Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
Data File : VL031266.D
Acq On : 20 Dec 2017 11:51
Operator : SY/AP
Sample : VL1220ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1220ABS01

Quant Time: Dec 21 08:32:47 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 04:29:58 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1674039	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.46	114	4109677	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.42	117	5020464	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.76	95	3204230	8.97	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 89.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.18	85	1729643	12.23	ppbv	99
3) Chlorodifluoromethane	3.12	51	1794267	9.43	ppbv	97
4) Chloromethane	3.28	50	1023951	9.96	ppbv	100
5) Vinyl Chloride	3.40	62	971528	9.13	ppbv	99
6) Bromomethane	3.63	94	633008	10.04	ppbv	98
7) Chloroethane	3.72	64	376754	9.57	ppbv	97
8) Dichlorotetrafluoroethane	3.32	85	2147537	10.94	ppbv	98
9) Propene	3.14	41	885285	9.48	ppbv	98
10) Heptane	8.41	43	2436286	8.57	ppbv	99
11) Trichlorofluoromethane	4.13	101	2526167	10.87	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.69	101	1518789	9.33	ppbv	96
13) Ethanol	3.76	45	203932	7.57	ppbv	99
14) Bromoethene	3.91	108	712283	10.17	ppbv	98
15) Acetone	4.02	43	1997513	9.04	ppbv	100
16) 1,3-Butadiene	3.47	39	856305	9.01	ppbv	98
17) tert-Butyl alcohol	4.49	59	751290	6.06	ppbv	99
18) 1,1-Dichloroethene	4.49	96	708648	9.71	ppbv	91
19) Isopropyl Alcohol	4.15	45	1189161	8.51	ppbv #	43
20) Methylene Chloride	4.54	84	647740	8.86	ppbv	95
21) Allyl Chloride	4.61	41	1122797	8.64	ppbv	94
22) trans-1,2-Dichloroethene	5.11	96	798498	8.90	ppbv	98
23) Vinyl Acetate	5.30	43	2948192	8.28	ppbv	98
24) 1,1-Dichloroethane	5.23	63	2309520	8.93	ppbv	100
25) Ethyl Acetate	5.92	43	3676314	8.15	ppbv	99
26) Hexane	5.93	57	1748011	8.17	ppbv	97
27) Carbon Disulfide	4.76	76	1849991	8.63	ppbv	99
28) Methyl tert-Butyl Ether	5.25	73	2163933	7.73	ppbv	98
29) Chloroform	6.00	83	2771255	9.59	ppbv	100
30) Cyclohexane	7.41	84	1470127	7.80	ppbv	98
31) cis-1,2-Dichloroethene	5.79	61	1706711	8.79	ppbv	99
32) 1,1,1-Trichloroethane	6.78	97	2667484	8.63	ppbv	98
34) 2-Butanone	5.47	43	2623323	9.04	ppbv	98
35) Carbon Tetrachloride	7.30	117	2805762	9.53	ppbv	97
36) Benzene	7.17	78	3670615	8.43	ppbv	98
37) 1,2-Dichloroethane	6.57	62	2293625	9.55	ppbv	97
38) Trichloroethene	8.13	130	1364414	8.03	ppbv	99
39) 1,2-Dichloropropane	7.90	63	1352796	8.78	ppbv	95
40) 1,4-Dioxane	8.12	88	580745	10.45	ppbv #	91
41) Tetrahydrofuran	6.30	42	1356465	8.31	ppbv	98
42) Bromodichloromethane	8.09	83	2922205	10.32	ppbv	99
43) Methyl Methacrylate	8.30	69	1372375	9.41	ppbv	98

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
Data File : VL031266.D
Acq On : 20 Dec 2017 11:51
Operator : SY/AP
Sample : VL1220ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1220ABS01

Quant Time: Dec 21 08:32:47 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 04:29:58 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.16	57	5821168	8.85	ppbv		99
45) t-1,3-Dichloropropene	9.59	75	1864806	9.35	ppbv		100
46) cis-1,3-Dichloropropene	9.01	75	2321455	9.25	ppbv		99
47) 1,1,2-Trichloroethane	9.79	97	1512080	9.47	ppbv		97
48) Dibromochloromethane	10.63	129	2423301	9.71	ppbv		100
49) Bromoform	13.38	173	1800052	9.78	ppbv		100
50) 4-Methyl-2-Pentanone	9.04	43	3268725	9.20	ppbv		98
51) 2-Hexanone	10.44	43	2994662	8.83	ppbv	#	96
52) Tetrachloroethene	11.55	164	1265028	7.87	ppbv		96
53) Toluene	10.12	91	4323364	9.15	ppbv		98
54) 1,2-Dibromoethane	10.94	107	2315946	9.57	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.46	131	1672018	7.47	ppbv		98
57) Chlorobenzene	12.48	112	3210062	6.86	ppbv		98
58) Ethyl Benzene	13.04	91	5709198	6.89	ppbv		99
59) m/p-Xylene	13.33	91	4483876	6.76	ppbv	#	32
60) o-Xylene	14.03	91	4616117	6.90	ppbv		98
61) Styrene	13.86	104	1251574	6.52	ppbv		97
62) Isopropylbenzene	15.00	105	5921617	6.75	ppbv		99
63) 1,1,2,2-Tetrachloroethane	14.01	83	3051487	6.81	ppbv		99
64) n-propylbenzene	15.90	120	1541199	6.62	ppbv		89
65) tert-Butylbenzene	17.09	119	5285087	6.80	ppbv		97
66) Benzyl Chloride	17.33	91	468046	5.59	ppbv		95
67) sec-Butylbenzene	17.64	105	7216705	6.76	ppbv		99
69) p-Isopropyltoluene	17.99	119	5947716	6.68	ppbv		98
70) n-Butylbenzene	18.89	91	6183519	7.20	ppbv		99
71) 2-Chlorotoluene	15.80	91	4592780	7.06	ppbv		98
72) 4-Ethyltoluene	16.18	105	5204455	7.10	ppbv		99
73) 1,3,5-Trimethylbenzene	16.33	105	4591955	7.04	ppbv		99
74) 1,2,4-Trimethylbenzene	17.10	105	4642065	6.77	ppbv	#	93
75) 1,3-Dichlorobenzene	17.35	146	2836410	6.52	ppbv		99
76) 1,4-Dichlorobenzene	17.48	146	2854868	6.49	ppbv		99
77) 1,2-Dichlorobenzene	18.17	146	2858743	6.73	ppbv		98
78) Hexachloro-1,3-Butadiene	23.71	225	1267314	12.98	ppbv		99
79) Naphthalene	22.62	128	3729817	6.72	ppbv		99
80) Naphthalene,2-methyl-	25.25	142	1130928	5.47	ppbv		98
81) 1,2,4-Trichlorobenzene	22.35	180	1728994	6.69	ppbv		100

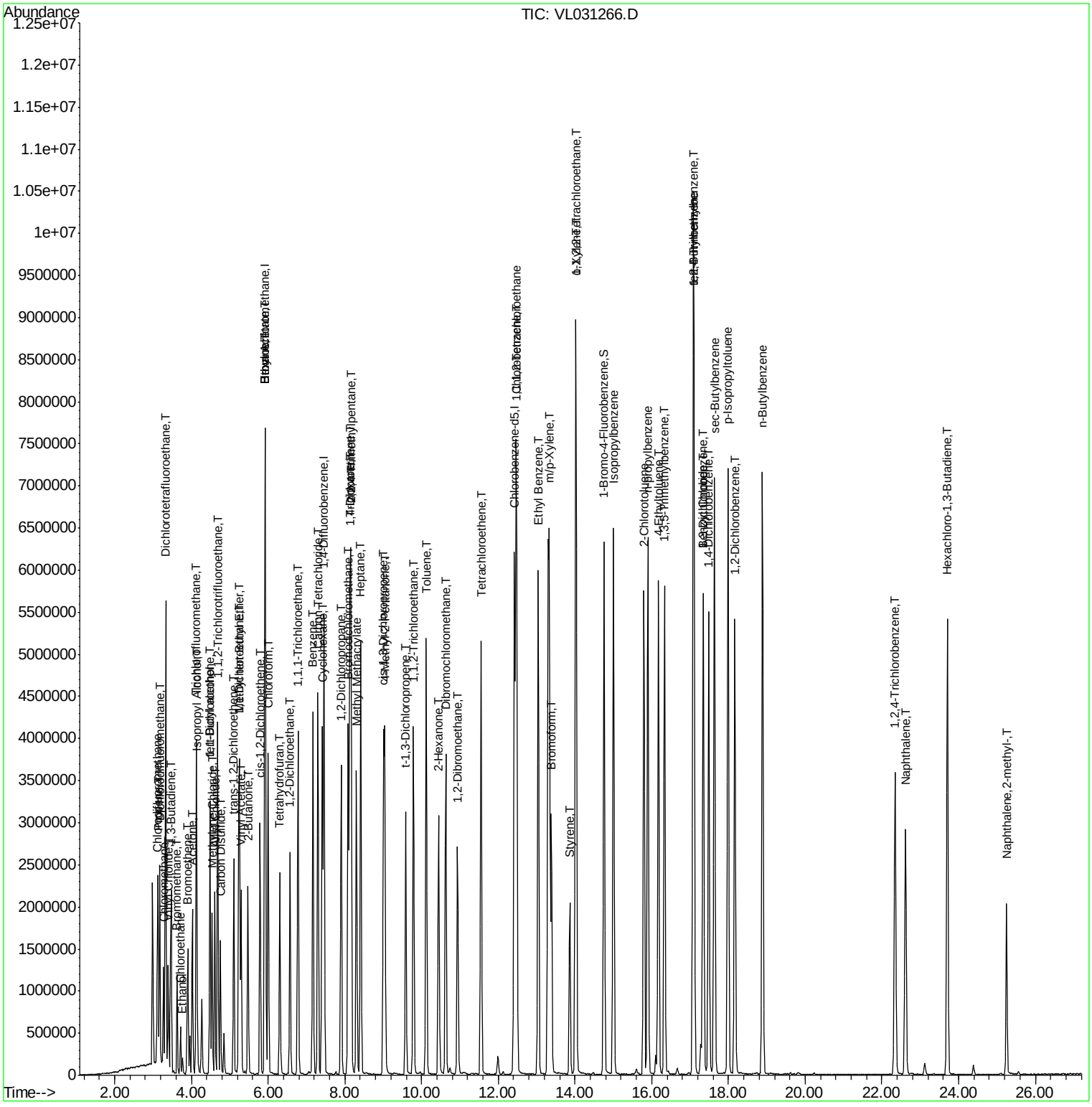
(#) = qualifier out of range (m) = manual integration (+) = signals summed

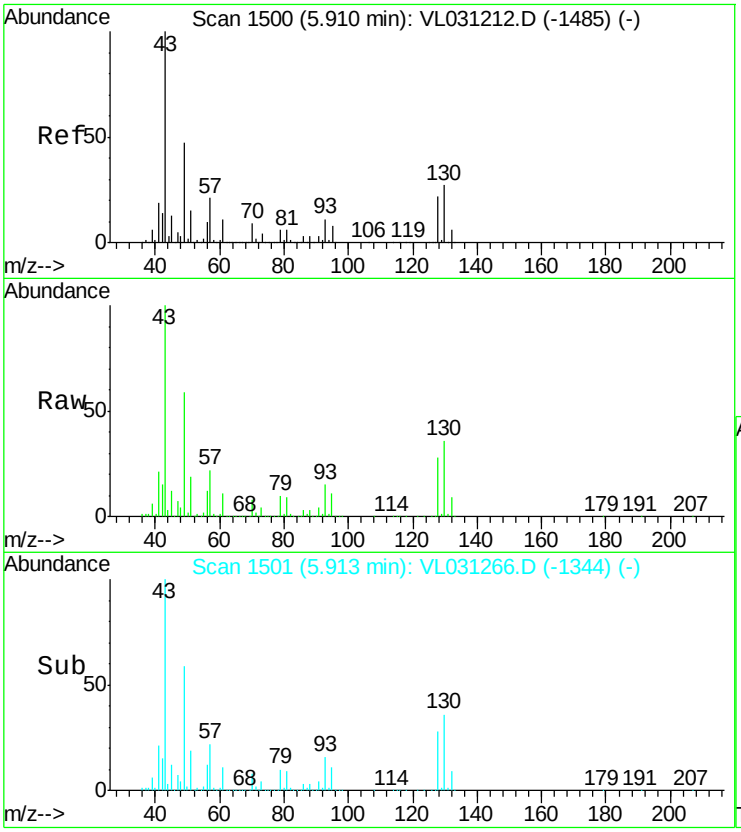
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
Data File : VL031266.D
Acq On : 20 Dec 2017 11:51
Operator : SY/AP
Sample : VL1220ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1220ABS01

Quant Time: Dec 21 08:32:47 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 04:29:58 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration



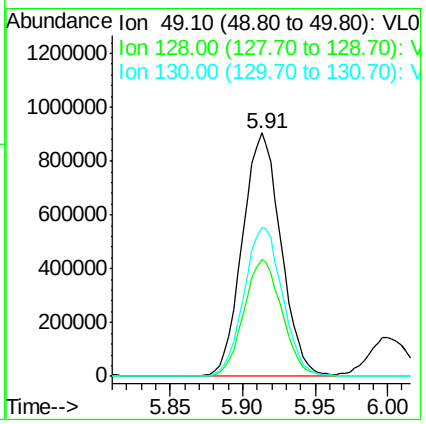


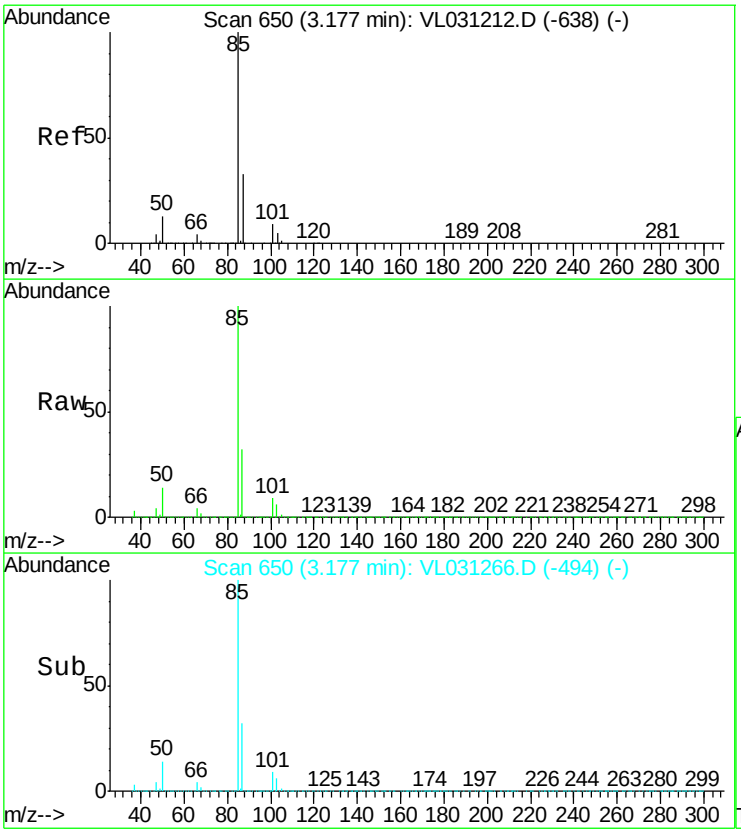
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.91 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion: 49 Resp: 1674039

Ion	Ratio	Lower	Upper
49	100		
128	47.7	23.2	69.5
130	61.6	29.6	88.8

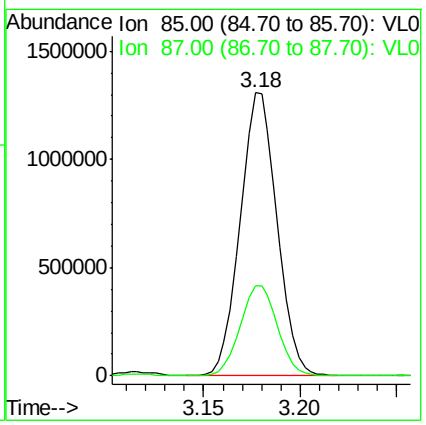


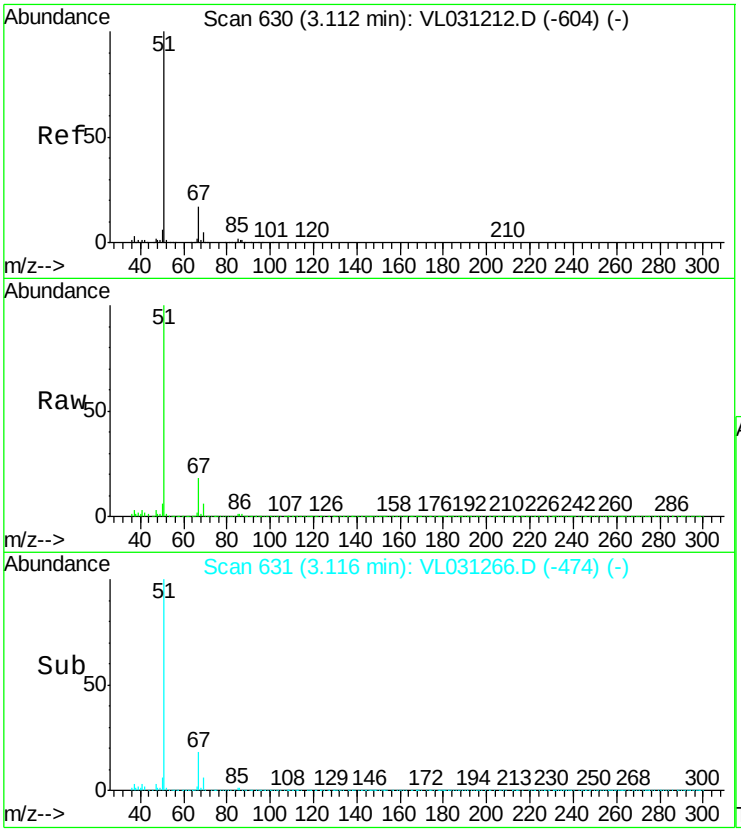


#2
Dichlorodifluoromethane
Concen: 12.23 ppbv
RT: 3.18 min Scan# 650
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 85 Resp: 1729643

Ion	Ratio	Lower	Upper
85	100		
87	31.9	26.2	39.2



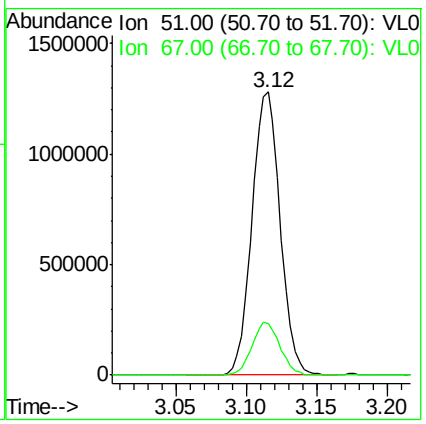


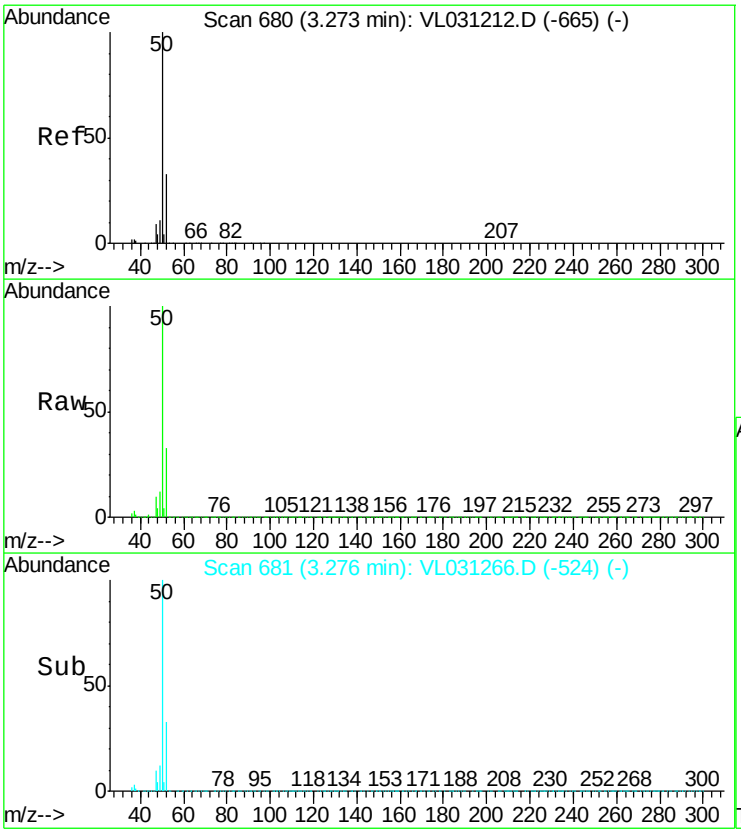
#3
Chlorodifluoromethane
Concen: 9.43 ppbv
RT: 3.12 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion: 51 Resp: 1794267

Ion	Ratio	Lower	Upper
51	100		
67	18.6	13.8	20.6

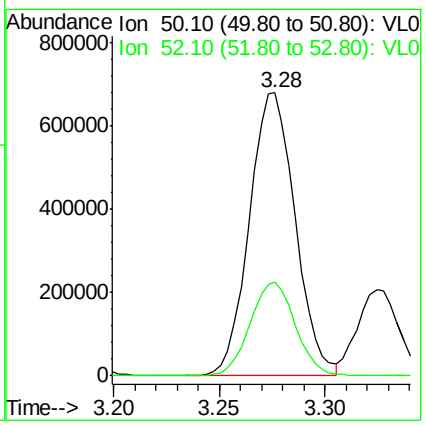


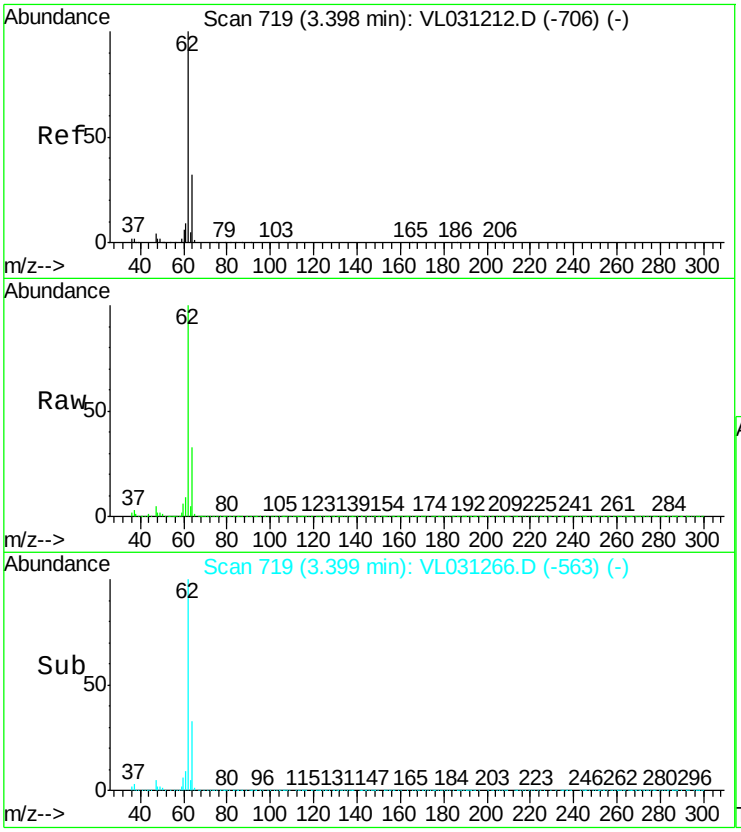


#4
Chloromethane
Concen: 9.96 ppbv
RT: 3.28 min Scan# 681
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 50 Resp: 1023951

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.5	39.7



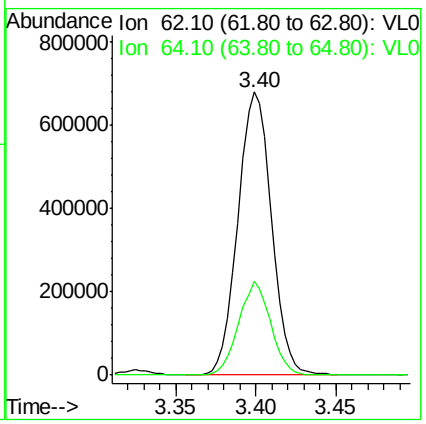


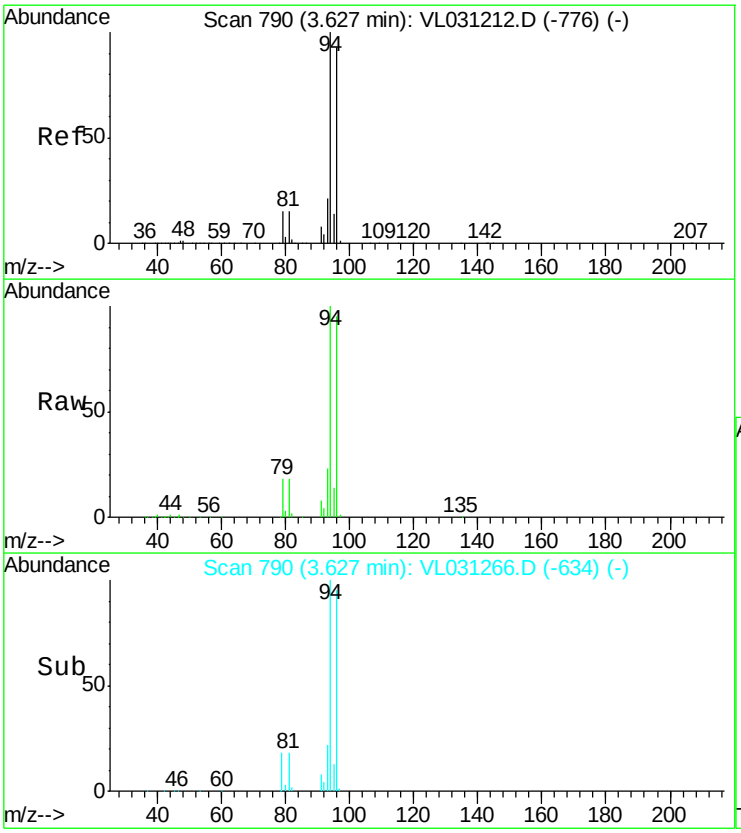
#5
Vinyl Chloride
Concen: 9.13 ppbv
RT: 3.40 min Scan# 719
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument : MSVOA_L
ClientSampleId : VL1220ABS01

