Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL050318\
Data File : VL031964.D
Acq On : 3 May 2018 14:01
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 03 14:29:36 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	1283976	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.42	114	2649679	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.39	117	2589676	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.72	95	2093885	10.06	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.16	85	18587	0.070	ppbv		91
3) Chlorodifluoromethane	3.09	51	14587	0.098	ppbv		93
4) Chloromethane	3.25	50	3841	0.050	ppbv		96
5) Vinyl Chloride	3.38	62	3534	0.041	ppbv	#	82
6) Bromomethane	3.61	94	4429	0.079	ppbv		92
7) Chloroethane	3.70	64	3289	0.096	ppbv	#	68
8) Dichlorotetrafluoroethane	3.31	85	19638	0.090	ppbv		97
9) Propene	3.12	41	2701	0.052	ppbv	#	38
10) Heptane	8.38	43	4364	0.026	ppbv	#	26
11) Trichlorofluoromethane	4.11	101	24985	0.096	ppbv		89
12) 1,1,2-Trichlorotrifluoroet	4.66	101	11954	0.071	ppbv	#	60
13) Ethanol	3.76	45	1136	0.065	ppbv	#	1
14) Bromoethene	3.88	108	3344	0.053	ppbv	#	6
15) Acetone	4.02	43	39975	0.202	ppbv		92
16) 1,3-Butadiene	3.45	39	3051	0.042	ppbv	#	1
17) tert-Butyl alcohol	4.49	59	5315	0.065	ppbv	#	72
18) 1,1-Dichloroethene	4.46	96	3350	0.046	ppbv	#	40
20) Methylene Chloride	4.51	84	15524	0.216	ppbv	#	63
21) Allyl Chloride	4.58	41	6197	0.055	ppbv	#	29
22) trans-1,2-Dichloroethene	5.07	96	3219	0.043	ppbv	#	74
24) 1,1-Dichloroethane	5.20	63	8594	0.043	ppbv		99
25) Ethyl Acetate	5.90	43	27748	0.090	ppbv	#	91
26) Hexane	5.90	57	12415	0.086	ppbv	#	81
27) Carbon Disulfide	4.73	76	7467	0.040	ppbv	#	1
28) Methyl tert-Butyl Ether	5.25	73	11965	0.068	ppbv	#	80
30) Cyclohexane	7.37	84	2904	0.028	ppbv	#	1
31) cis-1,2-Dichloroethene	5.76	61	9231	0.071	ppbv		92
32) 1,1,1-Trichloroethane	6.75	97	19457	0.082	ppbv	#	91
35) Carbon Tetrachloride	7.26	117	10469	0.045	ppbv		84
36) Benzene	7.13	78	11654	0.049	ppbv	#	91
37) 1,2-Dichloroethane	6.54	62	16686	0.094	ppbv	#	95
38) Trichloroethene	8.10	130	2912	0.030	ppbv	#	23
39) 1,2-Dichloropropane	7.42	63	685125	7.733	ppbv	#	22
42) Bromodichloromethane	8.06	83	6002	0.028	ppbv		86
43) Methyl Methacrylate	8.27	69	2346	0.028	ppbv	#	1
44) 2,2,4-Trimethylpentane	8.13	57	17863	0.044	ppbv	#	53
45) t-1,3-Dichloropropene	9.56	75	5043	0.046	ppbv		99
46) cis-1,3-Dichloropropene	8.98	75	2805	0.020	ppbv		99
47) 1,1,2-Trichloroethane	9.74	97	1714	0.016	ppbv	#	30
48) Dibromochloromethane	10.59	129	7314	0.043	ppbv	#	10
49) Bromoform	13.34	173	2406	0.018	ppbv	#	27

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL050318\
Data File : VL031964.D
Acq On : 3 May 2018 14:01
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 03 14:29:36 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)
52) Tetrachloroethene	11.51	164	3215	0.035 ppbv #	44
53) Toluene	10.08	91	4731	0.018 ppbv #	21
54) 1,2-Dibromoethane	10.89	107	2033	0.013 ppbv #	64
56) 1,1,1,2-Tetrachloroethane	12.42	131	3993	0.033 ppbv #	1
57) Chlorobenzene	12.45	112	11607	0.053 ppbv #	90
58) Ethyl Benzene	13.02	91	14895	0.041 ppbv	90
59) m/p-Xylene	13.30	91	4608	0.015 ppbv #	32
60) o-Xylene	14.00	91	12774	0.041 ppbv	68
61) Styrene	13.83	104	1380	0.023 ppbv #	1
62) Isopropylbenzene	14.98	105	5069	0.013 ppbv #	51
63) 1,1,2,2-Tetrachloroethane	13.98	83	16764	0.070 ppbv	71
64) n-propylbenzene	15.86	120	3842	0.039 ppbv #	1
65) tert-Butylbenzene	17.06	119	7751	0.022 ppbv #	1
66) Benzyl Chloride	17.30	91	1055	0.034 ppbv #	33
67) sec-Butylbenzene	17.61	105	20446	0.041 ppbv #	86
69) p-Isopropyltoluene	17.96	119	10886	0.028 ppbv #	42
70) n-Butylbenzene	18.85	91	10752	0.027 ppbv #	34
71) 2-Chlorotoluene	15.76	91	5743	0.020 ppbv #	46
73) 1,3,5-Trimethylbenzene	16.31	105	6880	0.024 ppbv #	43
74) 1,2,4-Trimethylbenzene	17.08	105	8929	0.027 ppbv #	38
75) 1,3-Dichlorobenzene	17.31	146	3600	0.018 ppbv #	1
76) 1,4-Dichlorobenzene	17.46	146	8647	0.045 ppbv #	8
77) 1,2-Dichlorobenzene	18.14	146	12705	0.065 ppbv	65
78) Hexachloro-1,3-Butadiene	23.68	225	4443	0.059 ppbv #	1
79) Naphthalene	22.58	128	3624	0.020 ppbv #	61
80) Naphthalene,2-methyl-	25.23	142	2364	0.066 ppbv #	68
81) 1,2,4-Trichlorobenzene	22.31	180	2300	0.023 ppbv #	12

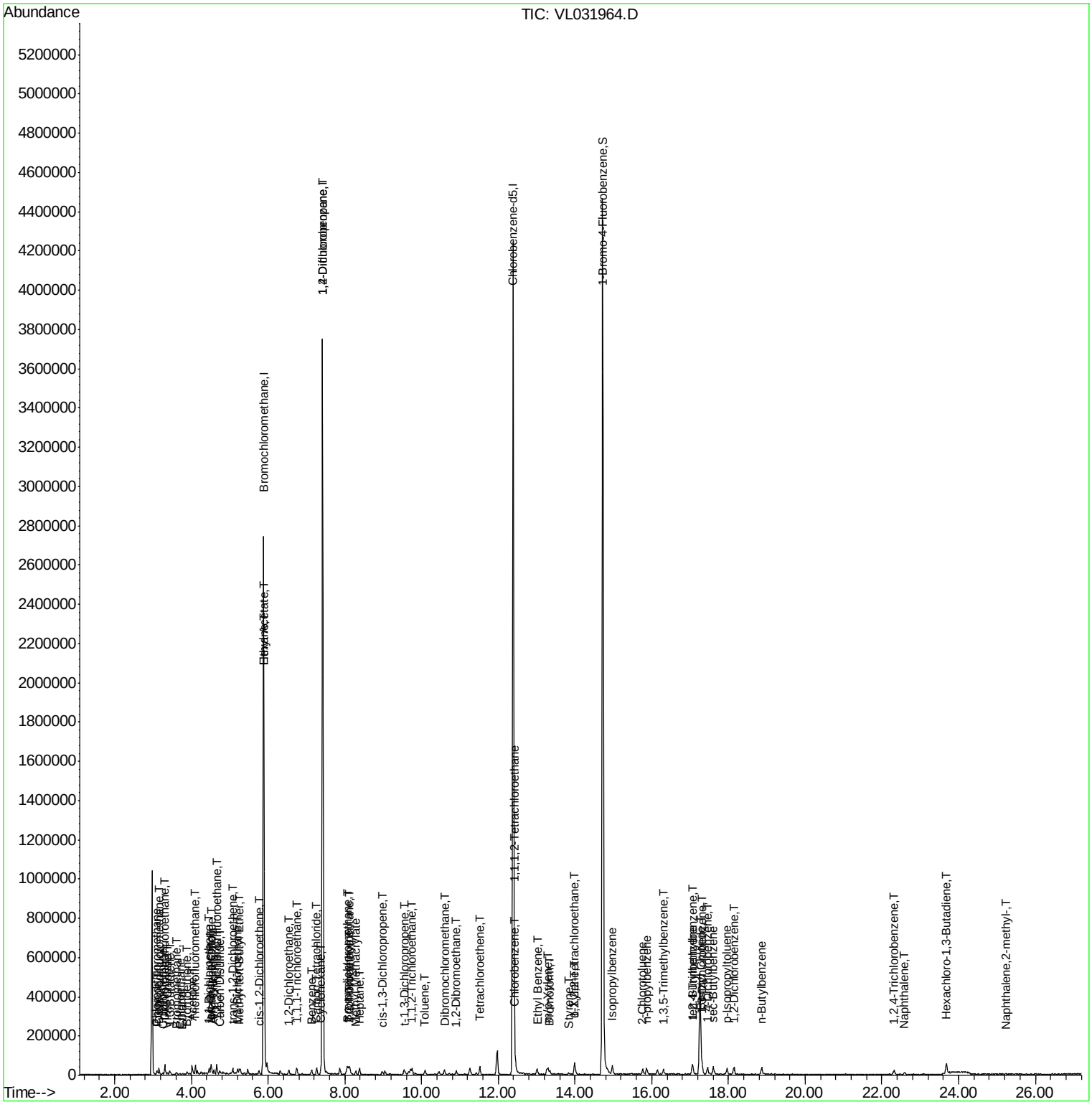
(#) = qualifier out of range (m) = manual integration (+) = signals summed

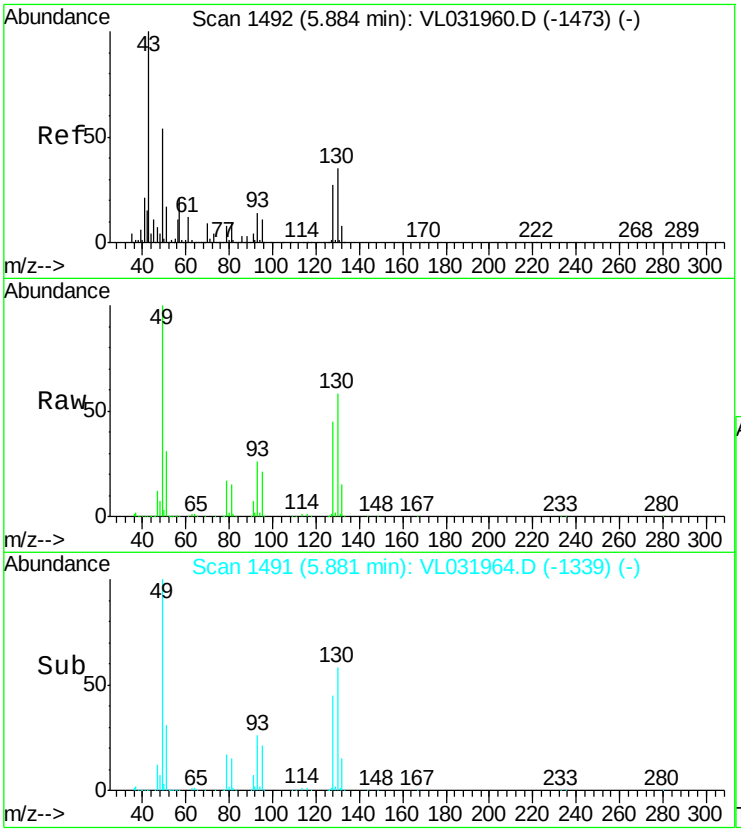
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL050318\
Data File : VL031964.D
Acq On : 3 May 2018 14:01
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 03 14:29:36 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



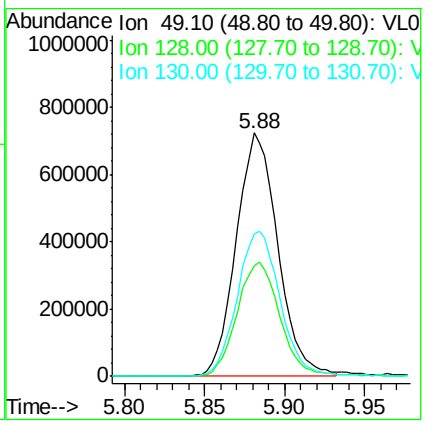


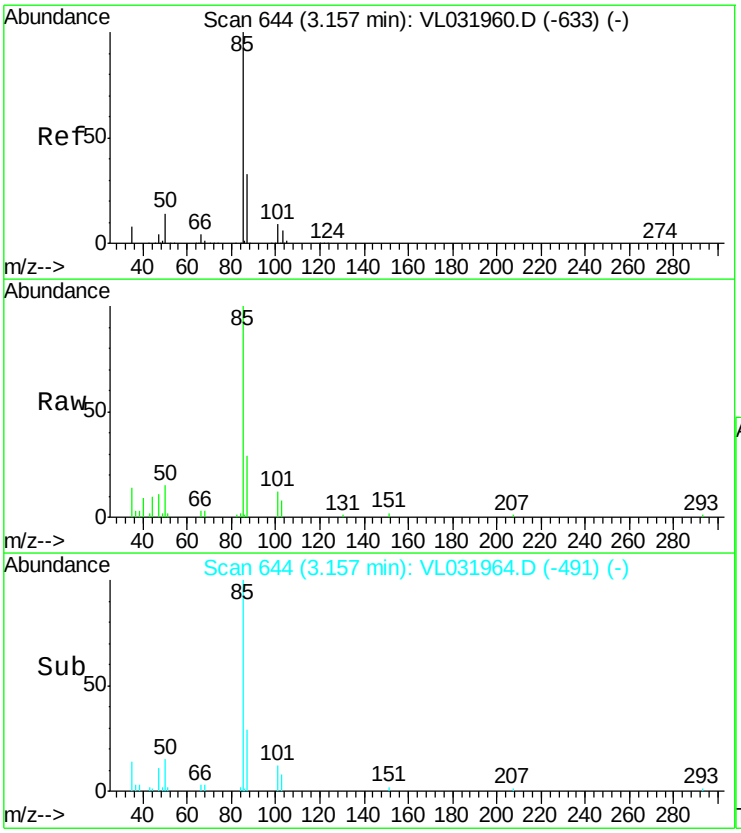
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.88 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1283976

Ion	Ratio	Lower	Upper
49	100		
128	48.8	23.9	71.7
130	62.5	30.9	92.7

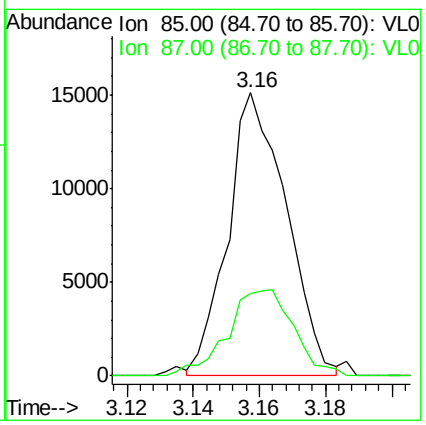


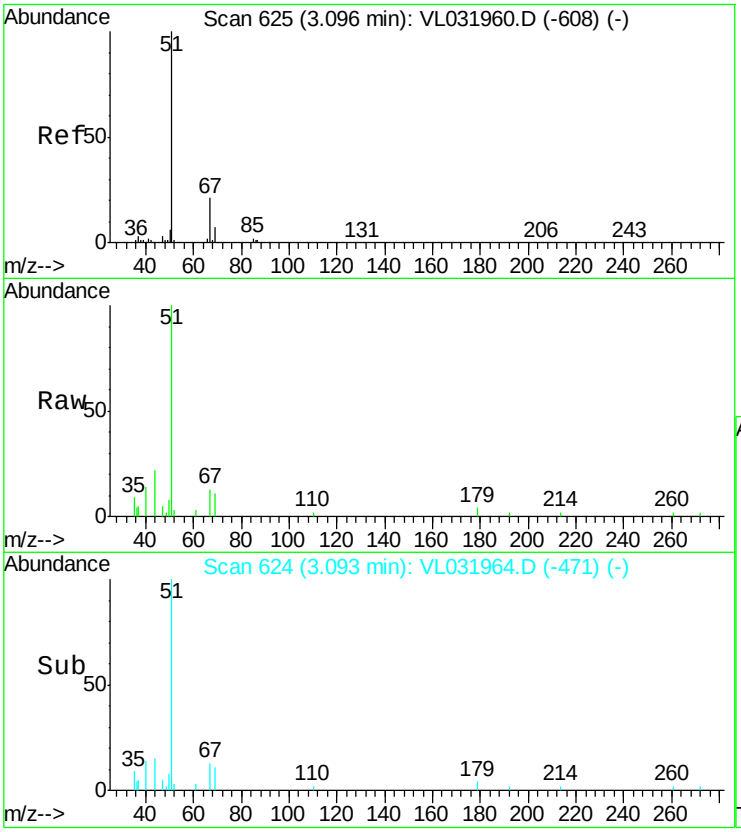


#2
Dichlorodifluoromethane
Concen: 0.070 ppbv
RT: 3.16 min Scan# 644
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 85 Resp: 18587

Ion	Ratio	Lower	Upper
85	100		
87	27.5	25.9	38.9

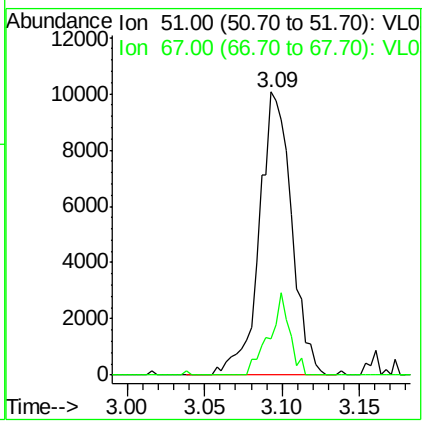




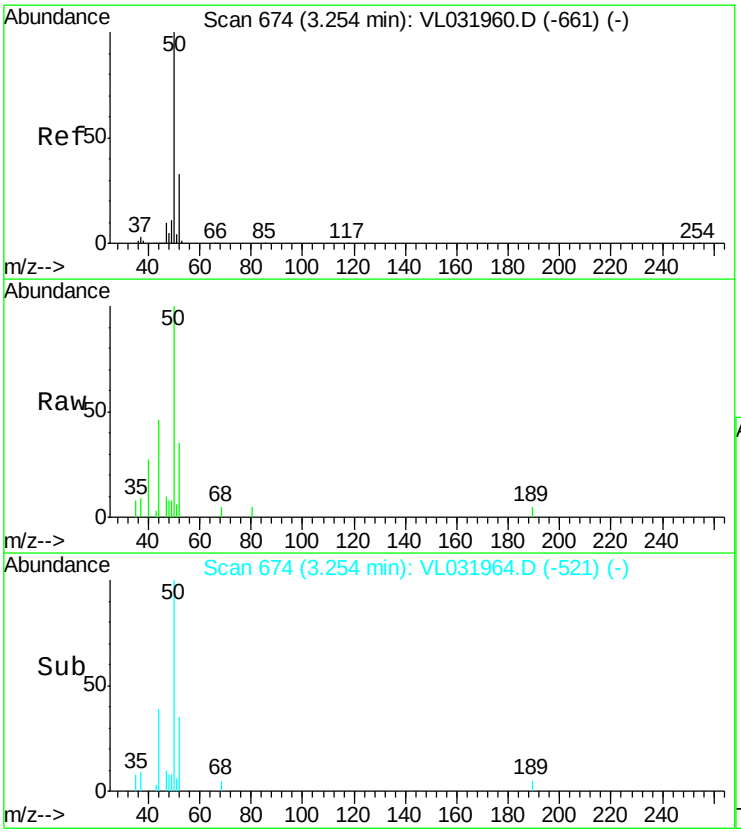
#3
Chlorodifluoromethane
Concen: 0.098 ppbv
RT: 3.09 min Scan# 624
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 51 Resp: 14587

Ion	Ratio	Lower	Upper
51	100		
67	18.4	17.5	26.3



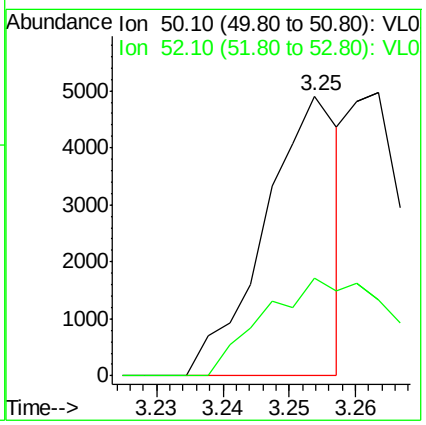
Instrument :
MSVOA_L
ClientSampleId :

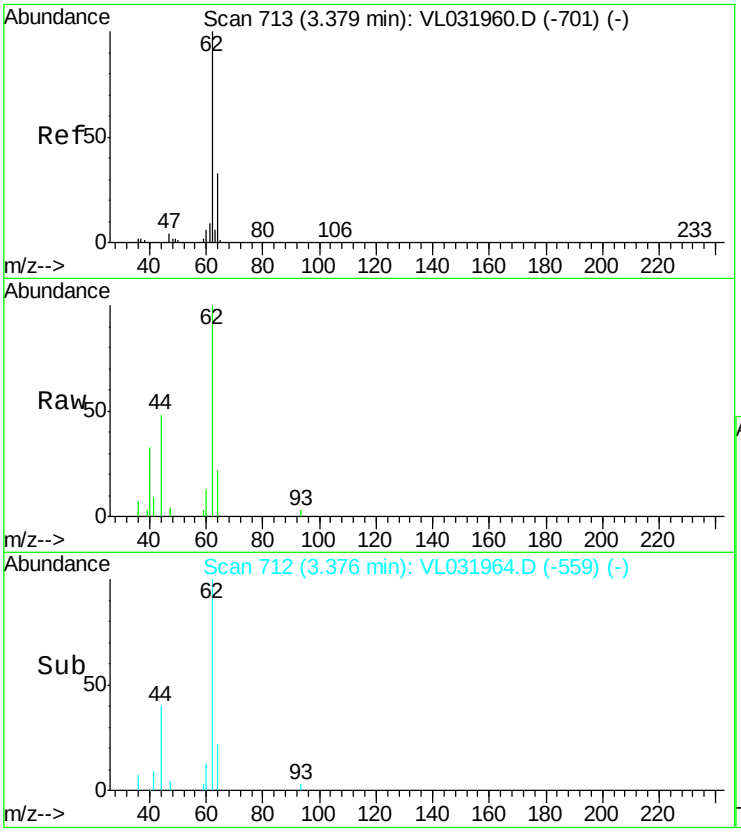


#4
Chloromethane
Concen: 0.050 ppbv
RT: 3.25 min Scan# 674
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 50 Resp: 3841

Ion	Ratio	Lower	Upper
50	100		
52	32.9	28.1	42.1



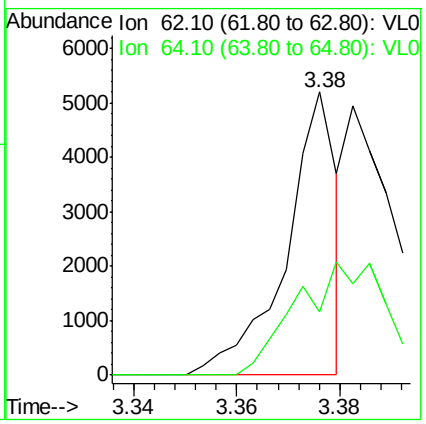


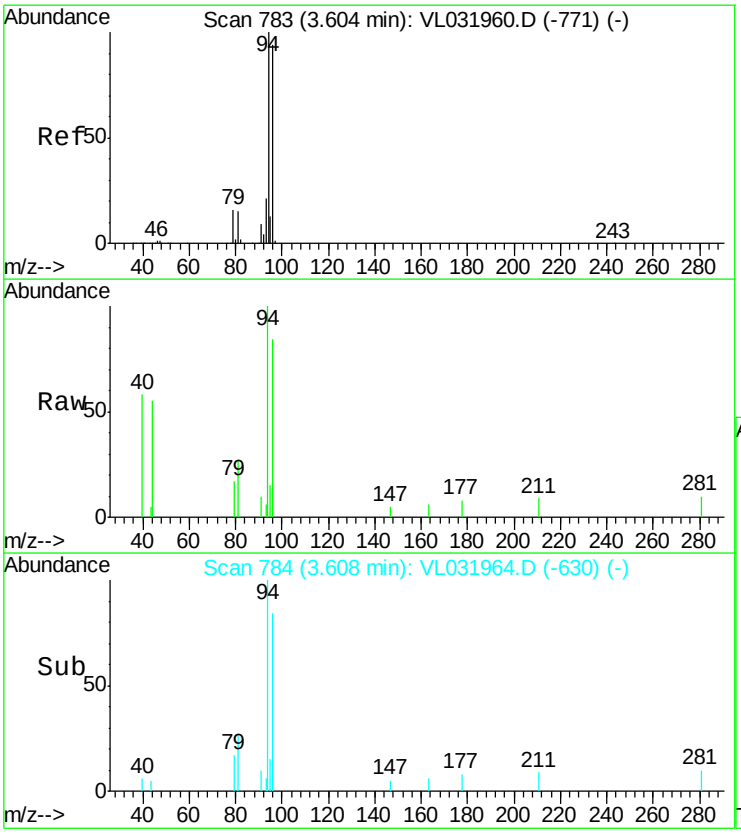
#5
Vinyl Chloride
Concen: 0.041 ppbv
RT: 3.38 min Scan# 712
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 3534

