Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL041918\
Data File : VL031880.D
Acq On : 19 Apr 2018 15:44
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BFB

Quant Time: Apr 20 07:58:50 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Apr 13 16:50:02 2018
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.89	49	1269969	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2943609	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	3650860	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.73	95	2381406	8.11	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 81.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.17	85	2227318	8.50	ppbv	100
3) Chlorodifluoromethane	3.10	51	1363039	9.23	ppbv	98
4) Chloromethane	3.26	50	709526	9.41	ppbv	96
5) Vinyl Chloride	3.39	62	751295	8.85	ppbv	99
6) Bromomethane	3.61	94	531226	9.52	ppbv	97
7) Chloroethane	3.70	64	314220	9.28	ppbv	91
8) Dichlorotetrafluoroethane	3.31	85	1873050	8.71	ppbv	99
9) Propene	3.13	41	540753	10.59	ppbv	99
10) Heptane	8.39	43	1751165	10.57	ppbv	98
11) Trichlorofluoromethane	4.11	101	2222434	8.65	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.67	101	1426410	8.55	ppbv	99
13) Ethanol	3.75	45	142928	8.25	ppbv	100
14) Bromoethene	3.89	108	619392	9.84	ppbv	97
15) Acetone	4.01	43	1663235	8.51	ppbv	98
16) 1,3-Butadiene	3.46	39	670660	9.27	ppbv	88
17) tert-Butyl alcohol	4.47	59	825124	10.22	ppbv	98
18) 1,1-Dichloroethene	4.46	96	658674	9.19	ppbv	96
19) Isopropyl Alcohol	4.13	45	1006328	9.22	ppbv	99
20) Methylene Chloride	4.52	84	606316	8.52	ppbv	95
21) Allyl Chloride	4.59	41	1057334	9.47	ppbv	100
22) trans-1,2-Dichloroethene	5.08	96	697254	9.38	ppbv	98
23) Vinyl Acetate	5.28	43	2013097	10.16	ppbv	99
24) 1,1-Dichloroethane	5.21	63	1801830	9.12	ppbv	100
25) Ethyl Acetate	5.89	43	2979381	9.77	ppbv	100
26) Hexane	5.91	57	1400993	9.86	ppbv	99
27) Carbon Disulfide	4.74	76	1819961	9.86	ppbv	99
28) Methyl tert-Butyl Ether	5.23	73	1791955	10.25	ppbv	99
29) Chloroform	5.98	83	2186912	9.08	ppbv	99
30) Cyclohexane	7.39	84	1081930	10.66	ppbv	99
31) cis-1,2-Dichloroethene	5.77	61	1304191	10.13	ppbv	95
32) 1,1,1-Trichloroethane	6.76	97	2159582	9.20	ppbv	99
34) 2-Butanone	5.45	43	2003152	9.81	ppbv	100
35) Carbon Tetrachloride	7.27	117	2244569	8.78	ppbv	100
36) Benzene	7.14	78	2663396	10.06	ppbv	97
37) 1,2-Dichloroethane	6.55	62	1761523	8.94	ppbv	98
38) Trichloroethene	8.11	130	1032957	9.61	ppbv	95
39) 1,2-Dichloropropane	7.88	63	979952	9.96	ppbv	96
40) 1,4-Dioxane	8.10	88	408872	10.23	ppbv	95
41) Tetrahydrofuran	6.28	42	1018015	10.77	ppbv	99
42) Bromodichloromethane	8.06	83	2277092	9.66	ppbv	99
43) Methyl Methacrylate	8.28	69	981835	10.54	ppbv	98

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL041918\
Data File : VL031880.D
Acq On : 19 Apr 2018 15:44
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BFB

Quant Time: Apr 20 07:58:50 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Apr 13 16:50:02 2018
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.13	57	4501454	9.87	ppbv		99
45) t-1,3-Dichloropropene	9.56	75	1437554	11.90	ppbv		99
46) cis-1,3-Dichloropropene	8.98	75	1707018	11.05	ppbv		97
47) 1,1,2-Trichloroethane	9.76	97	1141173	9.76	ppbv		98
48) Dibromochloromethane	10.60	129	1940633	10.27	ppbv		99
49) Bromoform	13.36	173	1500472	10.31	ppbv		99
50) 4-Methyl-2-Pentanone	9.01	43	2372074	10.15	ppbv		99
51) 2-Hexanone	10.42	43	2294214	11.23	ppbv	#	100
52) Tetrachloroethene	11.52	164	994920	9.64	ppbv		98
53) Toluene	10.10	91	3203807	10.85	ppbv		100
54) 1,2-Dibromoethane	10.91	107	1717397	10.11	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.43	131	1298983	7.56	ppbv		99
57) Chlorobenzene	12.45	112	2361629	7.63	ppbv		99
58) Ethyl Benzene	13.02	91	4350208	8.58	ppbv		99
59) m/p-Xylene	13.30	91	3985458	9.05	ppbv	#	46
60) o-Xylene	14.00	91	3621818	8.23	ppbv		99
61) Styrene	13.84	104	866526	10.34	ppbv		99
62) Isopropylbenzene	14.98	105	4539156	8.03	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.99	83	2437522	7.20	ppbv		100
64) n-propylbenzene	15.87	120	1128276	8.21	ppbv		100
65) tert-Butylbenzene	17.06	119	3910677	8.04	ppbv		100
66) Benzyl Chloride	17.31	91	399008	9.11	ppbv		98
67) sec-Butylbenzene	17.61	105	5579120	7.97	ppbv		100
69) p-Isopropyltoluene	17.96	119	4551437	8.38	ppbv		100
70) n-Butylbenzene	18.86	91	4649515	8.23	ppbv		100
71) 2-Chlorotoluene	15.77	91	3400073	8.32	ppbv		100
72) 4-Ethyltoluene	16.15	105	3759693	8.36	ppbv		100
73) 1,3,5-Trimethylbenzene	16.31	105	3385946	8.23	ppbv		99
74) 1,2,4-Trimethylbenzene	17.08	105	3571233	7.77	ppbv		99
75) 1,3-Dichlorobenzene	17.31	146	2195008	7.79	ppbv		99
76) 1,4-Dichlorobenzene	17.46	146	2202949	8.06	ppbv		99
77) 1,2-Dichlorobenzene	18.14	146	2176784	7.84	ppbv		100
78) Hexachloro-1,3-Butadiene	23.68	225	1209865	11.35	ppbv		99
79) Naphthalene	22.59	128	2584693	9.99	ppbv		98
80) Naphthalene,2-methyl-	25.23	142	713454	14.13	ppbv		98
81) 1,2,4-Trichlorobenzene	22.31	180	1330563	9.27	ppbv		99

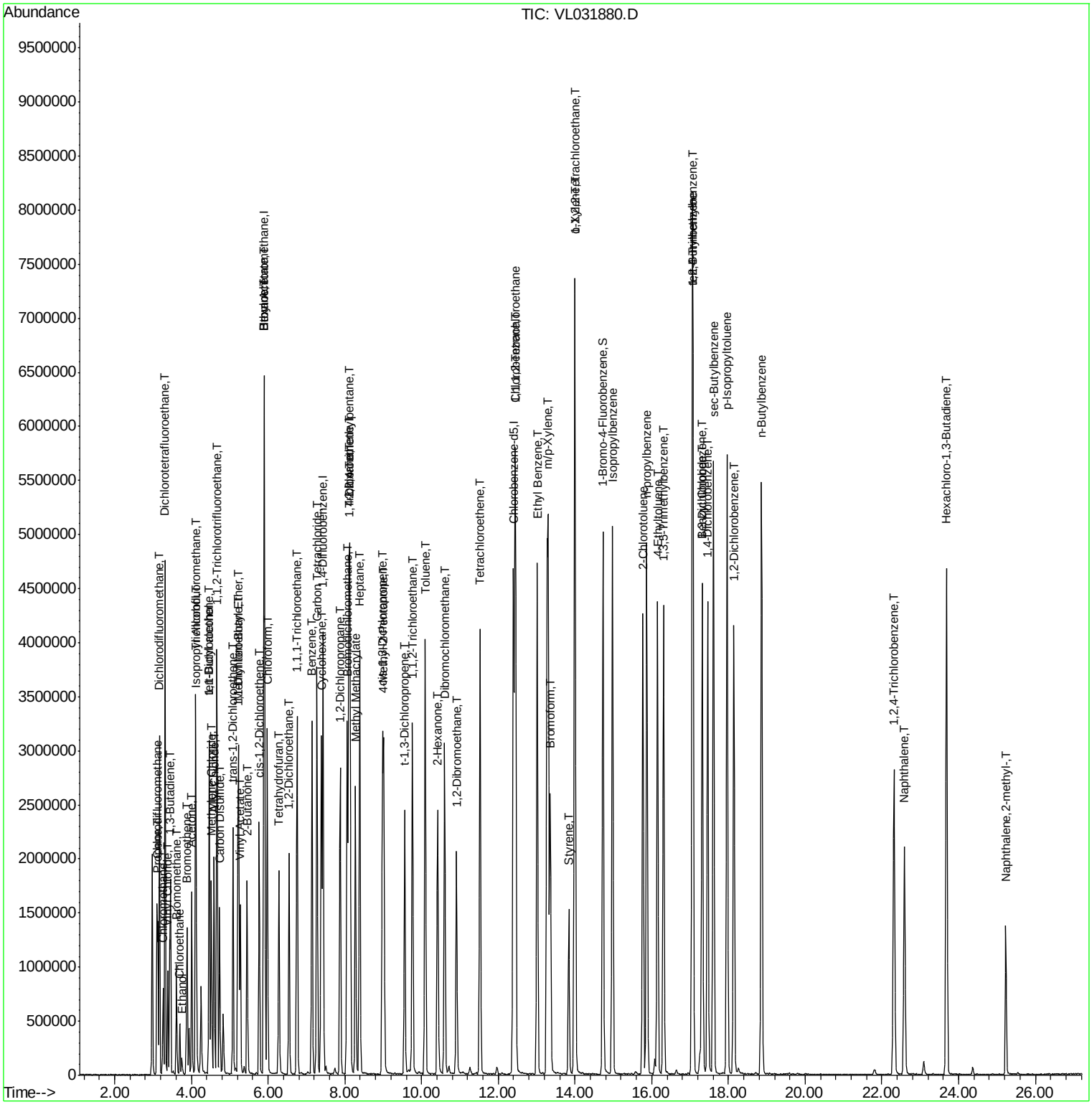
(#) = qualifier out of range (m) = manual integration (+) = signals summed

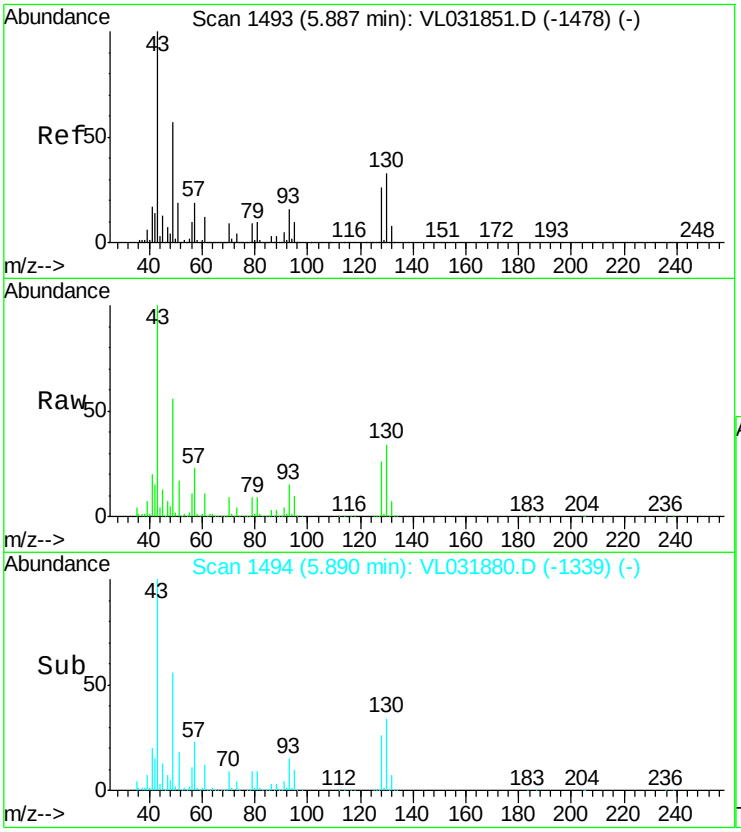
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL041918\
Data File : VL031880.D
Acq On : 19 Apr 2018 15:44
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BFB

Quant Time: Apr 20 07:58:50 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Apr 13 16:50:02 2018
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration



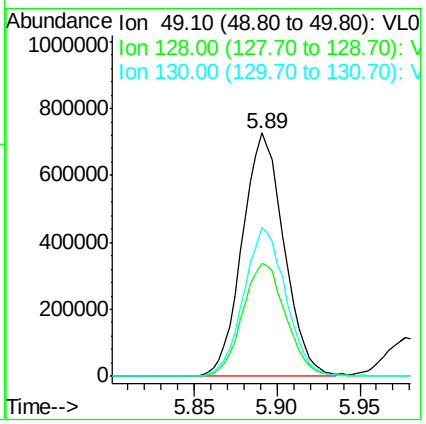


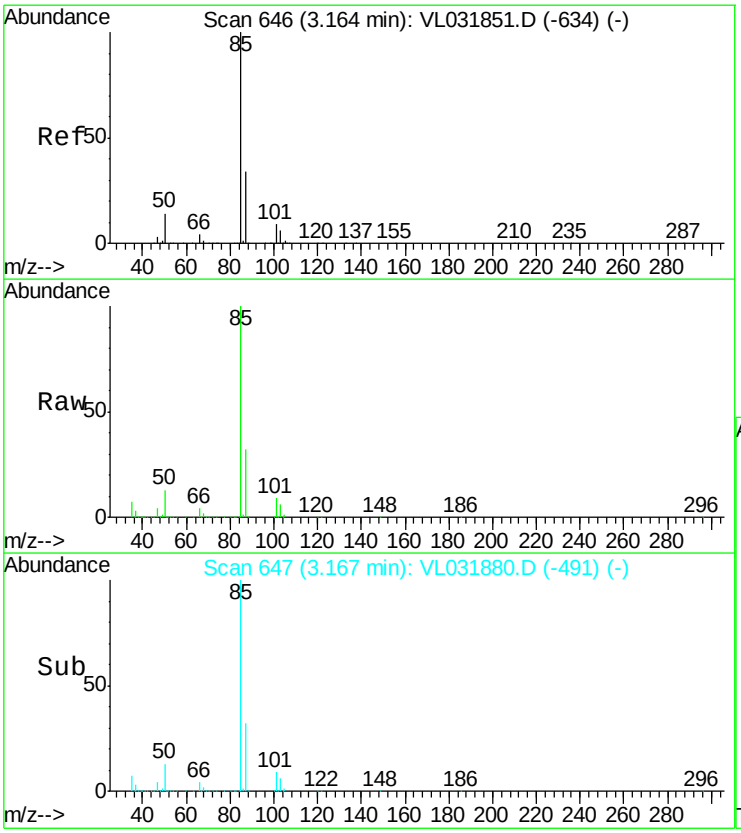
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.89 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 49 Resp: 1269969

Ion	Ratio	Lower	Upper
49	100		
128	48.5	23.9	71.7
130	62.1	30.9	92.7

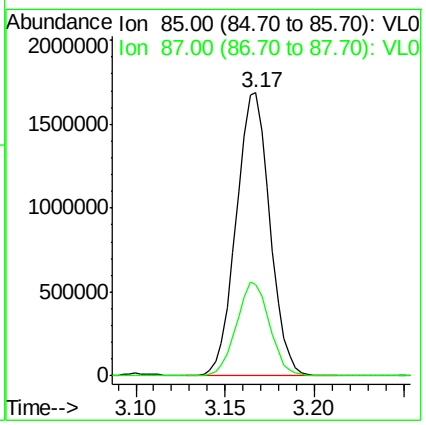


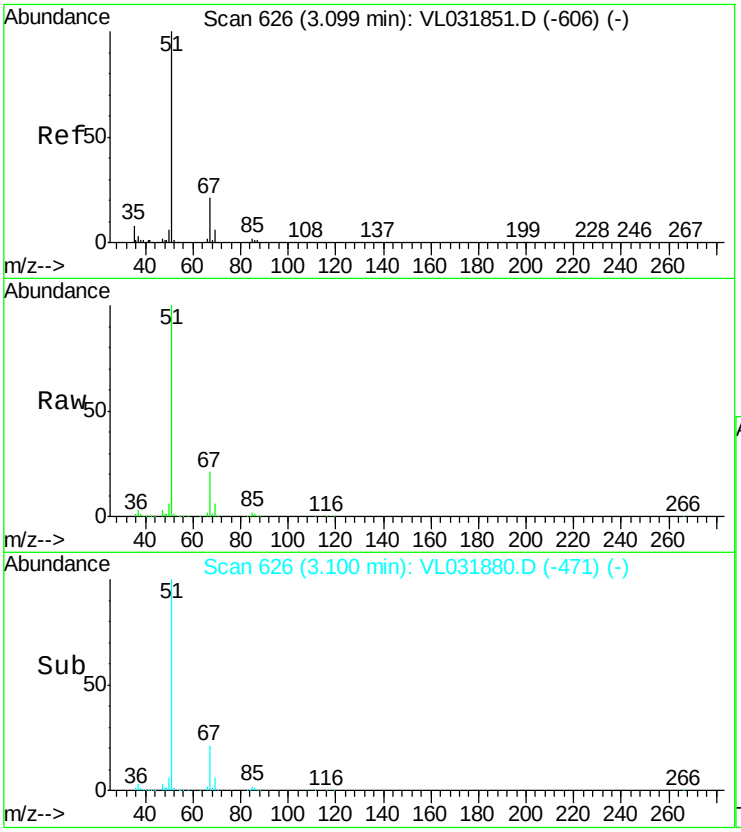


#2
Dichlorodifluoromethane
Concen: 8.50 ppbv
RT: 3.17 min Scan# 647
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 85 Resp: 2227318

Ion	Ratio	Lower	Upper
85	100		
87	32.3	25.9	38.9



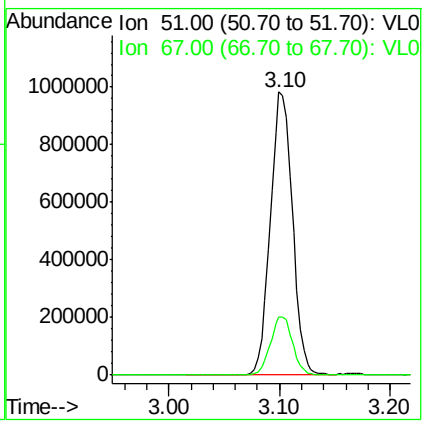


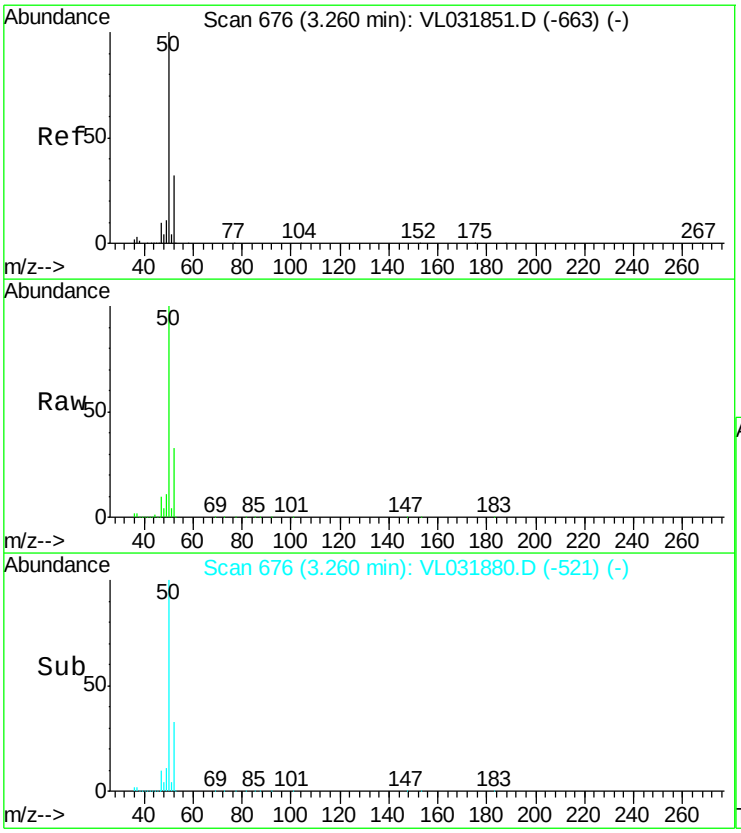
#3
Chlorodifluoromethane
Concen: 9.23 ppbv
RT: 3.10 min Scan# 626
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 51 Resp: 1363039

Ion	Ratio	Lower	Upper
51	100		
67	21.0	17.5	26.3

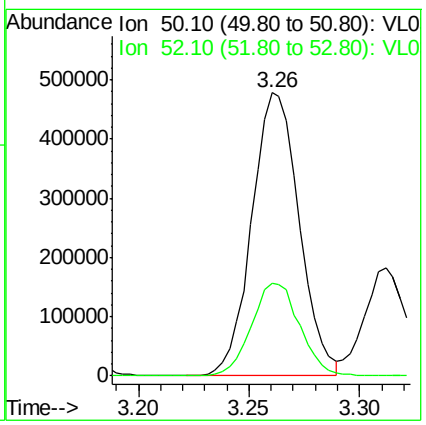


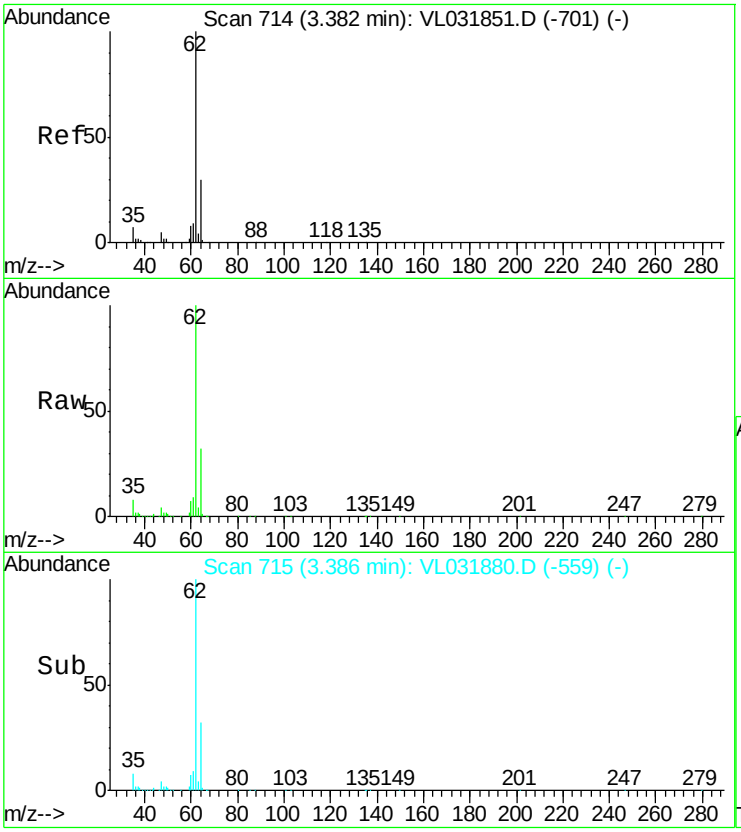


#4
Chloromethane
Concen: 9.41 ppbv
RT: 3.26 min Scan# 676
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 50 Resp: 709526

Ion	Ratio	Lower	Upper
50	100		
52	32.7	28.1	42.1



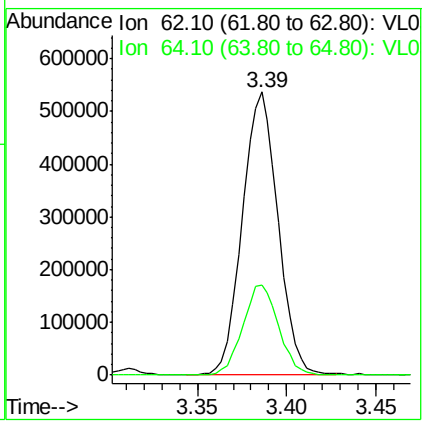


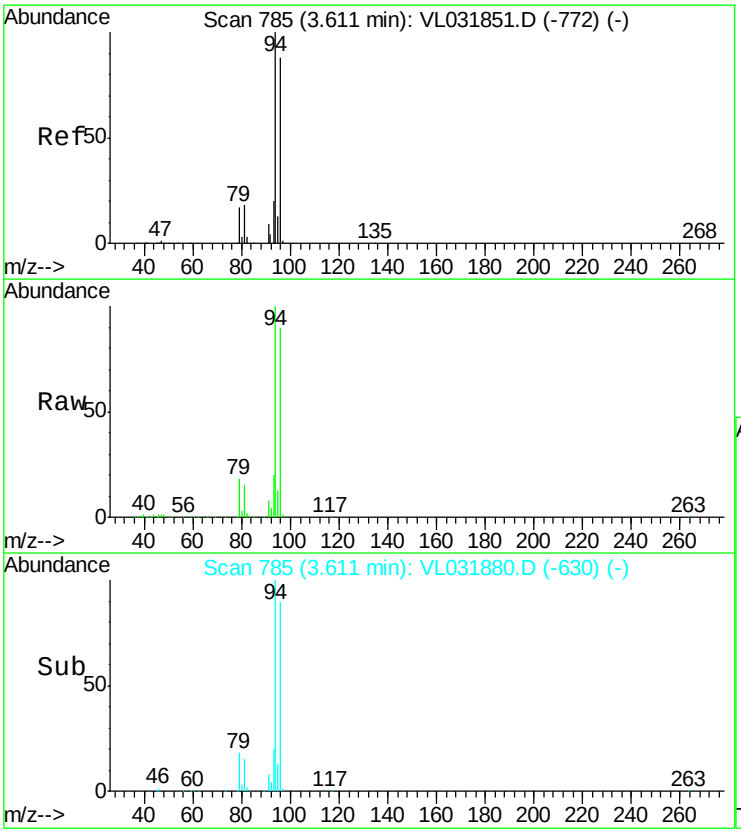
#5
Vinyl Chloride
Concen: 8.85 ppbv
RT: 3.39 min Scan# 715
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 62 Resp: 751295

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.9	38.9

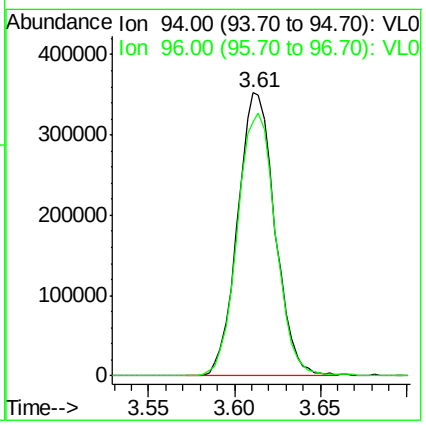


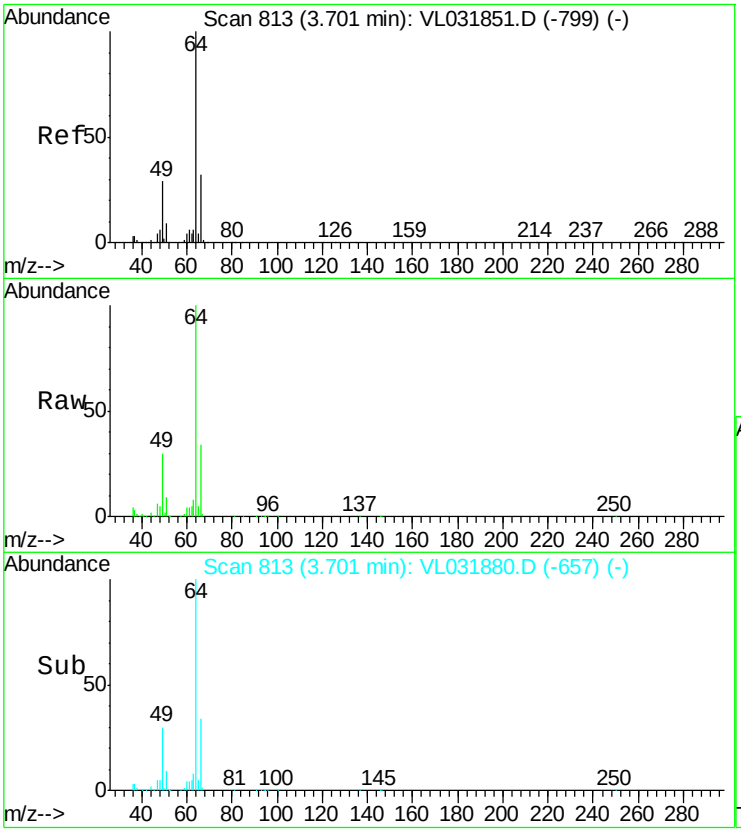


#6
Bromomethane
Concen: 9.52 ppbv
RT: 3.61 min Scan# 785
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 94 Resp: 531226

