:130 Resp: 1899

Ion	Ratio	Lower	Upper
130	100		
95	47.3	95.2	142.8#
132	60.5	77.7	116.5#
97	70.7	62.8	94.2

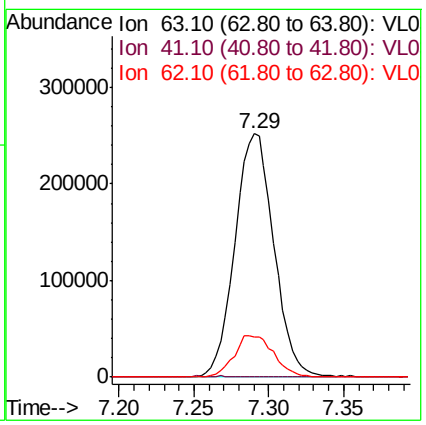


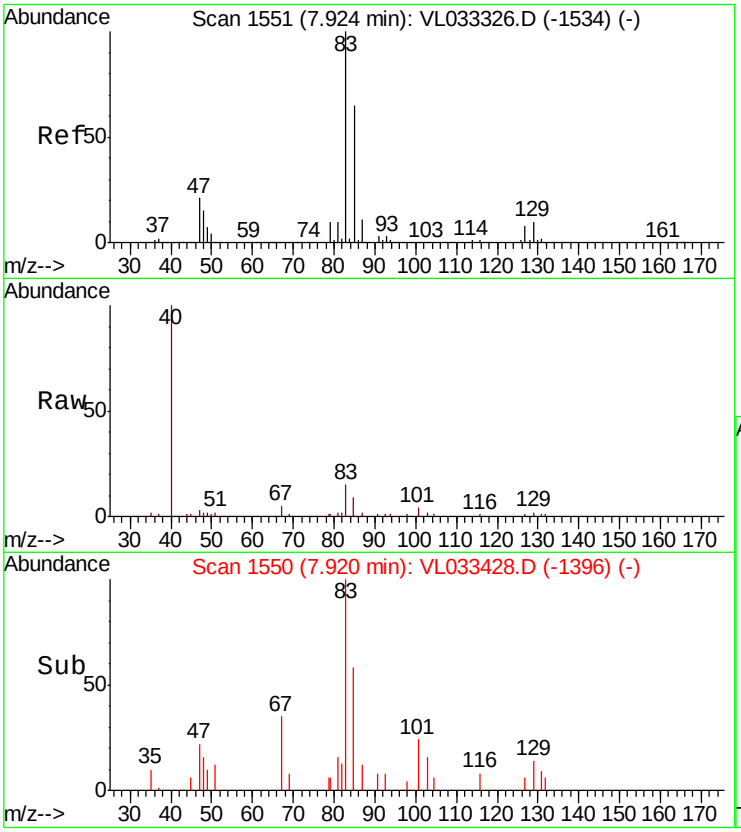


#39
1,2-Dichloropropane
Concen: 8.013 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.45 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Tgt Ion: 63 Resp: 456815