Ion	Ratio	Lower	Upper
62	100		
64	22.5	25.9	38.9#

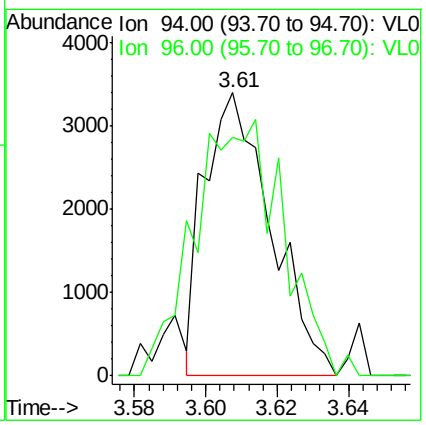


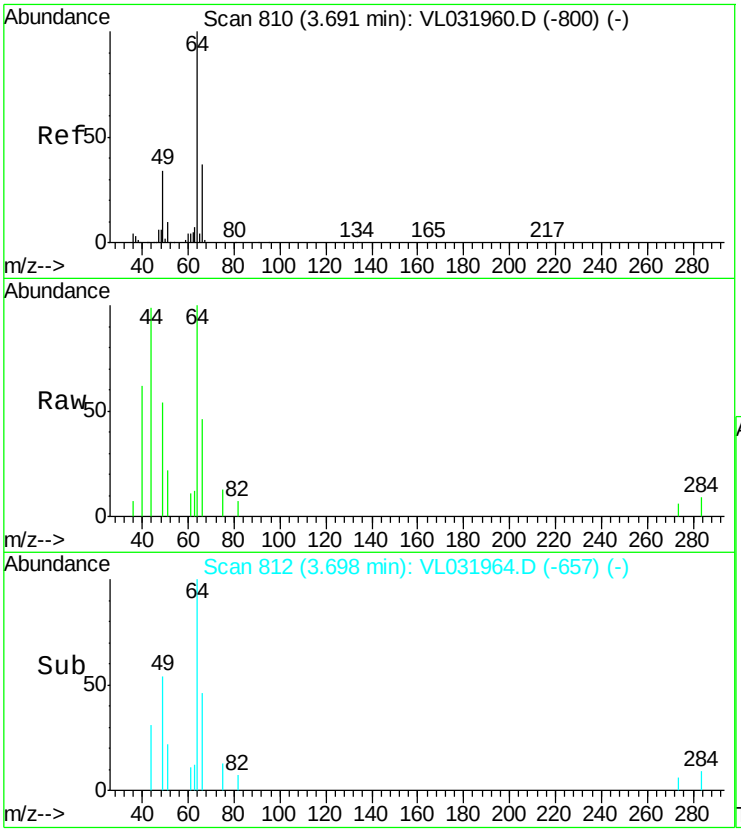


#6
Bromomethane
Concen: 0.079 ppbv
RT: 3.61 min Scan# 784
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 94 Resp: 4429

Ion	Ratio	Lower	Upper
94	100		
96	84.3	73.8	110.6



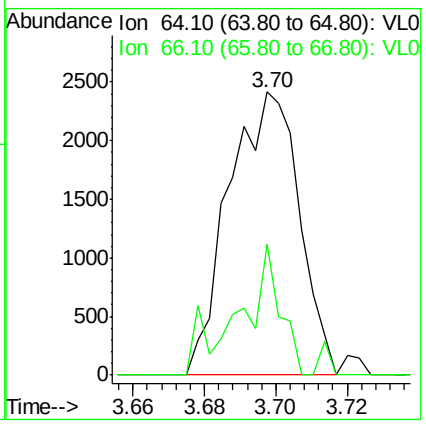


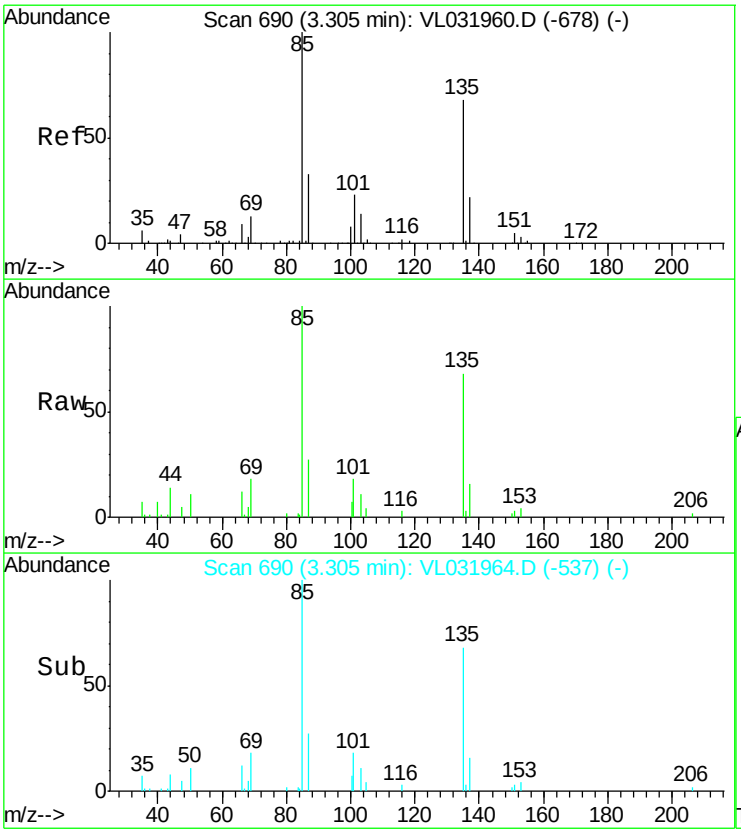
#7
Chloroethane
Concen: 0.096 ppbv
RT: 3.70 min Scan# 812
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 3289

Ion	Ratio	Lower	Upper
64	100		
66	46.4	23.4	35.0#

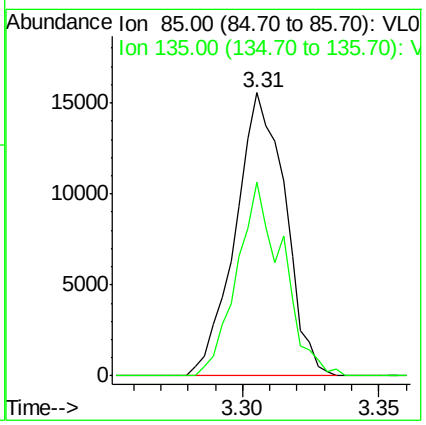


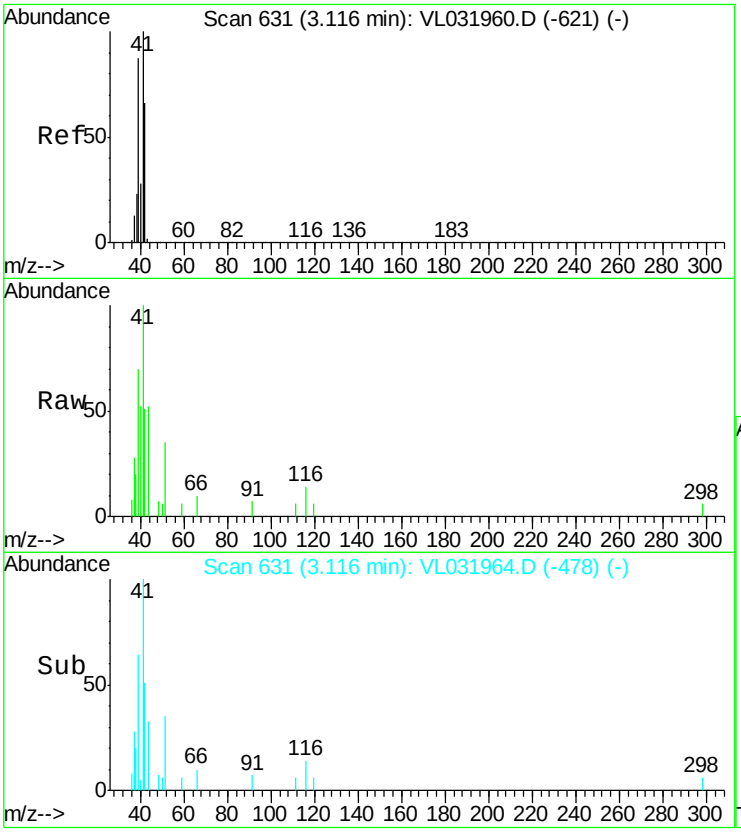


#8
Dichlorotetrafluoroethane
Concen: 0.090 ppbv
RT: 3.31 min Scan# 690
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 85 Resp: 19638

Ion	Ratio	Lower	Upper
85	100		
135	63.4	52.7	79.1



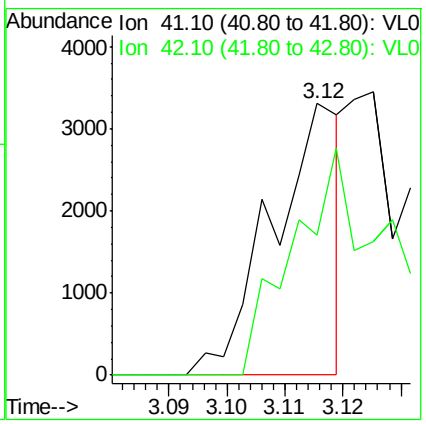


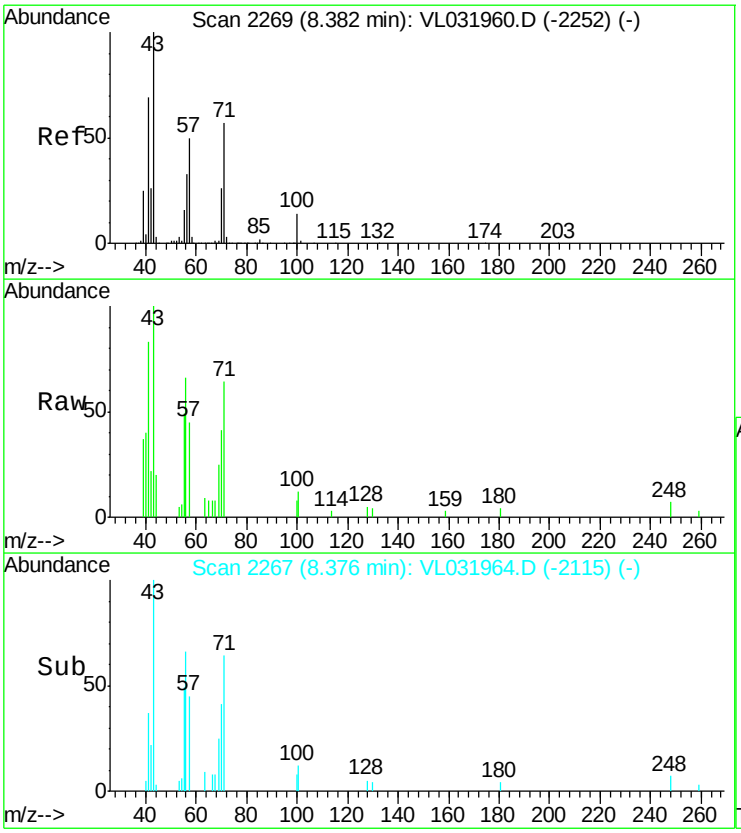
#9
Propene
Concen: 0.052 ppbv
RT: 3.12 min Scan# 631
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 2701

Ion	Ratio	Lower	Upper
41	100		
42	118.7	55.0	82.4#

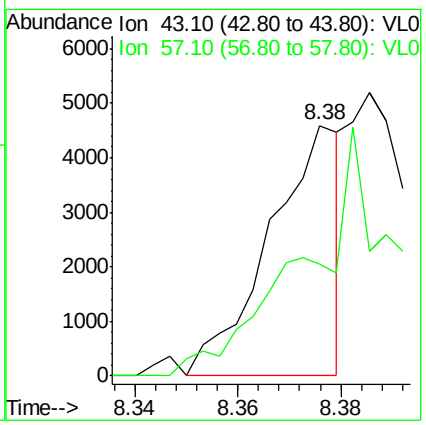


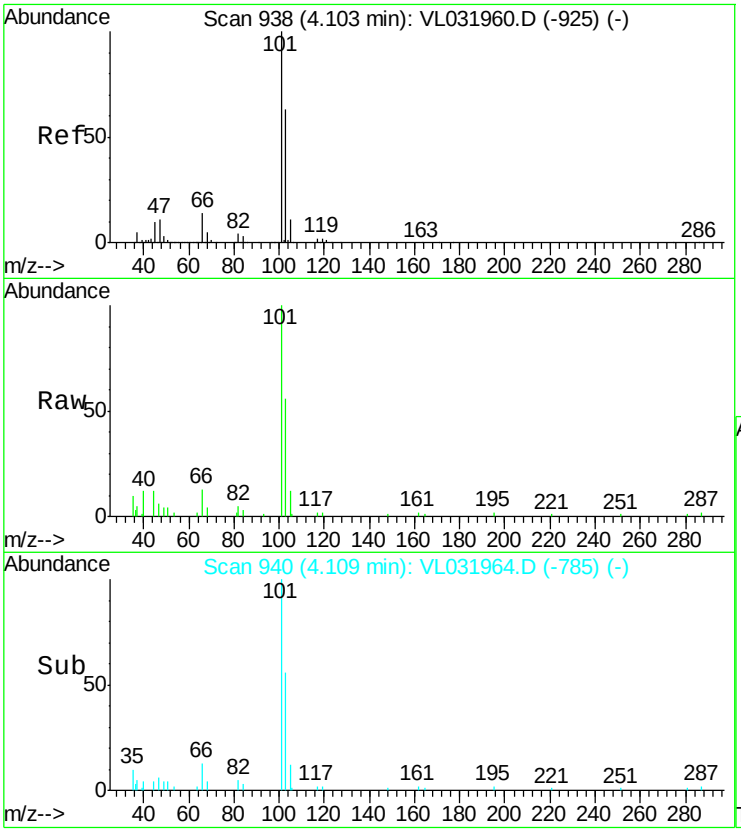


#10
Heptane
Concen: 0.026 ppbv
RT: 8.38 min Scan# 2267
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 43 Resp: 4364

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.5	62.3#



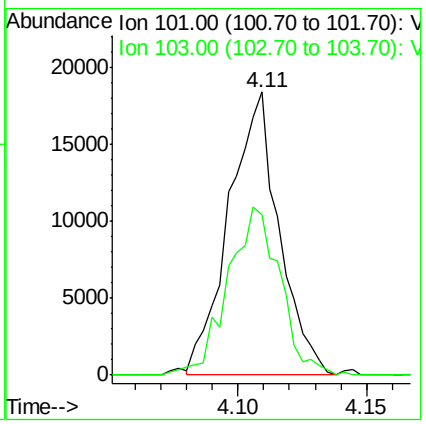


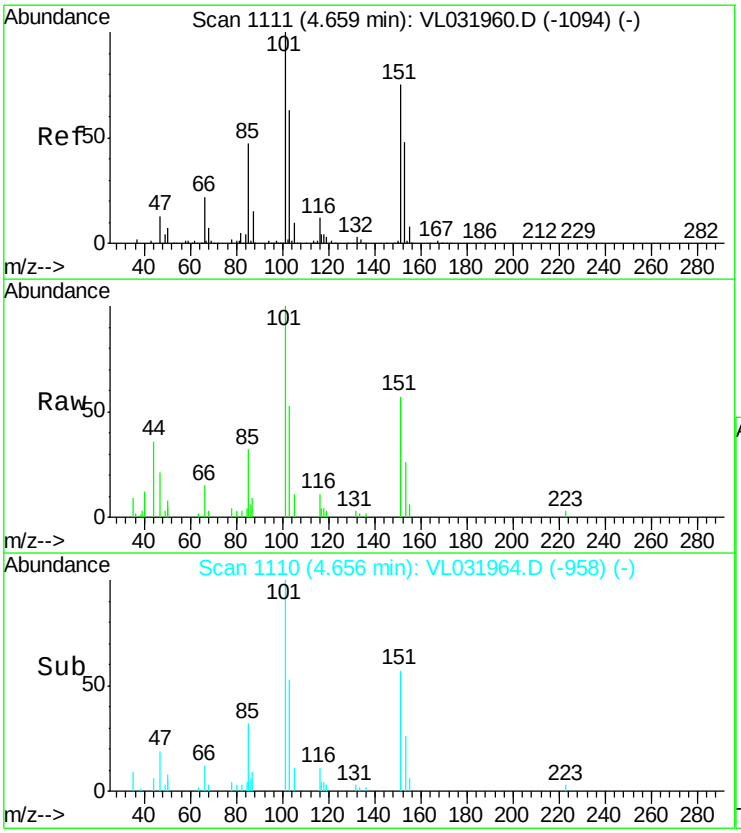
#11
Trichlorofluoromethane
Concen: 0.096 ppbv
RT: 4.11 min Scan# 940
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 24985

Ion	Ratio	Lower	Upper
101	100		
103	56.5	51.8	77.8

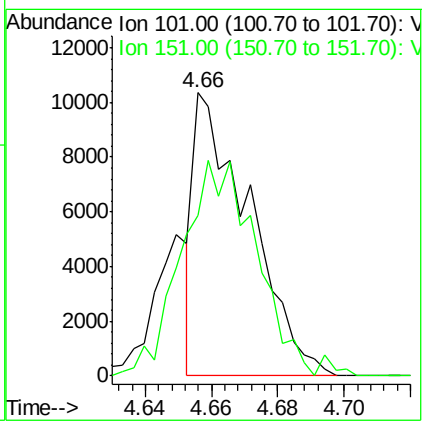


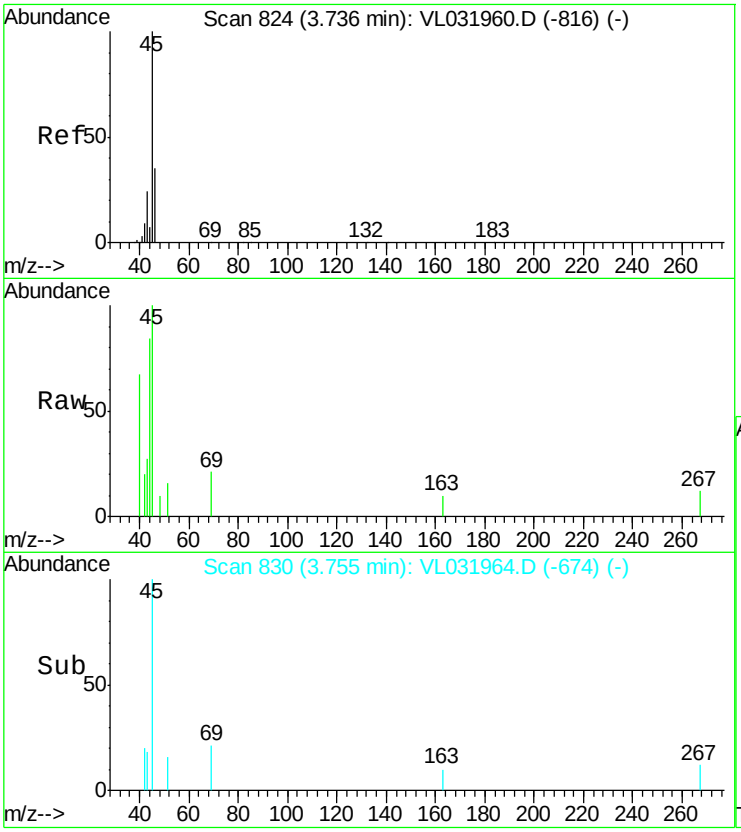


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.071 ppbv
RT: 4.66 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion:101 Resp: 11954

Ion	Ratio	Lower	Upper
101	100		
151	104.4	57.0	85.6#



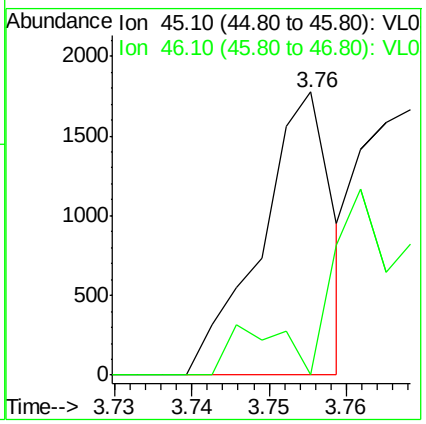


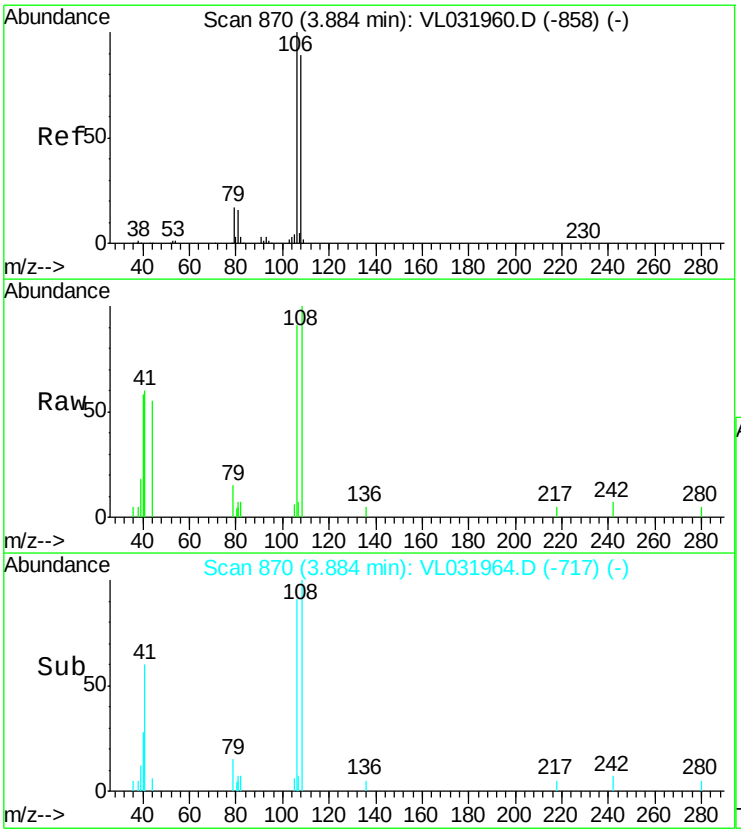
#13
Ethanol
Concen: 0.065 ppbv
RT: 3.76 min Scan# 830
Delta R.T. 0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 1136

Ion	Ratio	Lower	Upper
45	100		
46	100.5	14.6	58.6#

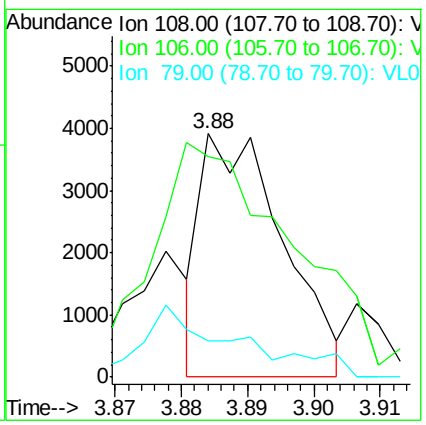


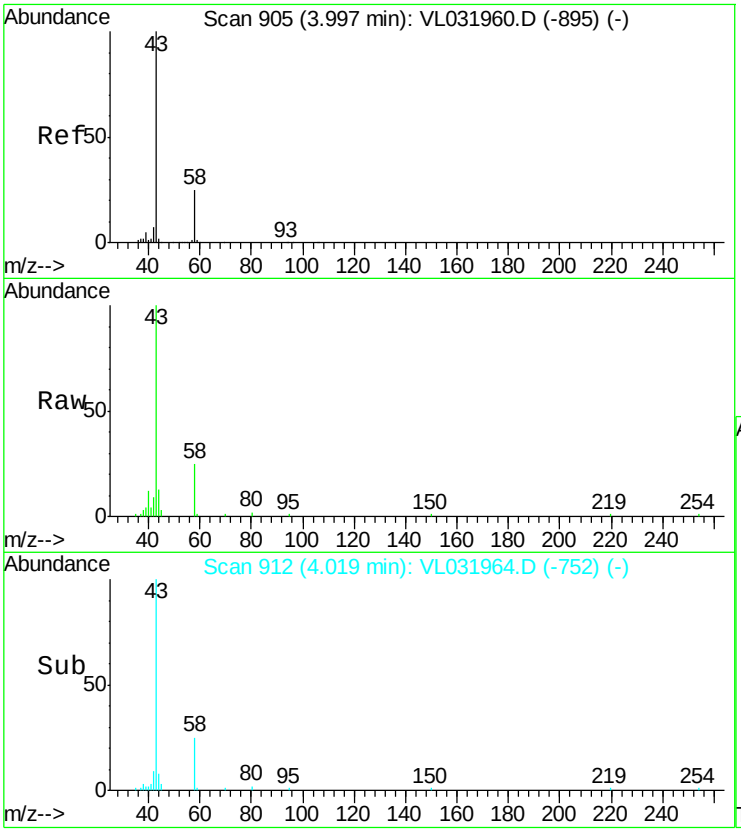


#14
Bromoethene
Concen: 0.053 ppbv
RT: 3.88 min Scan# 870
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion:108 Resp: 3344

Ion	Ratio	Lower	Upper
108	100		
106	0.0	86.6	130.0#
79	0.0	15.5	23.3#



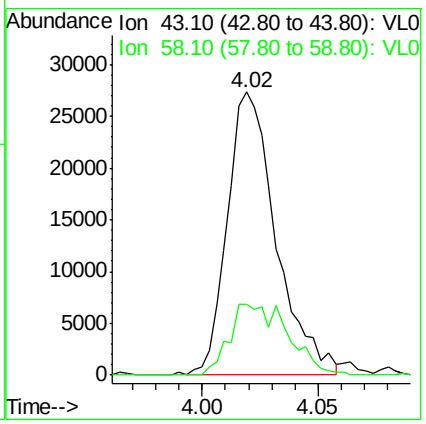


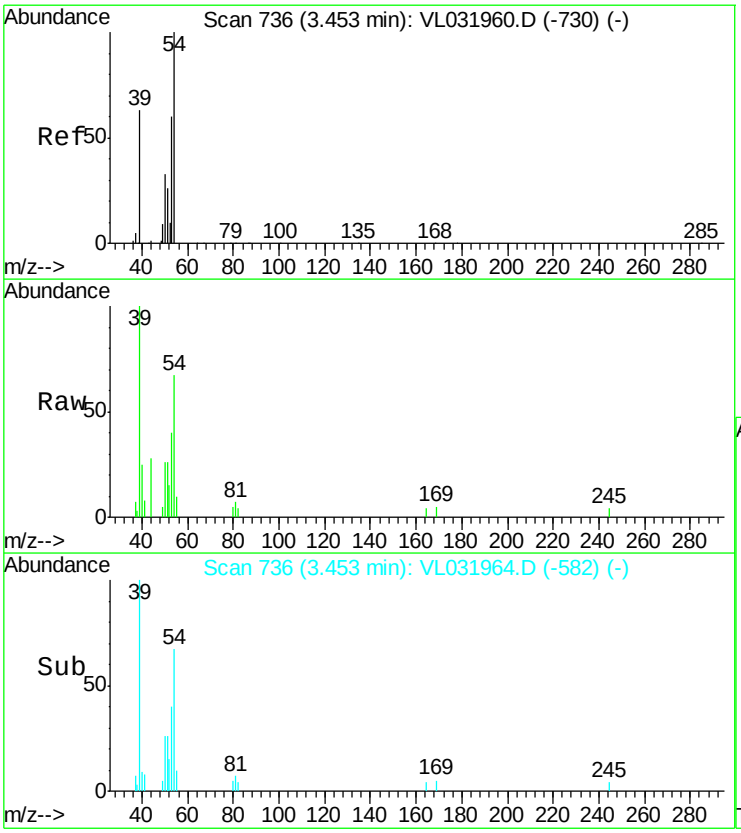
#15
Acetone
Concen: 0.202 ppbv
RT: 4.02 min Scan# 912
Delta R.T. 0.02 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 39975