Ion	Ratio	Lower	Upper
94	100		
96	89.7	73.8	110.6



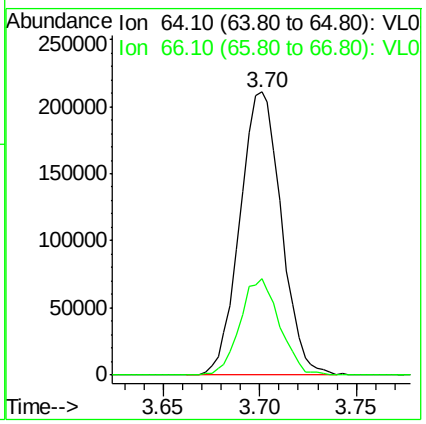


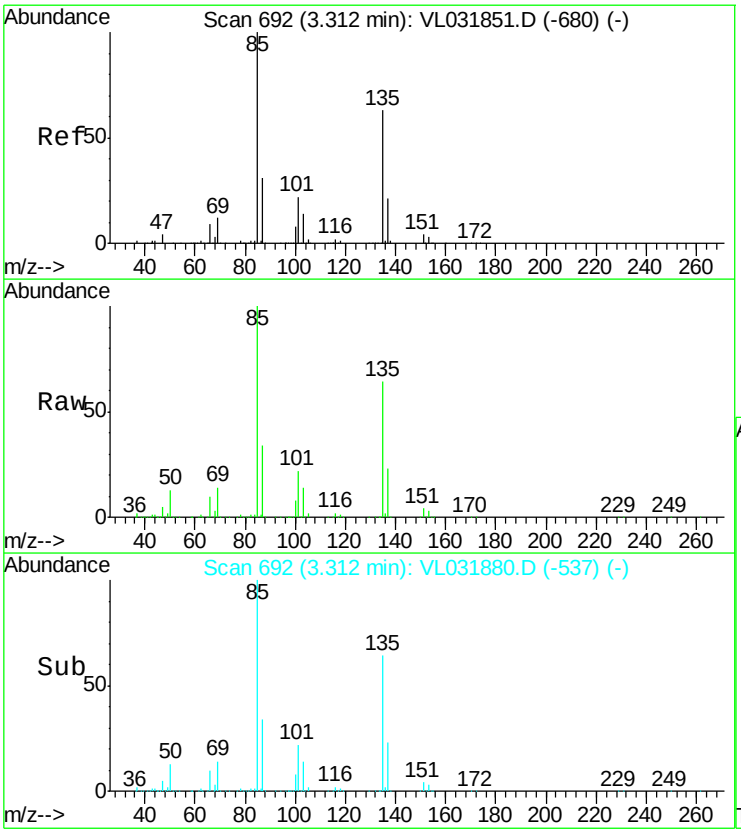
#7
Chloroethane
Concen: 9.28 ppbv
RT: 3.70 min Scan# 813
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 64 Resp: 314220

Ion	Ratio	Lower	Upper
64	100		
66	33.9	23.4	35.0

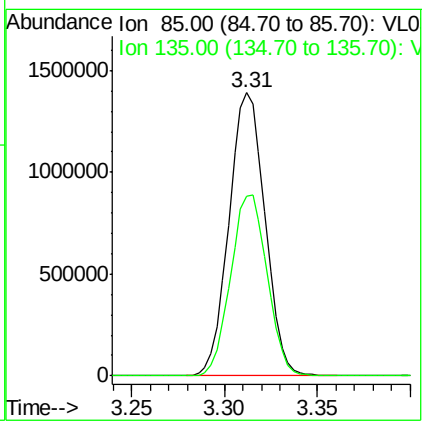


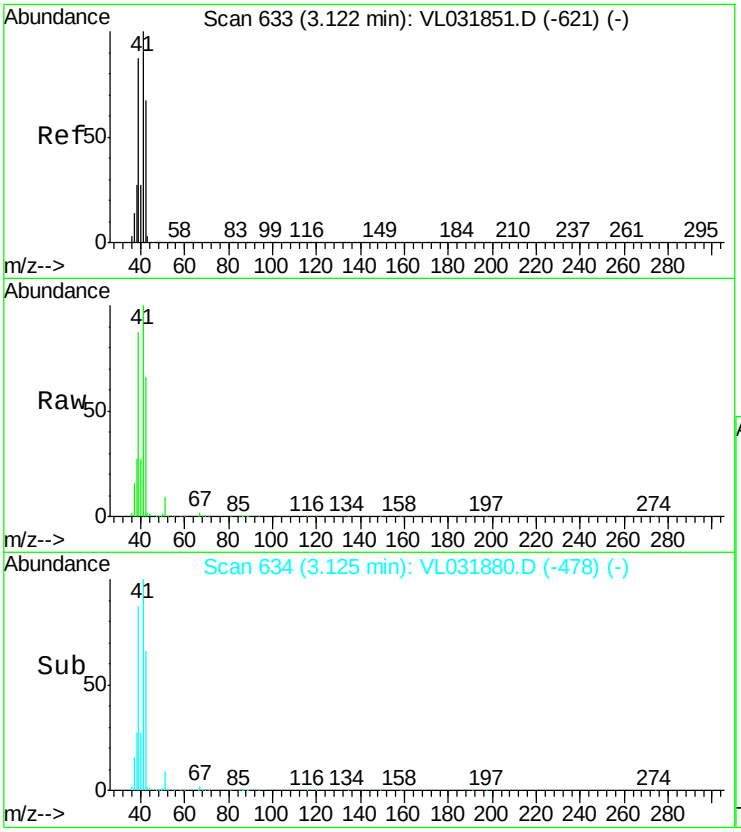


#8
Dichlorotetrafluoroethane
Concen: 8.71 ppbv
RT: 3.31 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 85 Resp: 1873050

Ion	Ratio	Lower	Upper
85	100		
135	65.3	52.7	79.1



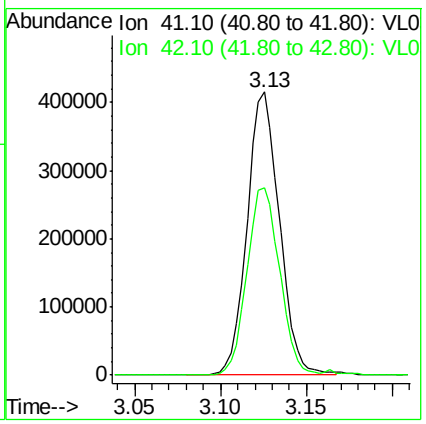


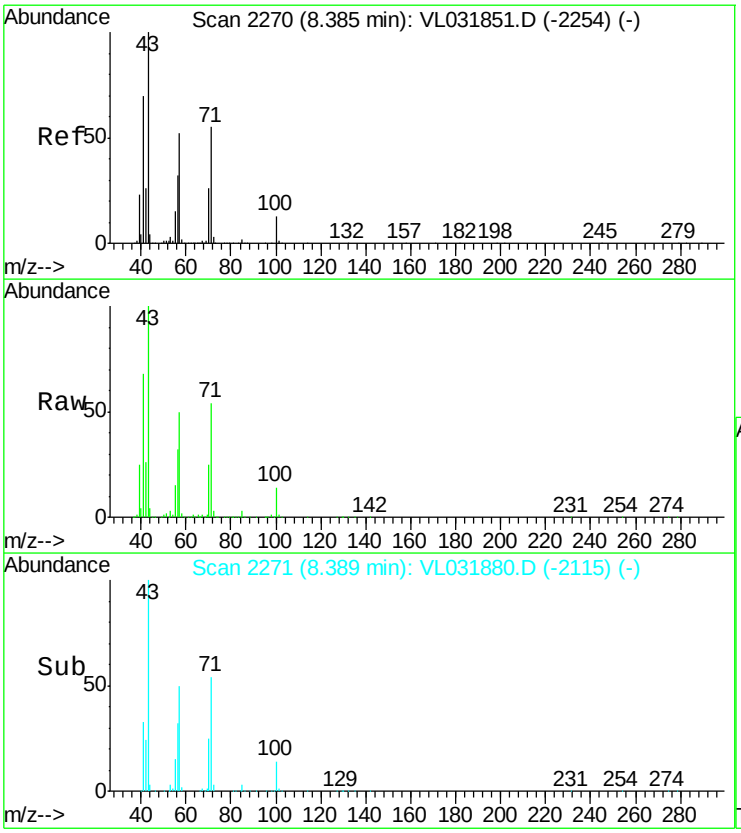
#9
Propene
Concen: 10.59 ppbv
RT: 3.13 min Scan# 634
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 41 Resp: 540753

Ion	Ratio	Lower	Upper
41	100		
42	67.9	55.0	82.4

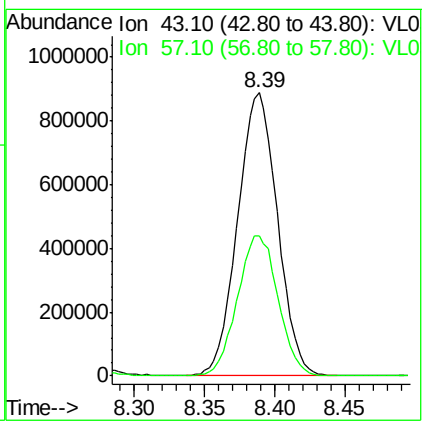


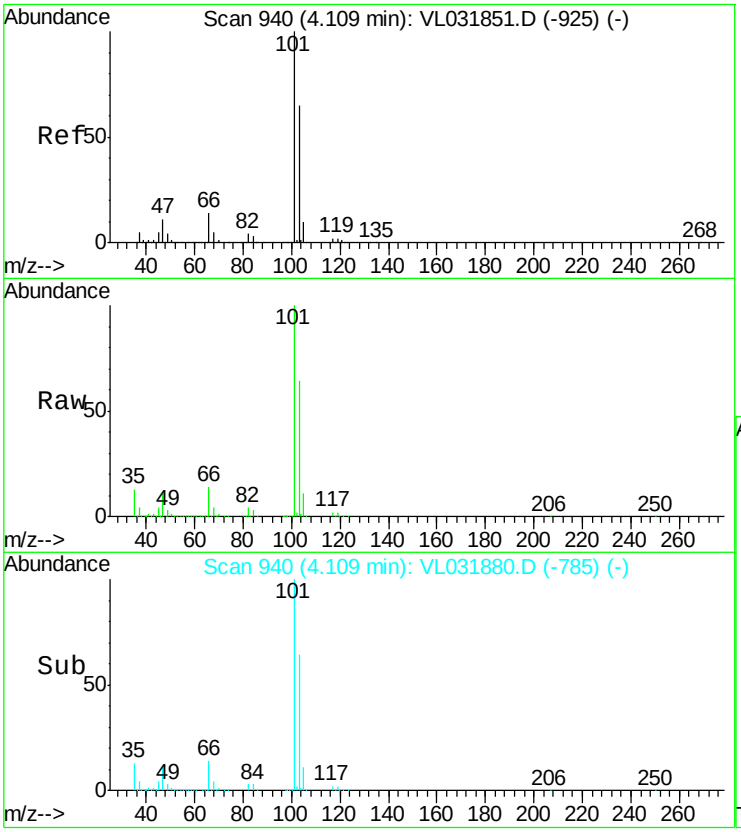


#10
Heptane
Concen: 10.57 ppbv
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 43 Resp: 1751165

Ion	Ratio	Lower	Upper
43	100		
57	50.7	41.5	62.3



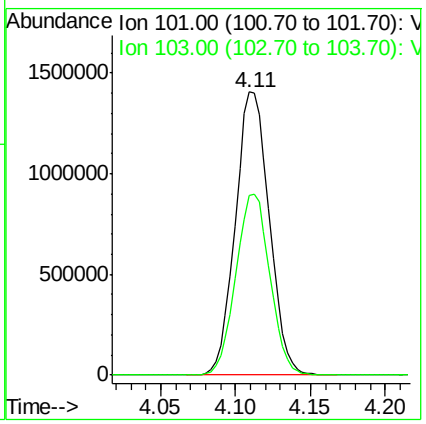


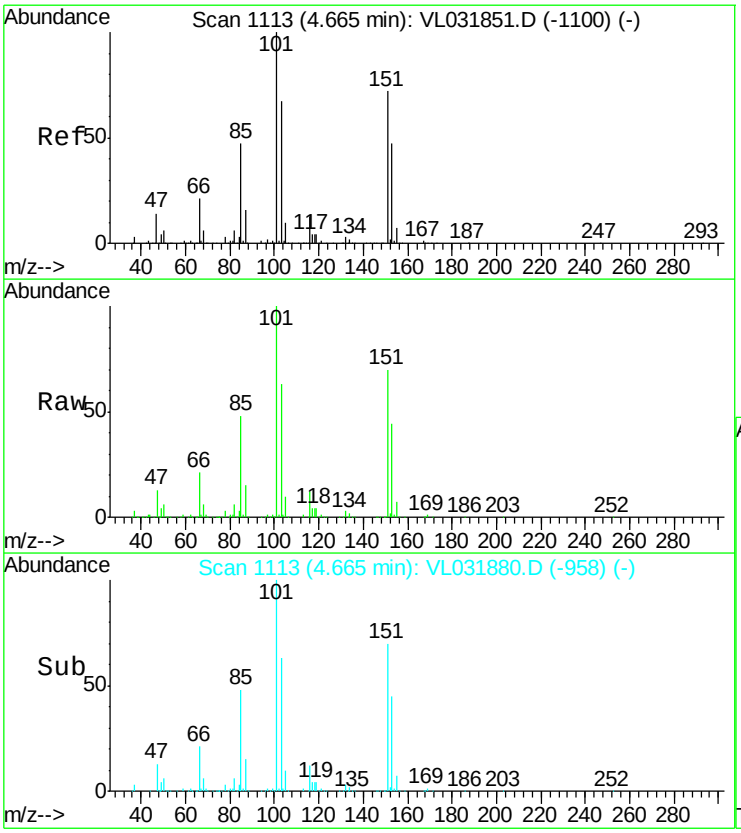
#11
Trichlorofluoromethane
Concen: 8.65 ppbv
RT: 4.11 min Scan# 940
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:101 Resp: 2222434

Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.8	77.8

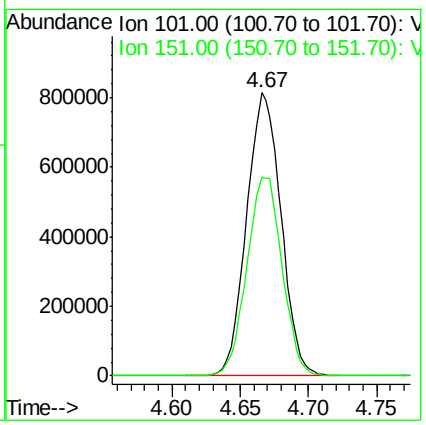


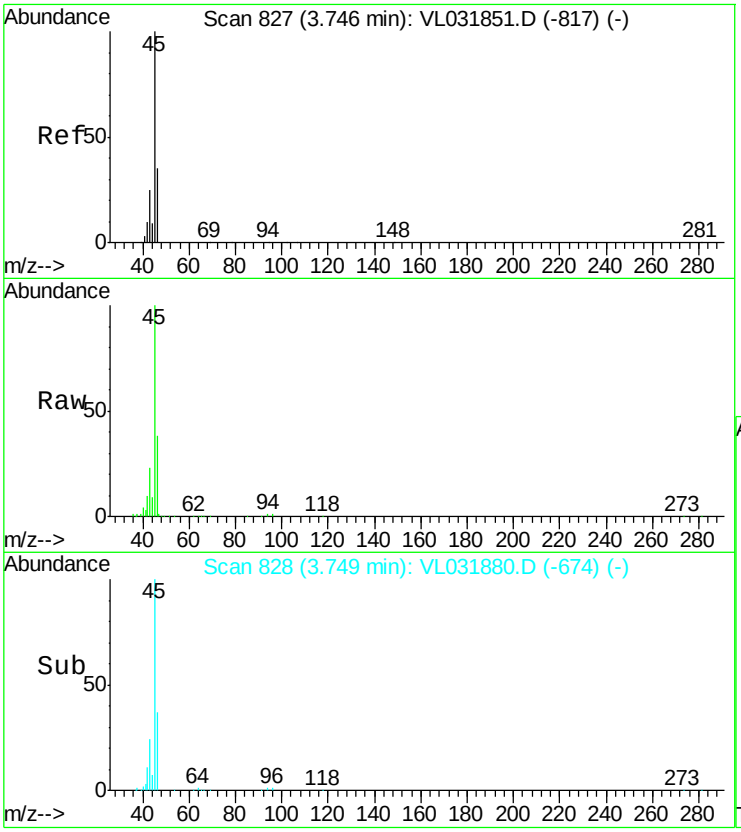


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.55 ppbv
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion:101 Resp: 1426410

Ion	Ratio	Lower	Upper
101	100		
151	71.9	57.0	85.6



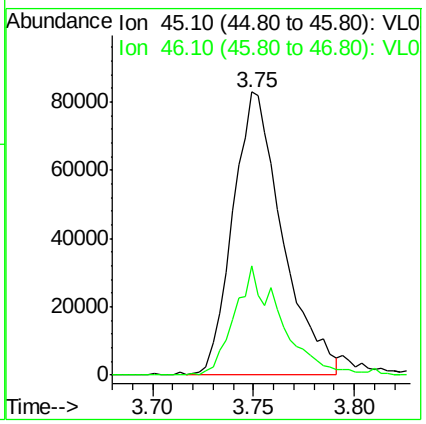


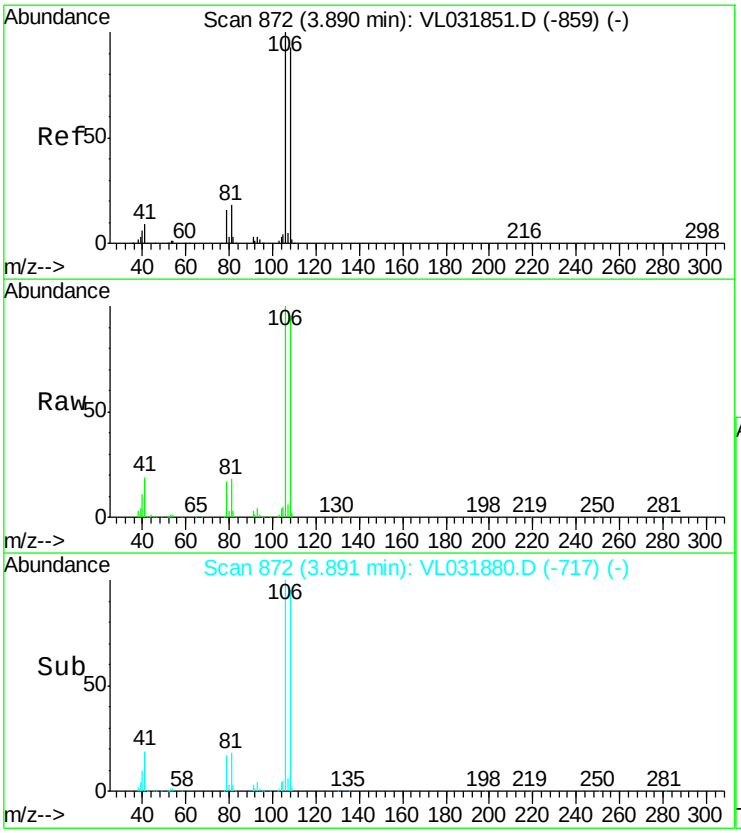
#13
Ethanol
Concen: 8.25 ppbv
RT: 3.75 min Scan# 828
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 45 Resp: 142928

Ion	Ratio	Lower	Upper
45	100		
46	36.5	14.6	58.6

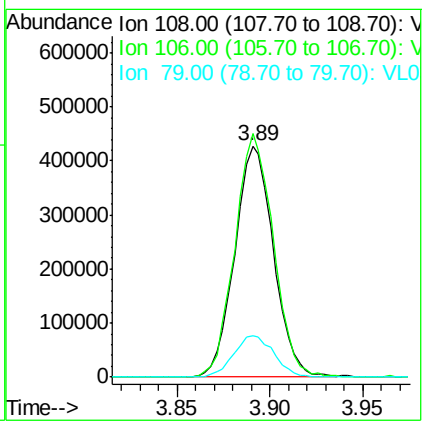


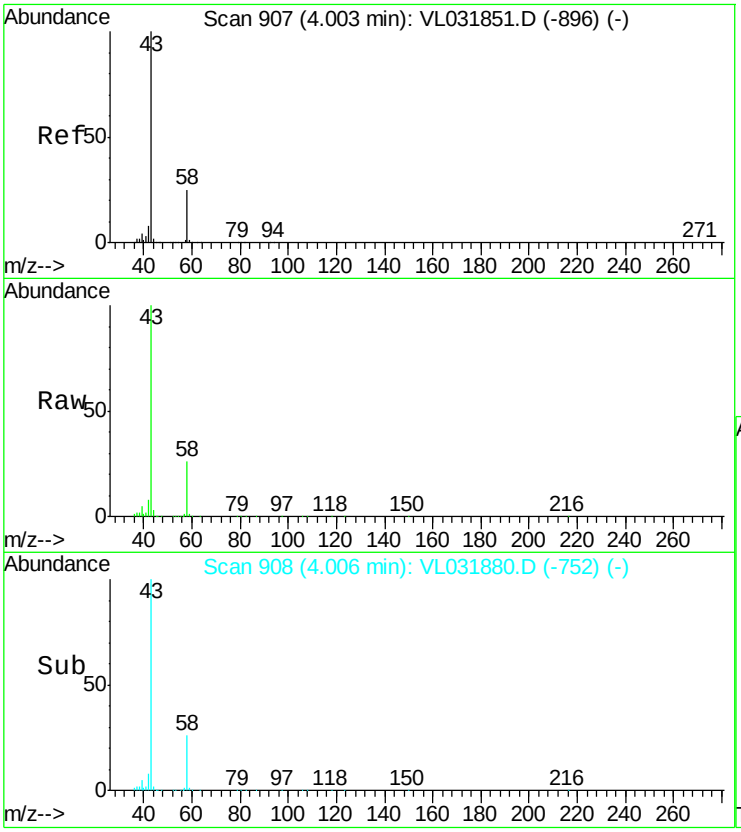


#14
Bromoethene
Concen: 9.84 ppbv
RT: 3.89 min Scan# 872
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion:108 Resp: 619392

Ion	Ratio	Lower	Upper
108	100		
106	105.2	86.6	130.0
79	19.0	15.5	23.3



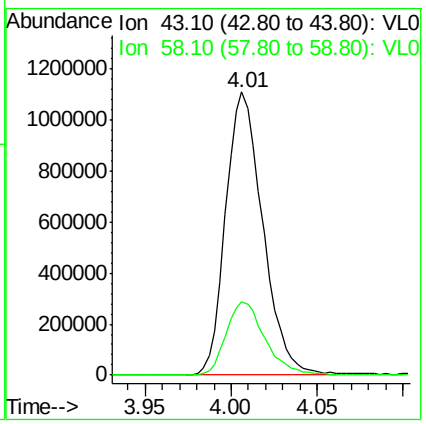


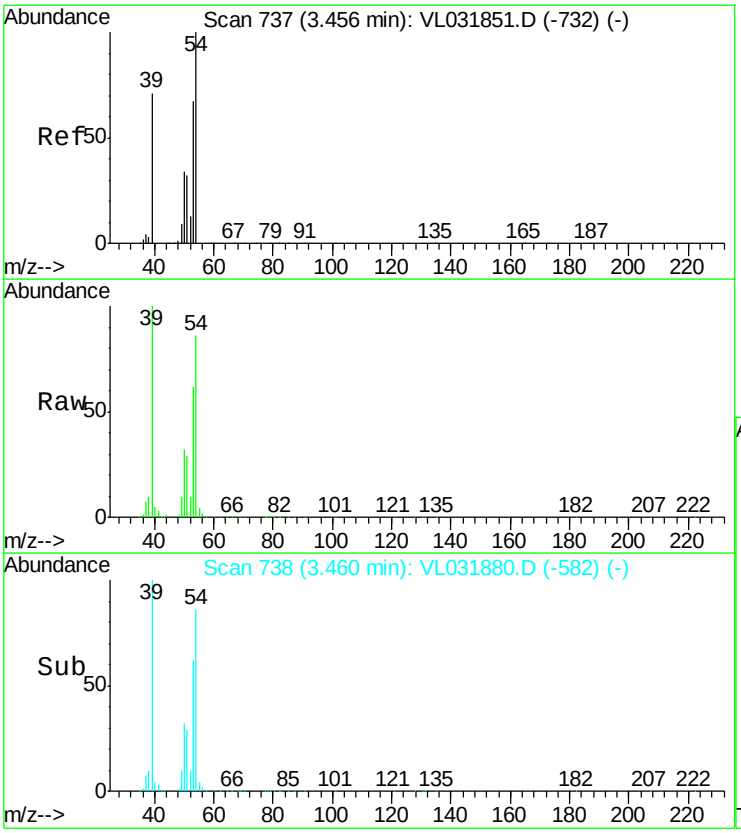
#15
Acetone
Concen: 8.51 ppbv
RT: 4.01 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 1663235

Ion	Ratio	Lower	Upper
43	100		
58	27.2	20.9	31.3

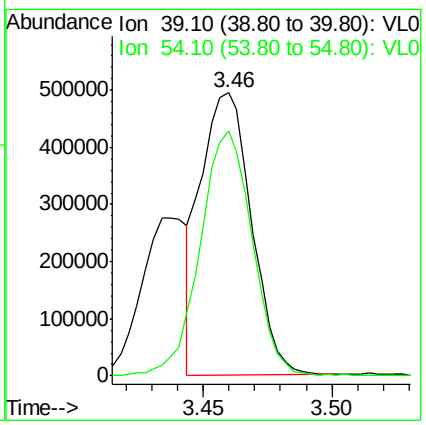


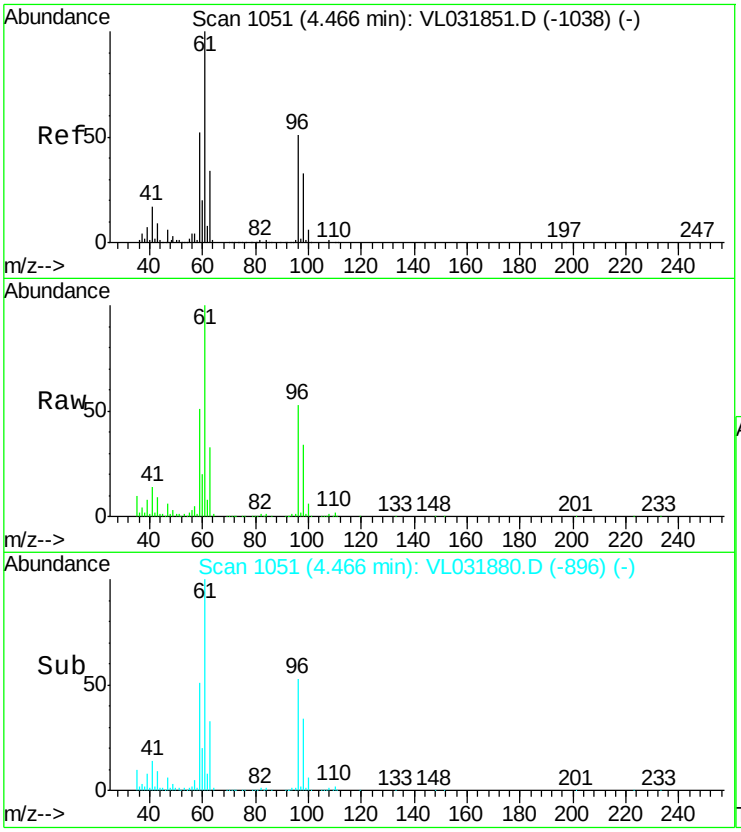


#16
1,3-Butadiene
Concen: 9.27 ppbv
RT: 3.46 min Scan# 738
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 39 Resp: 670660

Ion	Ratio	Lower	Upper
39	100		
54	90.1	63.3	94.9



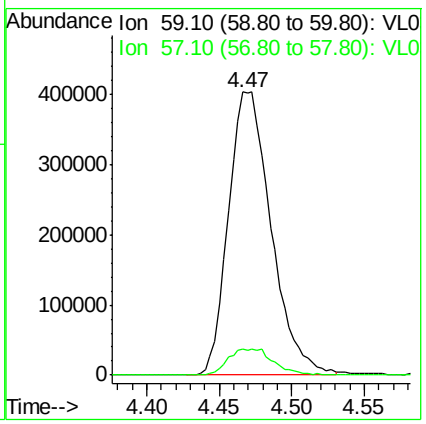


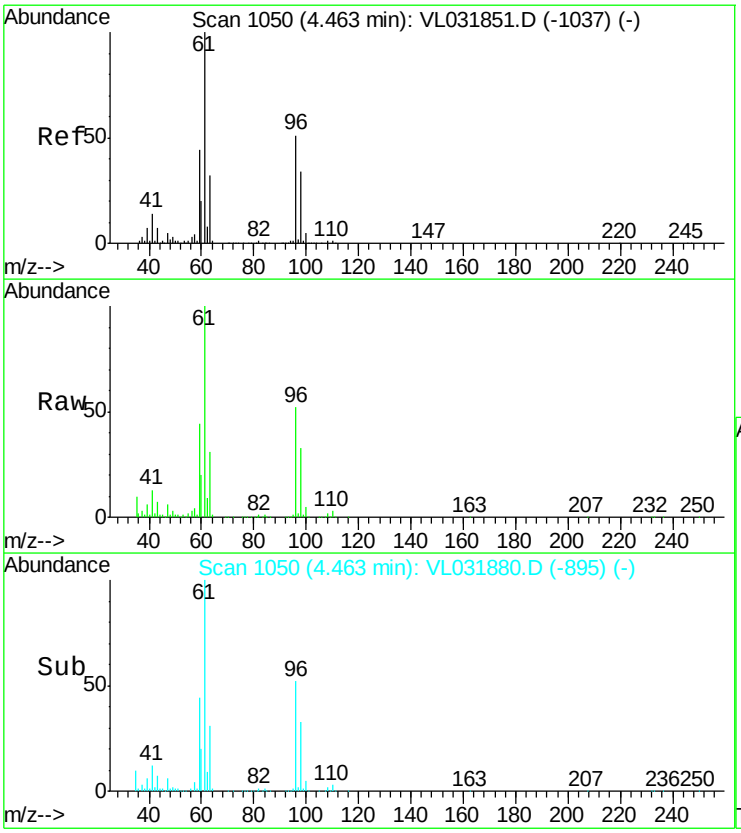
#17
tert-Butyl alcohol
Concen: 10.22 ppbv
RT: 4.47 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 59 Resp: 825124

