Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL050318\
Data File : VL031963.D
Acq On : 3 May 2018 13:22
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 03 14:05:52 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	1270328	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.42	114	2606501	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.39	117	2484455	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.72	95	1986094	9.94	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.16	85	88569	0.338	ppbv		92
3) Chlorodifluoromethane	3.10	51	67178	0.455	ppbv		95
4) Chloromethane	3.25	50	33240	0.441	ppbv	#	78
5) Vinyl Chloride	3.38	62	35457	0.418	ppbv		92
6) Bromomethane	3.61	94	26773	0.480	ppbv		85
7) Chloroethane	3.69	64	7910	0.234	ppbv		98
8) Dichlorotetrafluoroethane	3.31	85	94647	0.440	ppbv		99
9) Propene	3.12	41	20086	0.393	ppbv		92
10) Heptane	8.38	43	75137	0.453	ppbv		99
11) Trichlorofluoromethane	4.11	101	123535	0.481	ppbv		91
12) 1,1,2-Trichlorotrifluoroet	4.66	101	79098	0.474	ppbv		100
13) Ethanol	3.75	45	2718	0.157	ppbv	#	38
14) Bromoethene	3.89	108	28530	0.453	ppbv		96
15) Acetone	4.01	43	119810	0.613	ppbv		94
16) 1,3-Butadiene	3.45	39	28465	0.393	ppbv	#	79
17) tert-Butyl alcohol	4.49	59	42858	0.530	ppbv	#	94
18) 1,1-Dichloroethene	4.46	96	35308	0.492	ppbv		96
19) Isopropyl Alcohol	4.14	45	34607	0.317	ppbv	#	88
20) Methylene Chloride	4.52	84	33601	0.472	ppbv		94
21) Allyl Chloride	4.58	41	54946	0.492	ppbv		97
22) trans-1,2-Dichloroethene	5.08	96	39476	0.531	ppbv		88
23) Vinyl Acetate	5.27	43	98226	0.495	ppbv	#	94
24) 1,1-Dichloroethane	5.21	63	110196	0.558	ppbv		98
25) Ethyl Acetate	5.90	43	160236	0.525	ppbv		99
26) Hexane	5.90	57	40034	0.282	ppbv	#	1
27) Carbon Disulfide	4.74	76	76164	0.413	ppbv	#	83
28) Methyl tert-Butyl Ether	5.24	73	89107	0.509	ppbv		98
29) Chloroform	5.96	83	126235	0.524	ppbv		99
30) Cyclohexane	7.38	84	3728	0.037	ppbv	#	1
31) cis-1,2-Dichloroethene	5.76	61	63896	0.496	ppbv		92
32) 1,1,1-Trichloroethane	6.75	97	102716	0.438	ppbv		99
34) 2-Butanone	5.45	43	122209	0.676	ppbv		98
35) Carbon Tetrachloride	7.27	117	101258	0.447	ppbv		88
36) Benzene	7.13	78	118420	0.505	ppbv		99
37) 1,2-Dichloroethane	6.54	62	88120	0.505	ppbv	#	96
38) Trichloroethene	8.10	130	29966	0.315	ppbv		91
39) 1,2-Dichloropropane	7.87	63	27478	0.315	ppbv		94
41) Tetrahydrofuran	6.30	42	22147	0.265	ppbv	#	53
42) Bromodichloromethane	8.05	83	102241	0.490	ppbv		98
43) Methyl Methacrylate	8.28	69	38650	0.468	ppbv		98
44) 2,2,4-Trimethylpentane	8.13	57	199956	0.495	ppbv		97

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL050318\
Data File : VL031963.D
Acq On : 3 May 2018 13:22
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 03 14:05:52 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)
45) t-1,3-Dichloropropene	9.55	75	26788	0.250	ppbv		91
46) cis-1,3-Dichloropropene	8.97	75	58024	0.424	ppbv		91
47) 1,1,2-Trichloroethane	9.76	97	52477	0.507	ppbv		93
48) Dibromochloromethane	10.59	129	76024	0.454	ppbv		97
49) Bromoform	13.35	173	57405	0.445	ppbv		98
50) 4-Methyl-2-Pentanone	9.03	43	98245	0.475	ppbv		99
51) 2-Hexanone	10.43	43	79345	0.439	ppbv	#	99
52) Tetrachloroethene	11.52	164	26937	0.295	ppbv		96
53) Toluene	10.09	91	114649	0.439	ppbv		99
54) 1,2-Dibromoethane	10.90	107	71974	0.479	ppbv		95
56) 1,1,1,2-Tetrachloroethane	12.43	131	38917	0.333	ppbv	#	12
57) Chlorobenzene	12.45	112	119088	0.565	ppbv		93
58) Ethyl Benzene	13.01	91	163624	0.474	ppbv		98
59) m/p-Xylene	13.30	91	152183	0.508	ppbv	#	38
60) o-Xylene	14.00	91	145837	0.487	ppbv		99
61) Styrene	13.83	104	13128	0.230	ppbv	#	27
62) Isopropylbenzene	14.97	105	192400	0.500	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.98	83	112448	0.488	ppbv		98
64) n-propylbenzene	15.86	120	24887	0.266	ppbv		85
65) tert-Butylbenzene	17.05	119	99528	0.301	ppbv	#	39
66) Benzyl Chloride	17.31	91	4263	0.143	ppbv	#	57
67) sec-Butylbenzene	17.61	105	233318	0.490	ppbv		100
69) p-Isopropyltoluene	17.96	119	179531	0.486	ppbv		99
70) n-Butylbenzene	18.86	91	188140	0.489	ppbv		98
71) 2-Chlorotoluene	15.76	91	133159	0.479	ppbv		100
72) 4-Ethyltoluene	16.14	105	139462	0.456	ppbv		98
73) 1,3,5-Trimethylbenzene	16.30	105	136187	0.486	ppbv		91
74) 1,2,4-Trimethylbenzene	17.07	105	158724	0.508	ppbv		94
75) 1,3-Dichlorobenzene	17.31	146	57440	0.300	ppbv	#	32
76) 1,4-Dichlorobenzene	17.46	146	49445	0.266	ppbv	#	19
77) 1,2-Dichlorobenzene	18.14	146	58421	0.309	ppbv	#	33
78) Hexachloro-1,3-Butadiene	23.68	225	24972	0.344	ppbv	#	18
79) Naphthalene	22.57	128	15638	0.089	ppbv		95
80) Naphthalene,2-methyl-	25.23	142	12115	0.353	ppbv		94
81) 1,2,4-Trichlorobenzene	22.31	180	26899	0.275	ppbv	#	12

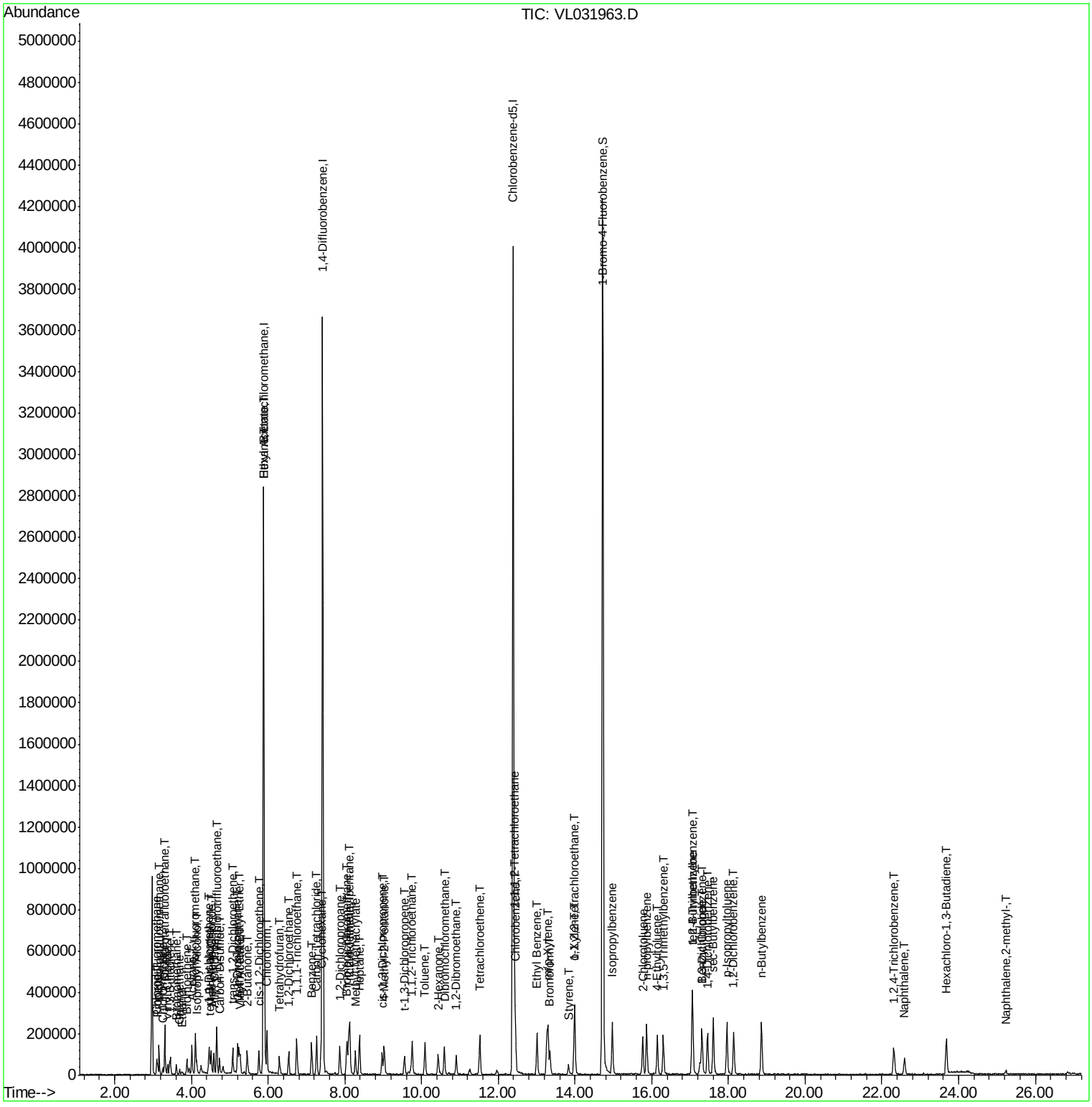
(#) = qualifier out of range (m) = manual integration (+) = signals summed

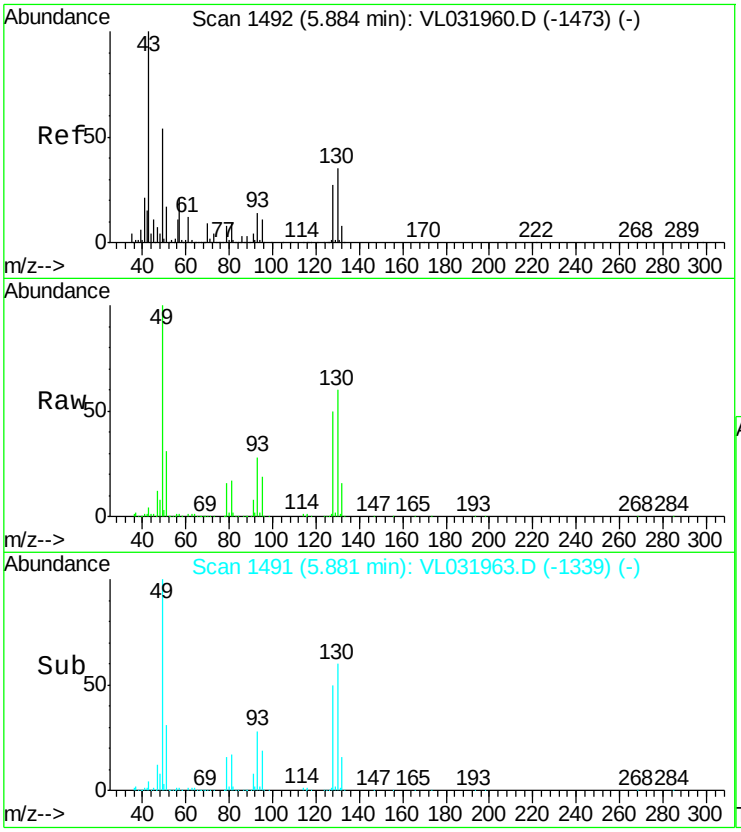
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL050318\
Data File : VL031963.D
Acq On : 3 May 2018 13:22
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 03 14:05:52 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



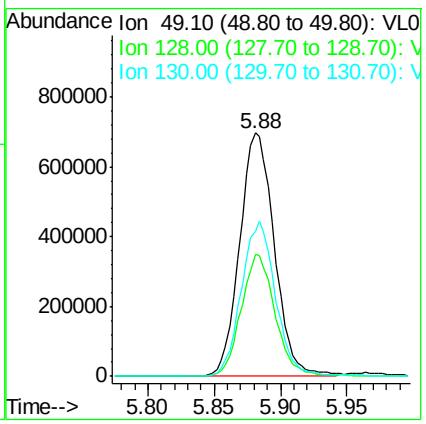


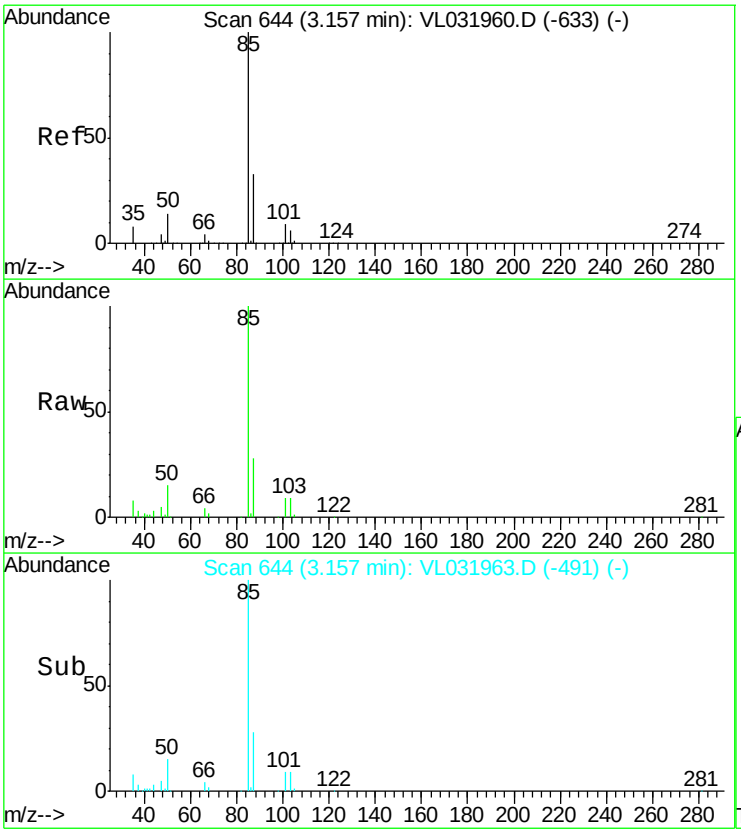
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.88 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1270328

Ion	Ratio	Lower	Upper
49	100		
128	49.1	23.9	71.7
130	63.3	30.9	92.7

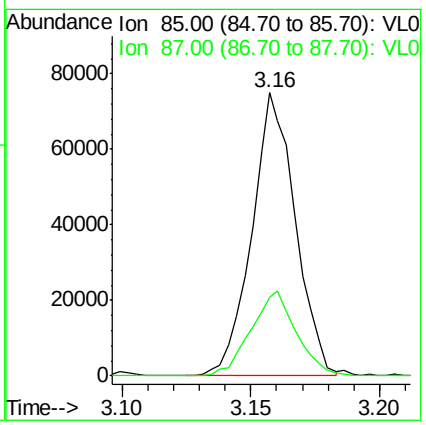


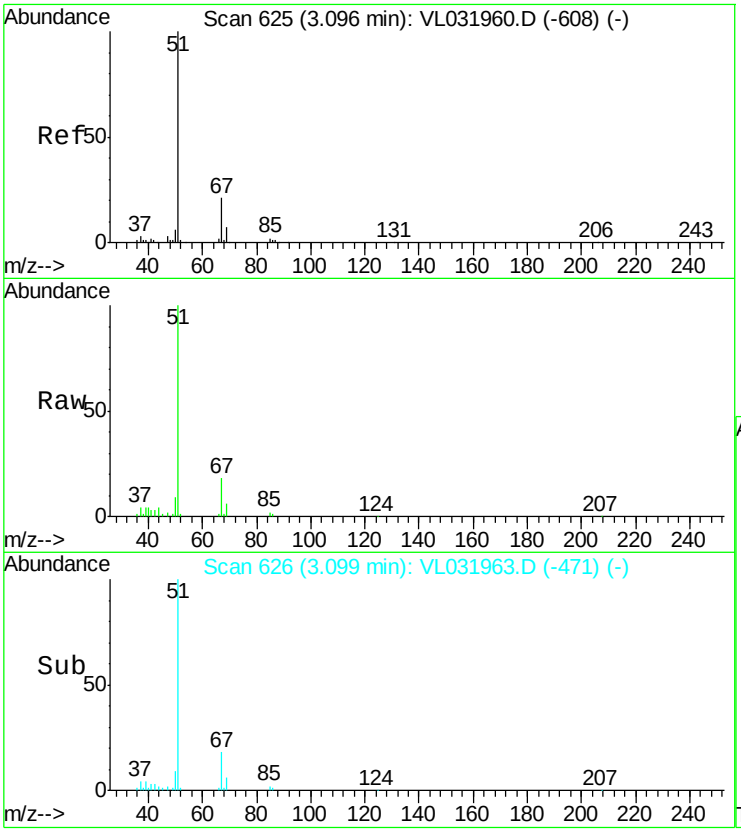


#2
Dichlorodifluoromethane
Concen: 0.338 ppbv
RT: 3.16 min Scan# 644
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 85 Resp: 88569

Ion	Ratio	Lower	Upper
85	100		
87	27.7	25.9	38.9

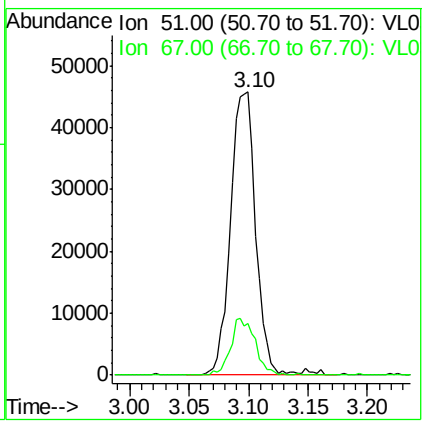




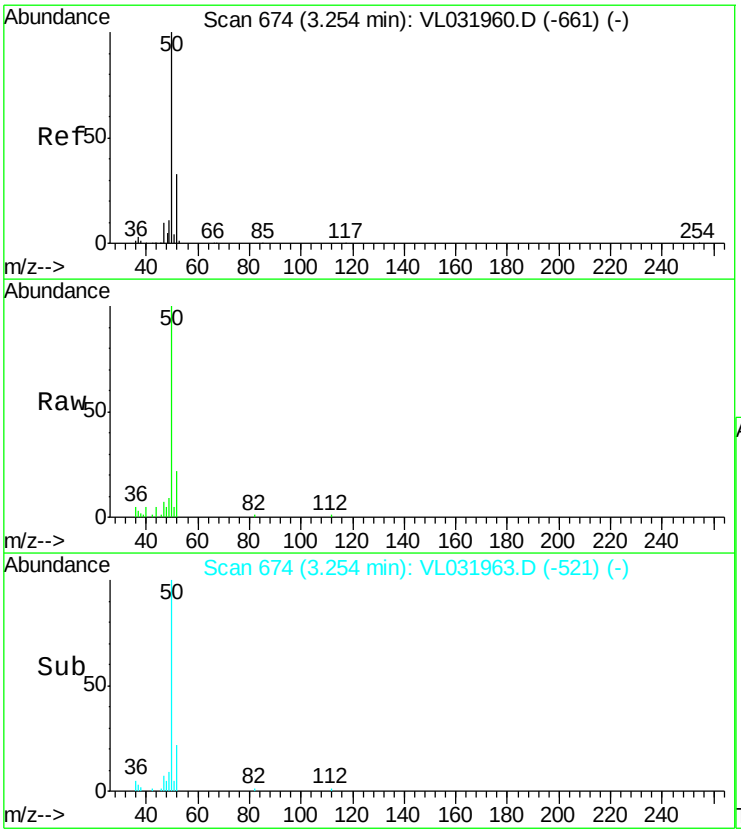
#3
Chlorodifluoromethane
Concen: 0.455 ppbv
RT: 3.10 min Scan# 626
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 51 Resp: 67178

Ion	Ratio	Lower	Upper
51	100		
67	19.3	17.5	26.3



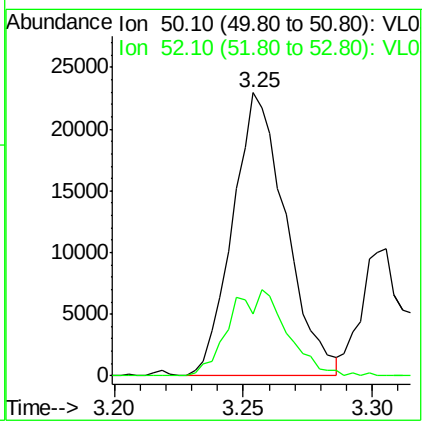
Instrument :
MSVOA_L
ClientSampleId :

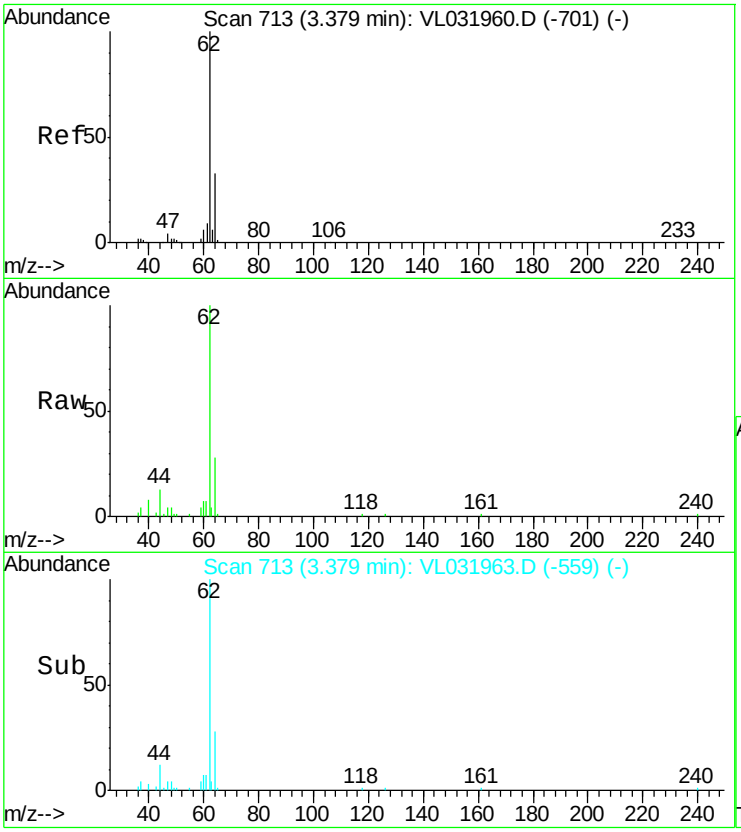


#4
Chloromethane
Concen: 0.441 ppbv
RT: 3.25 min Scan# 674
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 50 Resp: 33240

Ion	Ratio	Lower	Upper
50	100		
52	22.0	28.1	42.1#



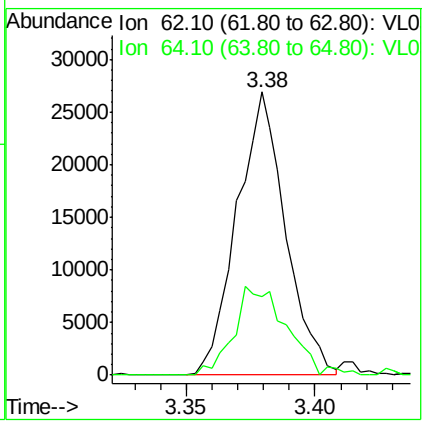


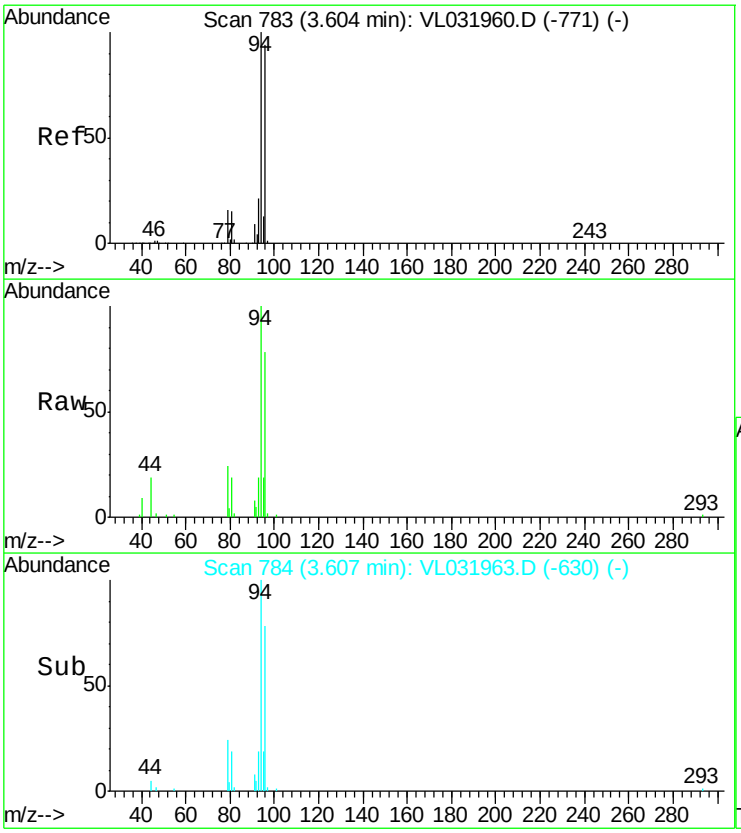
#5
Vinyl Chloride
Concen: 0.418 ppbv
RT: 3.38 min Scan# 713
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 35457

Ion	Ratio	Lower	Upper
62	100		
64	27.9	25.9	38.9

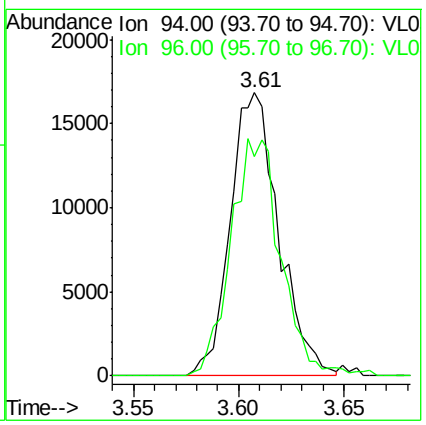


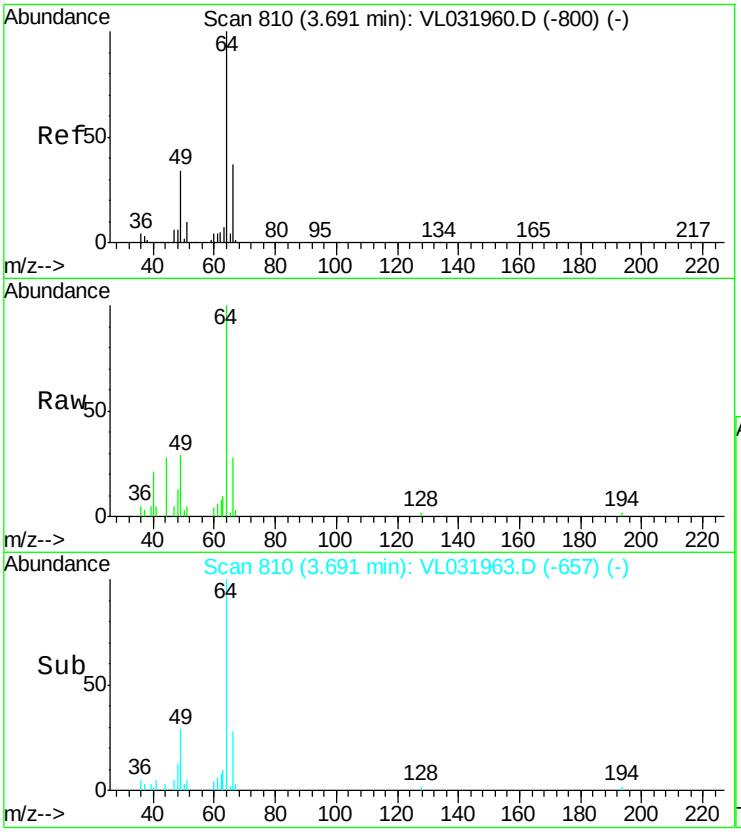


#6
Bromomethane
Concen: 0.480 ppbv
RT: 3.61 min Scan# 784
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 94 Resp: 26773