Tgt Ion: 62 Resp: 971528

Ion	Ratio	Lower	Upper
62	100		
64	33.0	25.9	38.9

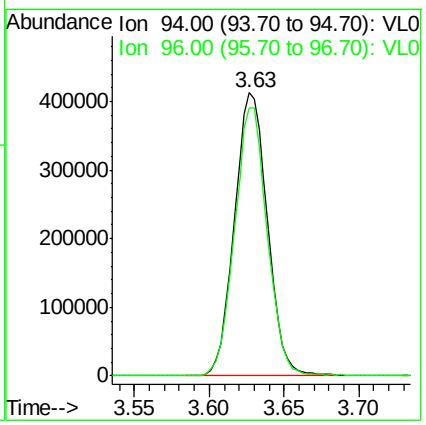


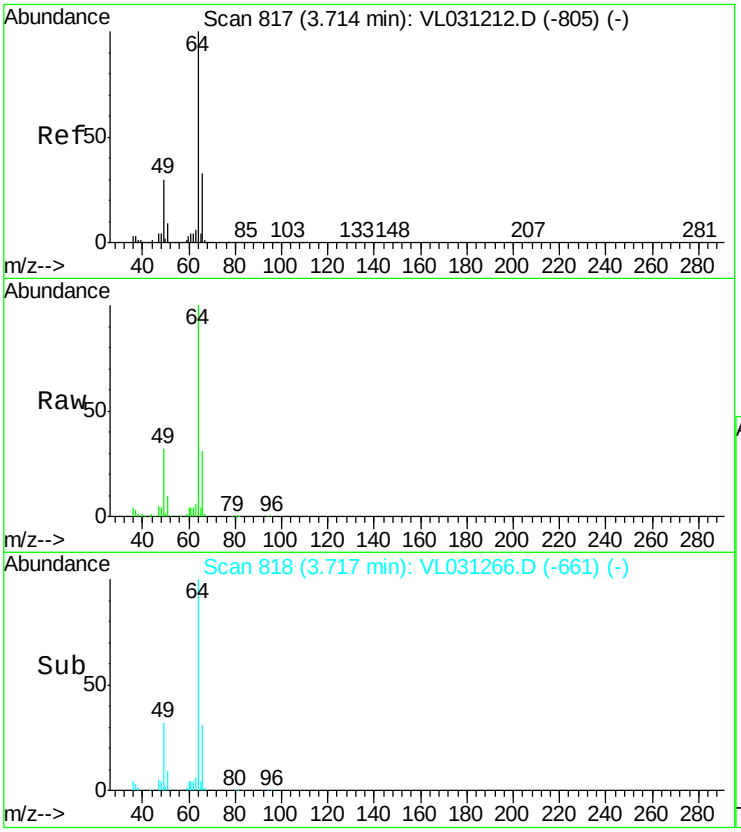


#6
Bromomethane
Concen: 10.04 ppbv
RT: 3.63 min Scan# 790
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 94 Resp: 633008

Ion	Ratio	Lower	Upper
94	100		
96	94.7	74.4	111.6



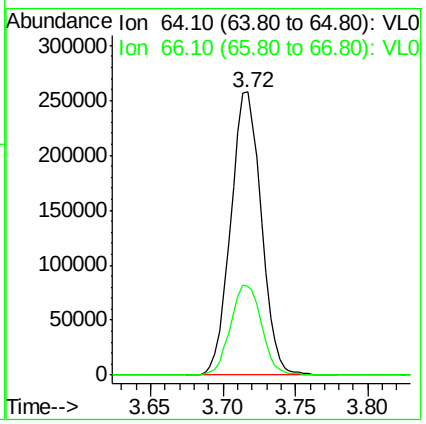


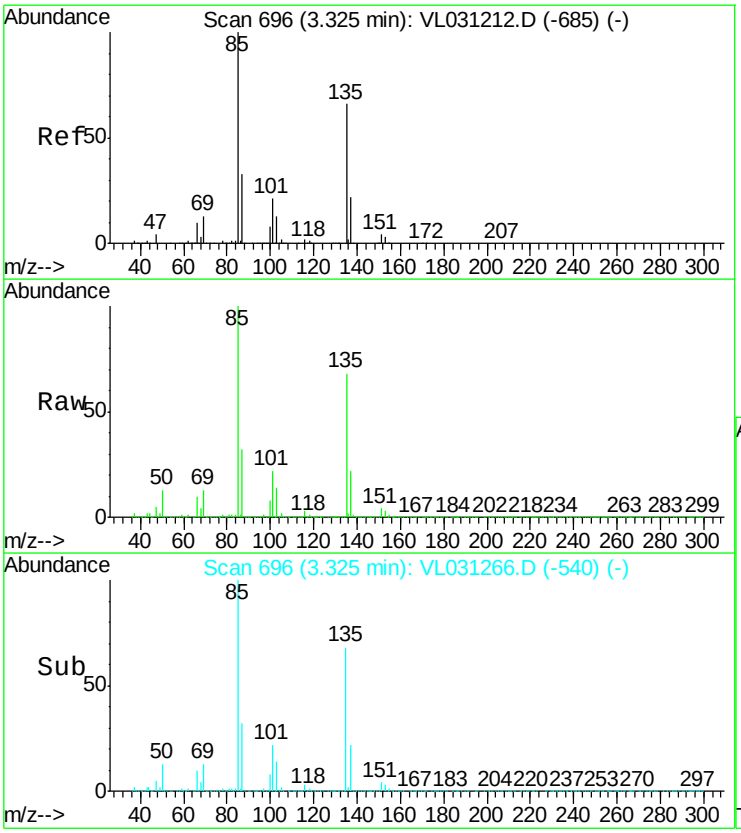
#7
Chloroethane
Concen: 9.57 ppbv
RT: 3.72 min Scan# 818
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion: 64 Resp: 376754

Ion	Ratio	Lower	Upper
64	100		
66	31.2	26.2	39.2

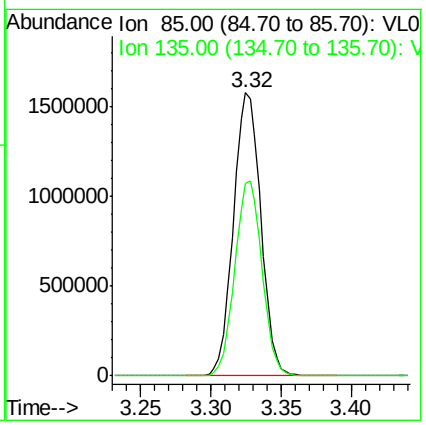


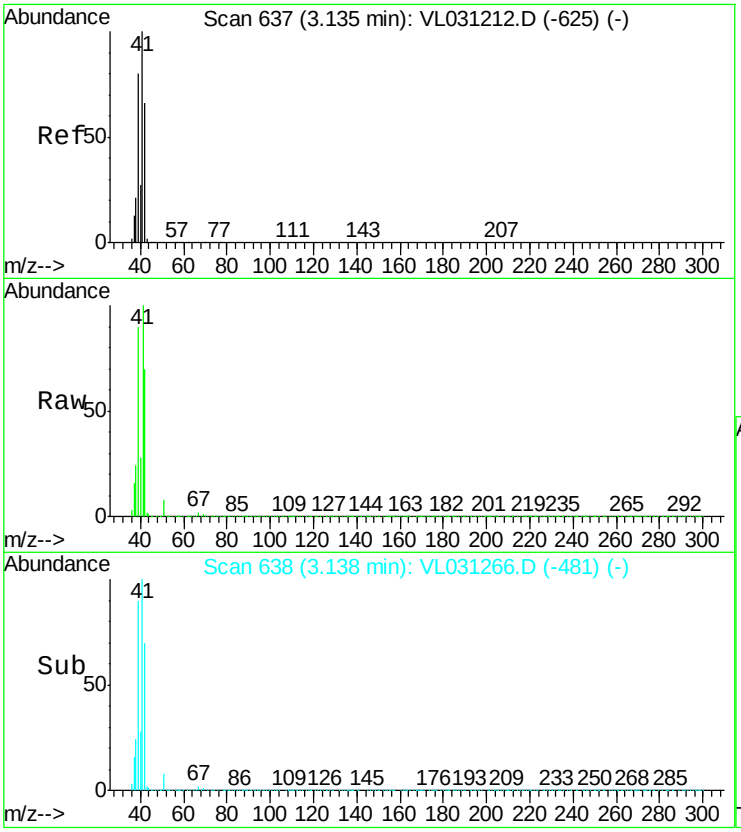


#8
Dichlorotetrafluoroethane
Concen: 10.94 ppbv
RT: 3.32 min Scan# 696
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 85 Resp: 2147537

Ion	Ratio	Lower	Upper
85	100		
135	68.7	54.0	81.0



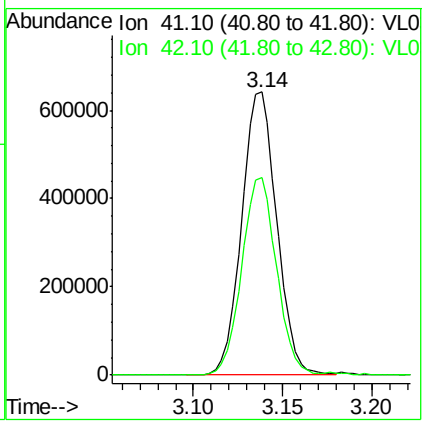


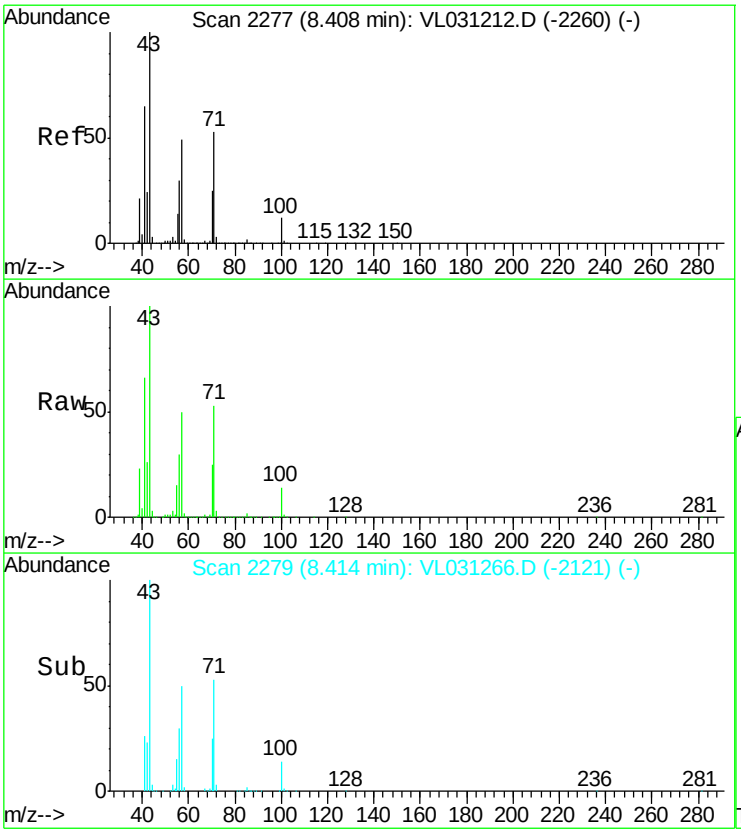
#9
Propene
Concen: 9.48 ppbv
RT: 3.14 min Scan# 638
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument : MSVOA_L
ClientSampleId : VL1220ABS01

Tgt Ion: 41 Resp: 885285

Ion	Ratio	Lower	Upper
41	100		
42	69.9	54.3	81.5

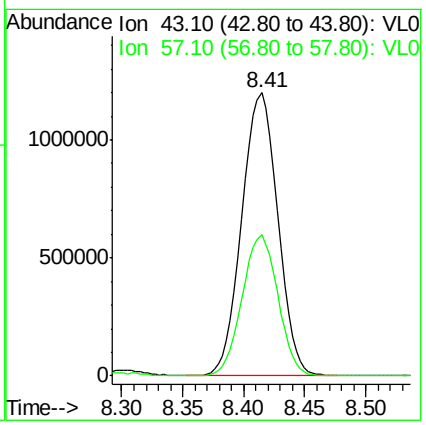


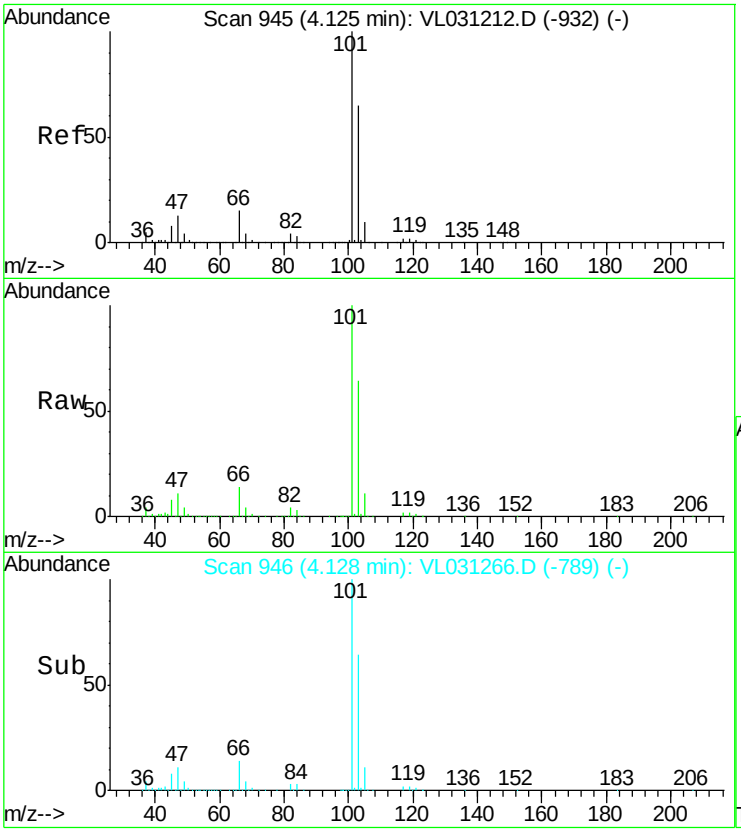


#10
Heptane
Concen: 8.57 ppbv
RT: 8.41 min Scan# 2279
Delta R.T. 0.01 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 43 Resp: 2436286

Ion	Ratio	Lower	Upper
43	100		
57	49.4	39.8	59.8



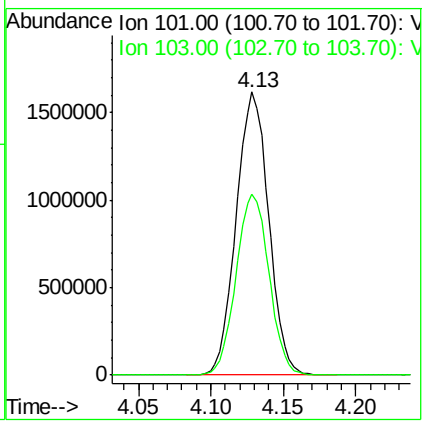


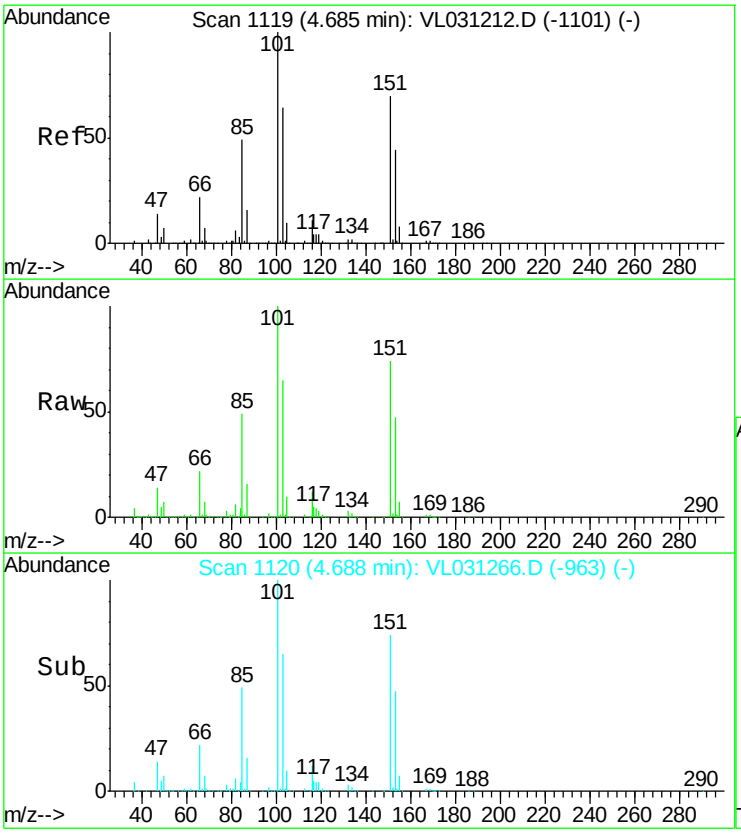
#11
Trichlorofluoromethane
Concen: 10.87 ppbv
RT: 4.13 min Scan# 946
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion:101 Resp: 2526167

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.8	77.8

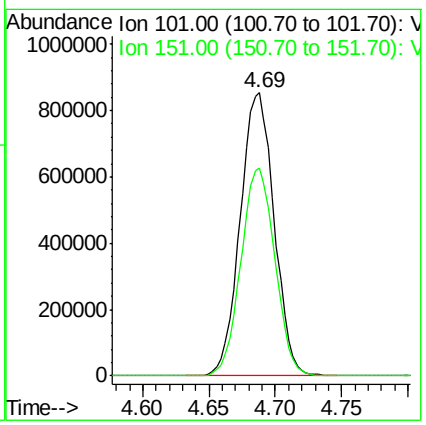


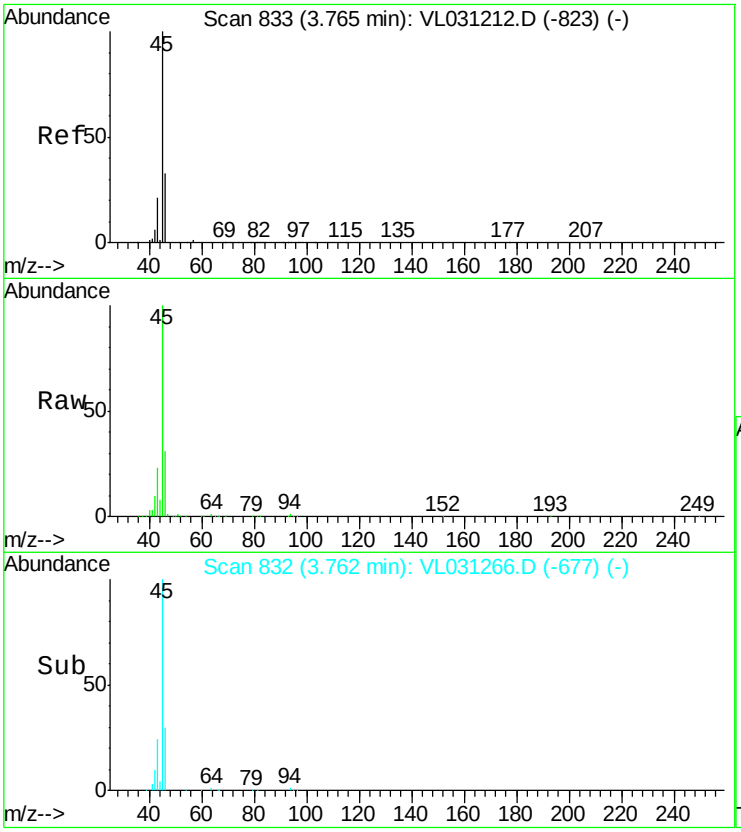


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.33 ppbv
RT: 4.69 min Scan# 1120
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion:101 Resp: 1518789

Ion	Ratio	Lower	Upper
101	100		
151	73.8	56.5	84.7



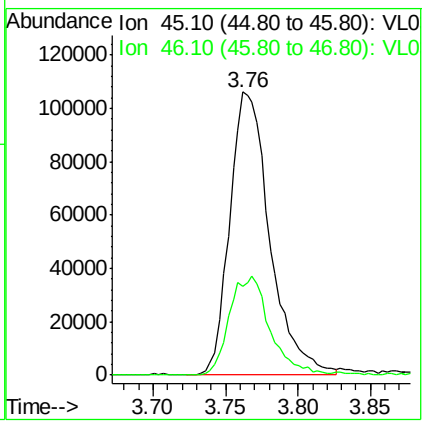


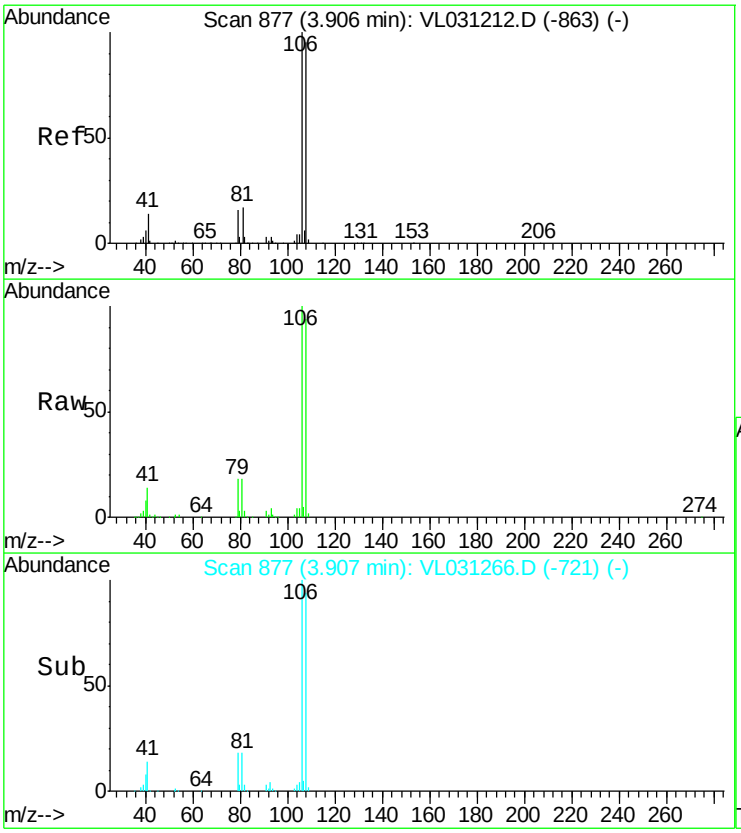
#13
Ethanol
Concen: 7.57 ppbv
RT: 3.76 min Scan# 832
Delta R.T. -0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion: 45 Resp: 203932

Ion	Ratio	Lower	Upper
45	100		
46	35.8	14.6	58.4

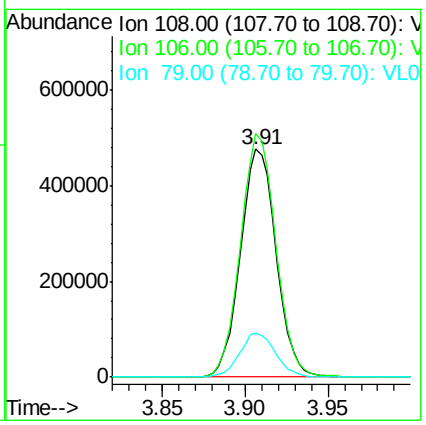


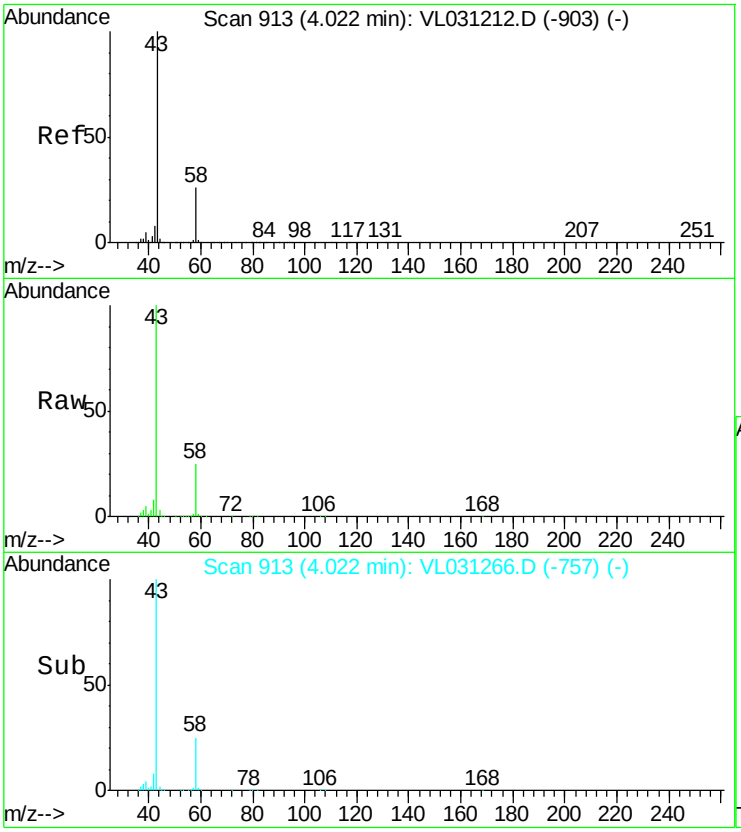


#14
Bromoethene
Concen: 10.17 ppbv
RT: 3.91 min Scan# 877
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion:108 Resp: 712283