Ion	Ratio	Lower	Upper
63	100		
41	0.1	59.5	89.3#
62	16.3	54.7	82.1#



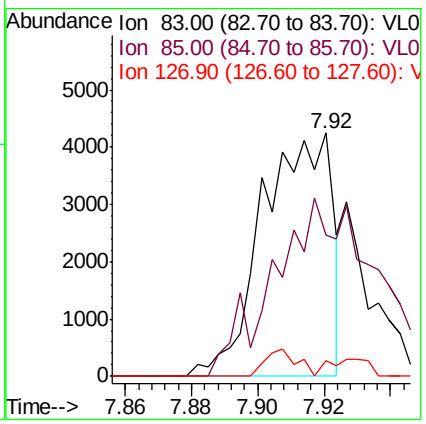


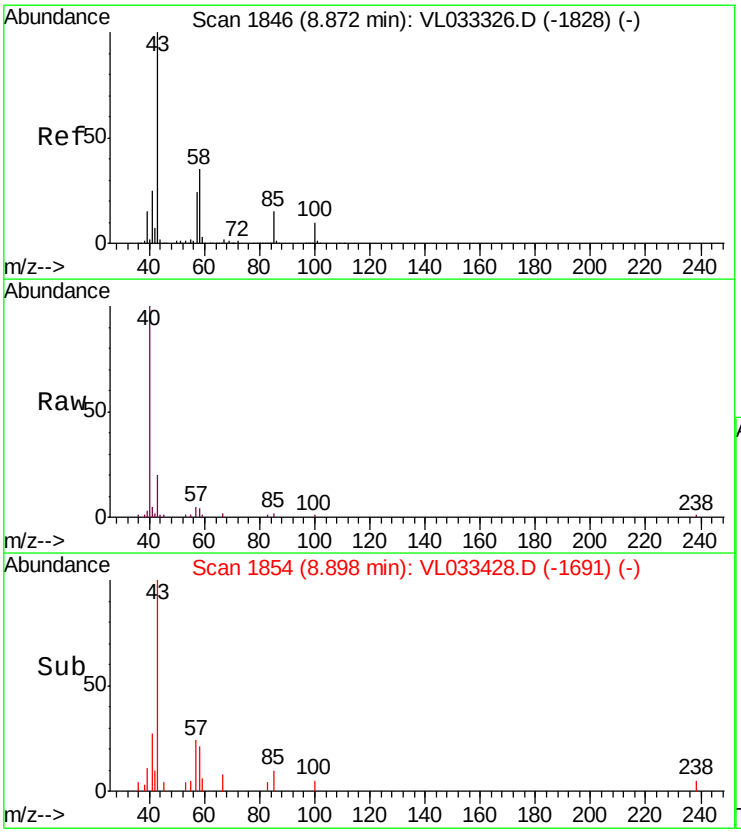
#42
Bromodichloromethane
Concen: 0.048 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 83 Resp: 6173

Ion	Ratio	Lower	Upper
83	100		
85	58.2	51.8	77.6
127	6.3	6.2	9.2

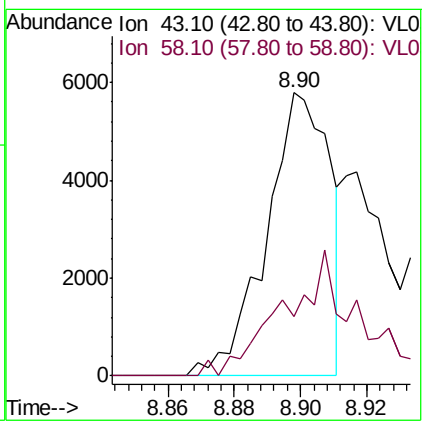


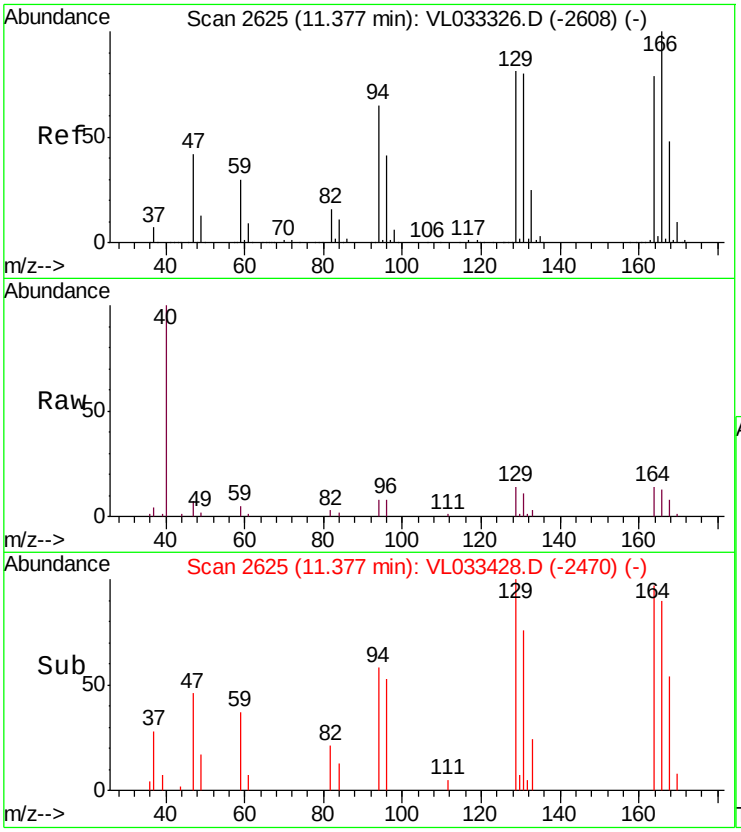


#50
4-Methyl-2-Pentanone
Concen: 0.049 ppbv
RT: 8.90 min Scan# 1854
Delta R.T. 0.03 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Tgt Ion: 43 Resp: 7727