Ion	Ratio	Lower	Upper
43	100		
58	30.3	20.9	31.3

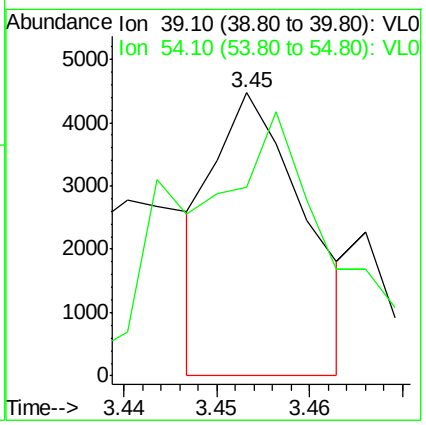


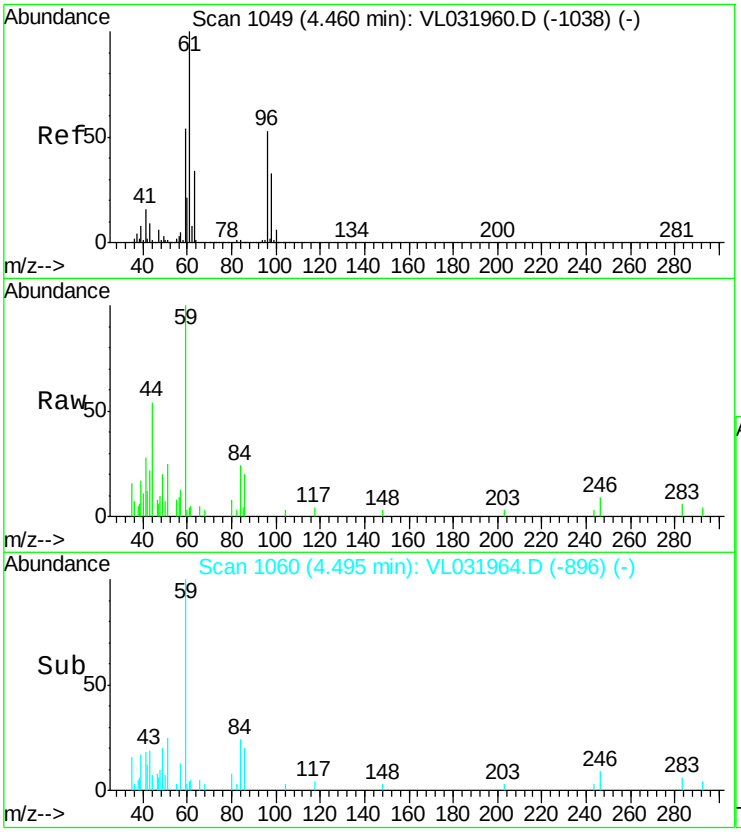


#16
1,3-Butadiene
Concen: 0.042 ppbv
RT: 3.45 min Scan# 736
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 39 Resp: 3051

Ion	Ratio	Lower	Upper
39	100		
54	169.9	63.3	94.9#



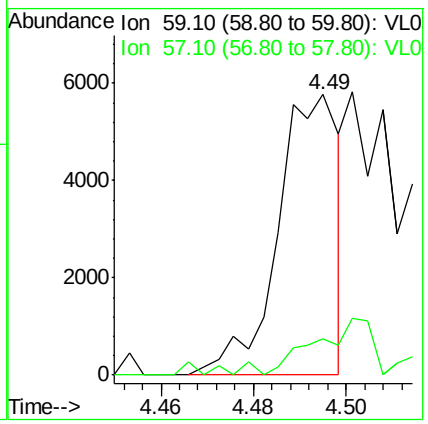


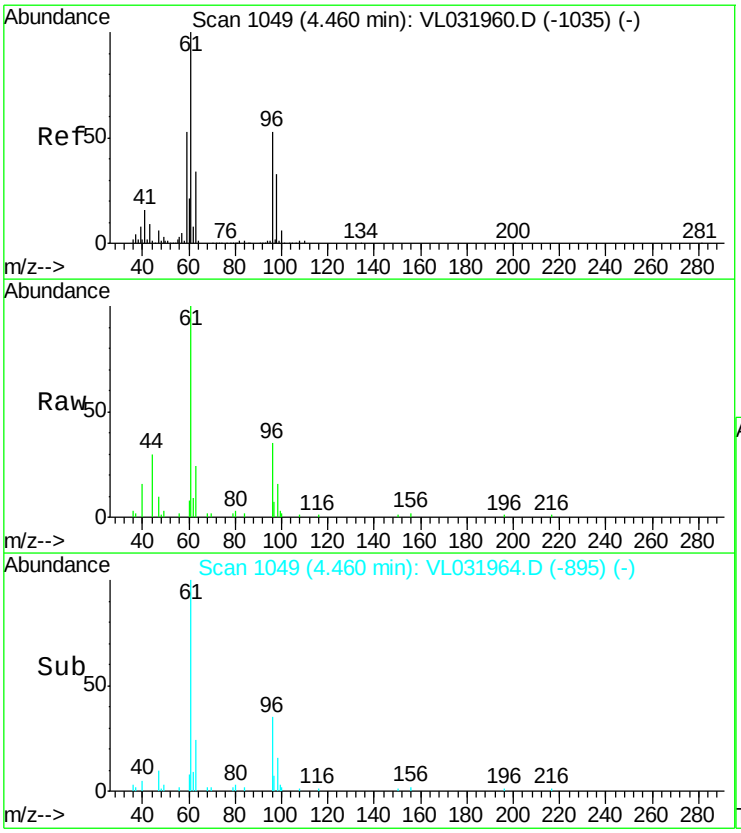
#17
tert-Butyl alcohol
Concen: 0.065 ppbv
RT: 4.49 min Scan# 1060
Delta R.T. 0.03 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 5315

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.5	12.7#

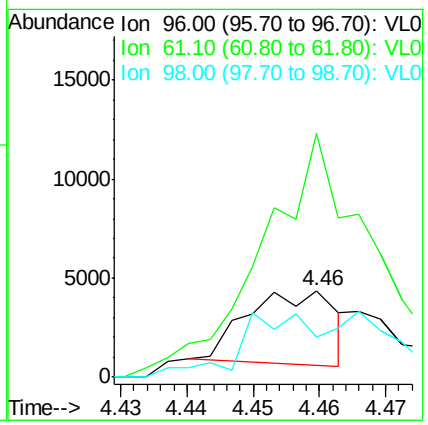


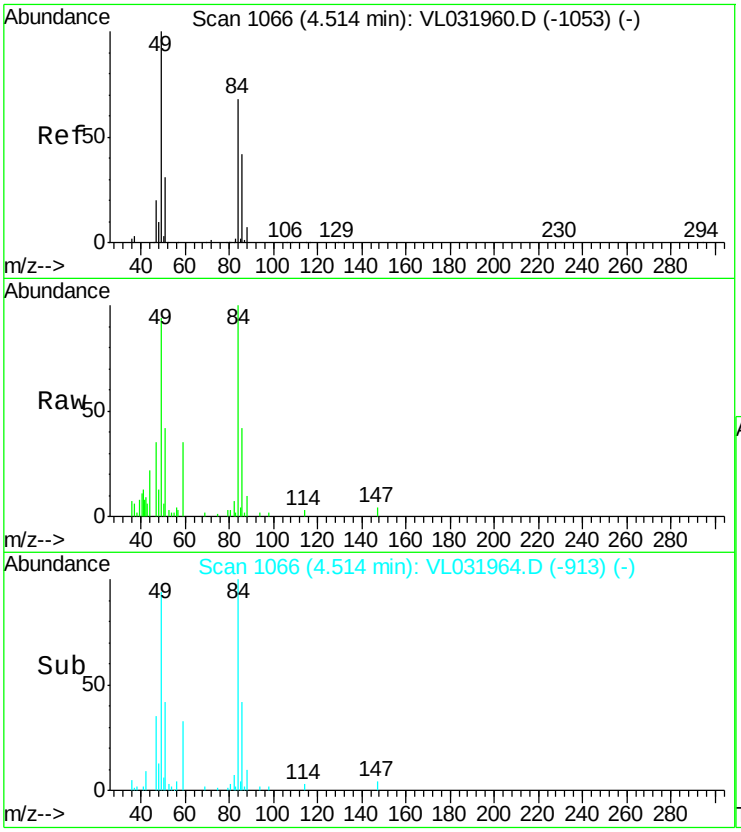


#18
1,1-Dichloroethene
Concen: 0.046 ppbv
RT: 4.46 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 96 Resp: 3350

Ion	Ratio	Lower	Upper
96	100		
61	309.1	161.0	241.6#
98	44.4	52.7	79.1#



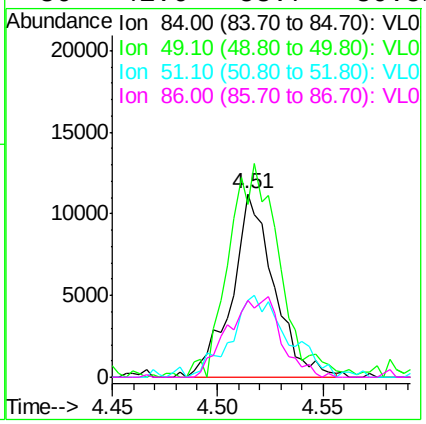


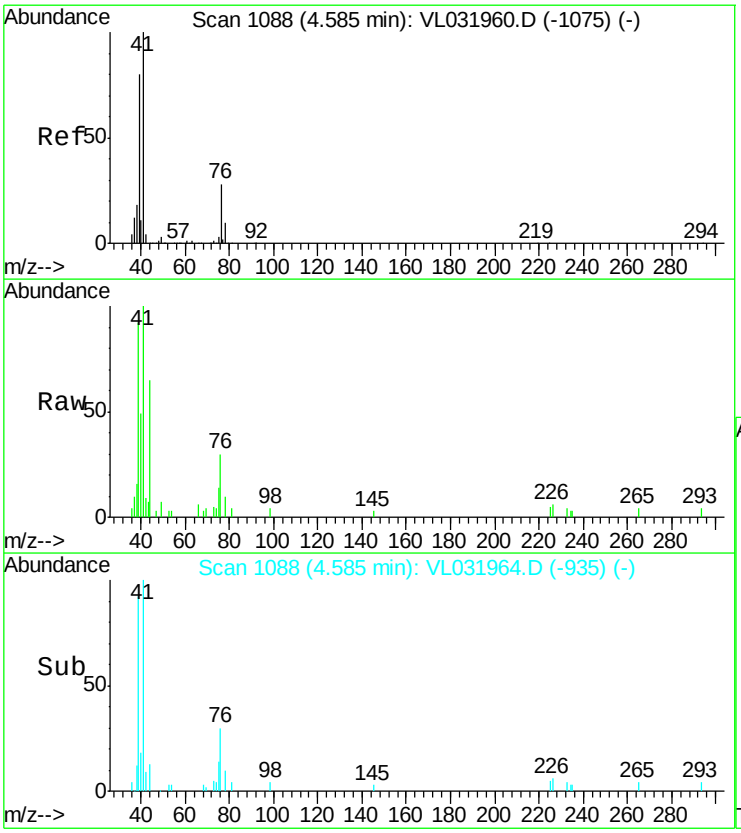
#20
Methylene Chloride
Concen: 0.216 ppbv
RT: 4.51 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 15524

Ion	Ratio	Lower	Upper
84	100		
49	94.1	125.6	188.4#
51	42.0	36.4	54.6
86	41.6	53.7	80.5#

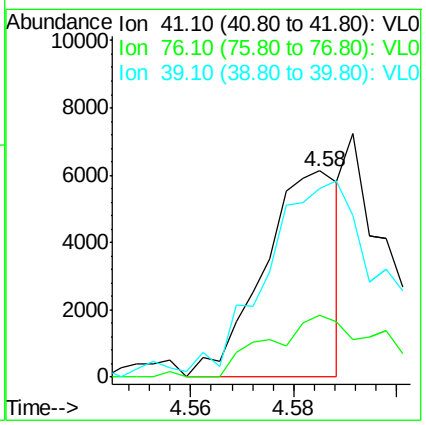


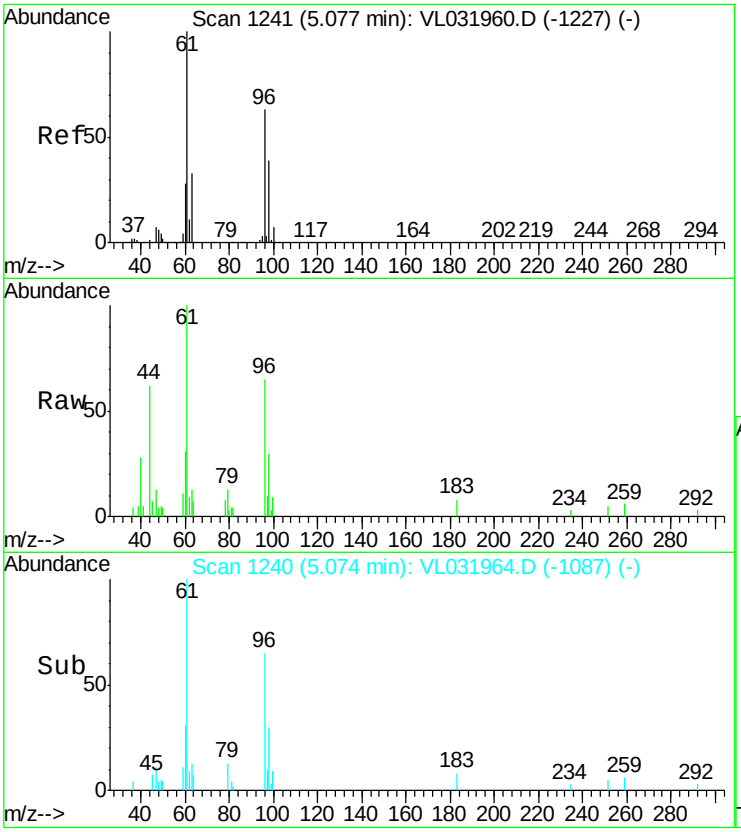


#21
Allyl Chloride
Concen: 0.055 ppbv
RT: 4.58 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 41 Resp: 6197

Ion	Ratio	Lower	Upper
41	100		
76	46.6	23.4	35.2#
39	161.0	67.6	101.4#



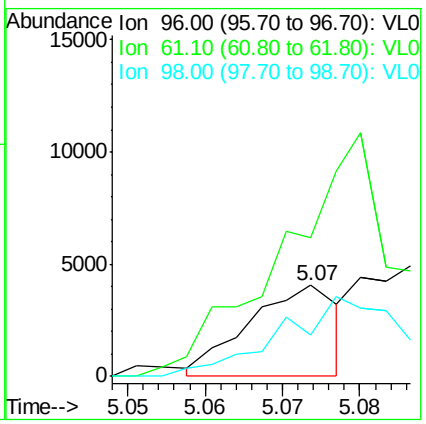


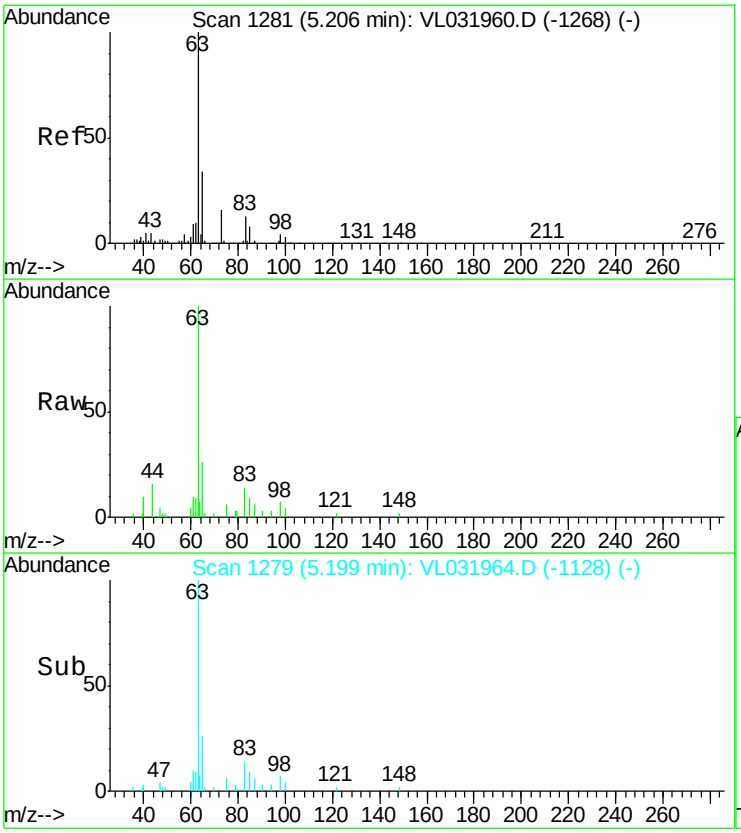
#22
trans-1,2-Dichloroethene
Concen: 0.043 ppbv
RT: 5.07 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 96 Resp: 3219

Ion	Ratio	Lower	Upper
96	100		
61	128.7	131.1	196.7#
98	39.9	47.6	71.4#

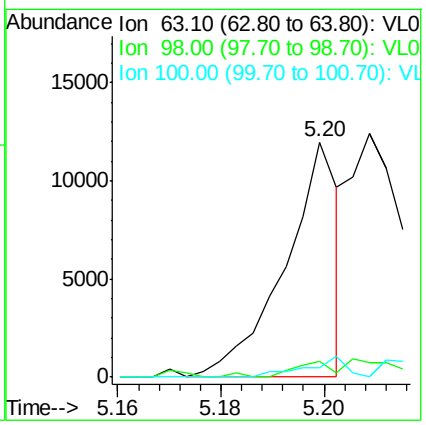


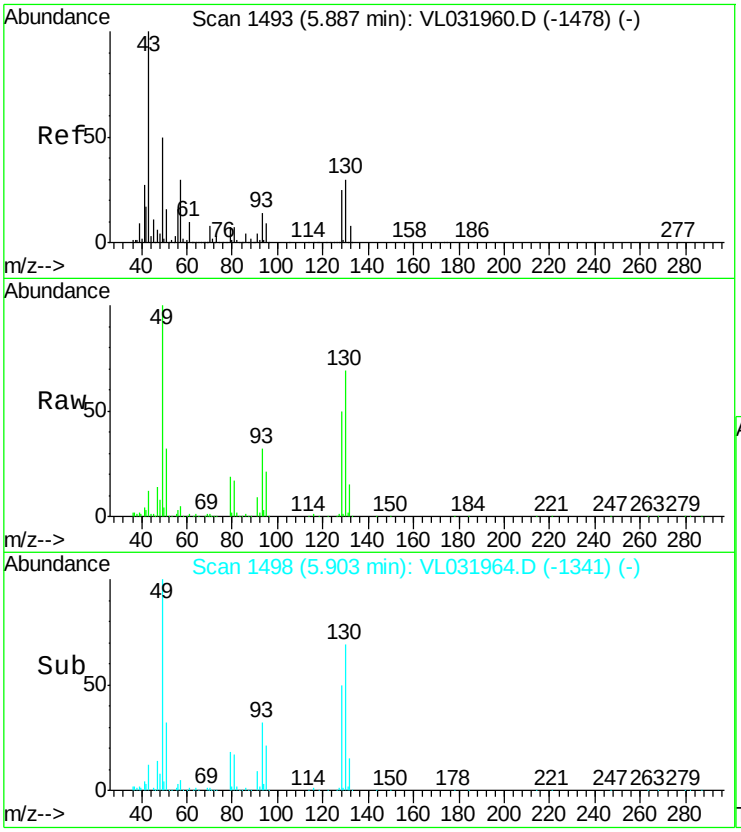


#24
1,1-Dichloroethane
Concen: 0.043 ppbv
RT: 5.20 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 63 Resp: 8594

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.4	7.2
100	3.8	1.5	4.4



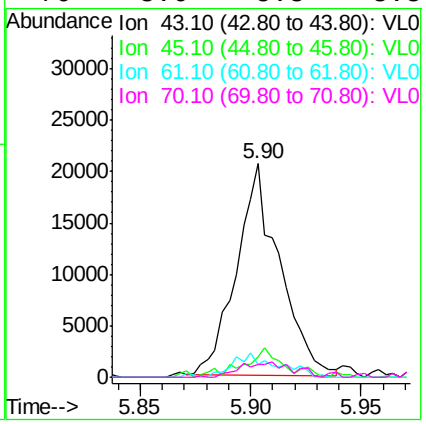


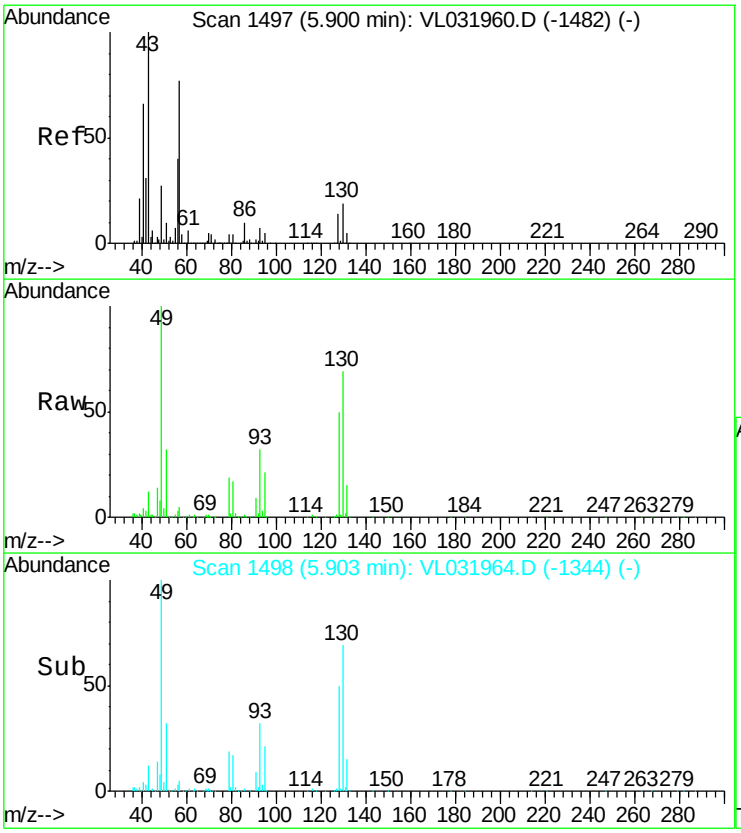
#25
Ethyl Acetate
Concen: 0.090 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. 0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 27748

Ion	Ratio	Lower	Upper
43	100		
45	14.2	7.8	11.8#
61	12.2	7.2	10.8#
70	8.6	5.8	8.8

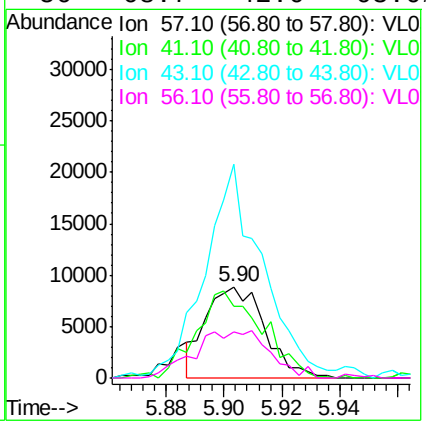


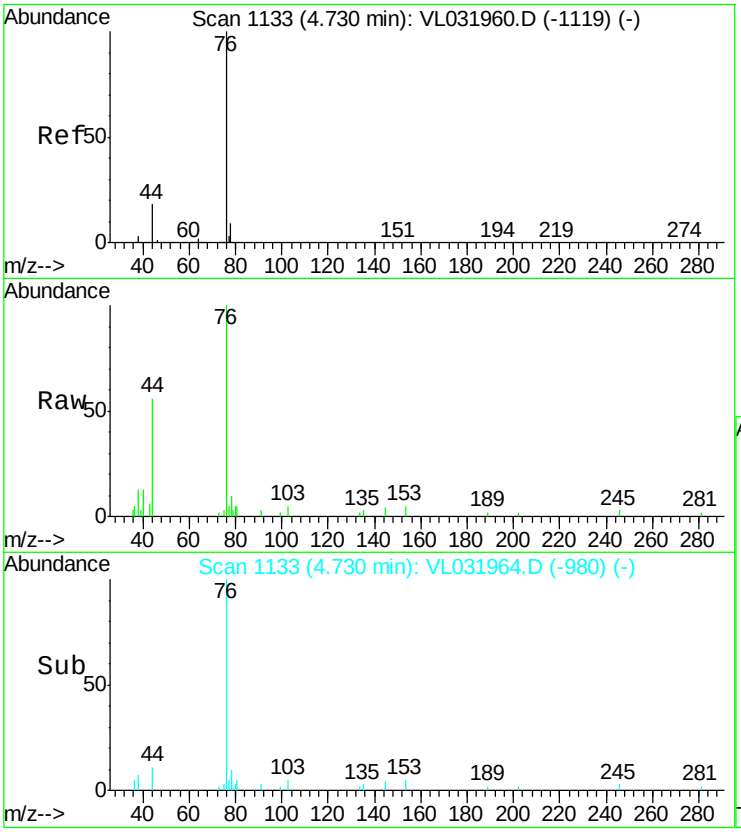


#26
Hexane
Concen: 0.086 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 57 Resp: 12415

Ion	Ratio	Lower	Upper
57	100		
41	109.8	72.0	108.0#
43	239.1	169.8	254.8
56	68.7	42.0	63.0#