Ion	Ratio	Lower	Upper
108	100		
106	106.4	86.5	129.7
79	19.5	14.2	21.4



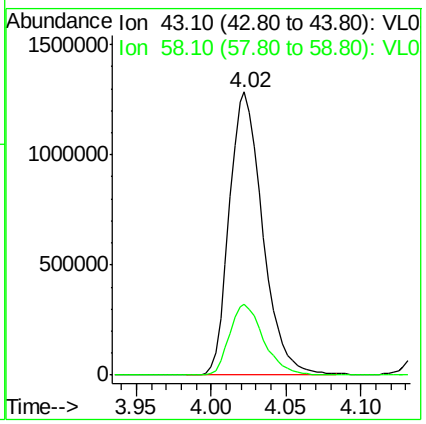


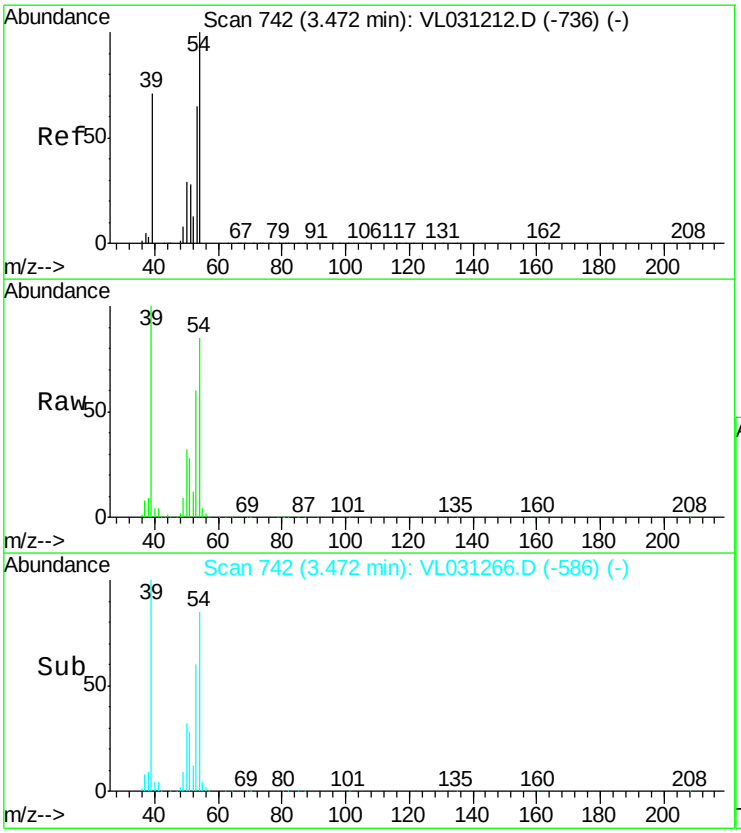
#15
Acetone
Concen: 9.04 ppbv
RT: 4.02 min Scan# 913
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion: 43 Resp: 1997513

Ion	Ratio	Lower	Upper
43	100		
58	25.6	20.3	30.5

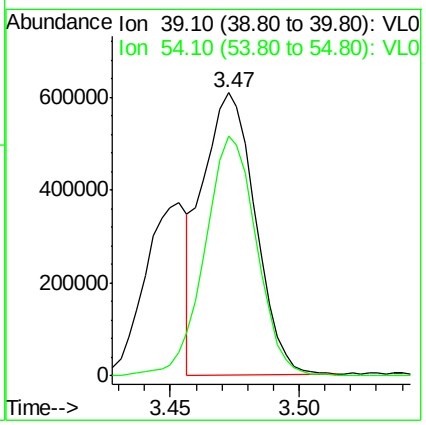


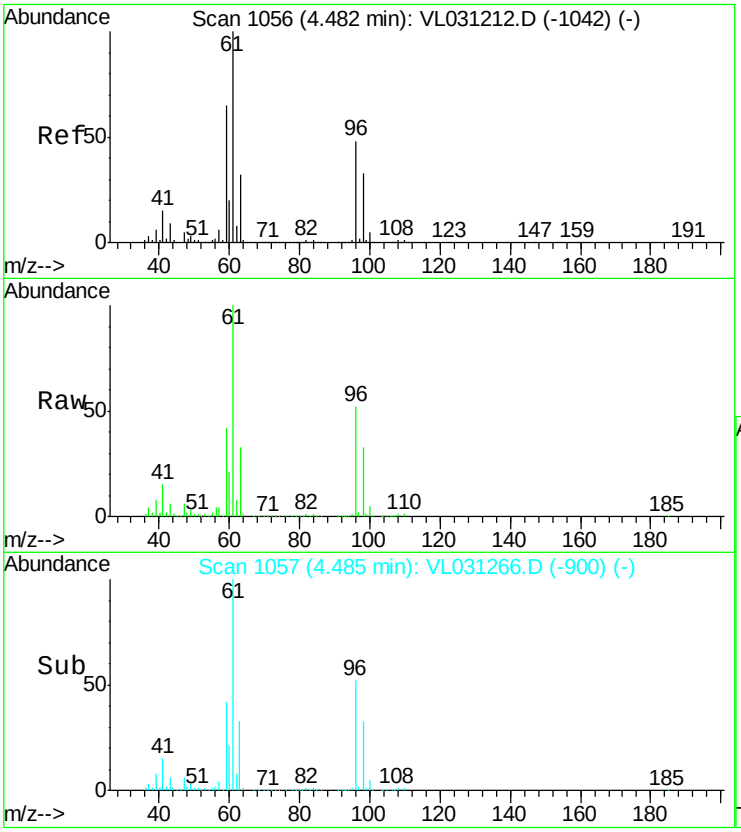


#16
1,3-Butadiene
Concen: 9.01 ppbv
RT: 3.47 min Scan# 742
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 39 Resp: 856305

Ion	Ratio	Lower	Upper
39	100		
54	84.6	66.4	99.6



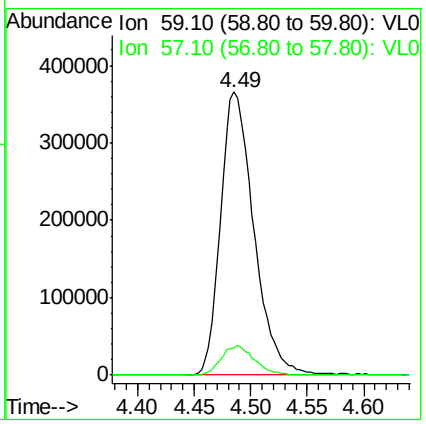


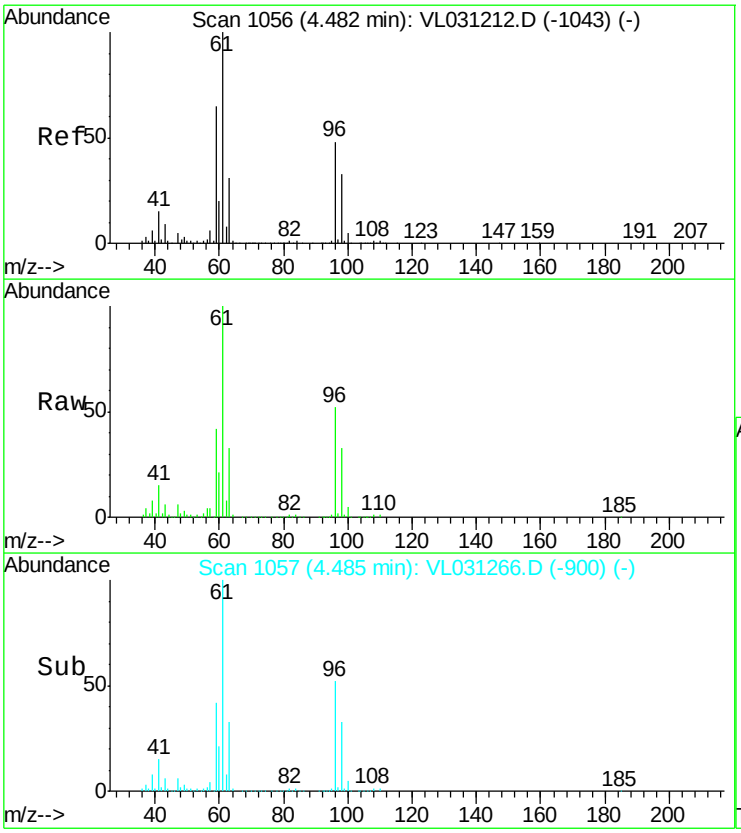
#17
tert-Butyl alcohol
Concen: 6.06 ppbv
RT: 4.49 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion: 59 Resp: 751290

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

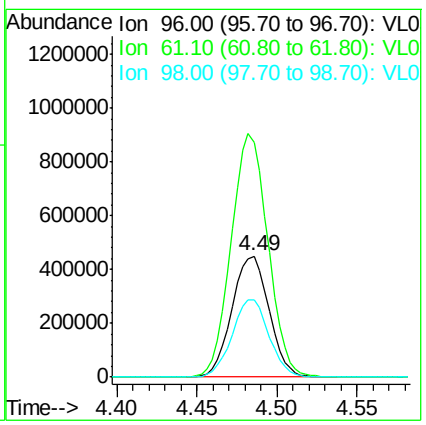


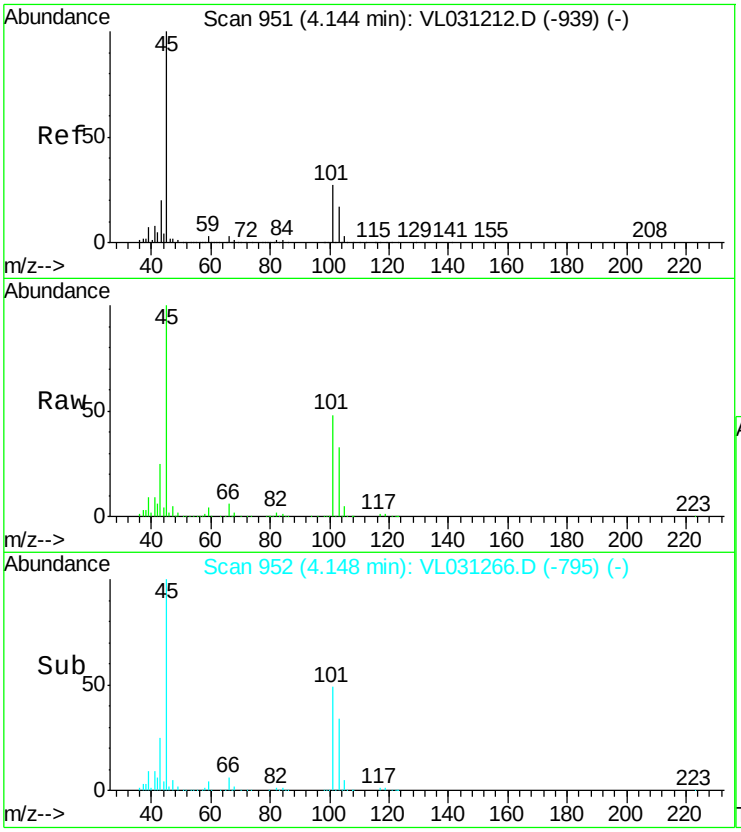


#18
1,1-Dichloroethene
Concen: 9.71 ppbv
RT: 4.49 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 96 Resp: 708648

Ion	Ratio	Lower	Upper
96	100		
61	193.3	166.8	250.2
98	63.9	55.0	82.6



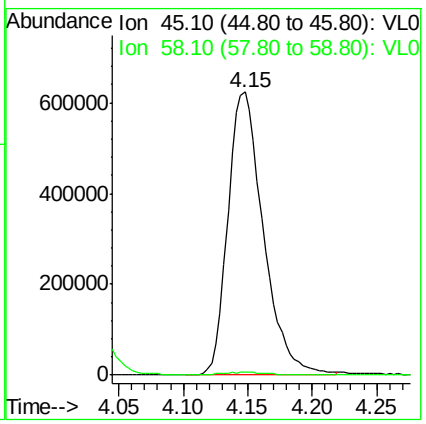


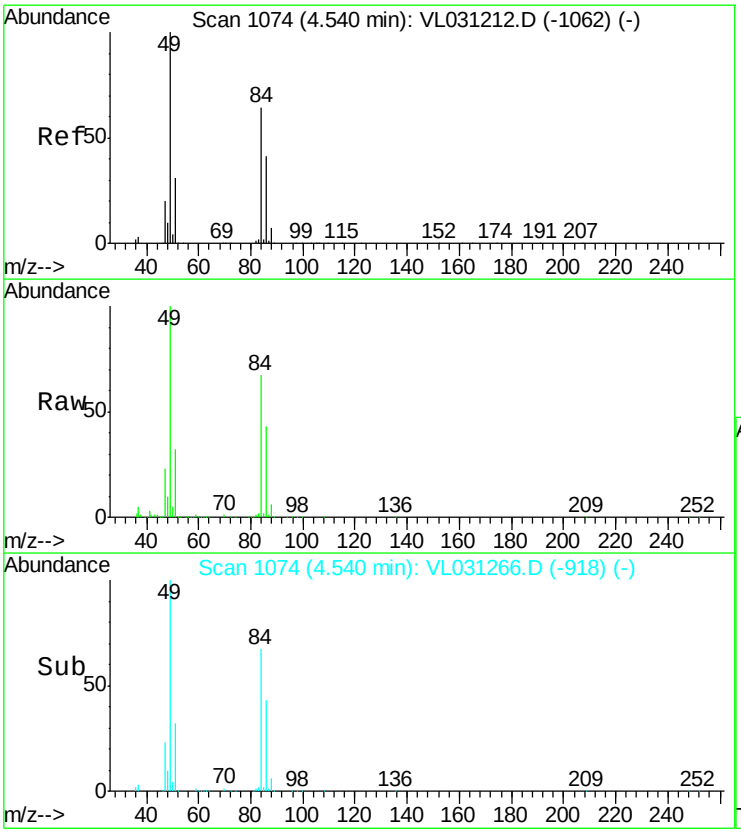
#19
Isopropyl Alcohol
Concen: 8.51 ppbv
RT: 4.15 min Scan# 952
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument : MSVOA_L
ClientSampleId : VL1220ABS01

Tgt Ion: 45 Resp: 1189161

Ion	Ratio	Lower	Upper
45	100		
58	1.4	27.2	40.8#

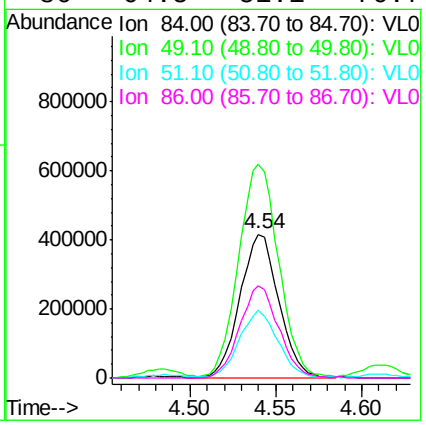


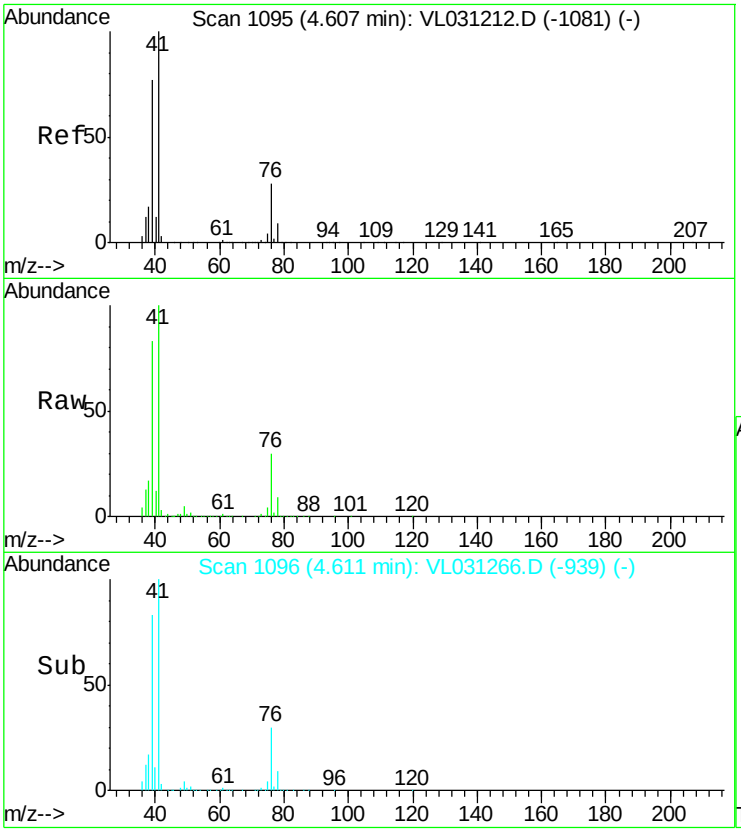


#20
Methylene Chloride
Concen: 8.86 ppbv
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 84 Resp: 647740

Ion	Ratio	Lower	Upper
84	100		
49	148.3	125.8	188.6
51	47.1	39.3	58.9
86	64.5	51.1	76.7



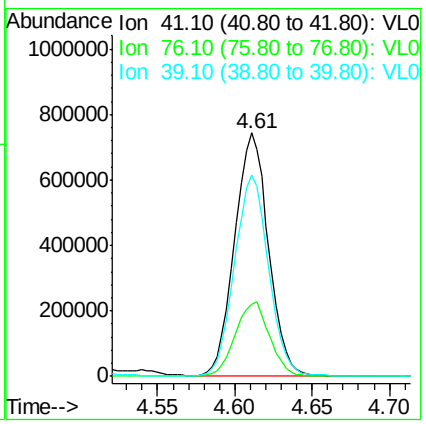


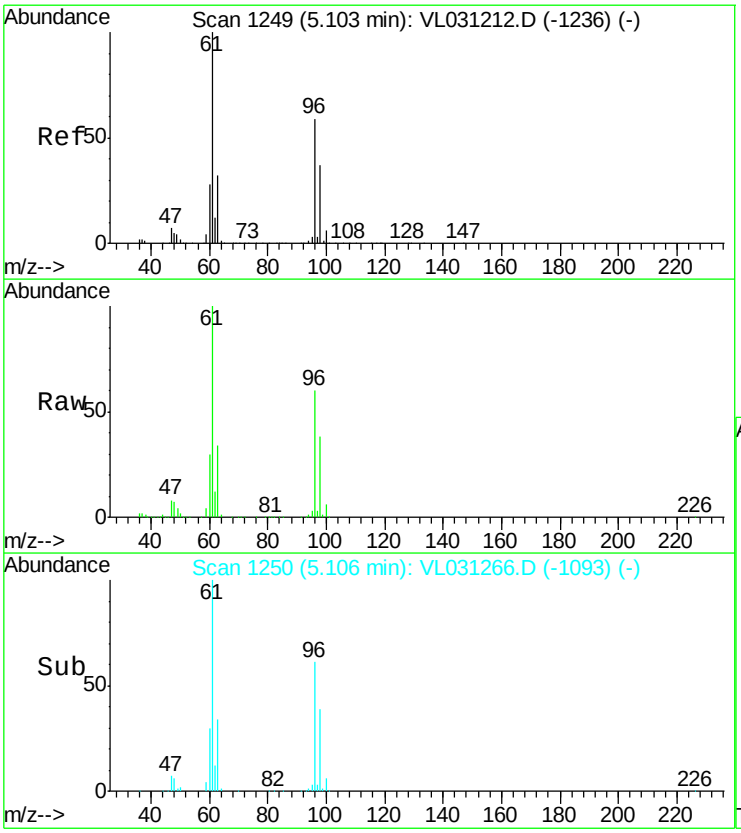
#21
Allyl Chloride
Concen: 8.64 ppbv
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument : MSVOA_L
ClientSampleId : VL1220ABS01

Tgt Ion: 41 Resp: 1122797

Ion	Ratio	Lower	Upper
41	100		
76	31.3	22.9	34.3
39	83.8	62.6	93.8

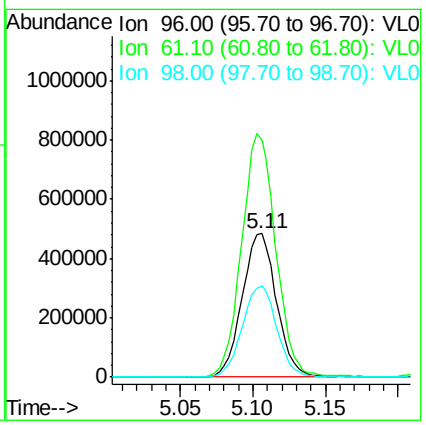


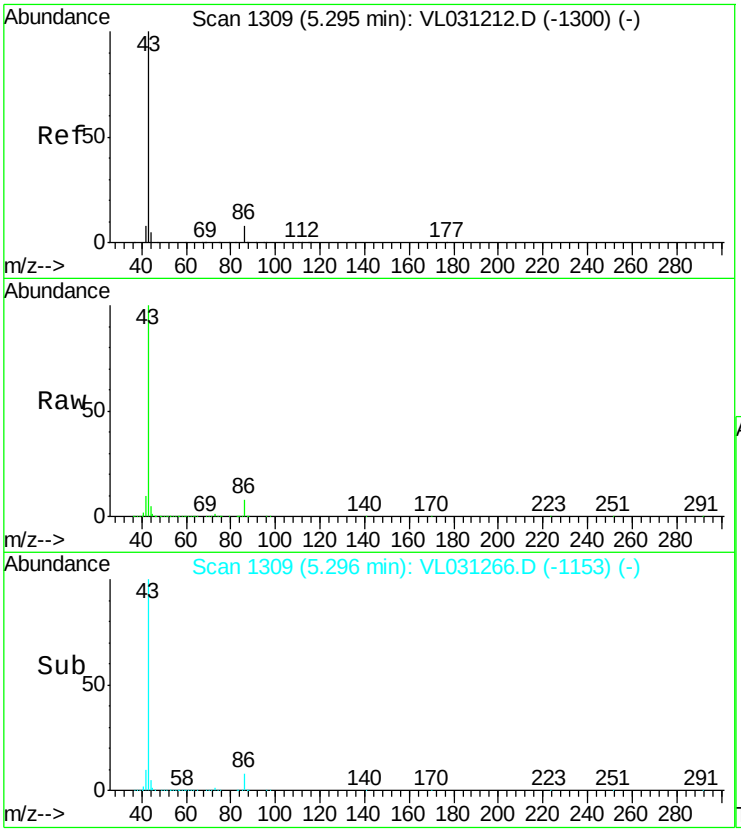


#22
trans-1,2-Dichloroethene
Concen: 8.90 ppbv
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 96 Resp: 798498