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7

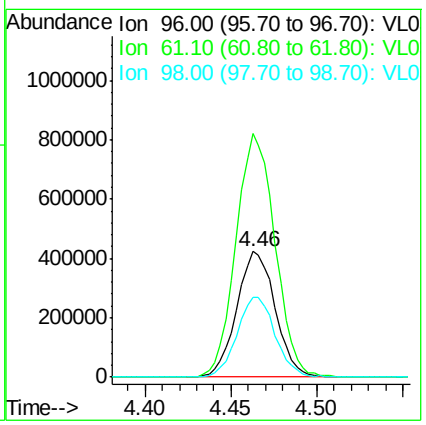


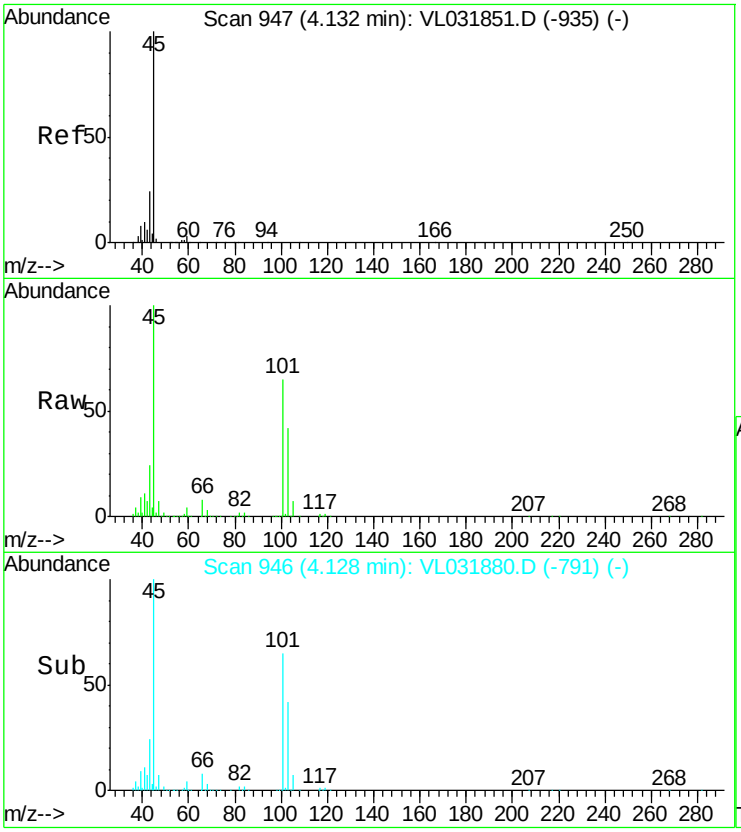


#18
1,1-Dichloroethene
Concen: 9.19 ppbv
RT: 4.46 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 96 Resp: 658674

Ion	Ratio	Lower	Upper
96	100		
61	193.8	161.0	241.6
98	63.5	52.7	79.1



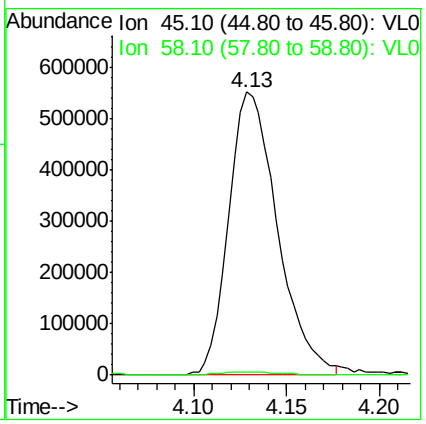


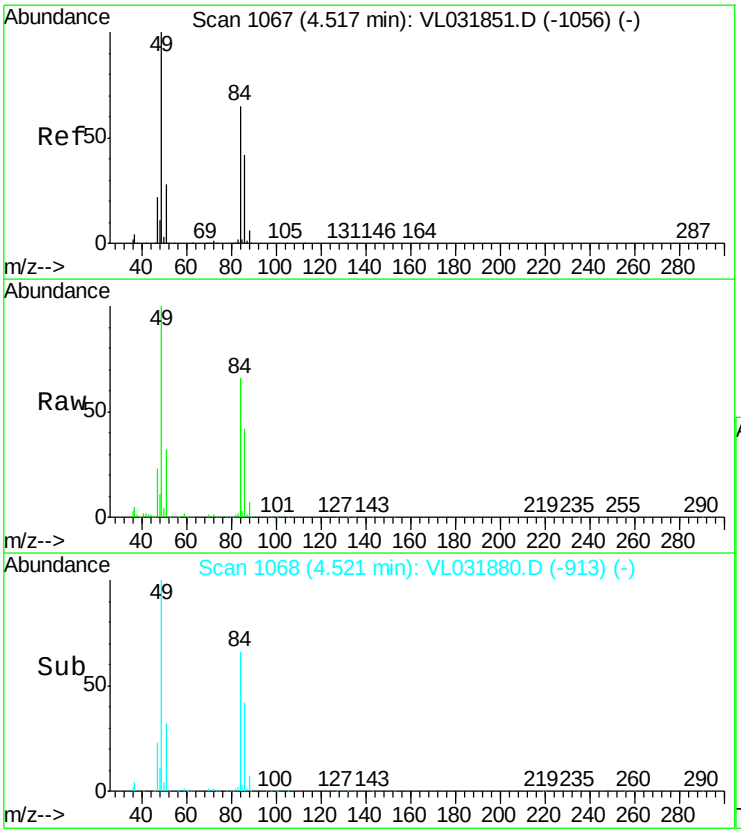
#19
Isopropyl Alcohol
Concen: 9.22 ppbv
RT: 4.13 min Scan# 946
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 45 Resp: 1006328

Ion	Ratio	Lower	Upper
45	100		
58	1.9	1.7	2.5

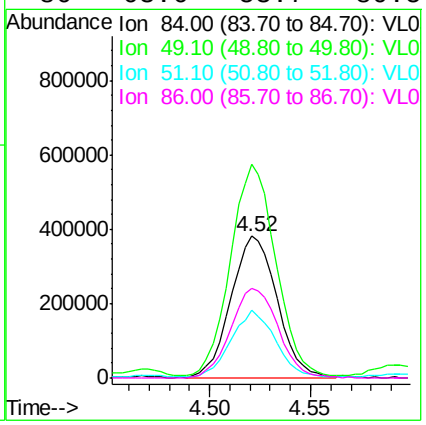


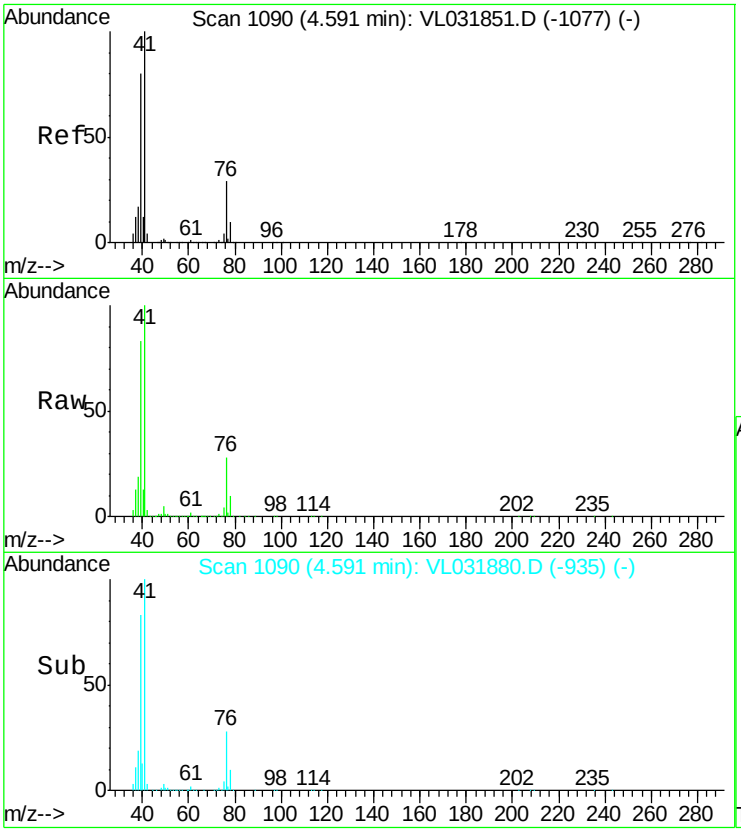


#20
Methylene Chloride
Concen: 8.52 ppbv
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 84 Resp: 606316

Ion	Ratio	Lower	Upper
84	100		
49	150.0	125.6	188.4
51	47.1	36.4	54.6
86	63.6	53.7	80.5



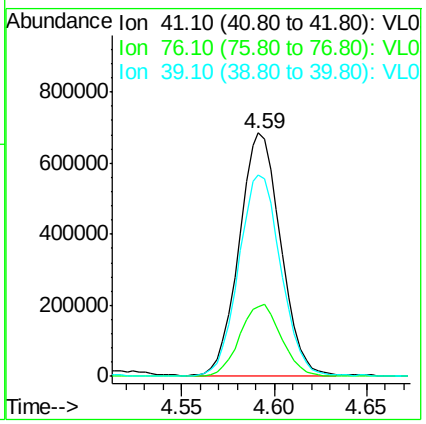


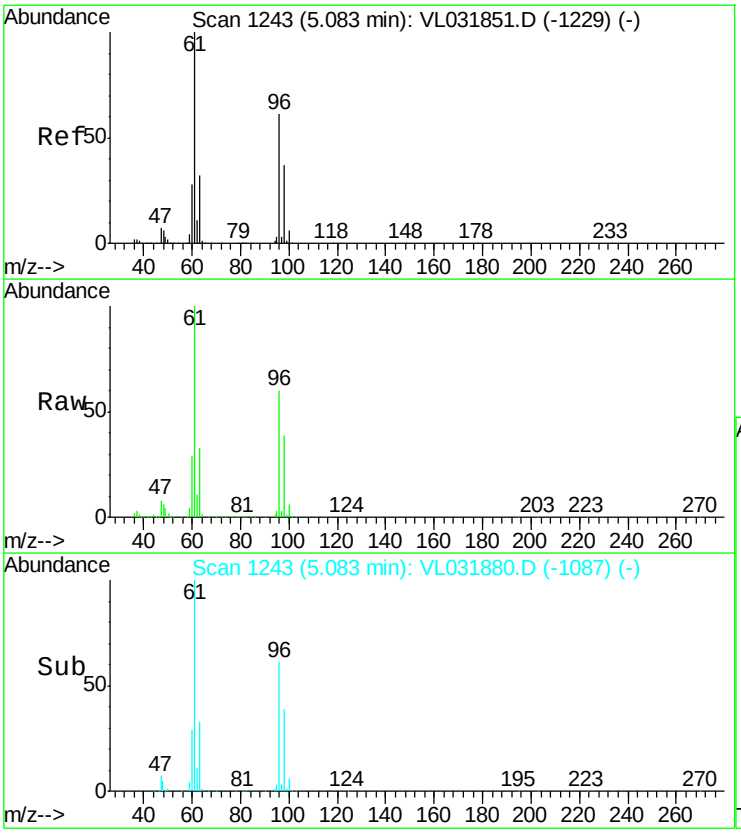
#21
Allyl Chloride
Concen: 9.47 ppbv
RT: 4.59 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 41 Resp: 1057334

Ion	Ratio	Lower	Upper
41	100		
76	29.8	23.4	35.2
39	84.8	67.6	101.4

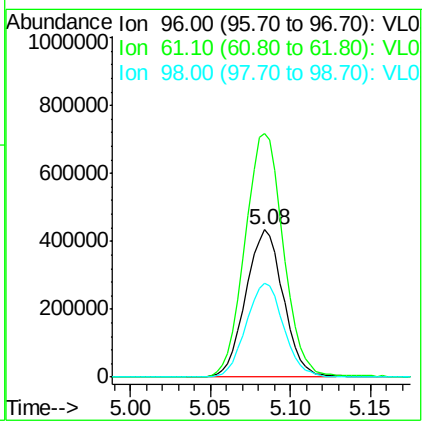


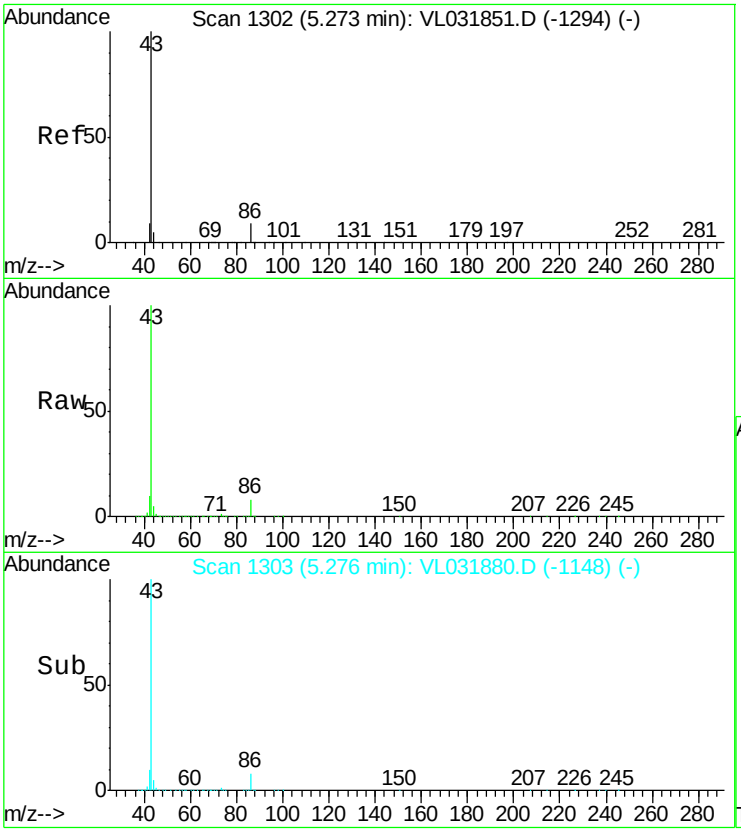


#22
trans-1,2-Dichloroethene
Concen: 9.38 ppbv
RT: 5.08 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 96 Resp: 697254

Ion	Ratio	Lower	Upper
96	100		
61	165.6	131.1	196.7
98	63.9	47.6	71.4



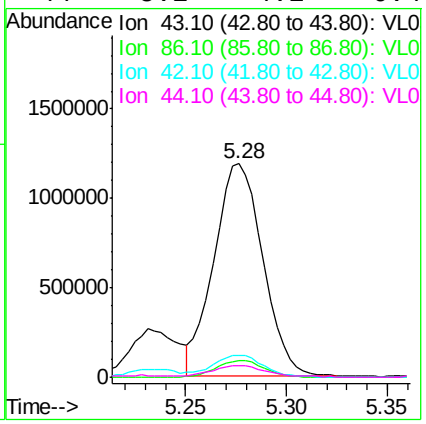


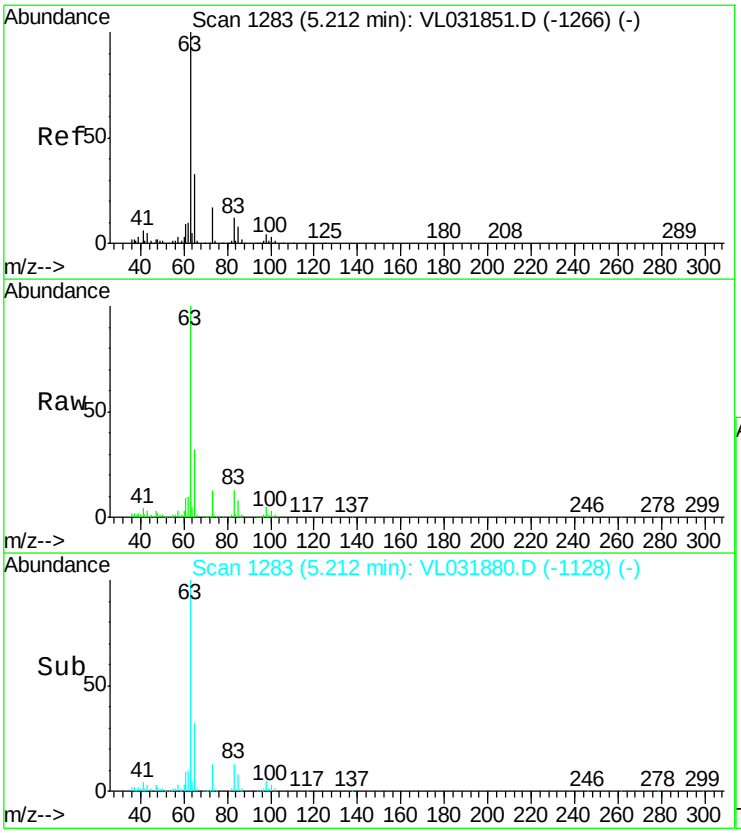
#23
Vinyl Acetate
Concen: 10.16 ppbv
RT: 5.28 min Scan# 1303
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 43 Resp: 2013097

Ion	Ratio	Lower	Upper
43	100		
86	8.0	5.8	8.8
42	10.1	8.5	12.7
44	5.2	4.2	6.4

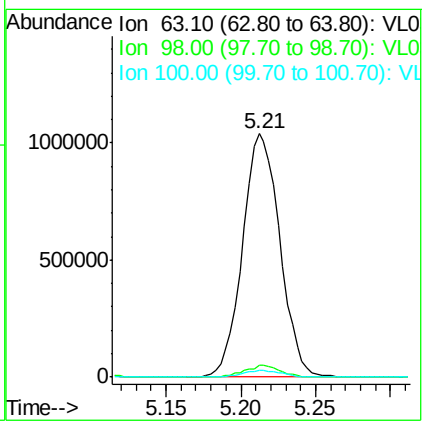


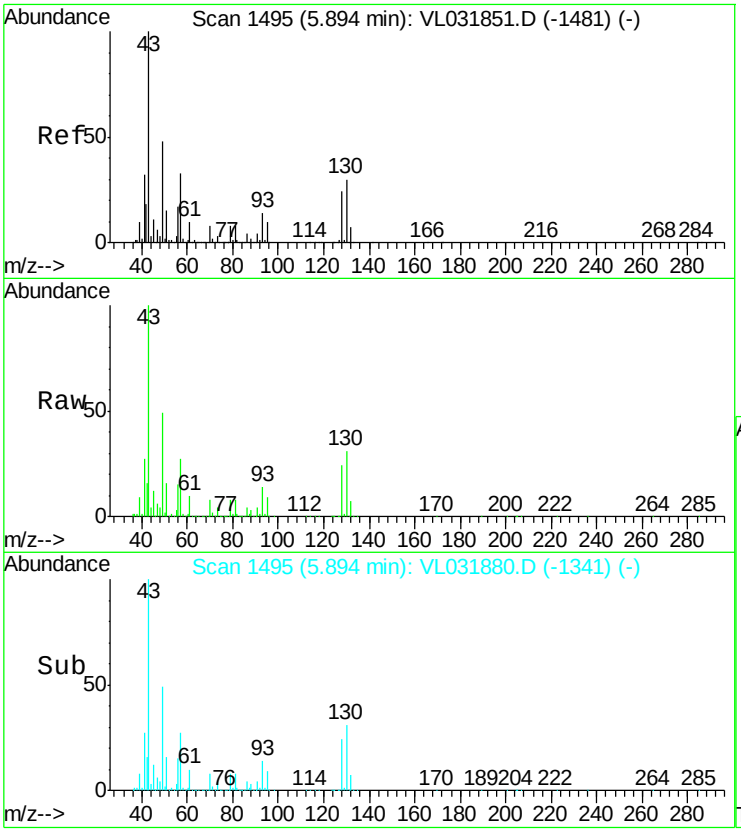


#24
1,1-Dichloroethane
Concen: 9.12 ppbv
RT: 5.21 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 63 Resp: 1801830

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.4	7.2
100	2.6	1.5	4.4



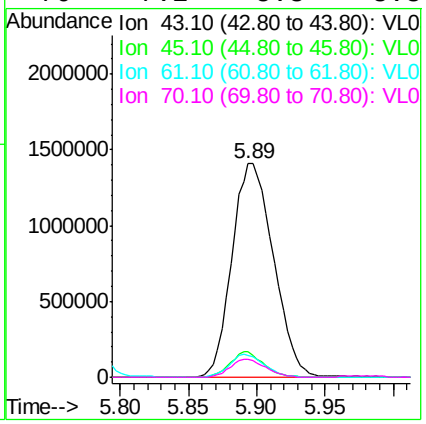


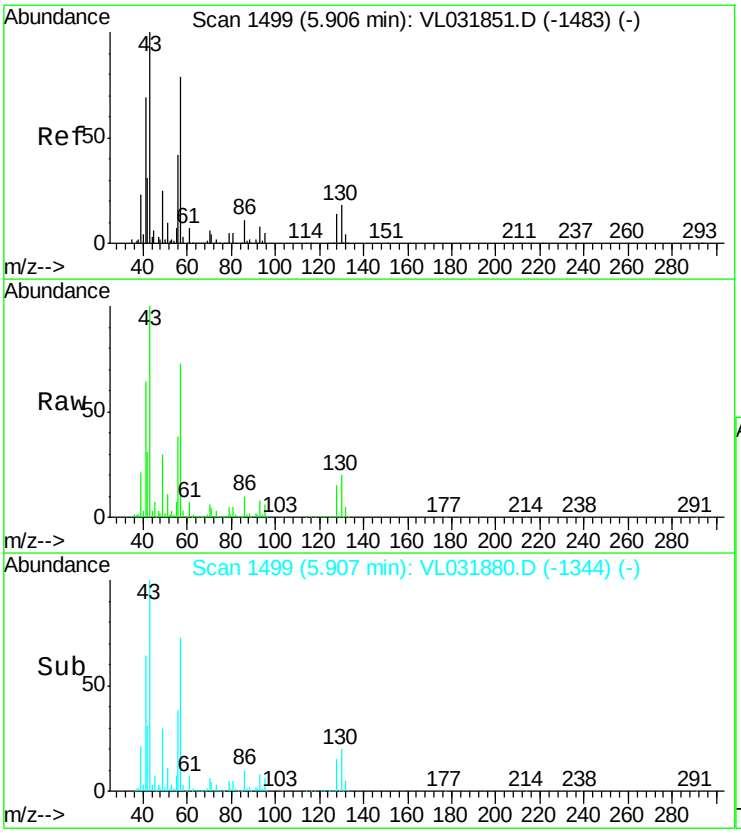
#25
Ethyl Acetate
Concen: 9.77 ppbv
RT: 5.89 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 2979381

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.8
61	8.9	7.2	10.8
70	7.2	5.8	8.8

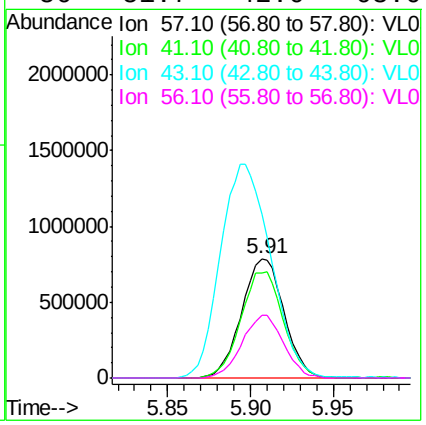


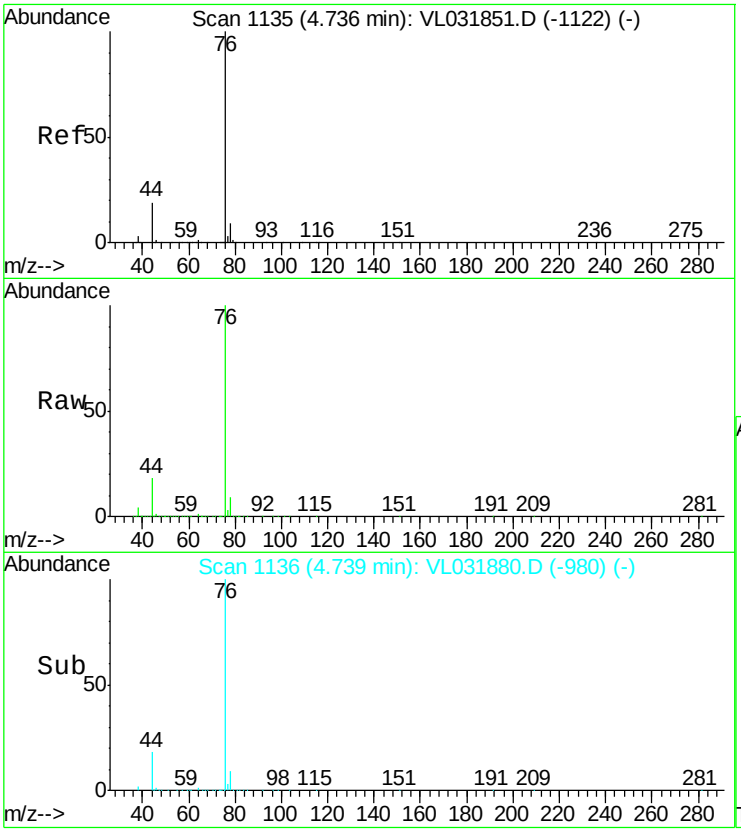


#26
Hexane
Concen: 9.86 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 57 Resp: 1400993

Ion	Ratio	Lower	Upper
57	100		
41	89.5	72.0	108.0
43	213.6	169.8	254.8
56	51.7	42.0	63.0



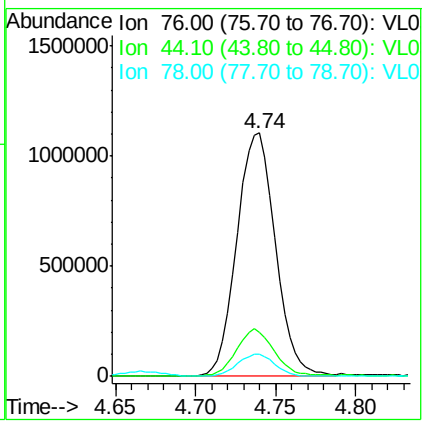


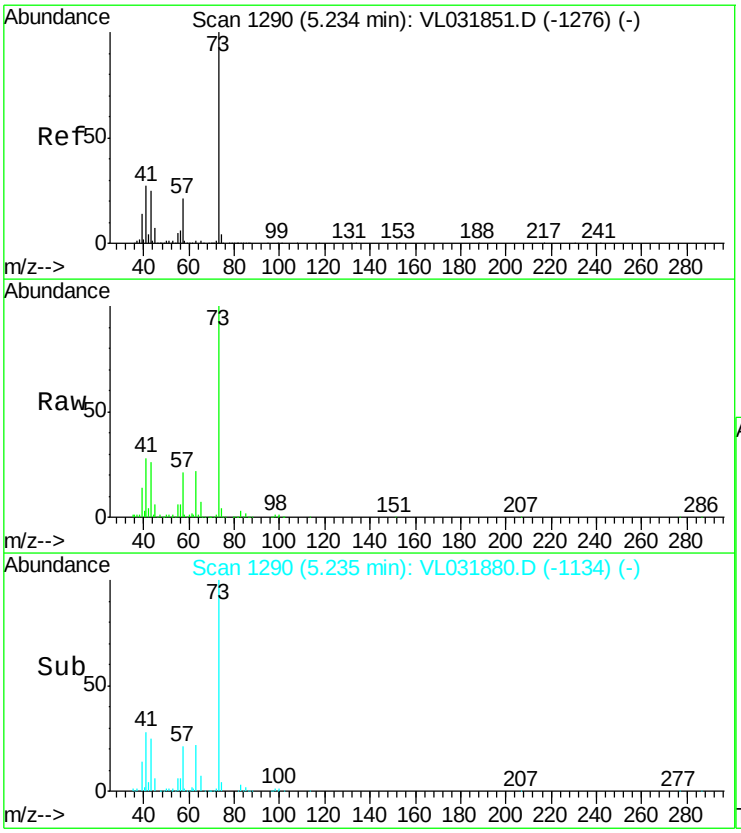
#27
Carbon Disulfide
Concen: 9.86 ppbv
RT: 4.74 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 76 Resp: 1819961