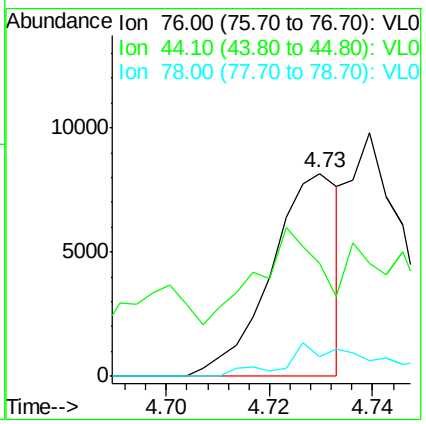


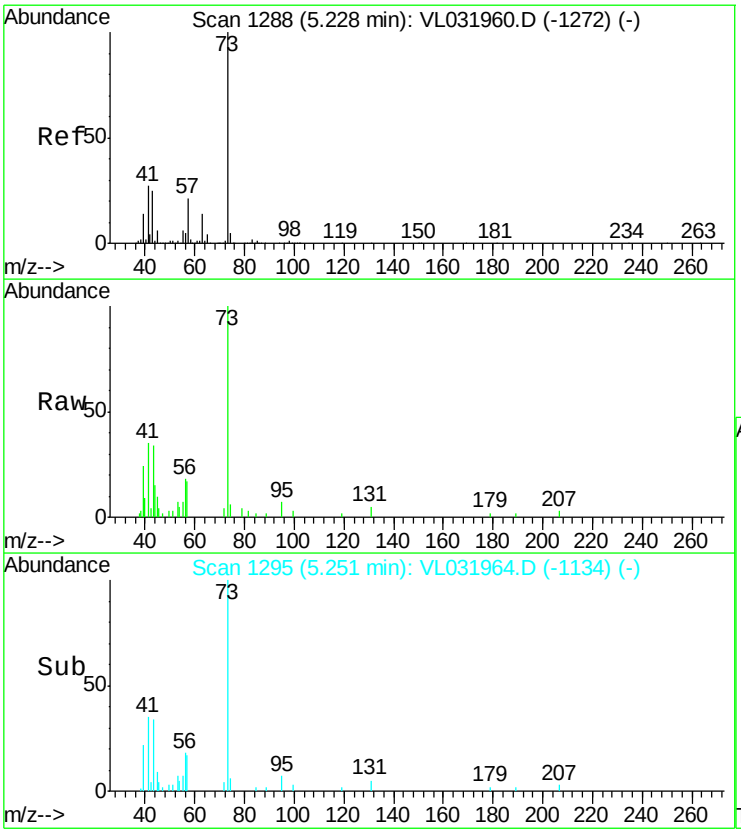
#27
Carbon Disulfide
Concen: 0.040 ppbv
RT: 4.73 min Scan# 1133
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 7467

Ion	Ratio	Lower	Upper
76	100		
44	120.7	15.6	23.4#
78	24.7	7.6	11.4#

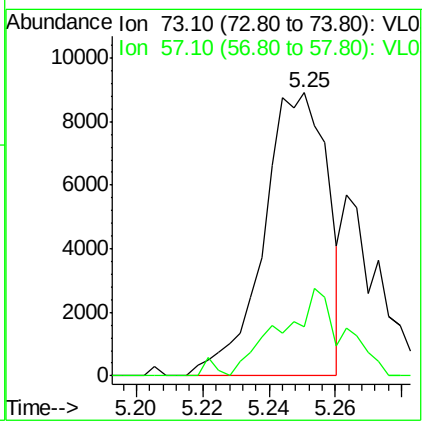


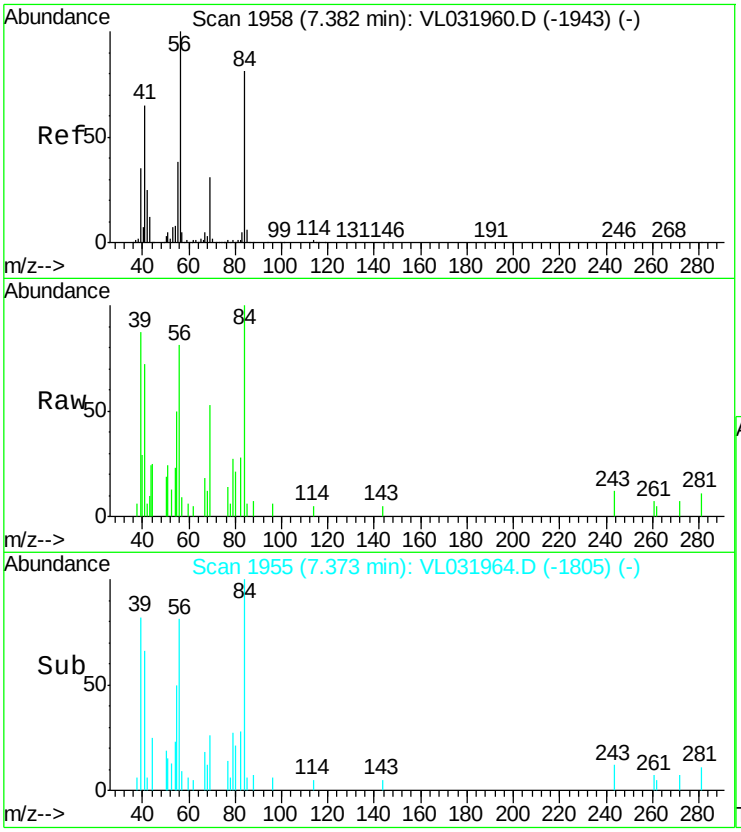


#28
Methyl tert-Butyl Ether
Concen: 0.068 ppbv
RT: 5.25 min Scan# 1295
Delta R.T. 0.02 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 73 Resp: 11965

Ion	Ratio	Lower	Upper
73	100		
57	31.7	17.6	26.4#



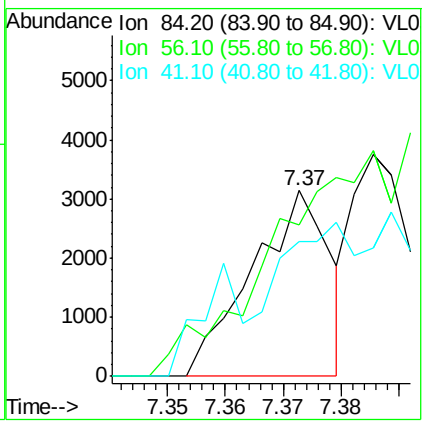


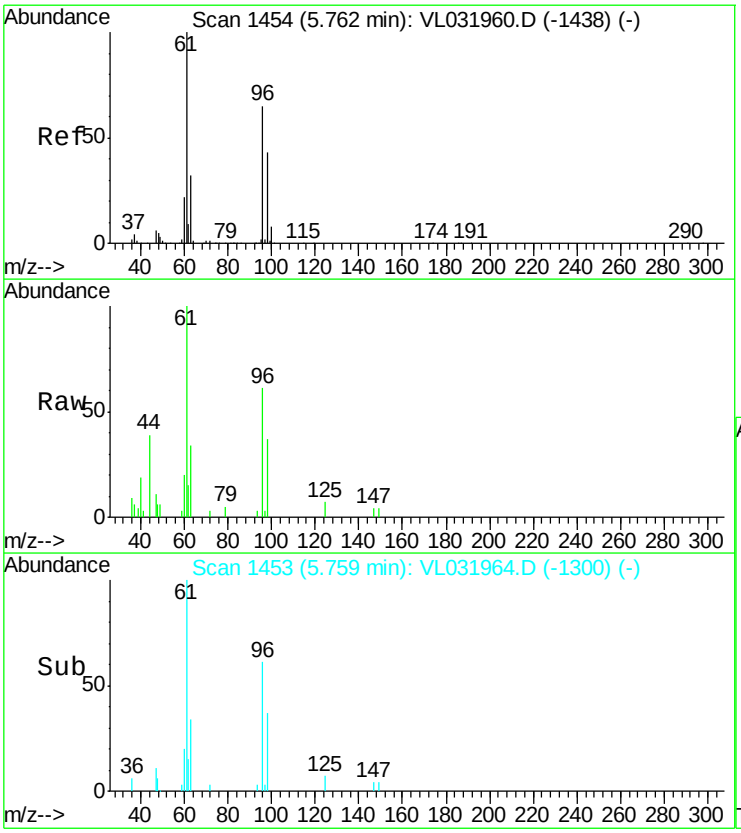
#30
Cyclohexane
Concen: 0.028 ppbv
RT: 7.37 min Scan# 1955
Delta R.T. -0.02 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 2904

Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	0.0	68.2	102.2#

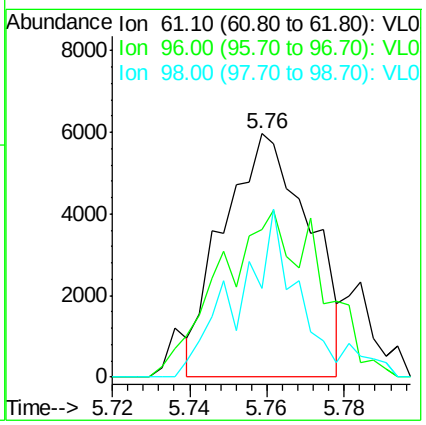


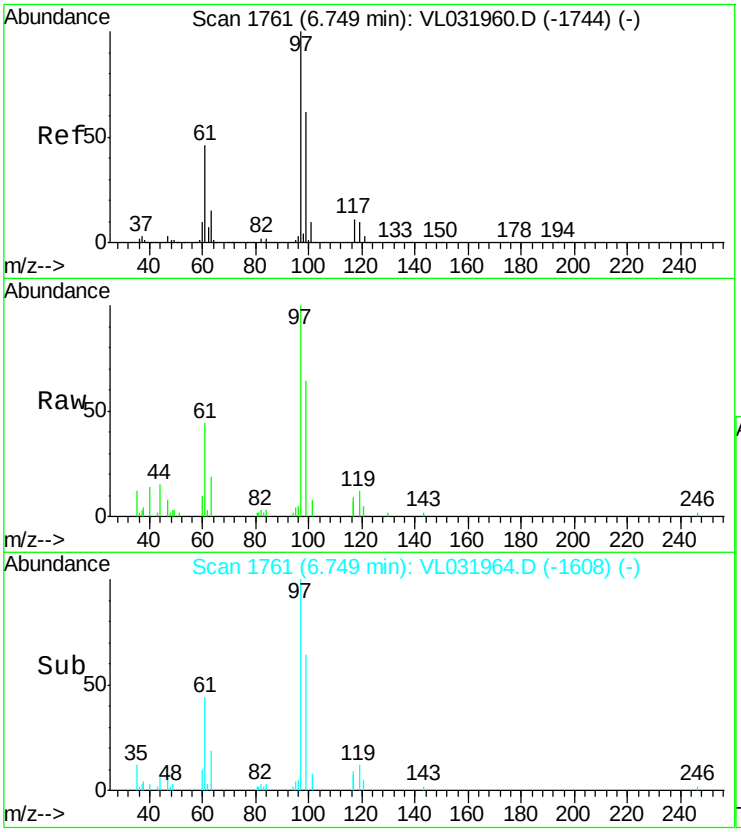


#31
cis-1,2-Dichloroethene
Concen: 0.071 ppbv
RT: 5.76 min Scan# 1453
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 61 Resp: 9231

Ion	Ratio	Lower	Upper
61	100		
96	51.6	47.6	71.4
98	36.2	30.3	45.5



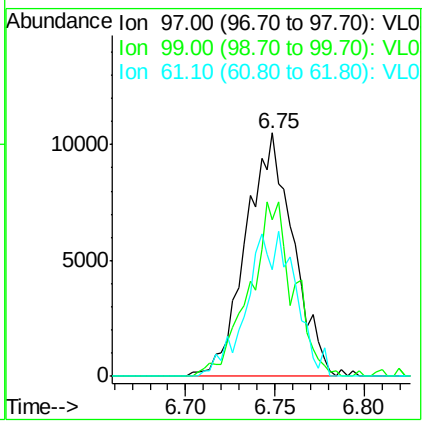


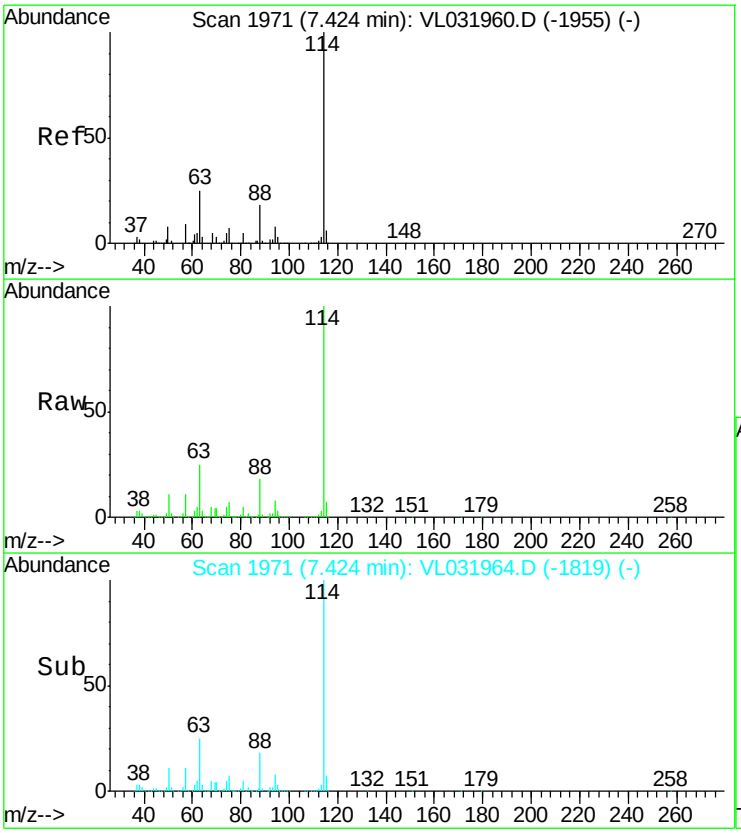
#32
1,1,1-Trichloroethane
Concen: 0.082 ppbv
RT: 6.75 min Scan# 1761
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 19457

Ion	Ratio	Lower	Upper
97	100		
99	67.8	51.5	77.3
61	61.1	40.0	60.0#

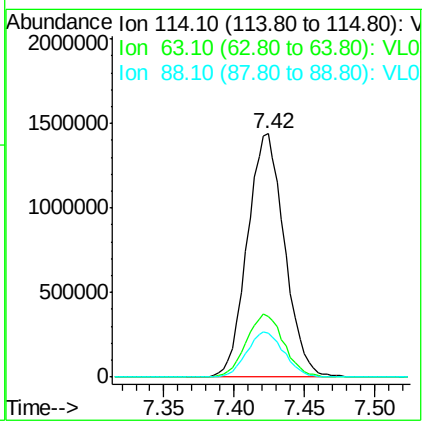


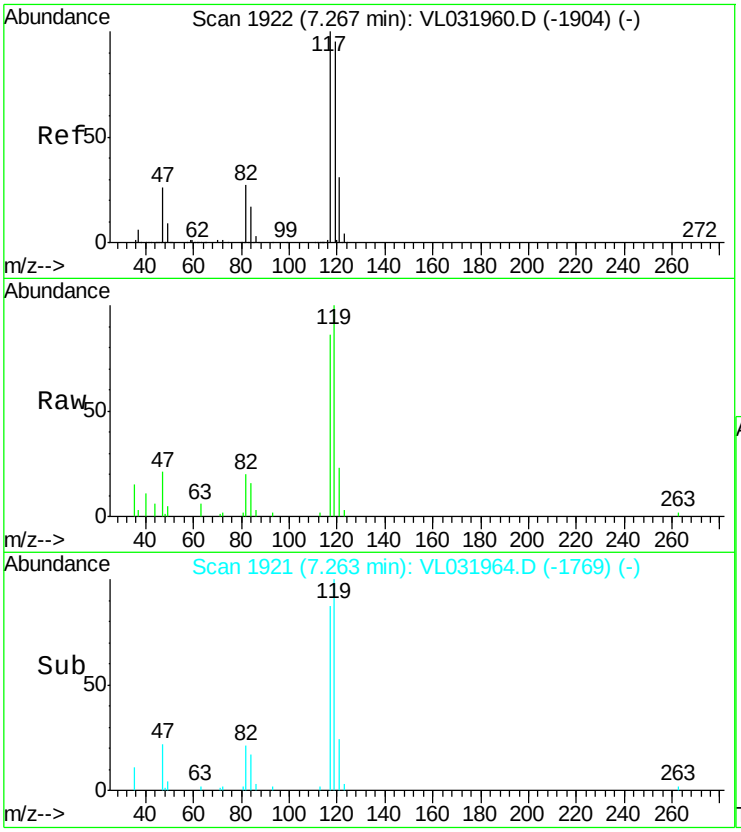


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.42 min Scan# 1971
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion:114 Resp: 2649679

Ion	Ratio	Lower	Upper
114	100		
63	26.2	21.8	32.6
88	18.7	14.6	22.0



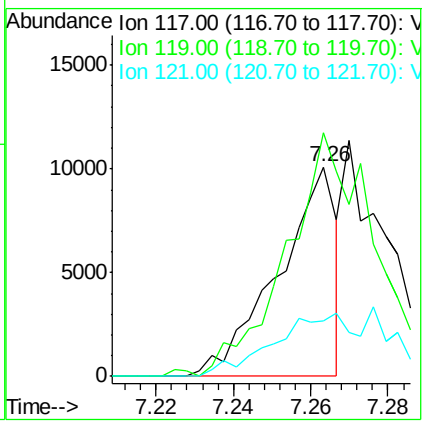


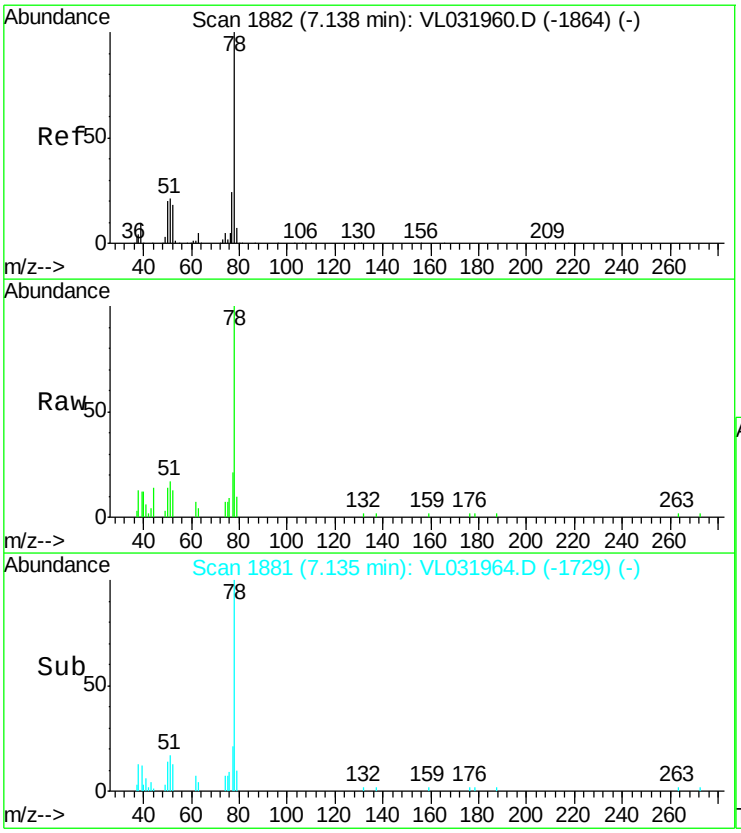
#35
Carbon Tetrachloride
Concen: 0.045 ppbv
RT: 7.26 min Scan# 1921
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 10469

Ion	Ratio	Lower	Upper
117	100		
119	113.9	76.9	115.3
121	26.7	24.5	36.7

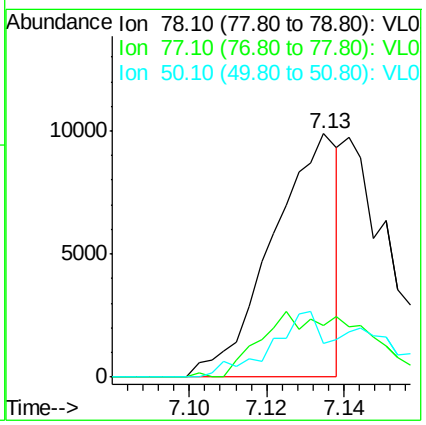


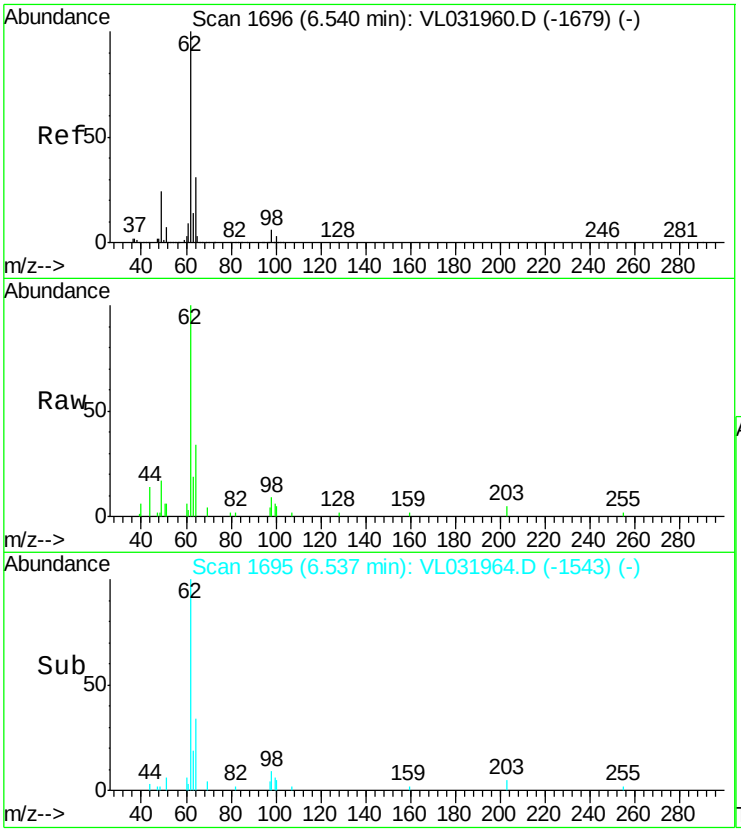


#36
Benzene
Concen: 0.049 ppbv
RT: 7.13 min Scan# 1881
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 78 Resp: 11654

Ion	Ratio	Lower	Upper
78	100		
77	22.0	19.2	28.8
50	14.5	16.7	25.1#



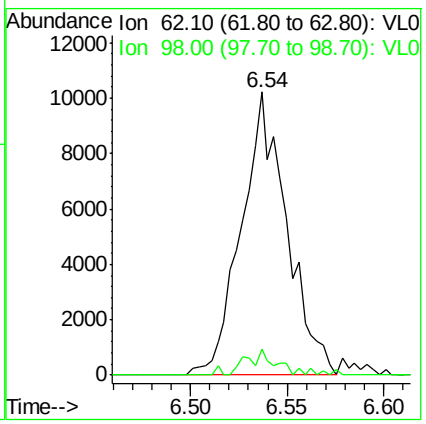


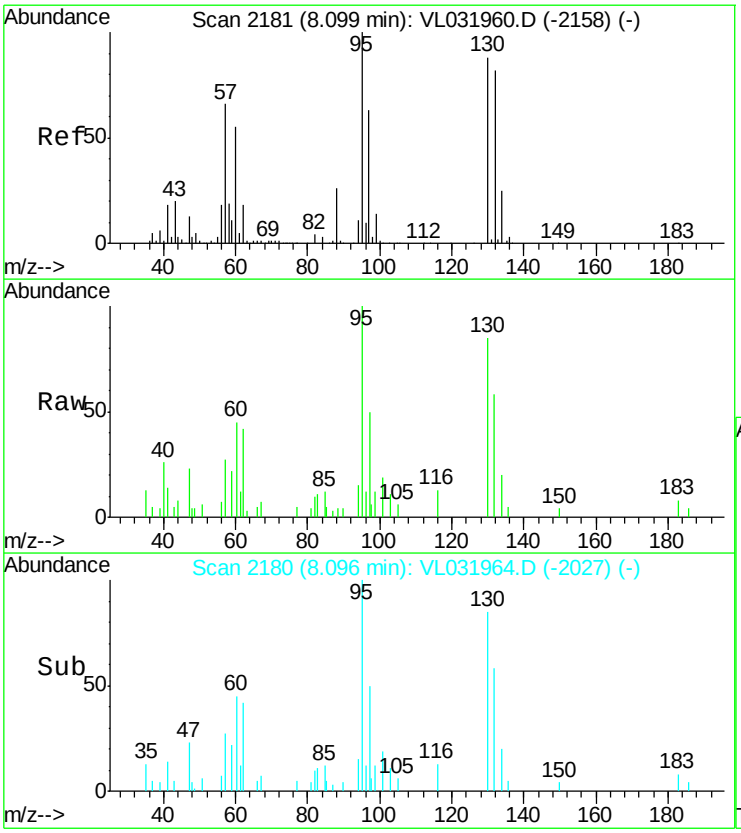
#37
1,2-Dichloroethane
Concen: 0.094 ppbv
RT: 6.54 min Scan# 1695
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 16686

Ion	Ratio	Lower	Upper
62	100		
98	6.8	4.0	6.0#

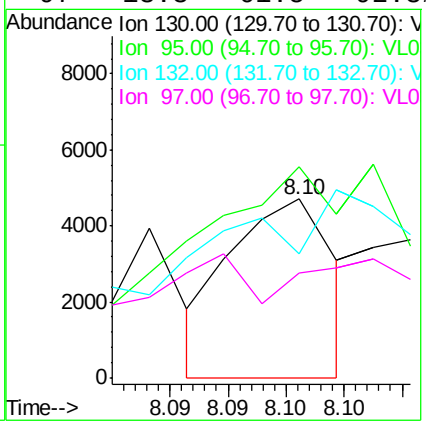


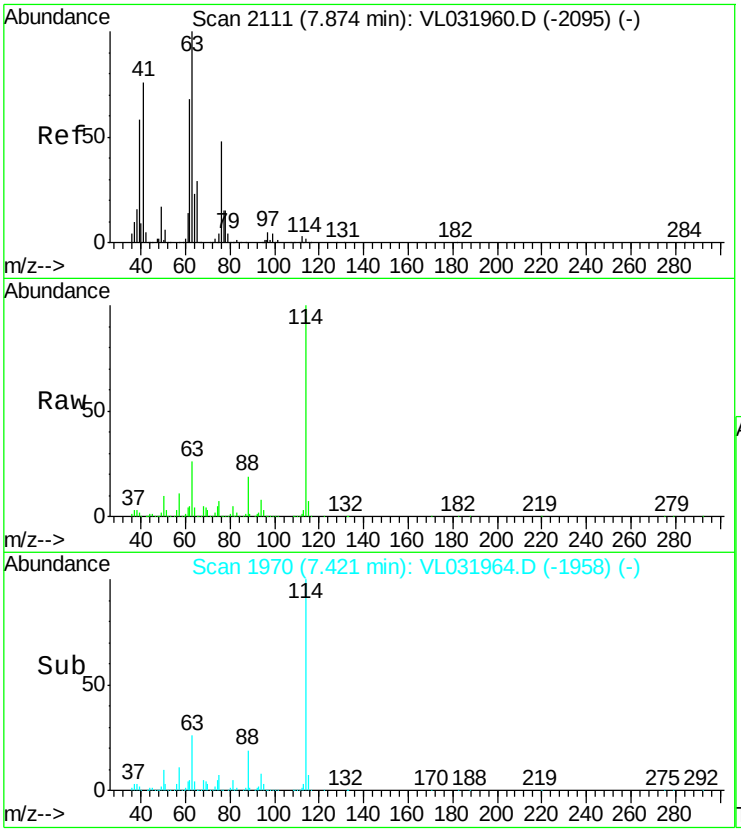


#38
Trichloroethene
Concen: 0.030 ppbv
RT: 8.10 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion:130 Resp: 2912