Ion	Ratio	Lower	Upper
96	100		
61	165.4	135.0	202.4
98	63.5	50.5	75.7



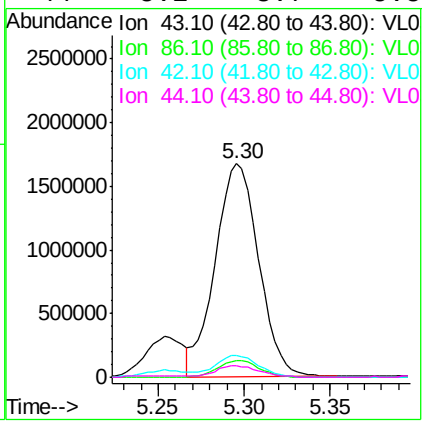


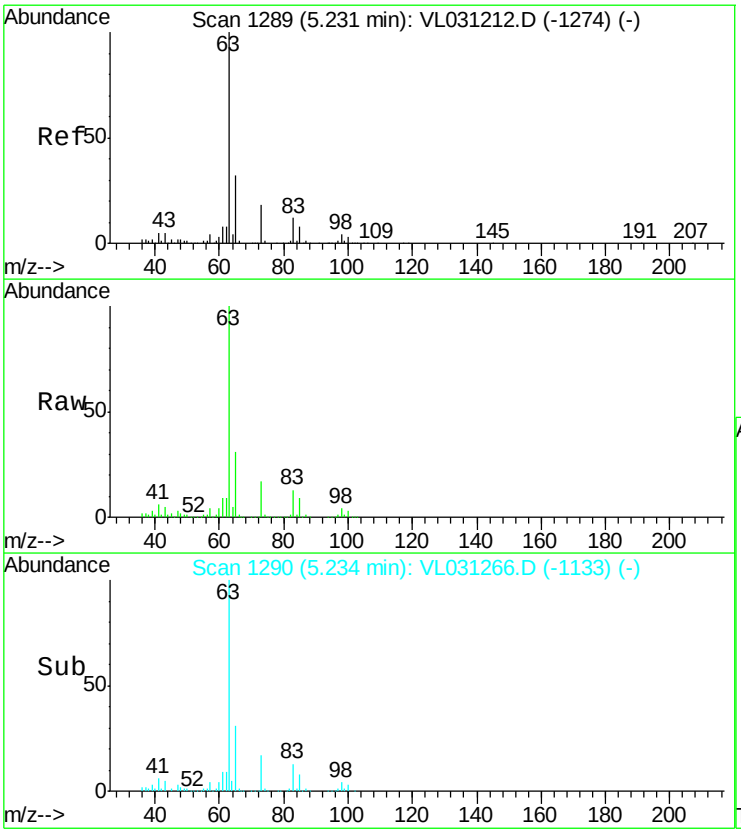
#23
Vinyl Acetate
Concen: 8.28 ppbv
RT: 5.30 min Scan# 1309
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument : MSVOA_L
ClientSampleId : VL1220ABS01

Tgt Ion: 43 Resp: 2948192

Ion	Ratio	Lower	Upper
43	100		
86	8.0	5.9	8.9
42	9.9	7.3	10.9
44	5.2	3.7	5.5

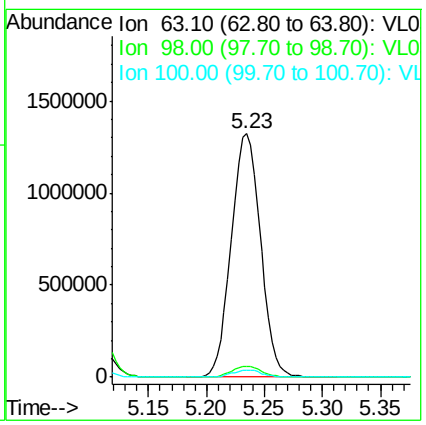


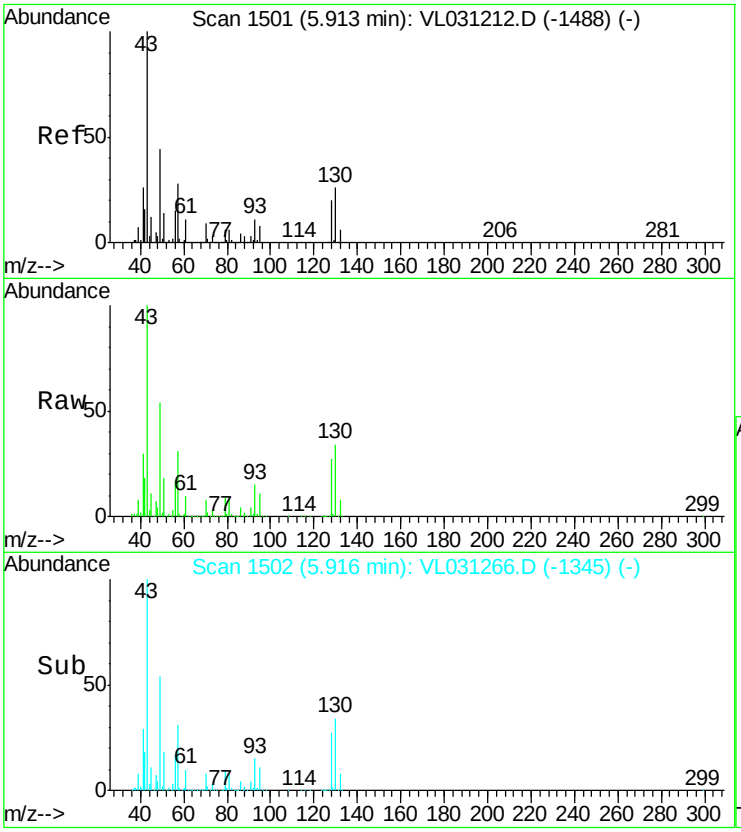


#24
1,1-Dichloroethane
Concen: 8.93 ppbv
RT: 5.23 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 63 Resp: 2309520

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.3	6.8
100	2.9	1.4	4.2



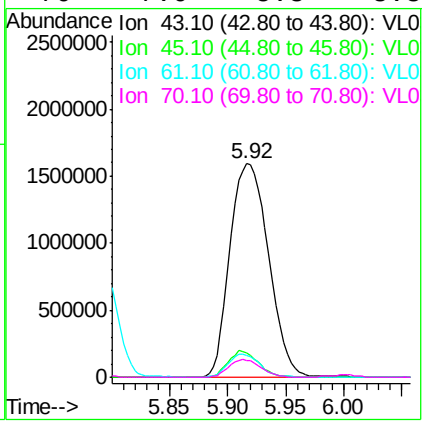


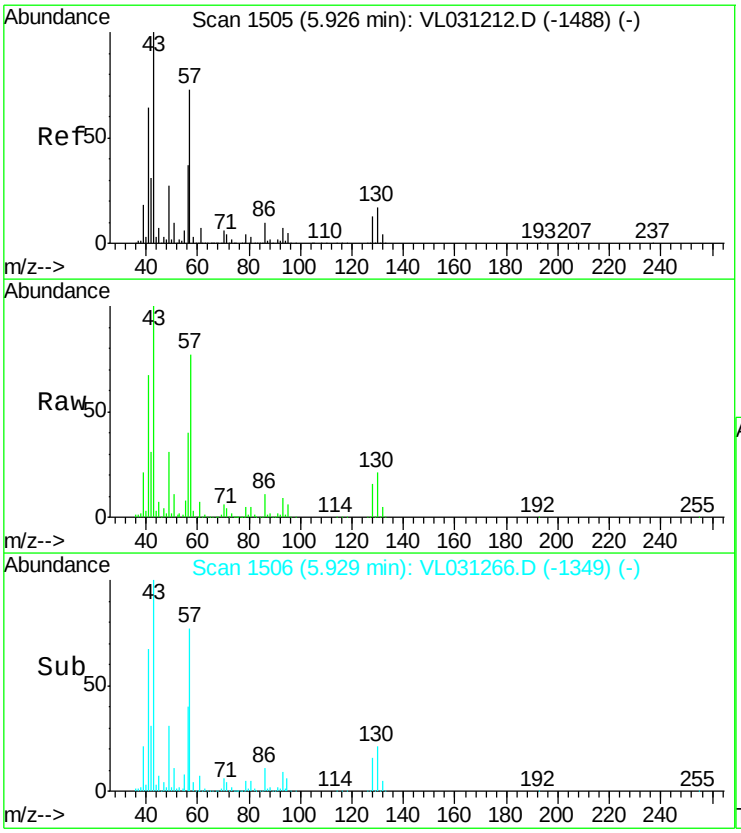
#25
Ethyl Acetate
Concen: 8.15 ppbv
RT: 5.92 min Scan# 1502
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument : MSVOA_L
ClientSampleId : VL1220ABS01

Tgt Ion: 43 Resp: 3676314

Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	8.9	7.4	11.0
70	7.0	5.8	8.8

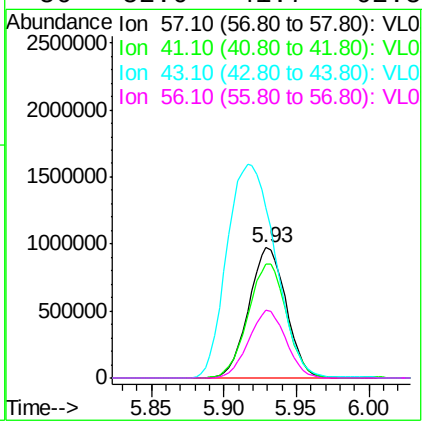


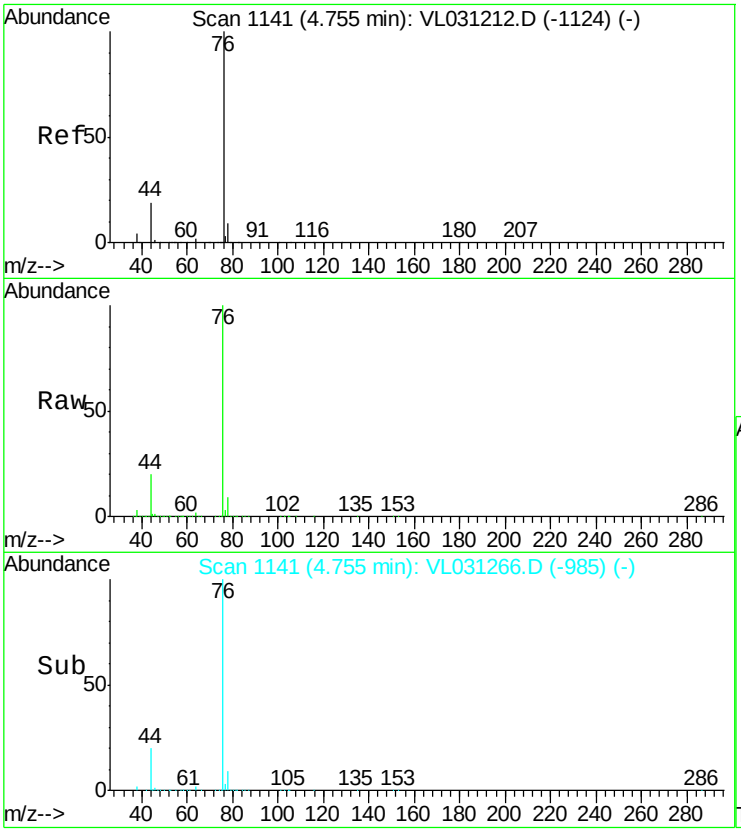


#26
Hexane
Concen: 8.17 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 57 Resp: 1748011

Ion	Ratio	Lower	Upper
57	100		
41	91.2	70.3	105.5
43	211.3	173.8	260.8
56	52.0	41.7	62.5



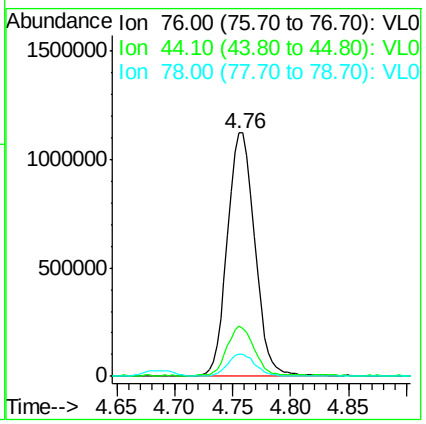


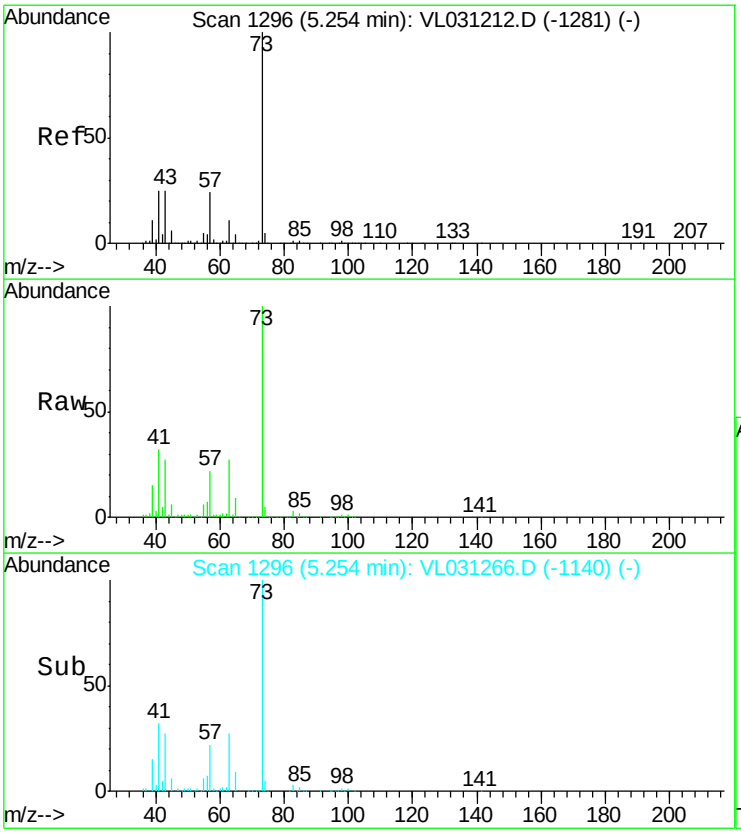
#27
Carbon Disulfide
Concen: 8.63 ppbv
RT: 4.76 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion: 76 Resp: 1849991

Ion	Ratio	Lower	Upper
76	100		
44	19.7	16.0	24.0
78	9.2	7.5	11.3

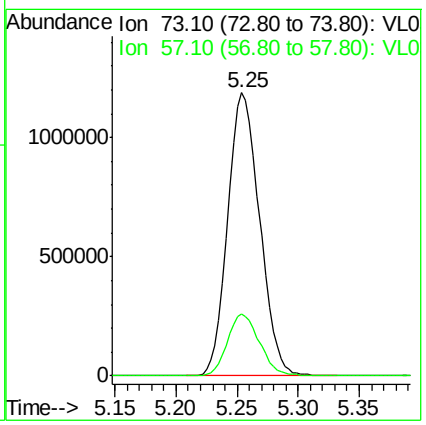


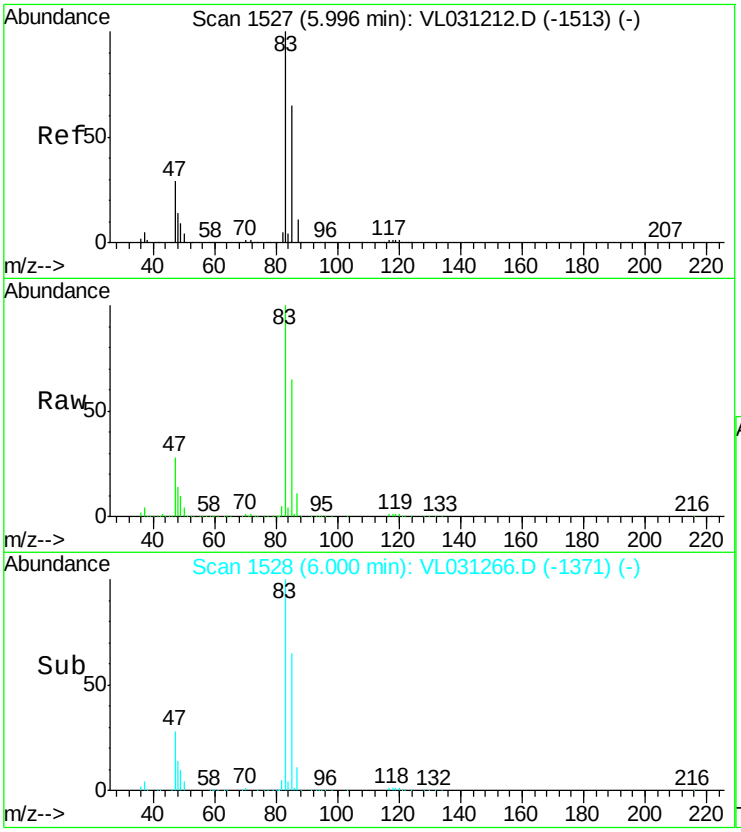


#28
Methyl tert-Butyl Ether
Concen: 7.73 ppbv
RT: 5.25 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 73 Resp: 2163933

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.5	27.7



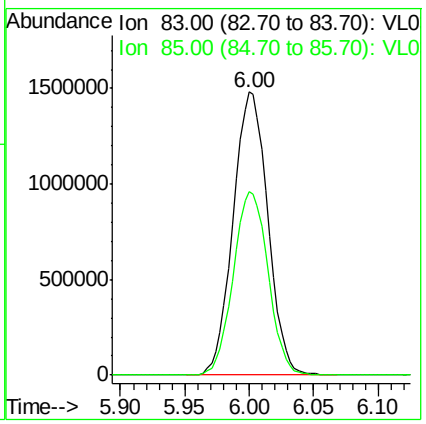


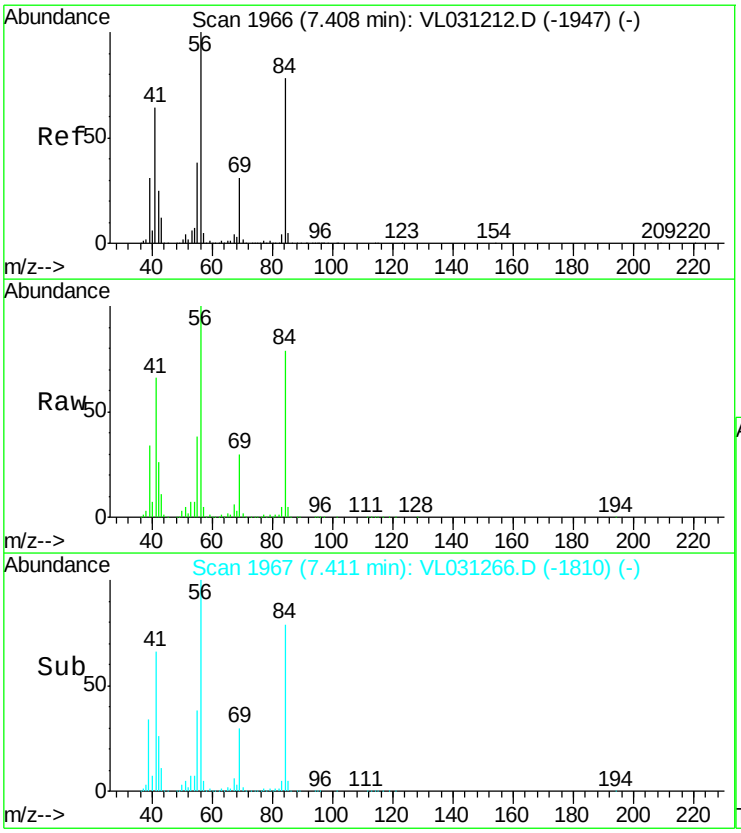
#29
Chloroform
Concen: 9.59 ppbv
RT: 6.00 min Scan# 1528
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion: 83 Resp: 2771255

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6

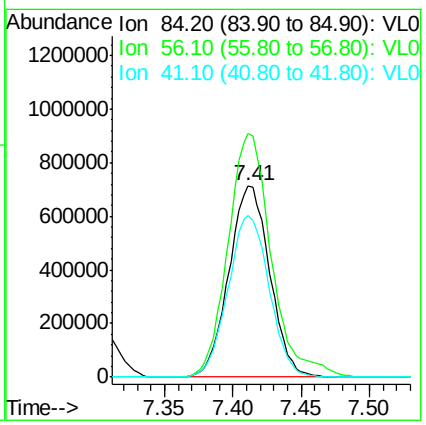


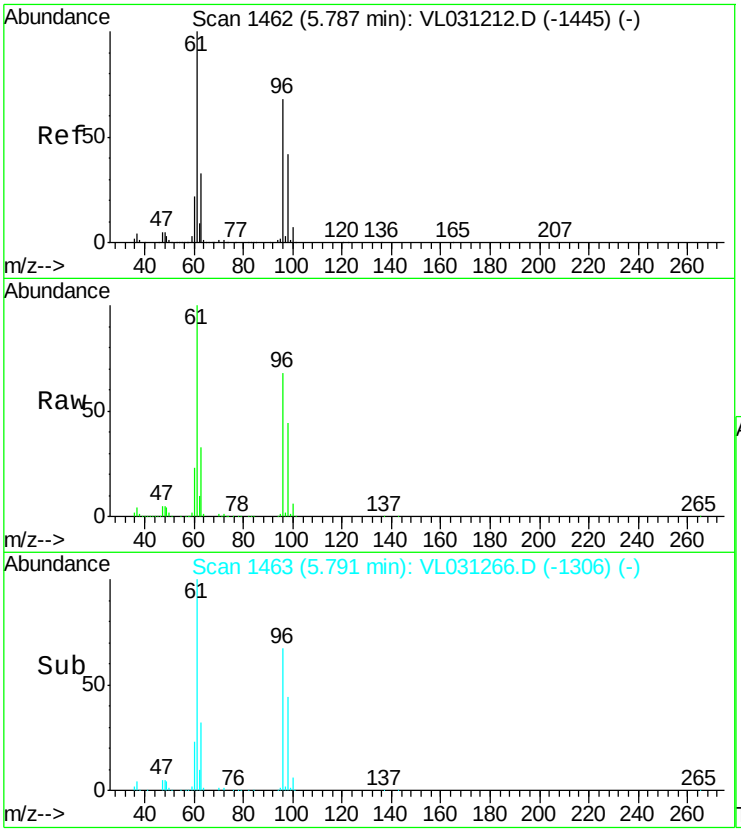


#30
Cyclohexane
Concen: 7.80 ppbv
RT: 7.41 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 84 Resp: 1470127

Ion	Ratio	Lower	Upper
84	100		
56	136.2	108.0	162.0
41	86.0	66.2	99.4



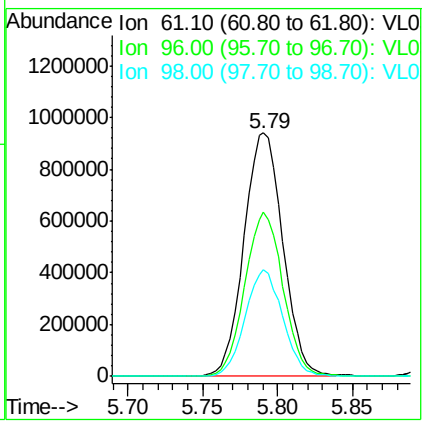


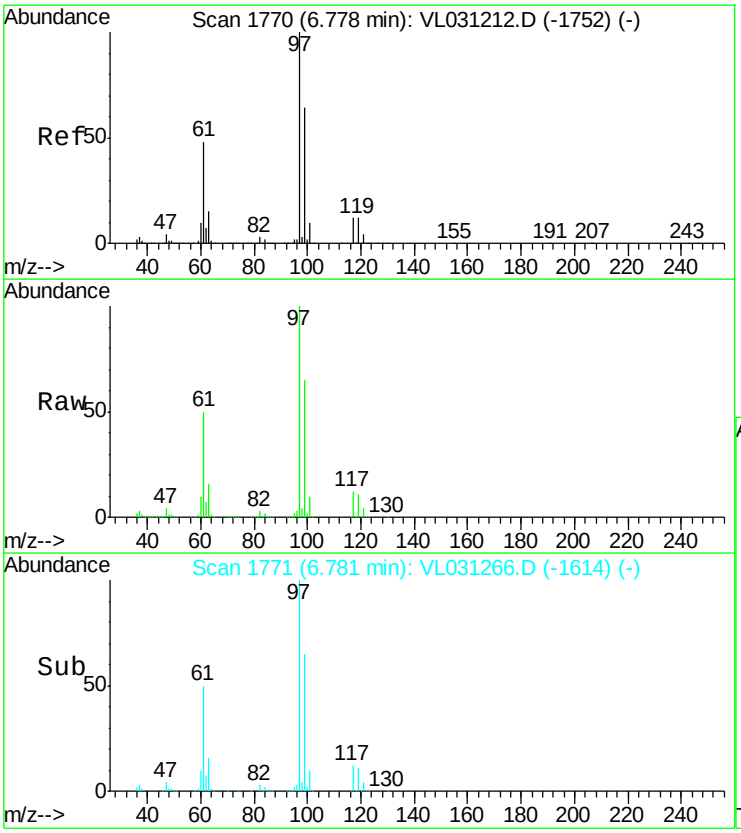
#31
cis-1,2-Dichloroethene
Concen: 8.79 ppbv
RT: 5.79 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion: 61 Resp: 1706711