Ion	Ratio	Lower	Upper
76	100		
44	19.0	15.6	23.4
78	9.1	7.6	11.4

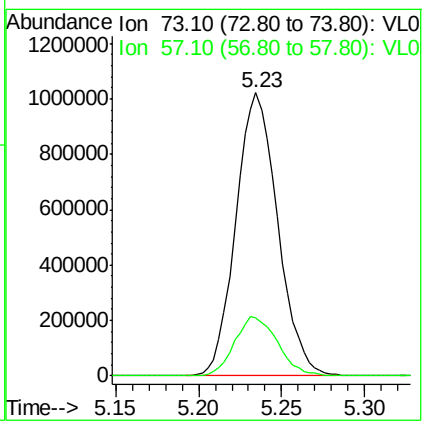


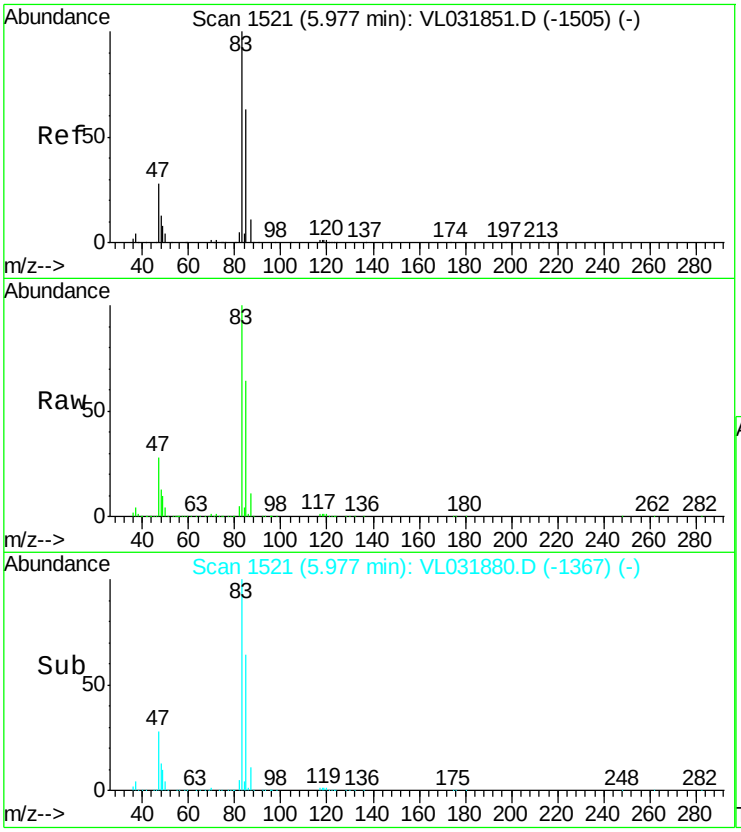


#28
Methyl tert-Butyl Ether
Concen: 10.25 ppbv
RT: 5.23 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 73 Resp: 1791955

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.6	26.4



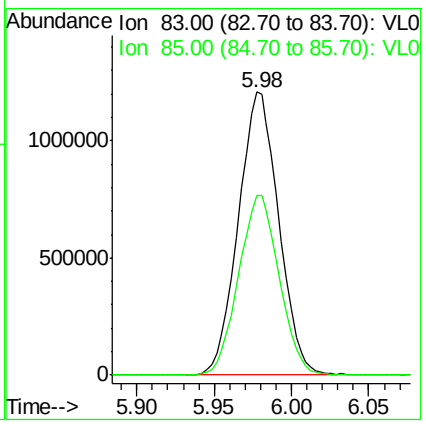


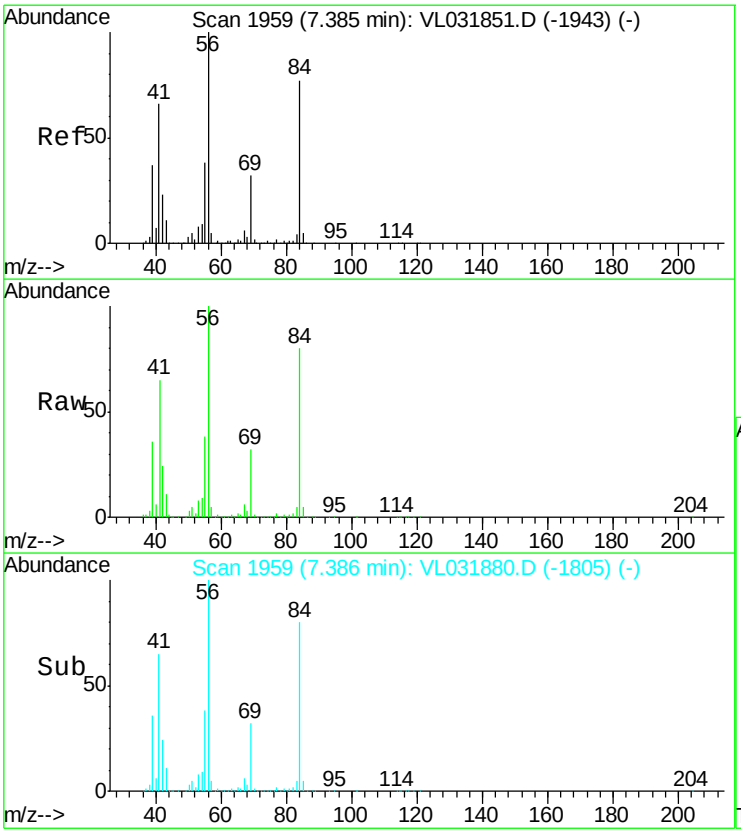
#29
Chloroform
Concen: 9.08 ppbv
RT: 5.98 min Scan# 1521
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 83 Resp: 2186912

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.0

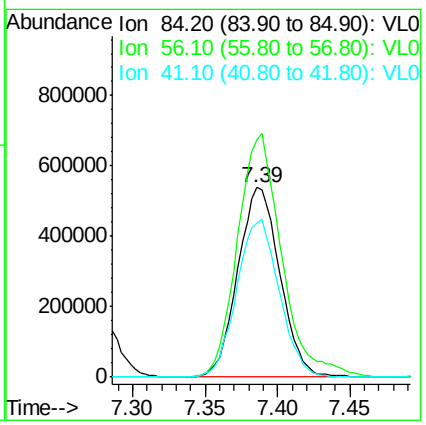


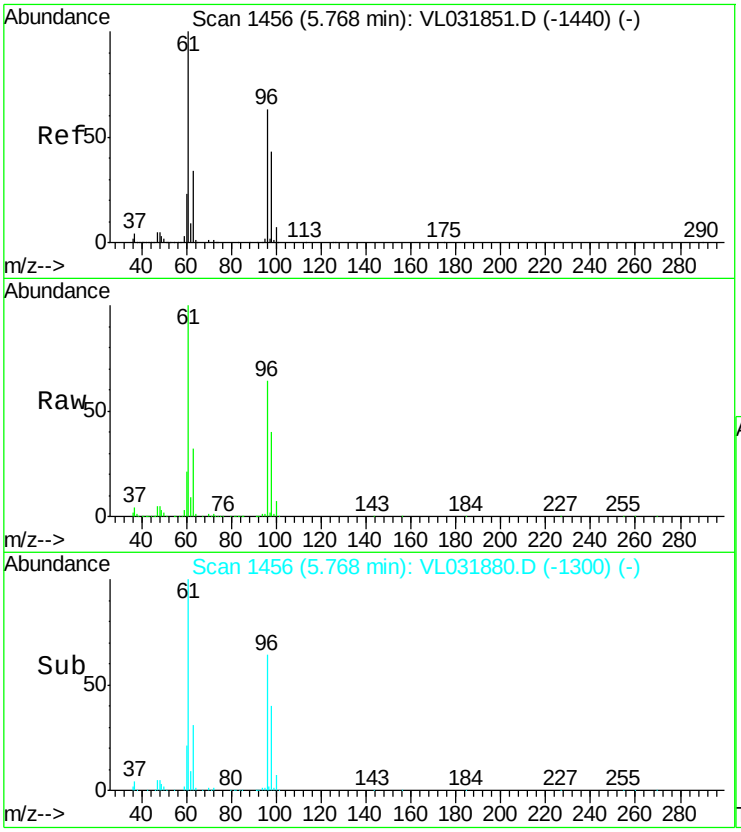


#30
Cyclohexane
Concen: 10.66 ppbv
RT: 7.39 min Scan# 1959
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 84 Resp: 1081930

Ion	Ratio	Lower	Upper
84	100		
56	135.9	107.7	161.5
41	84.4	68.2	102.2



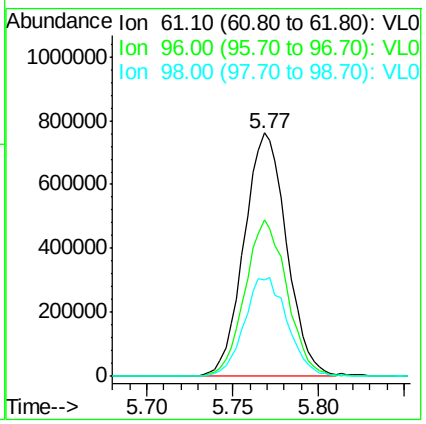


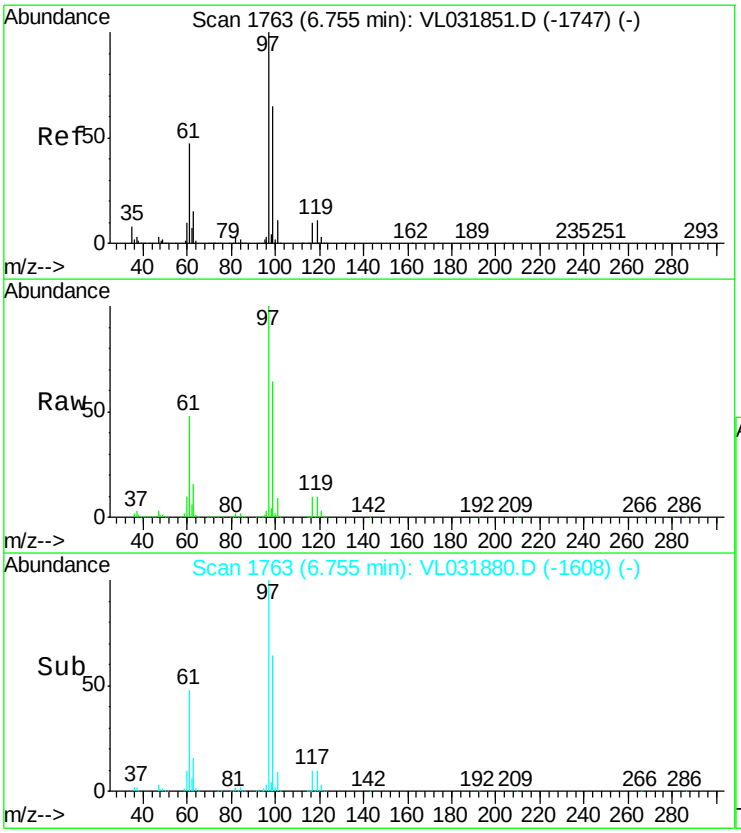
#31
cis-1,2-Dichloroethene
Concen: 10.13 ppbv
RT: 5.77 min Scan# 1456
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 61 Resp: 1304191

Ion	Ratio	Lower	Upper
61	100		
96	64.2	47.6	71.4
98	39.8	30.3	45.5

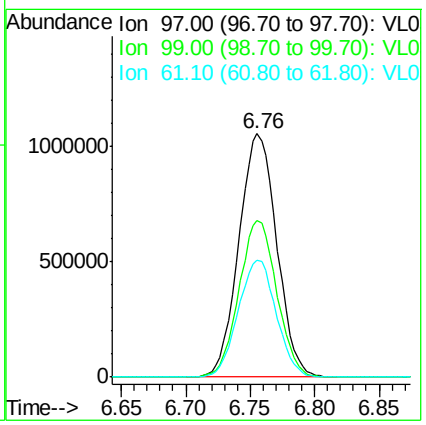


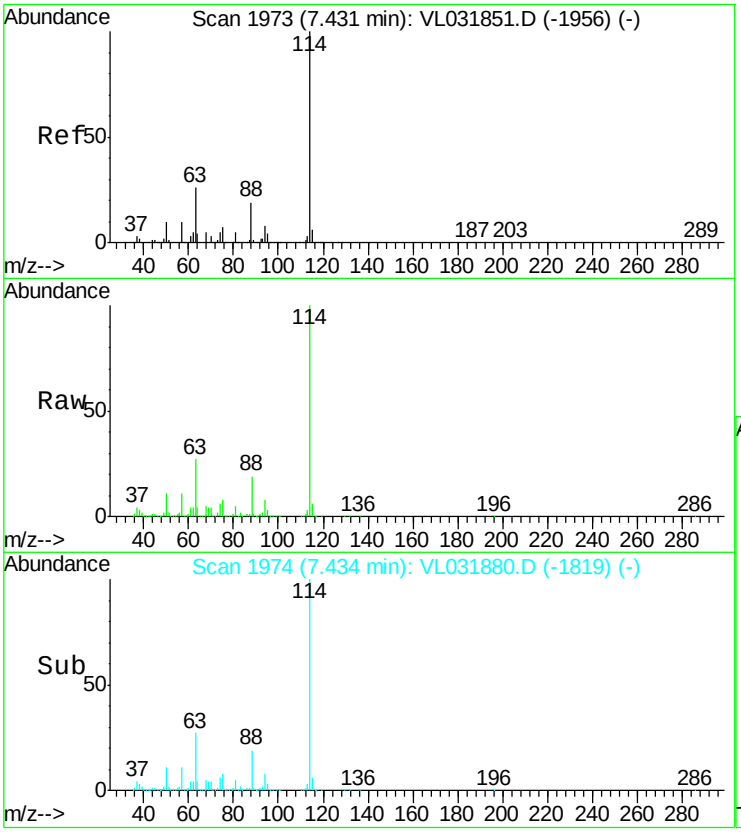


#32
1,1,1-Trichloroethane
Concen: 9.20 ppbv
RT: 6.76 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 97 Resp: 2159582

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	48.3	40.0	60.0



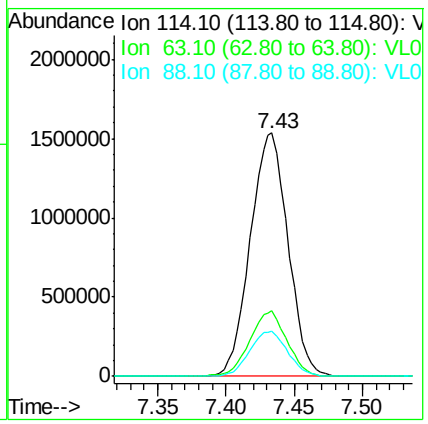


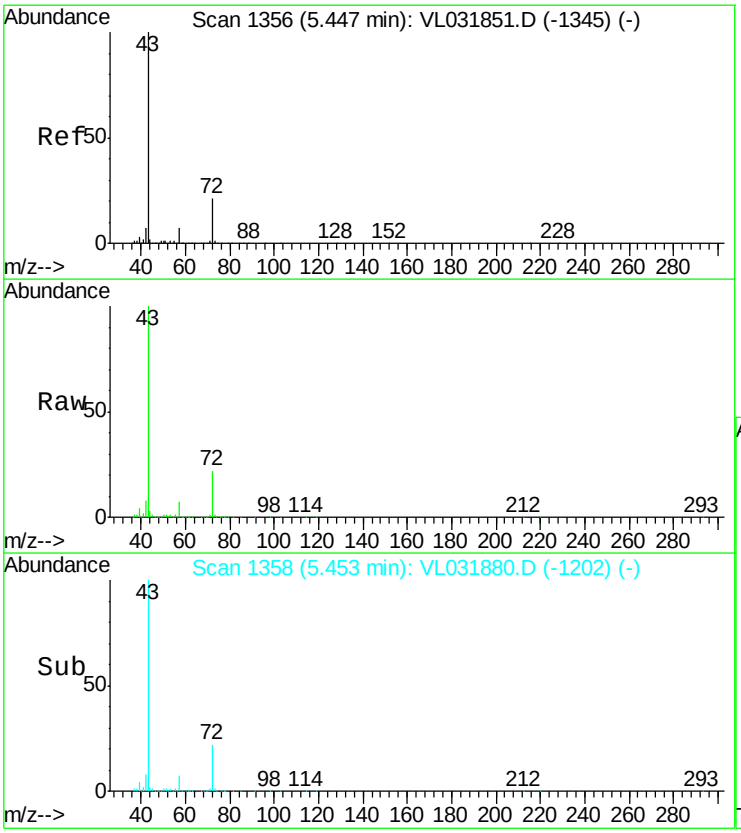
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.43 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:114 Resp: 2943609

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.8	32.6
88	18.7	14.6	22.0

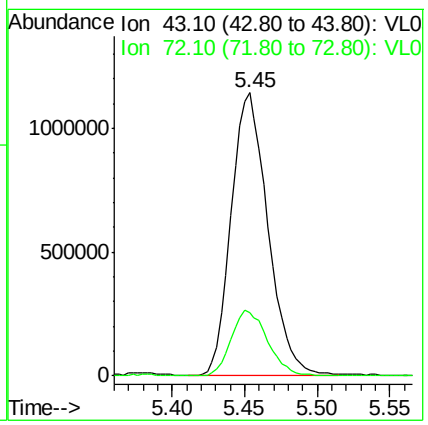


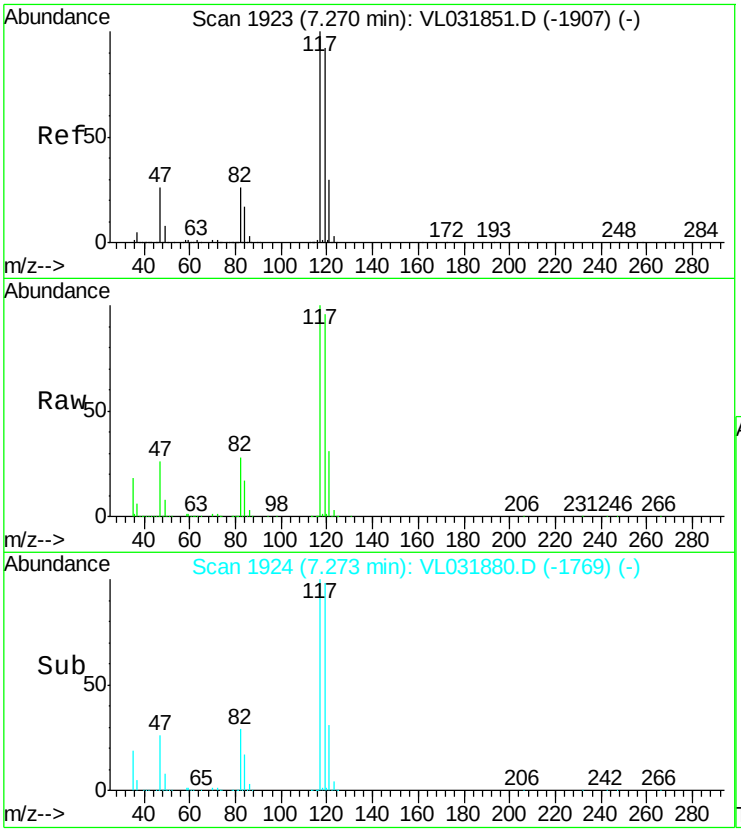


#34
2-Butanone
Concen: 9.81 ppbv
RT: 5.45 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 43 Resp: 2003152

Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.6	27.8



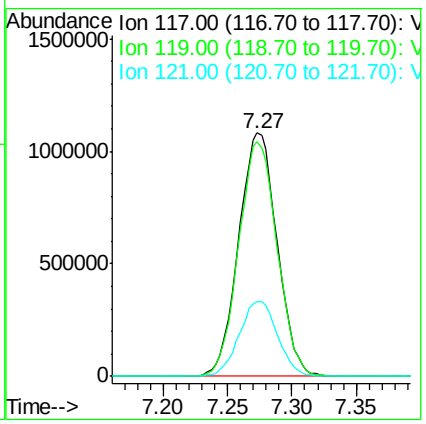


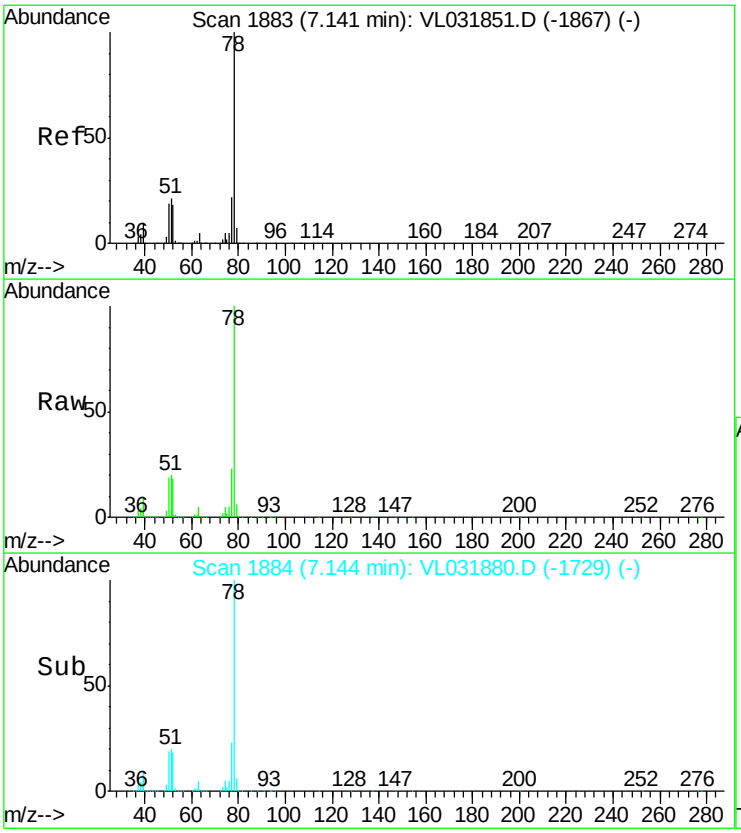
#35
Carbon Tetrachloride
Concen: 8.78 ppbv
RT: 7.27 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:117 Resp: 2244569

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.9	115.3
121	30.8	24.5	36.7

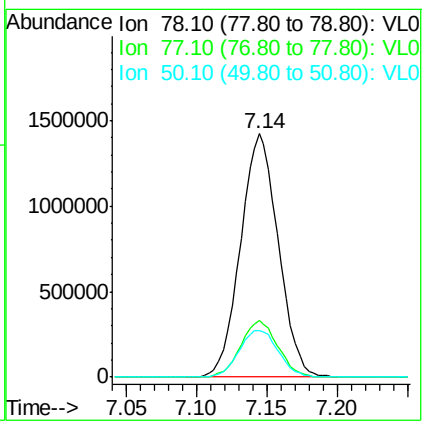


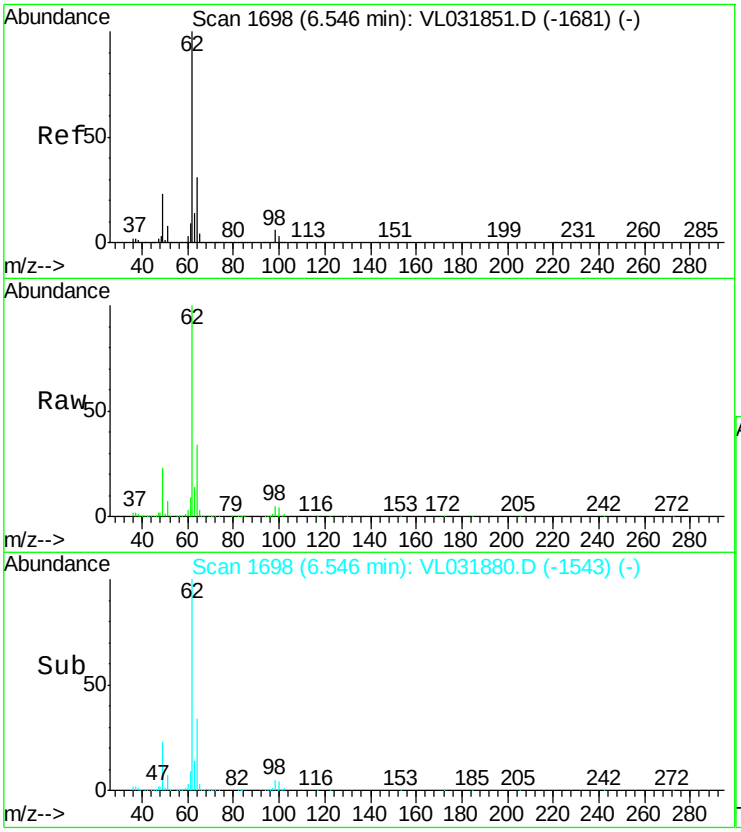


#36
Benzene
Concen: 10.06 ppbv
RT: 7.14 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 78 Resp: 2663396

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8
50	18.9	16.7	25.1



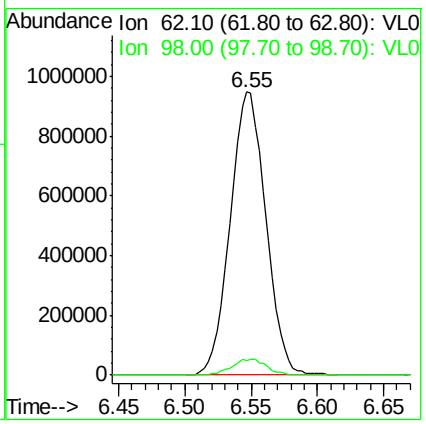


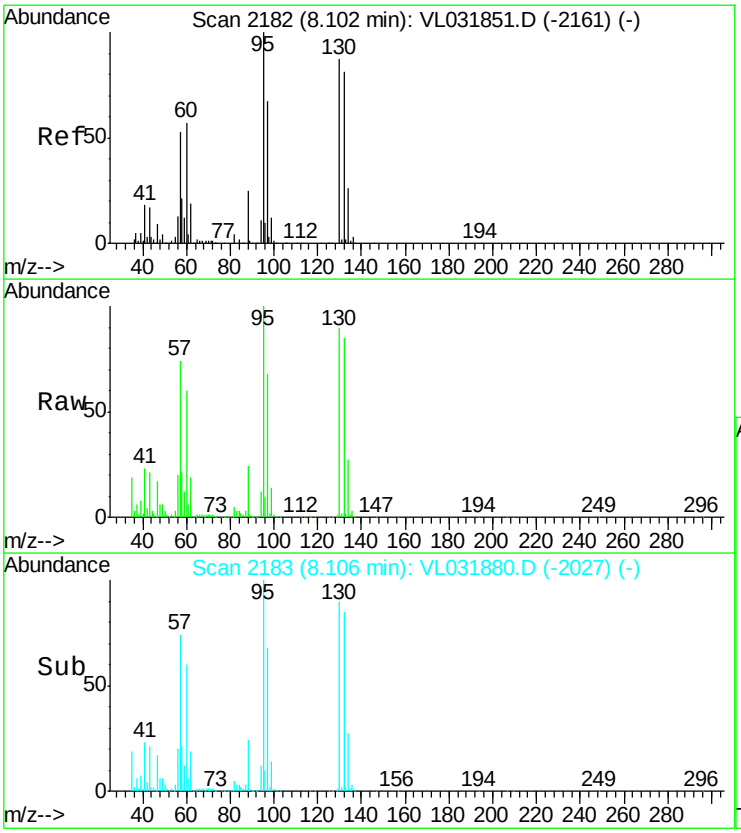
#37
1,2-Dichloroethane
Concen: 8.94 ppbv
RT: 6.55 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 62 Resp: 1761523

Ion	Ratio	Lower	Upper
62	100		
98	5.6	4.0	6.0

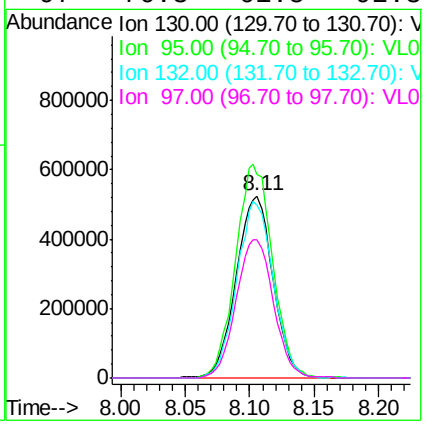


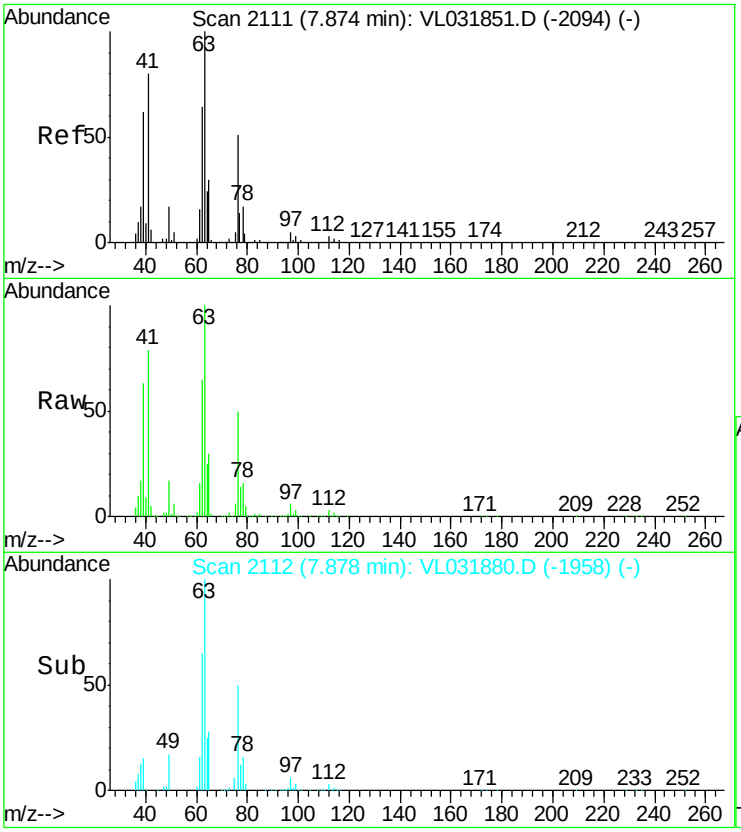


#38
Trichloroethene
Concen: 9.61 ppbv
RT: 8.11 min Scan# 2183
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion:130 Resp: 1032957

Ion	Ratio	Lower	Upper
130	100		
95	111.7	96.6	144.8
132	94.7	79.1	118.7
97	76.3	61.5	92.3