Ion	Ratio	Lower	Upper
130	100		
95	50.1	96.6	144.8#
132	2.7	79.1	118.7#
97	13.3	61.5	92.3#



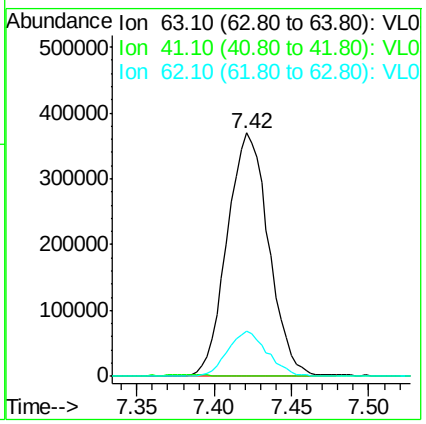


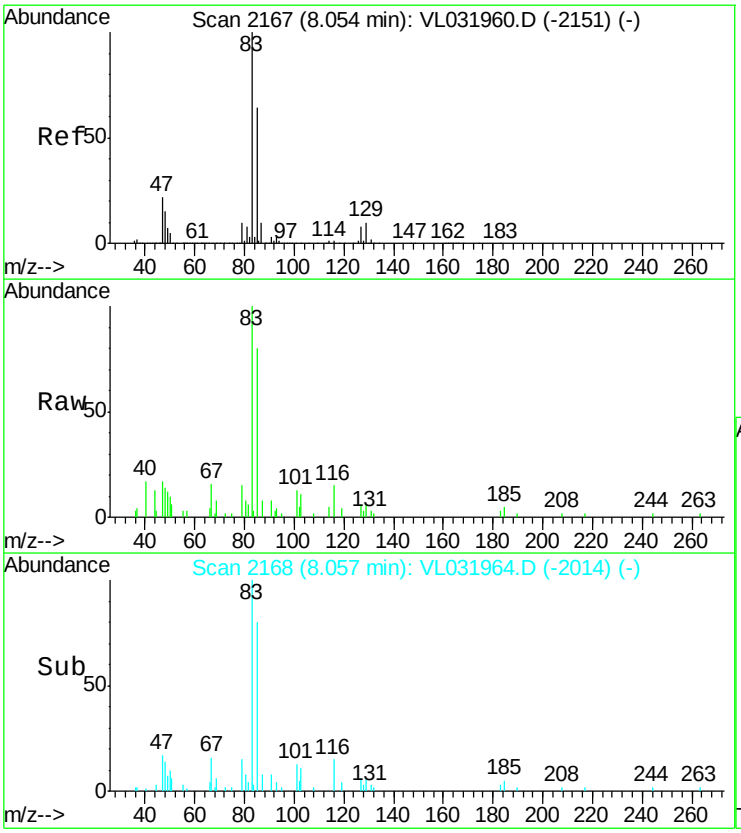
#39
1,2-Dichloropropane
Concen: 7.733 ppbv
RT: 7.42 min Scan# 1970
Delta R.T. -0.46 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 685125

Ion	Ratio	Lower	Upper
63	100		
41	0.0	65.8	98.6#
62	18.3	55.0	82.6#

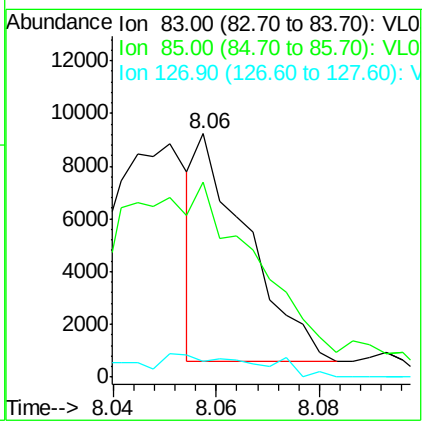


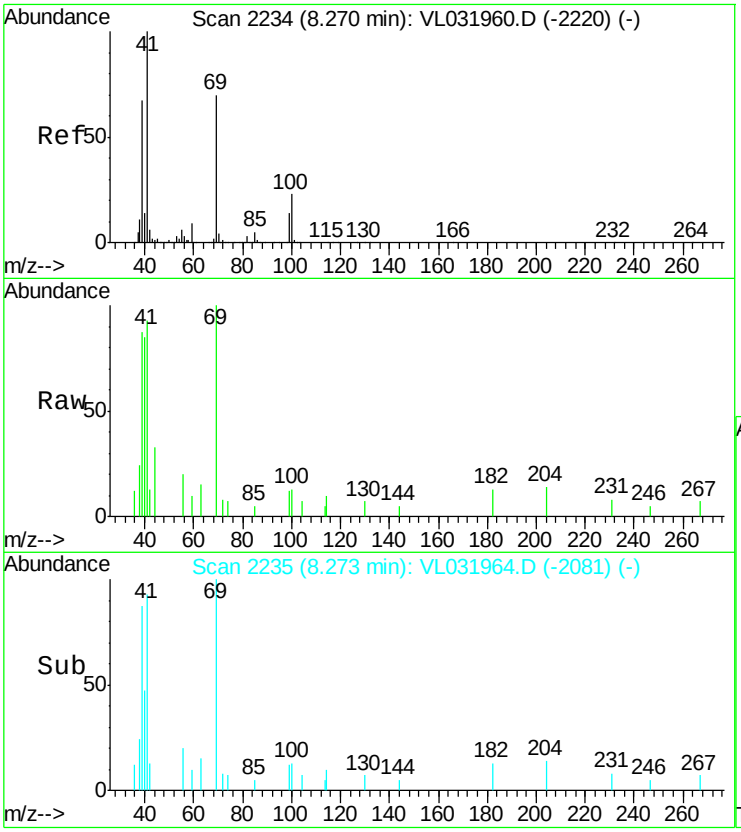


#42
Bromodichloromethane
Concen: 0.028 ppbv
RT: 8.06 min Scan# 2168
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 83 Resp: 6002

Ion	Ratio	Lower	Upper
83	100		
85	74.8	50.5	75.7
127	6.8	6.0	9.0



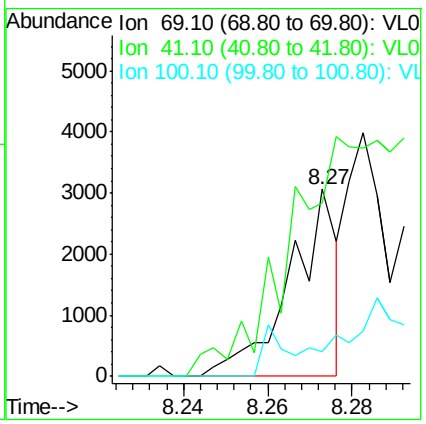


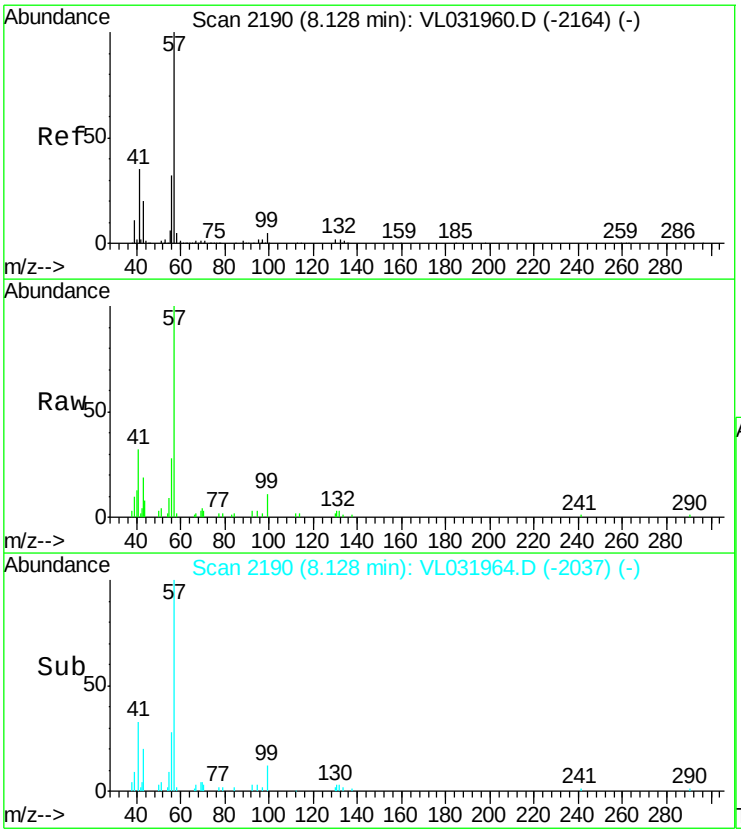
#43
Methyl Methacrylate
Concen: 0.028 ppbv
RT: 8.27 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 2346

Ion	Ratio	Lower	Upper
69	100		
41	413.6	117.8	176.8#
100	0.0	24.6	37.0#

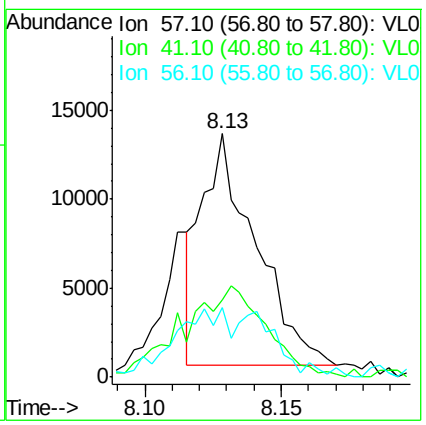


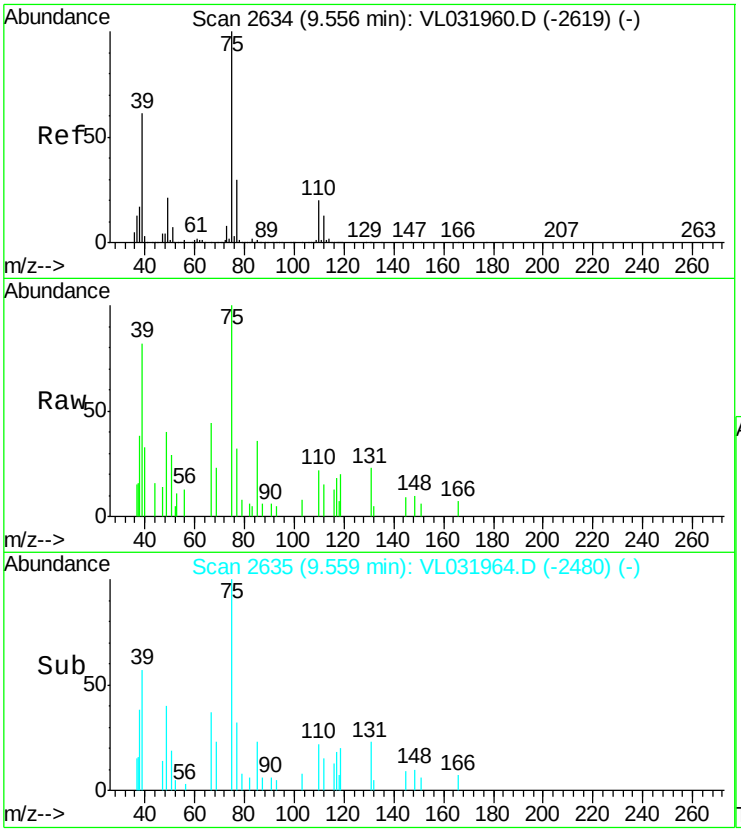


#44
2,2,4-Trimethylpentane
Concen: 0.044 ppbv
RT: 8.13 min Scan# 2190
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 57 Resp: 17863

Ion	Ratio	Lower	Upper
57	100		
41	61.3	27.0	40.6#
56	55.0	24.1	36.1#



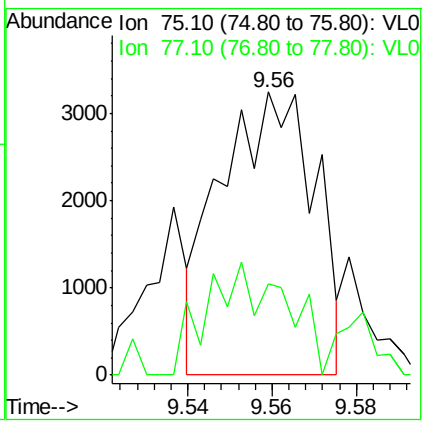


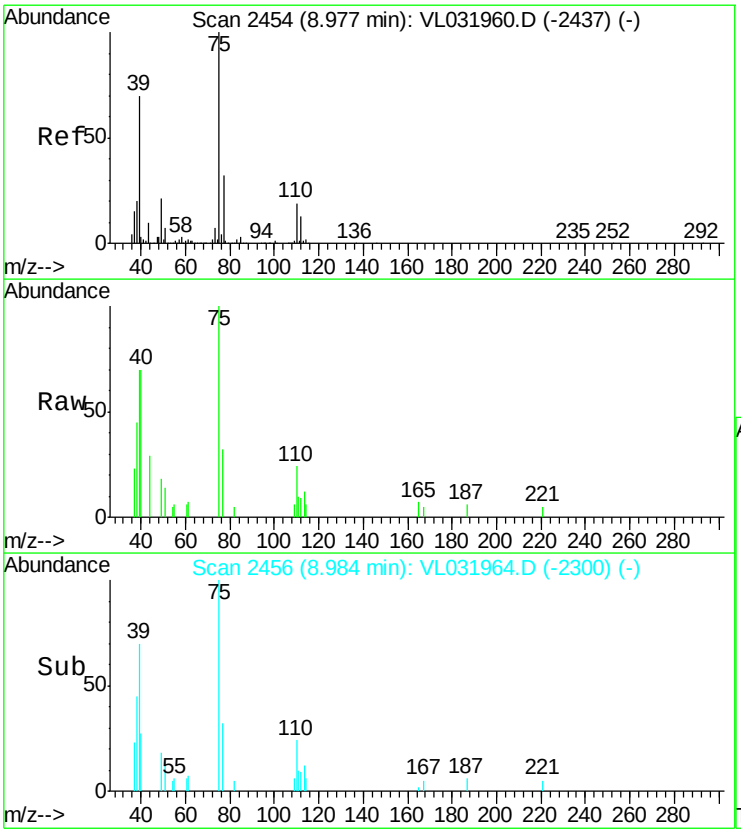
#45
t-1,3-Dichloropropene
Concen: 0.046 ppbv
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 5043

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.1	37.7

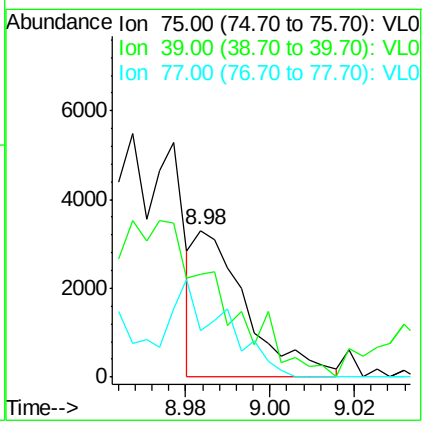


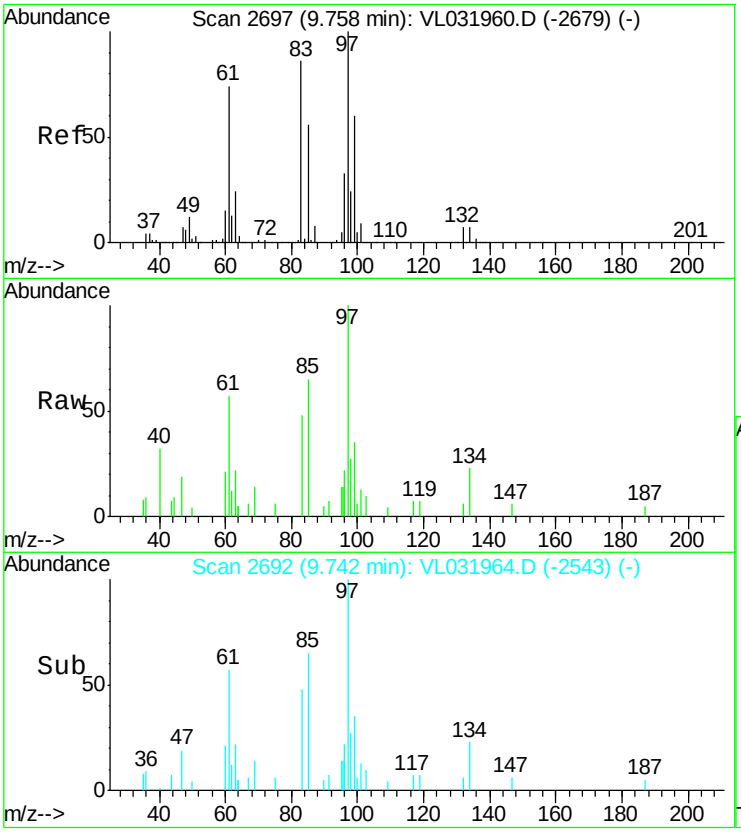


#46
cis-1,3-Dichloropropene
Concen: 0.020 ppbv
RT: 8.98 min Scan# 2456
Delta R.T. 0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 75 Resp: 2805

Ion	Ratio	Lower	Upper
75	100		
39	74.4	58.6	87.8
77	33.8	26.8	40.2



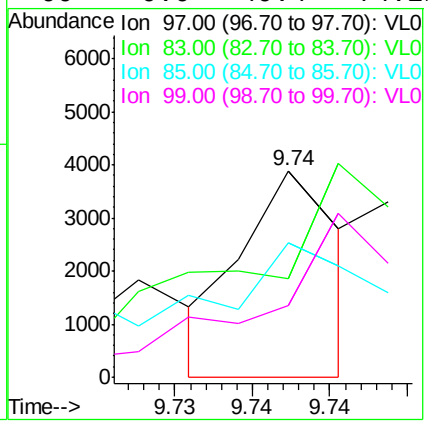


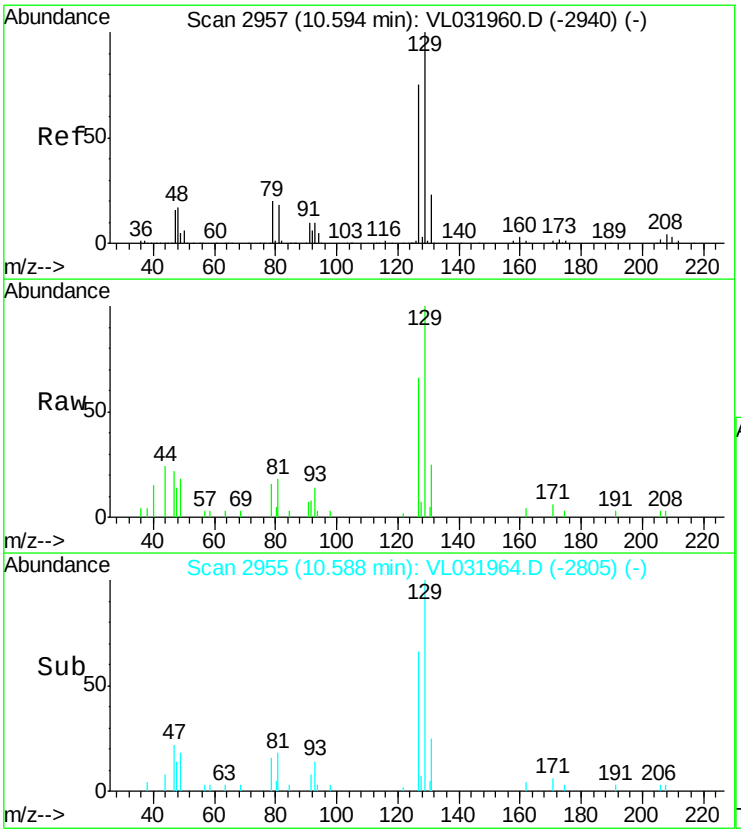
#47
1,1,2-Trichloroethane
Concen: 0.016 ppbv
RT: 9.74 min Scan# 2692
Delta R.T. -0.02 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 1714

Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.1	103.7#
85	38.6	43.7	65.5#
99	0.0	49.4	74.2#

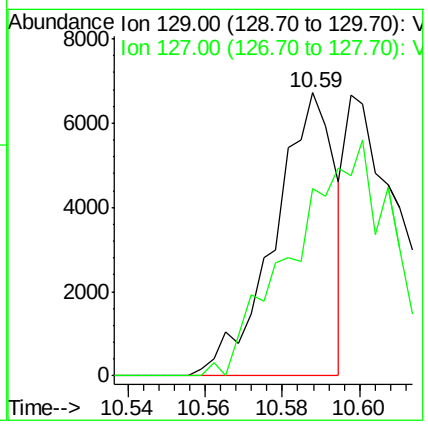


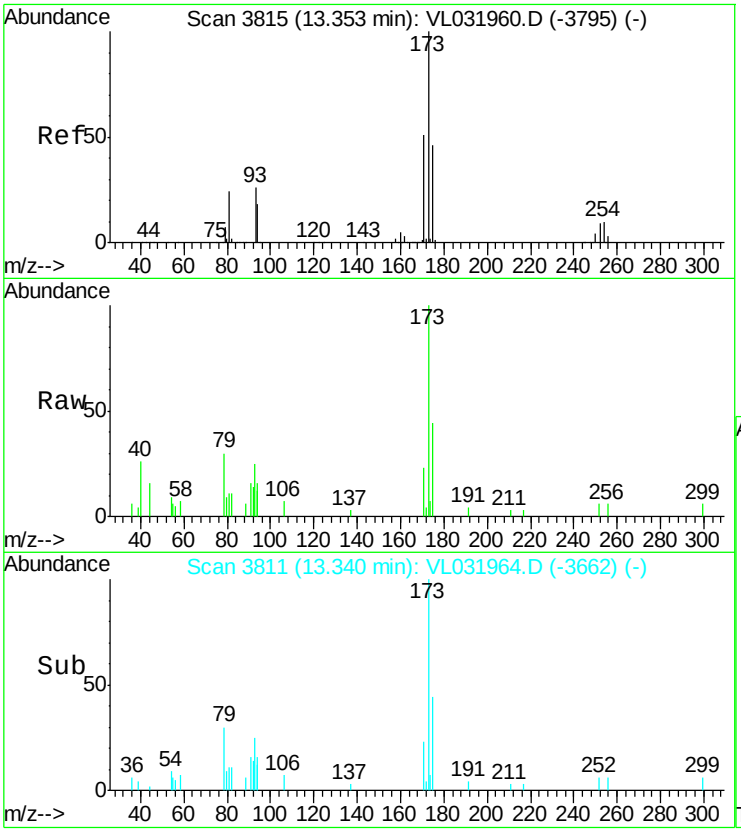


#48
Dibromochloromethane
Concen: 0.043 ppbv
RT: 10.59 min Scan# 2955
Delta R.T. -0.02 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion:129 Resp: 7314

Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.1	117.5#



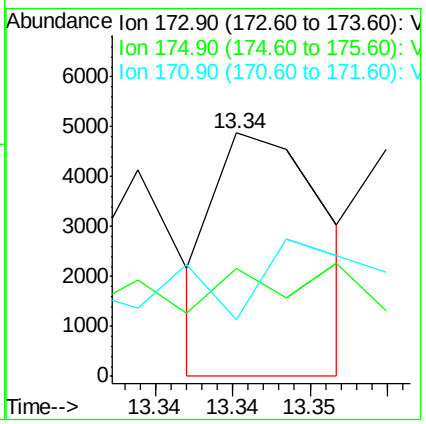


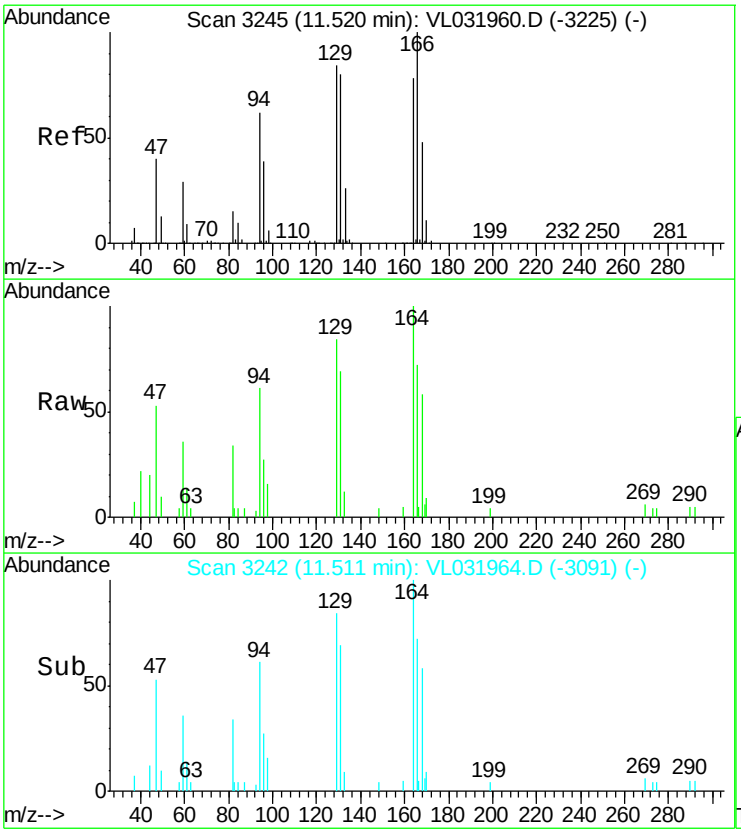
#49
Bromoform
Concen: 0.018 ppbv
RT: 13.34 min Scan# 3811
Delta R.T. -0.02 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 2406

Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.0	58.6#
171	0.0	41.4	62.0#

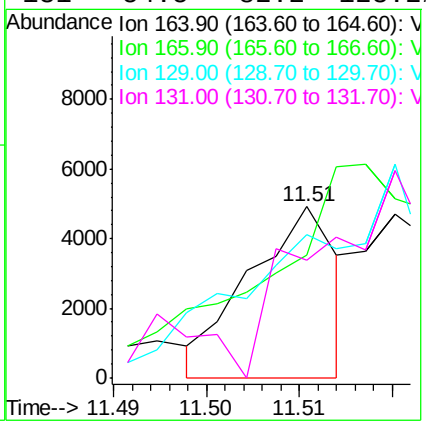


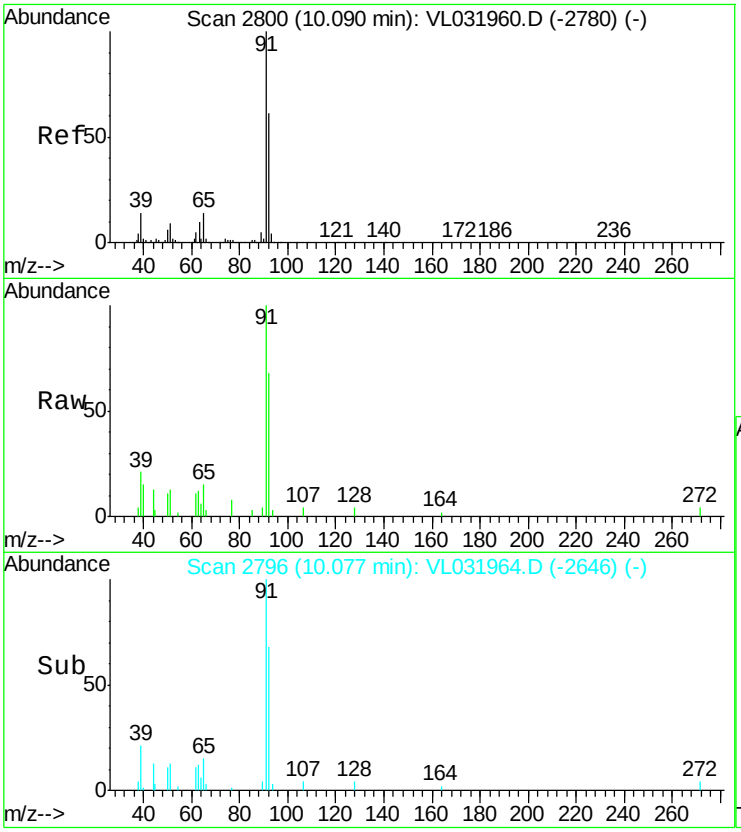


#52
Tetrachloroethene
Concen: 0.035 ppbv
RT: 11.51 min Scan# 3242
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion:164 Resp: 3215

Ion	Ratio	Lower	Upper
164	100		
166	44.4	98.2	147.4#
129	56.3	86.5	129.7#
131	54.5	82.2	123.2#



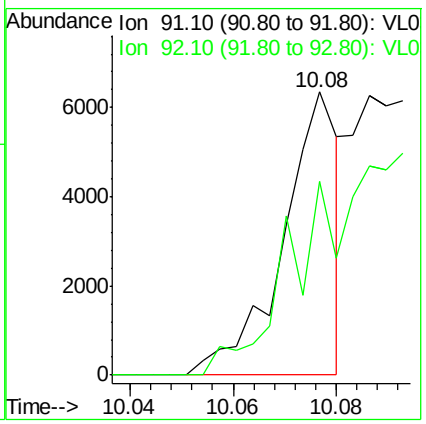


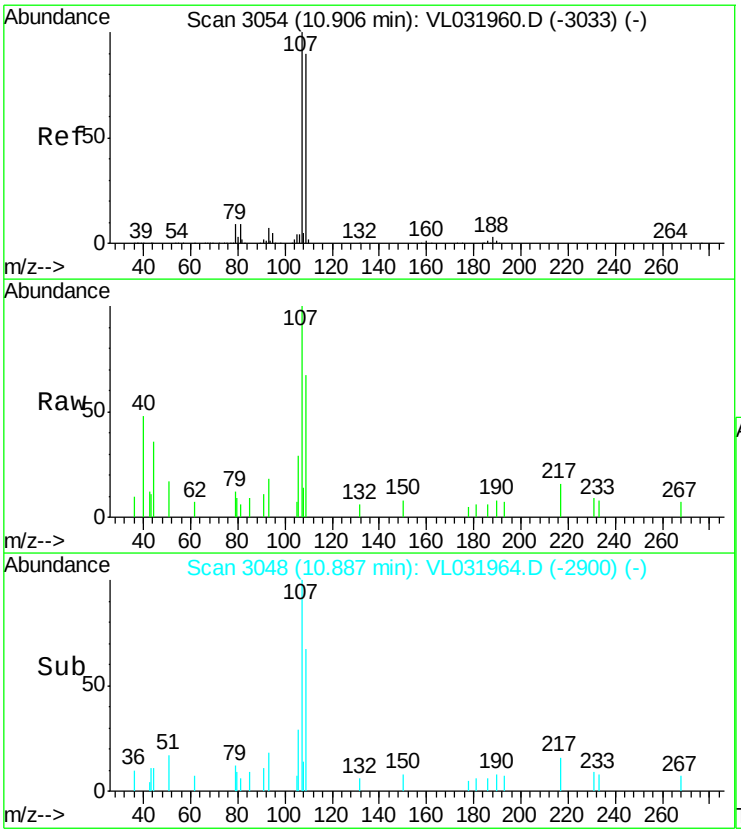
#53
Toluene
Concen: 0.018 ppbv
RT: 10.08 min Scan# 2796
Delta R.T. -0.02 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 4731

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.4	71.2#

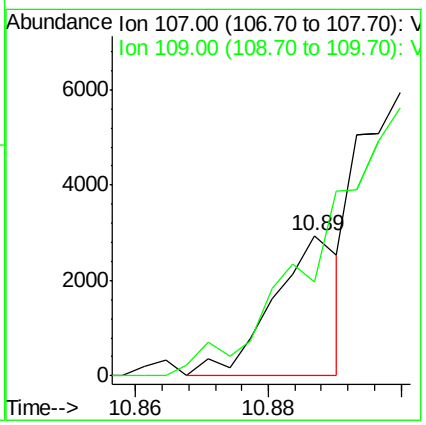


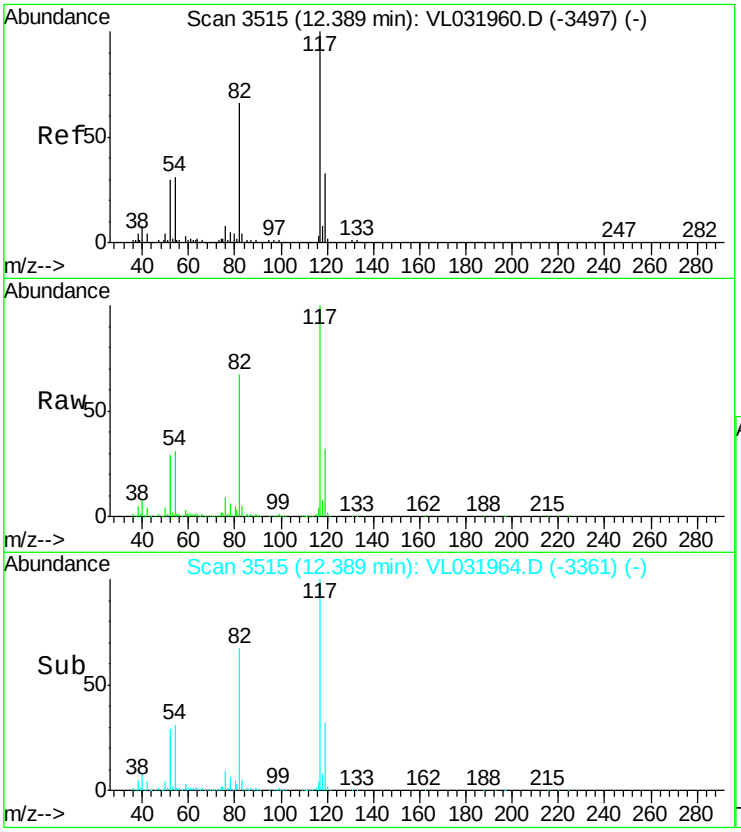


#54
1,2-Dibromoethane
Concen: 0.013 ppbv
RT: 10.89 min Scan# 3048
Delta R.T. -0.02 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion:107 Resp: 2033

Ion	Ratio	Lower	Upper
107	100		
109	58.9	74.6	112.0#



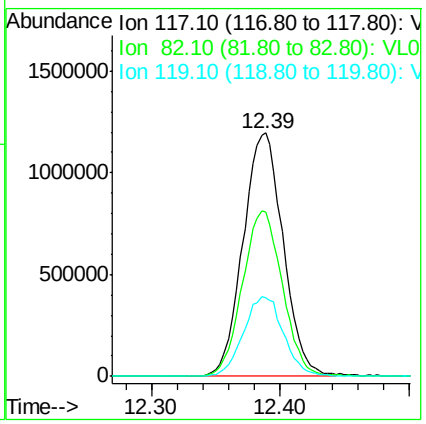


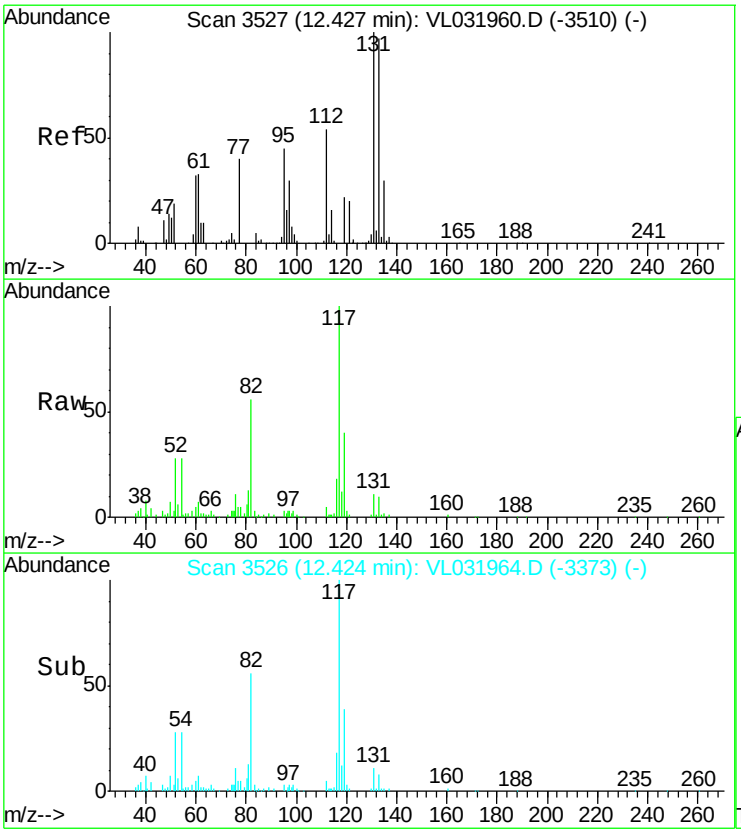
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.39 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2589676

Ion	Ratio	Lower	Upper
117	100		
82	67.9	54.6	81.8
119	33.0	26.0	39.0

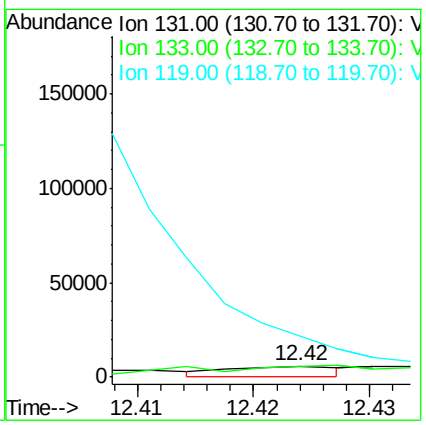


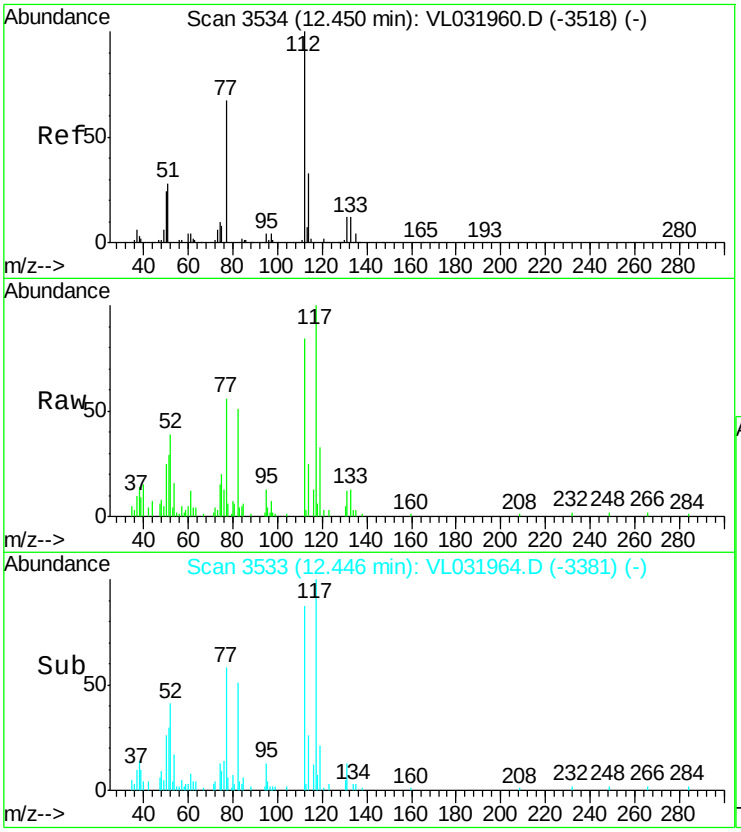


#56
1,1,1,2-Tetrachloroethane
Concen: 0.033 ppbv
RT: 12.42 min Scan# 3526
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion:131 Resp: 3993

Ion	Ratio	Lower	Upper
131	100		
133	293.1	76.1	114.1#
119	0.0	106.3	159.5#



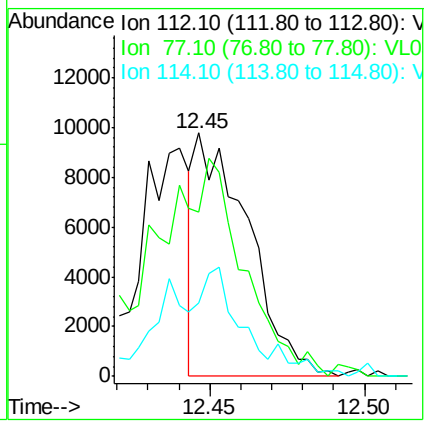


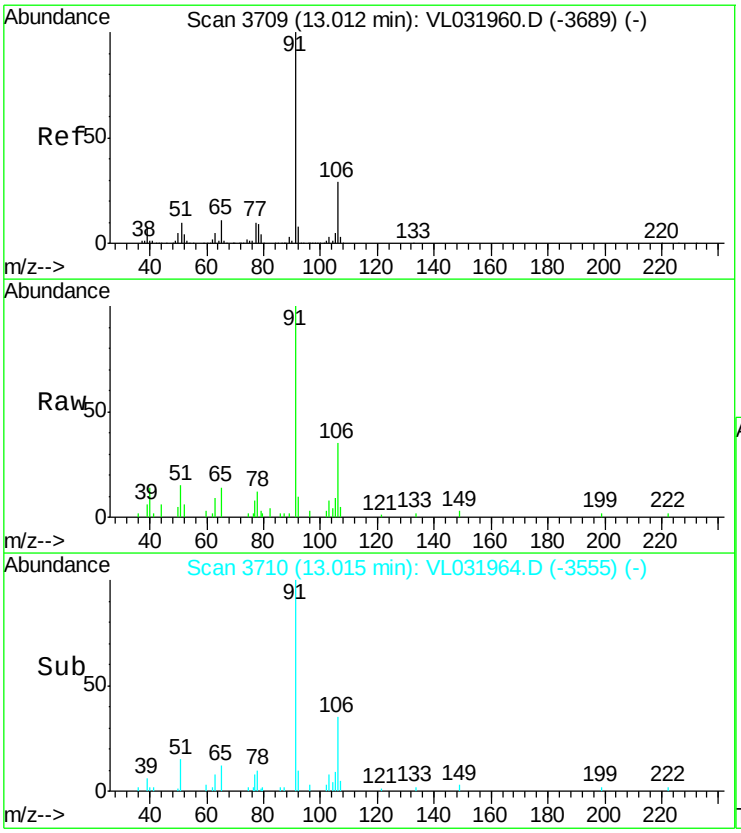
#57
Chlorobenzene
Concen: 0.053 ppbv
RT: 12.45 min Scan# 3533
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 11607

Ion	Ratio	Lower	Upper
112	100		
77	62.2	57.0	85.6
114	27.7	28.5	34.9#

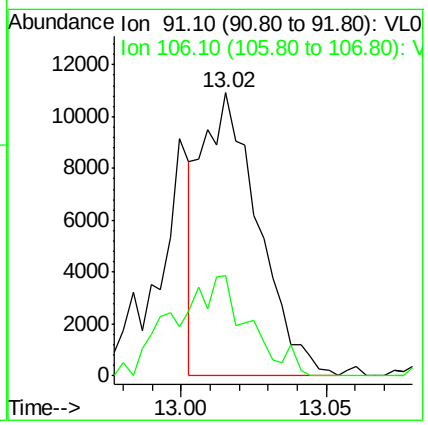


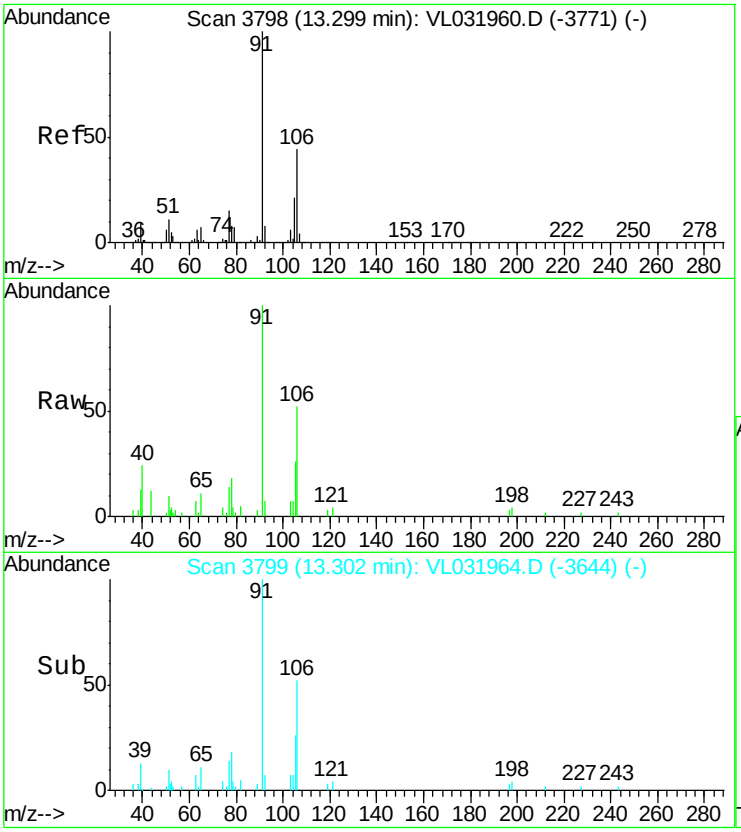


#58
Ethyl Benzene
Concen: 0.041 ppbv
RT: 13.02 min Scan# 3710
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 91 Resp: 14895

Ion	Ratio	Lower	Upper
91	100		
106	35.4	23.8	35.6



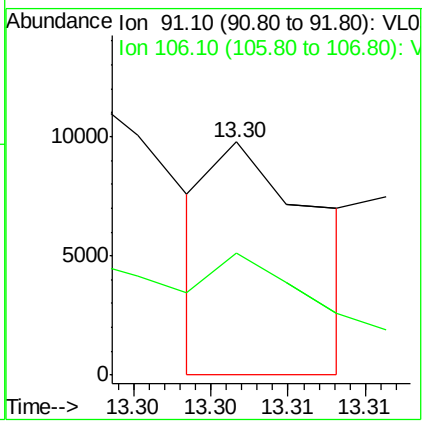


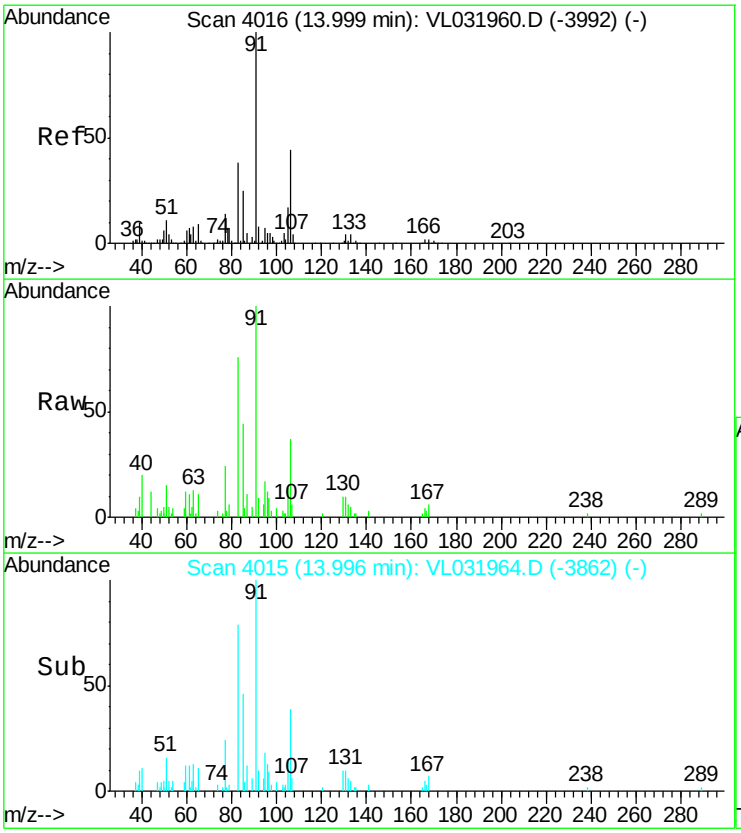
#59
m/p-Xylene
Concen: 0.015 ppbv
RT: 13.30 min Scan# 3799
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 4608

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.5	53.3#

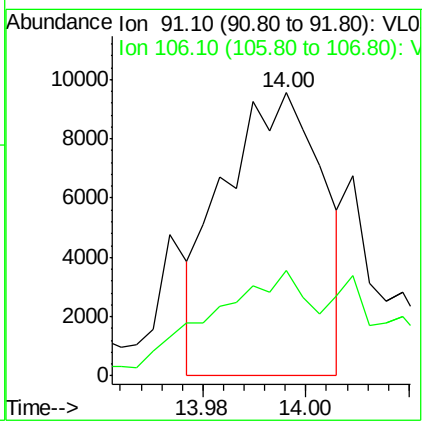


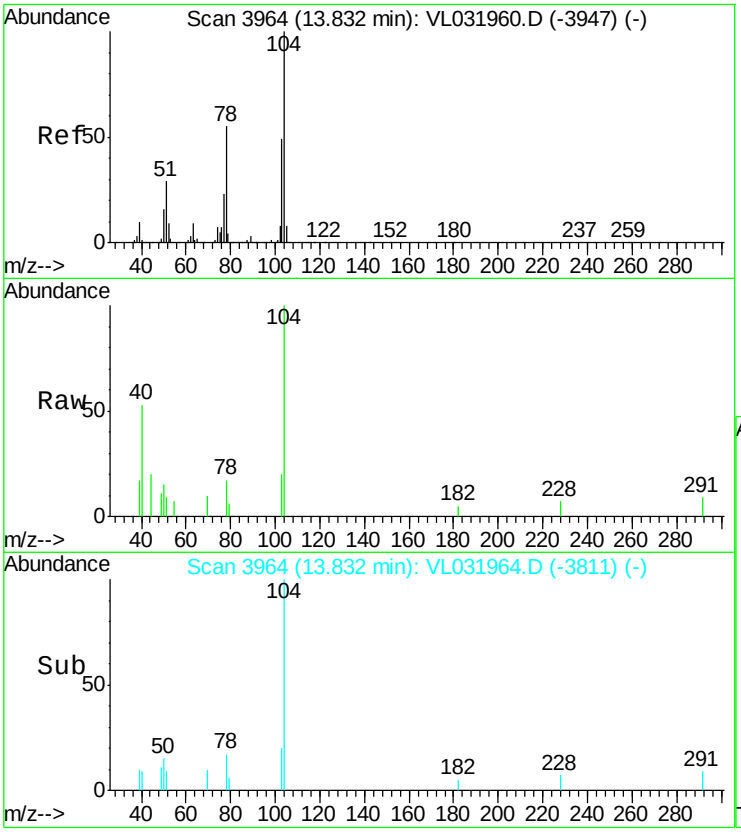


#60
o-Xylene
Concen: 0.041 ppbv
RT: 14.00 min Scan# 4015
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 91 Resp: 12774