Ion	Ratio	Lower	Upper
61	100		
96	67.5	54.4	81.6
98	43.7	33.6	50.4

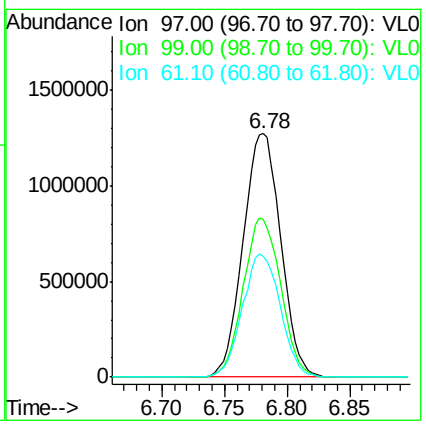


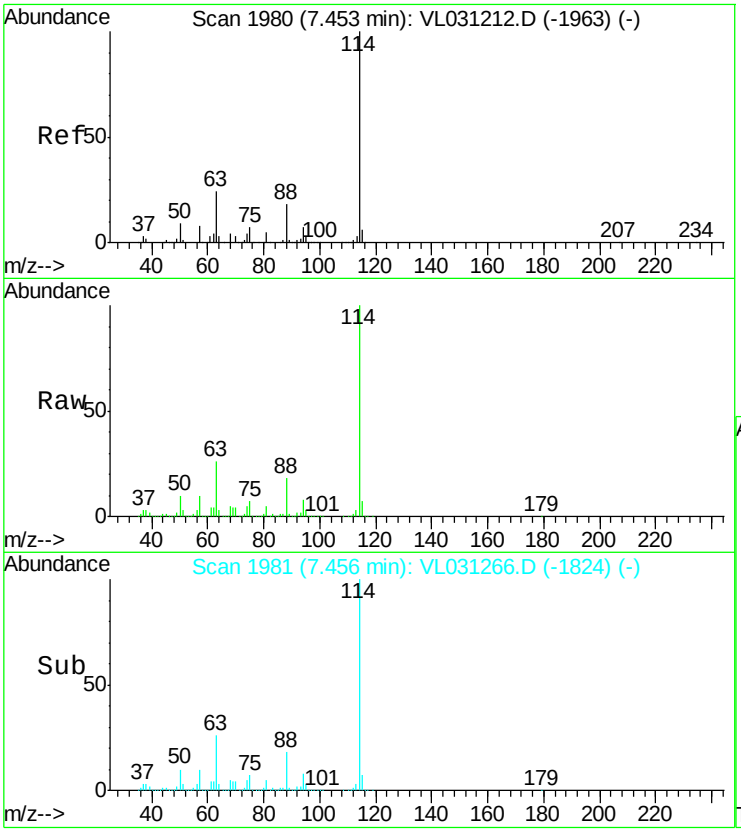


#32
1,1,1-Trichloroethane
Concen: 8.63 ppbv
RT: 6.78 min Scan# 1771
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 97 Resp: 2667484

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.0
61	50.8	38.4	57.6



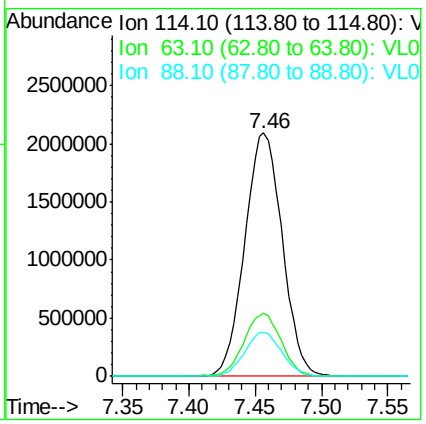


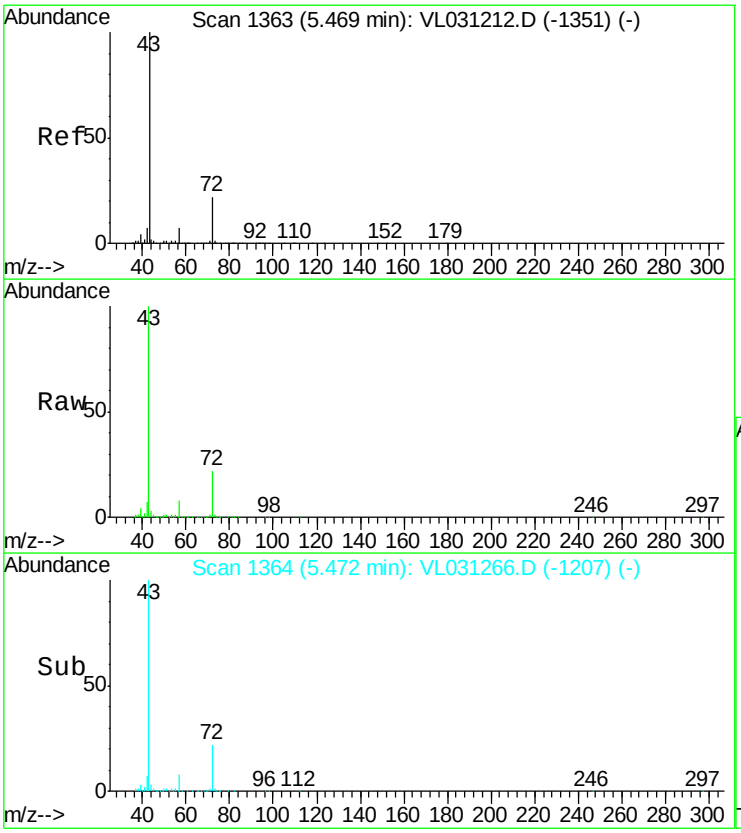
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.46 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion:114 Resp: 4109677

Ion	Ratio	Lower	Upper
114	100		
63	26.1	19.8	29.8
88	17.9	14.2	21.4

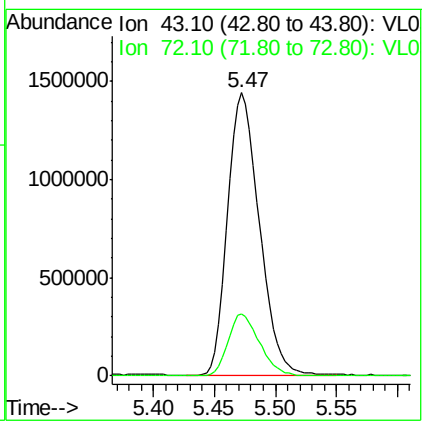


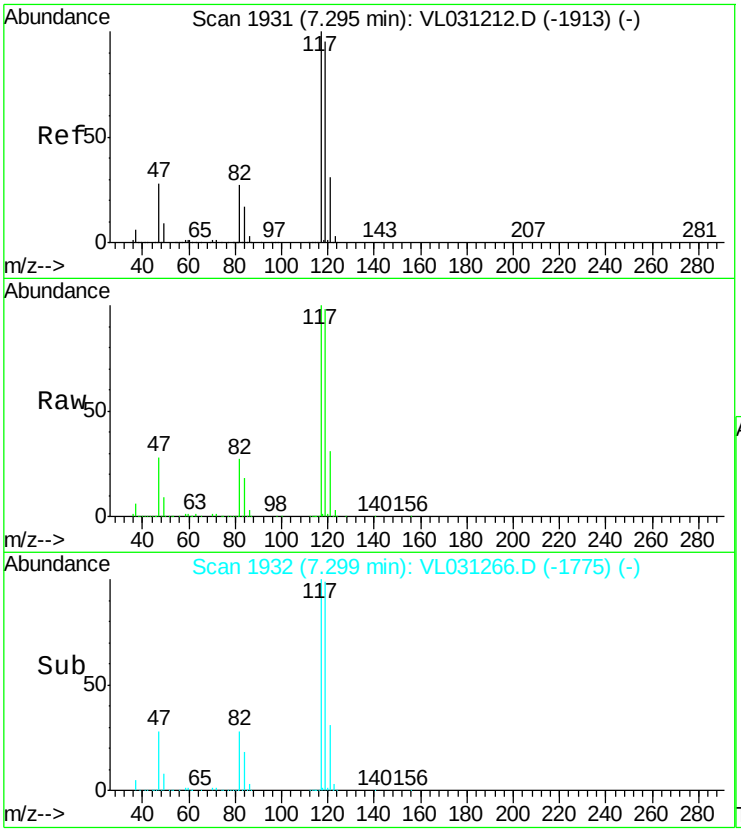


#34
2-Butanone
Concen: 9.04 ppbv
RT: 5.47 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 43 Resp: 2623323

Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.1	27.1



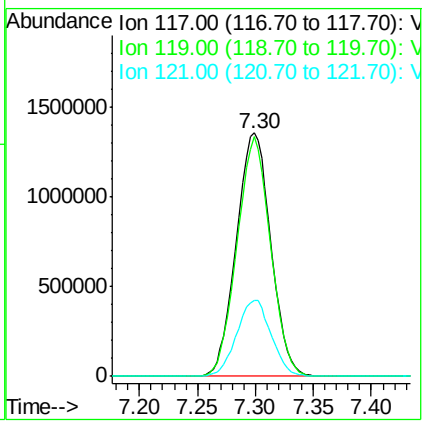


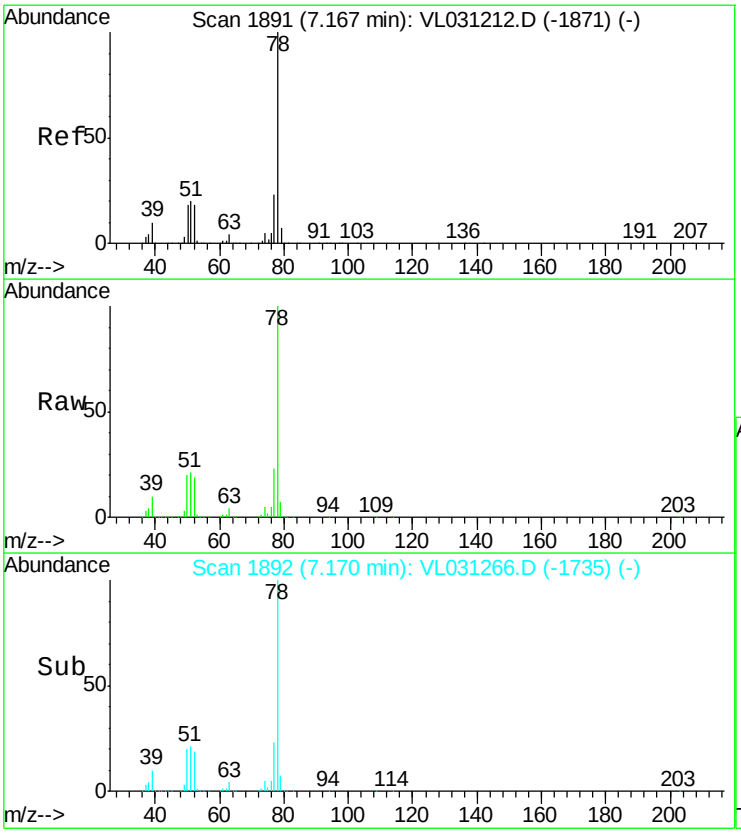
#35
Carbon Tetrachloride
Concen: 9.53 ppbv
RT: 7.30 min Scan# 1932
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion:117 Resp: 2805762

Ion	Ratio	Lower	Upper
117	100		
119	98.3	75.9	113.9
121	31.0	24.6	37.0

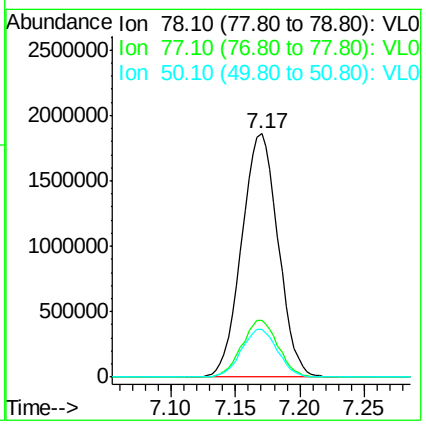


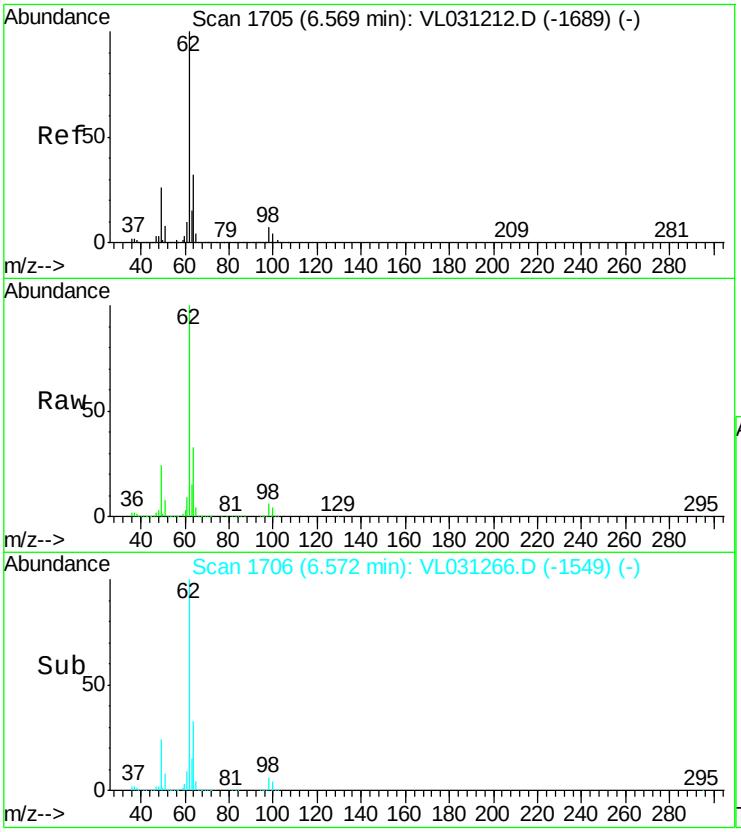


#36
Benzene
Concen: 8.43 ppbv
RT: 7.17 min Scan# 1892
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 78 Resp: 3670615

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.1	27.1
50	19.7	14.6	21.8



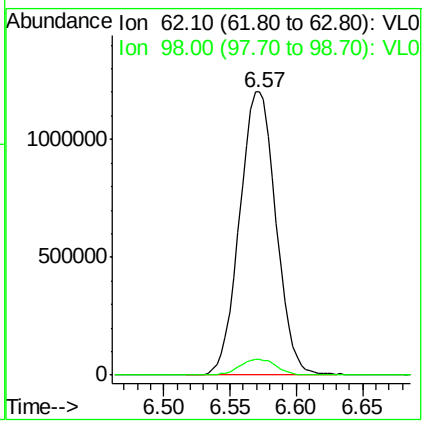


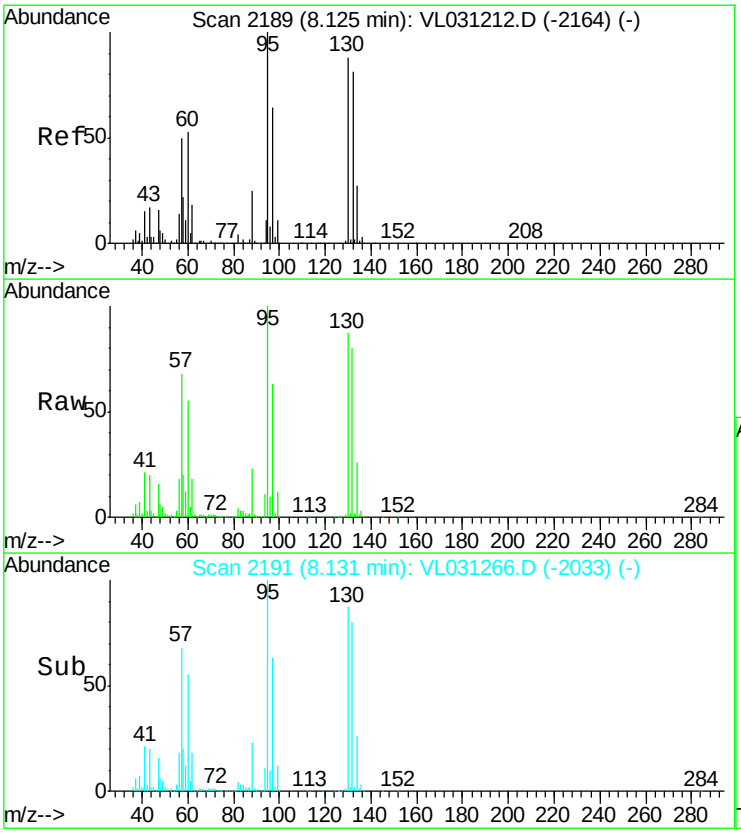
#37
1,2-Dichloroethane
Concen: 9.55 ppbv
RT: 6.57 min Scan# 1706
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument : MSVOA_L
ClientSampleId : VL1220ABS01

Tgt Ion: 62 Resp: 2293625

Ion	Ratio	Lower	Upper
62	100		
98	5.8	5.4	8.2

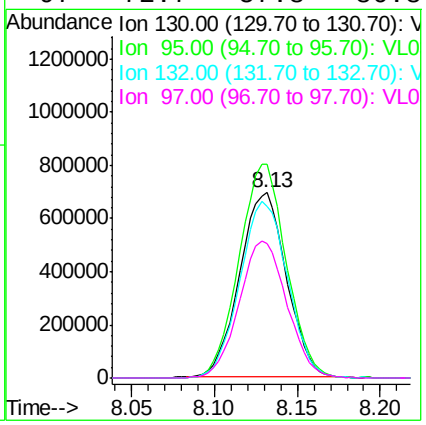


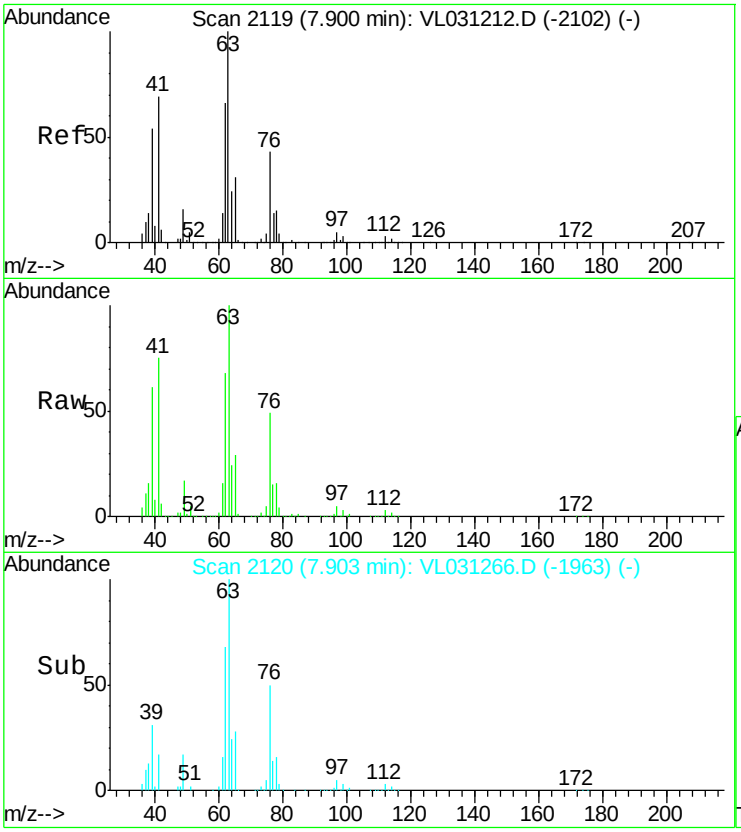


#38
Trichloroethene
Concen: 8.03 ppbv
RT: 8.13 min Scan# 2191
Delta R.T. 0.01 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion:130 Resp: 1364414

Ion	Ratio	Lower	Upper
130	100		
95	115.5	90.6	135.8
132	92.7	73.5	110.3
97	72.7	57.8	86.8



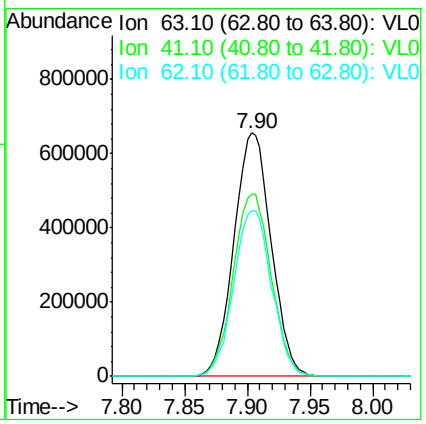


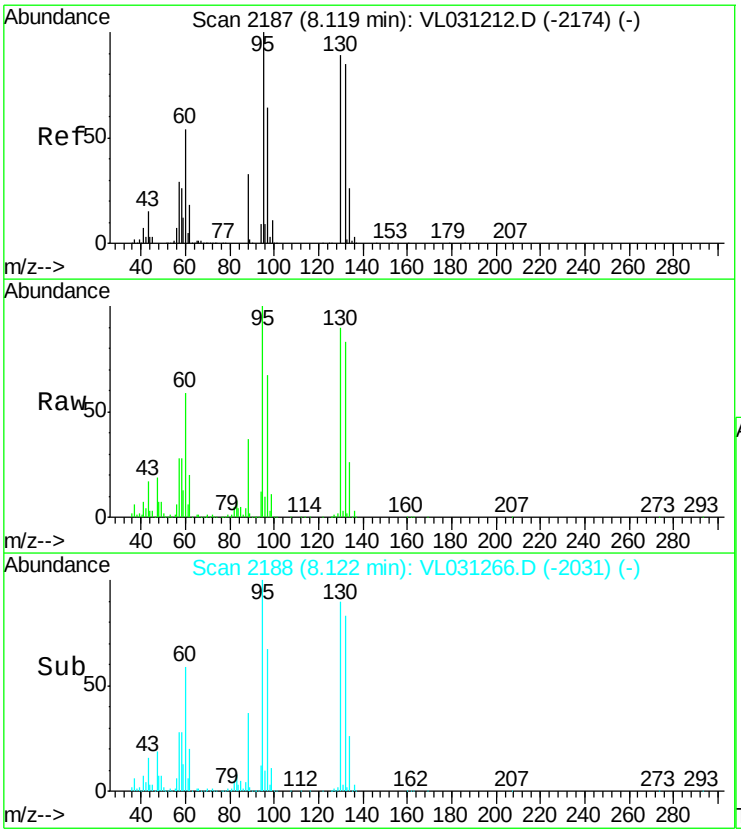
#39
1,2-Dichloropropane
Concen: 8.78 ppbv
RT: 7.90 min Scan# 2120
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion: 63 Resp: 1352796

Ion	Ratio	Lower	Upper
63	100		
41	74.7	55.2	82.8
62	67.8	53.0	79.4

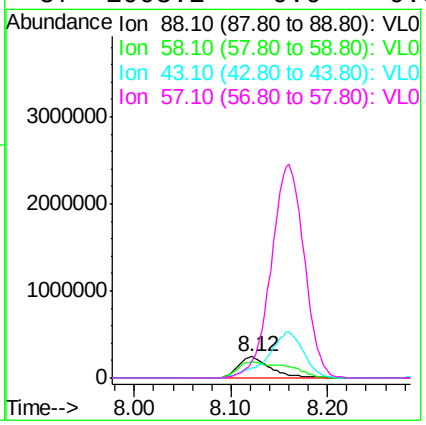


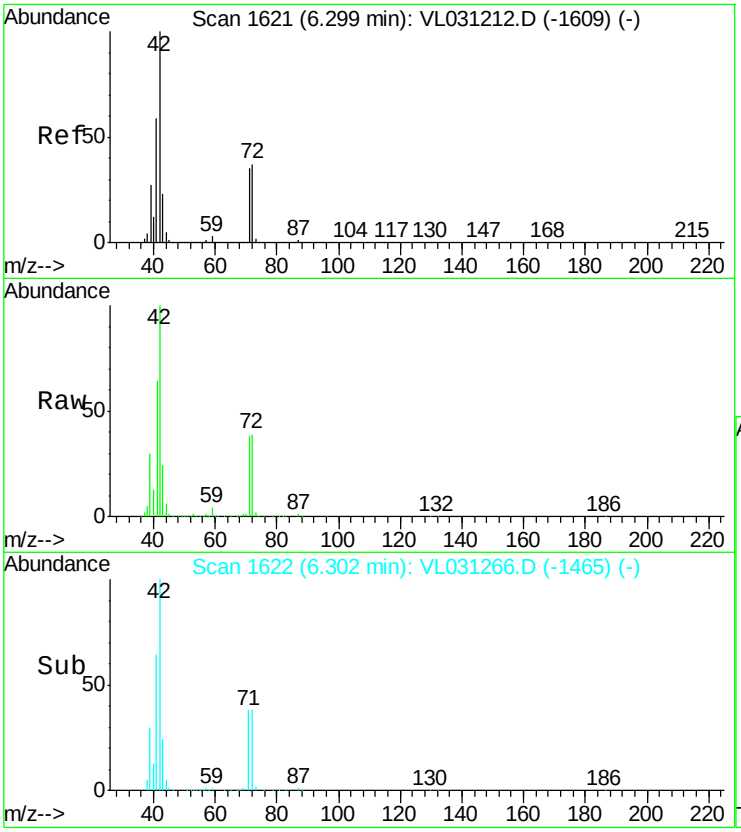


#40
1,4-Dioxane
Concen: 10.45 ppbv
RT: 8.12 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 88 Resp: 580745

Ion	Ratio	Lower	Upper
88	100		
58	119.9	104.3	156.5
43	235.3	0.0	0.0#
57	1003.2	0.0	0.0#