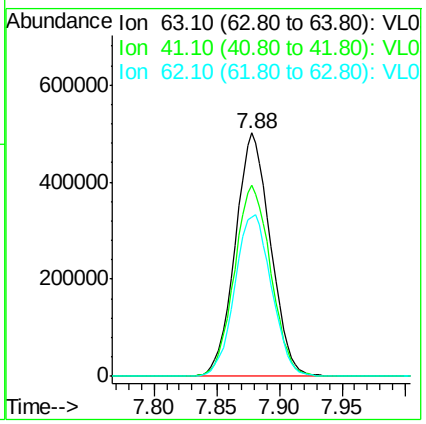


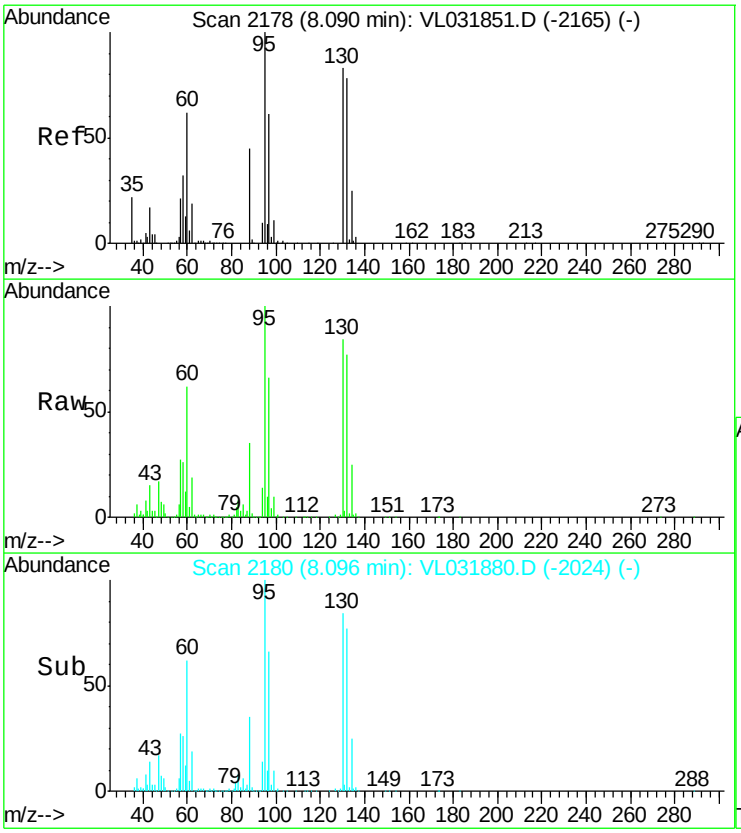
#39
1,2-Dichloropropane
Concen: 9.96 ppbv
RT: 7.88 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 63 Resp: 979952

Ion	Ratio	Lower	Upper
63	100		
41	78.6	65.8	98.6
62	65.2	55.0	82.6

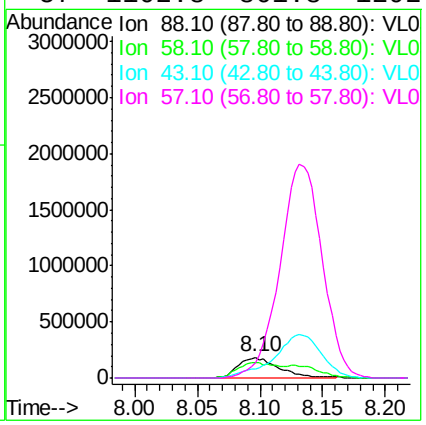


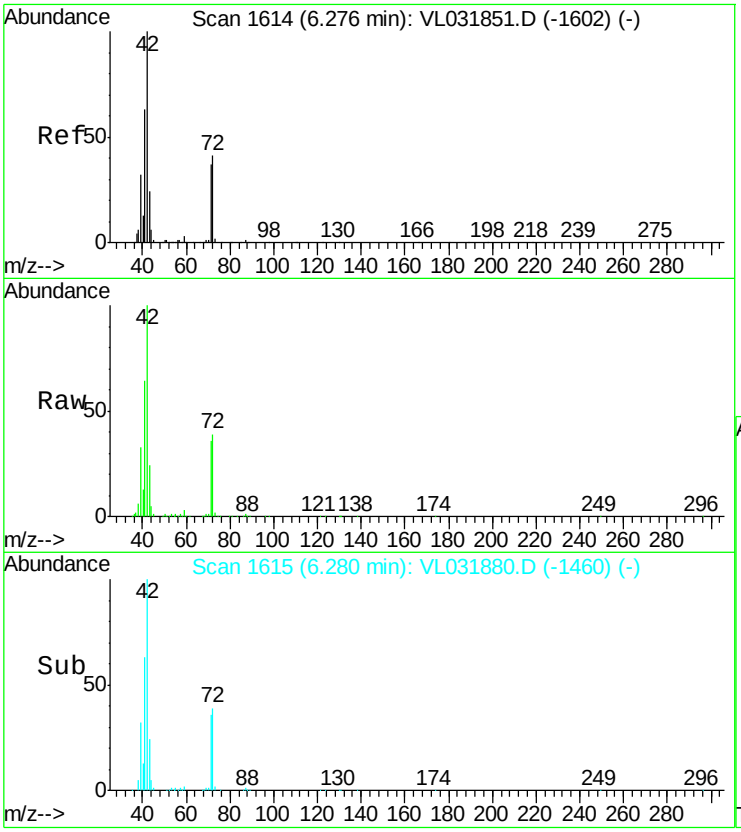


#40
1,4-Dioxane
Concen: 10.23 ppbv
RT: 8.10 min Scan# 2180
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 88 Resp: 408872

Ion	Ratio	Lower	Upper
88	100		
58	124.6	98.5	147.7
43	250.6	194.3	291.5
57	1102.8	861.8	1292.6



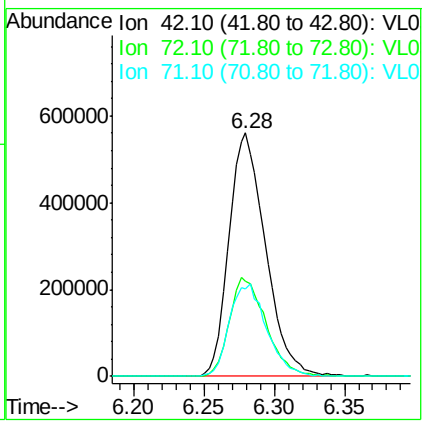


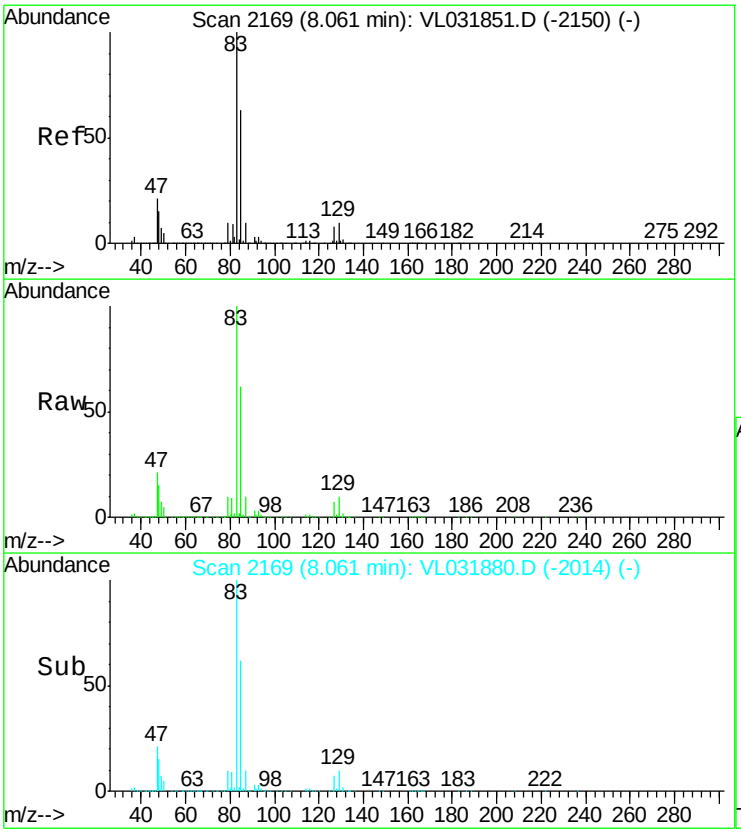
#41
Tetrahydrofuran
Concen: 10.77 ppbv
RT: 6.28 min Scan# 1615
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 42 Resp: 1018015

Ion	Ratio	Lower	Upper
42	100		
72	40.6	33.2	49.8
71	38.7	31.5	47.3

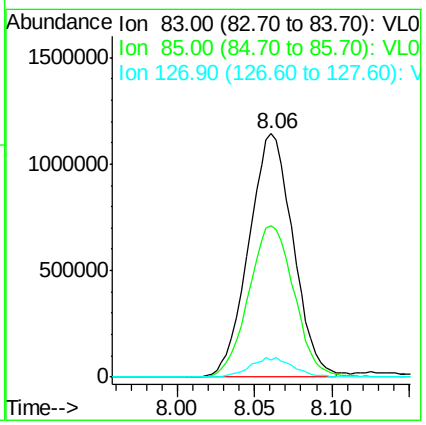


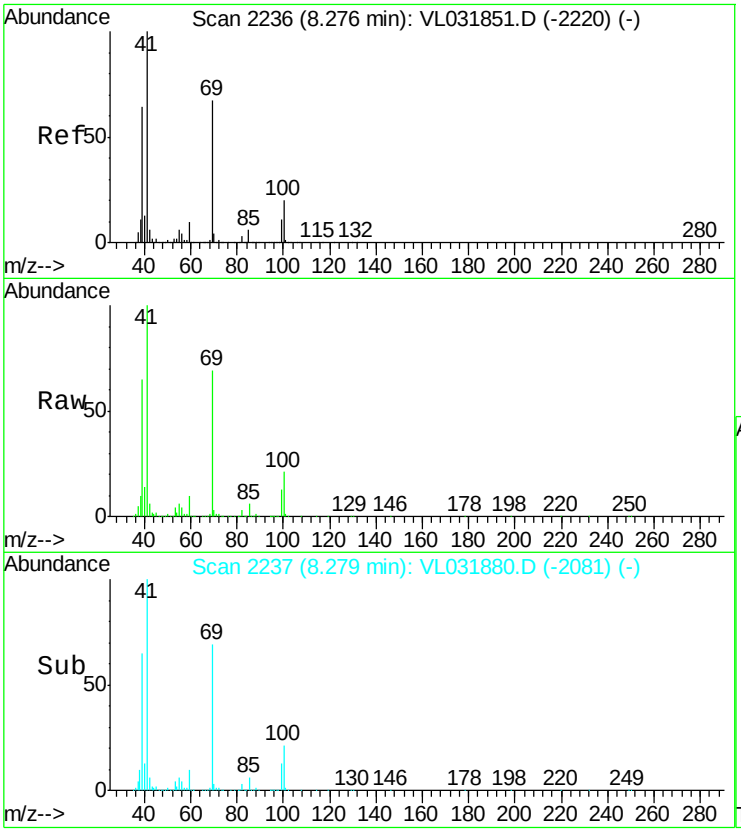


#42
Bromodichloromethane
Concen: 9.66 ppbv
RT: 8.06 min Scan# 2169
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 83 Resp: 2277092

Ion	Ratio	Lower	Upper
83	100		
85	62.0	50.5	75.7
127	7.2	6.0	9.0



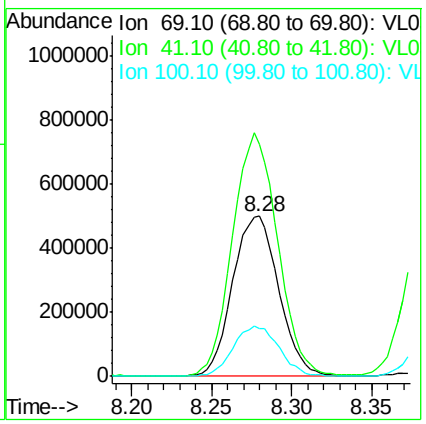


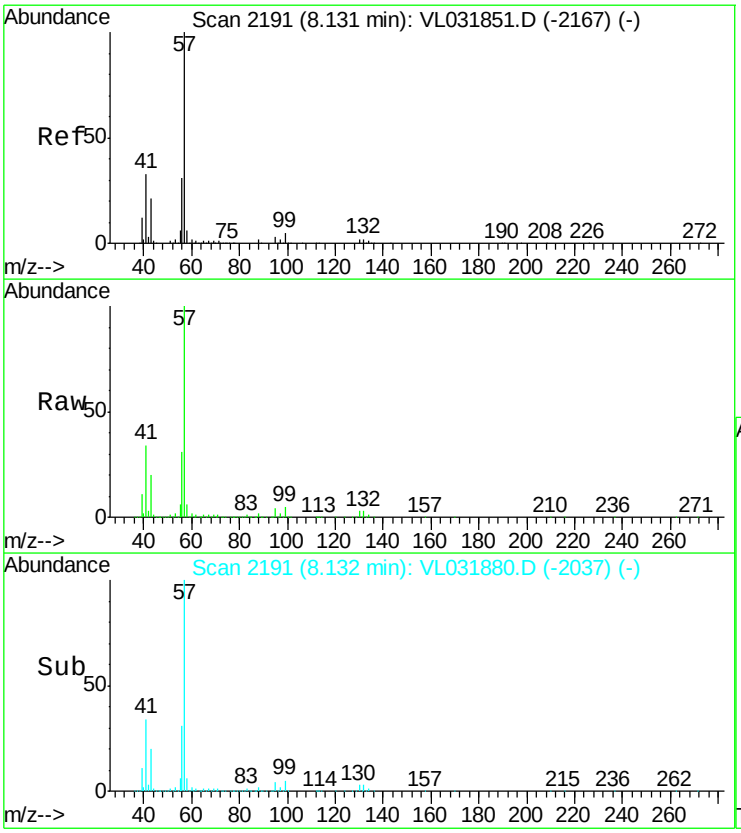
#43
Methyl Methacrylate
Concen: 10.54 ppbv
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 69 Resp: 981835

Ion	Ratio	Lower	Upper
69	100		
41	149.4	117.8	176.8
100	31.6	24.6	37.0

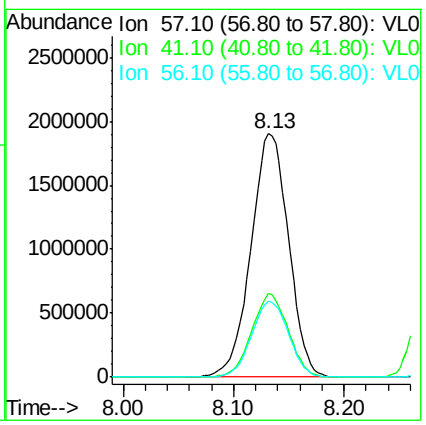


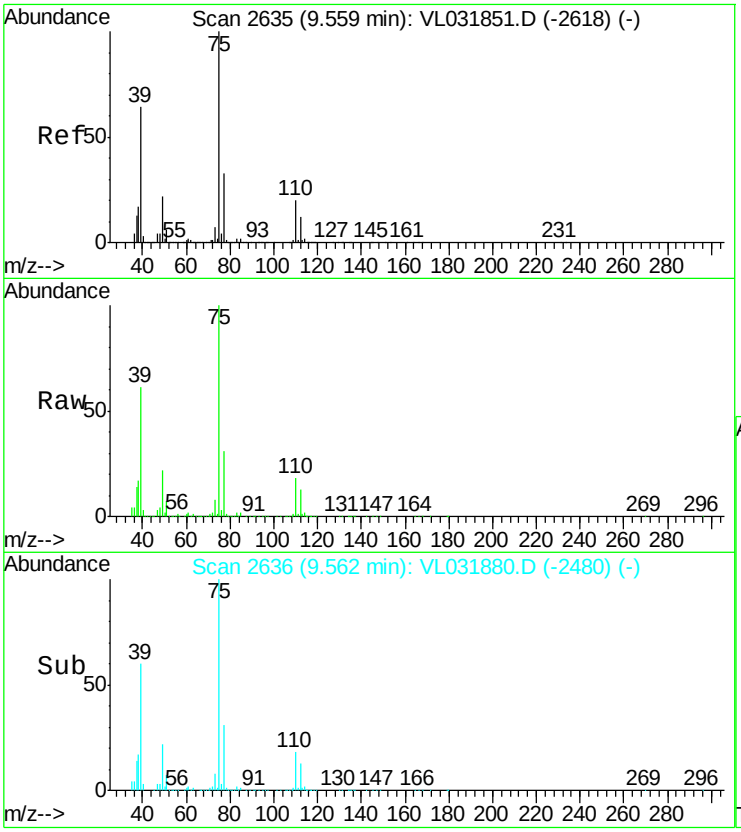


#44
2,2,4-Trimethylpentane
Concen: 9.87 ppbv
RT: 8.13 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 57 Resp: 4501454

Ion	Ratio	Lower	Upper
57	100		
41	33.2	27.0	40.6
56	30.7	24.1	36.1



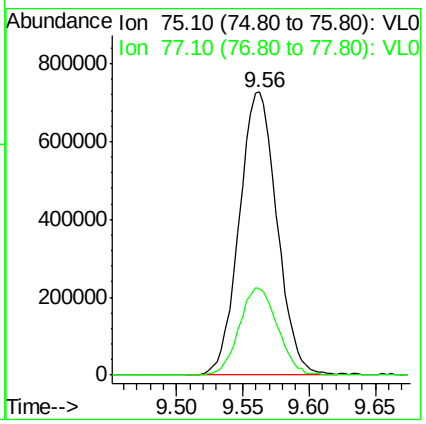


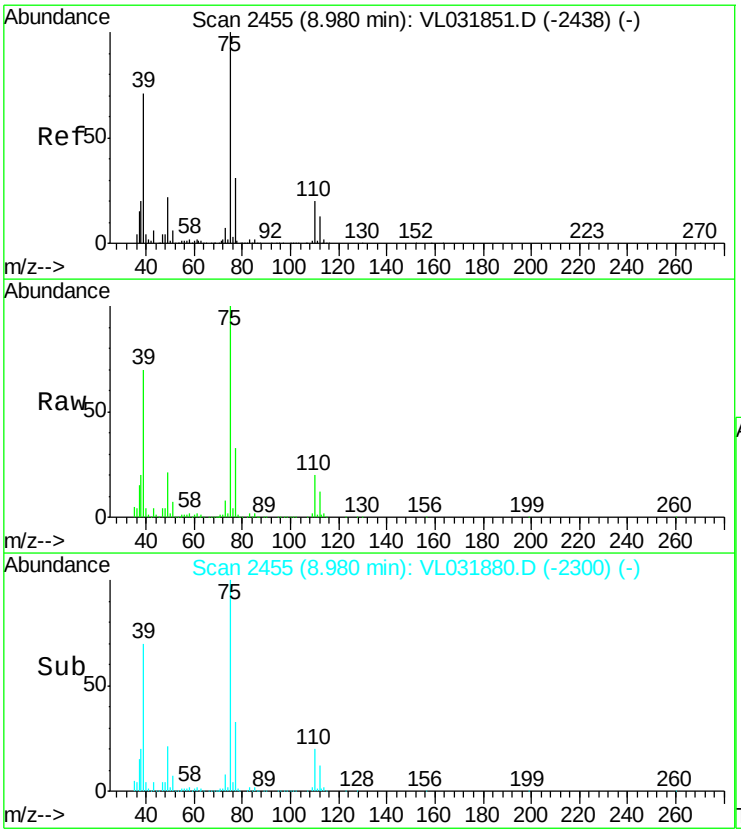
#45
t-1,3-Dichloropropene
Concen: 11.90 ppbv
RT: 9.56 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 75 Resp: 1437554

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.1	37.7

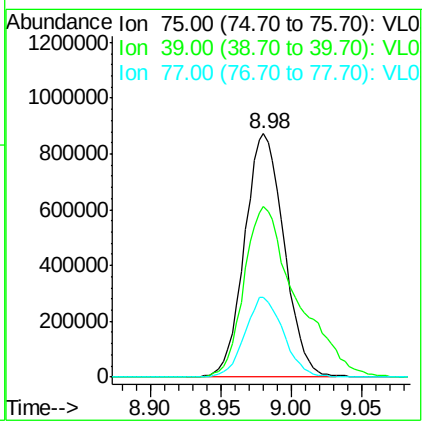


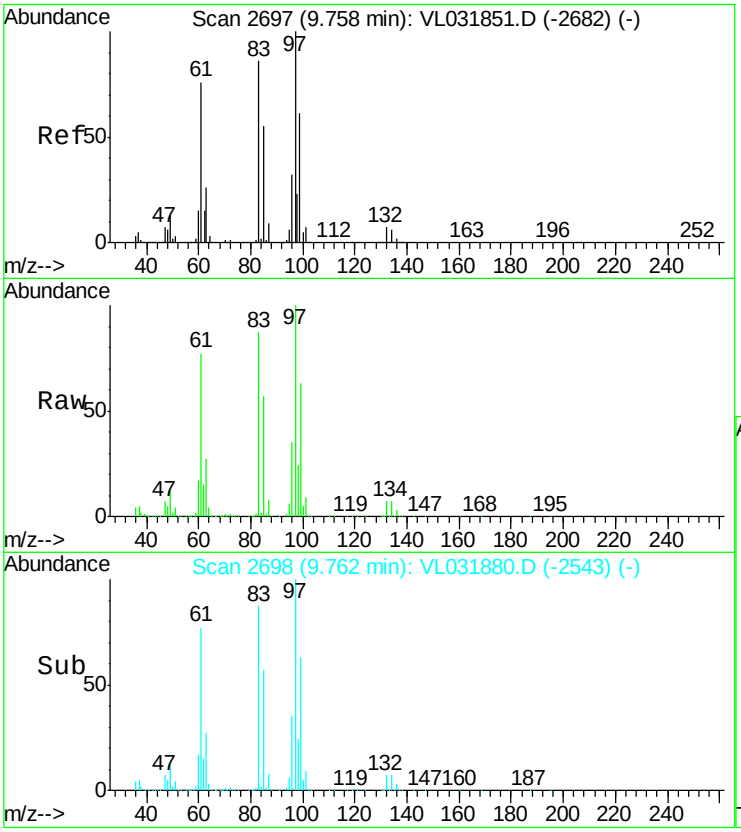


#46
cis-1,3-Dichloropropene
Concen: 11.05 ppbv
RT: 8.98 min Scan# 2455
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 75 Resp: 1707018

Ion	Ratio	Lower	Upper
75	100		
39	70.2	58.6	87.8
77	32.8	26.8	40.2



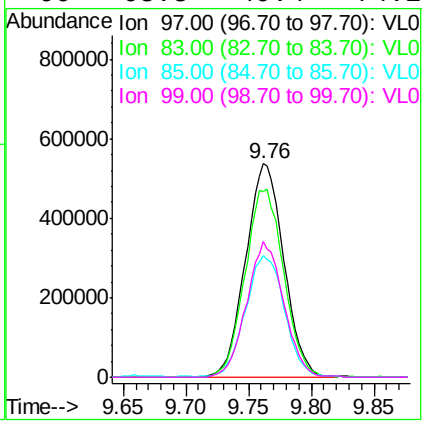


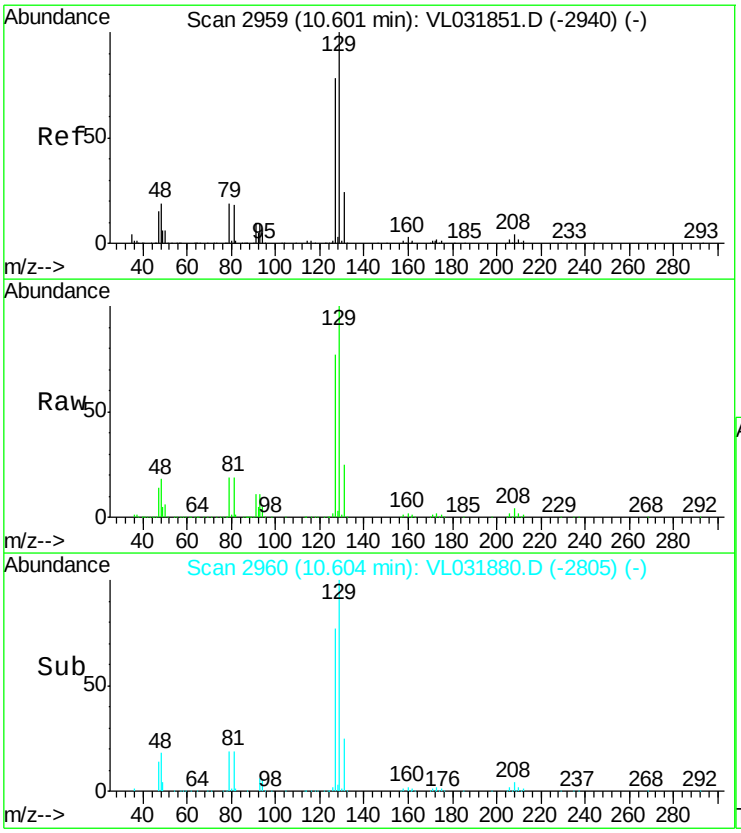
#47
1,1,2-Trichloroethane
Concen: 9.76 ppbv
RT: 9.76 min Scan# 2698
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 97 Resp: 1141173

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.1	103.7
85	56.8	43.7	65.5
99	63.3	49.4	74.2

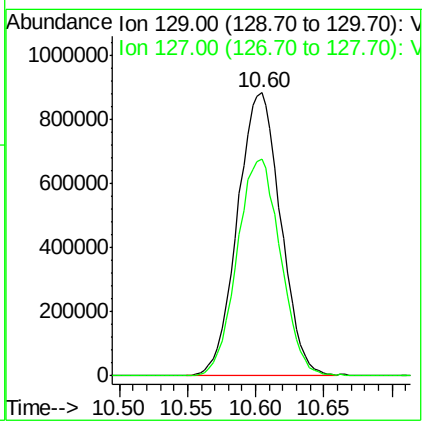


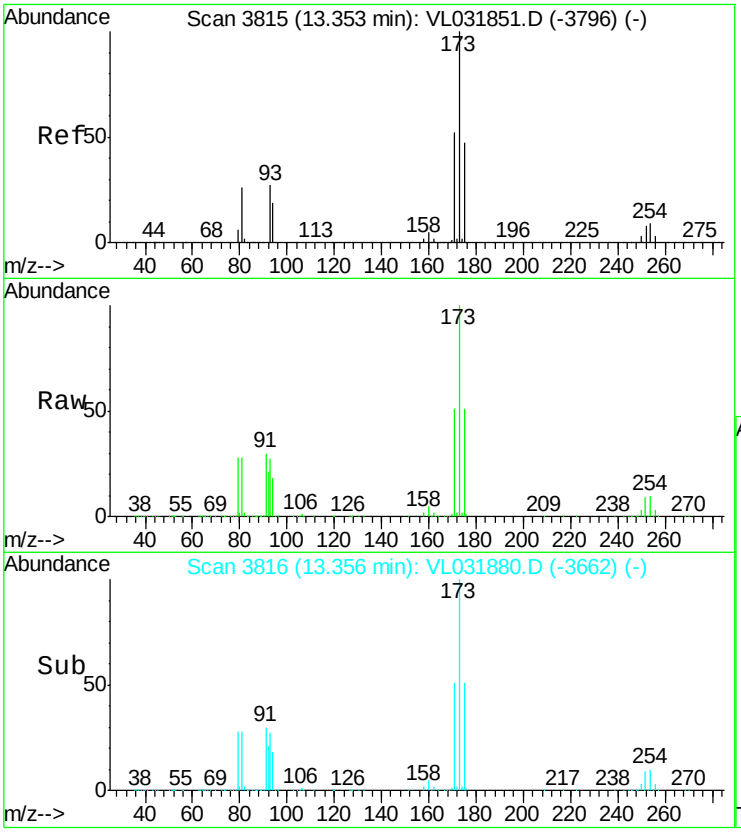


#48
Dibromochloromethane
Concen: 10.27 ppbv
RT: 10.60 min Scan# 2960
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion:129 Resp: 1940633

Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.1	117.5



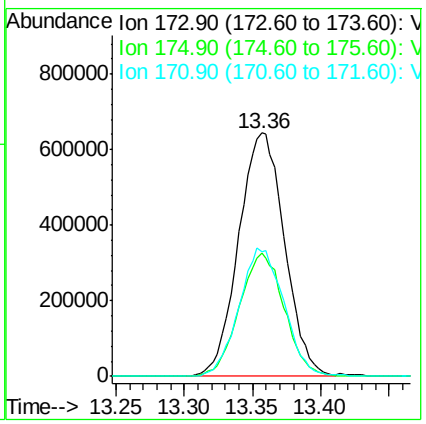


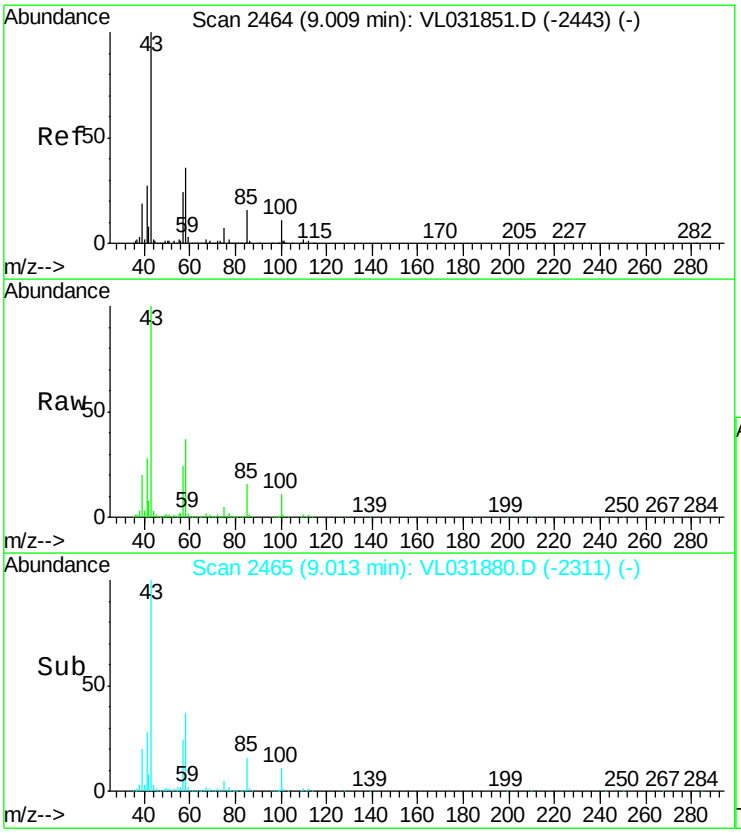
#49
Bromoform
Concen: 10.31 ppbv
RT: 13.36 min Scan# 3816
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:173 Resp: 1500472