Ion	Ratio	Lower	Upper
91	100		
106	62.8	21.3	63.9



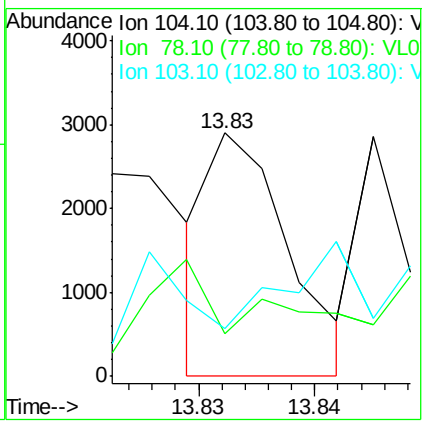


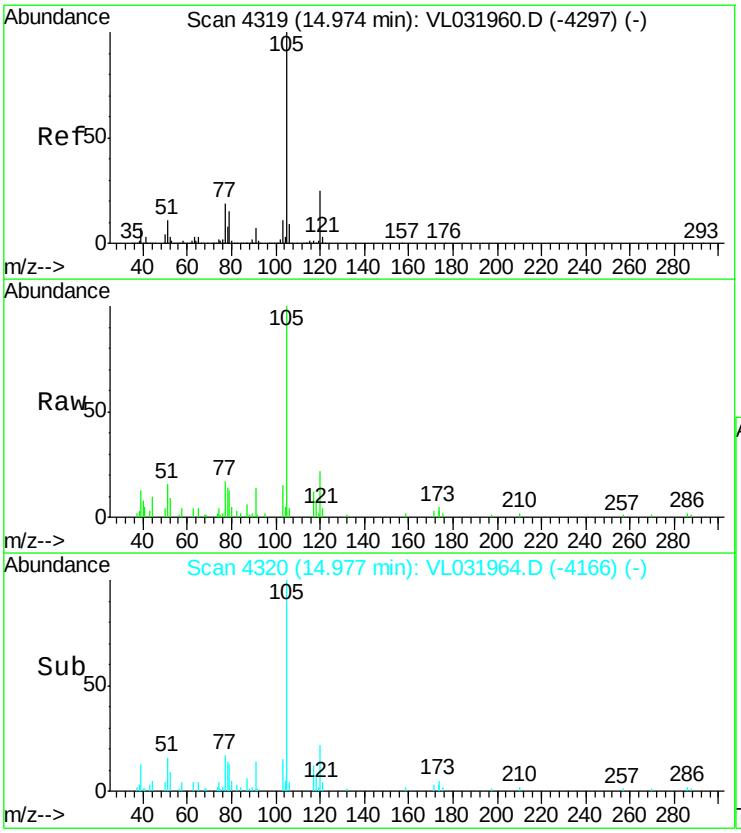
#61
Stvrene
Concen: 0.023 ppbv
RT: 13.83 min Scan# 3964
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 1380

Ion	Ratio	Lower	Upper
104	100		
78	145.5	44.4	66.6#
103	0.0	37.9	56.9#

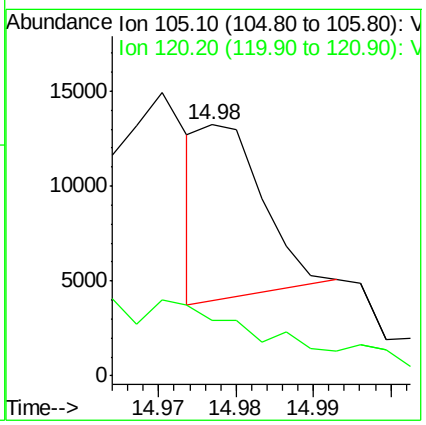


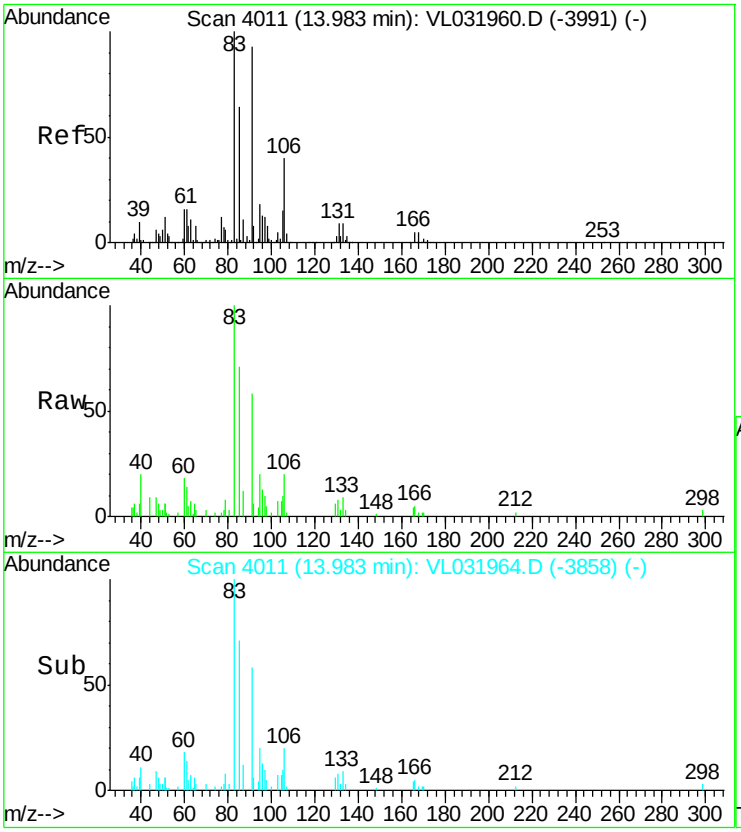


#62
Isopropylbenzene
Concen: 0.013 ppbv
RT: 14.98 min Scan# 4320
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion:105 Resp: 5069

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.4	29.2#



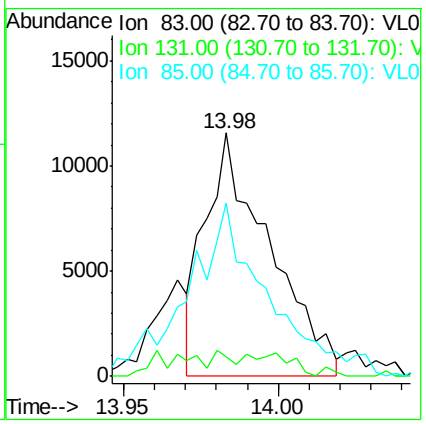


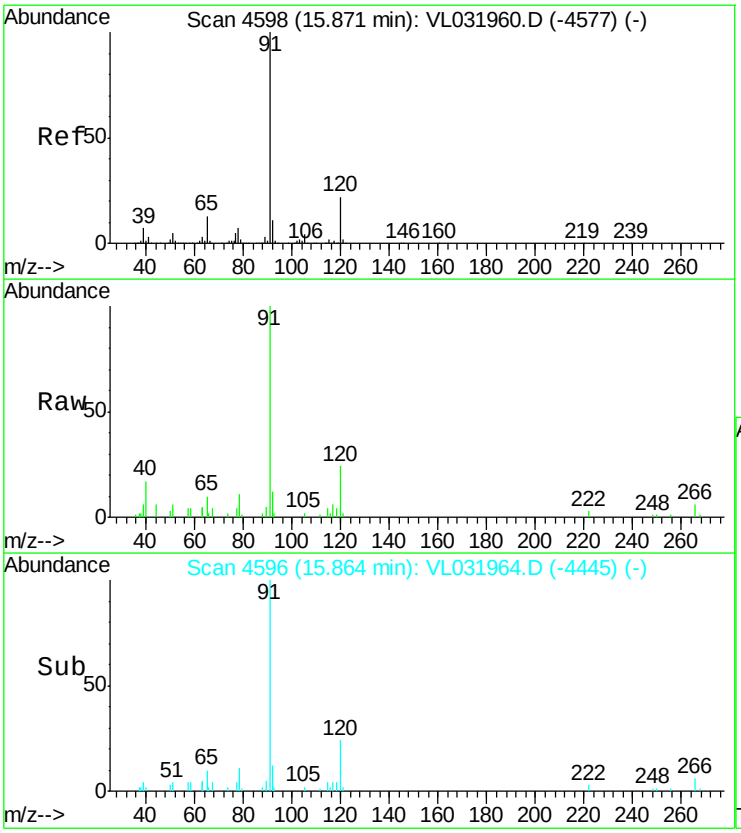
#63
1,1,2,2-Tetrachloroethane
Concen: 0.070 ppbv
RT: 13.98 min Scan# 4011
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 16764

Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.9	14.6
85	90.3	32.2	96.6

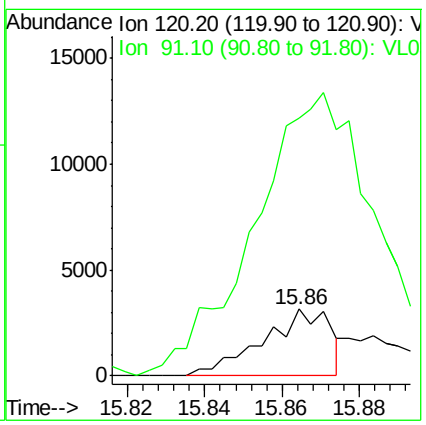


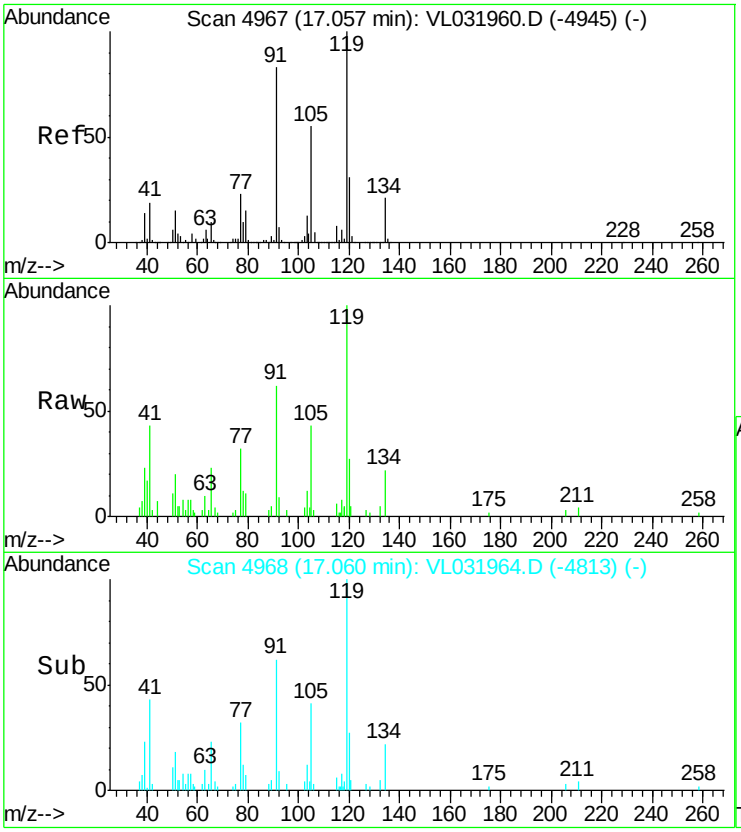


#64
n-propylbenzene
Concen: 0.039 ppbv
RT: 15.86 min Scan# 4596
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion:120 Resp: 3842

Ion	Ratio	Lower	Upper
120	100		
91	801.8	393.7	590.5#



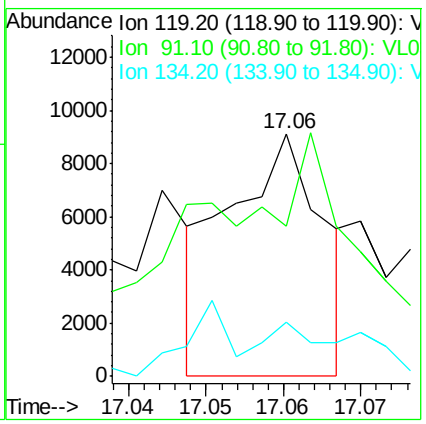


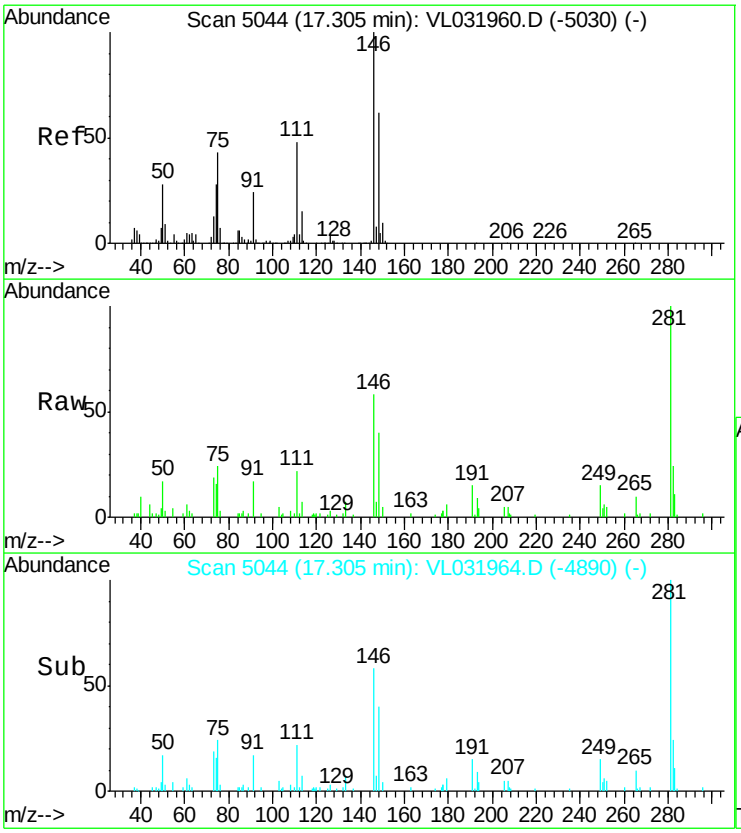
#65
tert-Butylbenzene
Concen: 0.022 ppbv
RT: 17.06 min Scan# 4968
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 7751

Ion	Ratio	Lower	Upper
119	100		
91	238.3	69.4	104.0#
134	0.0	15.4	23.2#

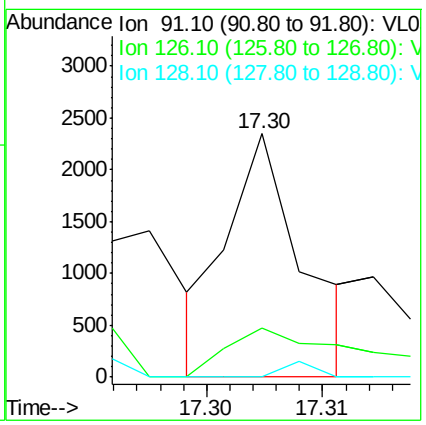


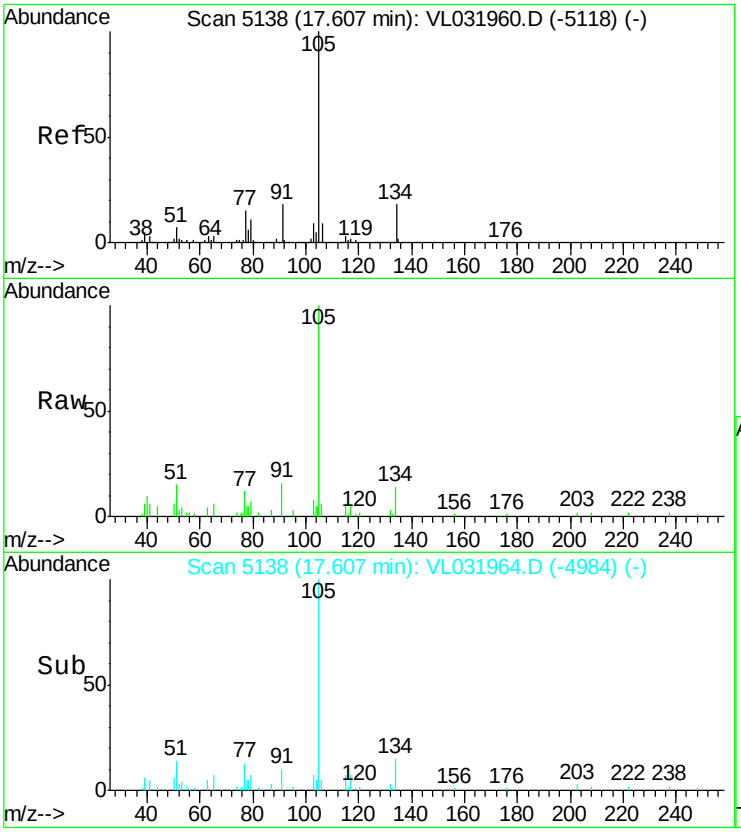


#66
Benzyl Chloride
Concen: 0.034 ppbv
RT: 17.30 min Scan# 5044
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 91 Resp: 1055

Ion	Ratio	Lower	Upper
91	100		
126	50.8	12.6	19.0#
128	0.0	4.0	6.0#



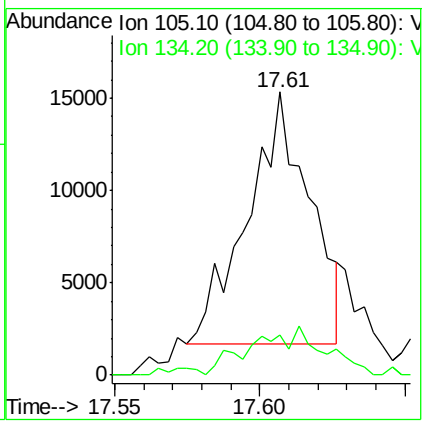


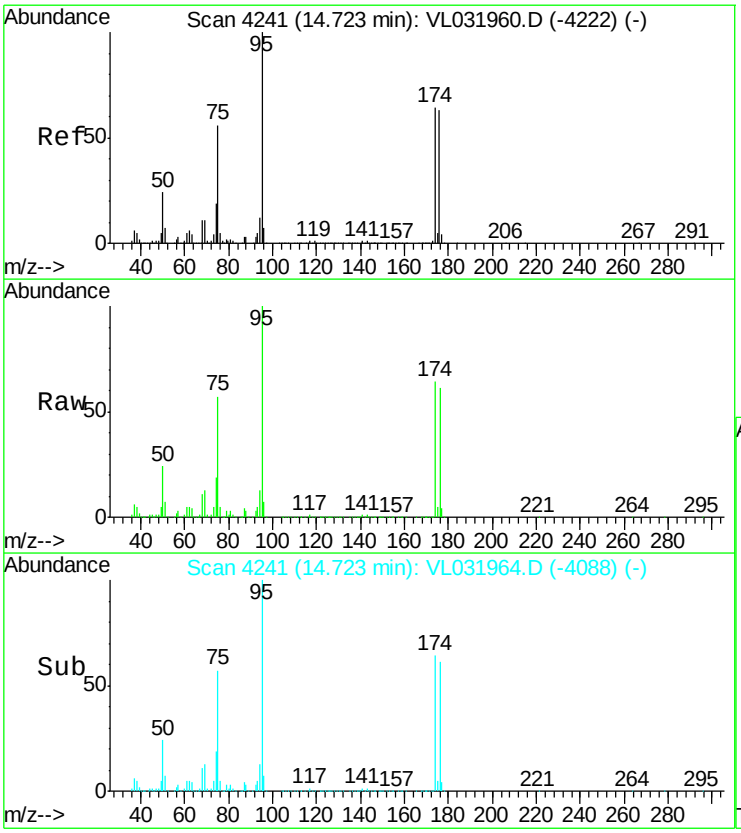
#67
sec-Butylbenzene
Concen: 0.041 ppbv
RT: 17.61 min Scan# 5138
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 20446

Ion	Ratio	Lower	Upper
105	100		
134	24.0	14.2	21.2#

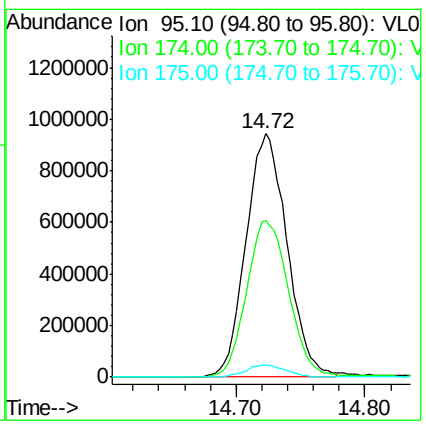


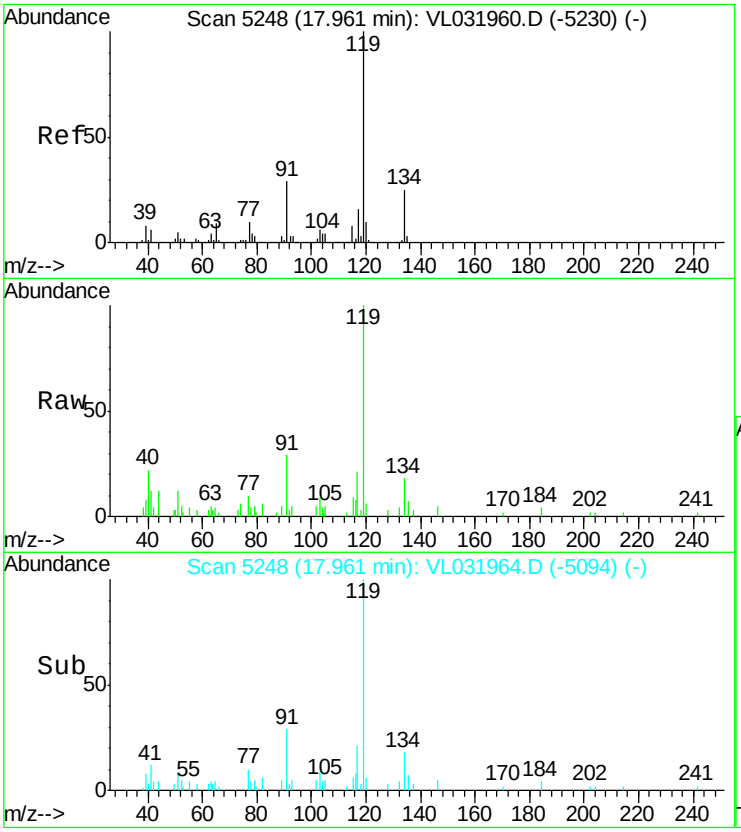


#68
1-Bromo-4-Fluorobenzene
Concen: 10.056 ppbv
RT: 14.72 min Scan# 4241
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 95 Resp: 2093885

Ion	Ratio	Lower	Upper
95	100		
174	67.1	52.3	78.5
175	4.9	3.9	5.9



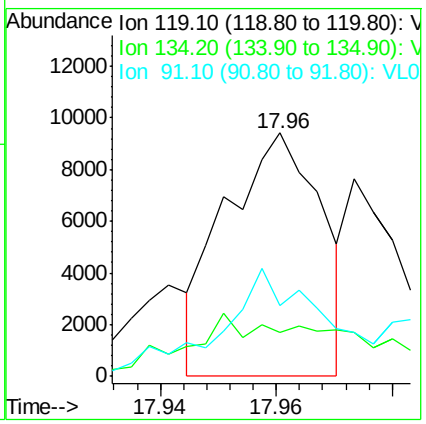


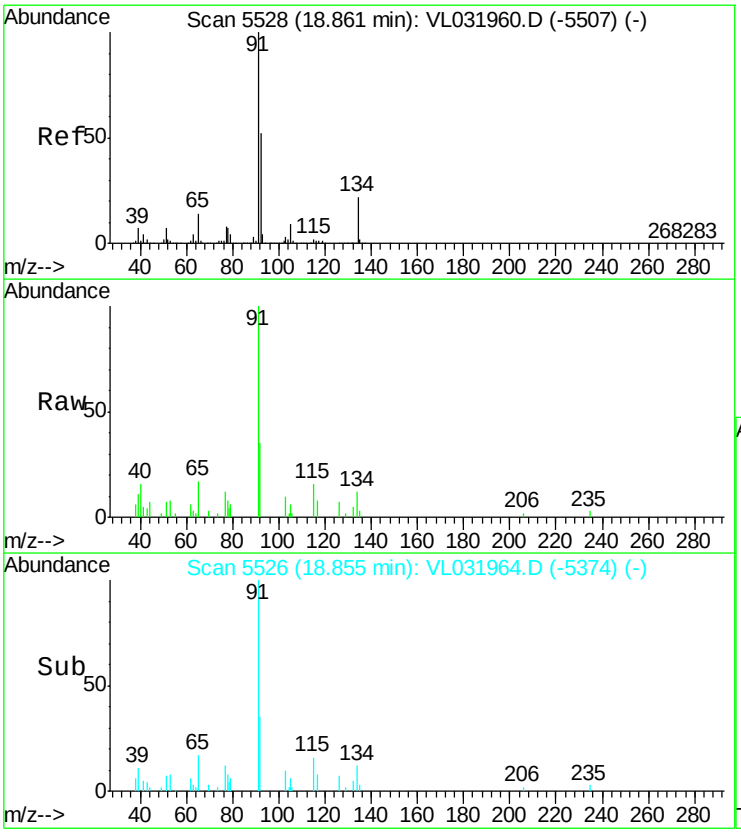
#69
p-Isopropyltoluene
Concen: 0.028 ppbv
RT: 17.96 min Scan# 5248
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 10886

Ion	Ratio	Lower	Upper
119	100		
134	44.6	20.0	30.0#
91	71.6	24.9	37.3#

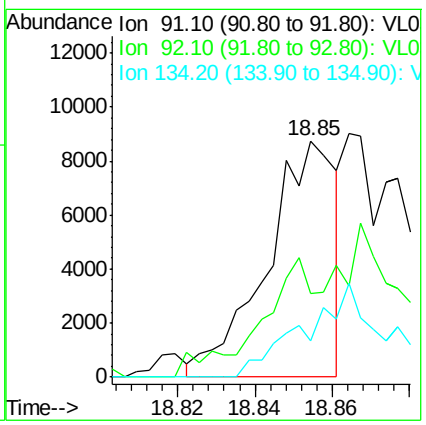


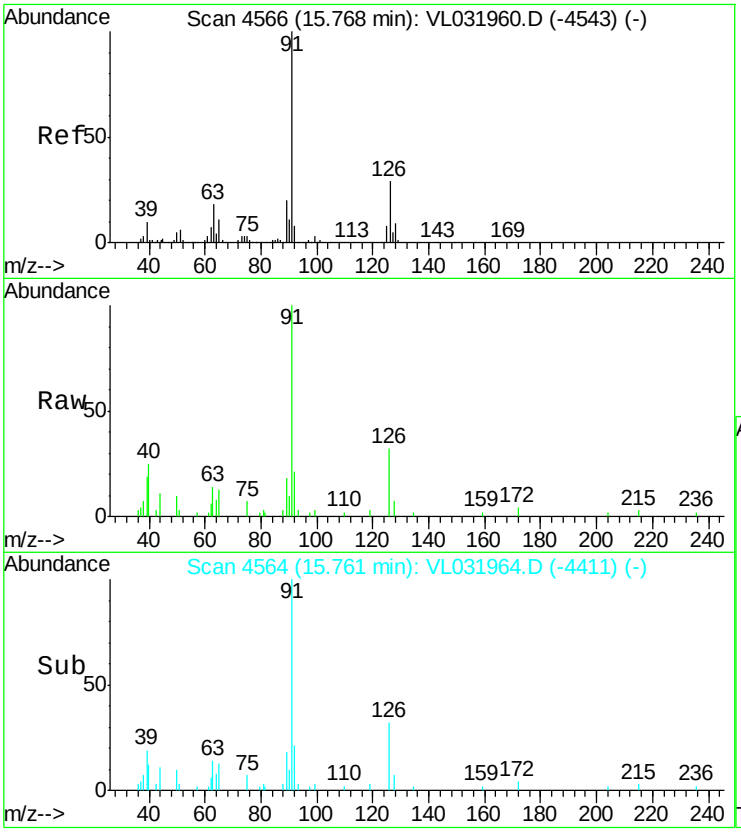


#70
n-Butylbenzene
Concen: 0.027 ppbv
RT: 18.85 min Scan# 5526
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion: 91 Resp: 10752

Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.2	63.4#
134	0.0	17.4	26.0#



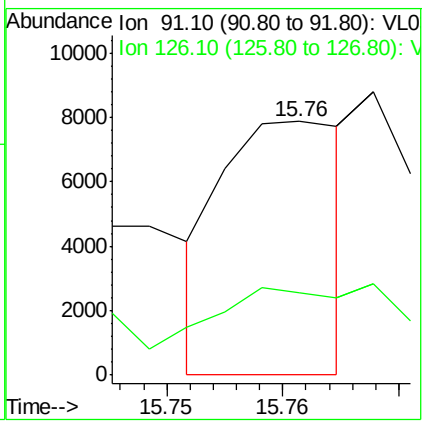


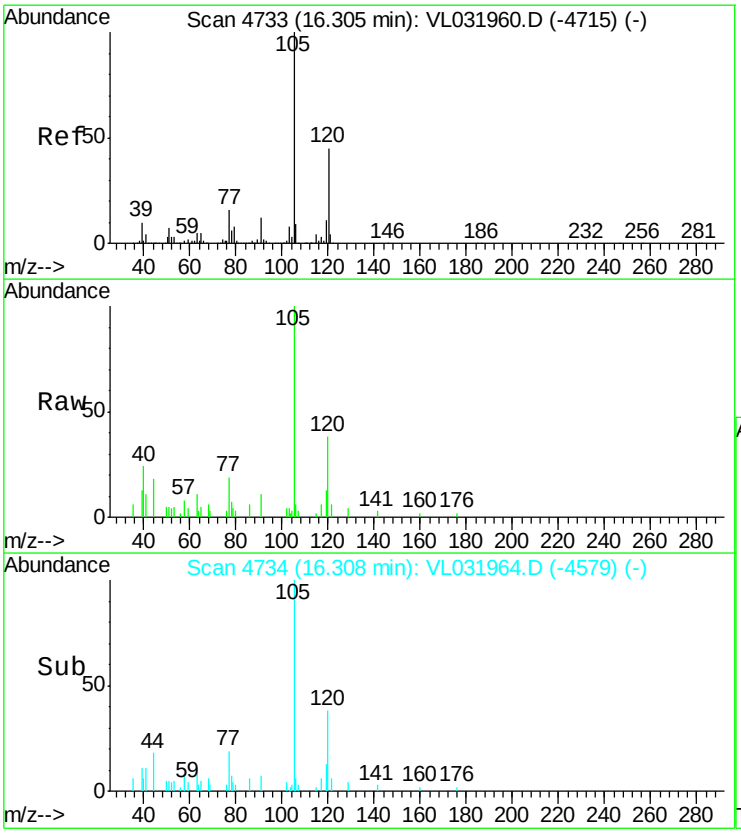
#71
2-Chlorotoluene
Concen: 0.020 ppbv
RT: 15.76 min Scan# 4564
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 5743

Ion	Ratio	Lower	Upper
91	100		
126	0.0	11.6	46.2#

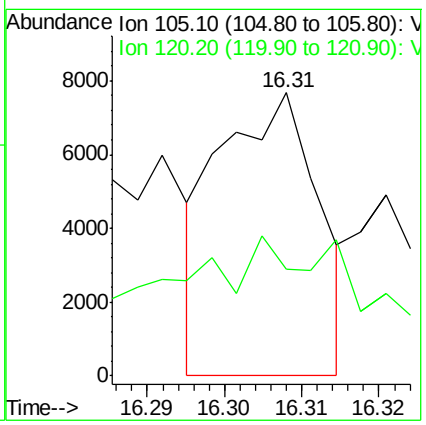


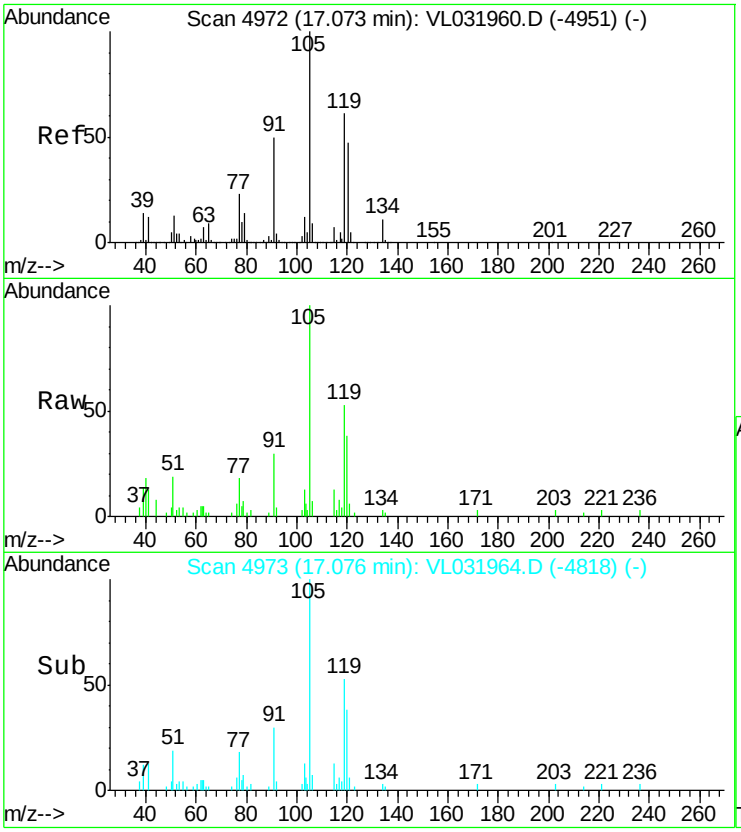


#73
1,3,5-Trimethylbenzene
Concen: 0.024 ppbv
RT: 16.31 min Scan# 4734
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion:105 Resp: 6880

Ion	Ratio	Lower	Upper
105	100		
120	7.2	35.3	52.9#



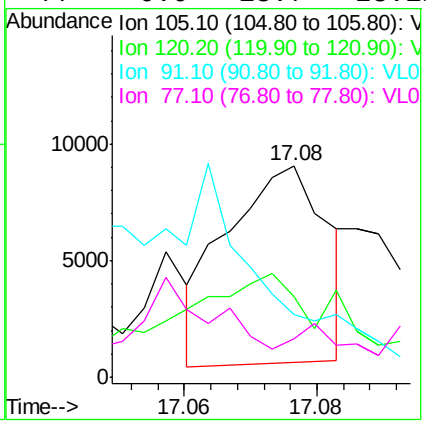


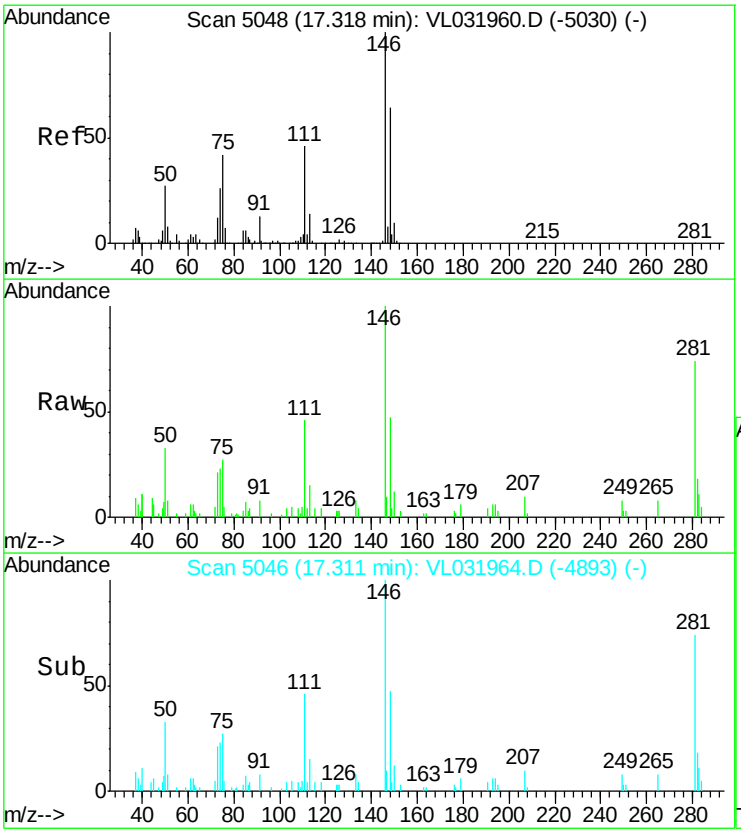
#74
1,2,4-Trimethylbenzene
Concen: 0.027 ppbv
RT: 17.08 min Scan# 4973
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 8929

Ion	Ratio	Lower	Upper
105	100		
120	10.6	37.0	55.4#
91	0.0	43.0	64.4#
77	0.0	18.7	28.1#

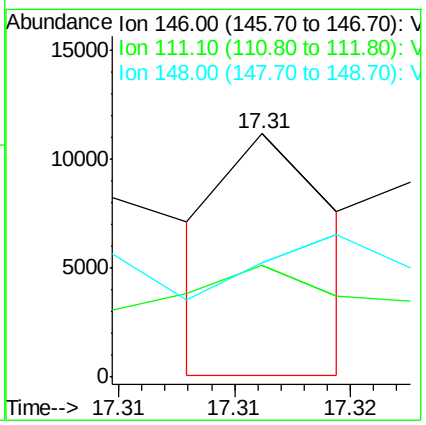


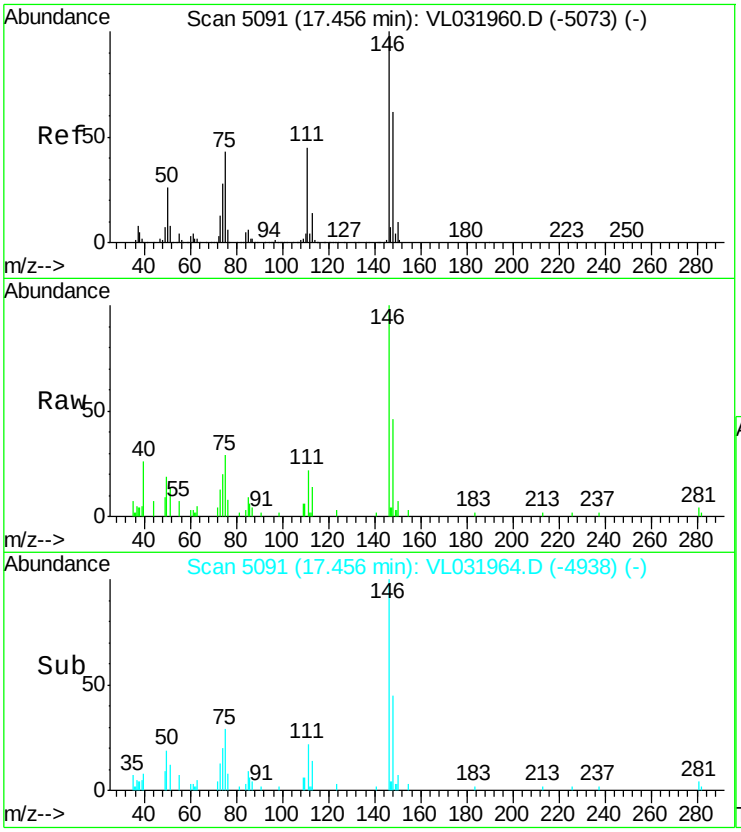


#75
1,3-Dichlorobenzene
Concen: 0.018 ppbv
RT: 17.31 min Scan# 5046
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion:146 Resp: 3600

Ion	Ratio	Lower	Upper
146	100		
111	322.0	23.8	71.4#
148	0.0	32.0	96.2#



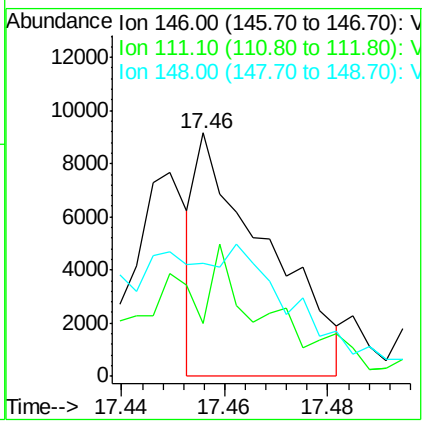


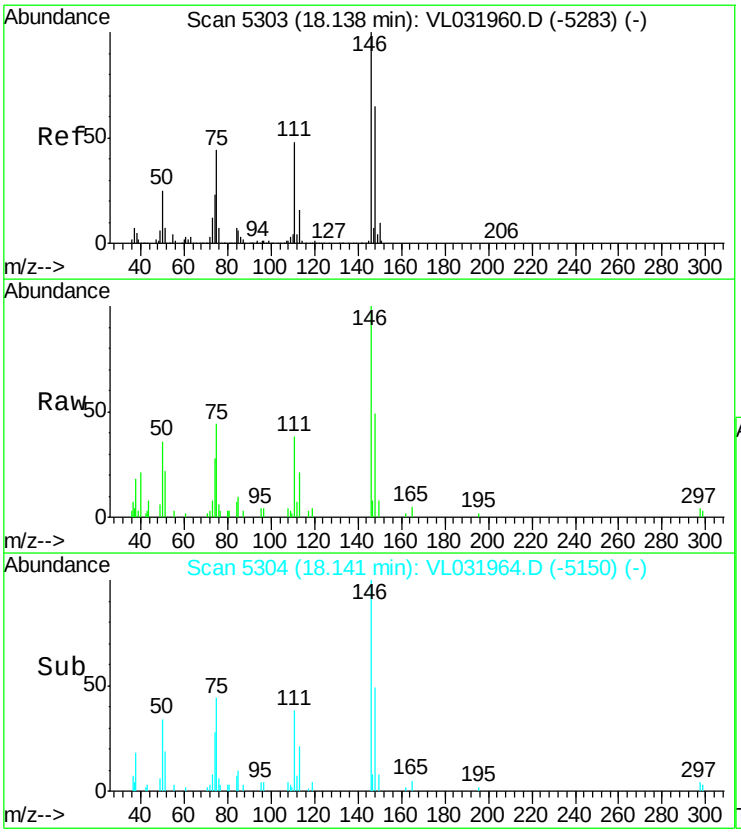
#76
1,4-Dichlorobenzene
Concen: 0.045 ppbv
RT: 17.46 min Scan# 5091
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 8647

Ion	Ratio	Lower	Upper
146	100		
111	103.7	22.9	68.7#
148	138.9	32.0	96.0#

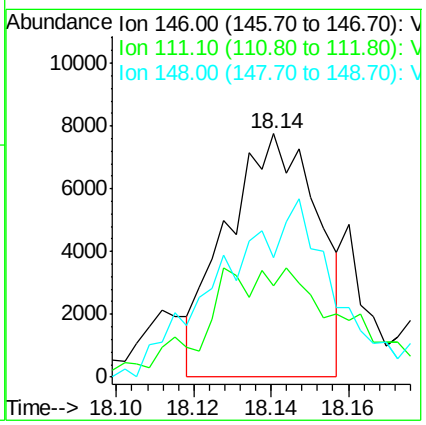


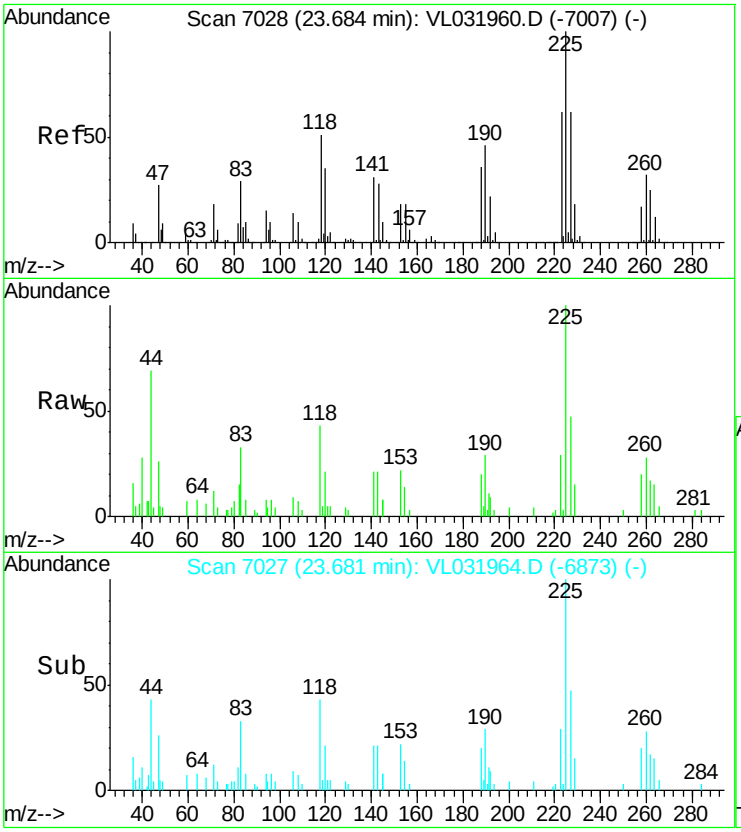


#77
1,2-Dichlorobenzene
Concen: 0.065 ppbv
RT: 18.14 min Scan# 5304
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion:146 Resp: 12705

Ion	Ratio	Lower	Upper
146	100		
111	69.4	24.3	72.8
148	93.8	31.8	95.3



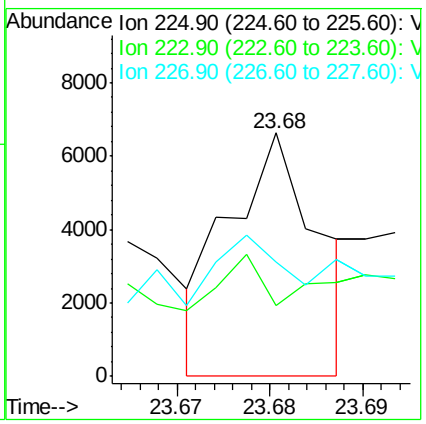


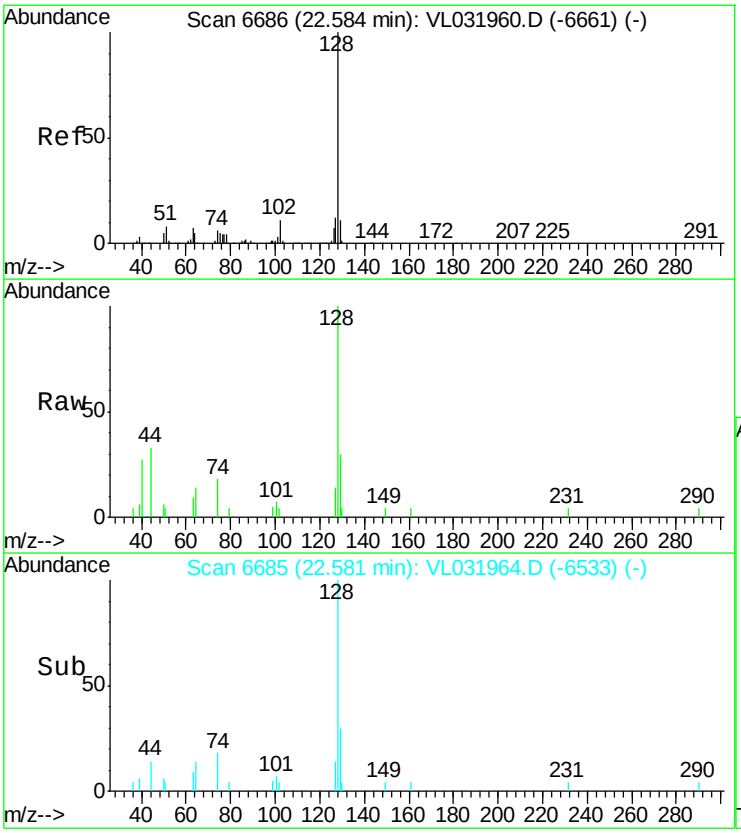
#78
Hexachloro-1,3-Butadiene
Concen: 0.059 ppbv
RT: 23.68 min Scan# 7027
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:225 Resp: 4443

Ion	Ratio	Lower	Upper
225	100		
223	167.7	50.6	76.0#
227	184.2	52.2	78.4#

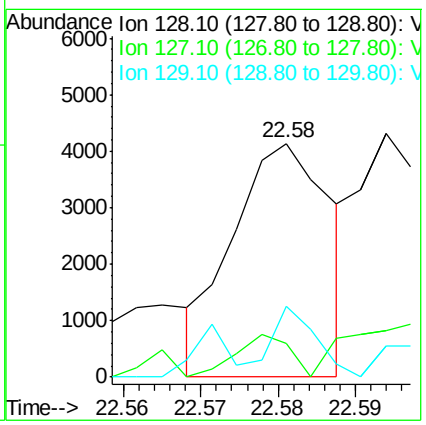


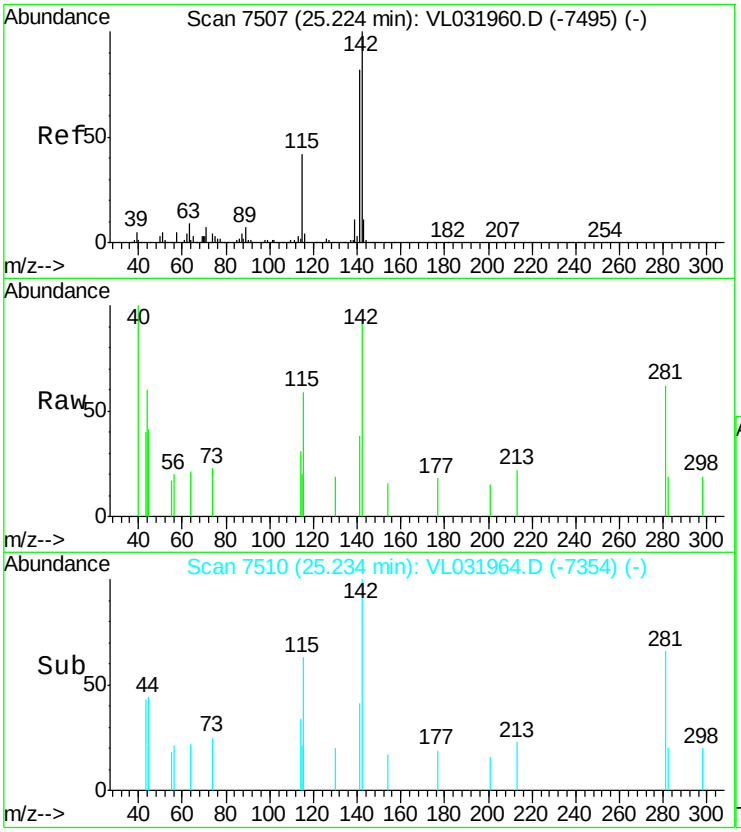


#79
Naphthalene
Concen: 0.020 ppbv
RT: 22.58 min Scan# 6685
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion:128 Resp: 3624

Ion	Ratio	Lower	Upper
128	100		
127	20.6	10.2	15.4#
129	34.7	9.4	14.2#



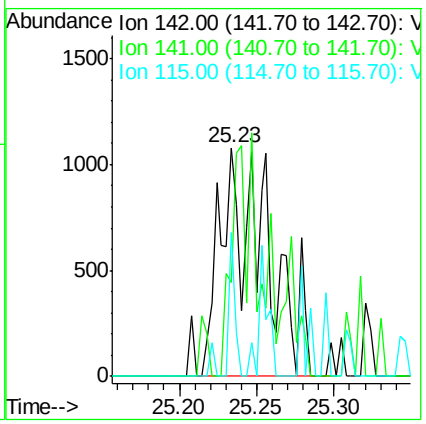


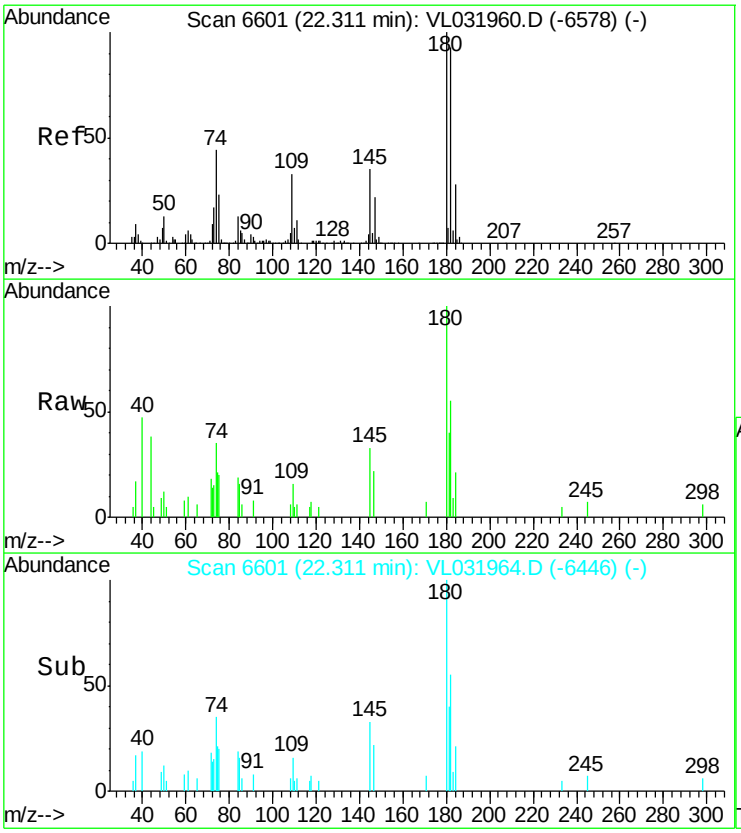
#80
Naphthalene,2-methyl-
Concen: 0.066 ppbv
RT: 25.23 min Scan# 7510
Delta R.T. 0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 2364

Ion	Ratio	Lower	Upper
142	100		
141	57.4	67.0	100.4#
115	19.6	35.3	52.9#





#81
1,2,4-Trichlorobenzene
Concen: 0.023 ppbv
RT: 22.31 min Scan# 6601
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion:180 Resp: 2300

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