Ion	Ratio	Lower	Upper
43	100		
58	54.3	28.4	42.6#



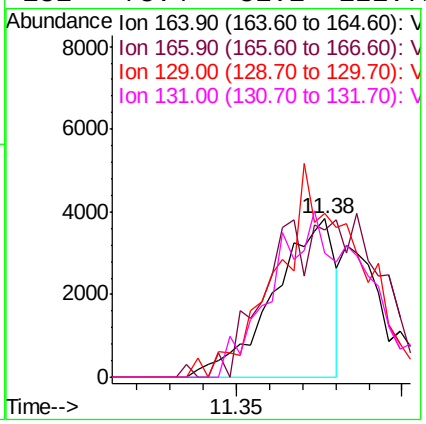


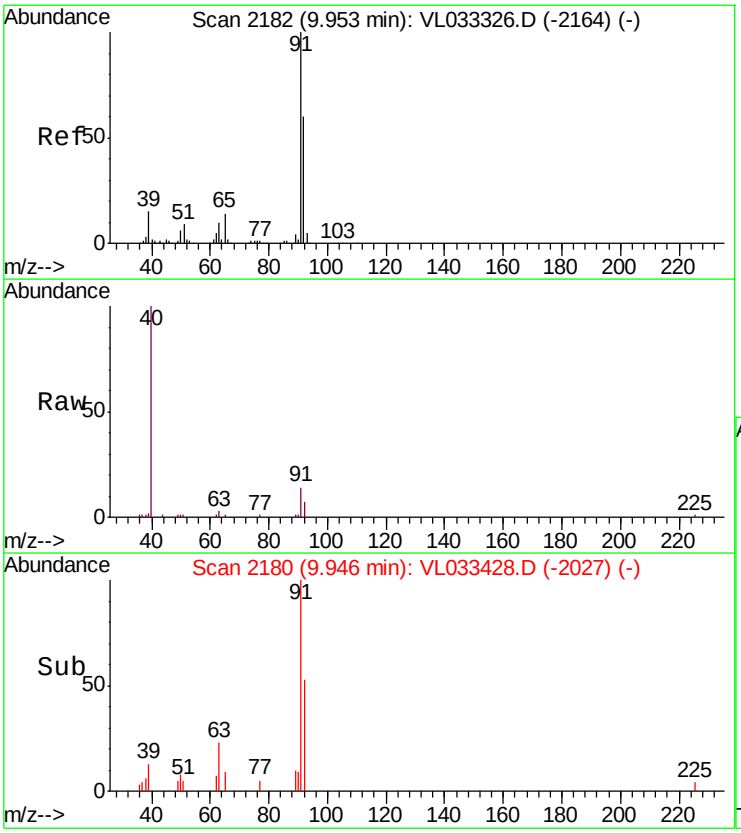
#52
Tetrachloroethene
Concen: 0.077 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VIBLK

Tgt Ion:164 Resp: 4879

Ion	Ratio	Lower	Upper
164	100		
166	84.7	101.5	152.3#
129	103.4	82.2	123.2
131	78.4	81.1	121.7#