Ion	Ratio	Lower	Upper
173	100		
175	49.9	39.0	58.6
171	51.9	41.4	62.0

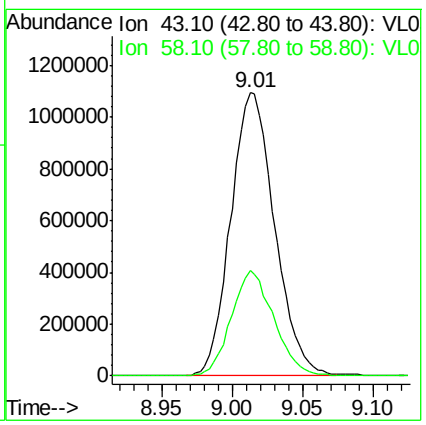


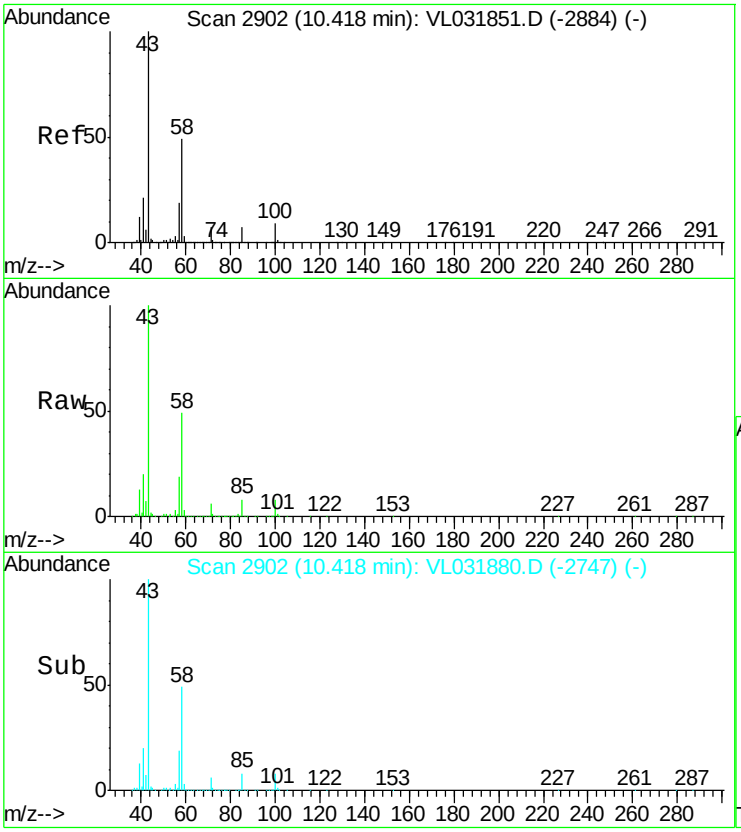


#50
4-Methyl-2-Pentanone
Concen: 10.15 ppbv
RT: 9.01 min Scan# 2465
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 43 Resp: 2372074

Ion	Ratio	Lower	Upper
43	100		
58	36.4	28.6	43.0



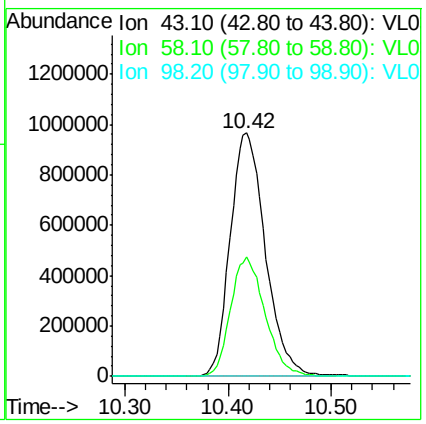


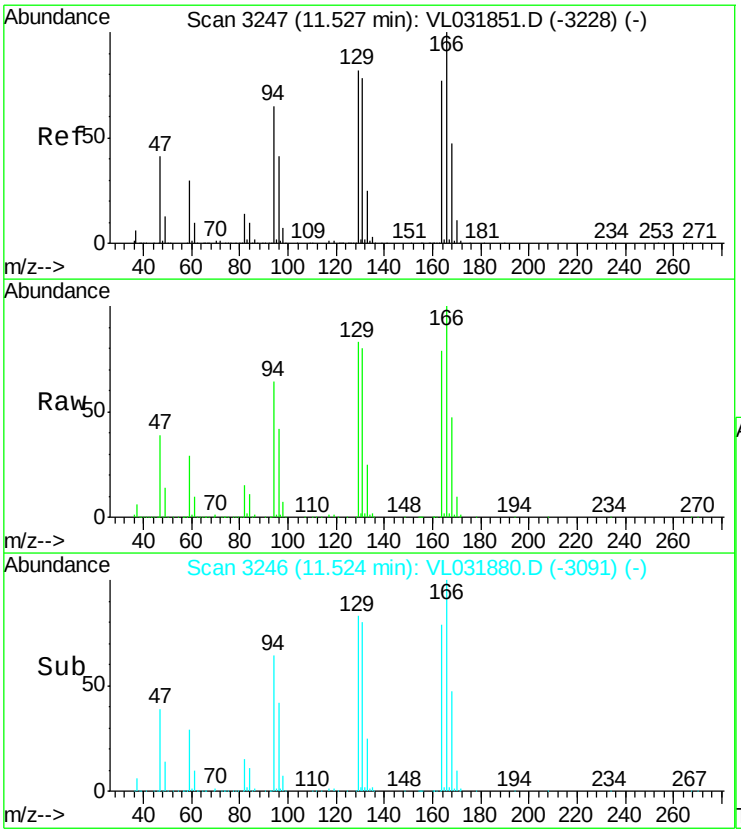
#51
2-Hexanone
Concen: 11.23 ppbv
RT: 10.42 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 2294214

Ion	Ratio	Lower	Upper
43	100		
58	48.1	38.5	57.7
98	0.4	0.2	0.4#

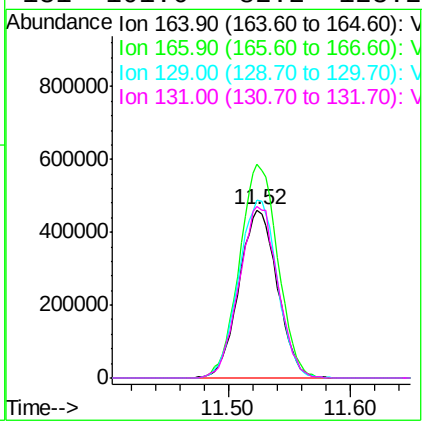


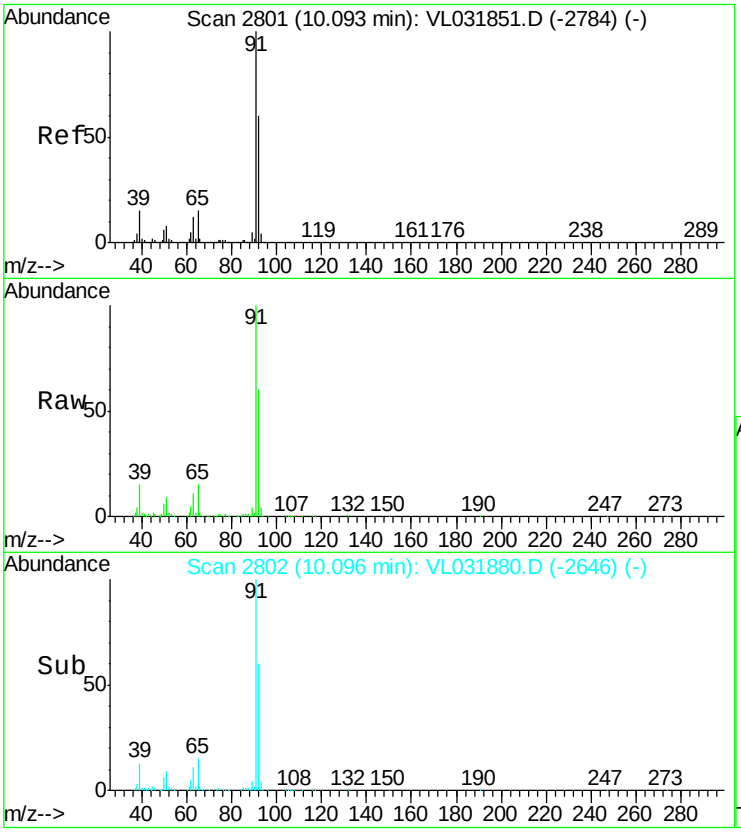


#52
Tetrachloroethene
Concen: 9.64 ppbv
RT: 11.52 min Scan# 3246
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion:164 Resp: 994920

Ion	Ratio	Lower	Upper
164	100		
166	126.9	98.2	147.4
129	105.4	86.5	129.7
131	101.6	82.2	123.2



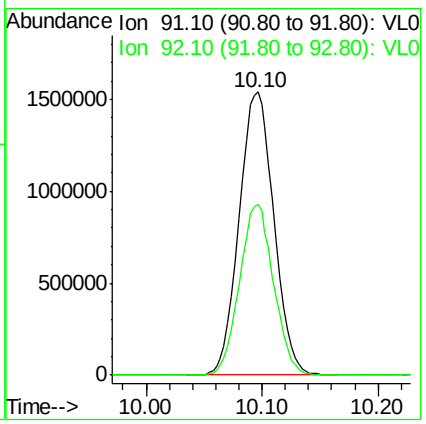


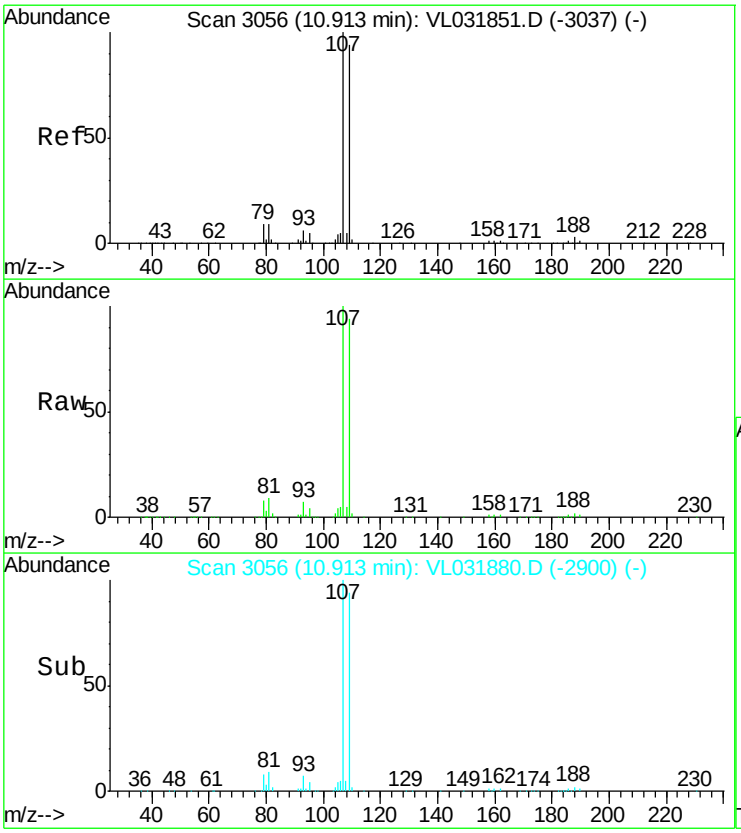
#53
Toluene
Concen: 10.85 ppbv
RT: 10.10 min Scan# 2802
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 91 Resp: 3203807

Ion	Ratio	Lower	Upper
91	100		
92	59.3	47.4	71.2

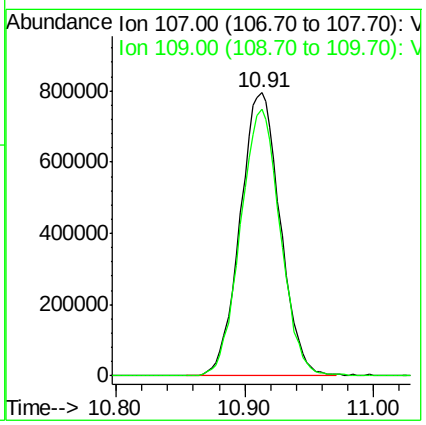


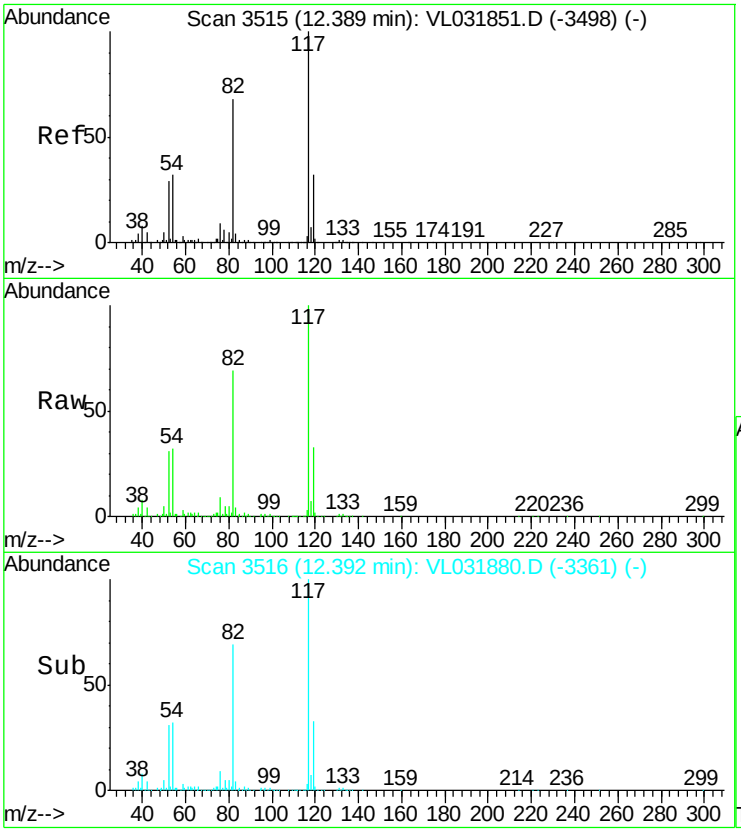


#54
1,2-Dibromoethane
Concen: 10.11 ppbv
RT: 10.91 min Scan# 3056
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion:107 Resp: 1717397

Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.6	112.0



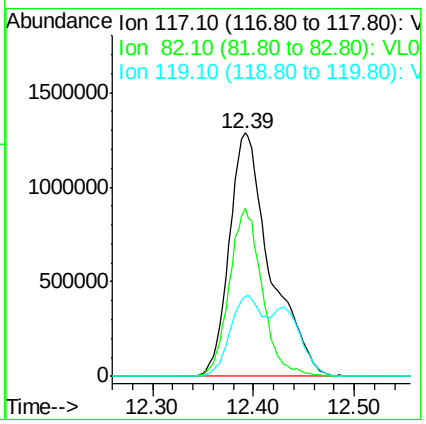


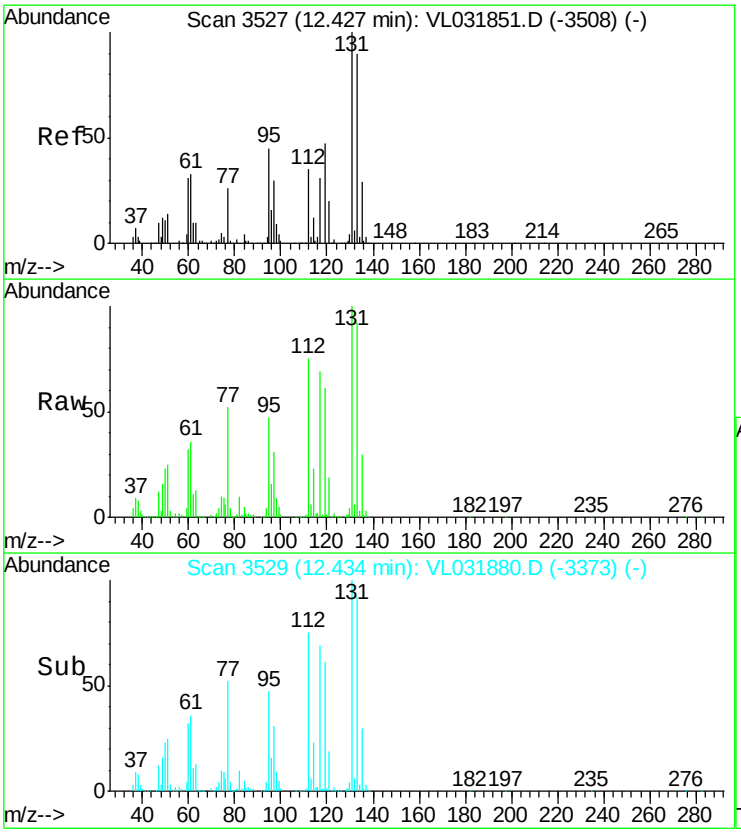
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3516
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:117 Resp: 3650860

Ion	Ratio	Lower	Upper
117	100		
82	55.2	54.6	81.8
119	46.8	26.0	39.0#

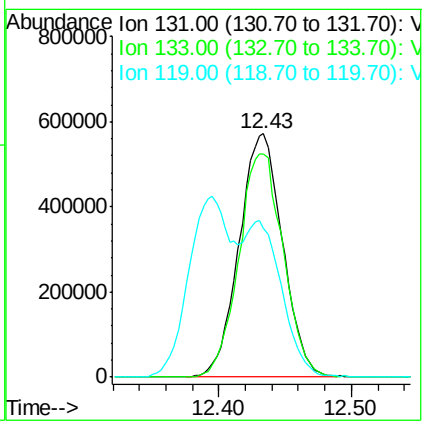


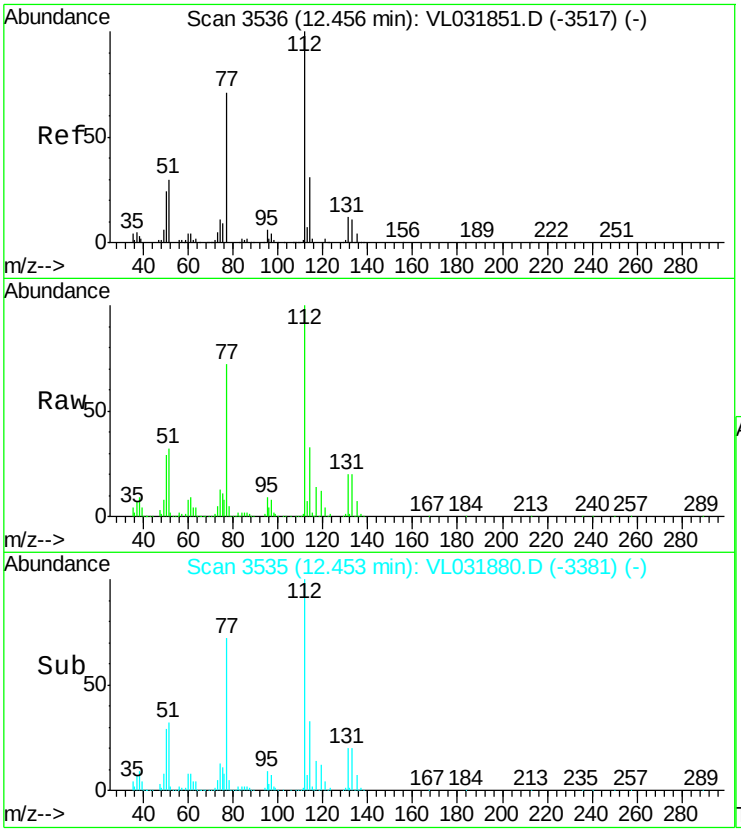


#56
1,1,1,2-Tetrachloroethane
Concen: 7.56 ppbv
RT: 12.43 min Scan# 3529
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion:131 Resp: 1298983

Ion	Ratio	Lower	Upper
131	100		
133	94.3	76.1	114.1
119	131.4	106.3	159.5



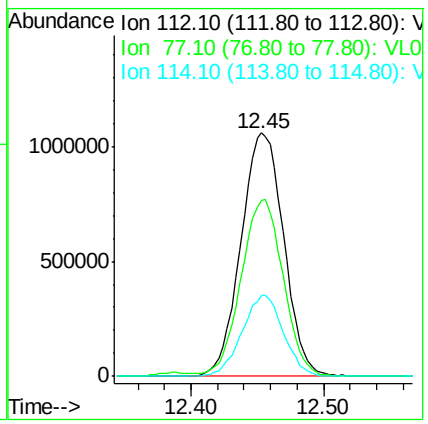


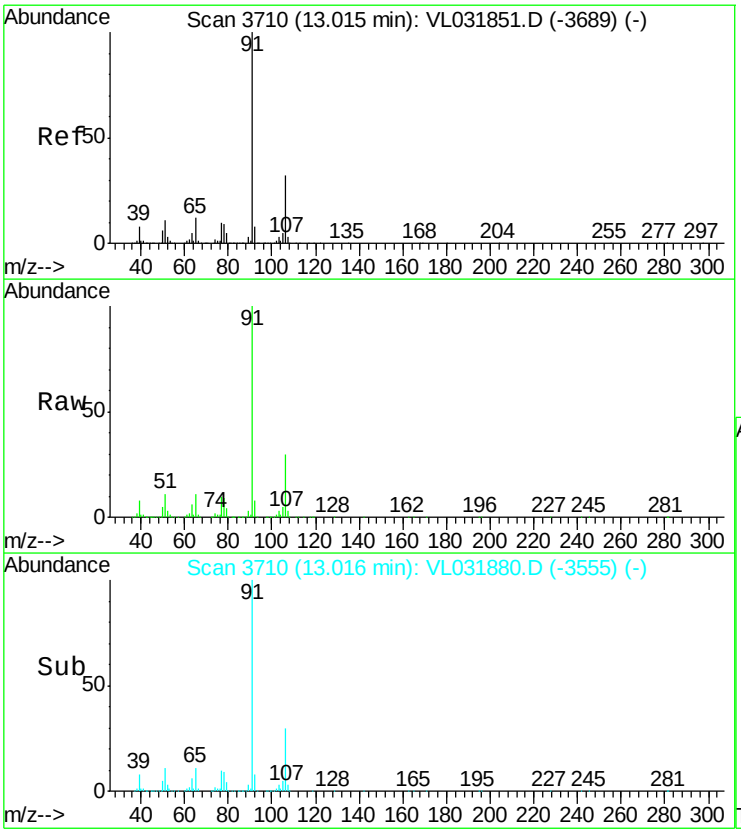
#57
Chlorobenzene
Concen: 7.63 ppbv
RT: 12.45 min Scan# 3535
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:112 Resp: 2361629

Ion	Ratio	Lower	Upper
112	100		
77	71.9	57.0	85.6
114	33.4	28.5	34.9

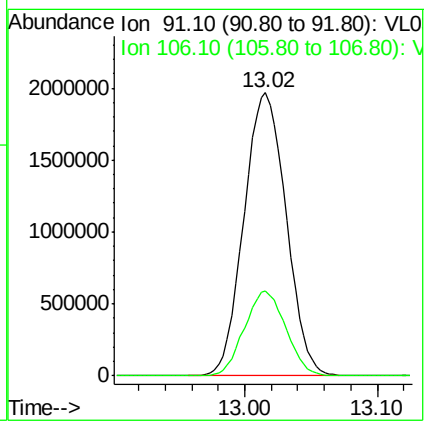


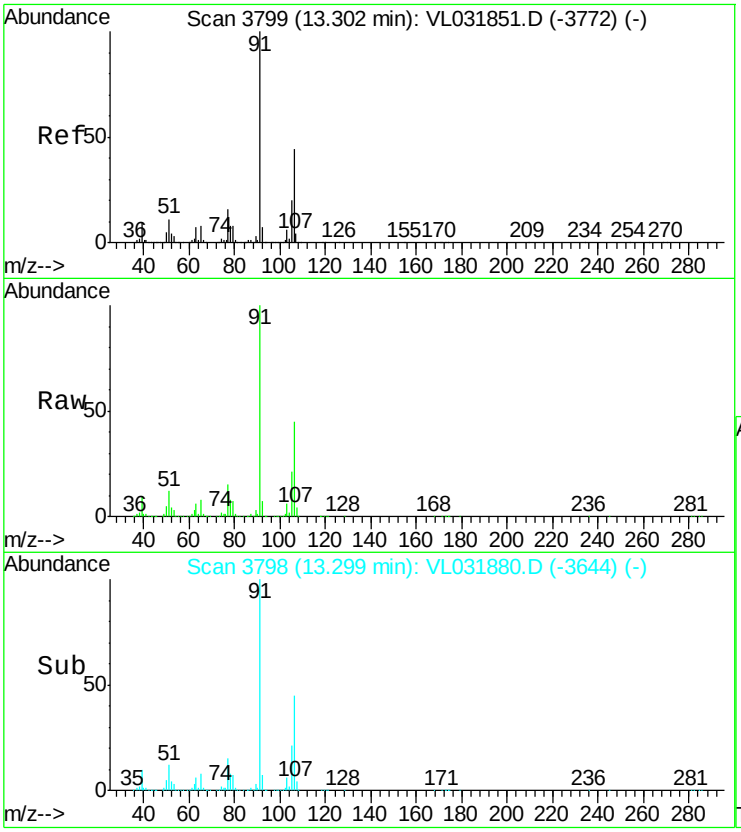


#58
Ethyl Benzene
Concen: 8.58 ppbv
RT: 13.02 min Scan# 3710
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 91 Resp: 4350208

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.8	35.6



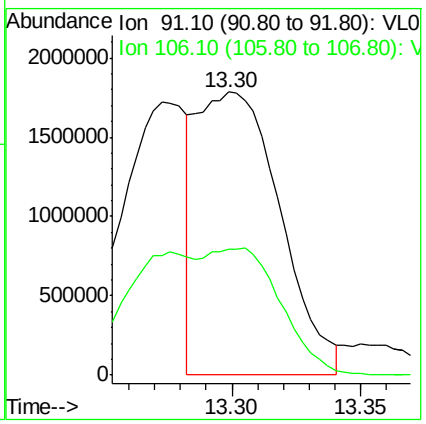


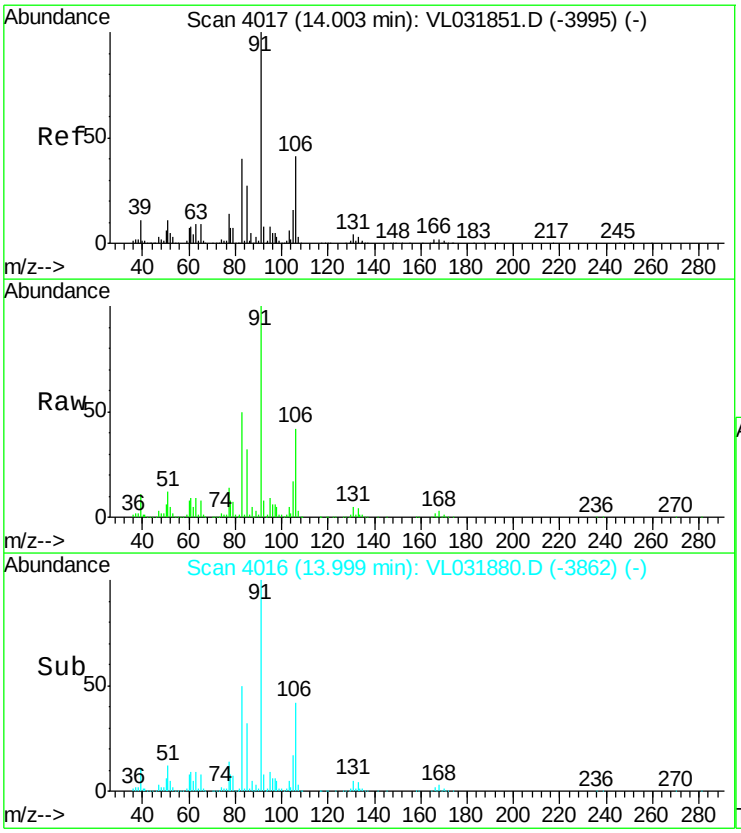
#59
m/p-Xylene
Concen: 9.05 ppbv
RT: 13.30 min Scan# 3798
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 91 Resp: 3985458