Ion	Ratio	Lower	Upper
94	100		
96	77.6	73.8	110.6



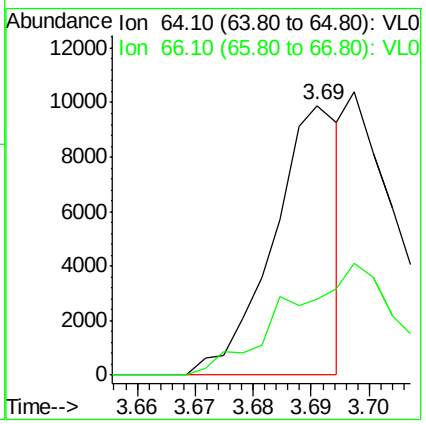


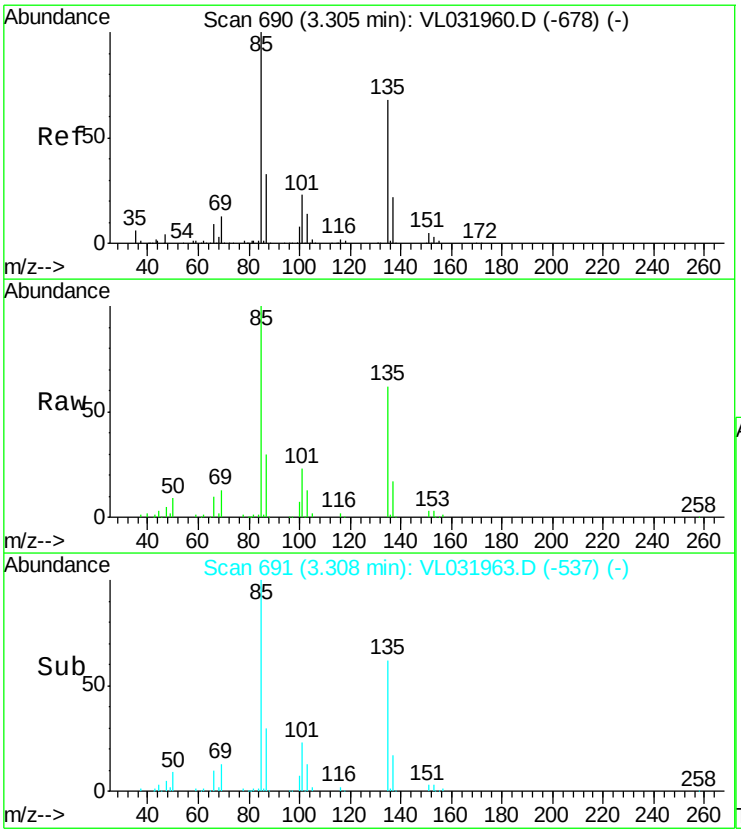
#7
Chloroethane
Concen: 0.234 ppbv
RT: 3.69 min Scan# 810
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 7910

Ion	Ratio	Lower	Upper
64	100		
66	28.0	23.4	35.0

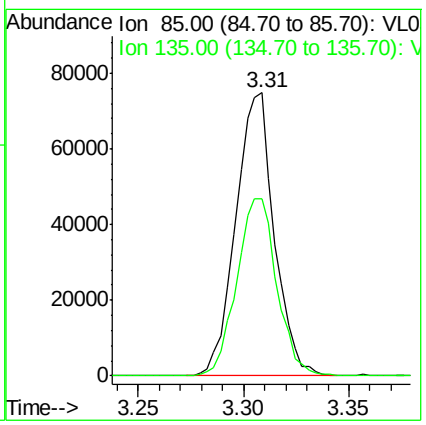


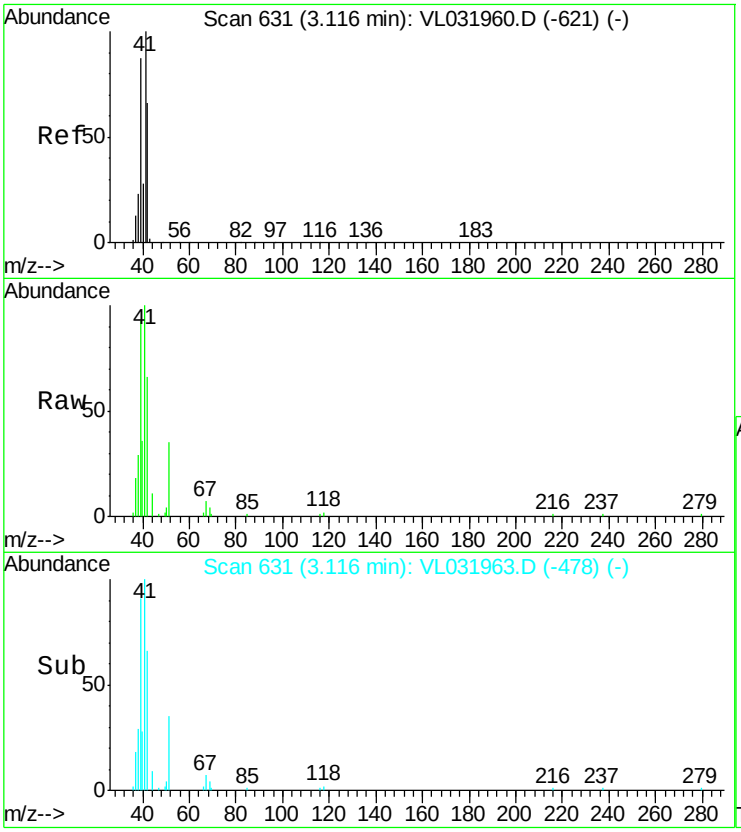


#8
Dichlorotetrafluoroethane
Concen: 0.440 ppbv
RT: 3.31 min Scan# 691
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 85 Resp: 94647

Ion	Ratio	Lower	Upper
85	100		
135	65.2	52.7	79.1



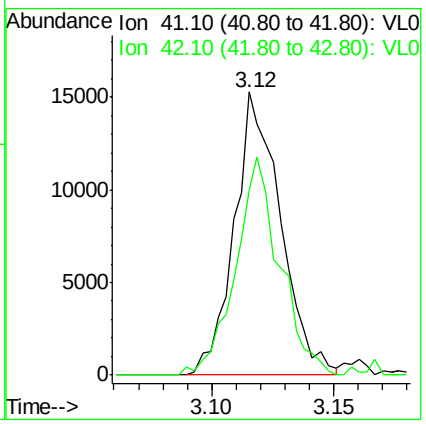


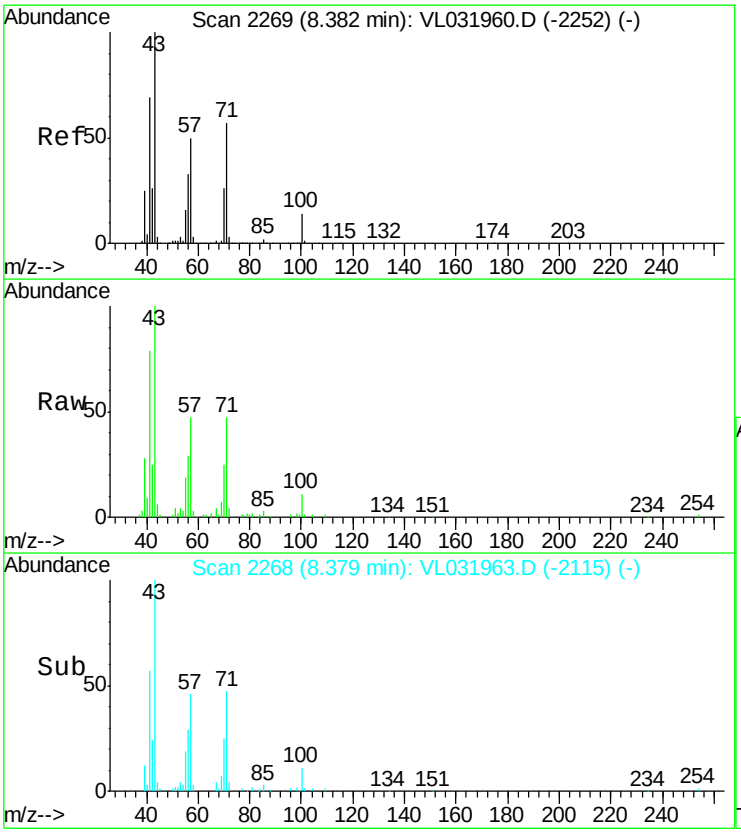
#9
Propene
Concen: 0.393 ppbv
RT: 3.12 min Scan# 631
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 20086

Ion	Ratio	Lower	Upper
41	100		
42	74.9	55.0	82.4

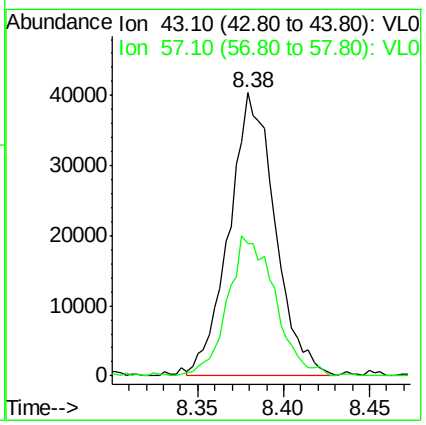


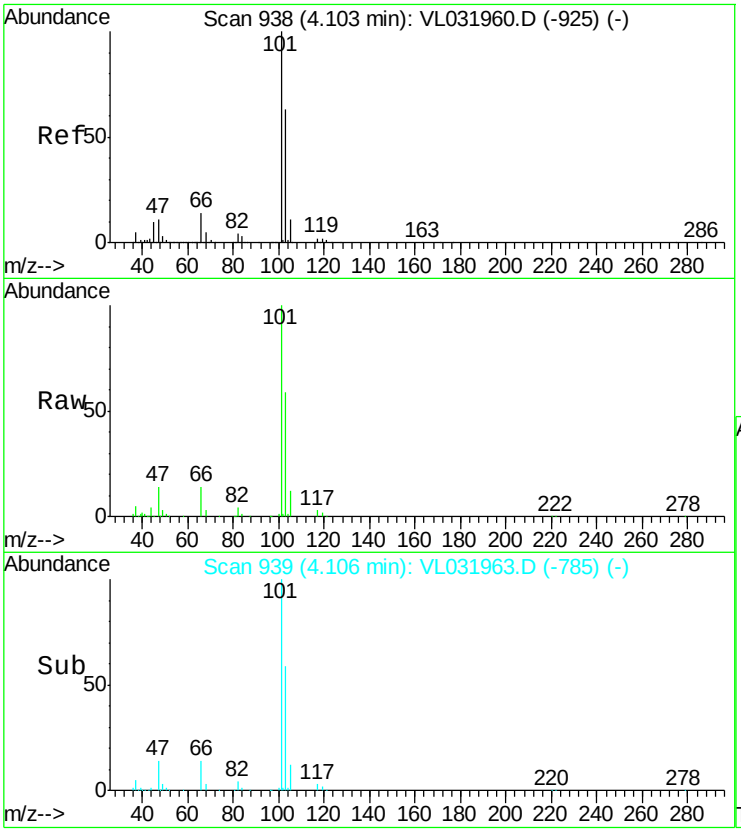


#10
Heptane
Concen: 0.453 ppbv
RT: 8.38 min Scan# 2268
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 43 Resp: 75137

Ion	Ratio	Lower	Upper
43	100		
57	51.5	41.5	62.3



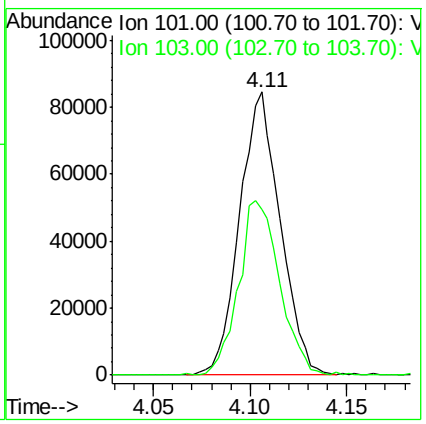


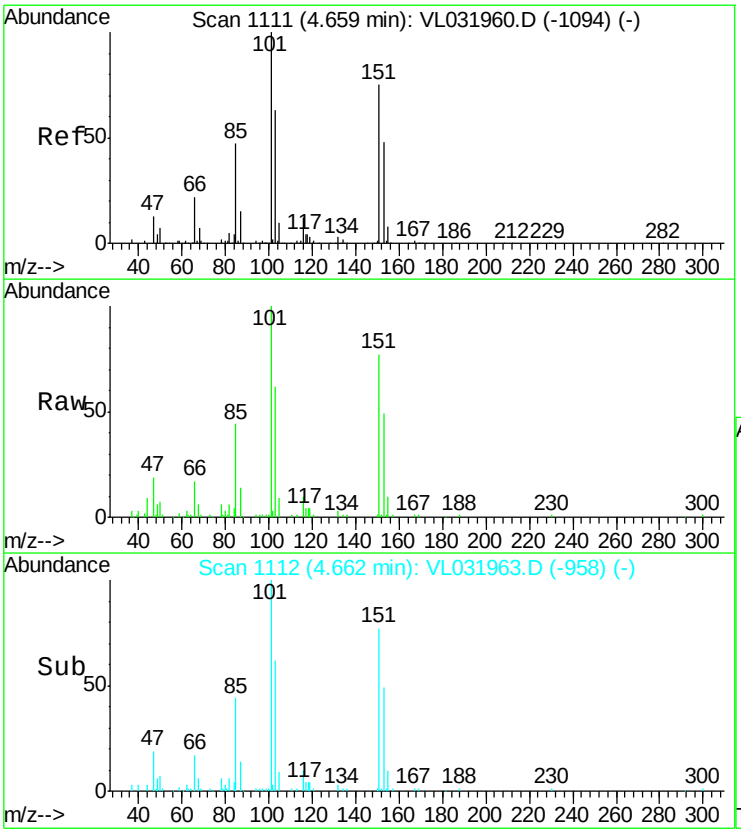
#11
Trichlorofluoromethane
Concen: 0.481 ppbv
RT: 4.11 min Scan# 939
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 123535

Ion	Ratio	Lower	Upper
101	100		
103	57.9	51.8	77.8

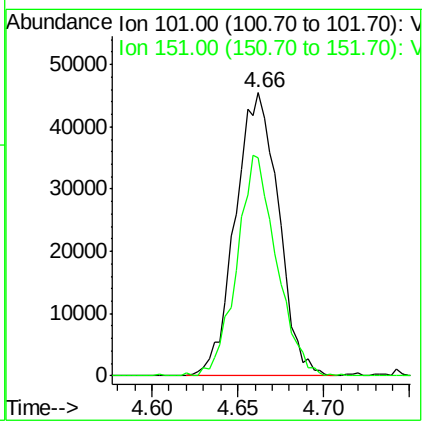


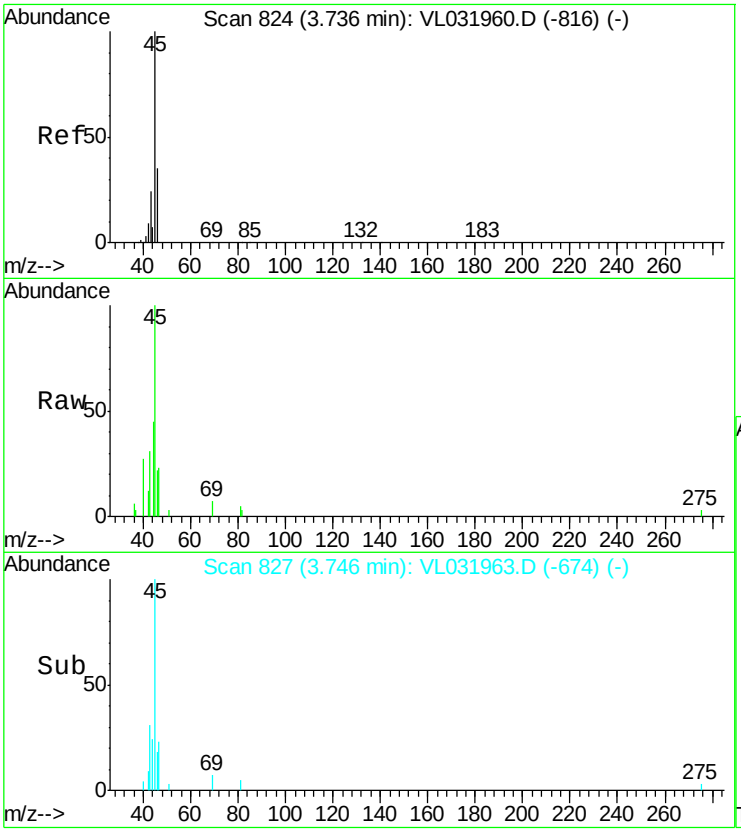


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.474 ppbv
RT: 4.66 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion:101 Resp: 79098

Ion	Ratio	Lower	Upper
101	100		
151	71.6	57.0	85.6



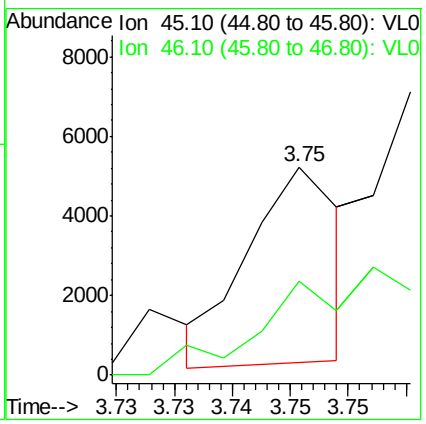


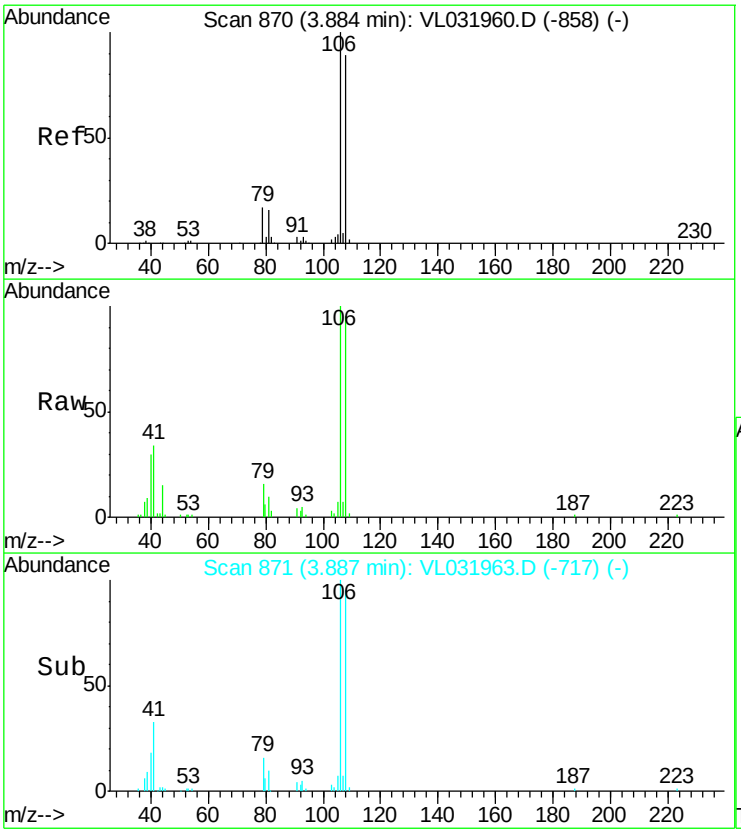
#13
Ethanol
Concen: 0.157 ppbv
RT: 3.75 min Scan# 827
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 2718

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.6	58.6#

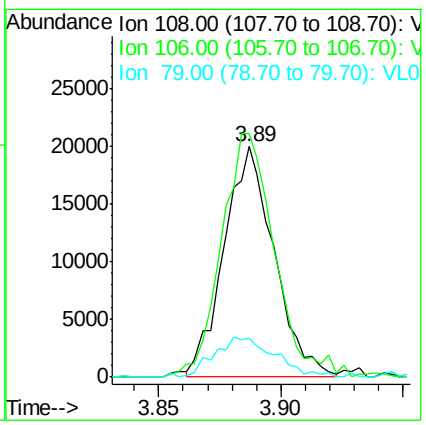


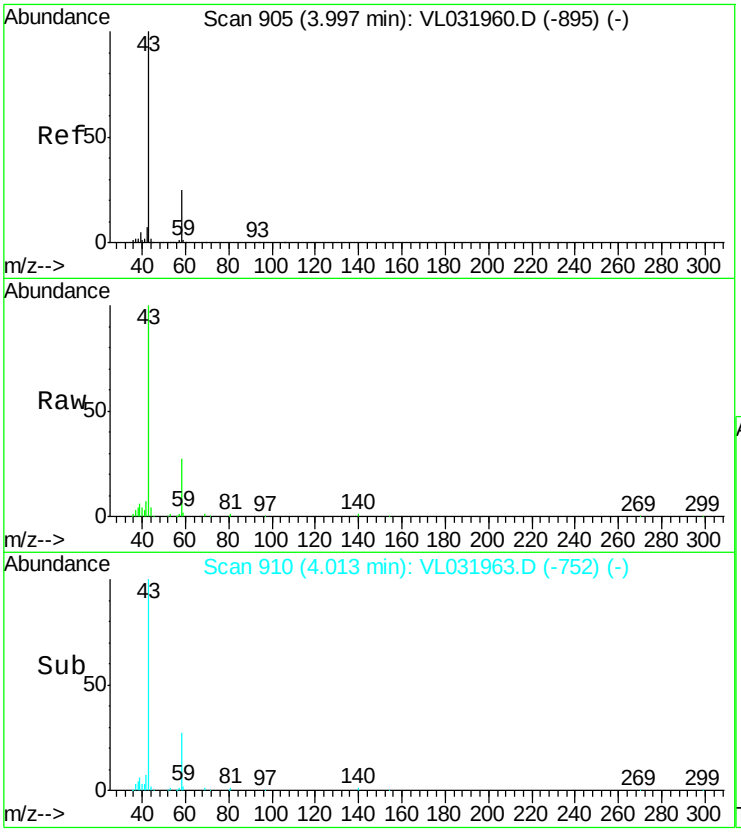


#14
Bromoethene
Concen: 0.453 ppbv
RT: 3.89 min Scan# 871
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion:108 Resp: 28530

Ion	Ratio	Lower	Upper
108	100		
106	112.6	86.6	130.0
79	21.2	15.5	23.3



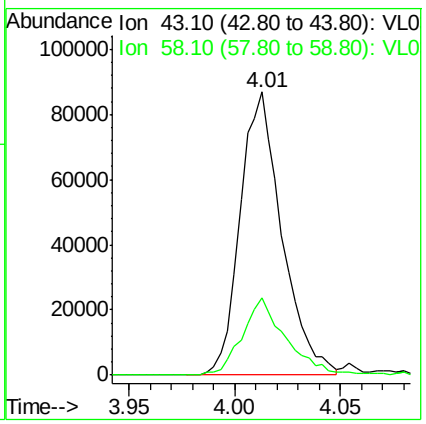


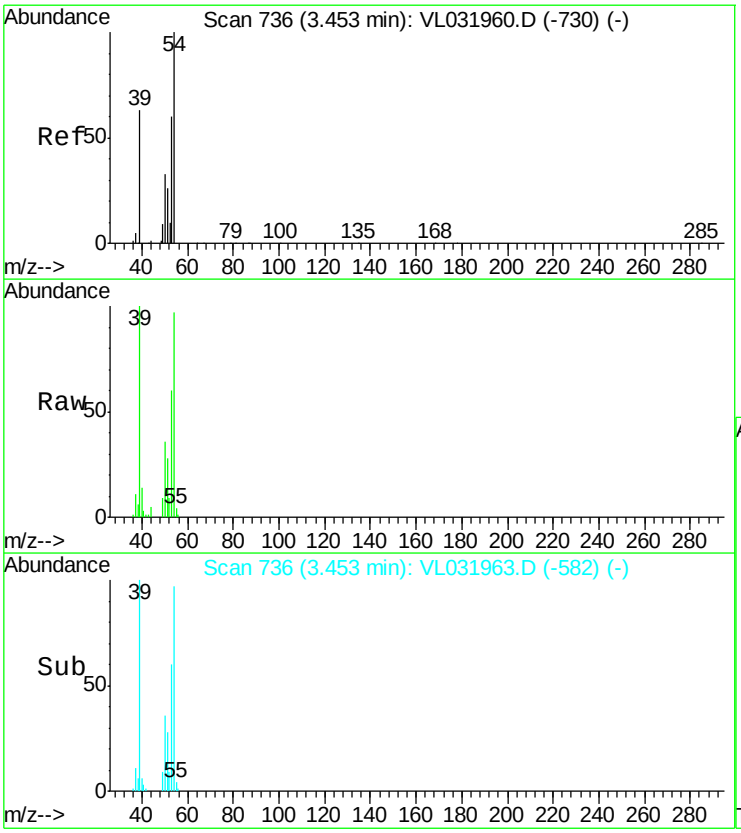
#15
Acetone
Concen: 0.613 ppbv
RT: 4.01 min Scan# 910
Delta R.T. 0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 119810

Ion	Ratio	Lower	Upper
43	100		
58	29.1	20.9	31.3

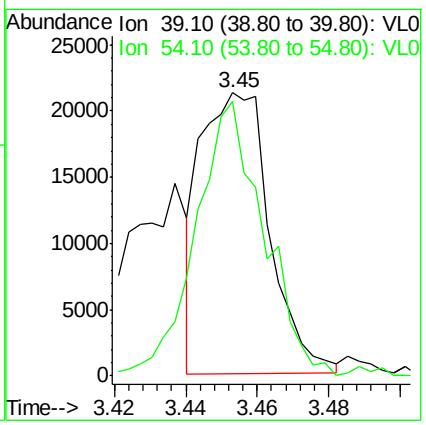


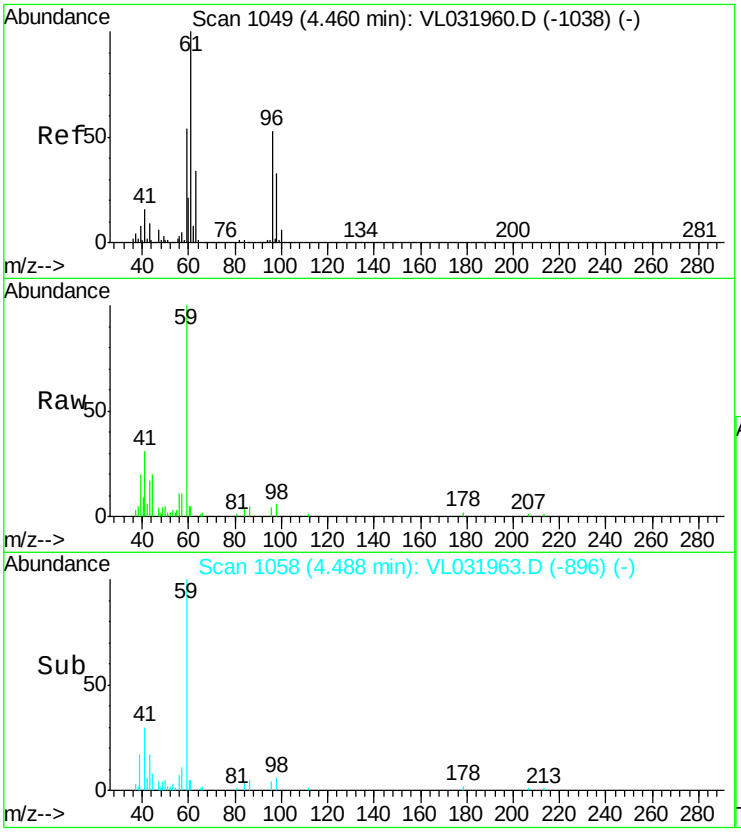


#16
1,3-Butadiene
Concen: 0.393 ppbv
RT: 3.45 min Scan# 736
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 39 Resp: 28465

Ion	Ratio	Lower	Upper
39	100		
54	97.9	63.3	94.9#



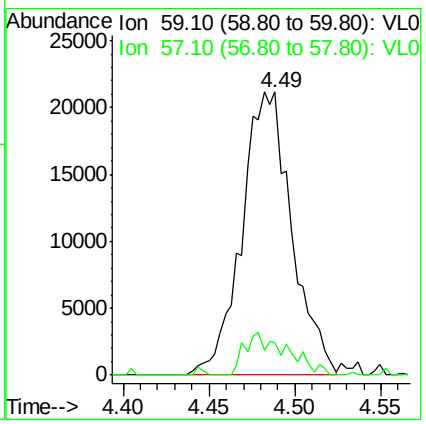


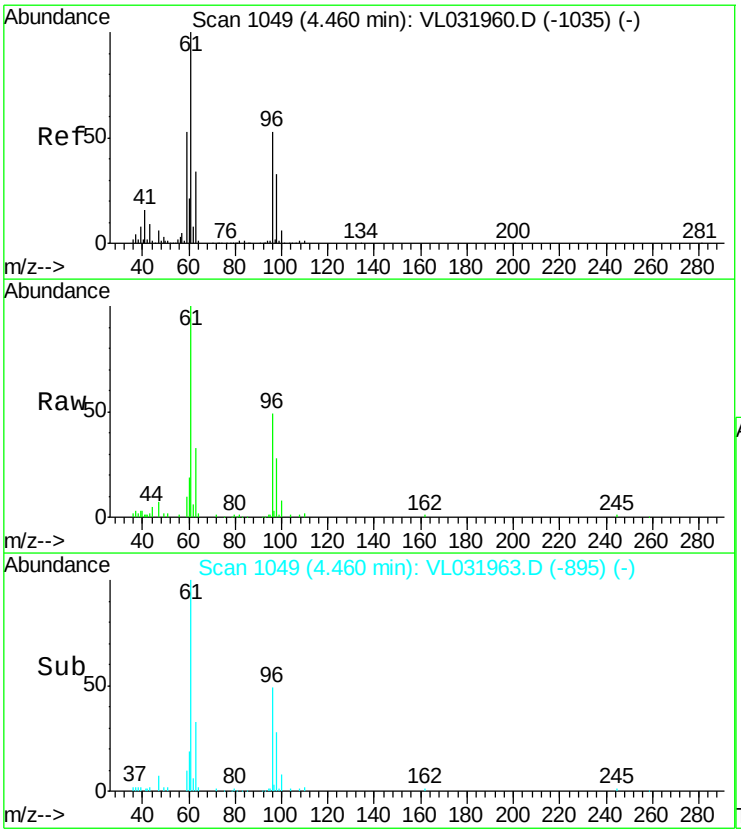
#17
tert-Butyl alcohol
Concen: 0.530 ppbv
RT: 4.49 min Scan# 1058
Delta R.T. 0.02 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 42858

Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.5	12.7#

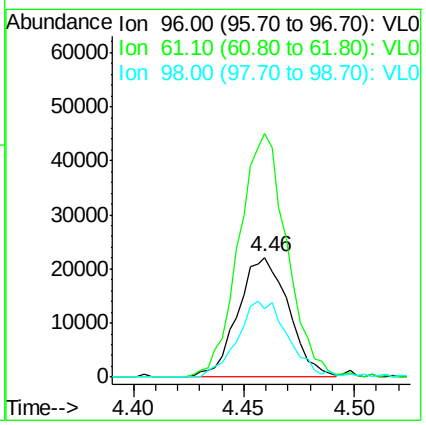


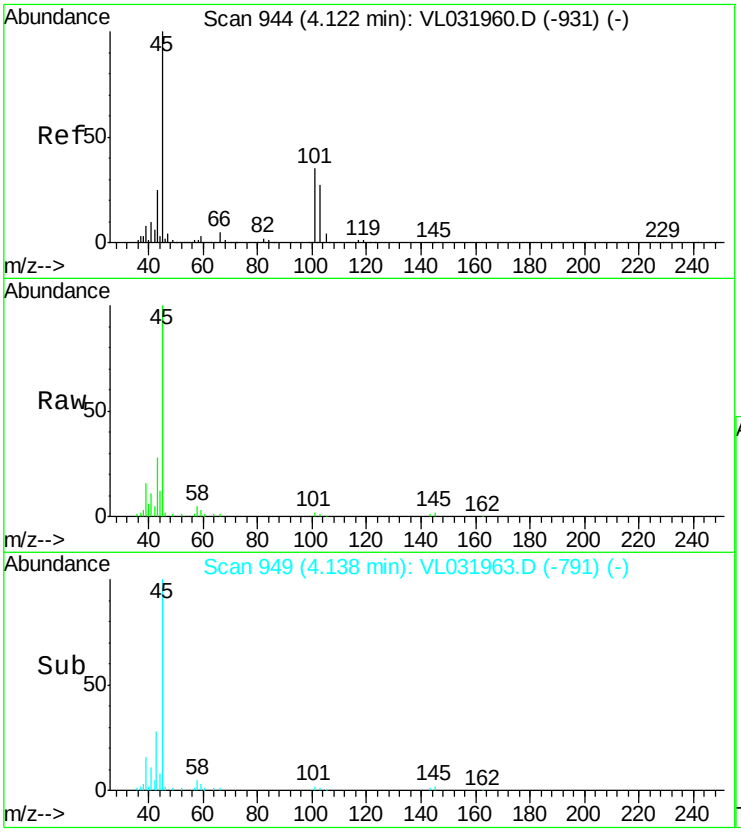


#18
1,1-Dichloroethene
Concen: 0.492 ppbv
RT: 4.46 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 96 Resp: 35308

Ion	Ratio	Lower	Upper
96	100		
61	203.1	161.0	241.6
98	57.1	52.7	79.1



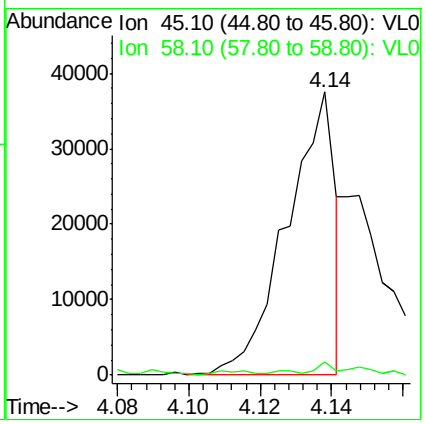


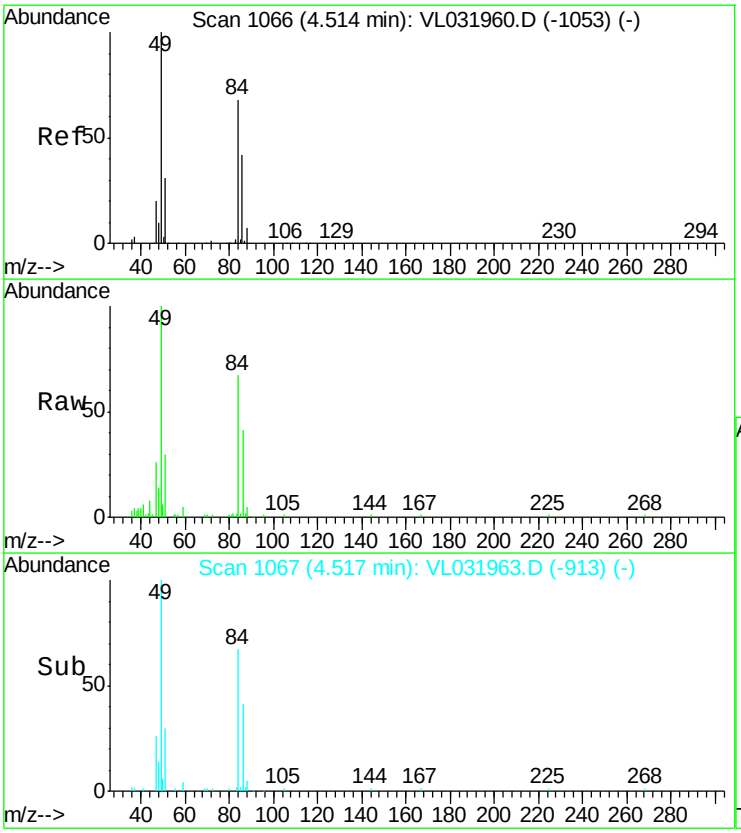
#19
Isopropyl Alcohol
Concen: 0.317 ppbv
RT: 4.14 min Scan# 949
Delta R.T. 0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 34607

Ion	Ratio	Lower	Upper
45	100		
58	6.4	1.7	2.5#

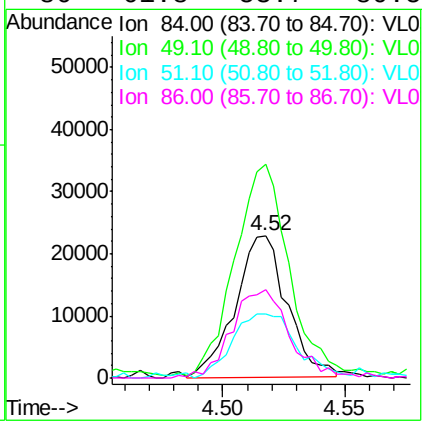


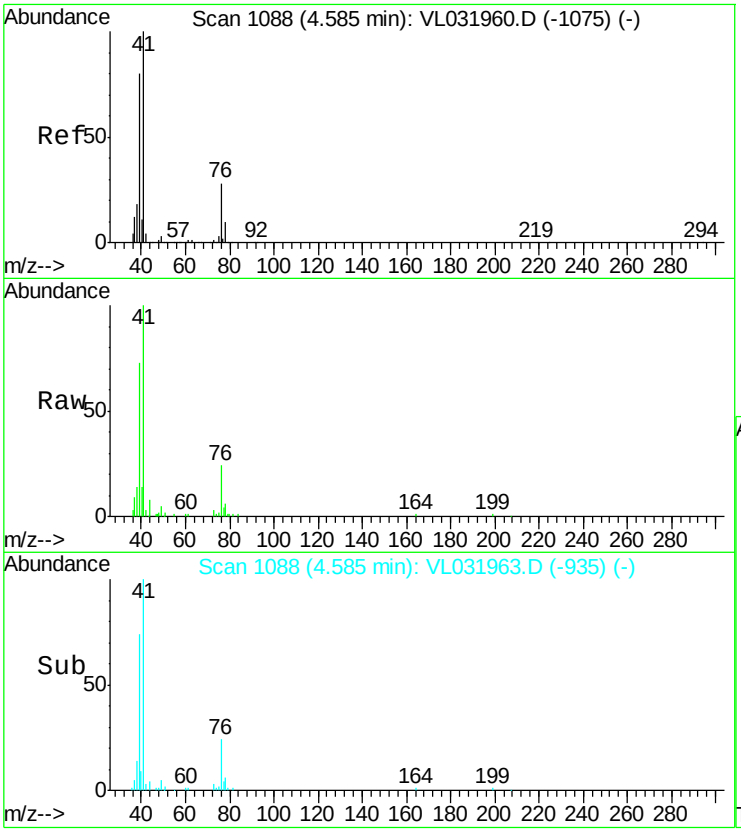


#20
Methylene Chloride
Concen: 0.472 ppbv
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 84 Resp: 33601

Ion	Ratio	Lower	Upper
84	100		
49	149.9	125.6	188.4
51	42.0	36.4	54.6
86	61.8	53.7	80.5



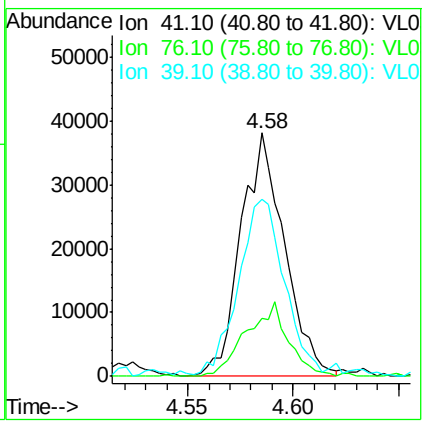


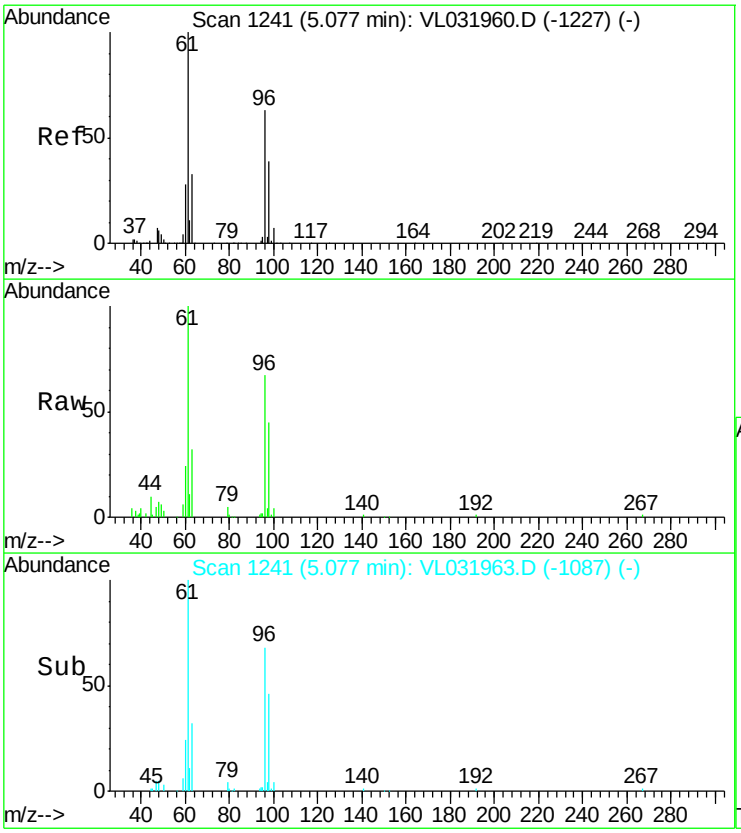
#21
Allvl Chloride
Concen: 0.492 ppbv
RT: 4.58 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 54946

Ion	Ratio	Lower	Upper
41	100		
76	29.8	23.4	35.2
39	81.7	67.6	101.4

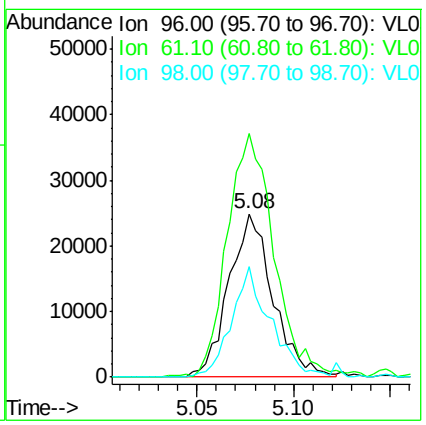


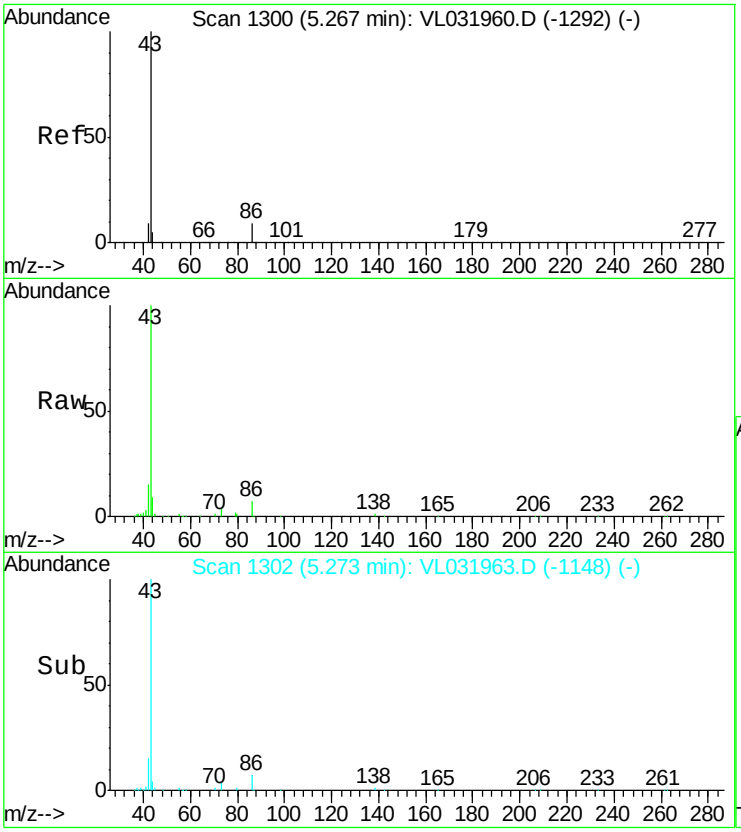


#22
trans-1,2-Dichloroethene
Concen: 0.531 ppbv
RT: 5.08 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 96 Resp: 39476

Ion	Ratio	Lower	Upper
96	100		
61	147.6	131.1	196.7
98	67.4	47.6	71.4



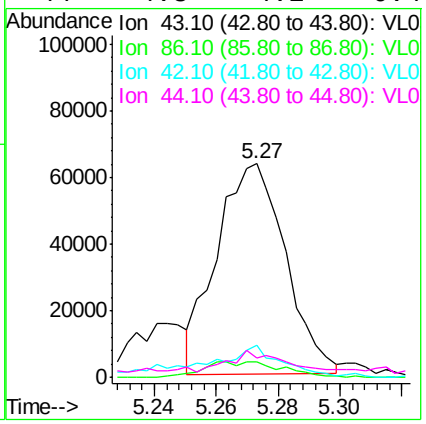


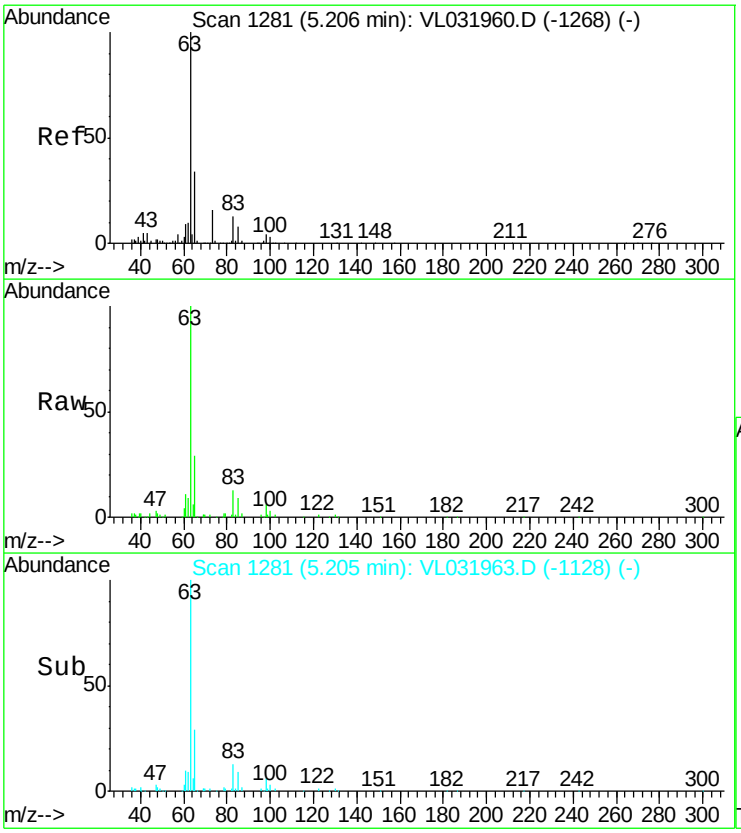
#23
Vinyl Acetate
Concen: 0.495 ppbv
RT: 5.27 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 98226

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.8	8.8
42	15.1	8.5	12.7#
44	4.8	4.2	6.4

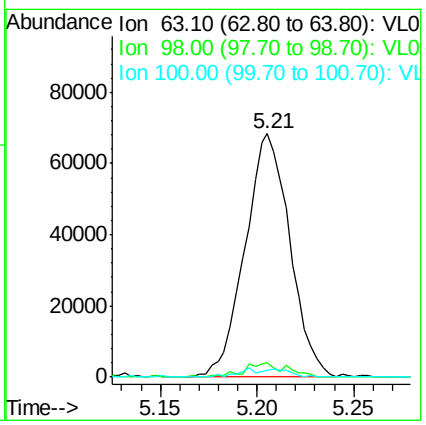


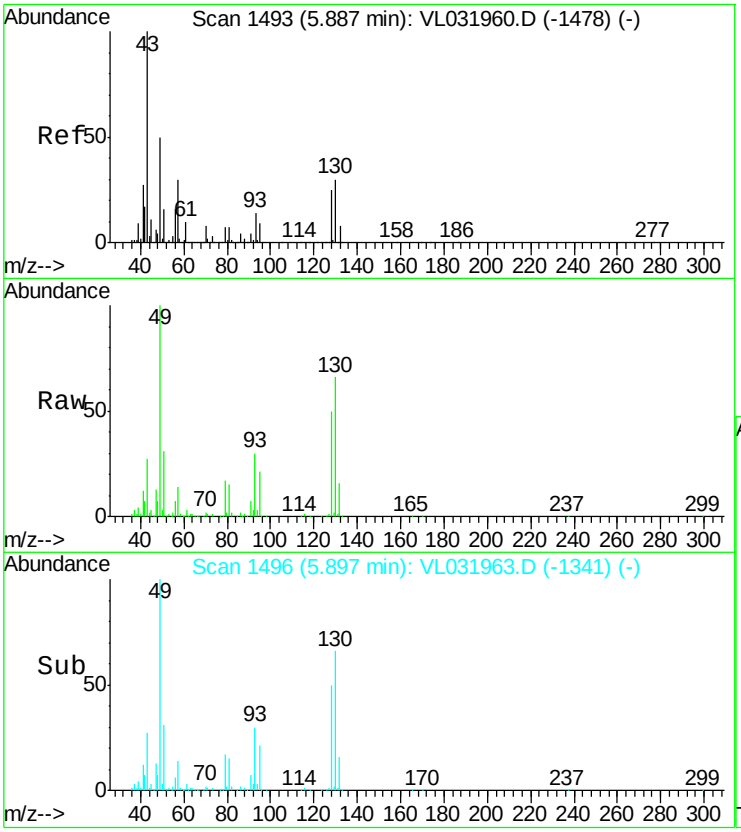


#24
1,1-Dichloroethane
Concen: 0.558 ppbv
RT: 5.21 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 63 Resp: 110196

Ion	Ratio	Lower	Upper
63	100		
98	6.0	2.4	7.2
100	2.7	1.5	4.4



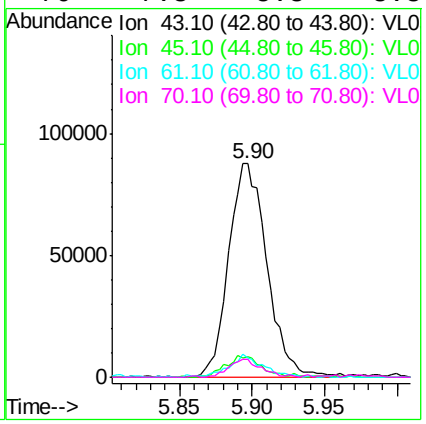


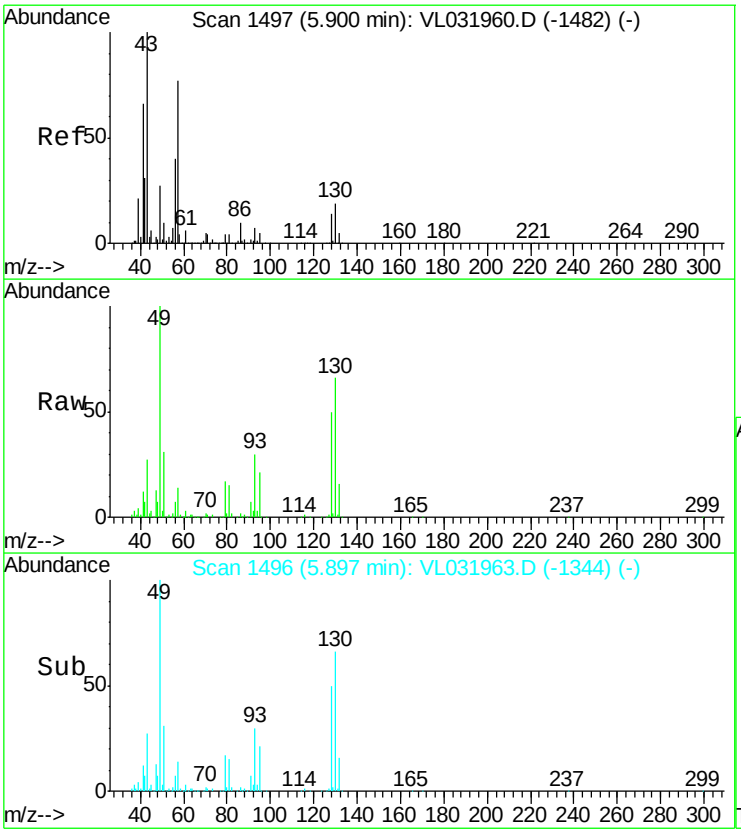
#25
Ethyl Acetate
Concen: 0.525 ppbv
RT: 5.90 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 160236

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.8
61	9.7	7.2	10.8
70	7.3	5.8	8.8

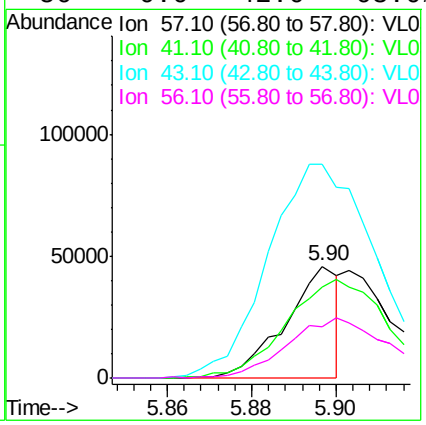


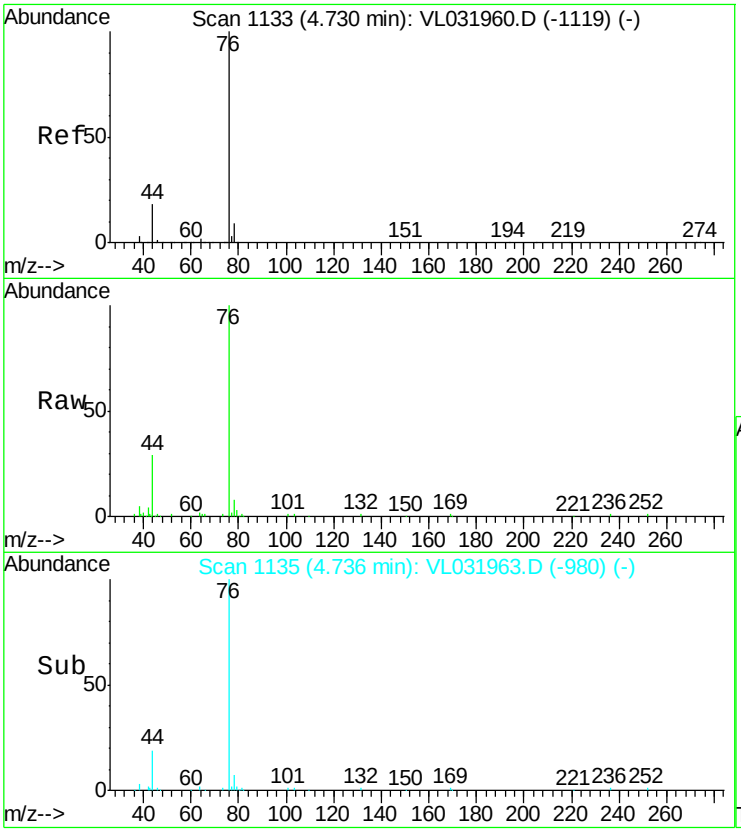


#26
Hexane
Concen: 0.282 ppbv
RT: 5.90 min Scan# 1496
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 57 Resp: 40034

Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.0	108.0#
43	401.2	169.8	254.8#
56	0.0	42.0	63.0#



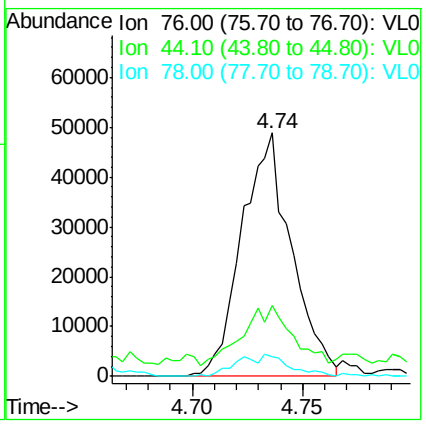


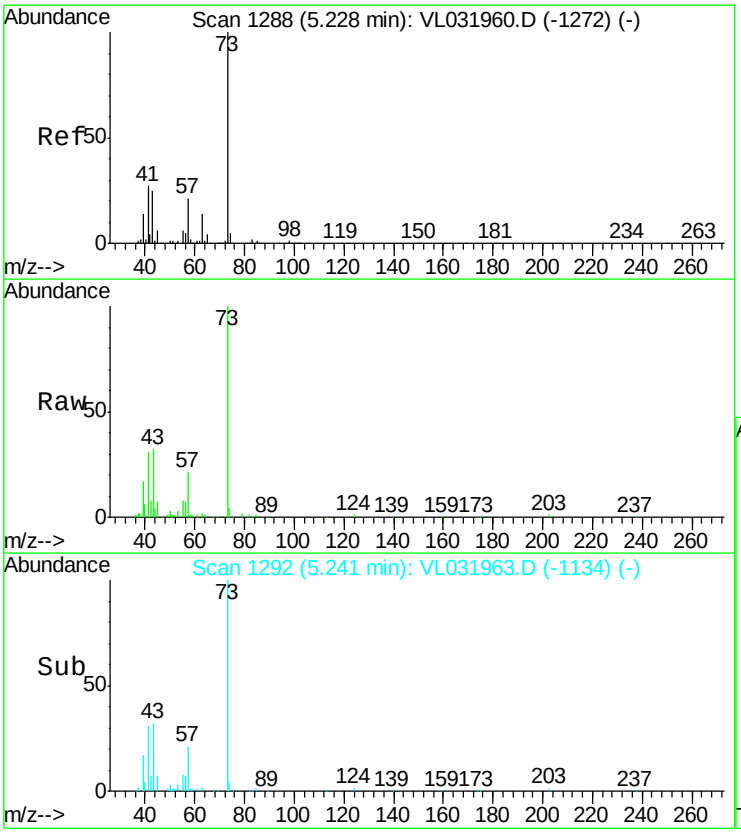
#27
Carbon Disulfide
Concen: 0.413 ppbv
RT: 4.74 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 76164