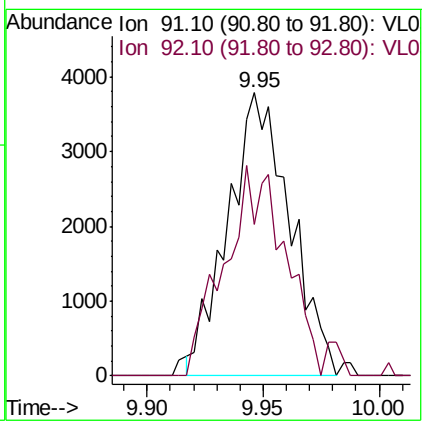


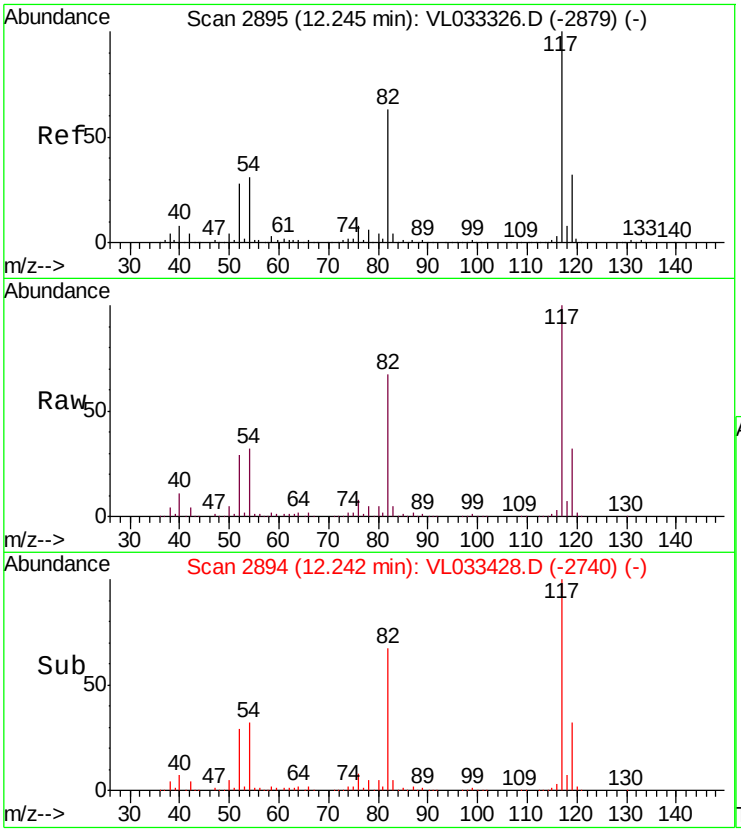


#53
Toluene
Concen: 0.041 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Tgt Ion: 91 Resp: 7016

Ion	Ratio	Lower	Upper
91	100		
92	76.2	47.4	71.0#



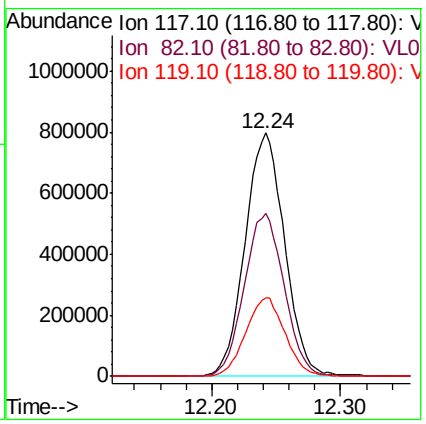


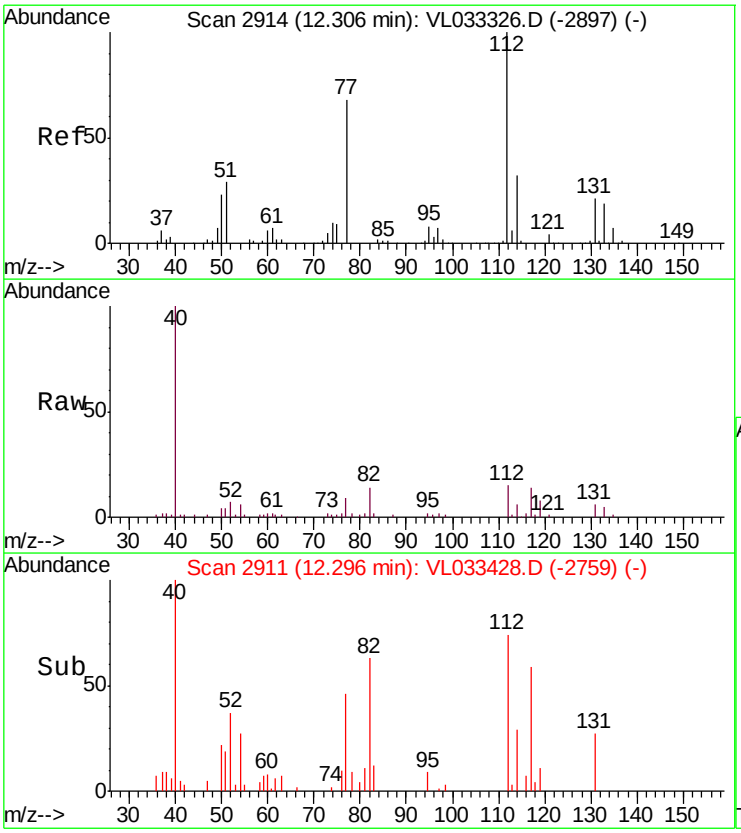
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VIBLK