Ion	Ratio	Lower	Upper
91	100		
106	79.4	35.5	53.3#

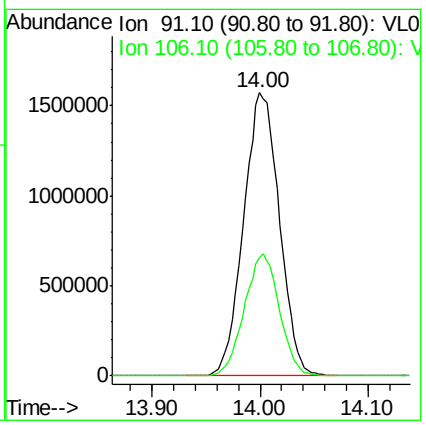


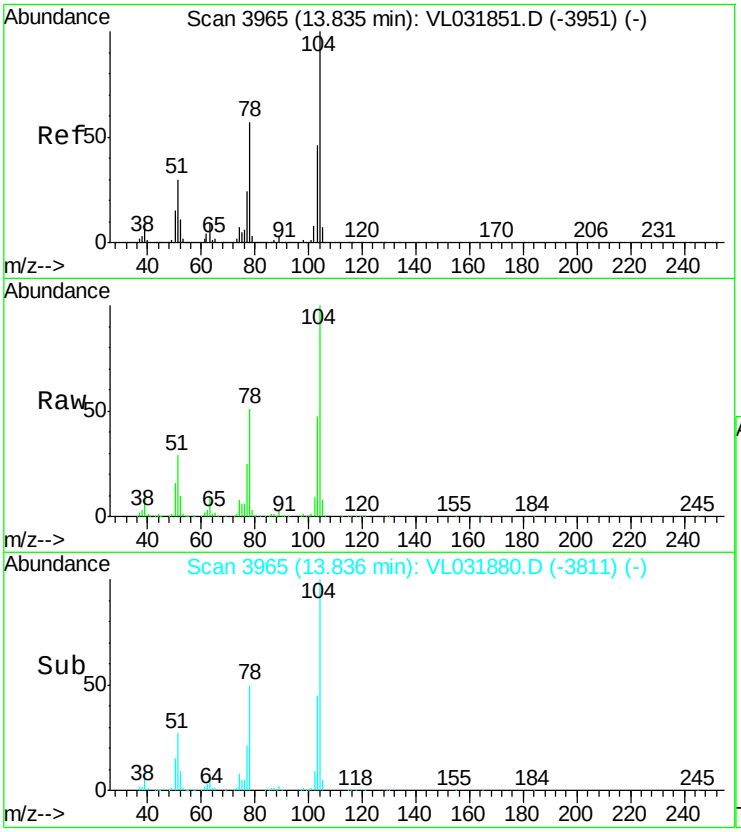


#60
o-Xylene
Concen: 8.23 ppbv
RT: 14.00 min Scan# 4016
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 91 Resp: 3621818

Ion	Ratio	Lower	Upper
91	100		
106	42.2	21.3	63.9



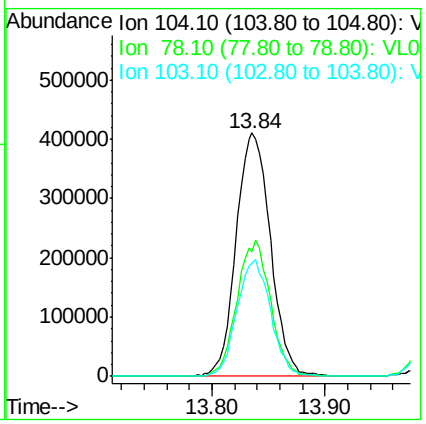


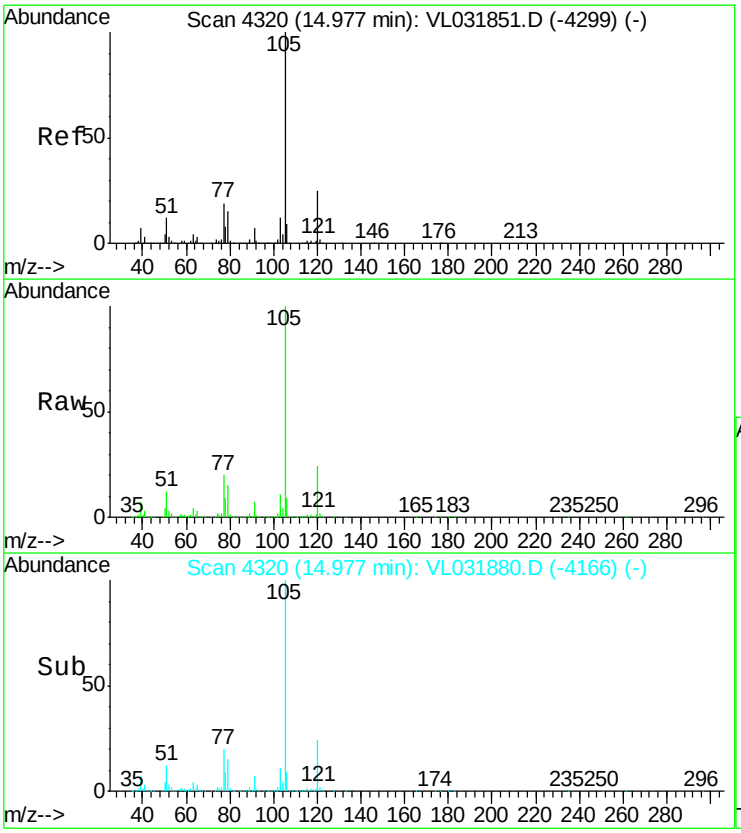
#61
Styrene
Concen: 10.34 ppbv
RT: 13.84 min Scan# 3965
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:104 Resp: 866526

Ion	Ratio	Lower	Upper
104	100		
78	54.6	44.4	66.6
103	47.1	37.9	56.9

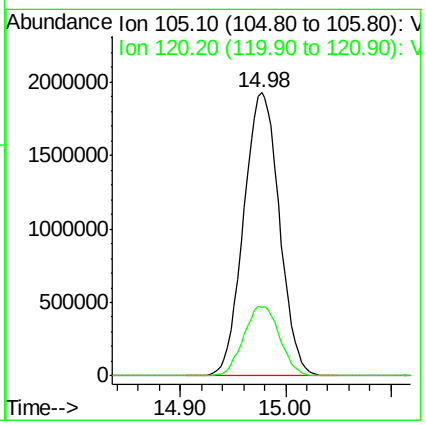


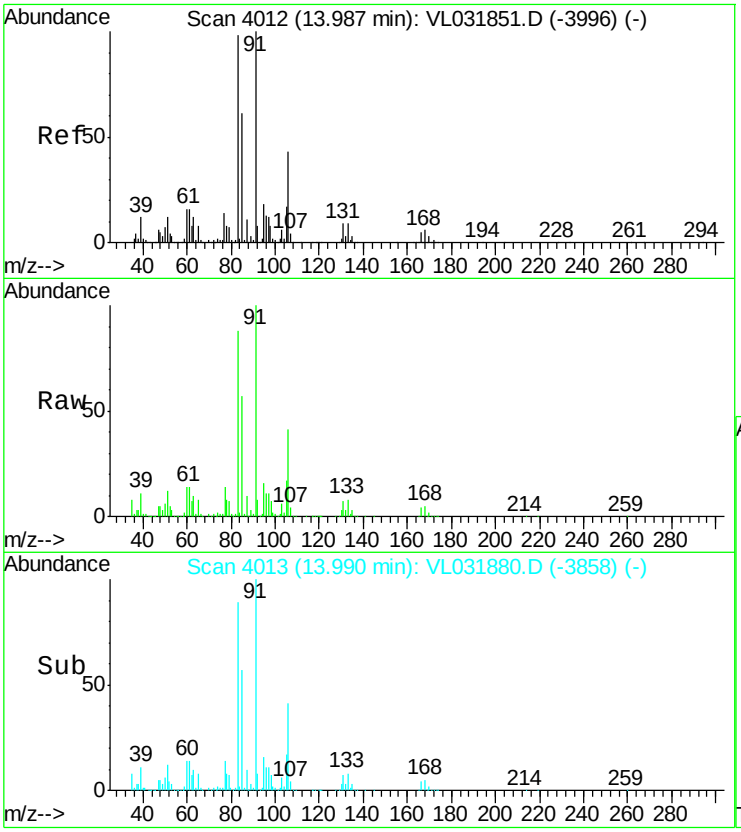


#62
Isopropylbenzene
Concen: 8.03 ppbv
RT: 14.98 min Scan# 4320
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion:105 Resp: 4539156

Ion	Ratio	Lower	Upper
105	100		
120	24.9	19.4	29.2



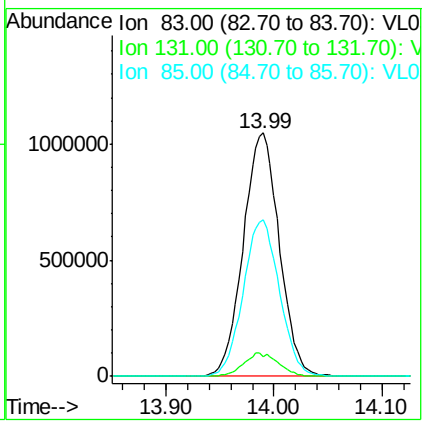


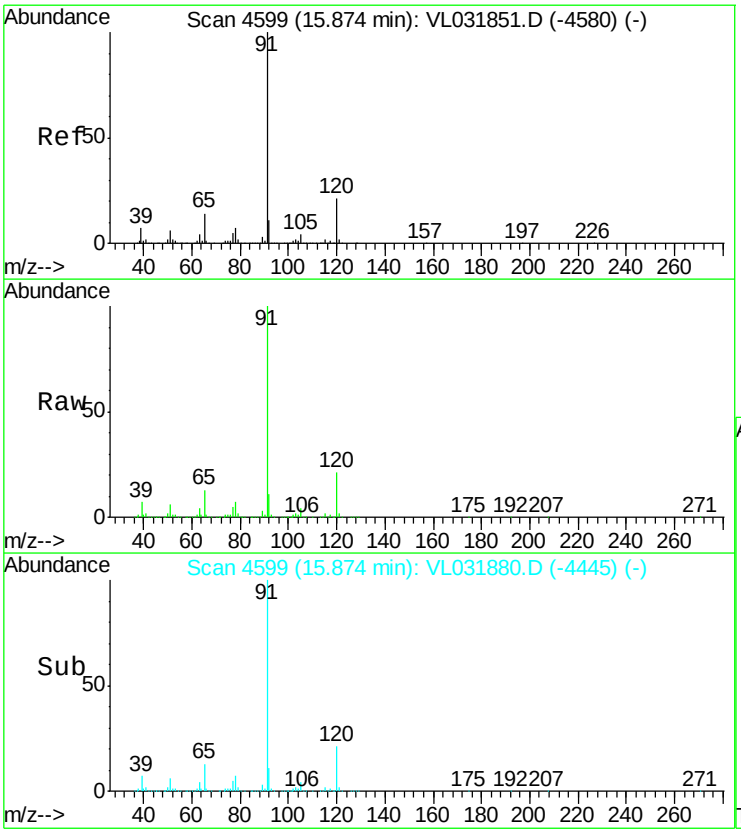
#63
1,1,2,2-Tetrachloroethane
Concen: 7.20 ppbv
RT: 13.99 min Scan# 4013
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 83 Resp: 2437522

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.9	14.6
85	64.4	32.2	96.6

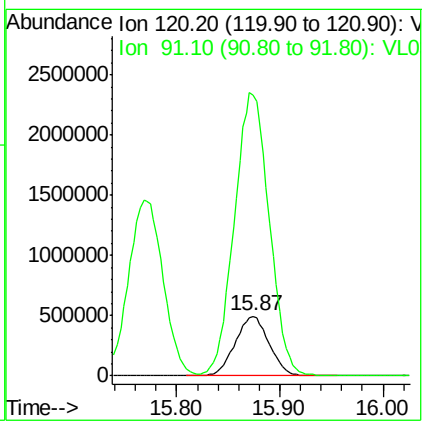


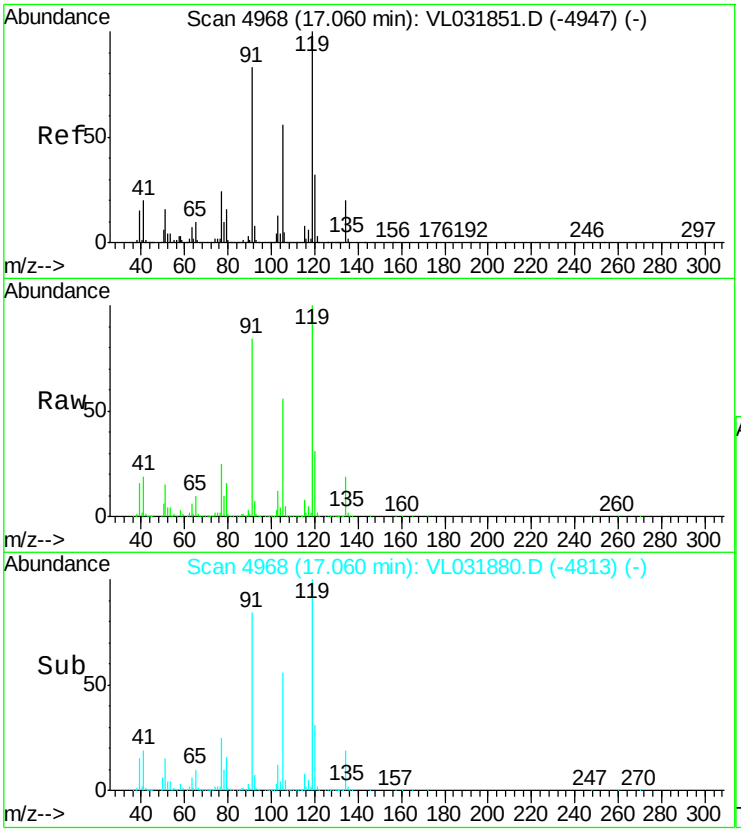


#64
n-propylbenzene
Concen: 8.21 ppbv
RT: 15.87 min Scan# 4599
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion:120 Resp: 1128276

Ion	Ratio	Lower	Upper
120	100		
91	491.0	393.7	590.5



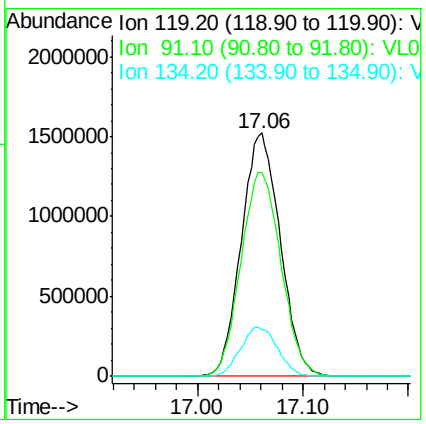


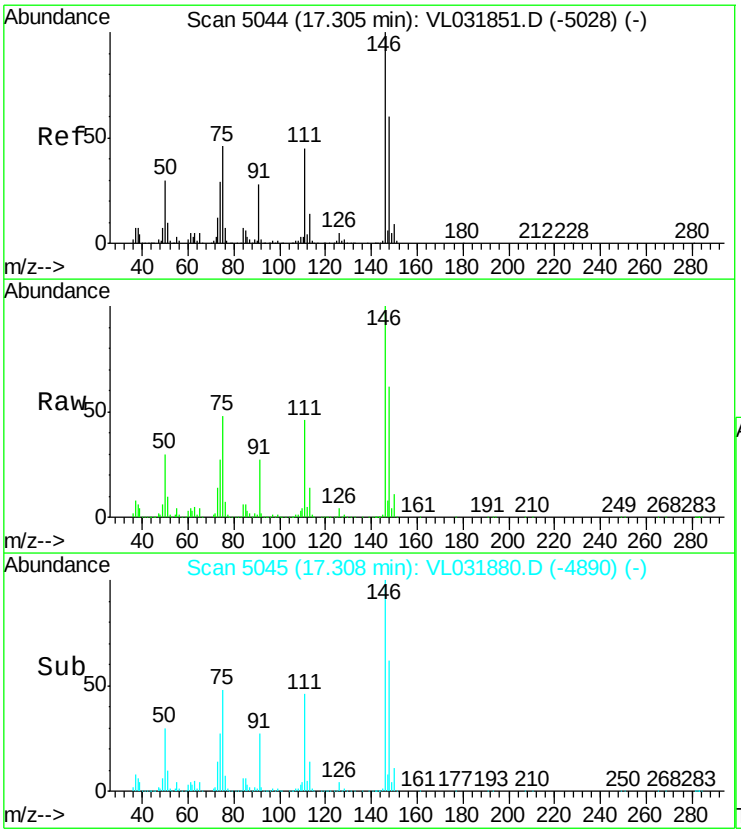
#65
tert-Butylbenzene
Concen: 8.04 ppbv
RT: 17.06 min Scan# 4968
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:119 Resp: 3910677

Ion	Ratio	Lower	Upper
119	100		
91	86.4	69.4	104.0
134	19.4	15.4	23.2

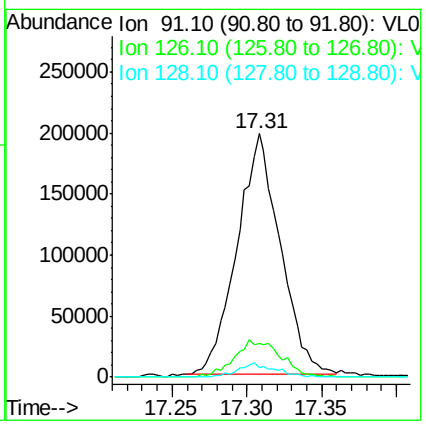


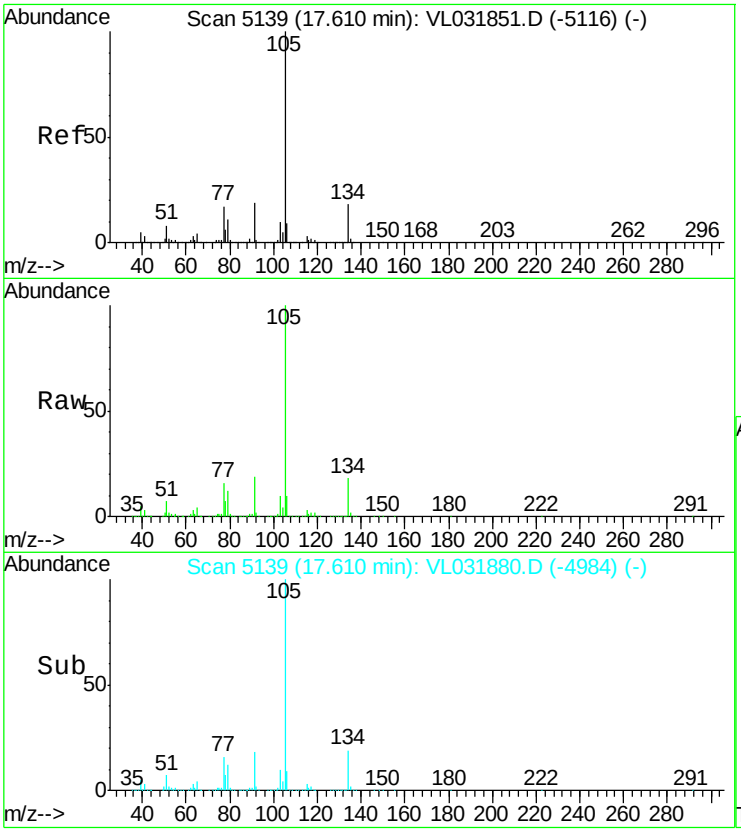


#66
Benzyl Chloride
Concen: 9.11 ppbv
RT: 17.31 min Scan# 5045
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 91 Resp: 399008

Ion	Ratio	Lower	Upper
91	100		
126	16.8	12.6	19.0
128	5.4	4.0	6.0



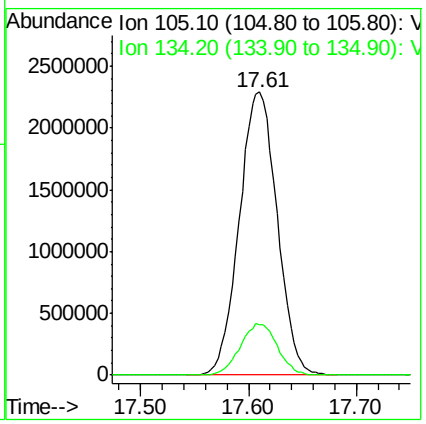


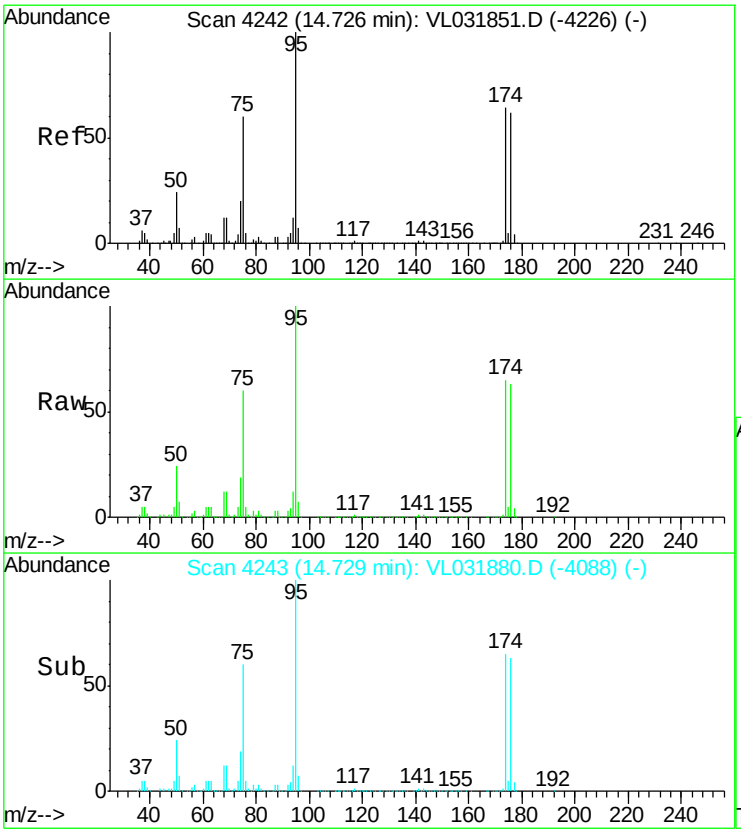
#67
sec-Butylbenzene
Concen: 7.97 ppbv
RT: 17.61 min Scan# 5139
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:105 Resp: 5579120

Ion	Ratio	Lower	Upper
105	100		
134	17.9	14.2	21.2

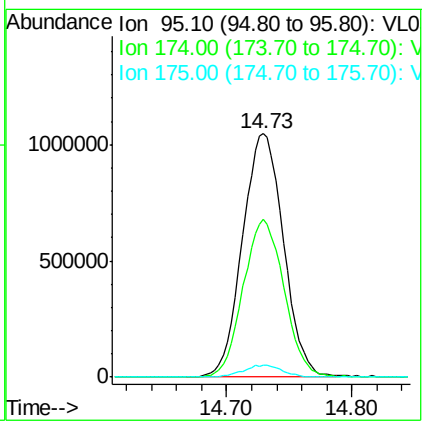


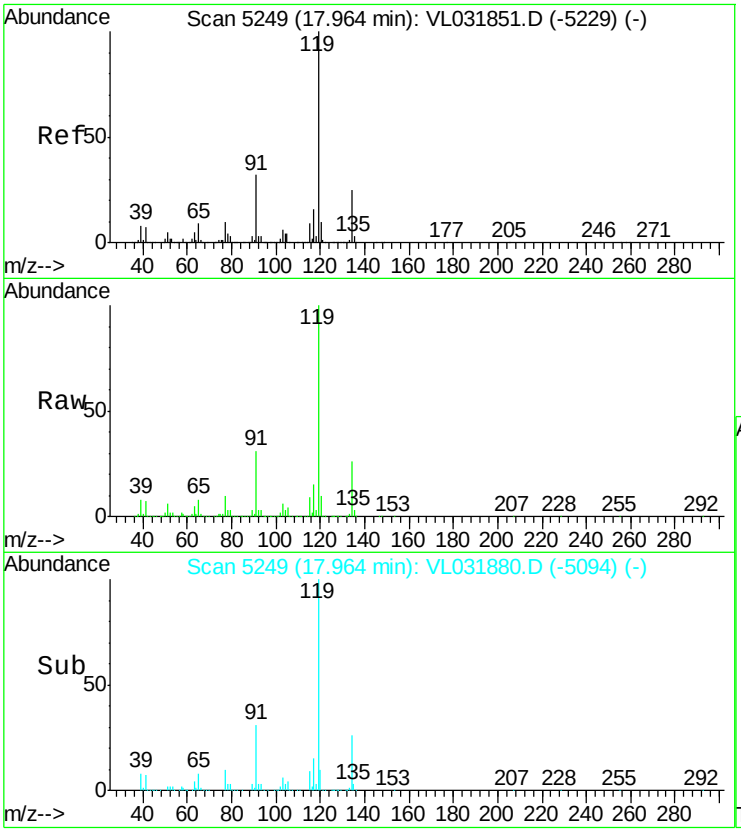


#68
1-Bromo-4-Fluorobenzene
Concen: 8.11 ppbv
RT: 14.73 min Scan# 4243
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 95 Resp: 2381406

Ion	Ratio	Lower	Upper
95	100		
174	65.0	52.3	78.5
175	4.7	3.9	5.9



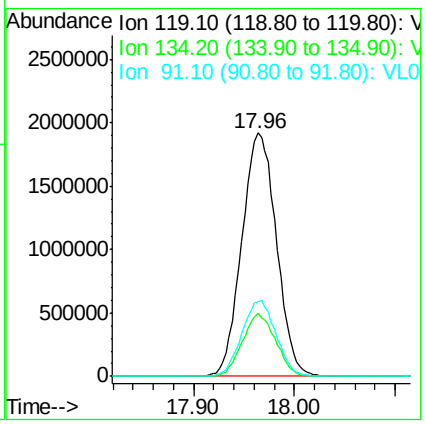


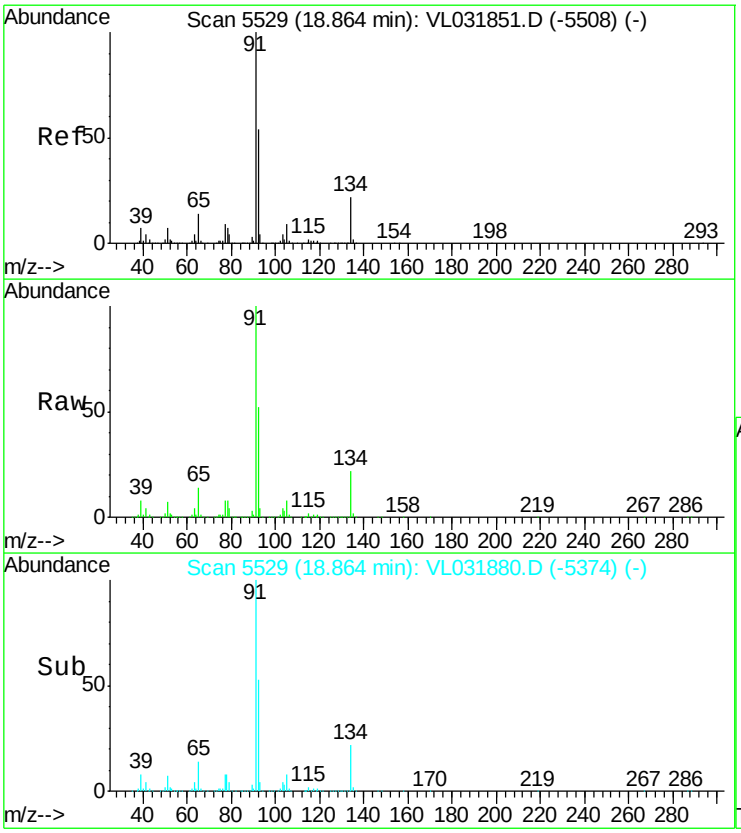
#69
p-Isopropyltoluene
Concen: 8.38 ppbv
RT: 17.96 min Scan# 5249
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:119 Resp: 4551437

Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.0	30.0
91	30.8	24.9	37.3

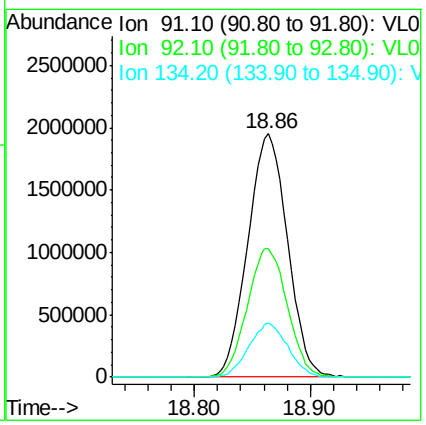


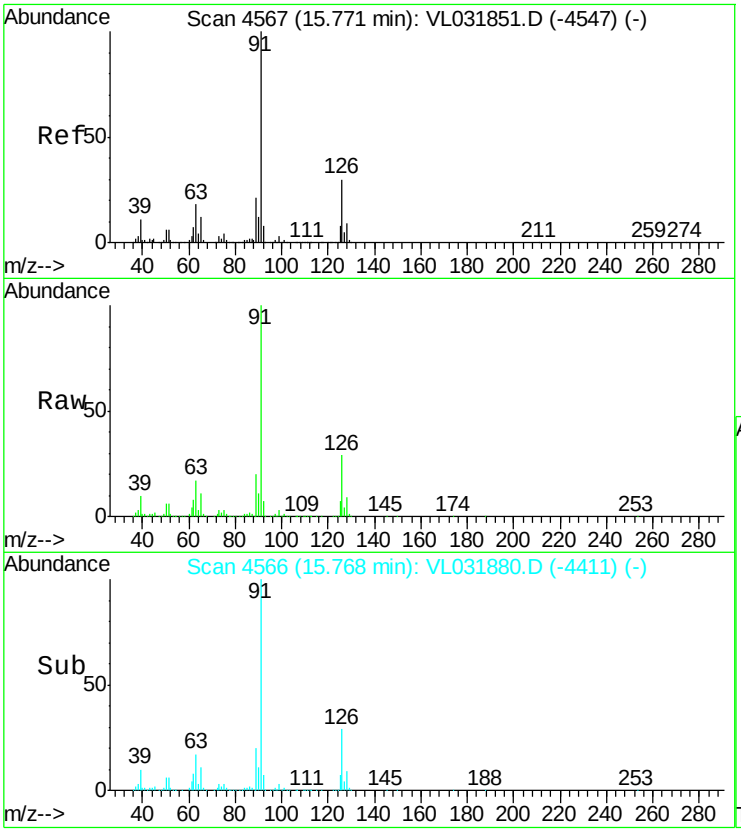


#70
n-Butylbenzene
Concen: 8.23 ppbv
RT: 18.86 min Scan# 5529
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion: 91 Resp: 4649515

Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.2	63.4
134	21.7	17.4	26.0



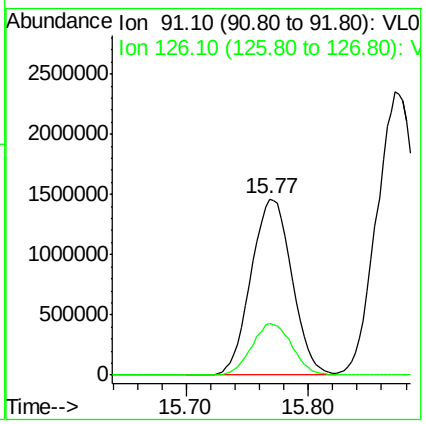


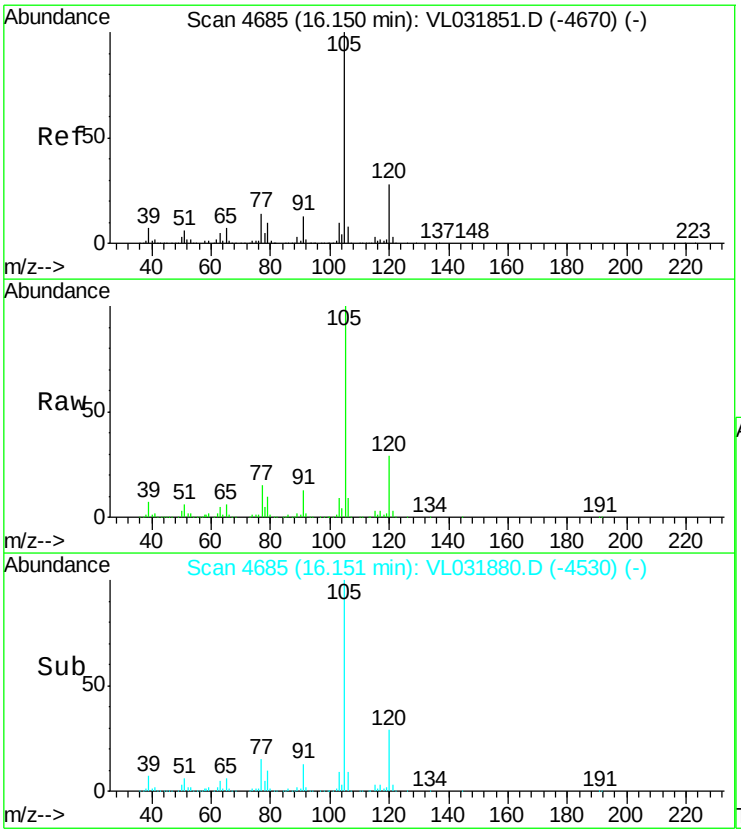
#71
2-Chlorotoluene
Concen: 8.32 ppbv
RT: 15.77 min Scan# 4566
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 91 Resp: 3400073

Ion	Ratio	Lower	Upper
91	100		
126	28.8	11.6	46.2

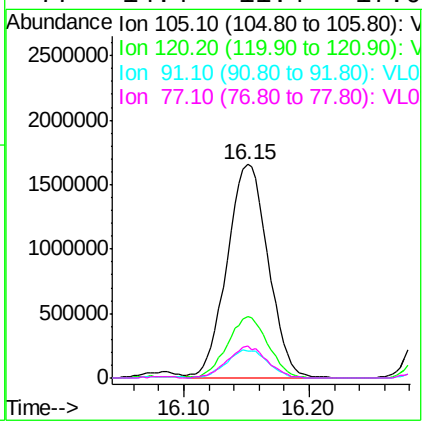


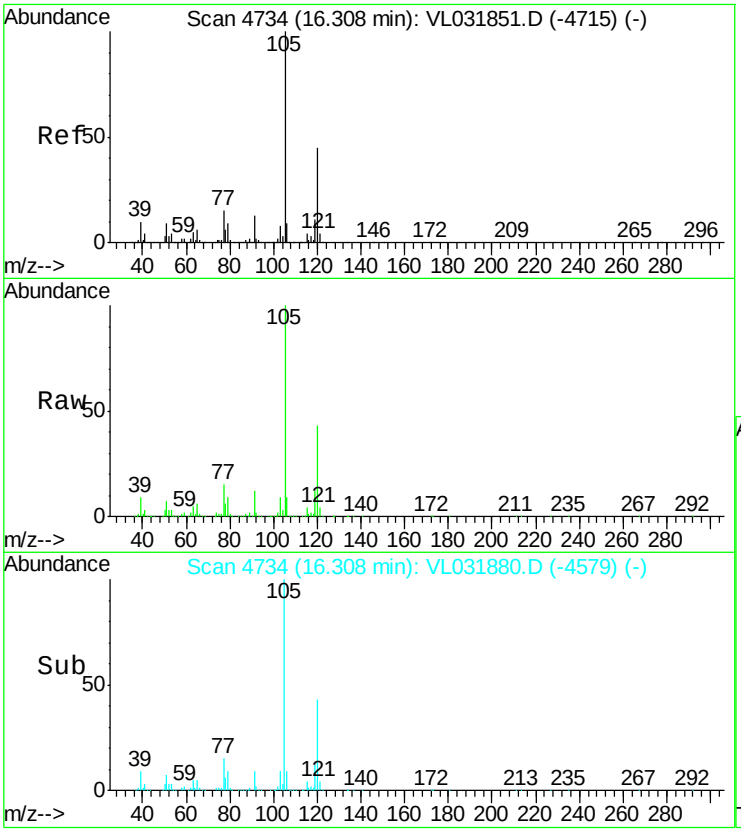


#72
4-Ethyltoluene
Concen: 8.36 ppbv
RT: 16.15 min Scan# 4685
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion:105 Resp: 3759693

Ion	Ratio	Lower	Upper
105	100		
120	28.5	22.7	34.1
91	13.1	10.6	16.0
77	14.4	11.4	17.0



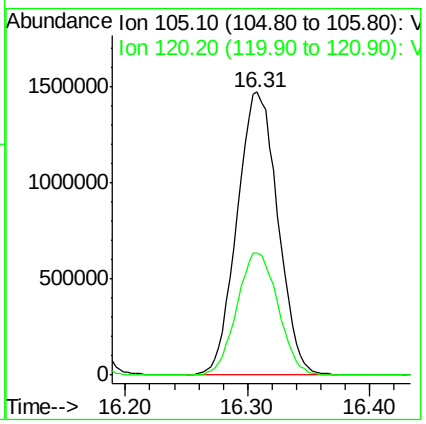


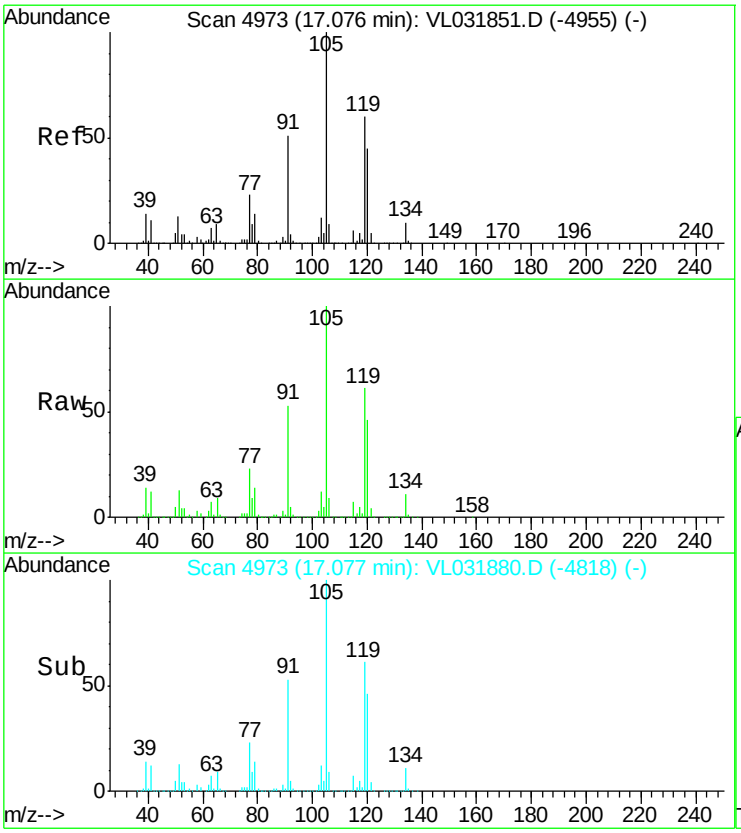
#73
1,3,5-Trimethylbenzene
Concen: 8.23 ppbv
RT: 16.31 min Scan# 4734
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:105 Resp: 3385946

Ion	Ratio	Lower	Upper
105	100		
120	43.2	35.3	52.9

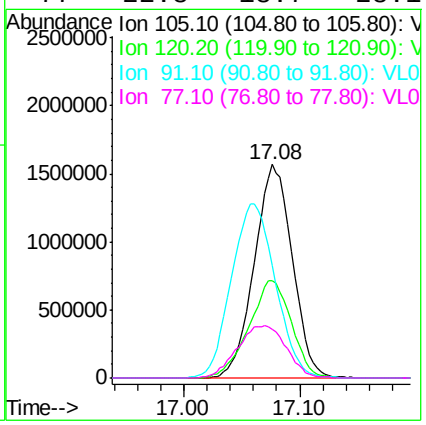


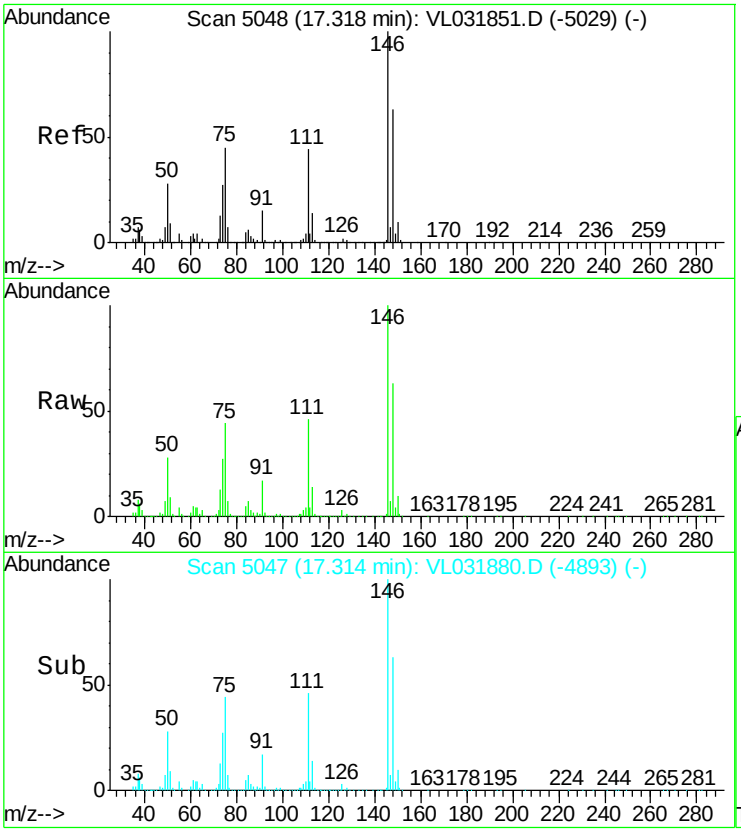


#74
1,2,4-Trimethylbenzene
Concen: 7.77 ppbv
RT: 17.08 min Scan# 4973
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion:105 Resp: 3571233

Ion	Ratio	Lower	Upper
105	100		
120	45.7	37.0	55.4
91	52.4	43.0	64.4
77	22.8	18.7	28.1



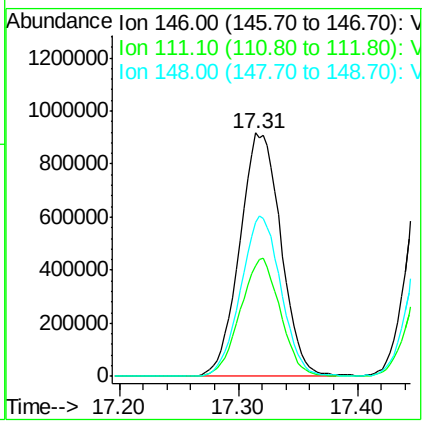


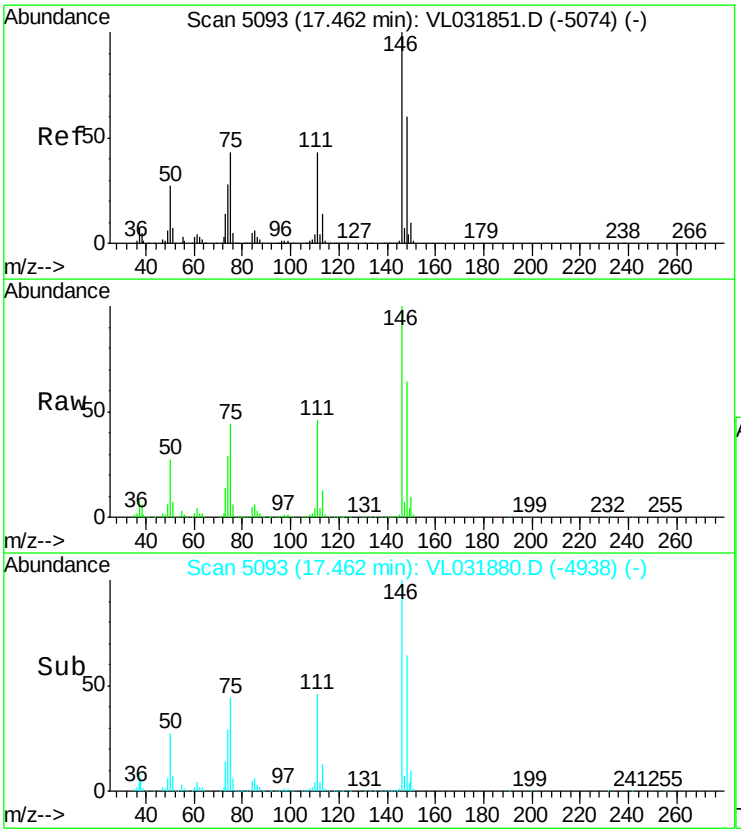
#75
1,3-Dichlorobenzene
Concen: 7.79 ppbv
RT: 17.31 min Scan# 5047
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:146 Resp: 2195008

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.8	71.4
148	64.3	32.0	96.2

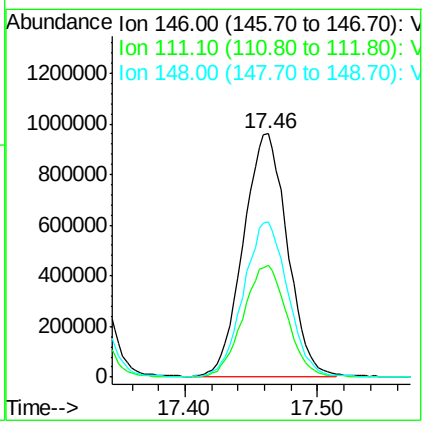


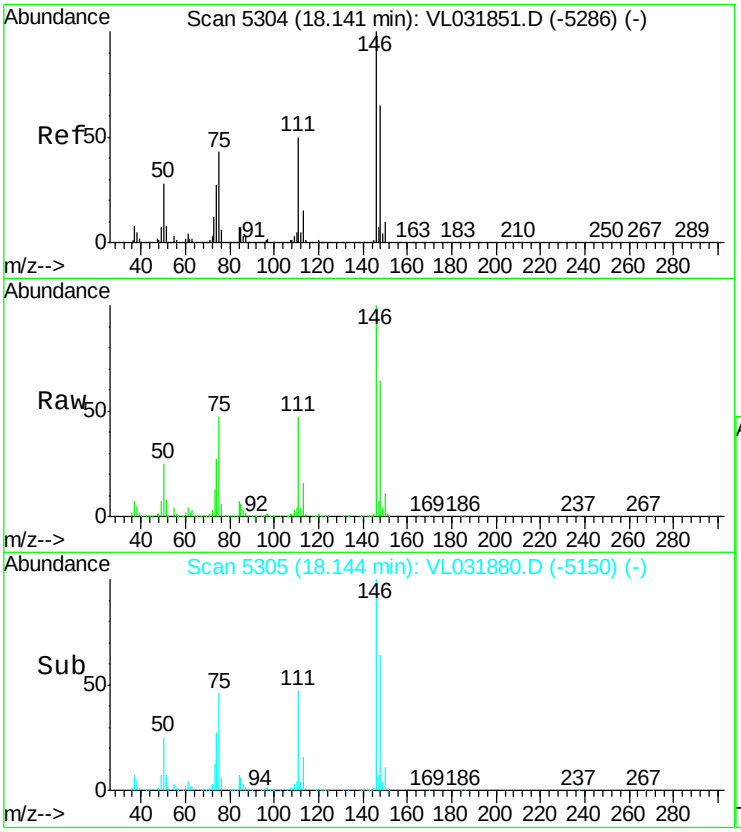


#76
1,4-Dichlorobenzene
Concen: 8.06 ppbv
RT: 17.46 min Scan# 5093
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion:146 Resp: 2202949

Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.9	68.7
148	64.8	32.0	96.0



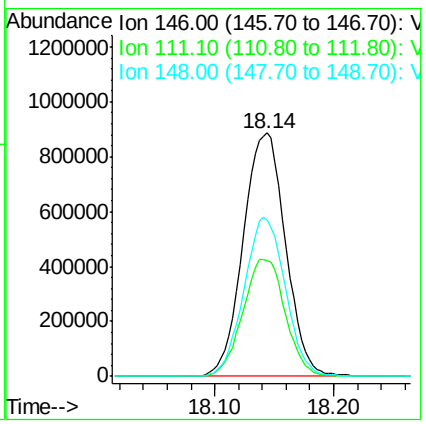


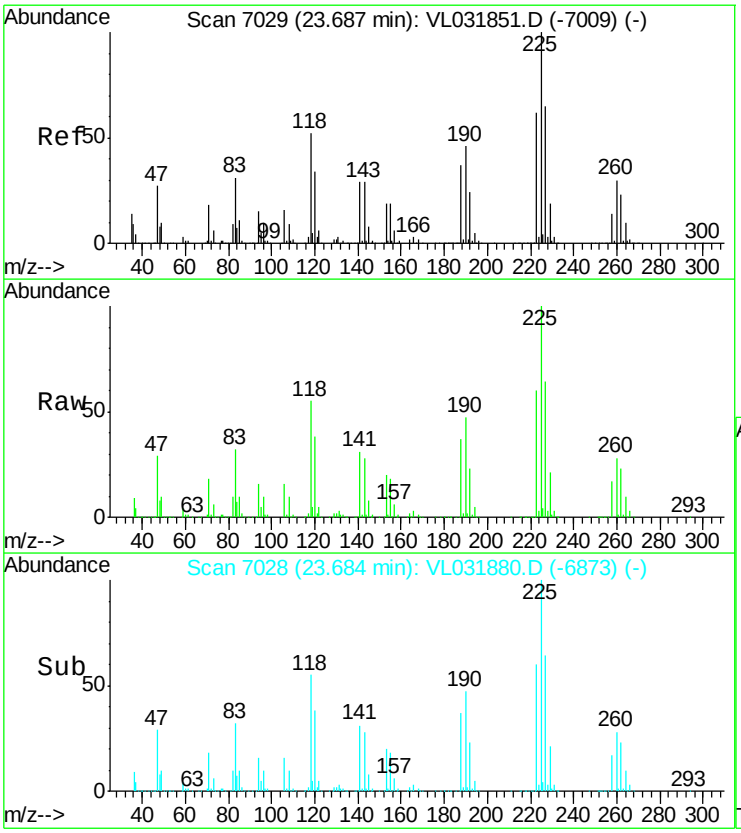
#77
1,2-Dichlorobenzene
Concen: 7.84 ppbv
RT: 18.14 min Scan# 5305
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:146 Resp: 2176784

Ion	Ratio	Lower	Upper
146	100		
111	48.3	24.3	72.8
148	64.0	31.8	95.3

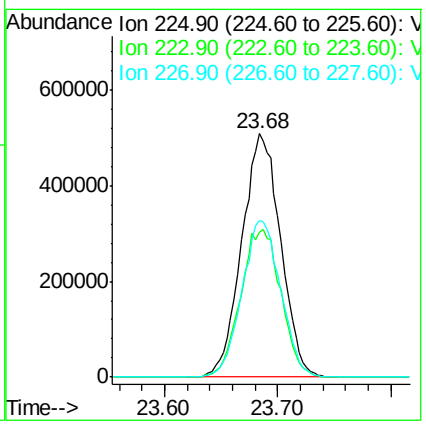


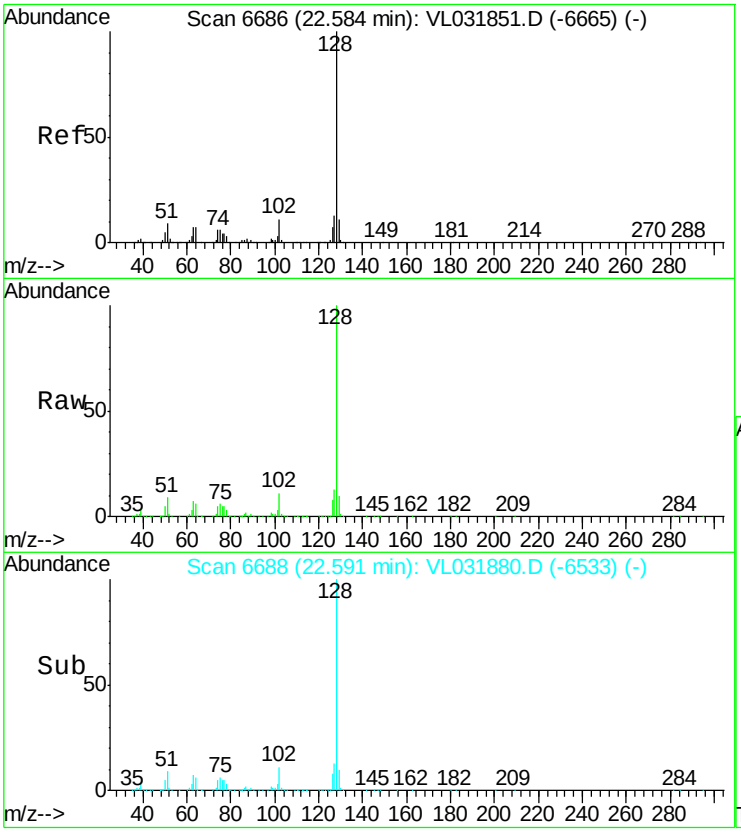


#78
Hexachloro-1,3-Butadiene
Concen: 11.35 ppbv
RT: 23.68 min Scan# 7028
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion:225 Resp: 1209865

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.6	76.0
227	64.3	52.2	78.4



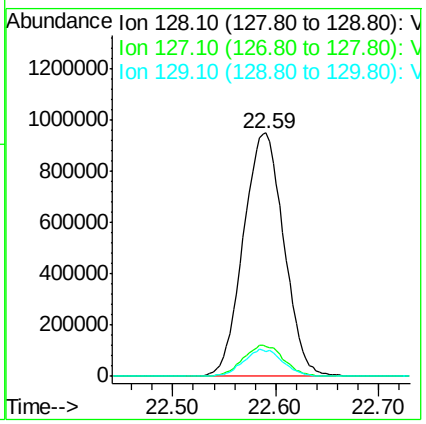


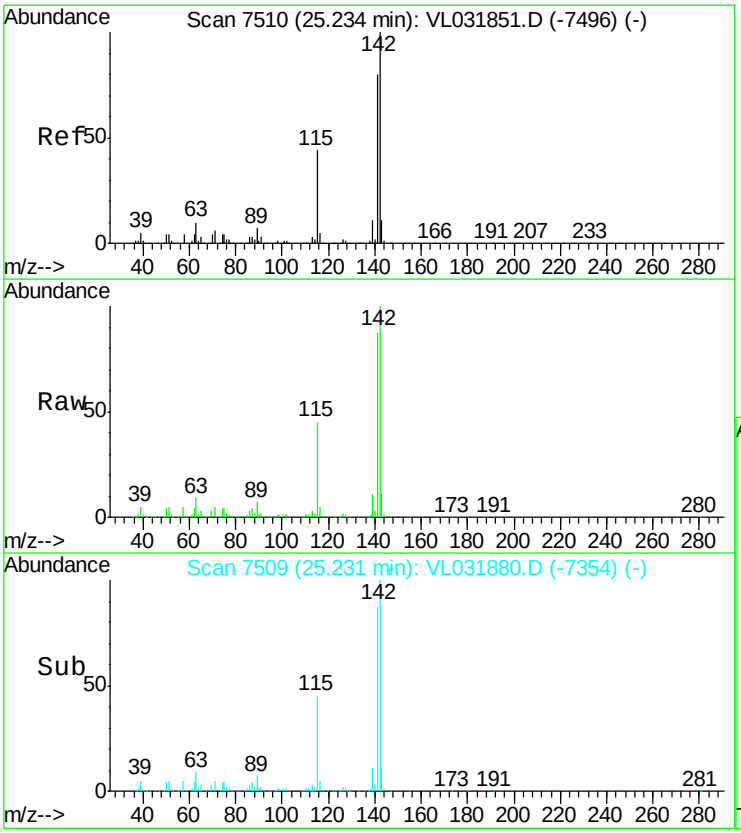
#79
Naphthalene
Concen: 9.99 ppbv
RT: 22.59 min Scan# 6688
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:128 Resp: 2584693

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	10.3	9.4	14.2

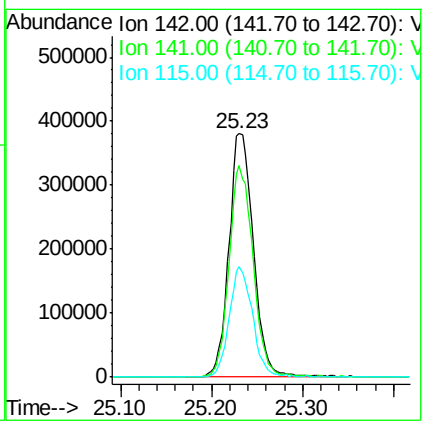


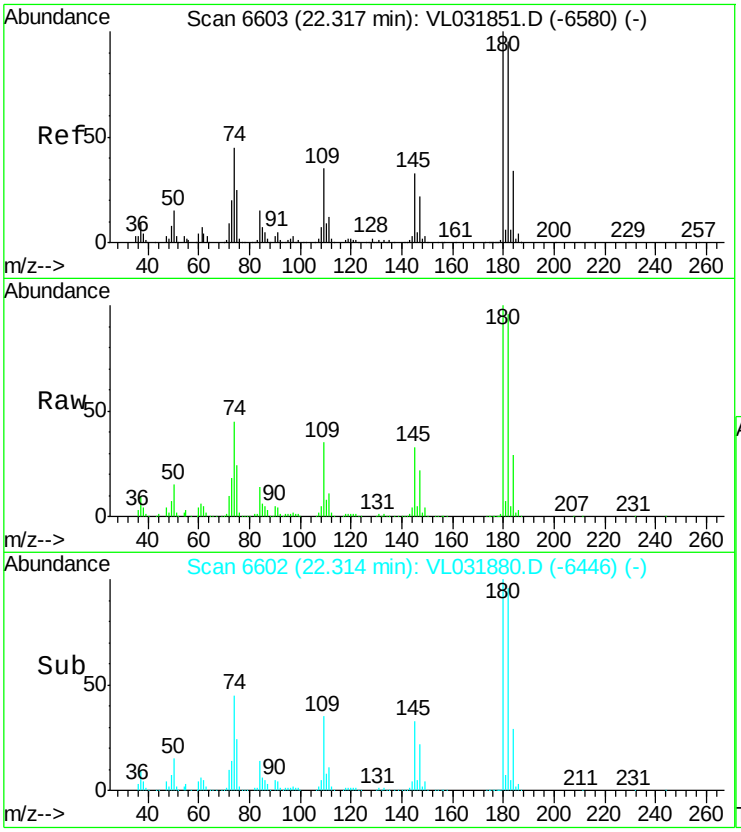


#80
Naphthalene,2-methyl-
Concen: 14.13 ppbv
RT: 25.23 min Scan# 7509
Delta R.T. -0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Tgt Ion:142 Resp: 713454

Ion	Ratio	Lower	Upper
142	100		
141	85.5	67.0	100.4
115	43.3	35.3	52.9





#81
1,2,4-Trichlorobenzene
Concen: 9.27 ppbv
RT: 22.31 min Scan# 6602
Delta R.T. 0.00 min
Lab File: VL031880.D
Acq: 19 Apr 2018 15:44

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:180 Resp: 1330563

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.3	114.5
184	30.8	24.2	36.2