Ion	Ratio	Lower	Upper
76	100		
44	31.0	15.6	23.4#
78	10.0	7.6	11.4

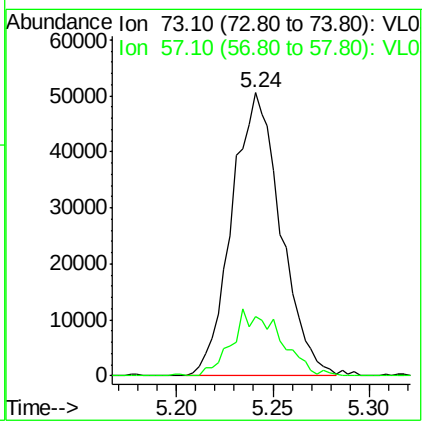


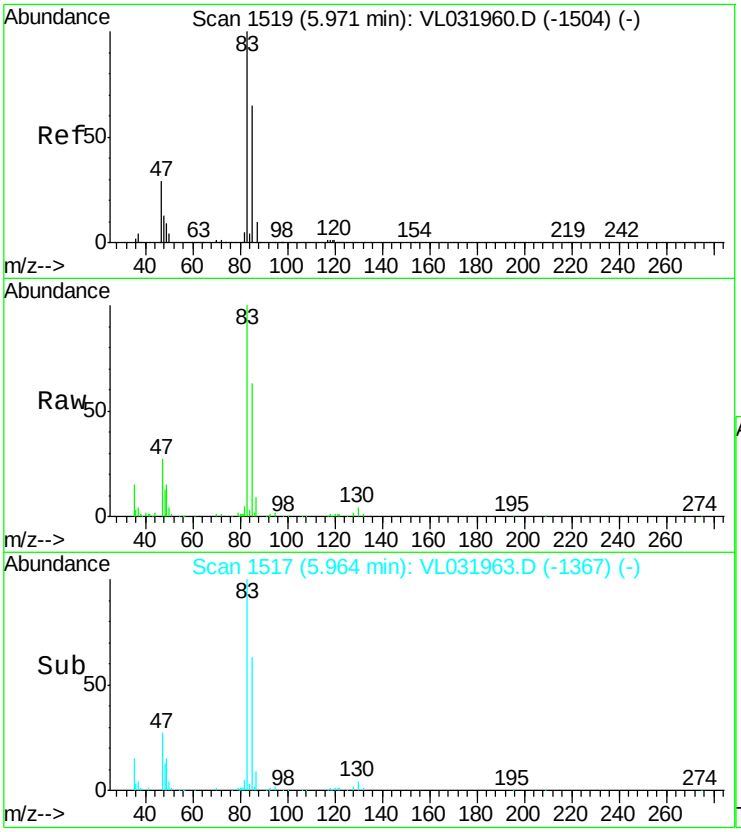


#28
Methyl tert-Butyl Ether
Concen: 0.509 ppbv
RT: 5.24 min Scan# 1292
Delta R.T. 0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 73 Resp: 89107

Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.6	26.4



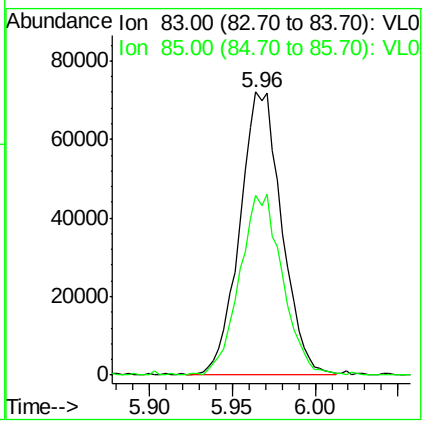


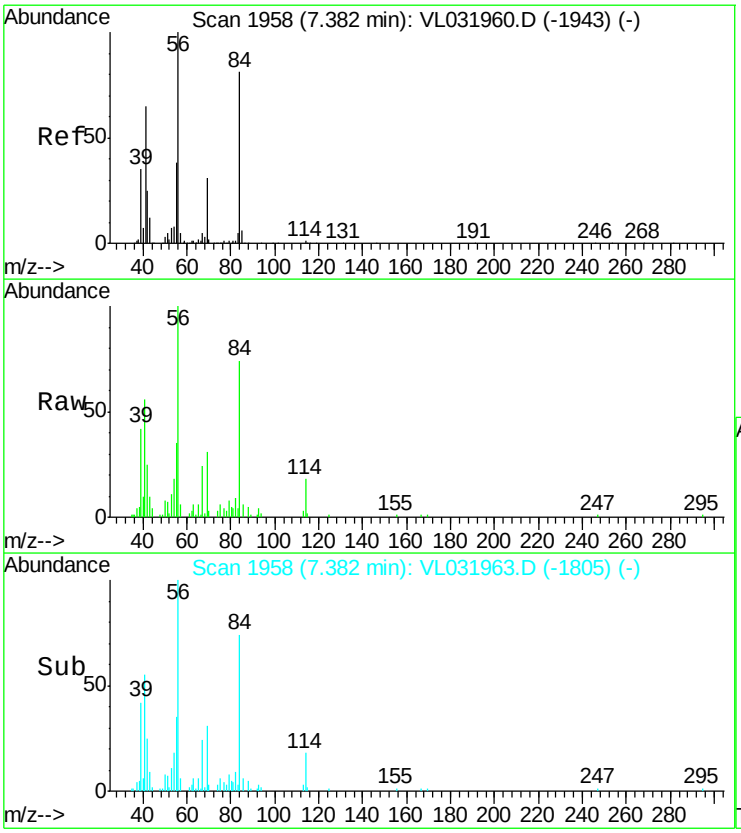
#29
Chloroform
Concen: 0.524 ppbv
RT: 5.96 min Scan# 1517
Delta R.T. -0.02 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 126235

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.0

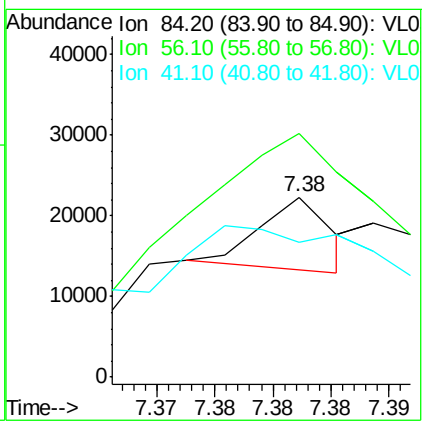


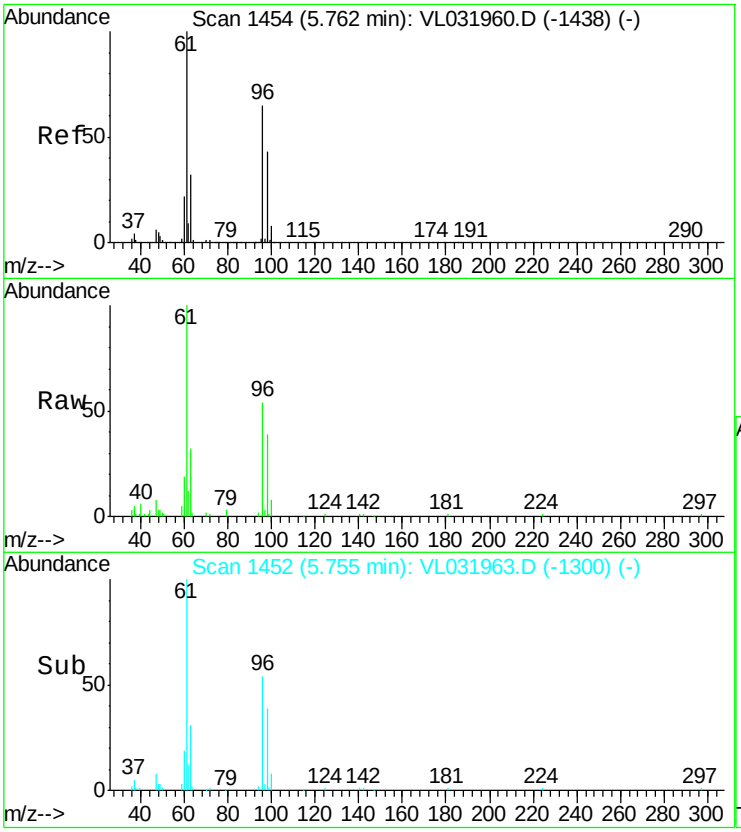


#30
Cyclohexane
Concen: 0.037 ppbv
RT: 7.38 min Scan# 1958
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 84 Resp: 3728

Ion	Ratio	Lower	Upper
84	100		
56	1333.1	107.7	161.5#
41	1025.5	68.2	102.2#



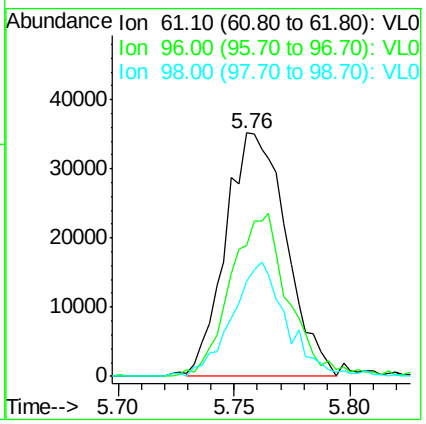


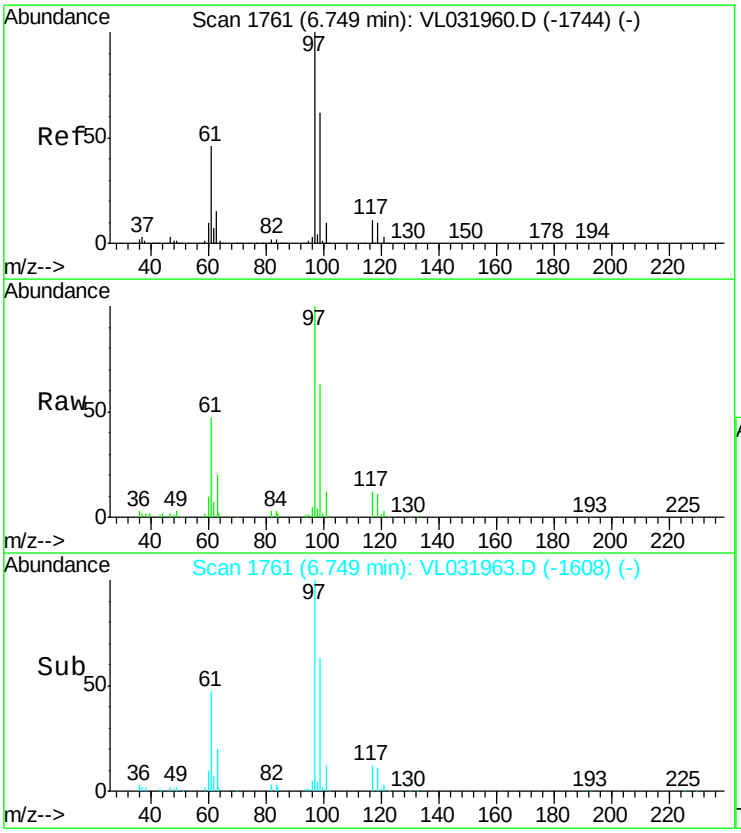
#31
cis-1,2-Dichloroethene
Concen: 0.496 ppbv
RT: 5.76 min Scan# 1452
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 63896

Ion	Ratio	Lower	Upper
61	100		
96	50.9	47.6	71.4
98	38.8	30.3	45.5

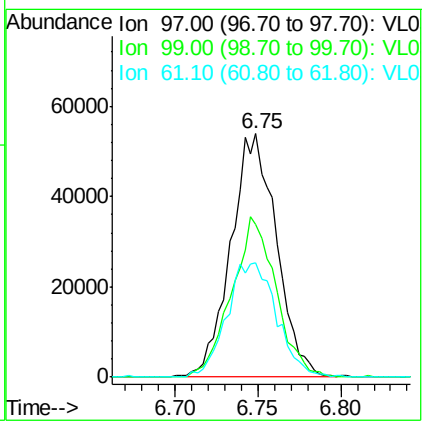


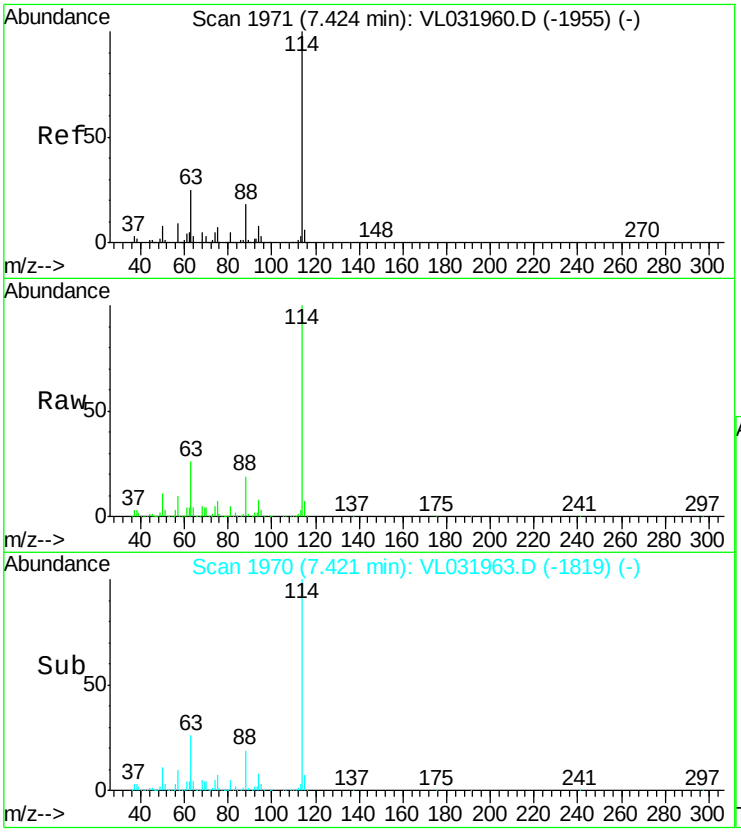


#32
1,1,1-Trichloroethane
Concen: 0.438 ppbv
RT: 6.75 min Scan# 1761
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 97 Resp: 102716

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.5	77.3
61	51.6	40.0	60.0



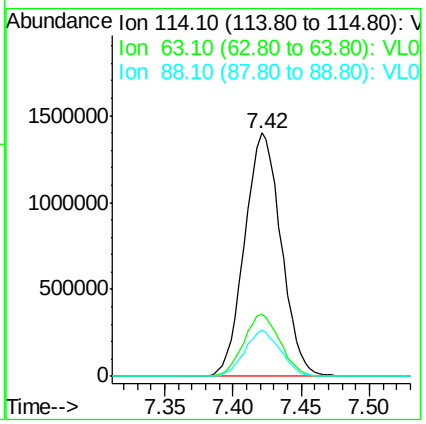


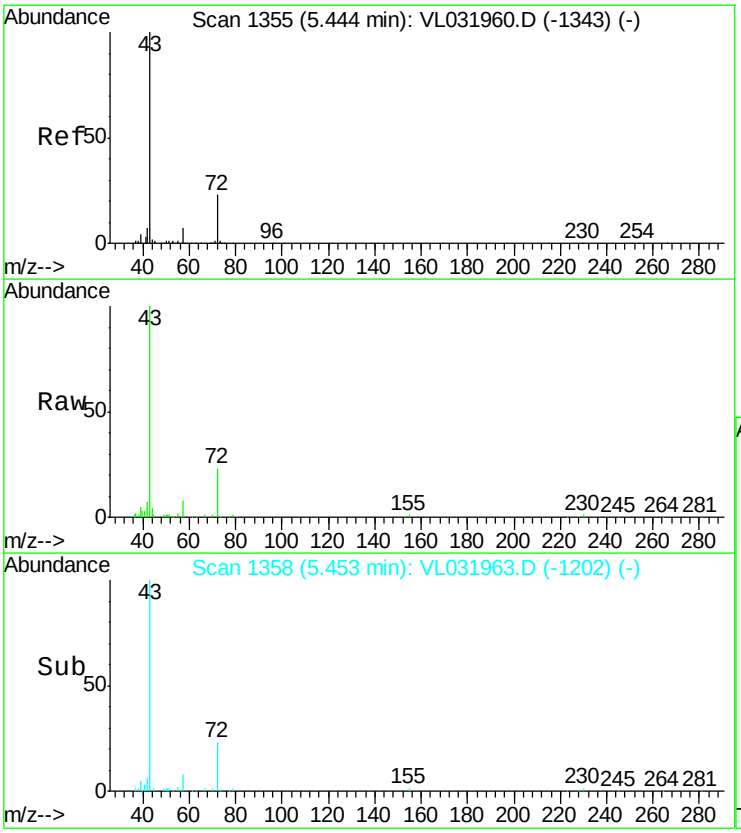
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.42 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2606501

Ion	Ratio	Lower	Upper
114	100		
63	25.7	21.8	32.6
88	18.6	14.6	22.0

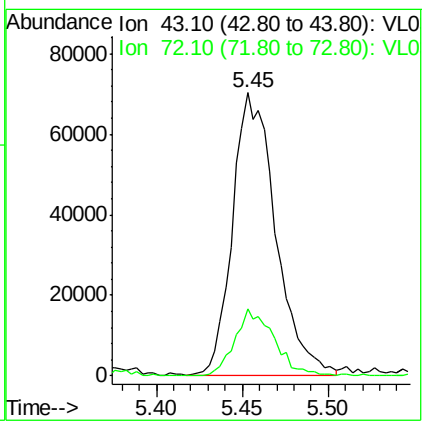


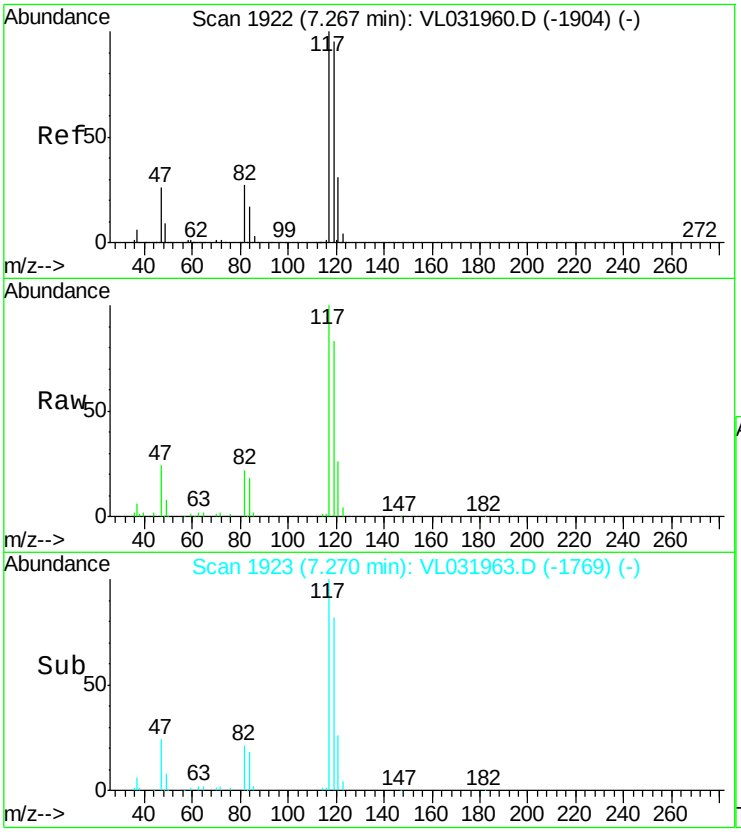


#34
2-Butanone
Concen: 0.676 ppbv
RT: 5.45 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 43 Resp: 122209

Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.6	27.8



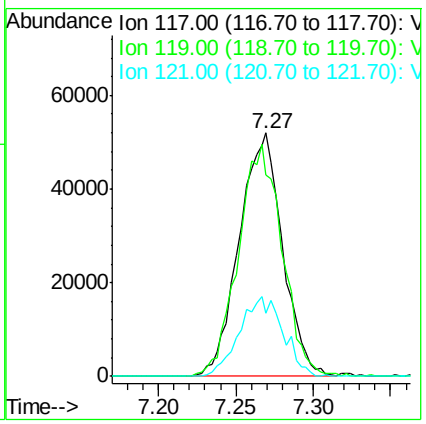


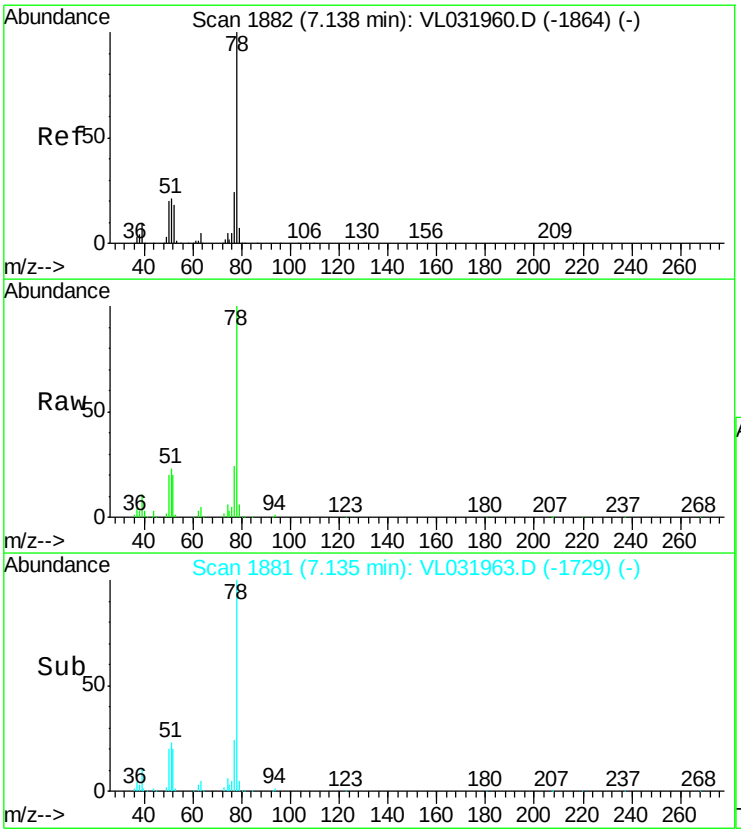
#35
Carbon Tetrachloride
Concen: 0.447 ppbv
RT: 7.27 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 101258

Ion	Ratio	Lower	Upper
117	100		
119	82.8	76.9	115.3
121	25.8	24.5	36.7

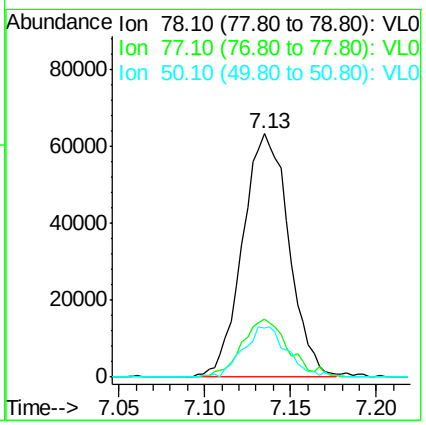


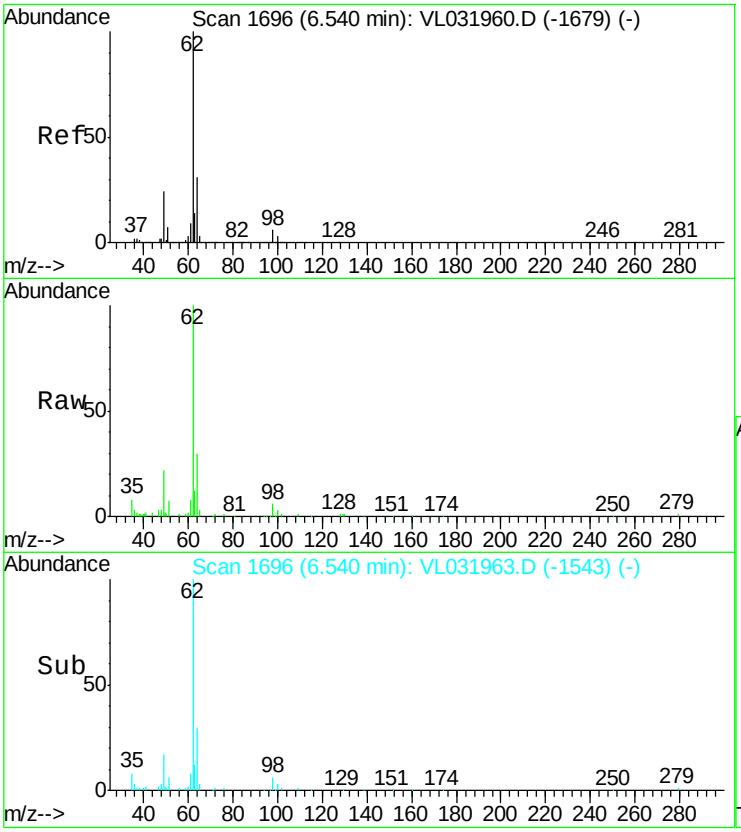


#36
Benzene
Concen: 0.505 ppbv
RT: 7.13 min Scan# 1881
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 78 Resp: 118420

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8
50	20.4	16.7	25.1



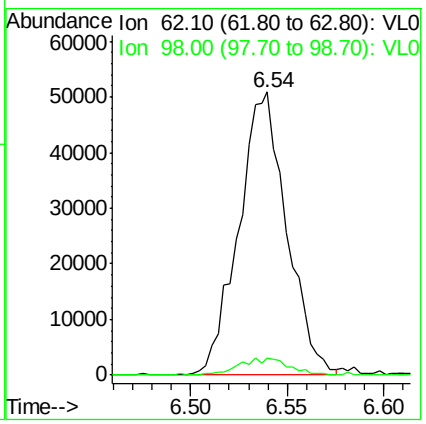


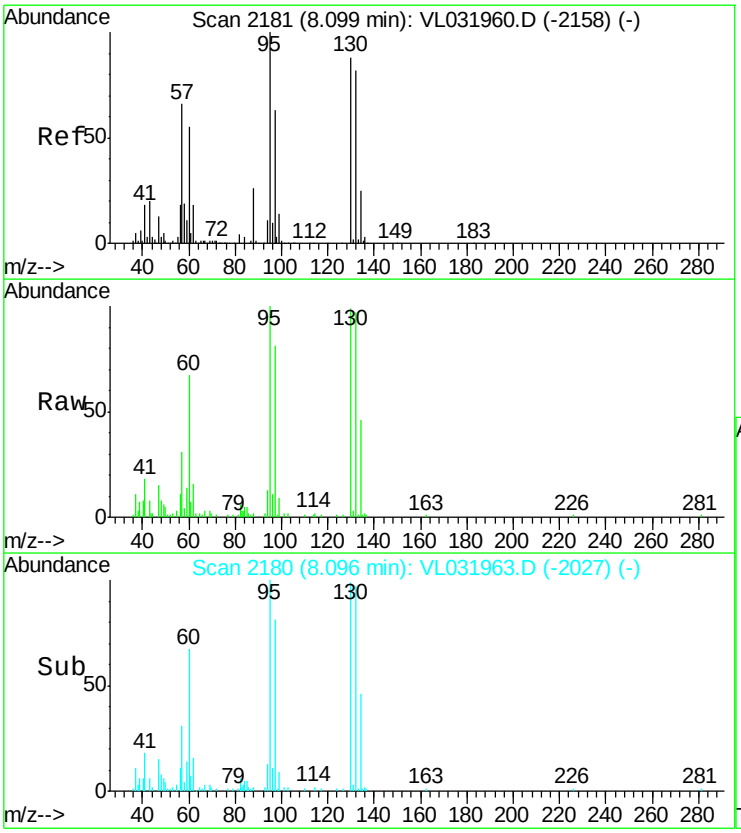
#37
1,2-Dichloroethane
Concen: 0.505 ppbv
RT: 6.54 min Scan# 1696
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 88120

Ion	Ratio	Lower	Upper
62	100		
98	6.3	4.0	6.0#

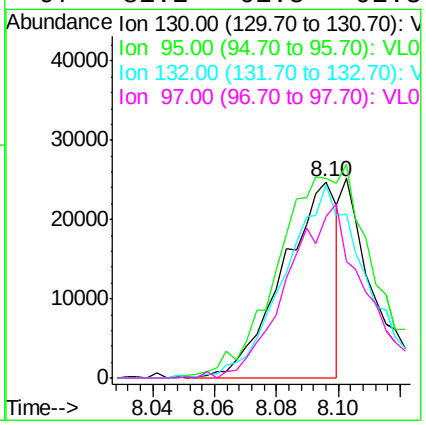


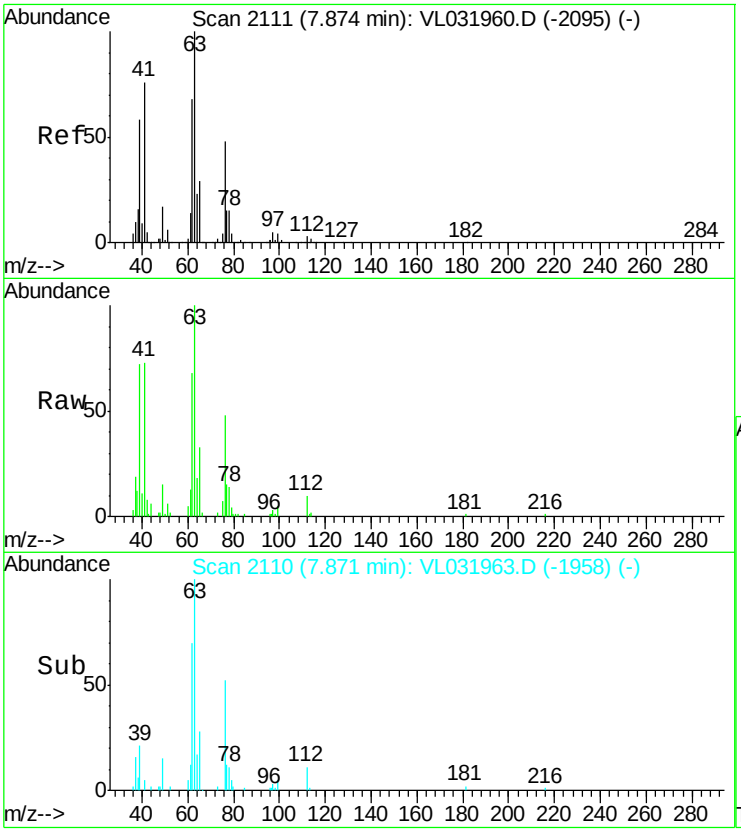


#38
Trichloroethene
Concen: 0.315 ppbv
RT: 8.10 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion:130 Resp: 29966