Tgt Ion:117 Resp: 1701750

Ion	Ratio	Lower	Upper
117	100		
82	67.9	53.4	80.2
119	32.4	27.3	40.9

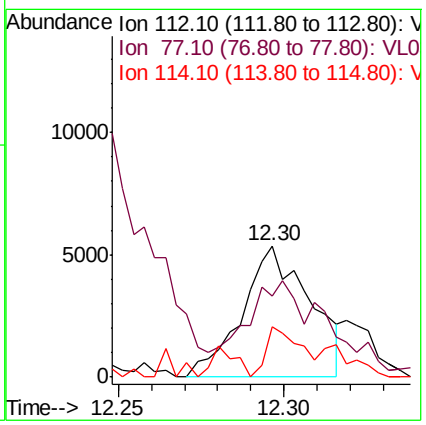


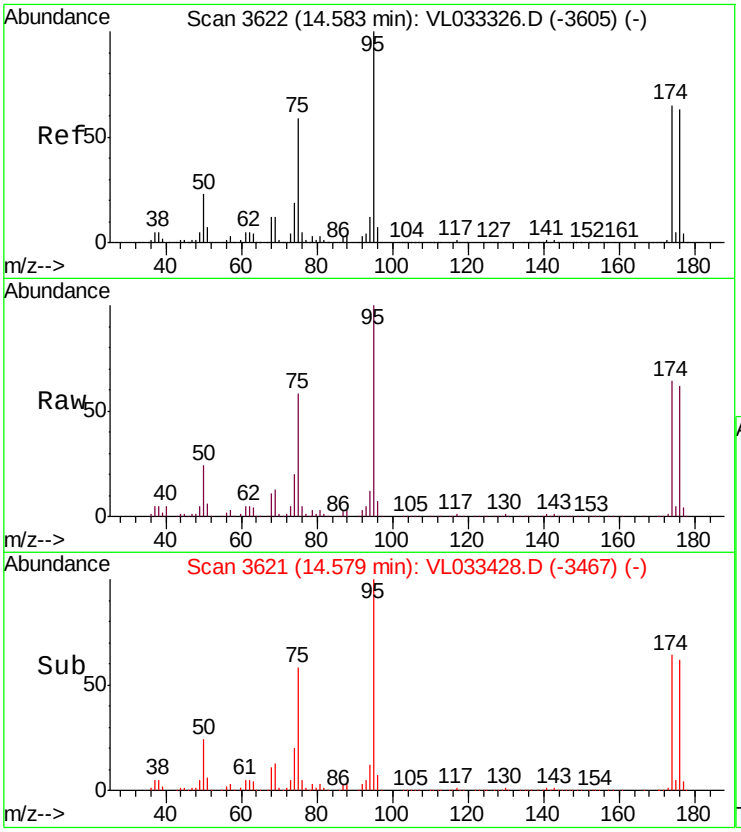


#57
Chlorobenzene
Concen: 0.057 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Tgt Ion:112 Resp: 7630