Ion	Ratio	Lower	Upper
130	100		
95	100.1	96.6	144.8
132	97.8	79.1	118.7
97	81.2	61.5	92.3



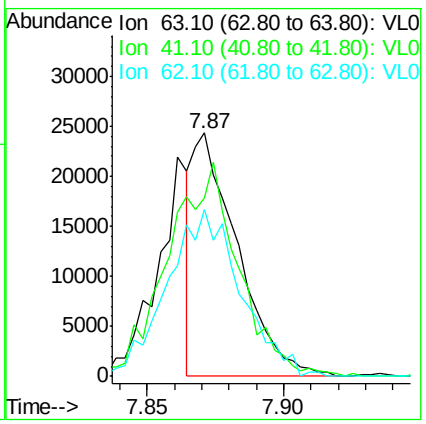


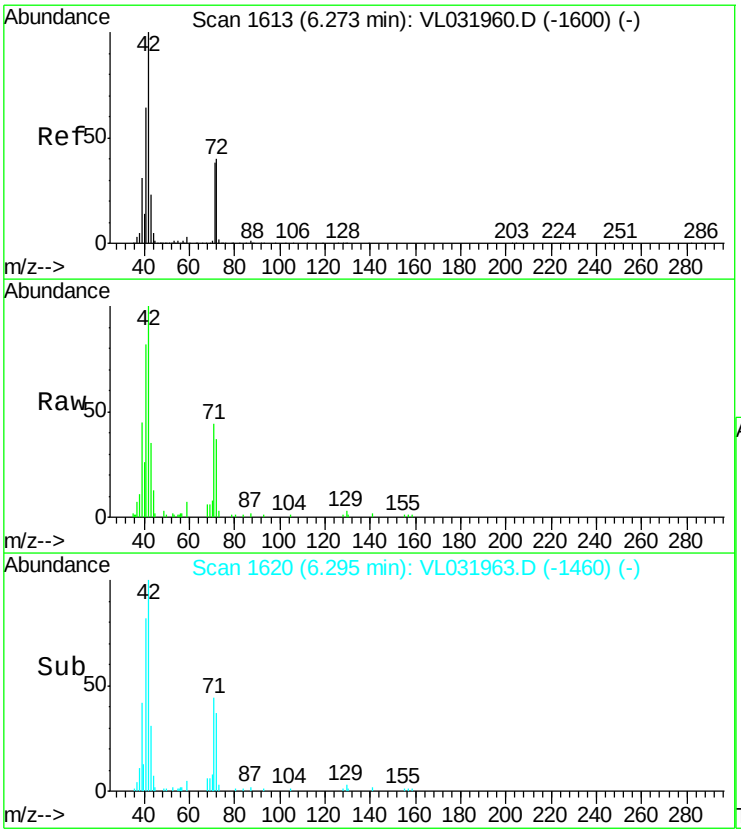
#39
1,2-Dichloropropane
Concen: 0.315 ppbv
RT: 7.87 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 27478

Ion	Ratio	Lower	Upper
63	100		
41	72.4	65.8	98.6
62	68.3	55.0	82.6

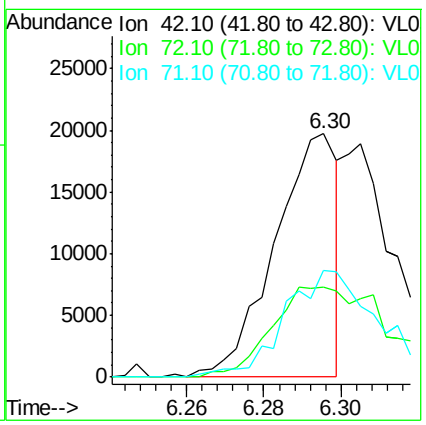


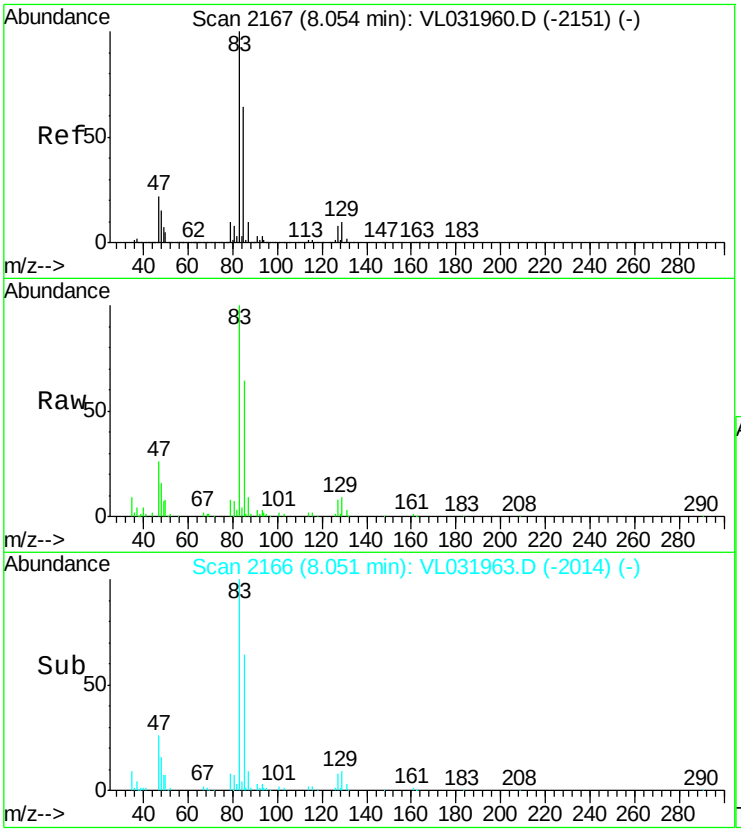


#41
Tetrahydrofuran
Concen: 0.265 ppbv
RT: 6.30 min Scan# 1620
Delta R.T. 0.02 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 42 Resp: 22147

Ion	Ratio	Lower	Upper
42	100		
72	69.8	33.2	49.8#
71	69.4	31.5	47.3#



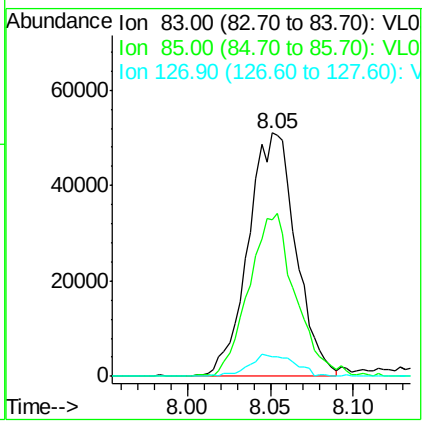


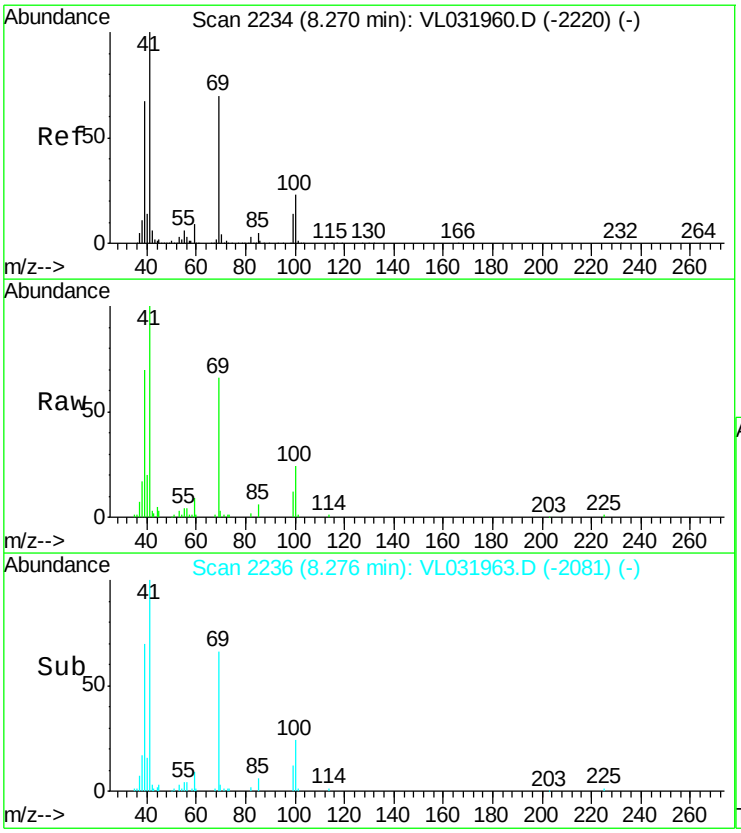
#42
Bromodichloromethane
Concen: 0.490 ppbv
RT: 8.05 min Scan# 2166
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 102241

Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.5	75.7
127	8.0	6.0	9.0

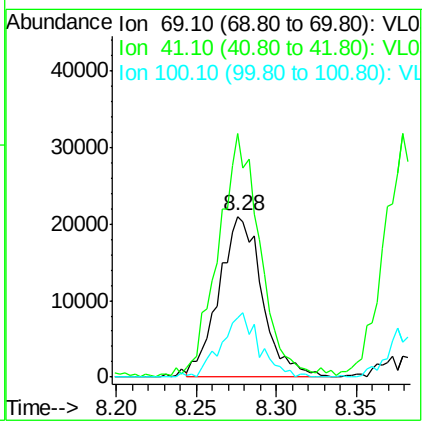


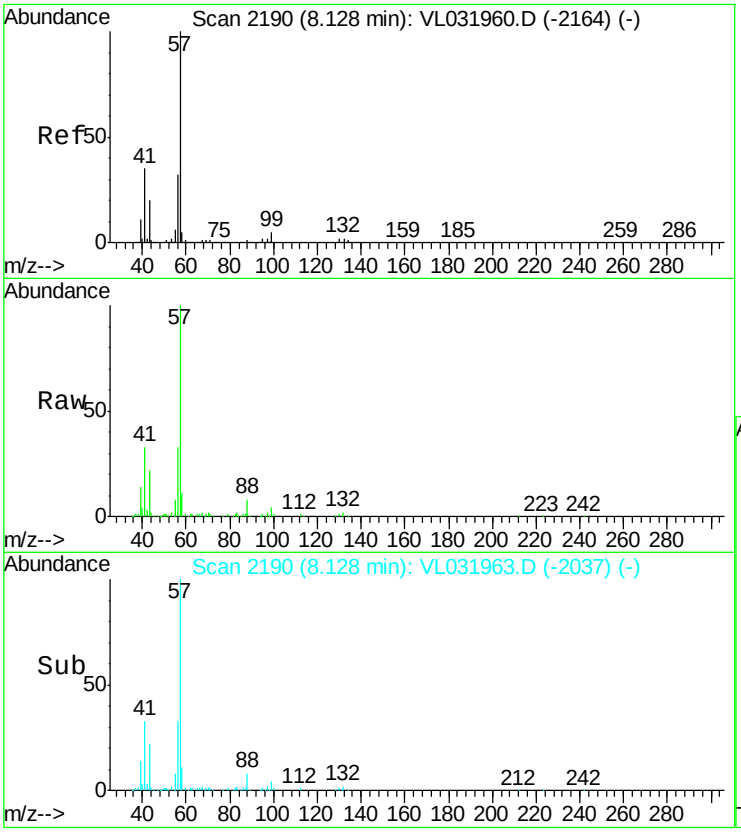


#43
Methyl Methacrylate
Concen: 0.468 ppbv
RT: 8.28 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 69 Resp: 38650

Ion	Ratio	Lower	Upper
69	100		
41	147.7	117.8	176.8
100	35.5	24.6	37.0



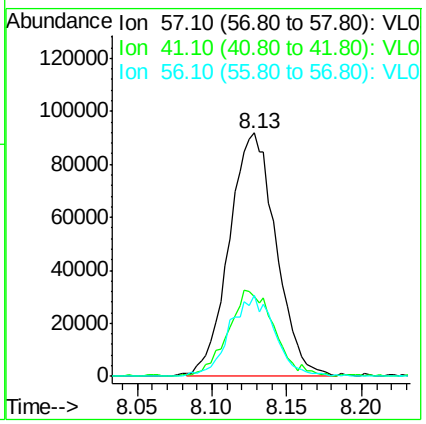


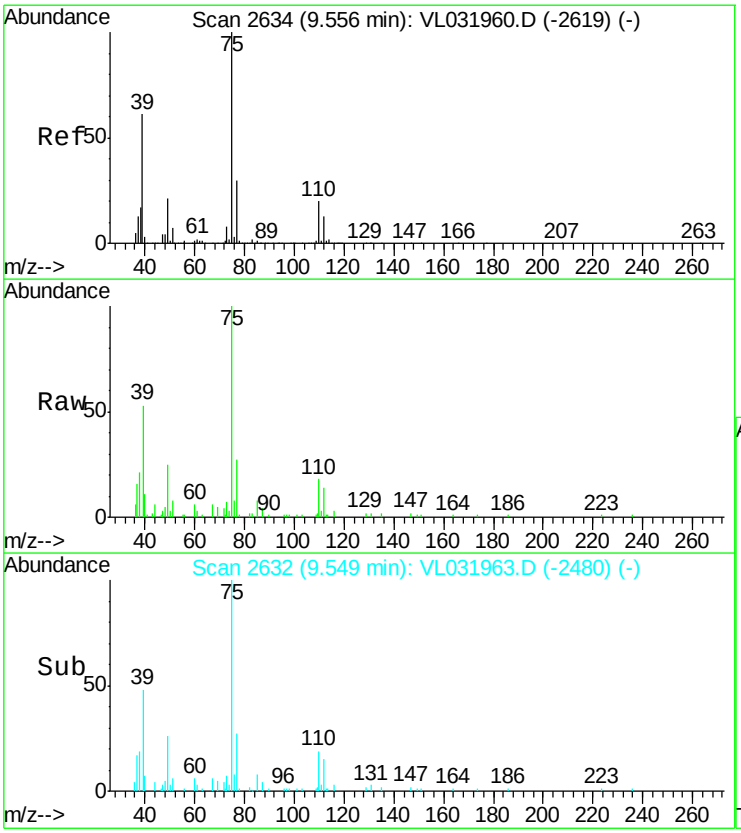
#44
2,2,4-Trimethylpentane
Concen: 0.495 ppbv
RT: 8.13 min Scan# 2190
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 199956

Ion	Ratio	Lower	Upper
57	100		
41	35.7	27.0	40.6
56	31.9	24.1	36.1

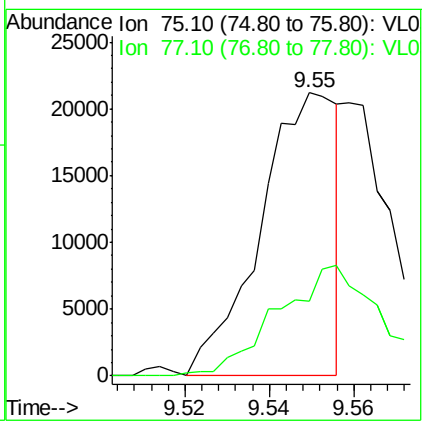


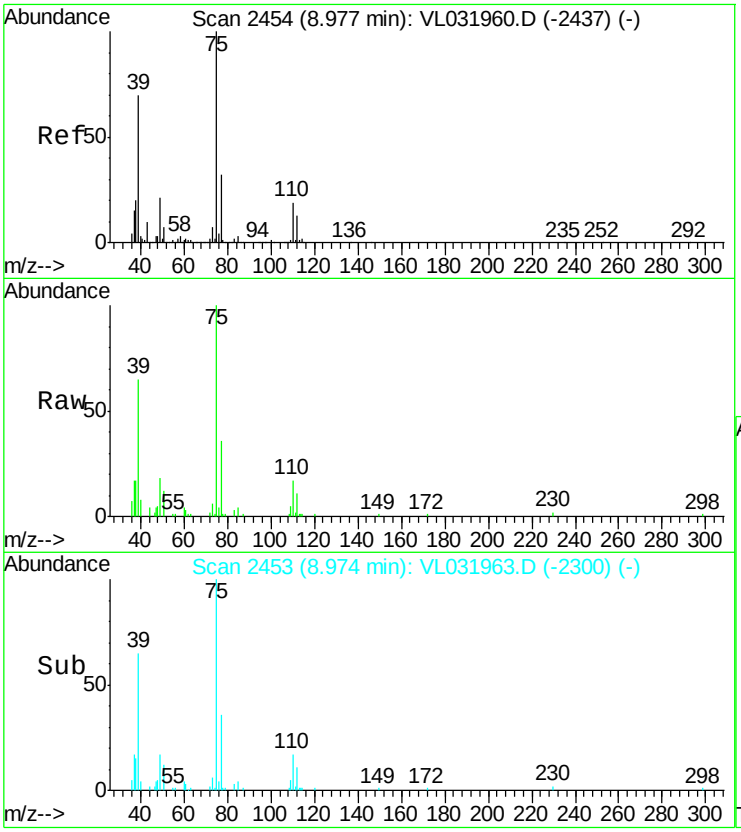


#45
t-1,3-Dichloropropene
Concen: 0.250 ppbv
RT: 9.55 min Scan# 2632
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 75 Resp: 26788

Ion	Ratio	Lower	Upper
75	100		
77	26.6	25.1	37.7



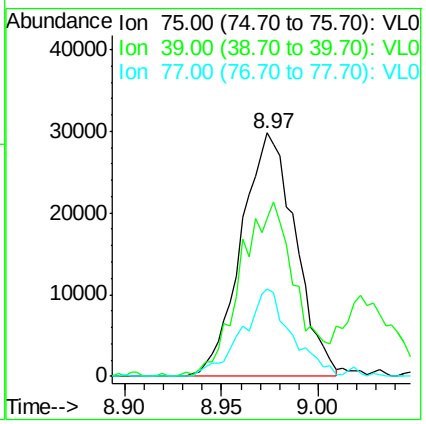


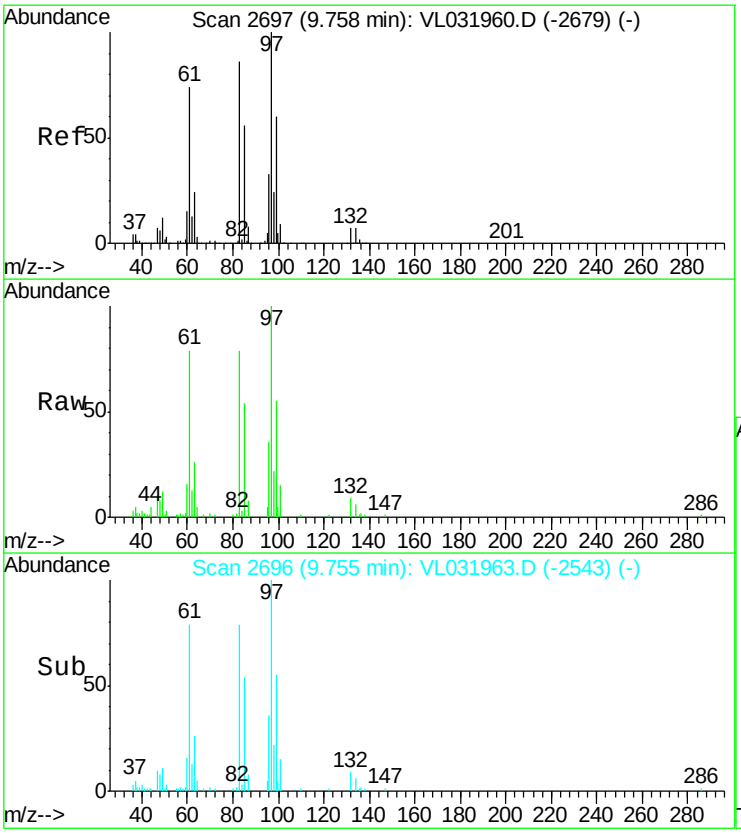
#46
cis-1,3-Dichloropropene
Concen: 0.424 ppbv
RT: 8.97 min Scan# 2453
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 58024

Ion	Ratio	Lower	Upper
75	100		
39	63.4	58.6	87.8
77	36.0	26.8	40.2

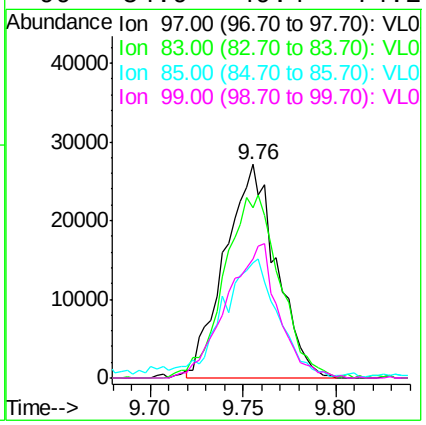


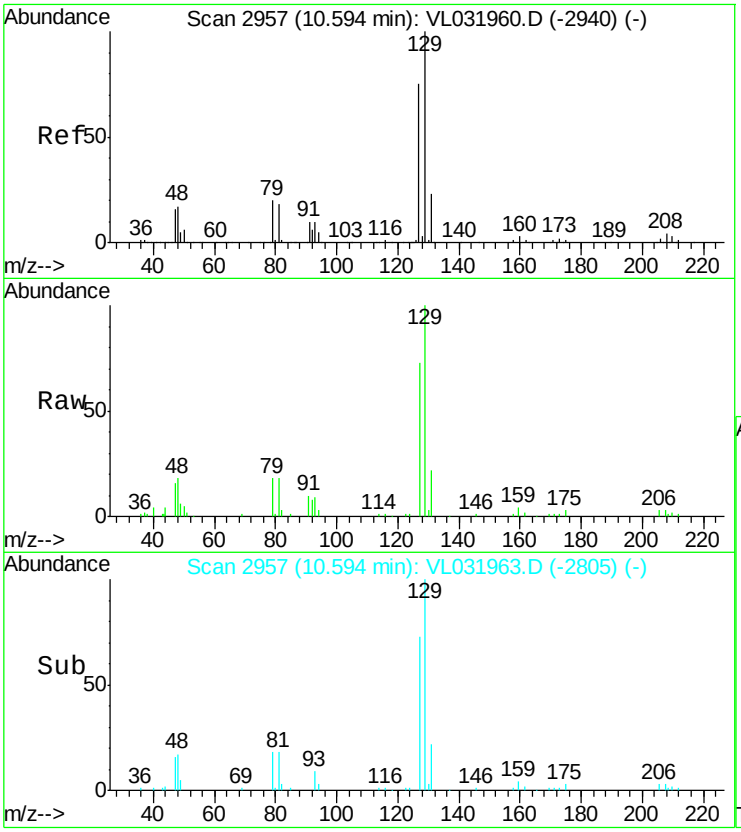


#47
1,1,2-Trichloroethane
Concen: 0.507 ppbv
RT: 9.76 min Scan# 2696
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 97 Resp: 52477

Ion	Ratio	Lower	Upper
97	100		
83	78.8	69.1	103.7
85	52.6	43.7	65.5
99	54.9	49.4	74.2



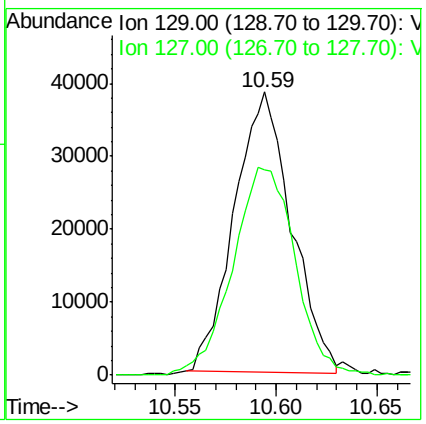


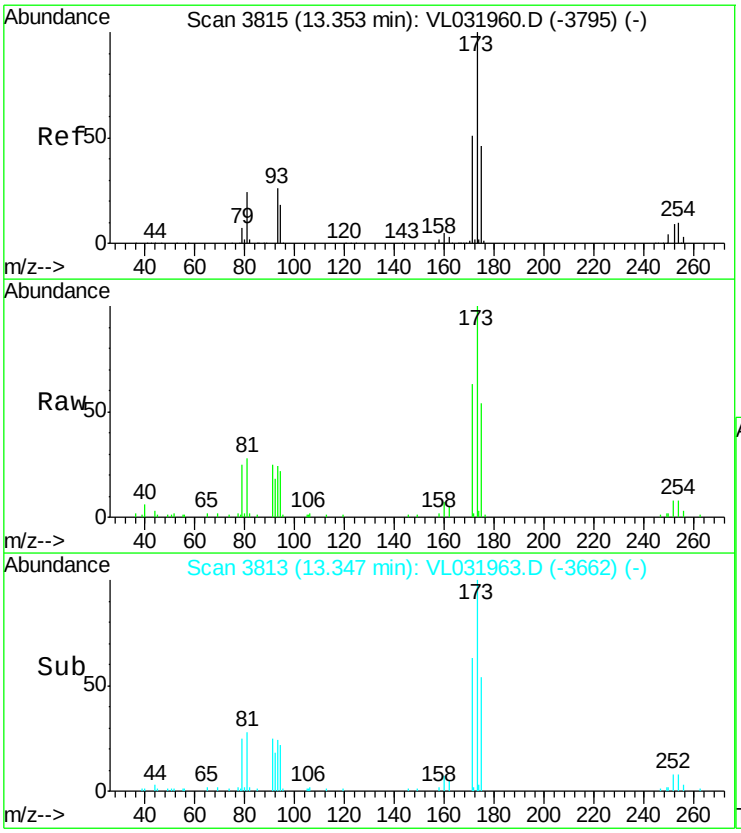
#48
Dibromochloromethane
Concen: 0.454 ppbv
RT: 10.59 min Scan# 2957
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:129 Resp: 76024

Ion	Ratio	Lower	Upper
129	100		
127	80.9	39.1	117.5

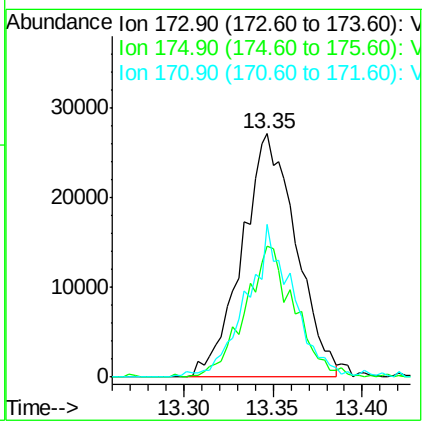


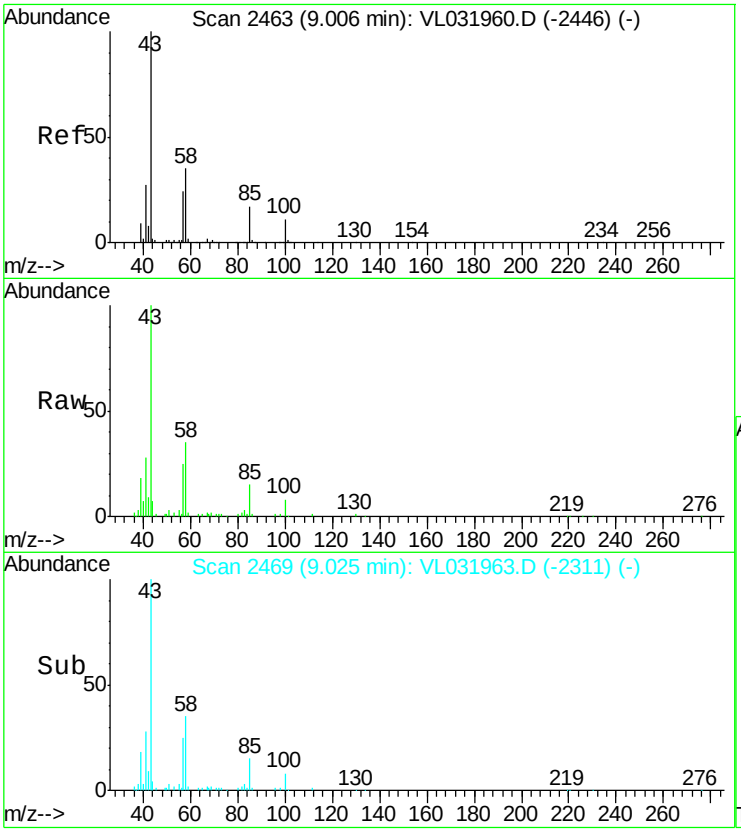


#49
Bromoform
Concen: 0.445 ppbv
RT: 13.35 min Scan# 3813
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion:173 Resp: 57405

Ion	Ratio	Lower	Upper
173	100		
175	49.6	39.0	58.6
171	54.3	41.4	62.0



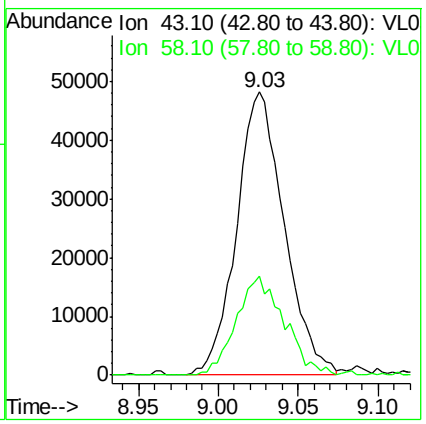


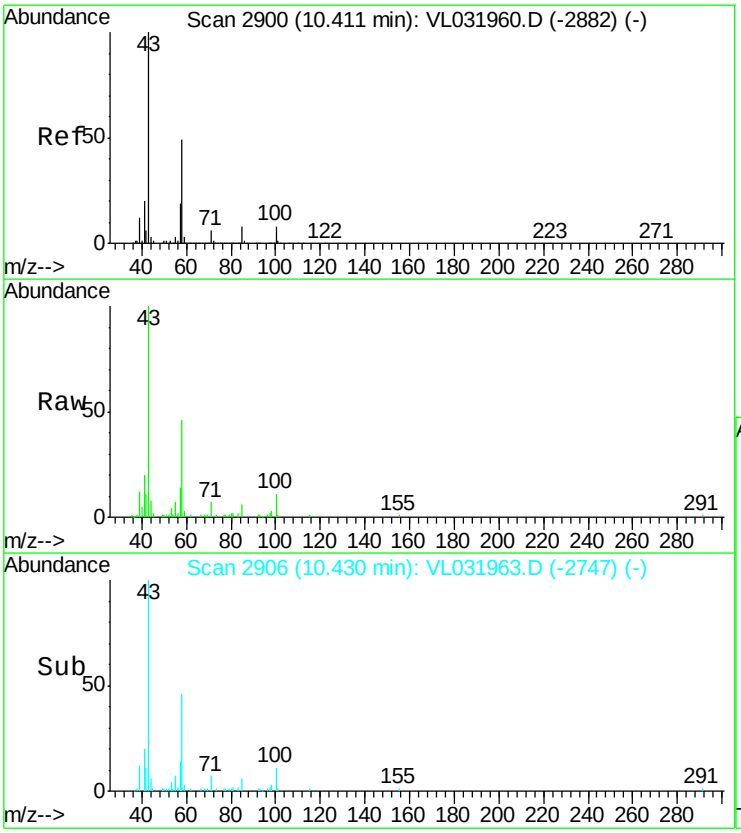
#50
4-Methyl-2-Pentanone
Concen: 0.475 ppbv
RT: 9.03 min Scan# 2469
Delta R.T. 0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 98245

Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.6	43.0

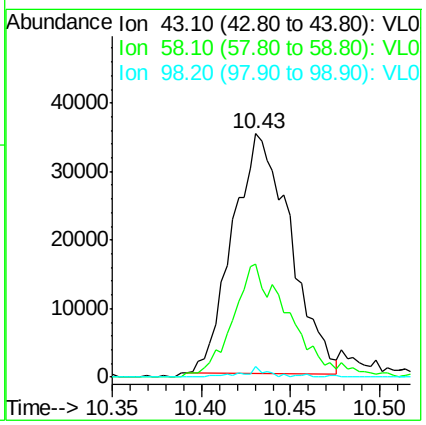


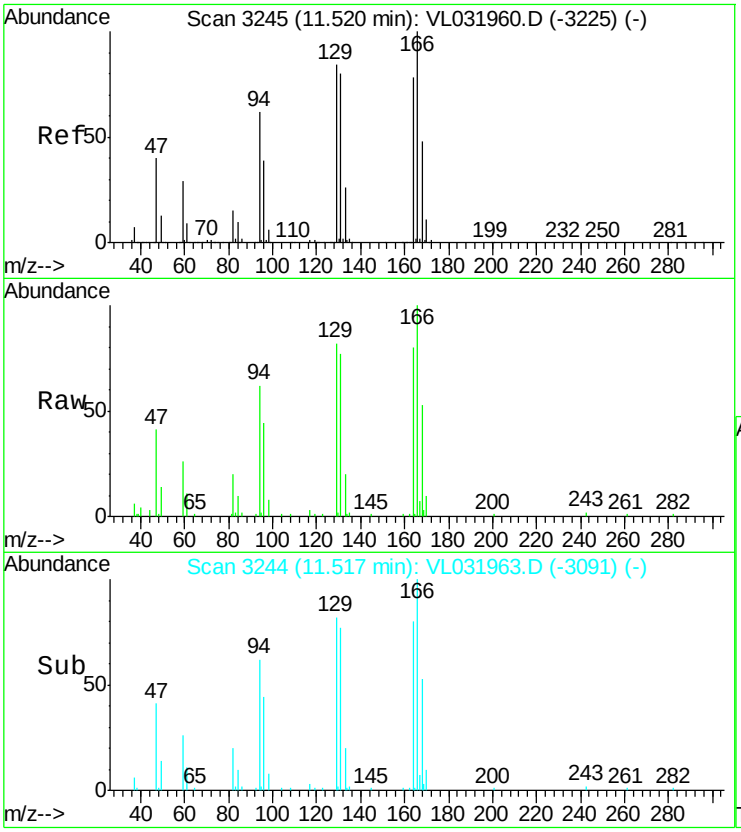


#51
2-Hexanone
Concen: 0.439 ppbv
RT: 10.43 min Scan# 2906
Delta R.T. 0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 43 Resp: 79345

Ion	Ratio	Lower	Upper
43	100		
58	47.2	38.5	57.7
98	2.0	0.2	0.4#



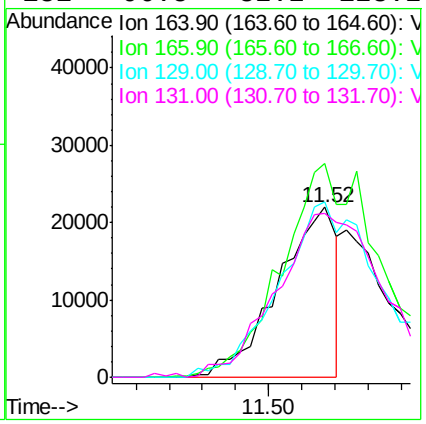


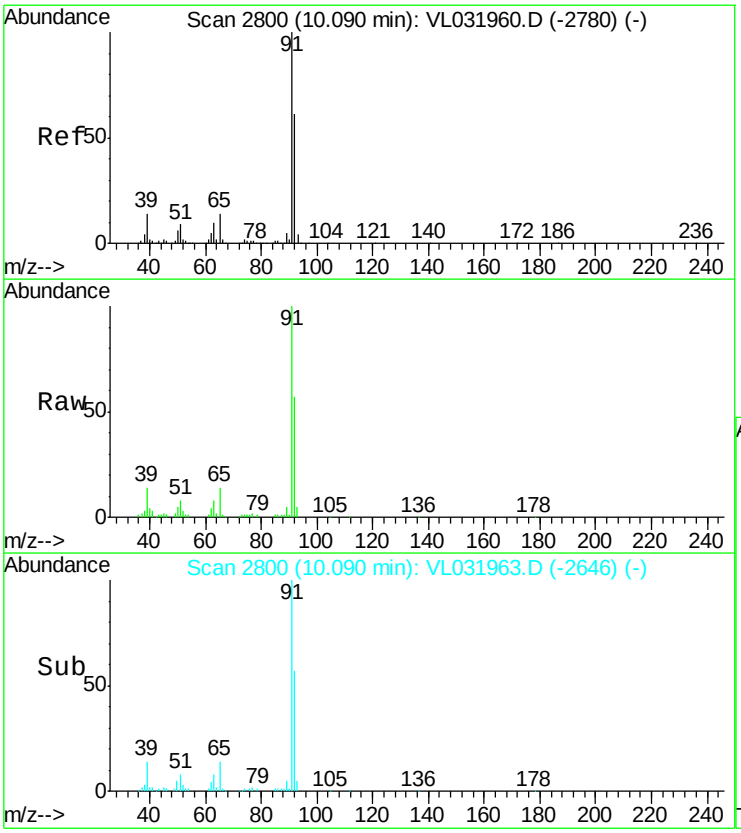
#52
Tetrachloroethene
Concen: 0.295 ppbv
RT: 11.52 min Scan# 3244
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 26937

Ion	Ratio	Lower	Upper
164	100		
166	124.4	98.2	147.4
129	103.3	86.5	129.7
131	96.5	82.2	123.2

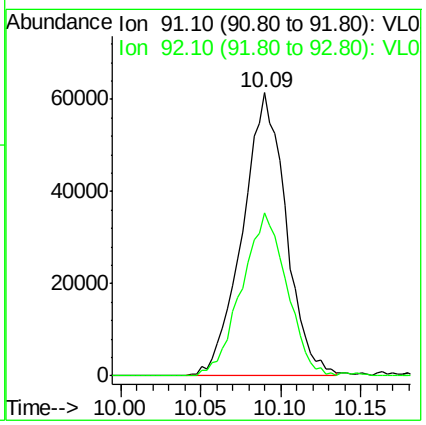


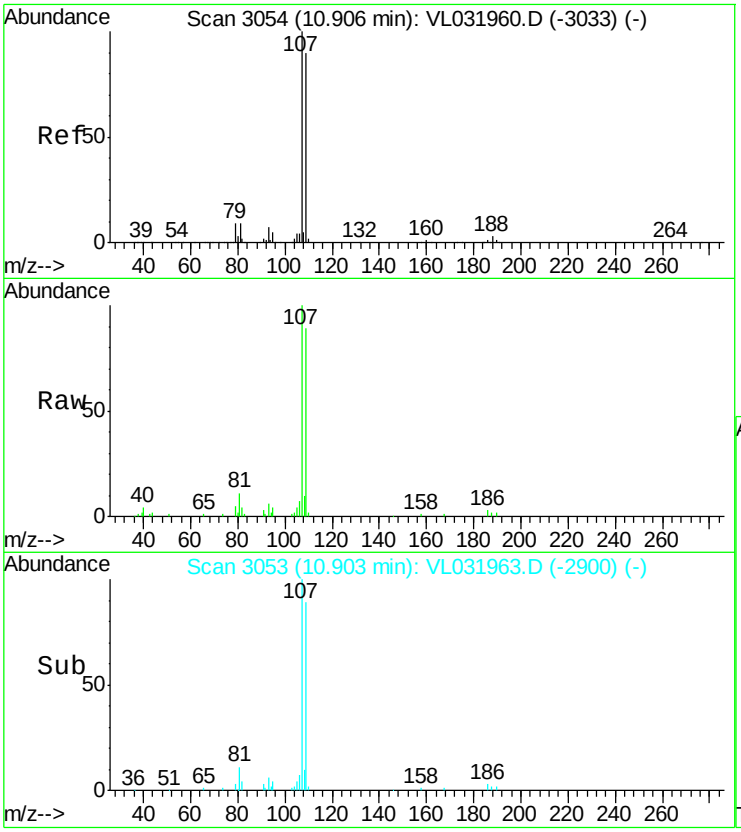


#53
Toluene
Concen: 0.439 ppbv
RT: 10.09 min Scan# 2800
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 91 Resp: 114649

Ion	Ratio	Lower	Upper
91	100		
92	60.0	47.4	71.2



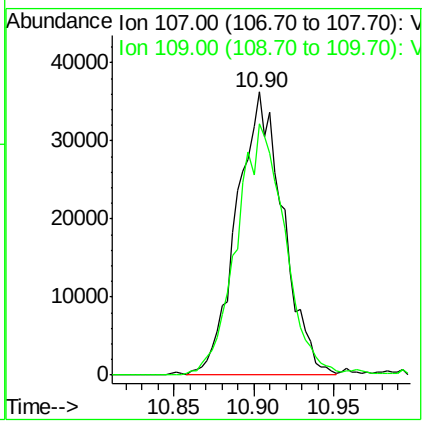


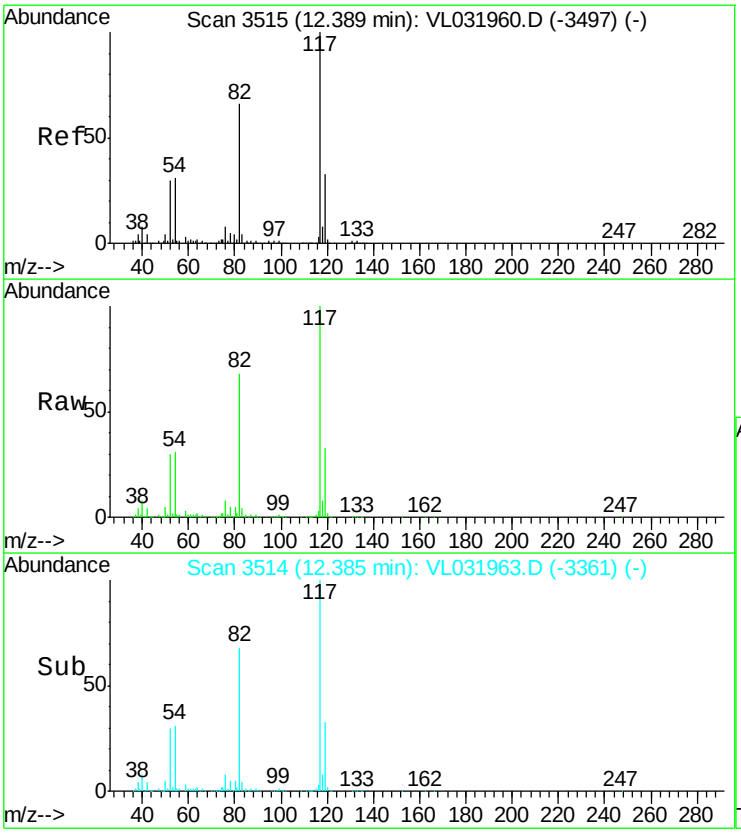
#54
1,2-Dibromoethane
Concen: 0.479 ppbv
RT: 10.90 min Scan# 3053
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:107 Resp: 71974

Ion	Ratio	Lower	Upper
107	100		
109	88.1	74.6	112.0

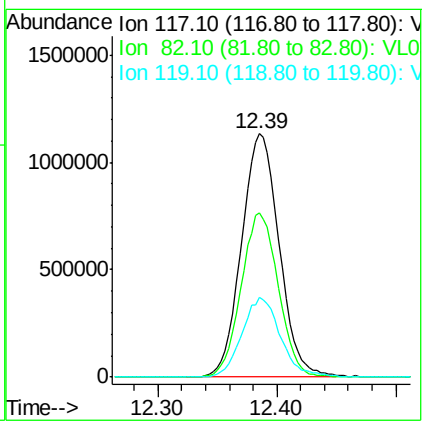


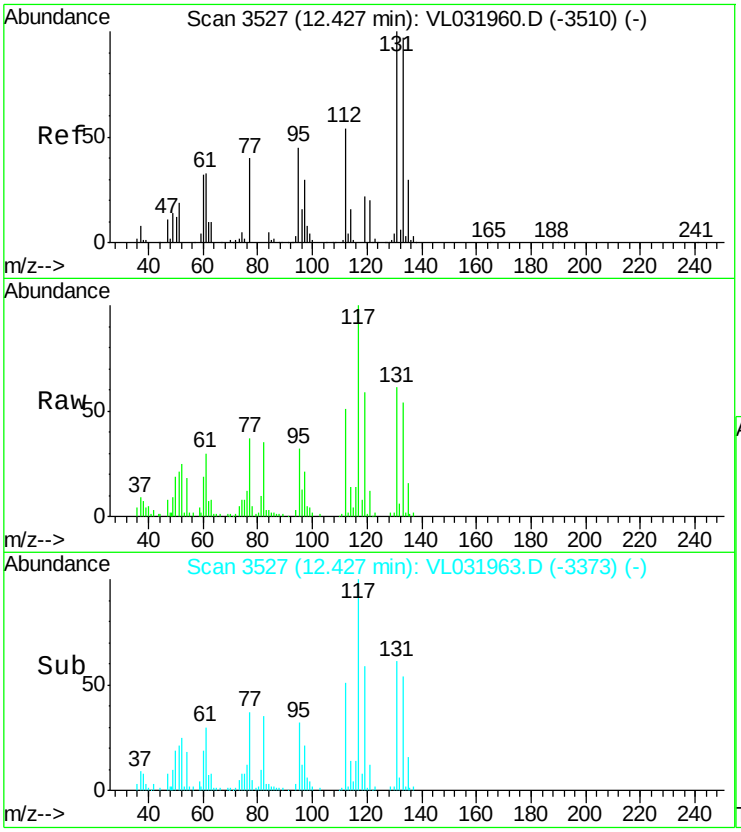


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.39 min Scan# 3514
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion:117 Resp: 2484455

Ion	Ratio	Lower	Upper
117	100		
82	66.9	54.6	81.8
119	33.5	26.0	39.0



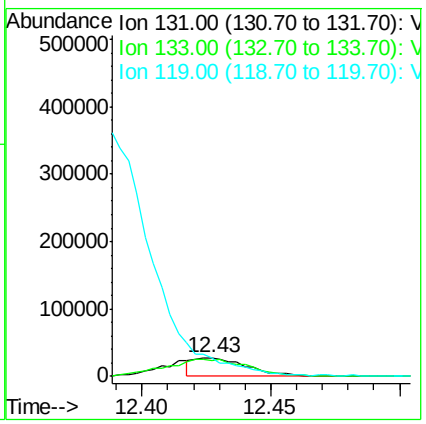


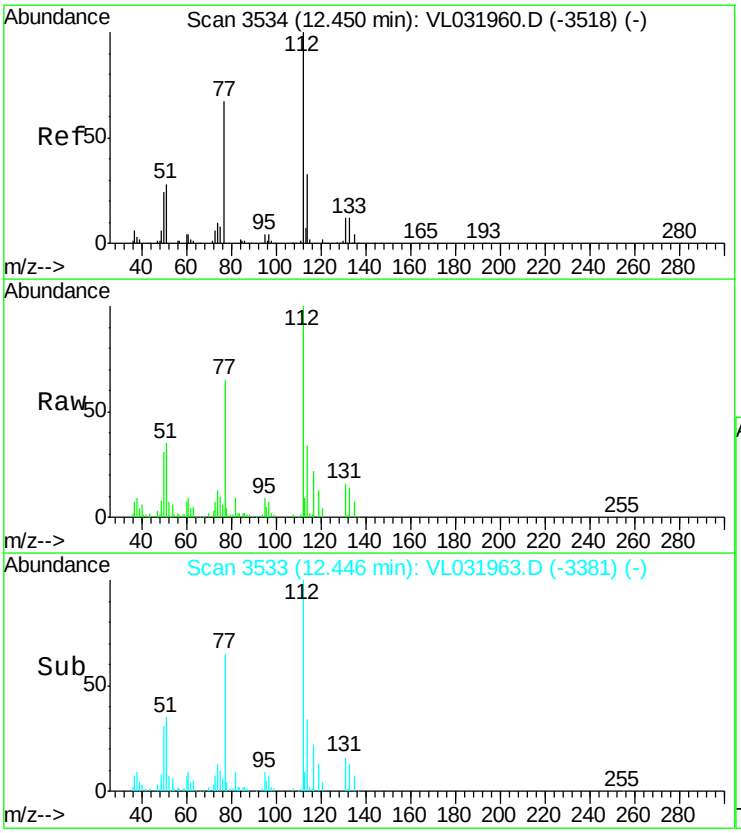
#56
1,1,1,2-Tetrachloroethane
Concen: 0.333 ppbv
RT: 12.43 min Scan# 3527
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:131 Resp: 38917

Ion	Ratio	Lower	Upper
131	100		
133	147.5	76.1	114.1#
119	0.0	106.3	159.5#

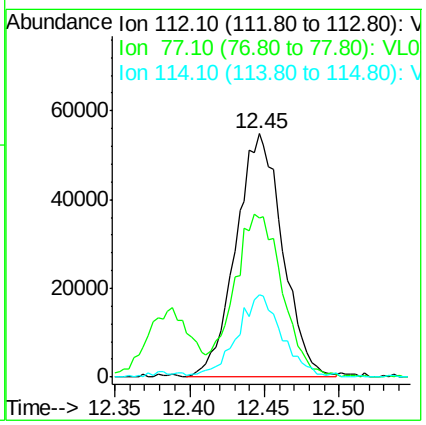


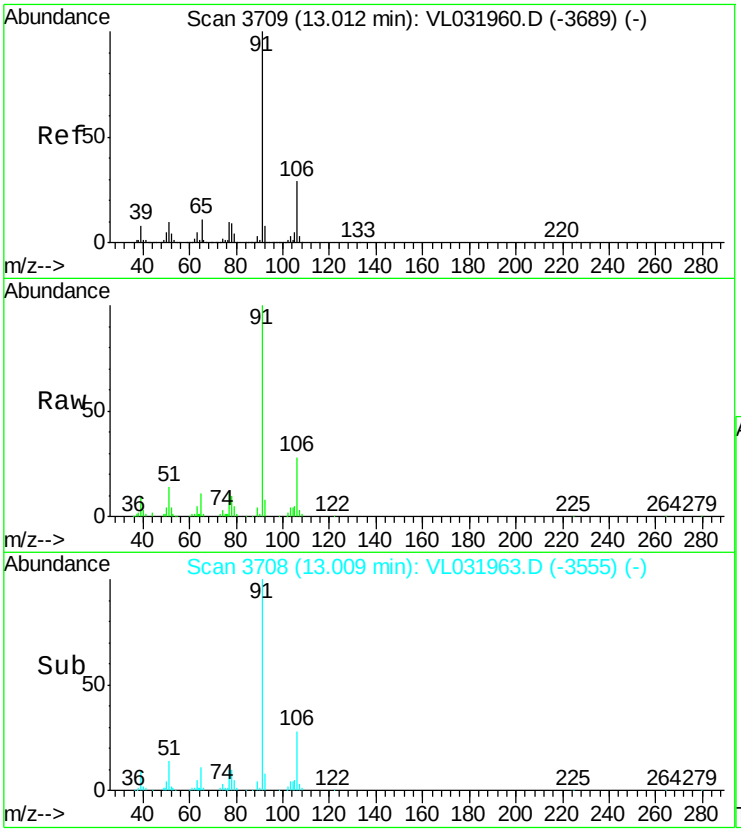


#57
Chlorobenzene
Concen: 0.565 ppbv
RT: 12.45 min Scan# 3533
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion:112 Resp: 119088

Ion	Ratio	Lower	Upper
112	100		
77	64.0	57.0	85.6
114	33.1	28.5	34.9



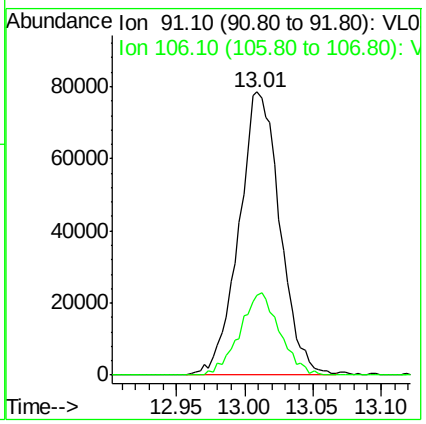


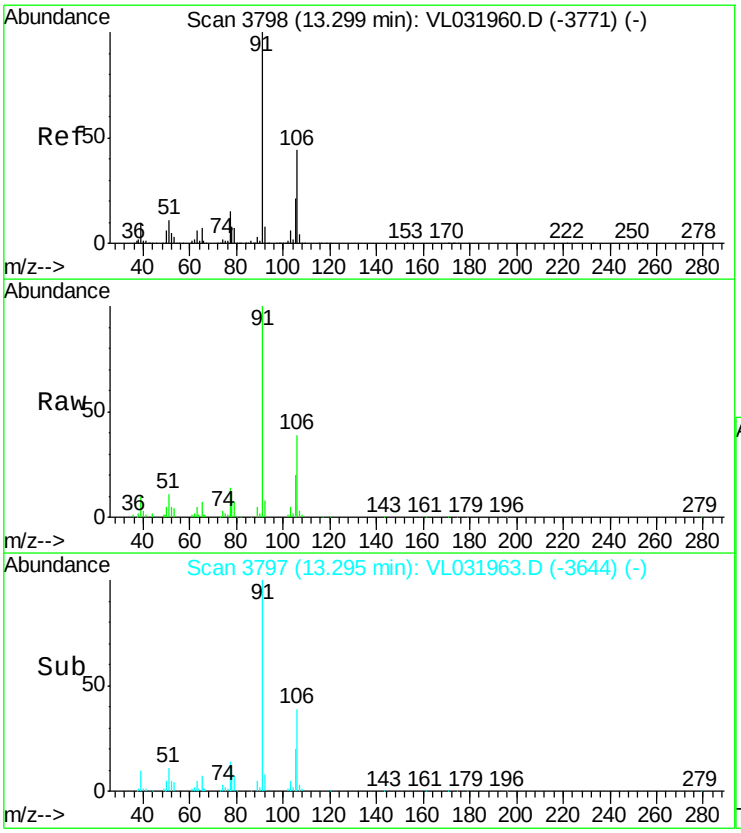
#58
Ethyl Benzene
Concen: 0.474 ppbv
RT: 13.01 min Scan# 3708
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 163624

Ion	Ratio	Lower	Upper
91	100		
106	28.4	23.8	35.6

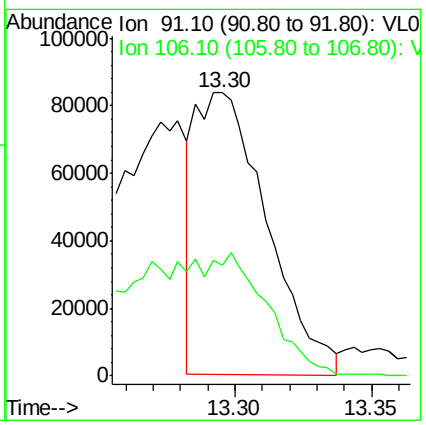


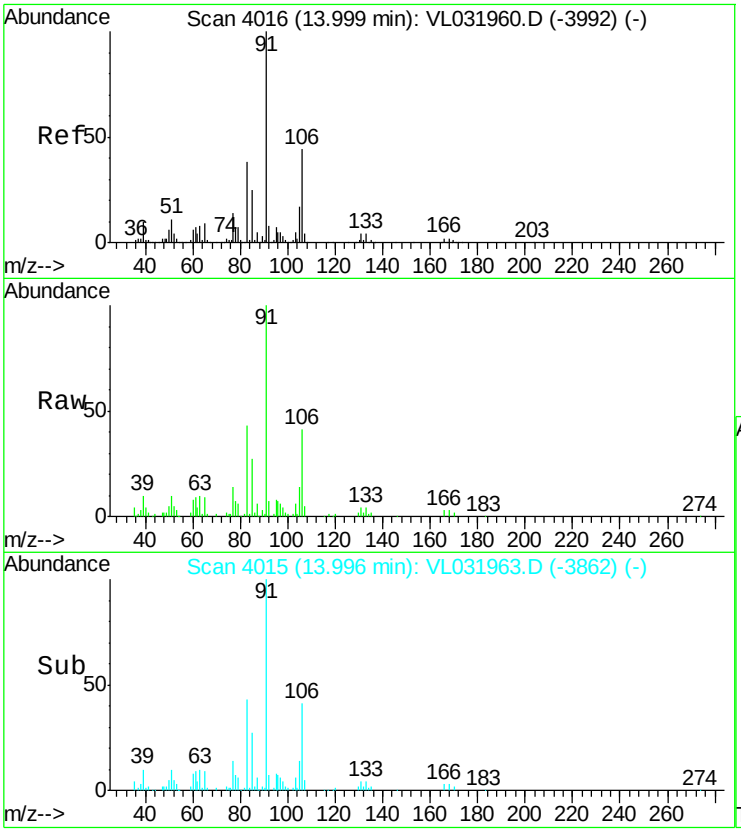


#59
m/p-Xylene
Concen: 0.508 ppbv
RT: 13.30 min Scan# 3797
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 91 Resp: 152183