Ion	Ratio	Lower	Upper
112	100		
77	30.3	55.8	83.6#
114	29.2	28.6	35.0



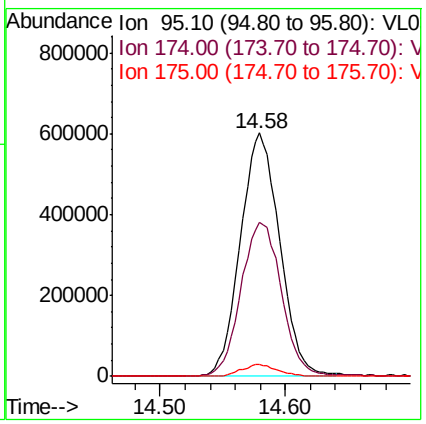


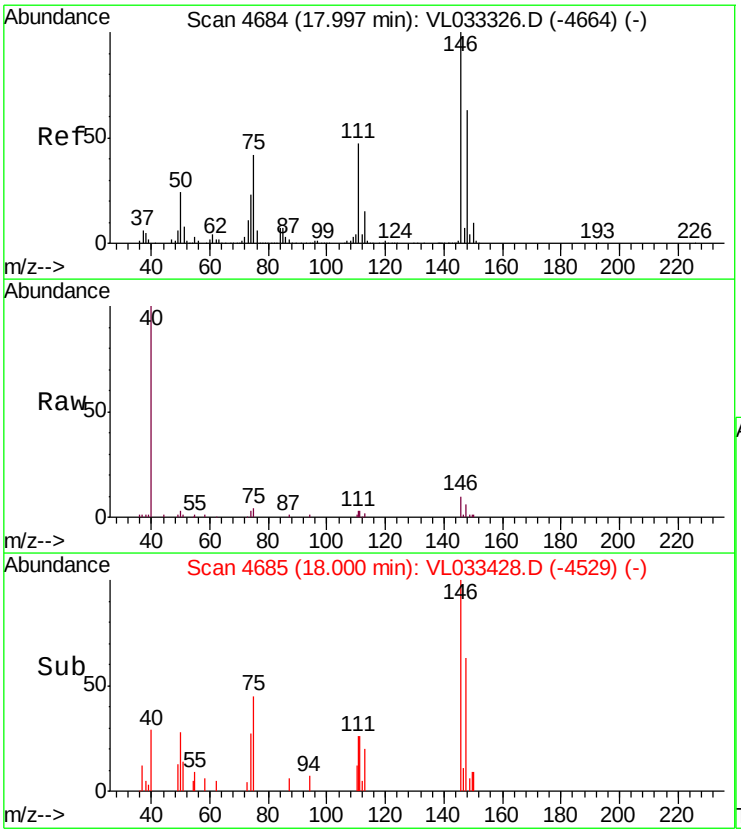
#68
1-Bromo-4-Fluorobenzene
Concen: 10.401 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VIBLK