Ion	Ratio	Lower	Upper
91	100		
106	84.8	35.5	53.3#



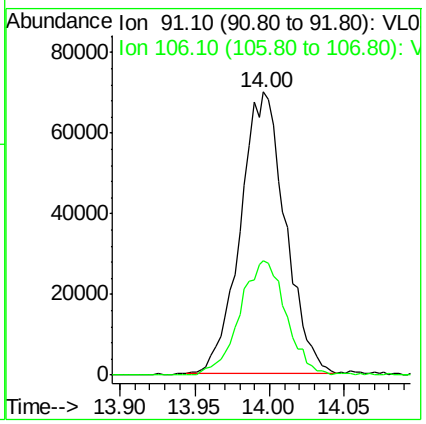


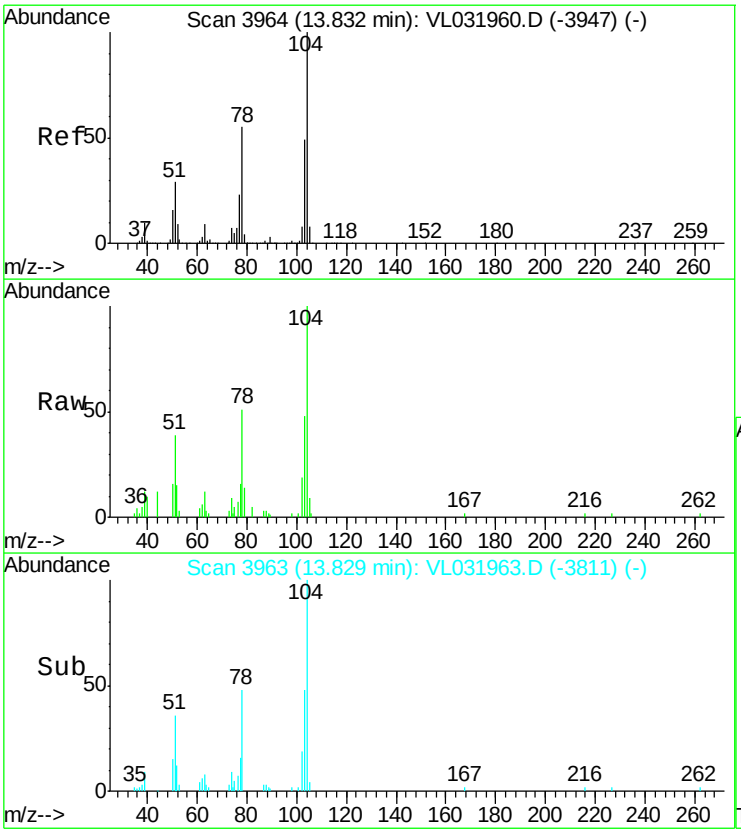
#60
o-Xylene
Concen: 0.487 ppbv
RT: 14.00 min Scan# 4015
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 145837

Ion	Ratio	Lower	Upper
91	100		
106	42.2	21.3	63.9

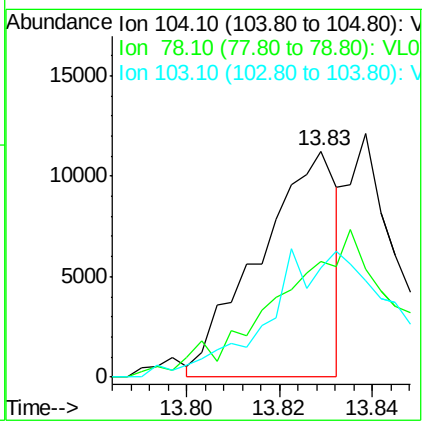


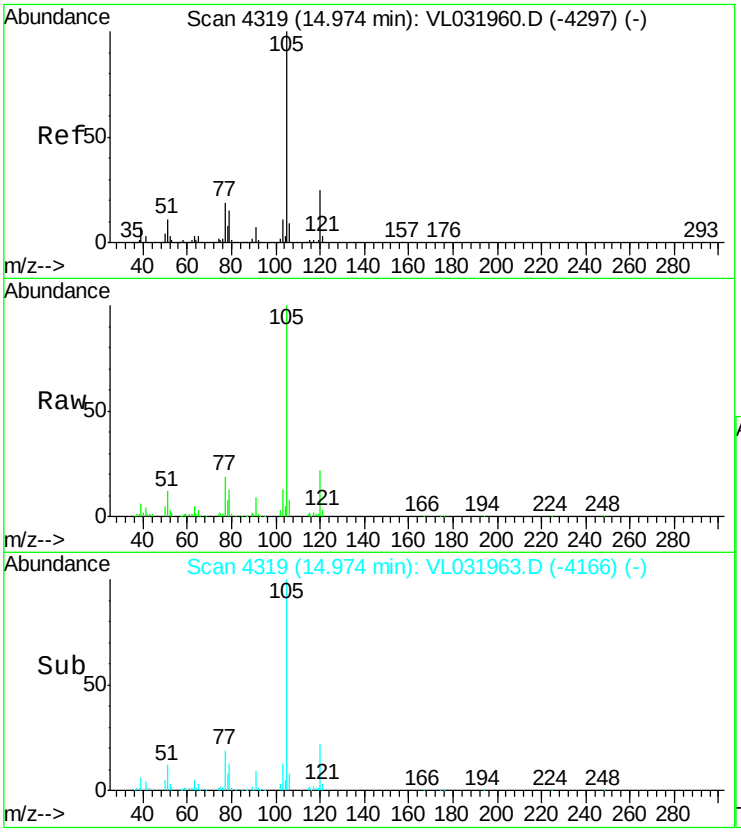


#61
Styrene
Concen: 0.230 ppbv
RT: 13.83 min Scan# 3963
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion:104 Resp: 13128

Ion	Ratio	Lower	Upper
104	100		
78	0.0	44.4	66.6#
103	93.2	37.9	56.9#



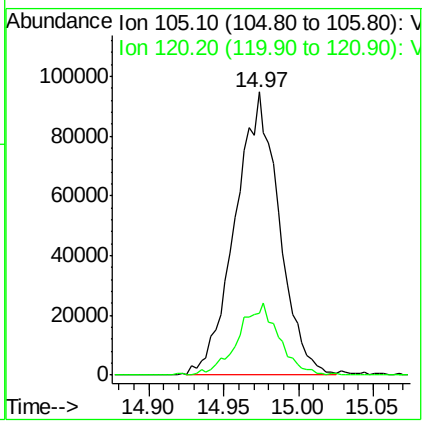


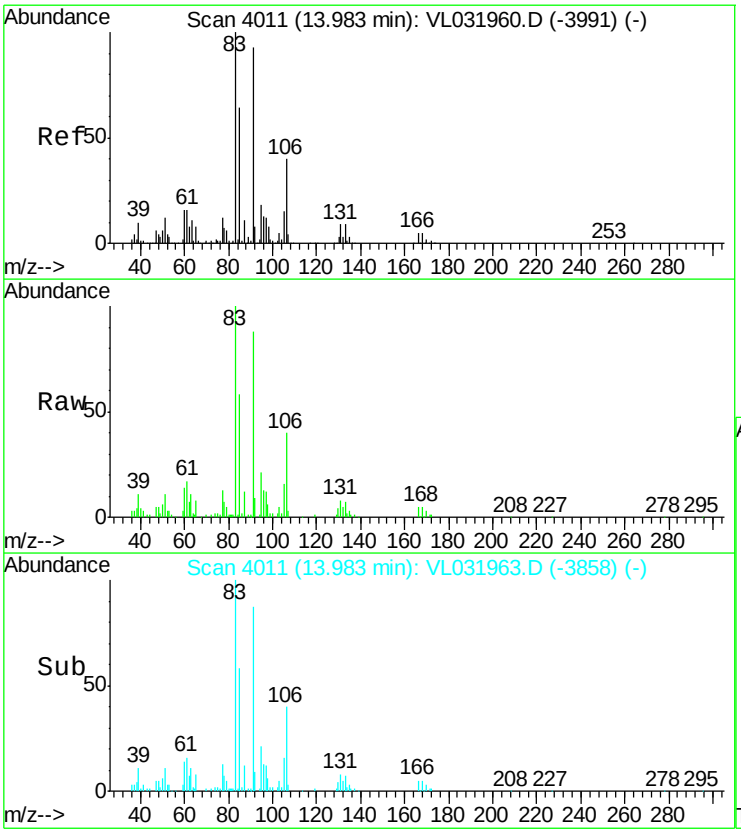
#62
Isopropylbenzene
Concen: 0.500 ppbv
RT: 14.97 min Scan# 4319
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 192400

Ion	Ratio	Lower	Upper
105	100		
120	24.0	19.4	29.2

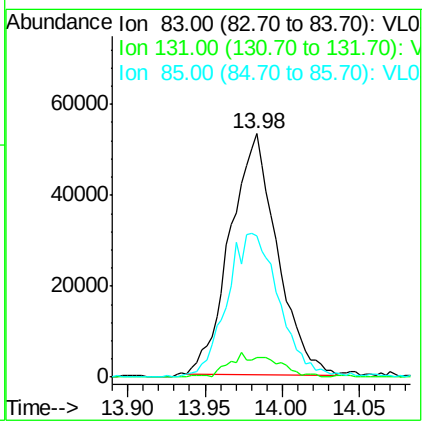


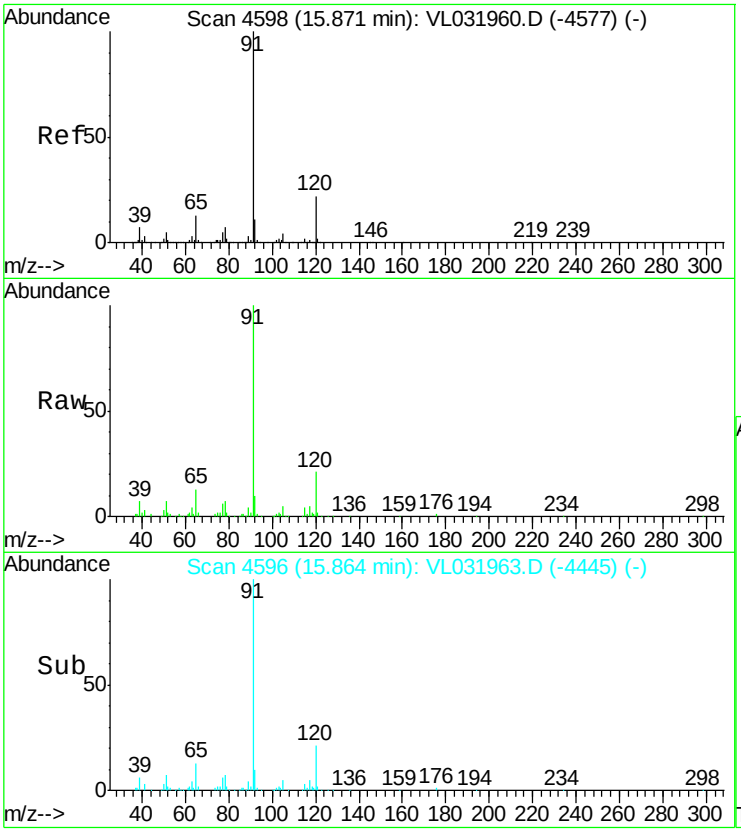


#63
1,1,2,2-Tetrachloroethane
Concen: 0.488 ppbv
RT: 13.98 min Scan# 4011
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 83 Resp: 112448

Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.6
85	66.2	32.2	96.6



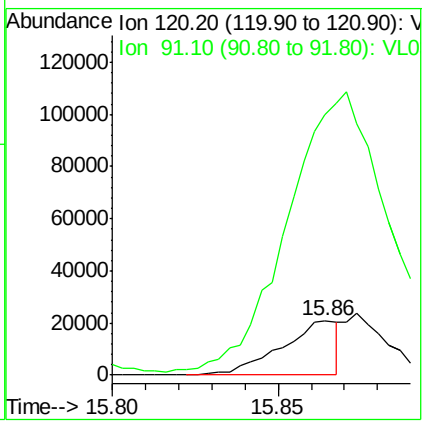


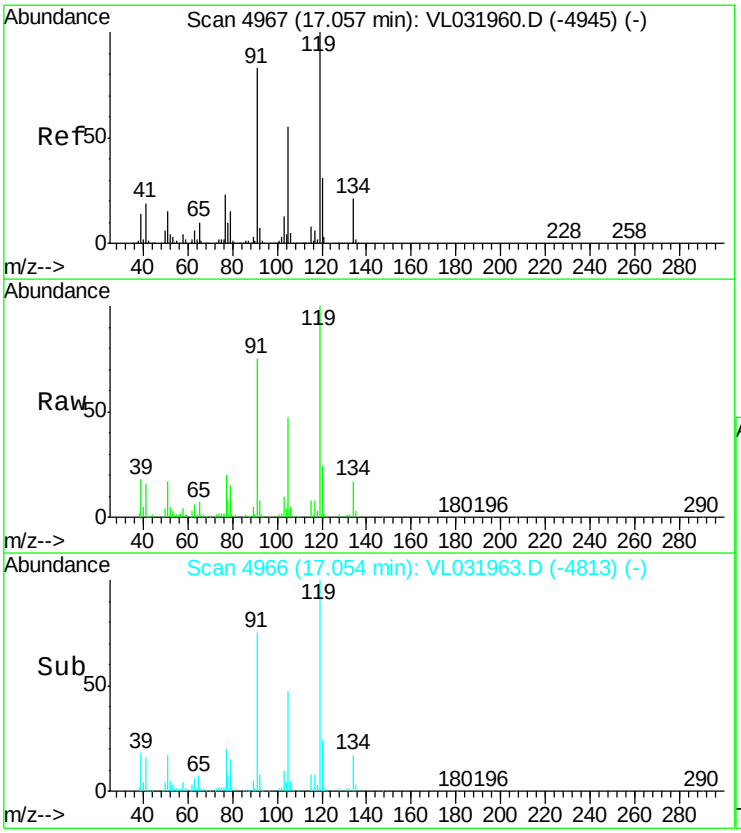
#64
n-propylbenzene
Concen: 0.266 ppbv
RT: 15.86 min Scan# 4596
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:120 Resp: 24887

Ion	Ratio	Lower	Upper
120	100		
91	534.2	393.7	590.5

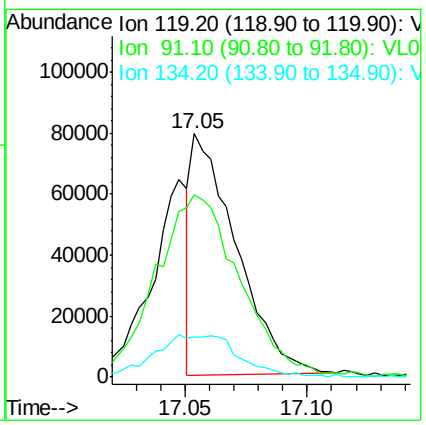


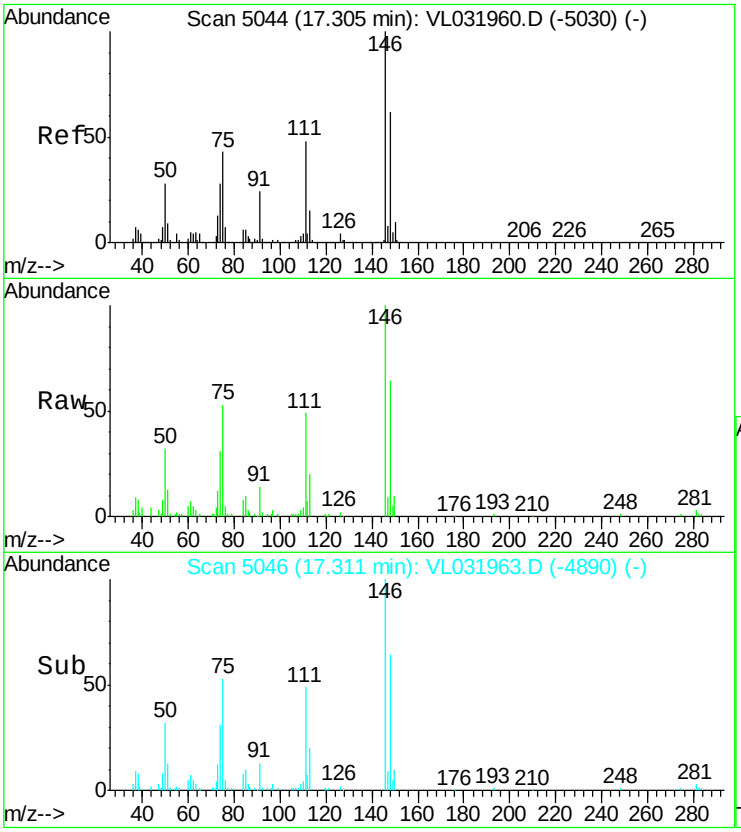


#65
tert-Butylbenzene
Concen: 0.301 ppbv
RT: 17.05 min Scan# 4966
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion:119 Resp: 99528

Ion	Ratio	Lower	Upper
119	100		
91	146.8	69.4	104.0#
134	0.0	15.4	23.2#



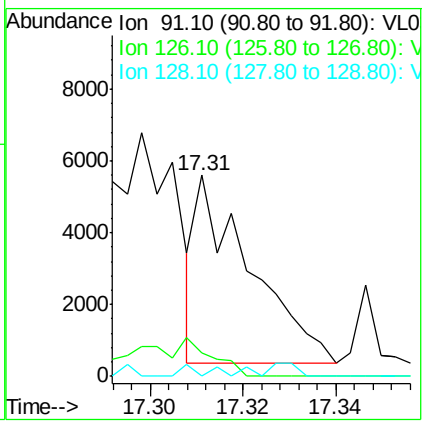


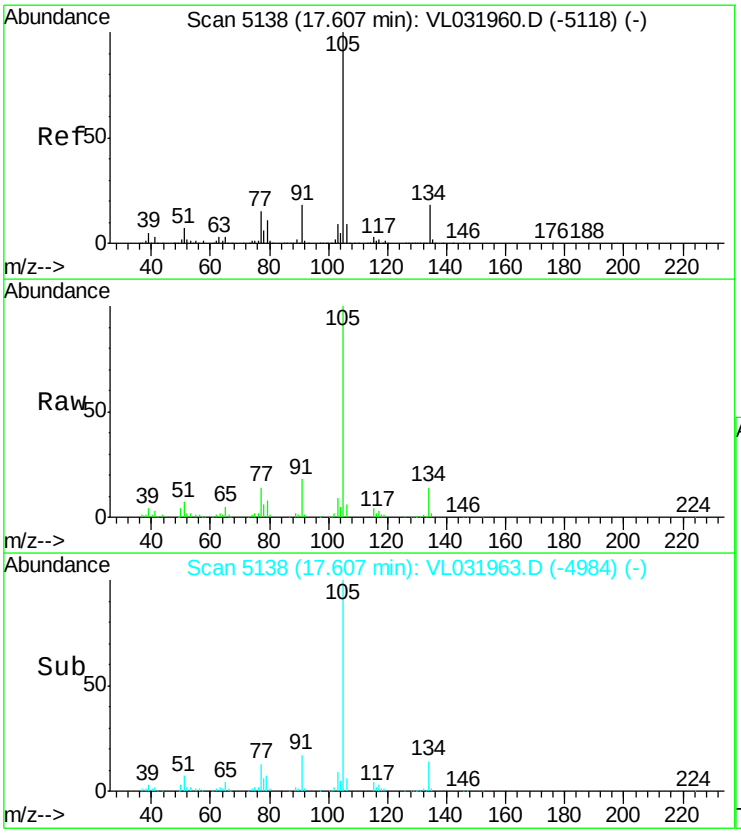
#66
Benzyl Chloride
Concen: 0.143 ppbv
RT: 17.31 min Scan# 5046
Delta R.T. 0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 4263

Ion	Ratio	Lower	Upper
91	100		
126	39.0	12.6	19.0#
128	7.0	4.0	6.0#

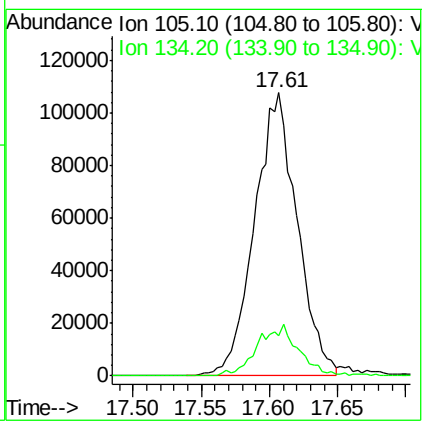


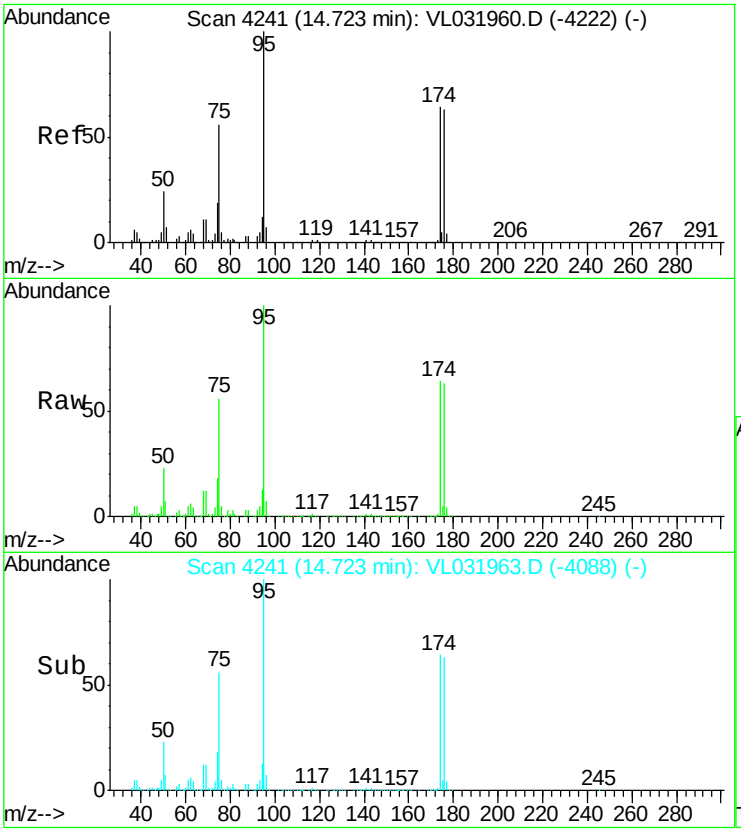


#67
sec-Butylbenzene
Concen: 0.490 ppbv
RT: 17.61 min Scan# 5138
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion:105 Resp: 233318

Ion	Ratio	Lower	Upper
105	100		
134	17.7	14.2	21.2



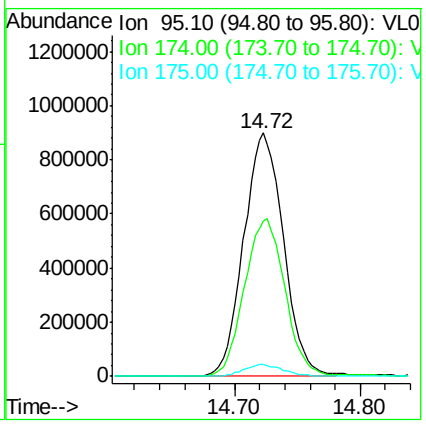


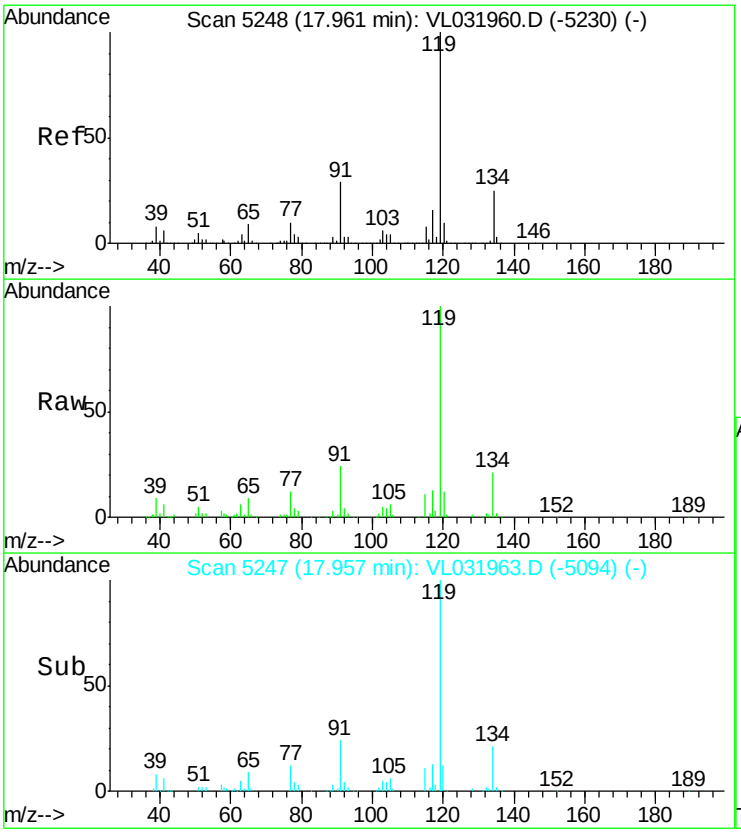
#68
1-Bromo-4-Fluorobenzene
Concen: 9.942 ppbv
RT: 14.72 min Scan# 4241
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 1986094

Ion	Ratio	Lower	Upper
95	100		
174	66.6	52.3	78.5
175	4.8	3.9	5.9

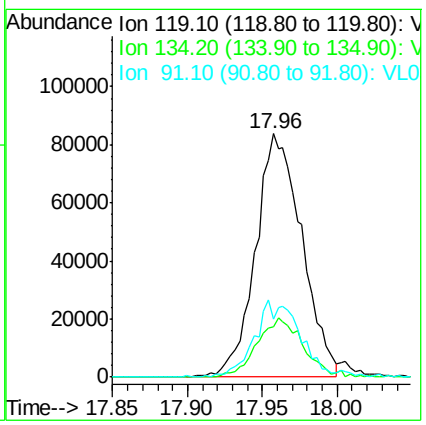


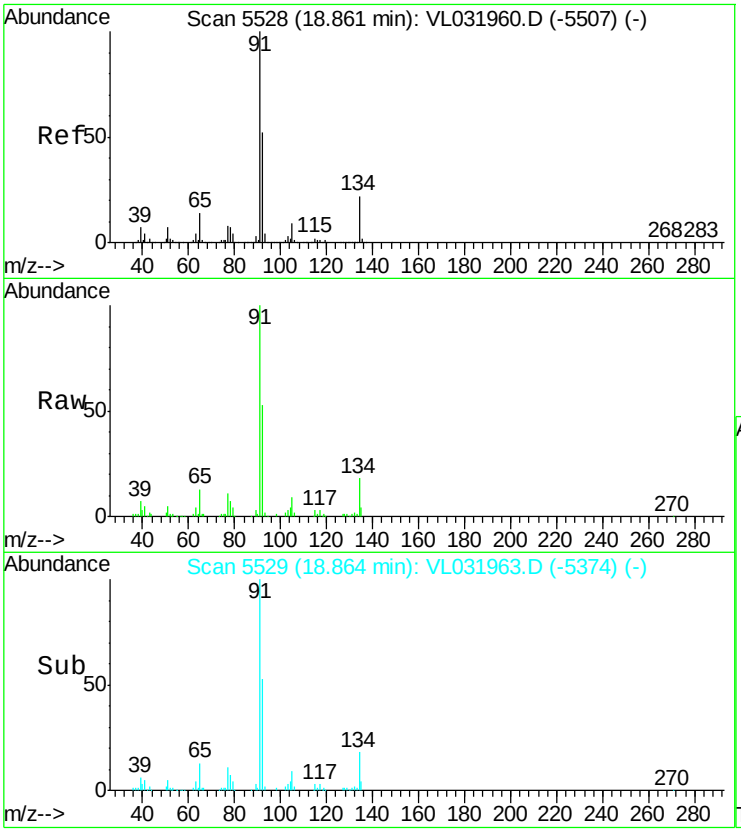


#69
p-Isopropyltoluene
Concen: 0.486 ppbv
RT: 17.96 min Scan# 5247
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion:119 Resp: 179531

Ion	Ratio	Lower	Upper
119	100		
134	24.5	20.0	30.0
91	32.0	24.9	37.3



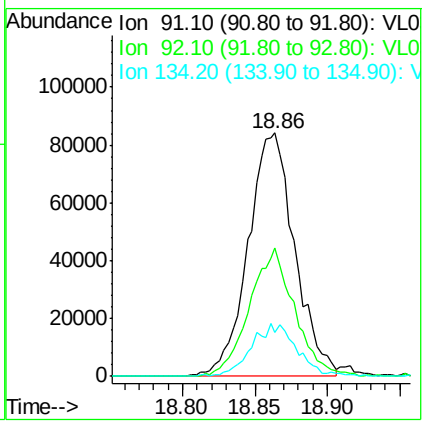


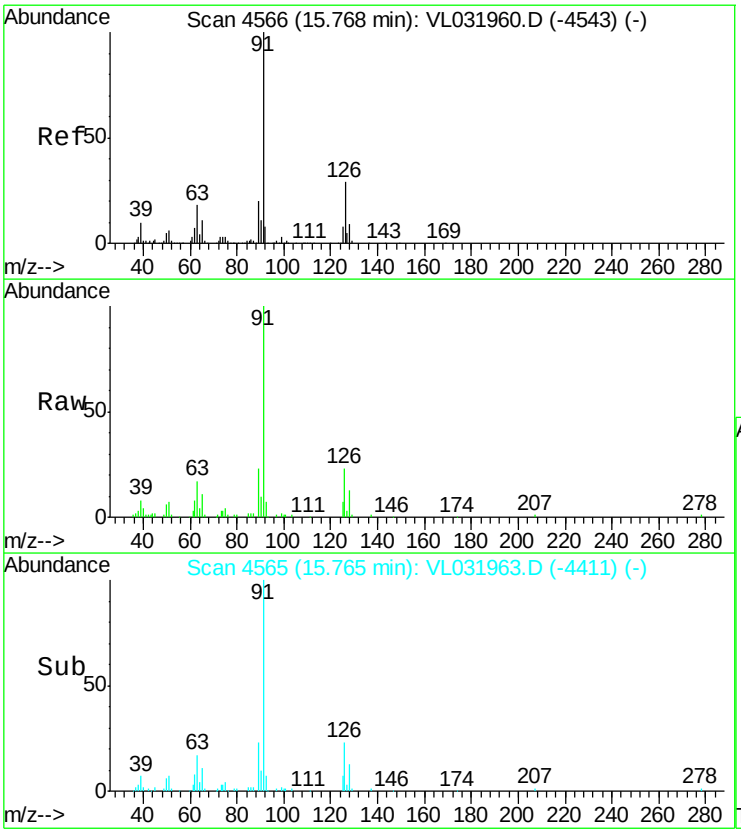
#70
n-Butylbenzene
Concen: 0.489 ppbv
RT: 18.86 min Scan# 5529
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 188140