Tgt Ion: 95 Resp: 1311602

Ion	Ratio	Lower	Upper
95	100		
174	65.6	51.5	77.3
175	4.6	3.8	5.6

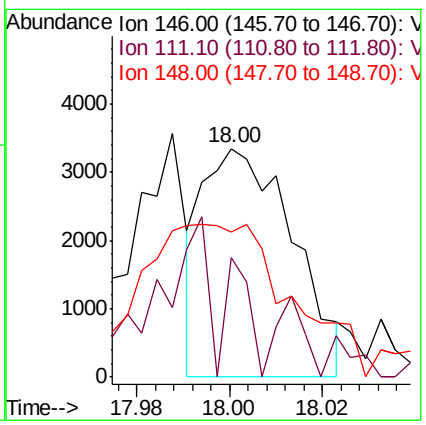


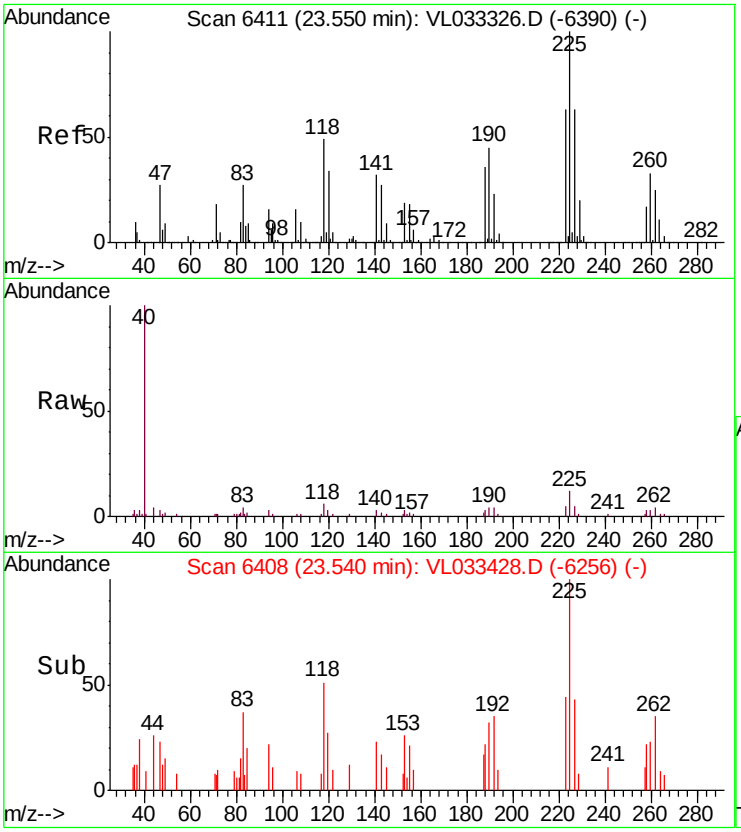


#77
1,2-Dichlorobenzene
Concen: 0.035 ppbv
RT: 18.00 min Scan# 4685
Delta R.T. 0.00 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Tgt Ion:146 Resp: 4557

Ion	Ratio	Lower	Upper
146	100		
111	70.3	23.5	70.6
148	117.6	31.9	95.9#



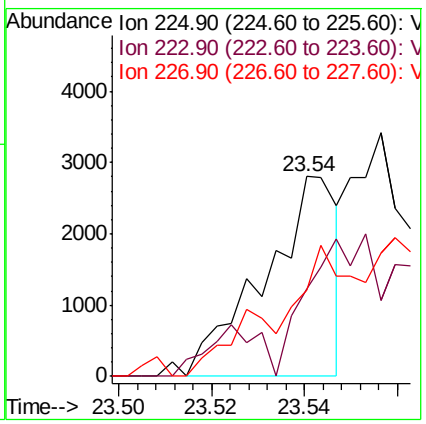


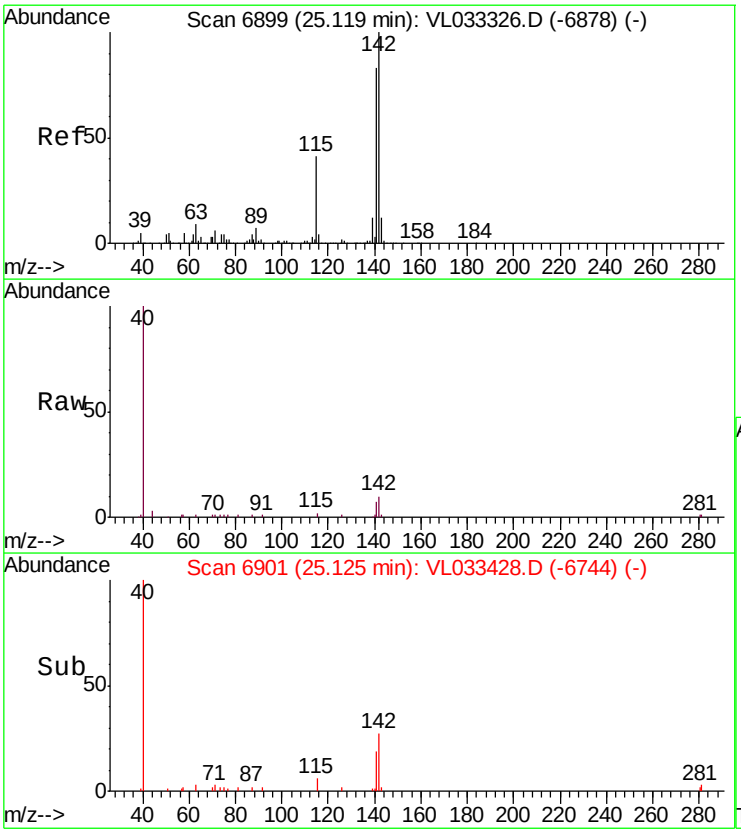
#78
Hexachloro-1,3-Butadiene
Concen: 0.039 ppbv
RT: 23.54 min Scan# 6408
Delta R.T. -0.01 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VIBLK

Tgt Ion:225 Resp: 3049

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.4	75.6#
227	0.0	50.5	75.7#





#80
Naphthalene,2-methyl-
Concen: 0.076 ppbv
RT: 25.13 min Scan# 6901
Delta R.T. 0.01 min
Lab File: VL033428.D
Acq: 22 Mar 2019 10:32

Tgt Ion:142 Resp: 8251

Ion	Ratio	Lower	Upper
142	100		
141	75.8	67.1	100.7
115	43.2	33.8	50.6