Ion	Ratio	Lower	Upper
91	100		
92	50.9	42.2	63.4
134	21.1	17.4	26.0

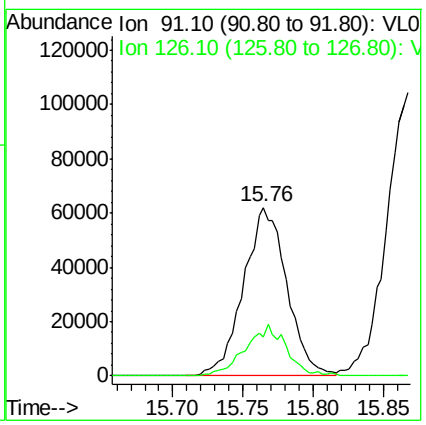


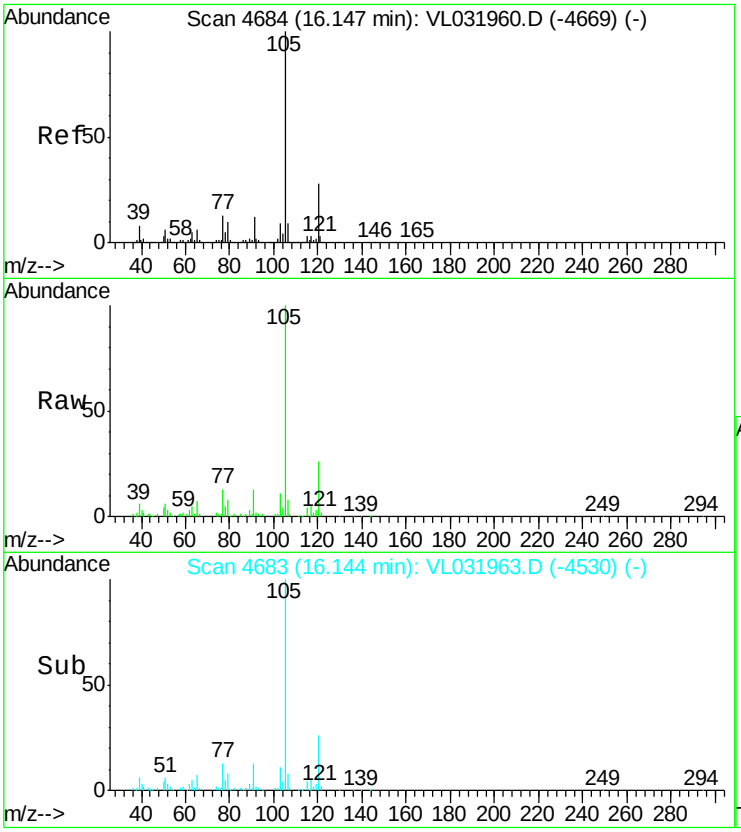


#71
2-Chlorotoluene
Concen: 0.479 ppbv
RT: 15.76 min Scan# 4565
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 91 Resp: 133159

Ion	Ratio	Lower	Upper
91	100		
126	29.0	11.6	46.2



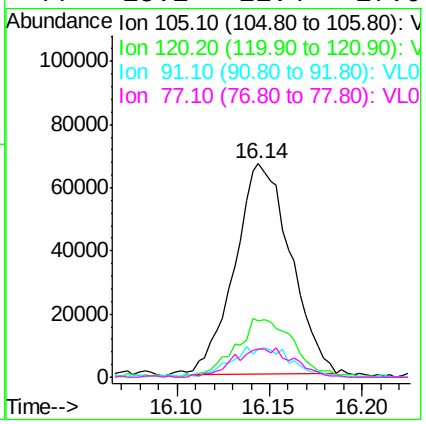


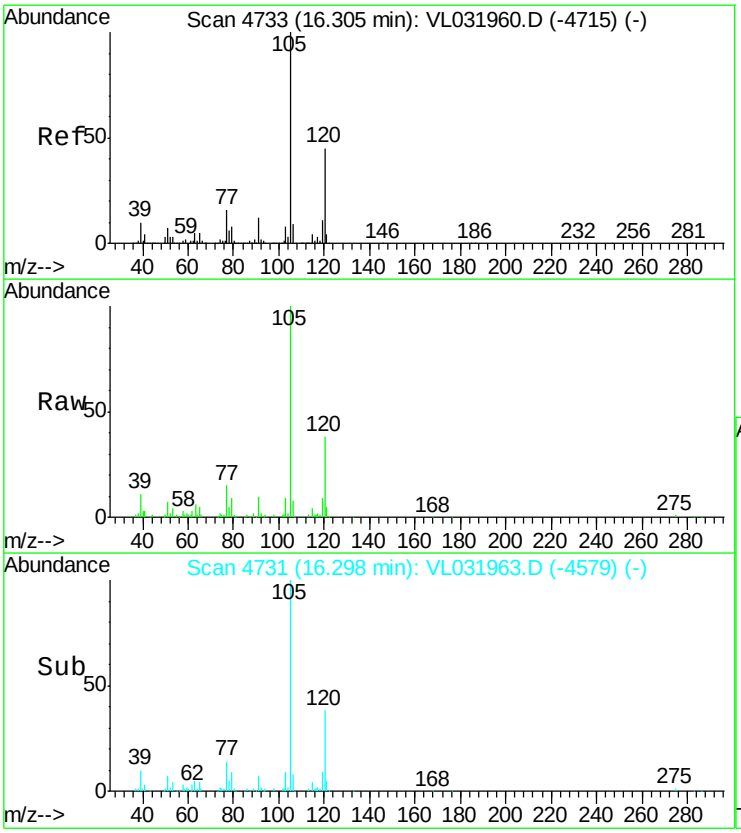
#72
4-Ethyltoluene
Concen: 0.456 ppbv
RT: 16.14 min Scan# 4683
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 139462

Ion	Ratio	Lower	Upper
105	100		
120	29.4	22.7	34.1
91	14.9	10.6	16.0
77	15.1	11.4	17.0

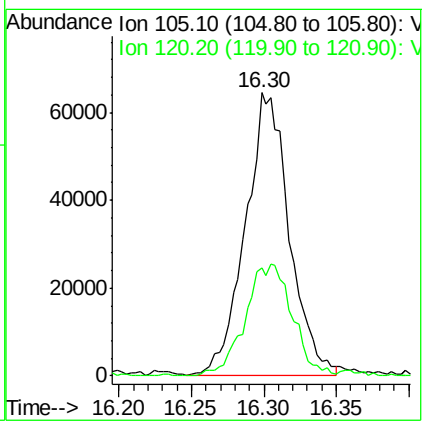


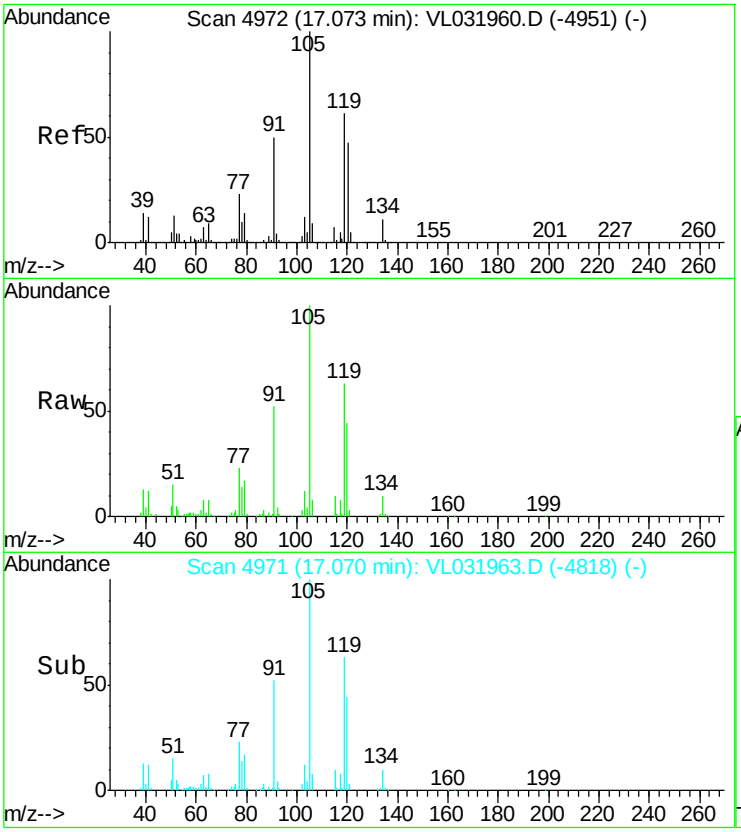


#73
1,3,5-Trimethylbenzene
Concen: 0.486 ppbv
RT: 16.30 min Scan# 4731
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion:105 Resp: 136187

Ion	Ratio	Lower	Upper
105	100		
120	38.2	35.3	52.9



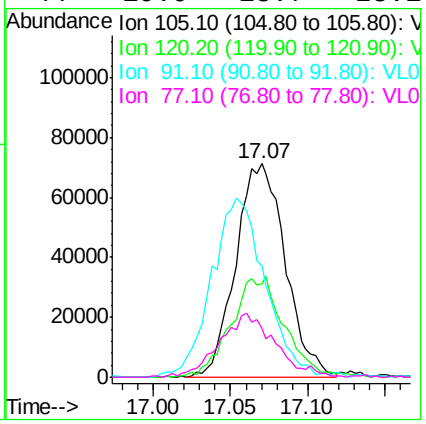


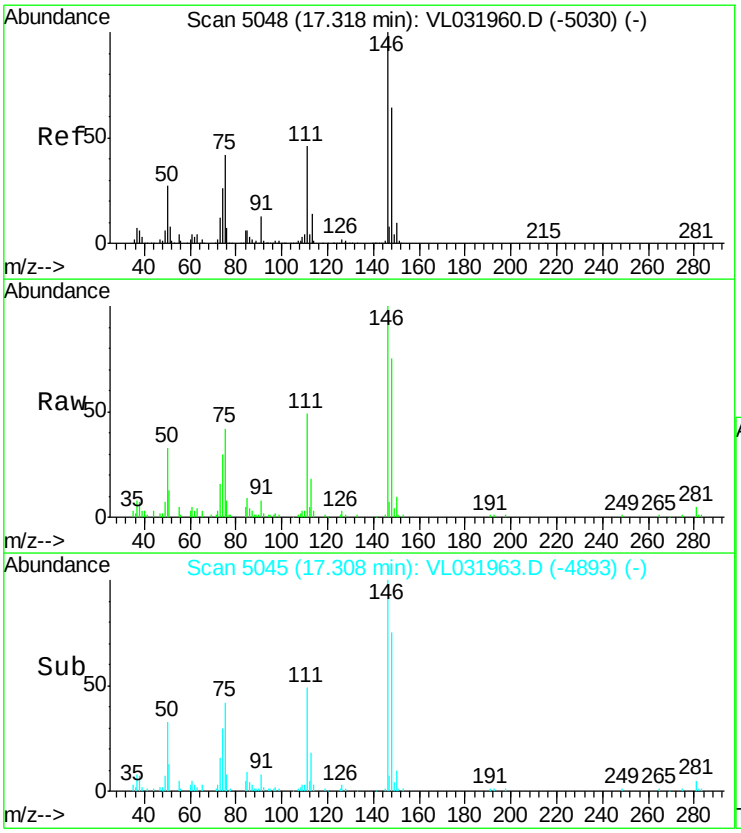
#74
1,2,4-Trimethylbenzene
Concen: 0.508 ppbv
RT: 17.07 min Scan# 4971
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 158724

Ion	Ratio	Lower	Upper
105	100		
120	42.4	37.0	55.4
91	50.1	43.0	64.4
77	19.9	18.7	28.1

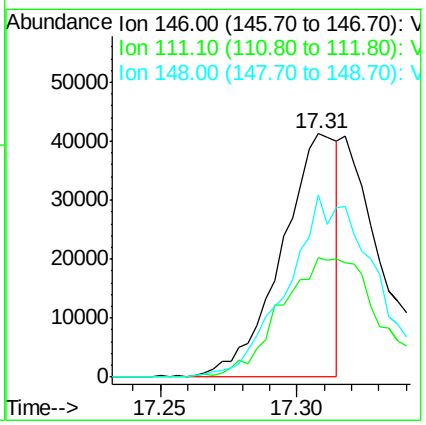


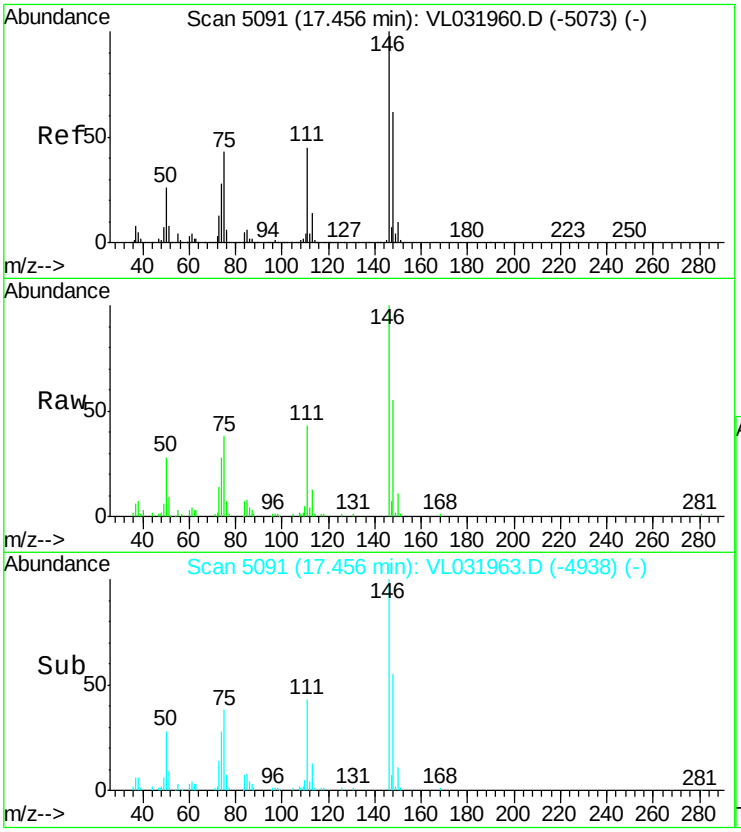


#75
1,3-Dichlorobenzene
Concen: 0.300 ppbv
RT: 17.31 min Scan# 5045
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion:146 Resp: 57440

Ion	Ratio	Lower	Upper
146	100		
111	88.7	23.8	71.4#
148	120.9	32.0	96.2#



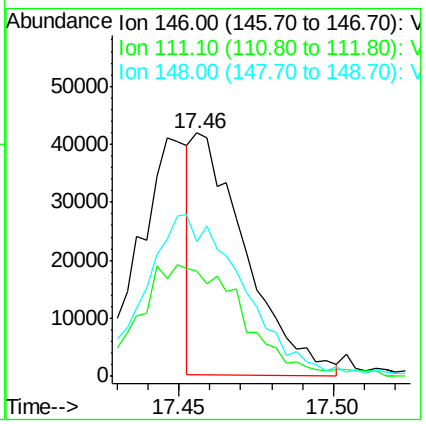


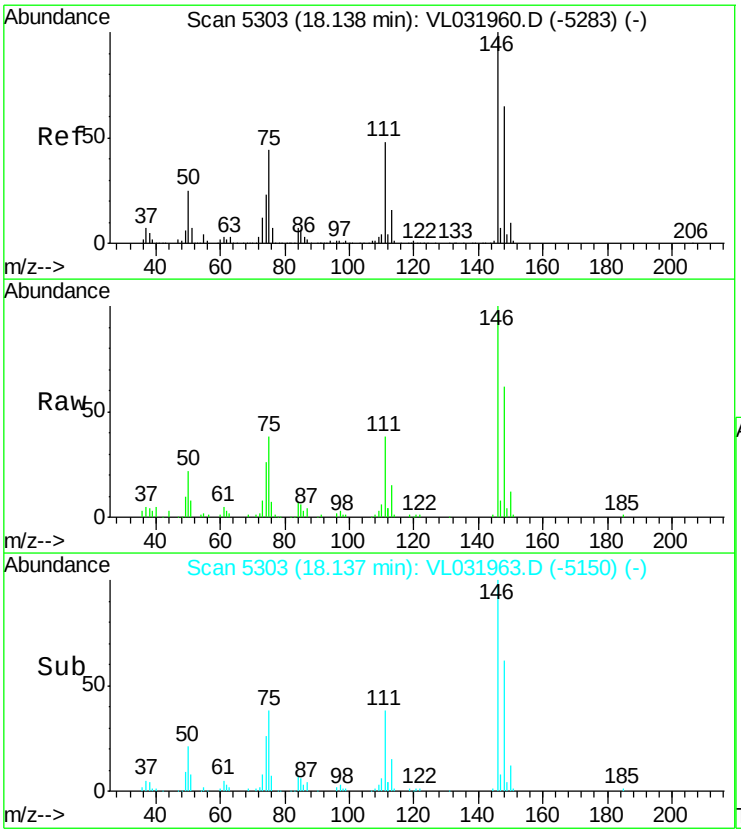
#76
1,4-Dichlorobenzene
Concen: 0.266 ppbv
RT: 17.46 min Scan# 5091
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 49445

Ion	Ratio	Lower	Upper
146	100		
111	94.4	22.9	68.7#
148	131.3	32.0	96.0#

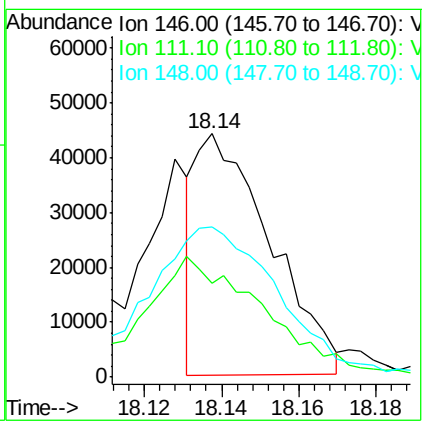


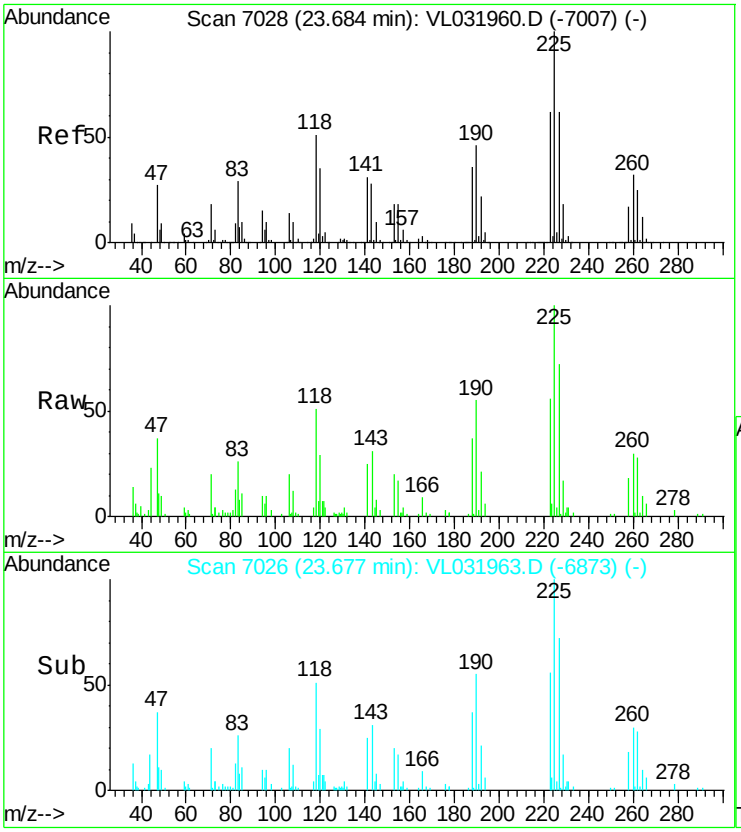


#77
1,2-Dichlorobenzene
Concen: 0.309 ppbv
RT: 18.14 min Scan# 5303
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion:146 Resp: 58421

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.3	72.8#
148	113.4	31.8	95.3#



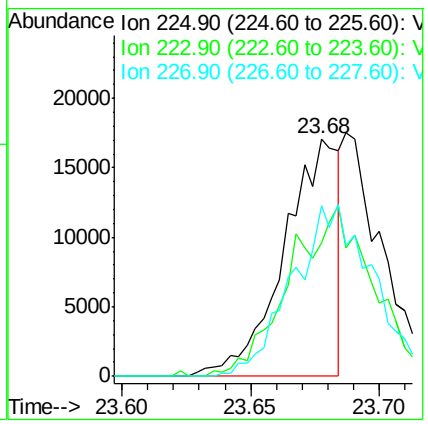


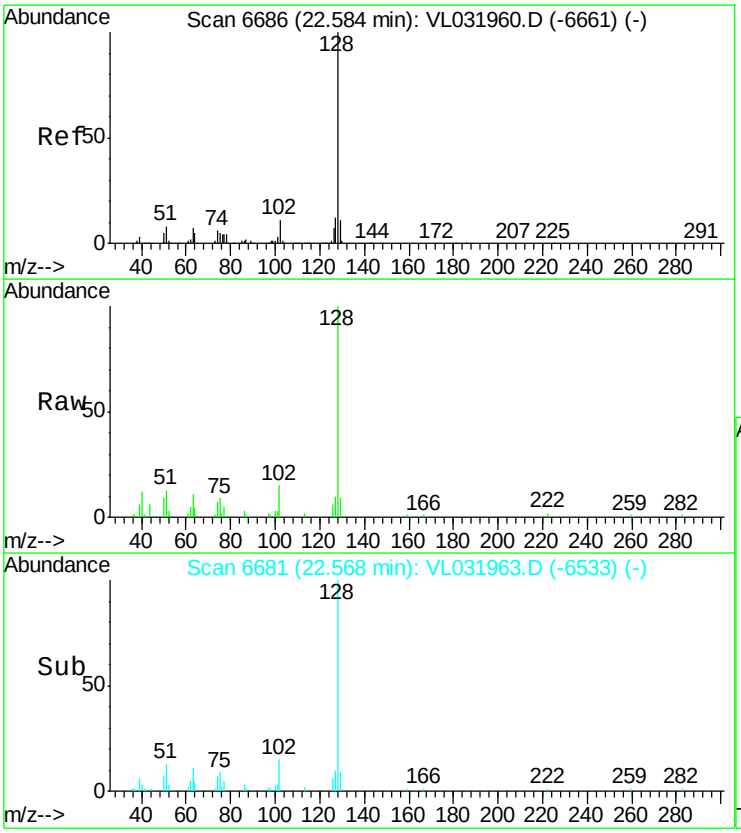
#78
Hexachloro-1,3-Butadiene
Concen: 0.344 ppbv
RT: 23.68 min Scan# 7026
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:225 Resp: 24972

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

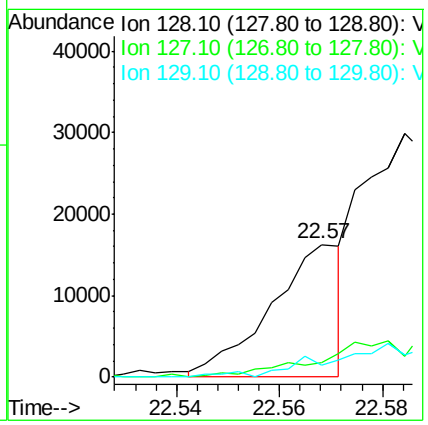


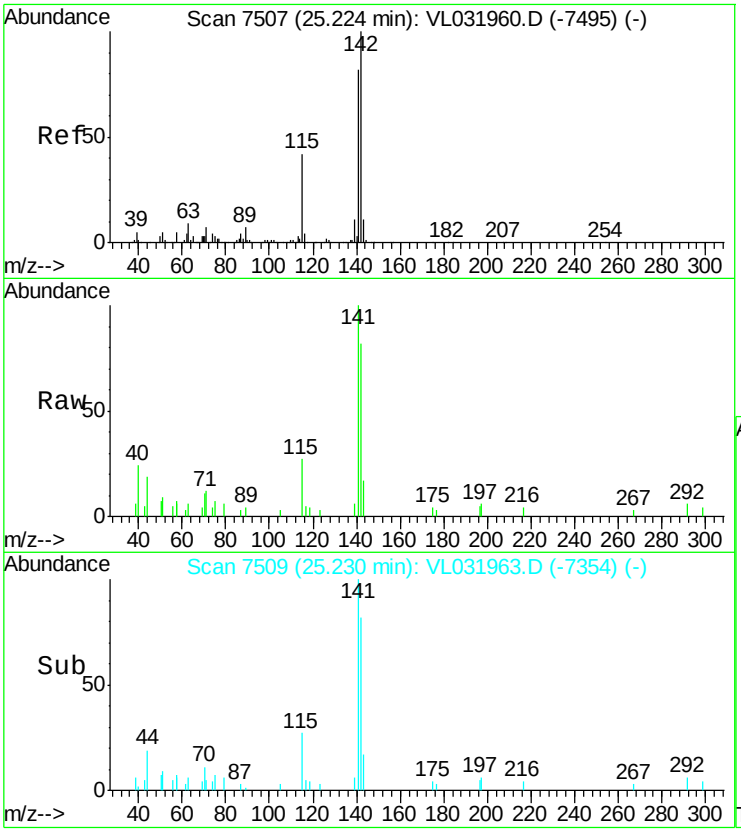


#79
Naphthalene
Concen: 0.089 ppbv
RT: 22.57 min Scan# 6681
Delta R.T. -0.02 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion:128 Resp: 15638

Ion	Ratio	Lower	Upper
128	100		
127	10.9	10.2	15.4
129	9.6	9.4	14.2



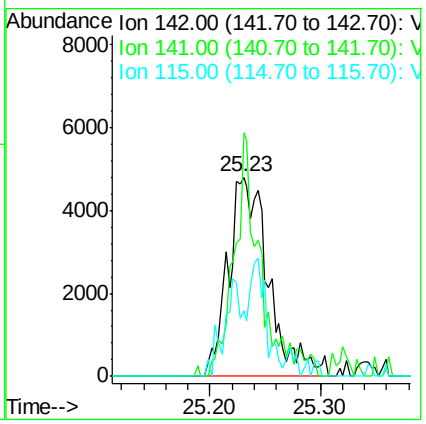


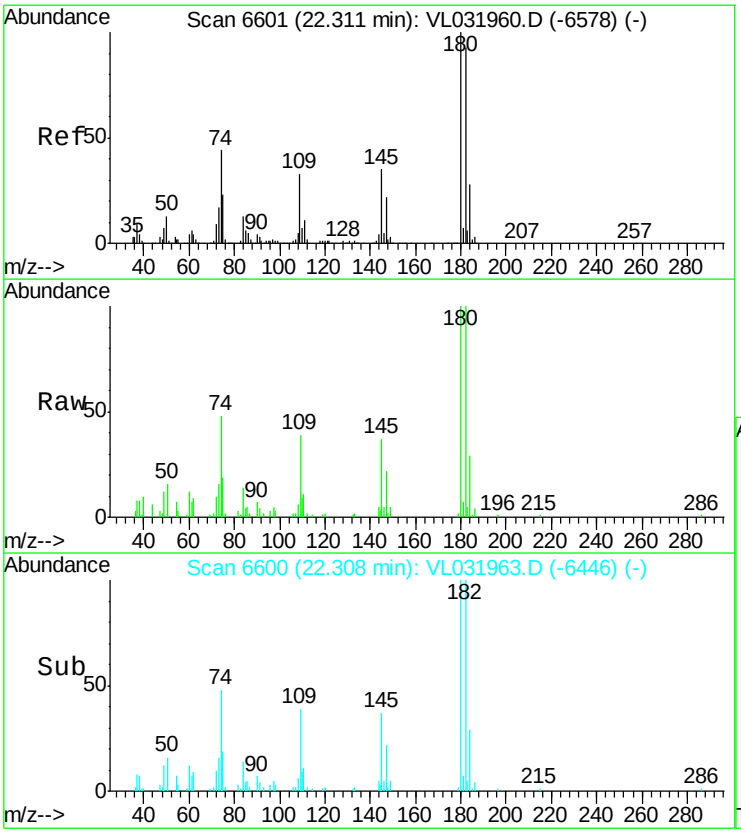
#80
Naphthalene,2-methyl-
Concen: 0.353 ppbv
RT: 25.23 min Scan# 7509
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 12115

Ion	Ratio	Lower	Upper
142	100		
141	81.2	67.0	100.4
115	52.4	35.3	52.9





#81
1,2,4-Trichlorobenzene
Concen: 0.275 ppbv
RT: 22.31 min Scan# 6600
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion:180 Resp: 26899

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.3	114.5#
184	0.0	24.2	36.2#