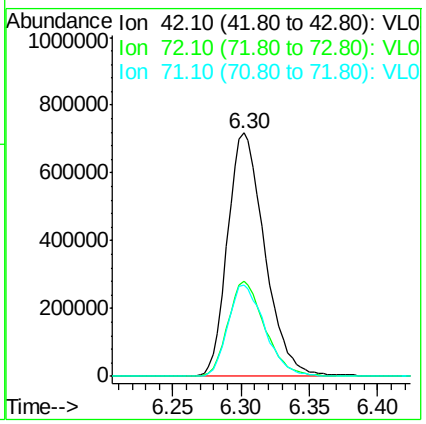


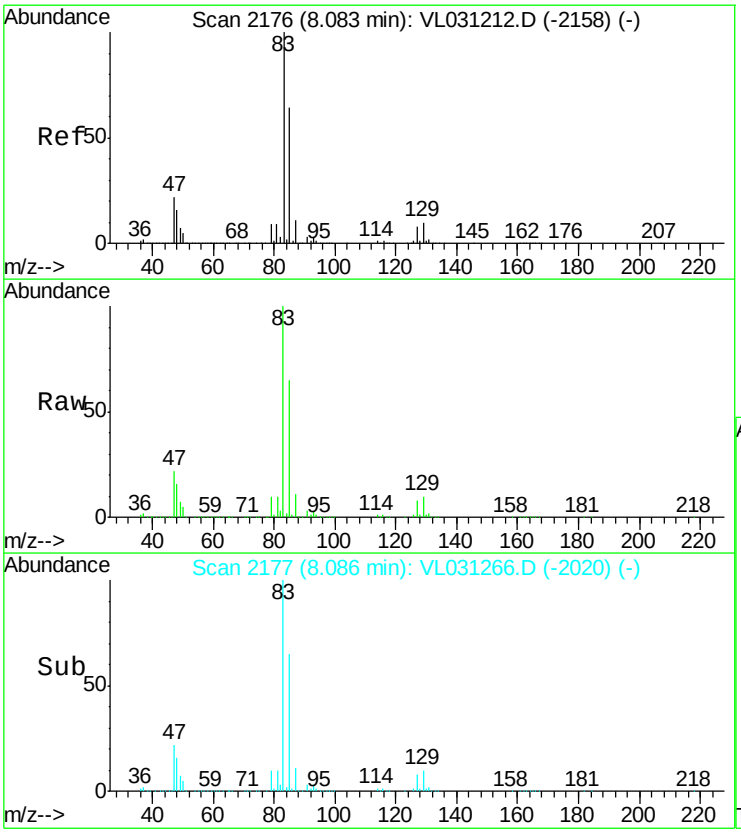
#41
Tetrahydrofuran
Concen: 8.31 ppbv
RT: 6.30 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion: 42 Resp: 1356465

Ion	Ratio	Lower	Upper
42	100		
72	38.8	30.2	45.4
71	37.5	29.0	43.6

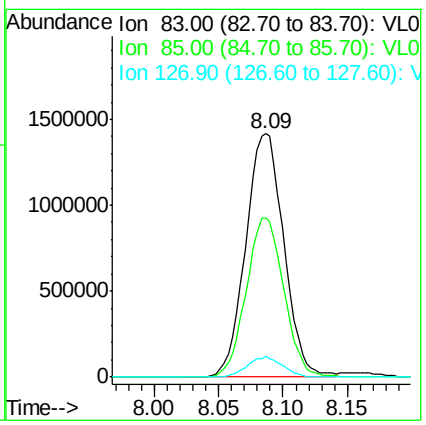


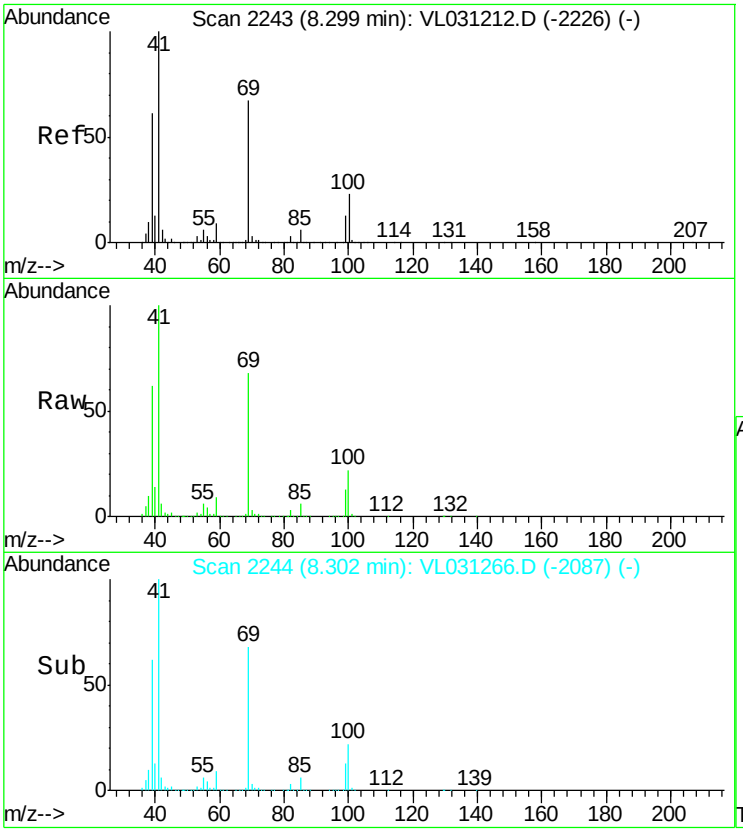


#42
Bromodichloromethane
Concen: 10.32 ppbv
RT: 8.09 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 83 Resp: 2922205

Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.5	77.3
127	8.4	6.5	9.7



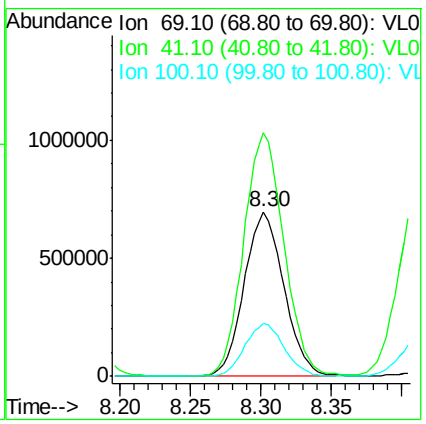


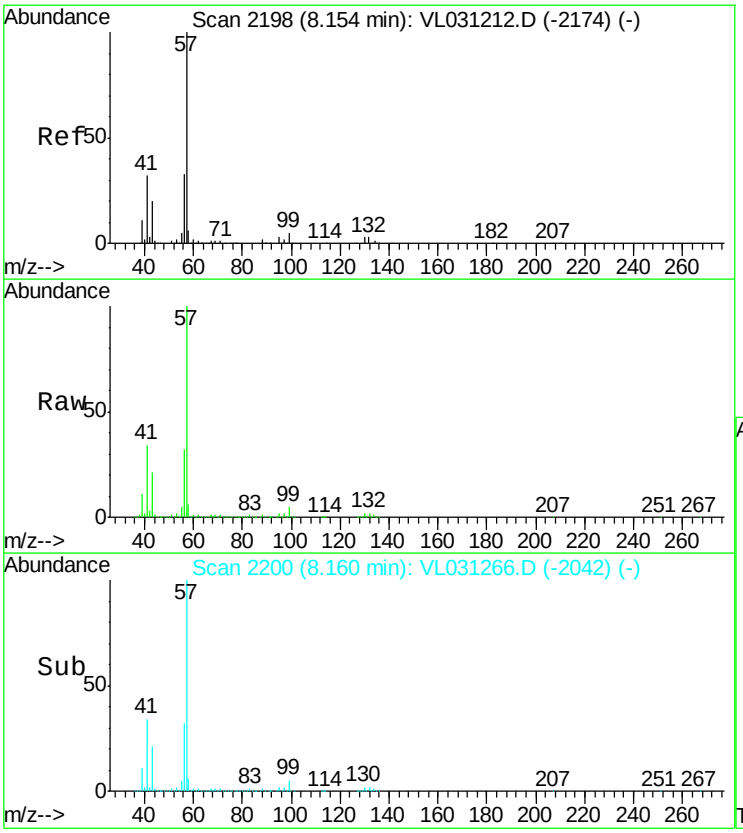
#43
Methyl Methacrylate
Concen: 9.41 ppbv
RT: 8.30 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument : MSVOA_L
ClientSampleId : VL1220ABS01

Tgt Ion: 69 Resp: 1372375

Ion	Ratio	Lower	Upper
69	100		
41	149.8	121.1	181.7
100	31.9	27.4	41.2

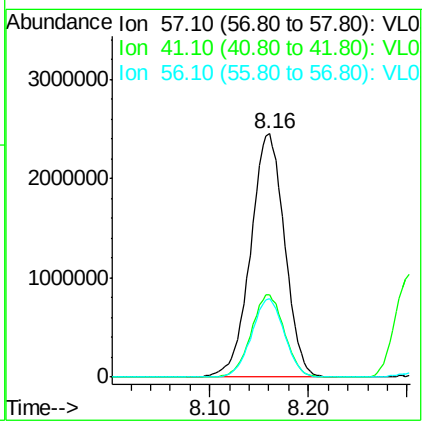


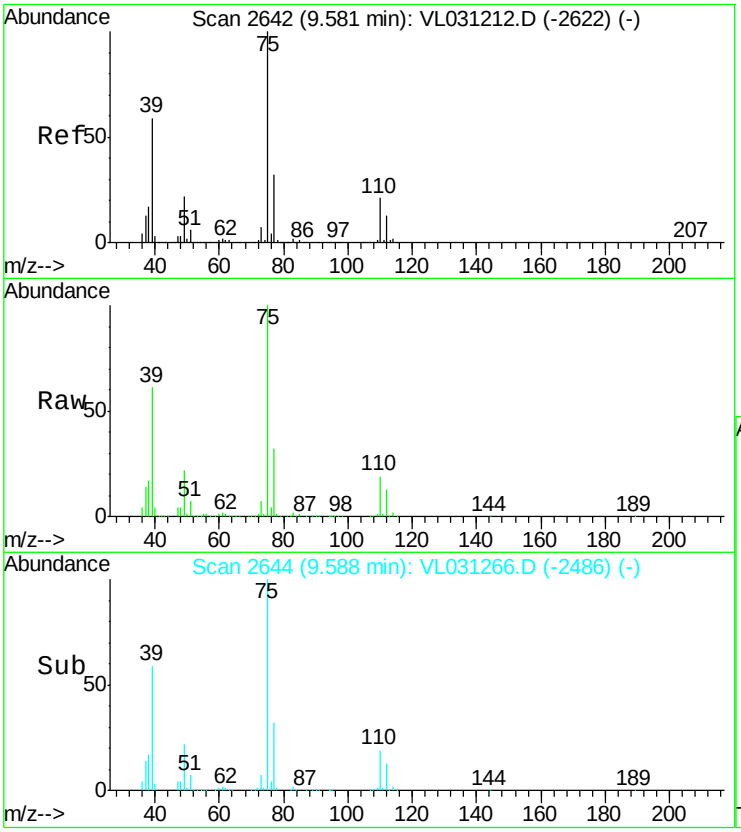


#44
2,2,4-Trimethylpentane
Concen: 8.85 ppbv
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 57 Resp: 5821168

Ion	Ratio	Lower	Upper
57	100		
41	33.0	25.5	38.3
56	31.1	25.0	37.6



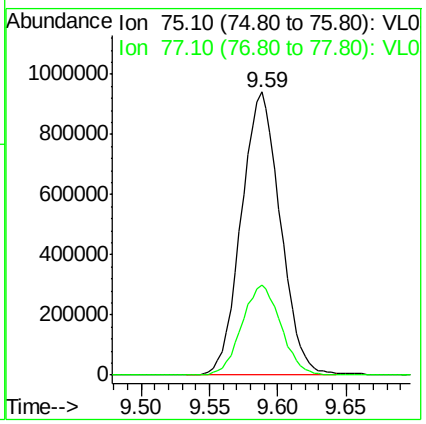


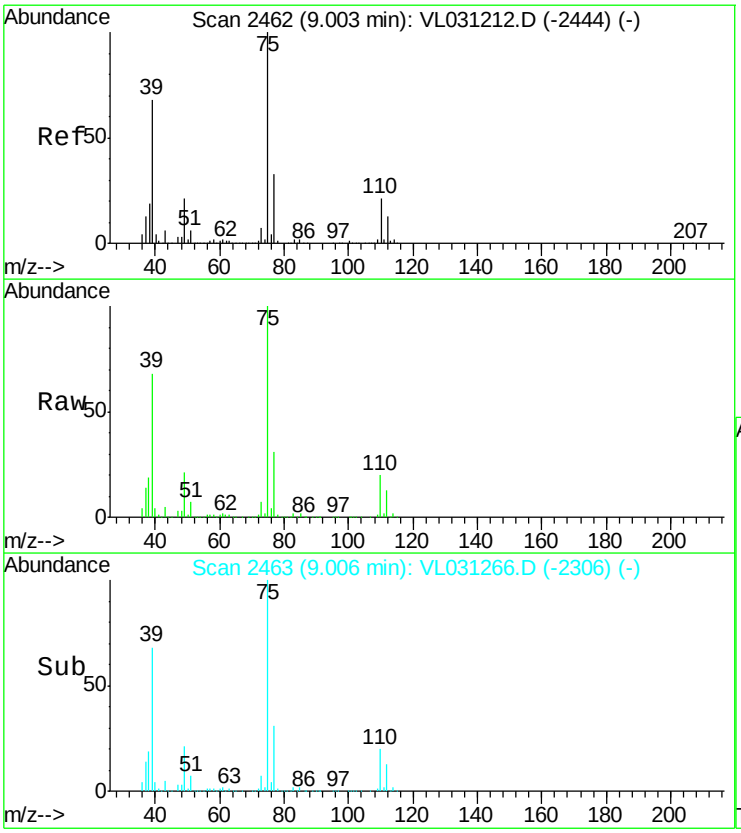
#45
t-1,3-Dichloropropene
Concen: 9.35 ppbv
RT: 9.59 min Scan# 2644
Delta R.T. 0.01 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion: 75 Resp: 1864806

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

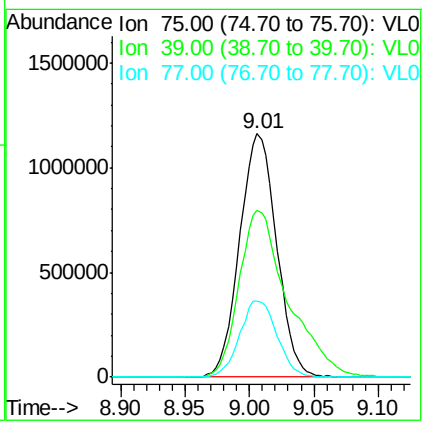


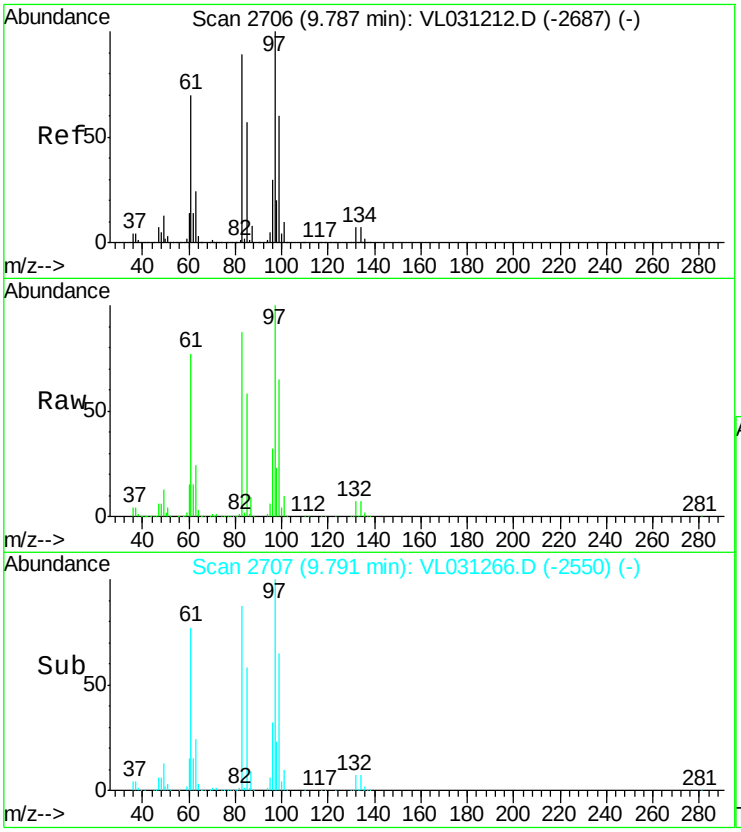


#46
cis-1,3-Dichloropropene
Concen: 9.25 ppbv
RT: 9.01 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 75 Resp: 2321455

Ion	Ratio	Lower	Upper
75	100		
39	68.3	54.2	81.4
77	31.4	26.2	39.4



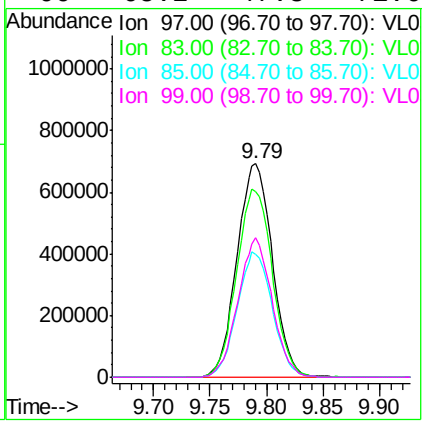


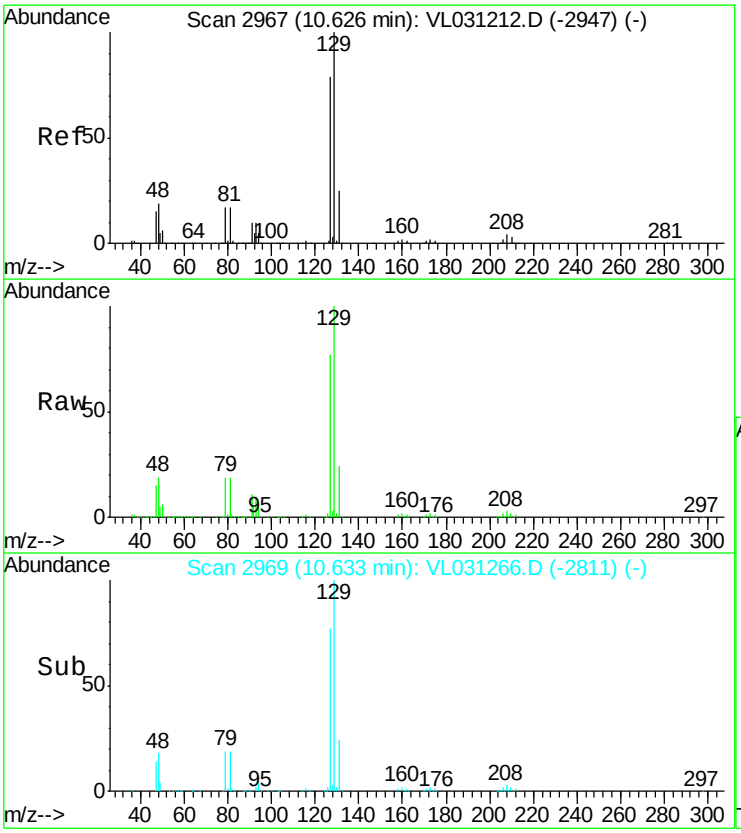
#47
1,1,2-Trichloroethane
Concen: 9.47 ppbv
RT: 9.79 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion: 97 Resp: 1512080

Ion	Ratio	Lower	Upper
97	100		
83	87.1	71.0	106.4
85	57.7	45.3	67.9
99	65.2	47.8	71.6

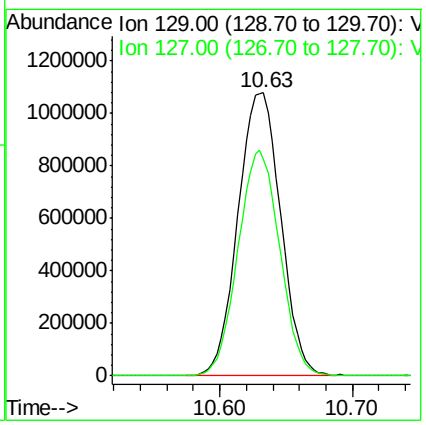


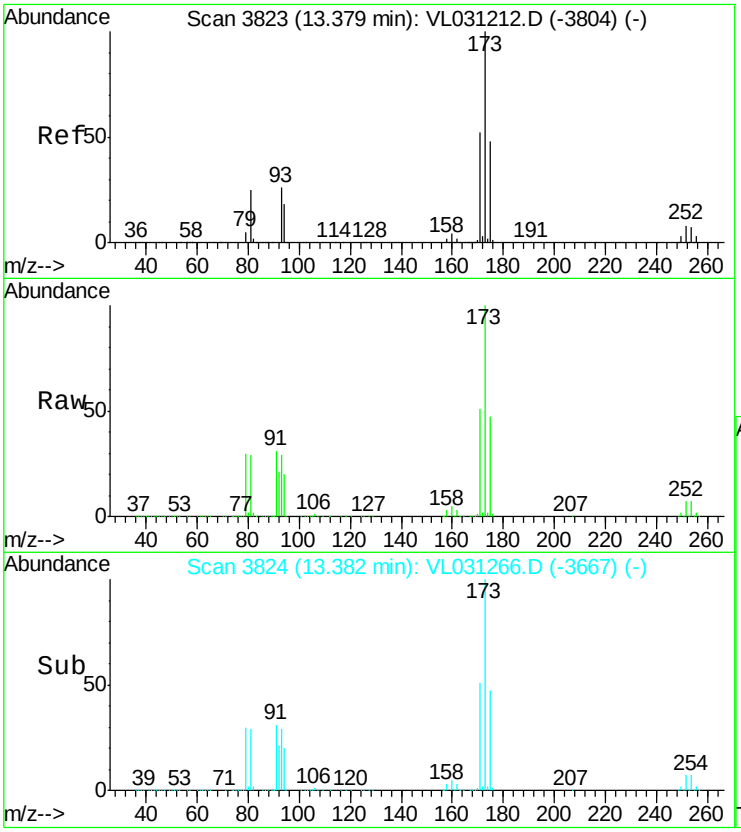


#48
Dibromochloromethane
Concen: 9.71 ppbv
RT: 10.63 min Scan# 2969
Delta R.T. 0.01 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion:129 Resp: 2423301

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.1	117.5



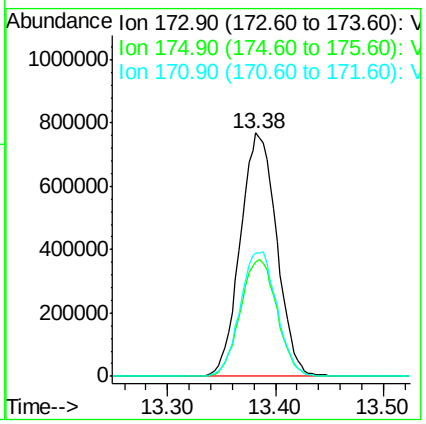


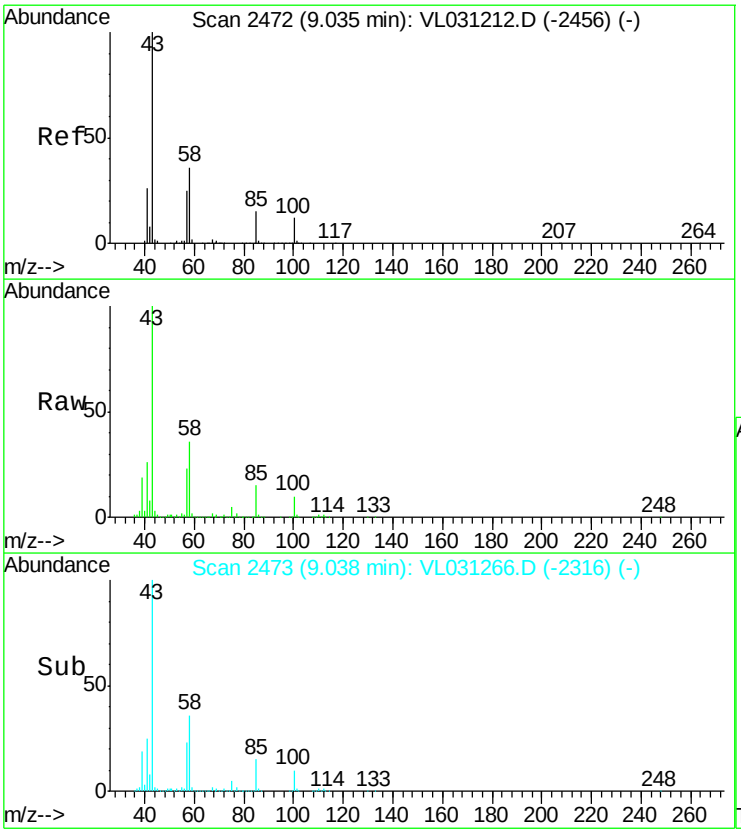
#49
Bromoform
Concen: 9.78 ppbv
RT: 13.38 min Scan# 3824
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion:173 Resp: 1800052

Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.0	58.4
171	51.8	41.8	62.8

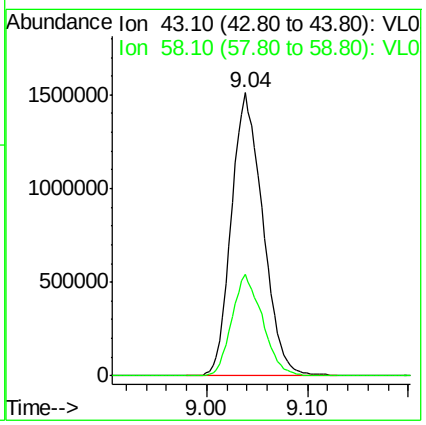


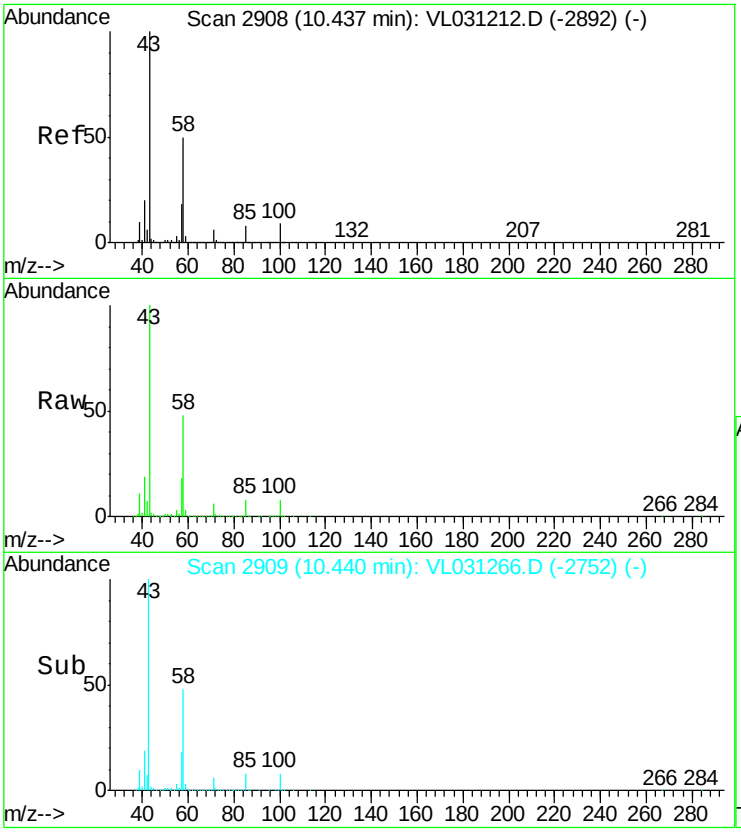


#50
4-Methyl-2-Pentanone
Concen: 9.20 ppbv
RT: 9.04 min Scan# 2473
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 43 Resp: 3268725

Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.8	43.2



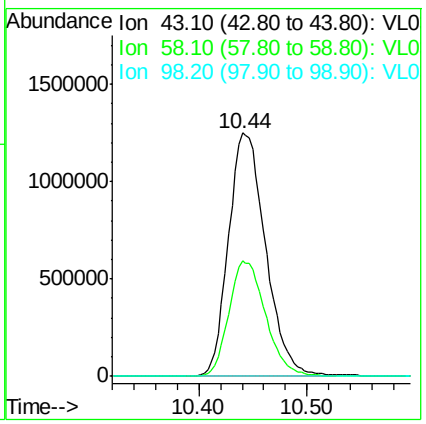


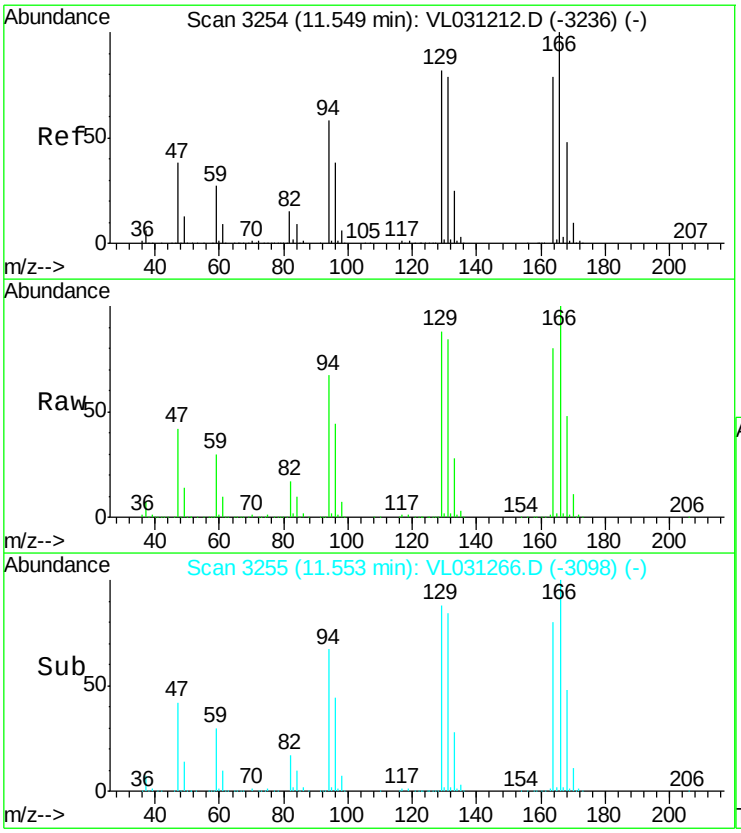
#51
2-Hexanone
Concen: 8.83 ppbv
RT: 10.44 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument : MSVOA_L
ClientSampleId : VL1220ABS01

Tgt Ion: 43 Resp: 2994662

Ion	Ratio	Lower	Upper
43	100		
58	47.1	39.8	59.6
98	0.1	0.0	0.0#

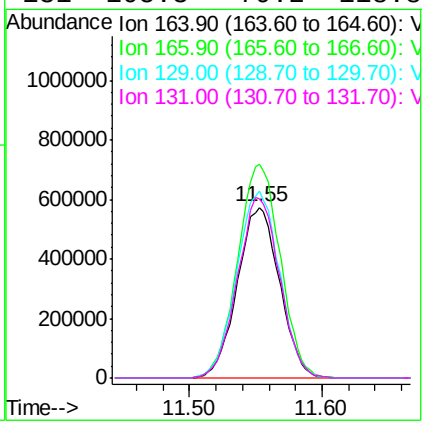


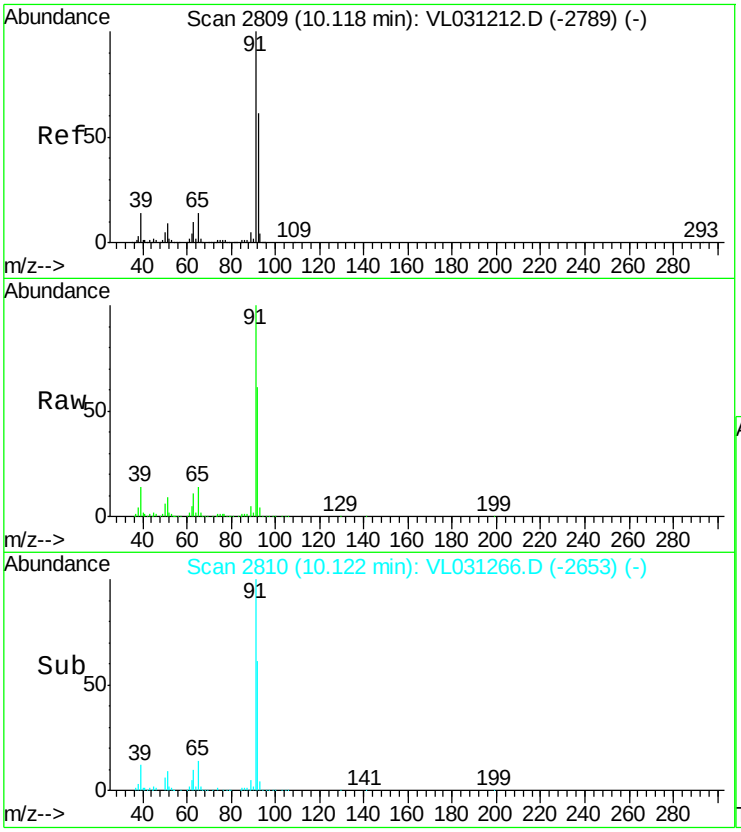


#52
Tetrachloroethene
Concen: 7.87 ppbv
RT: 11.55 min Scan# 3255
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion:164 Resp: 1265028

Ion	Ratio	Lower	Upper
164	100		
166	125.1	100.6	151.0
129	109.9	82.9	124.3
131	105.3	79.2	118.8



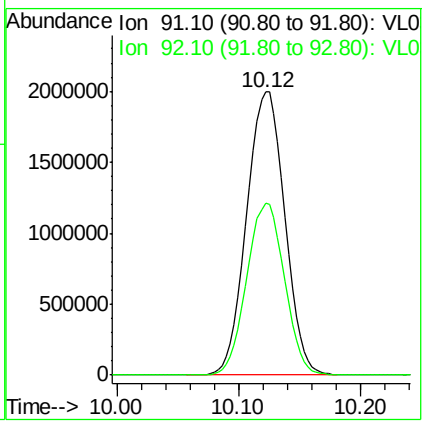


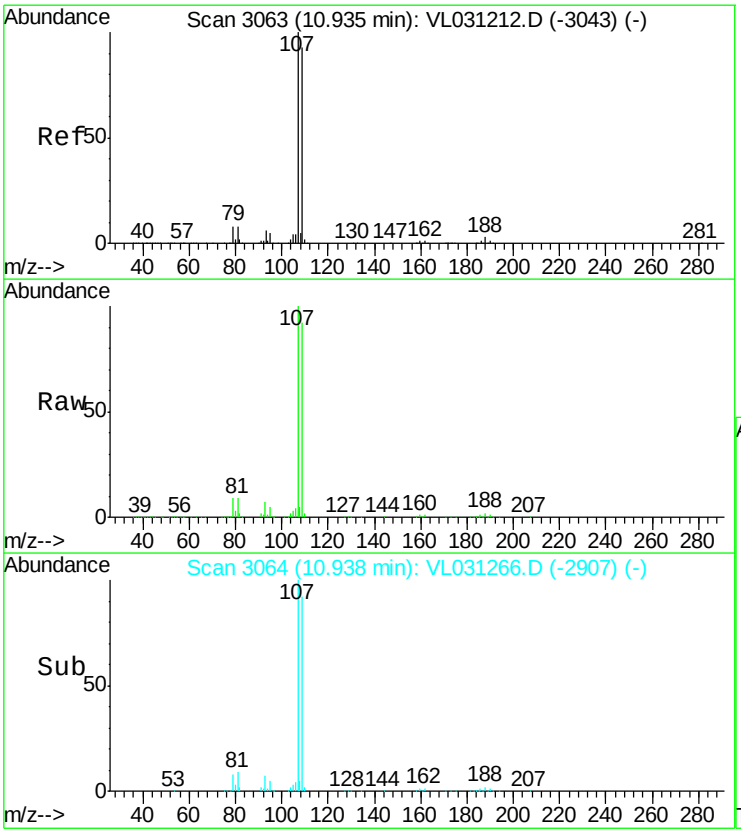
#53
Toluene
Concen: 9.15 ppbv
RT: 10.12 min Scan# 2810
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument : MSVOA_L
ClientSampleId : VL1220ABS01

Tgt Ion: 91 Resp: 4323364

Ion	Ratio	Lower	Upper
91	100		
92	60.2	49.1	73.7

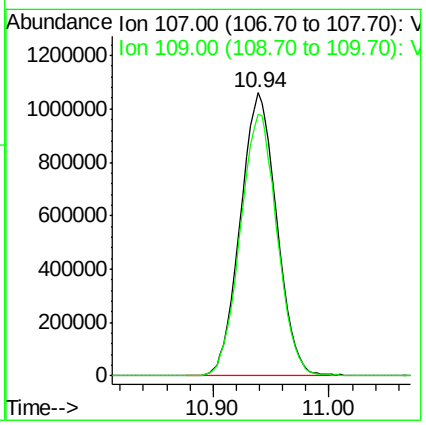


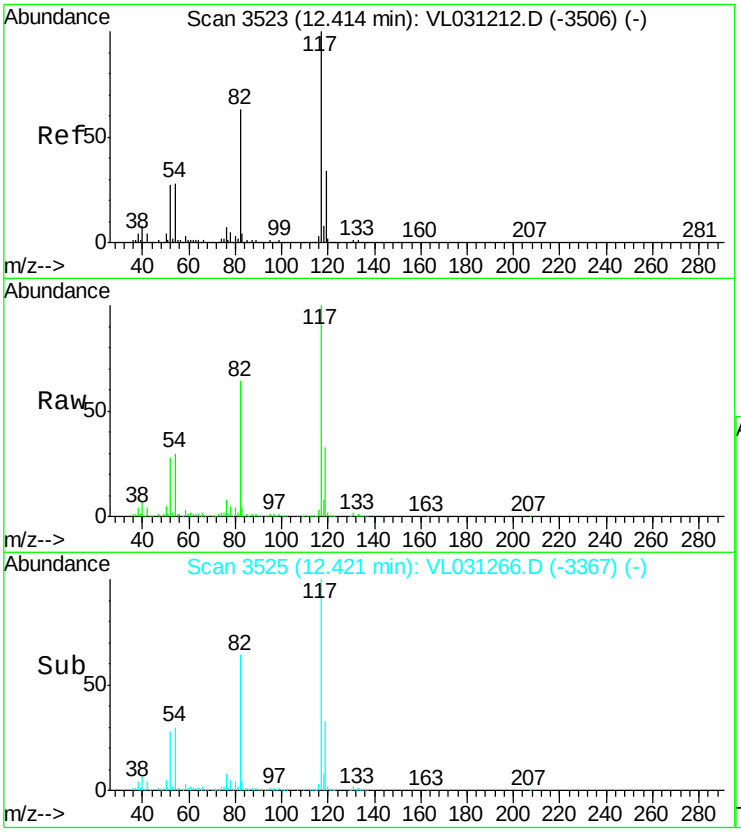


#54
1,2-Dibromoethane
Concen: 9.57 ppbv
RT: 10.94 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion:107 Resp: 2315946

Ion	Ratio	Lower	Upper
107	100		
109	92.4	74.7	112.1



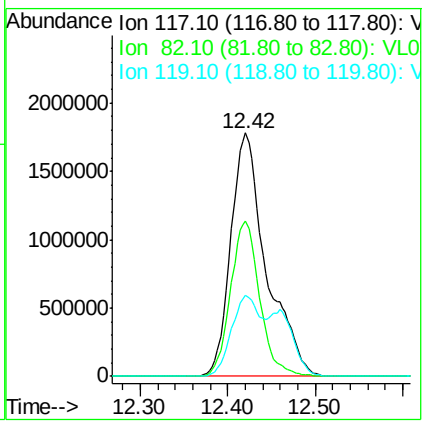


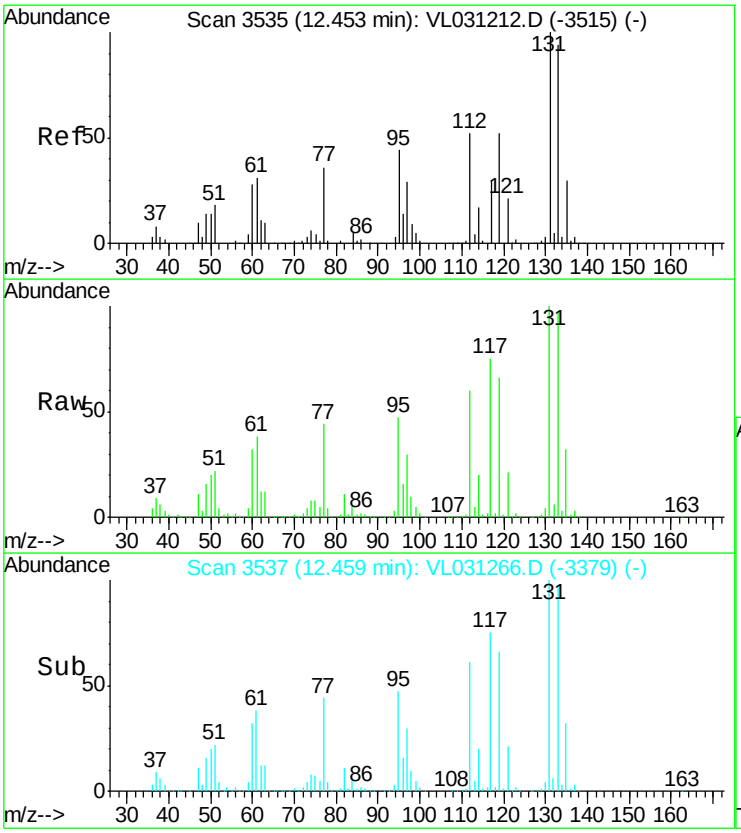
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.42 min Scan# 3525
Delta R.T. 0.01 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion:117 Resp: 5020464

Ion	Ratio	Lower	Upper
117	100		
82	52.5	48.1	72.1
119	46.4	23.1	34.7#

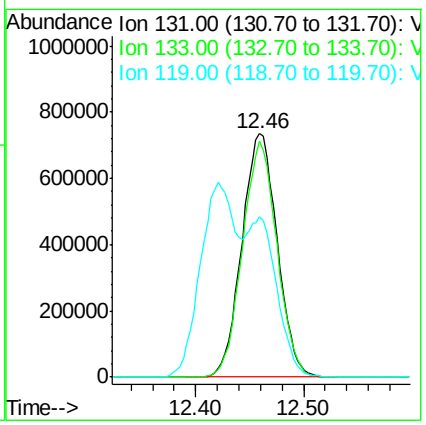


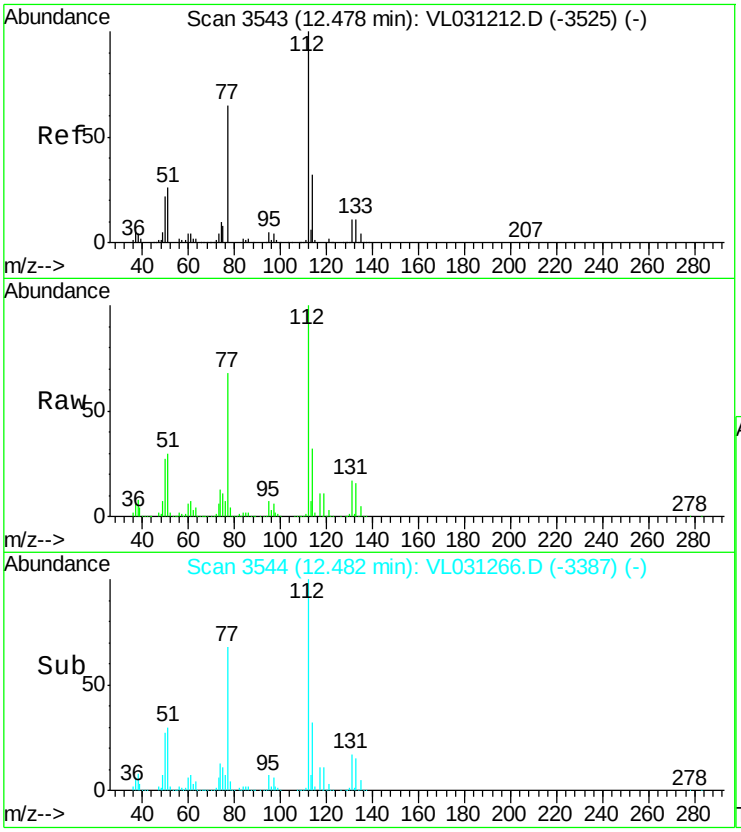


#56
1,1,1,2-Tetrachloroethane
Concen: 7.47 ppbv
RT: 12.46 min Scan# 3537
Delta R.T. 0.01 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion:131 Resp: 1672018

Ion	Ratio	Lower	Upper
131	100		
133	94.8	76.1	114.1
119	139.6	108.5	162.7



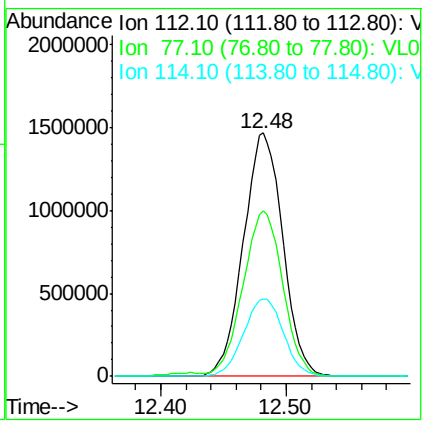


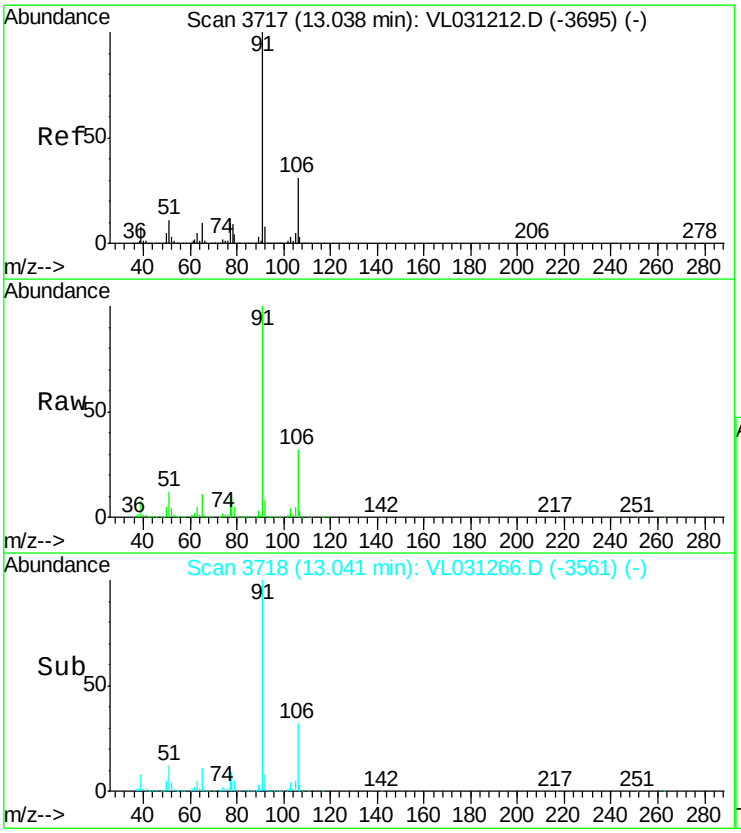
#57
Chlorobenzene
Concen: 6.86 ppbv
RT: 12.48 min Scan# 3544
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument : MSVOA_L
ClientSampleId : VL1220ABS01

Tgt Ion:112 Resp: 3210062

Ion	Ratio	Lower	Upper
112	100		
77	67.6	52.9	79.3
114	31.9	29.1	35.5

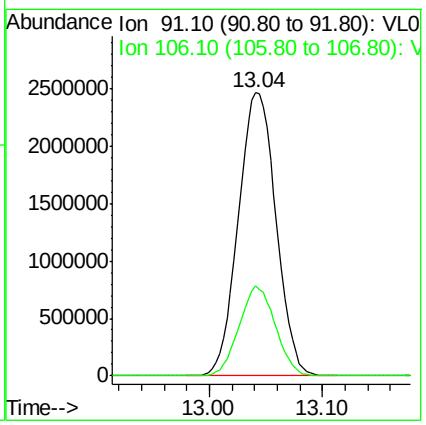


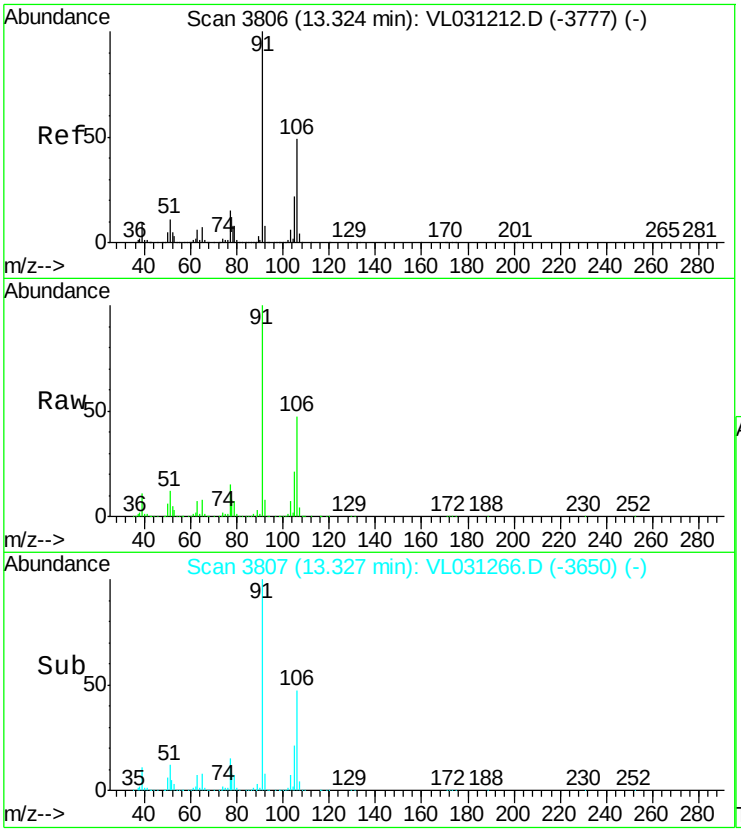


#58
Ethyl Benzene
Concen: 6.89 ppbv
RT: 13.04 min Scan# 3718
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 91 Resp: 5709198

Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.1	37.7



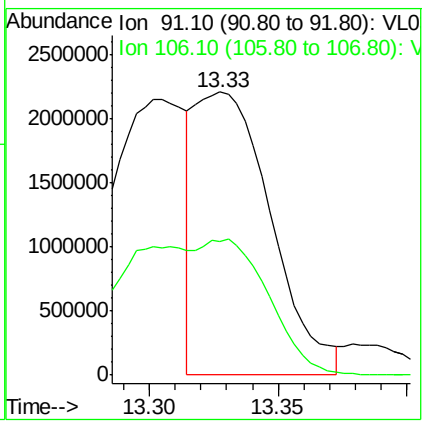


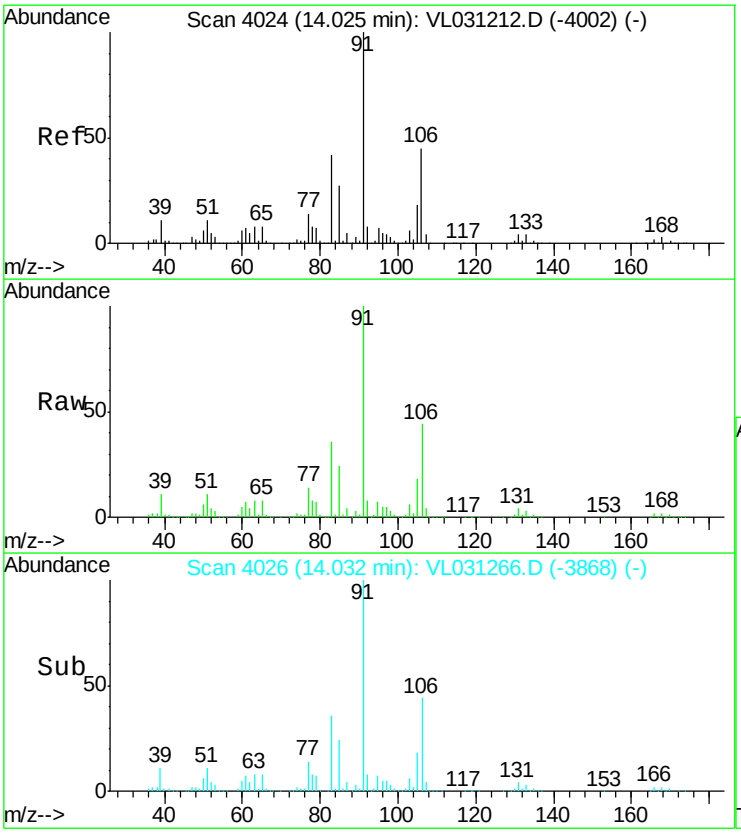
#59
m/p-Xylene
Concen: 6.76 ppbv
RT: 13.33 min Scan# 3807
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument : MSVOA_L
ClientSampleId : VL1220ABS01

Tgt Ion: 91 Resp: 4483876

Ion	Ratio	Lower	Upper
91	100		
106	93.8	38.5	57.7#

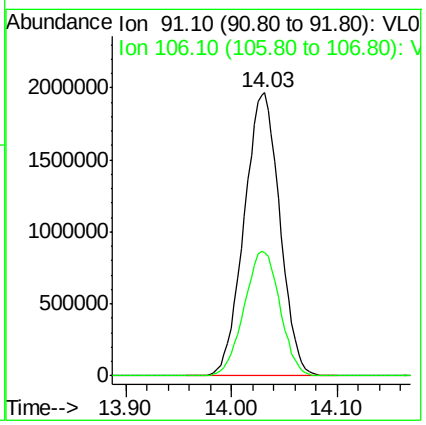


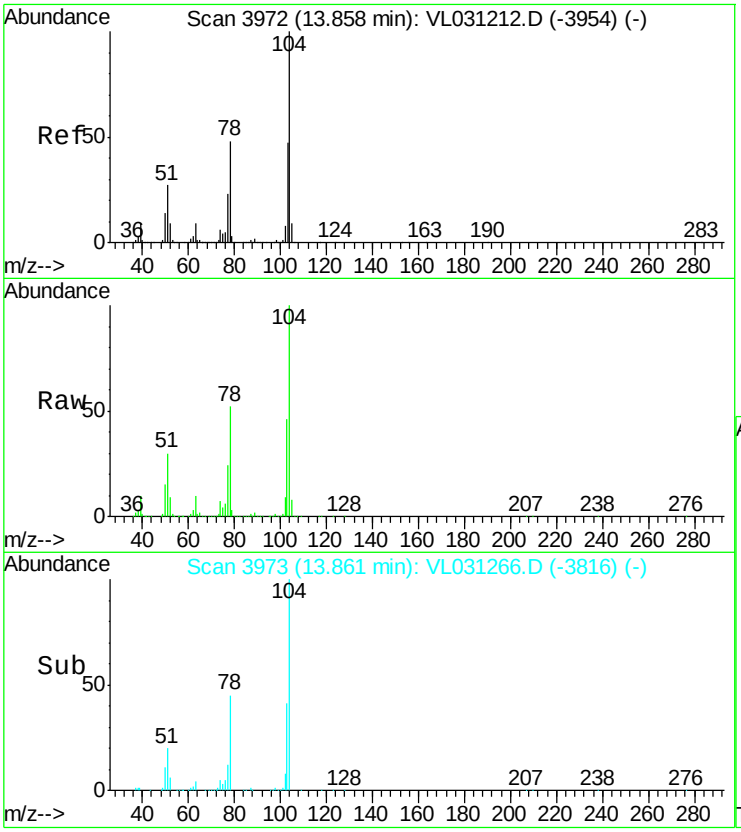


#60
o-Xylene
Concen: 6.90 ppbv
RT: 14.03 min Scan# 4026
Delta R.T. 0.01 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 91 Resp: 4616117

Ion	Ratio	Lower	Upper
91	100		
106	44.3	22.7	68.1



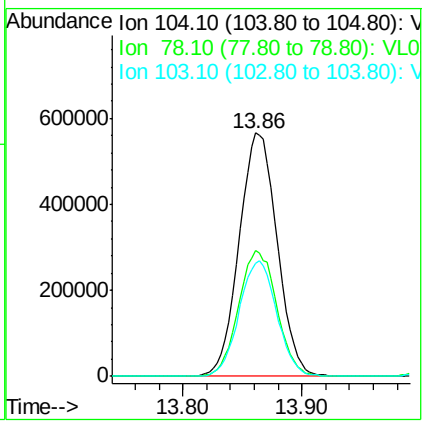


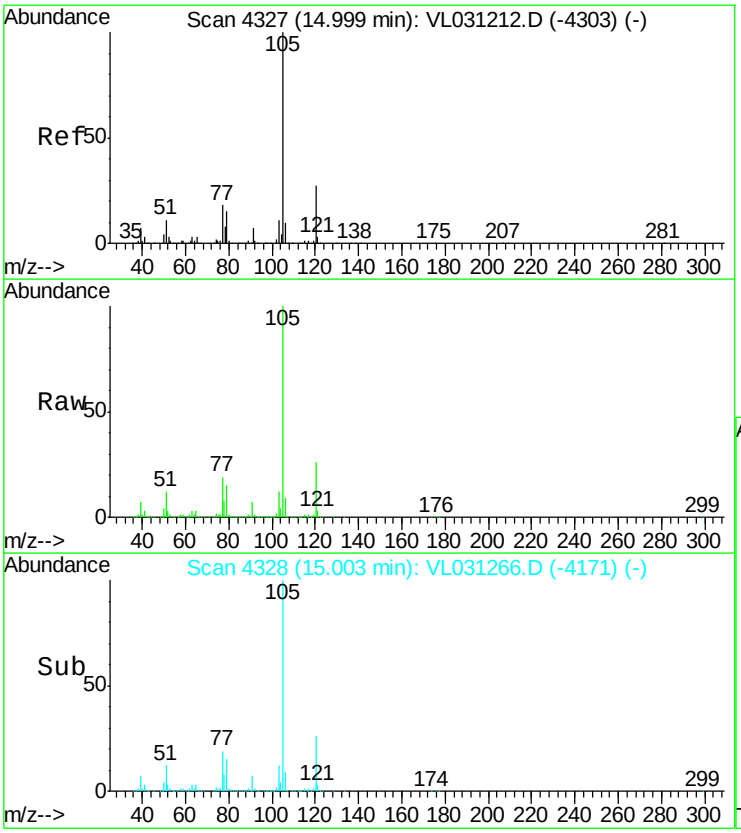
#61
Styrene
Concen: 6.52 ppbv
RT: 13.86 min Scan# 3973
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion:104 Resp: 1251574

Ion	Ratio	Lower	Upper
104	100		
78	52.0	39.1	58.7
103	47.1	37.3	55.9

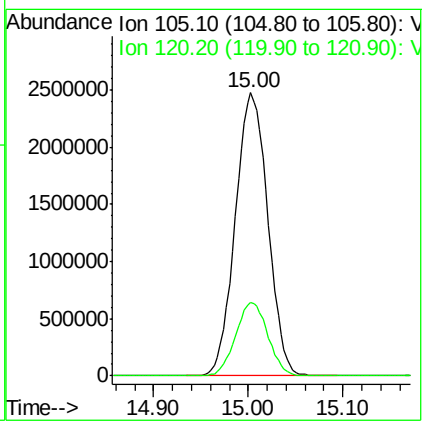


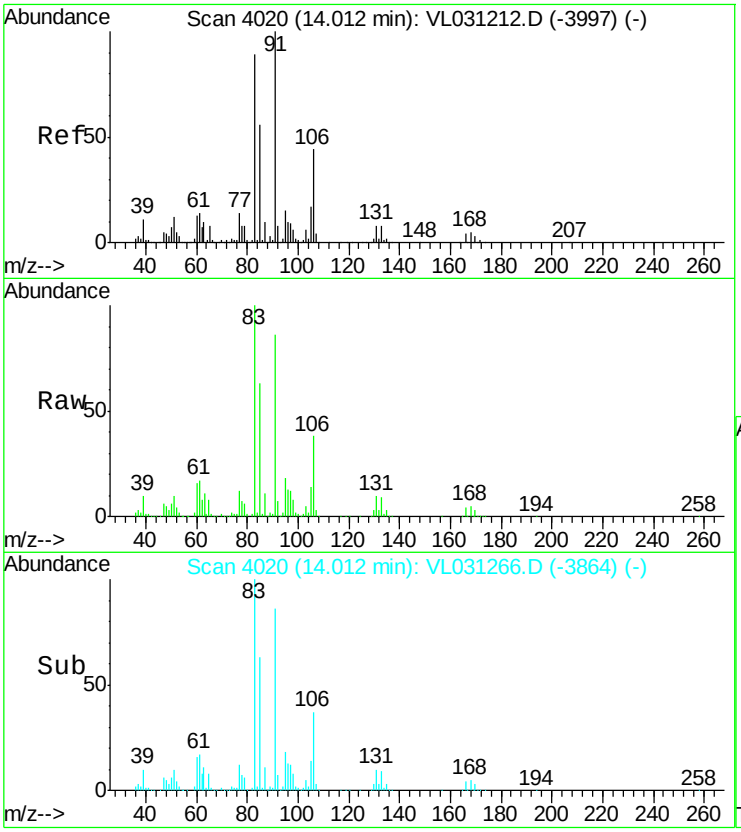


#62
Isopropylbenzene
Concen: 6.75 ppbv
RT: 15.00 min Scan# 4328
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion:105 Resp: 5921617

Ion	Ratio	Lower	Upper
105	100		
120	25.7	21.0	31.6



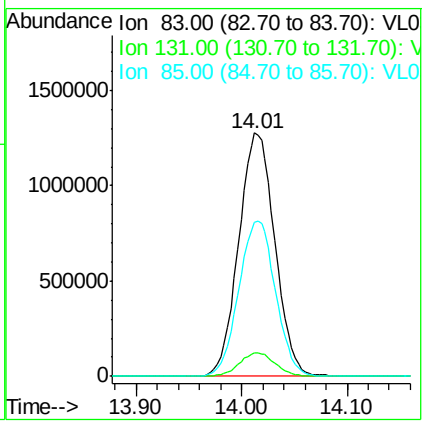


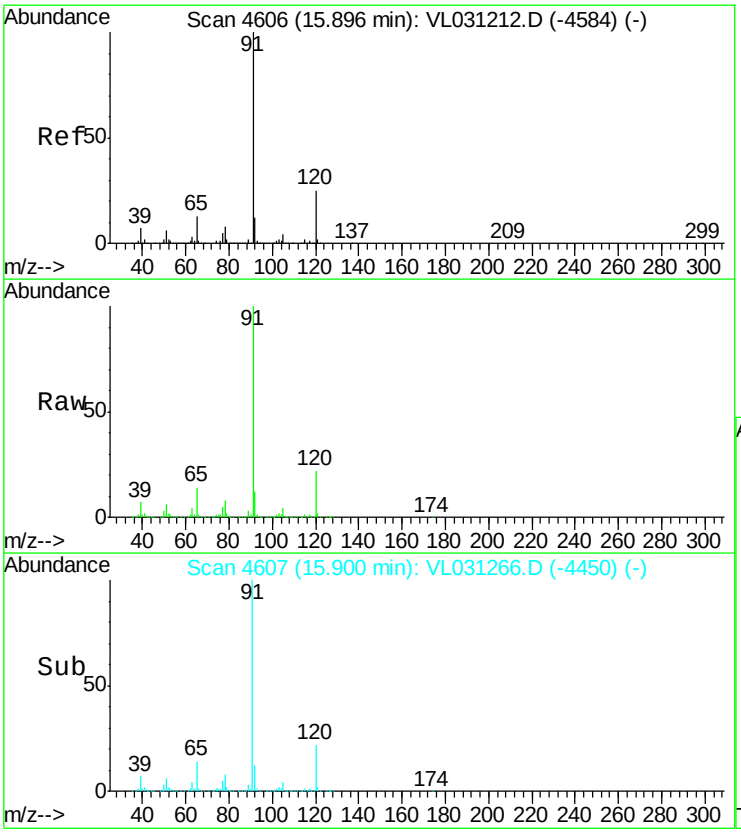
#63
1,1,2,2-Tetrachloroethane
Concen: 6.81 ppbv
RT: 14.01 min Scan# 4020
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion: 83 Resp: 3051487

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	65.0	32.1	96.5

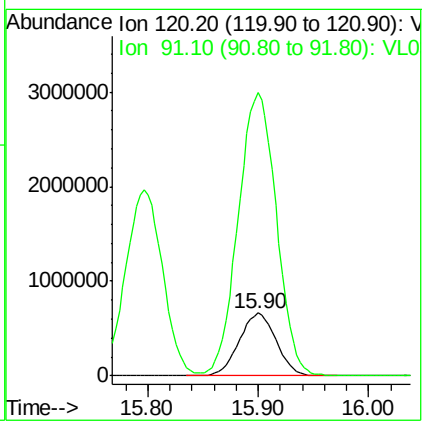


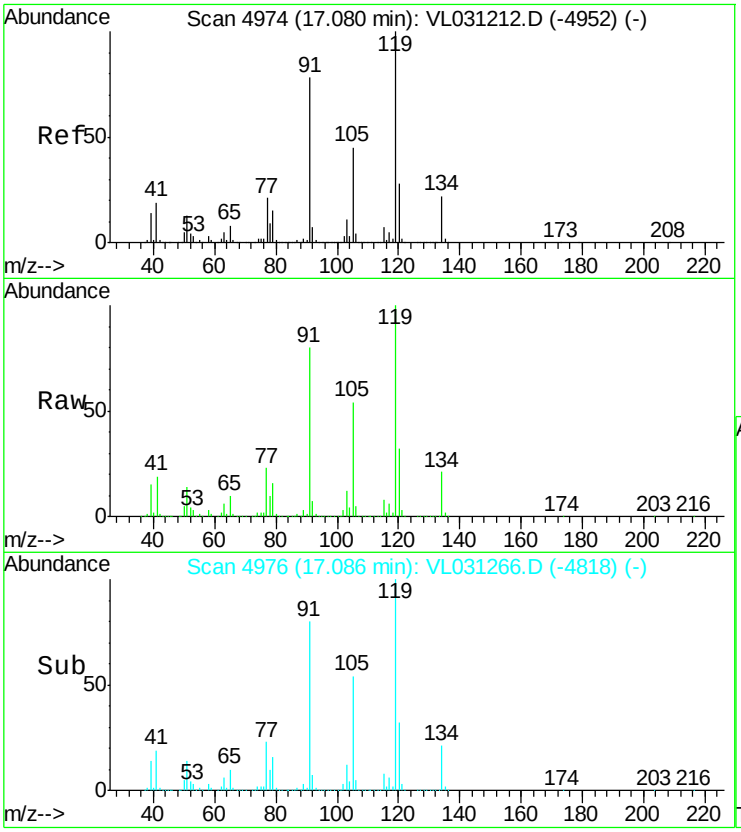


#64
n-propylbenzene
Concen: 6.62 ppbv
RT: 15.90 min Scan# 4607
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion:120 Resp: 1541199

Ion	Ratio	Lower	Upper
120	100		
91	467.6	352.1	528.1



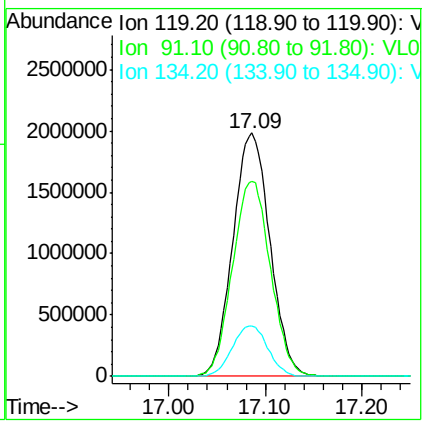


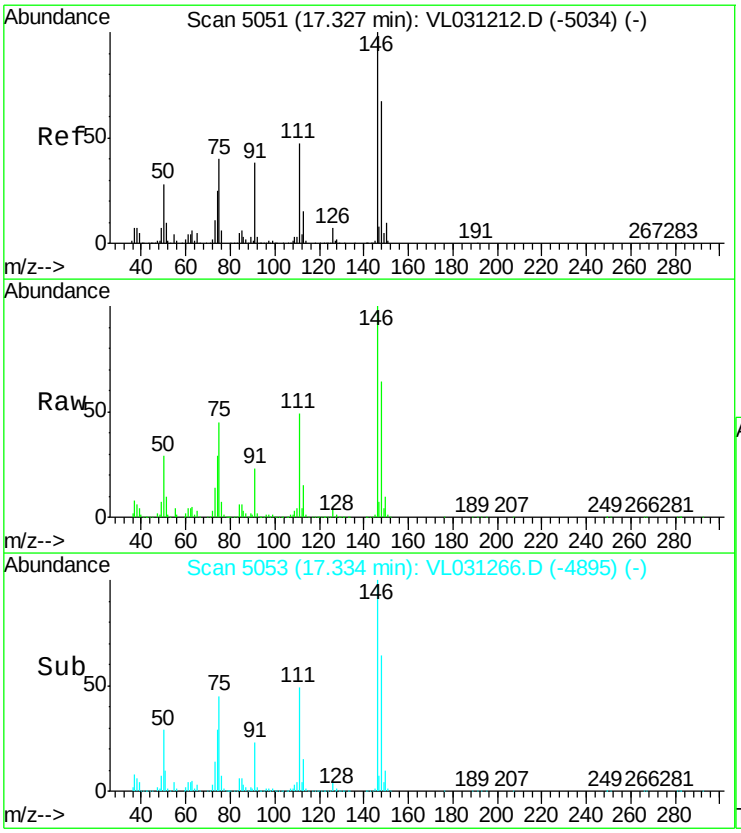
#65
tert-Butylbenzene
Concen: 6.80 ppbv
RT: 17.09 min Scan# 4976
Delta R.T. 0.01 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument : MSVOA_L
ClientSampleId : VL1220ABS01

Tgt Ion:119 Resp: 5285087

Ion	Ratio	Lower	Upper
119	100		
91	82.2	63.3	94.9
134	20.0	16.1	24.1

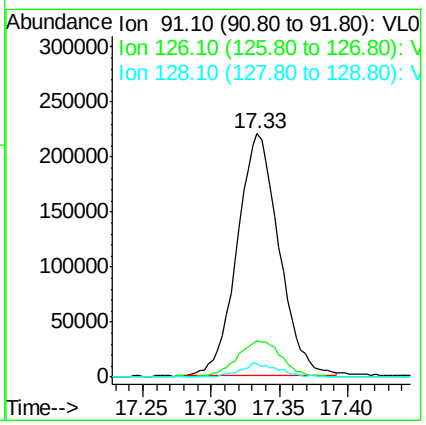


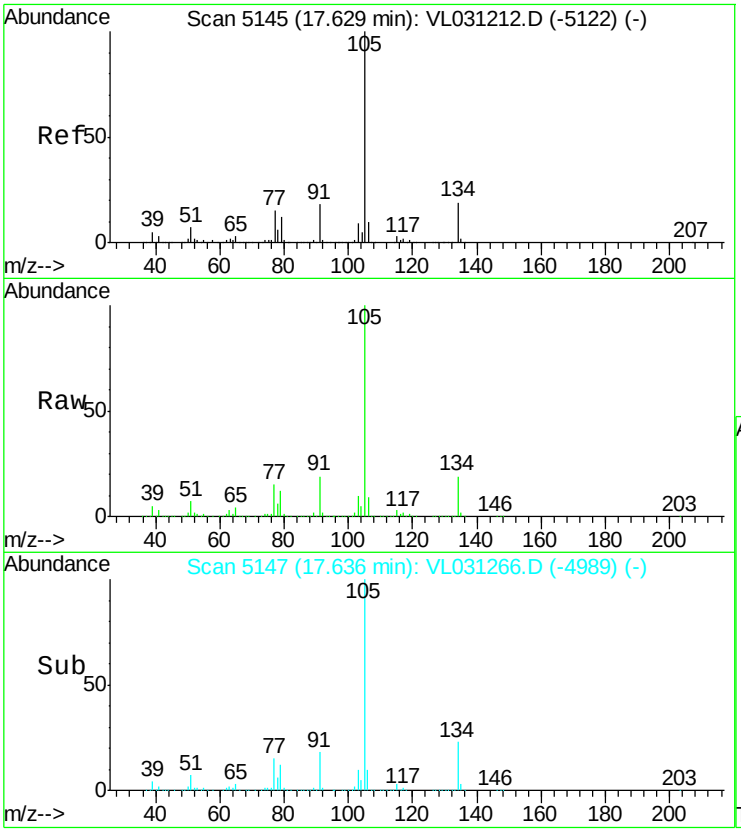


#66
Benzyl Chloride
Concen: 5.59 ppbv
RT: 17.33 min Scan# 5053
Delta R.T. 0.01 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 91 Resp: 468046

Ion	Ratio	Lower	Upper
91	100		
126	16.5	15.2	22.8
128	5.3	4.9	7.3



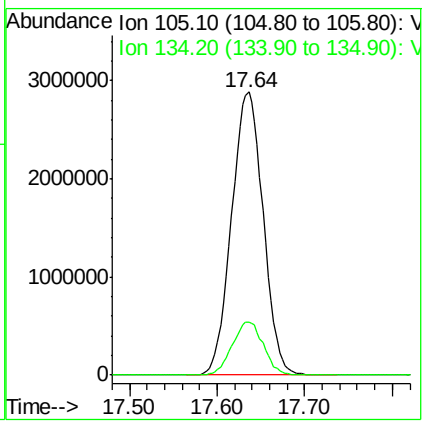


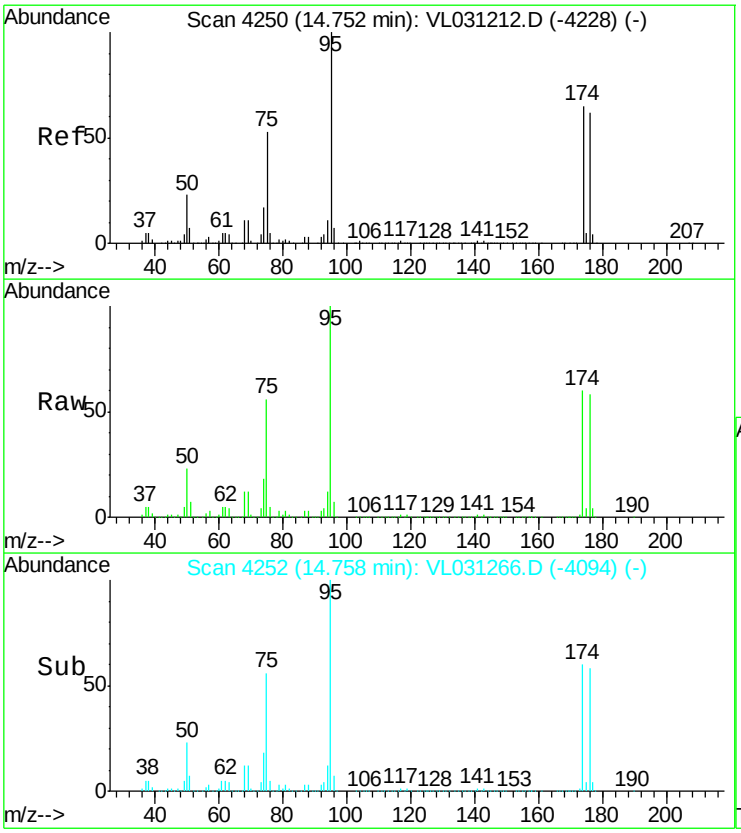
#67
sec-Butylbenzene
Concen: 6.76 ppbv
RT: 17.64 min Scan# 5147
Delta R.T. 0.01 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument : MSVOA_L
ClientSampleId : VL1220ABS01

Tgt Ion:105 Resp: 7216705

Ion	Ratio	Lower	Upper
105	100		
134	18.6	15.3	22.9

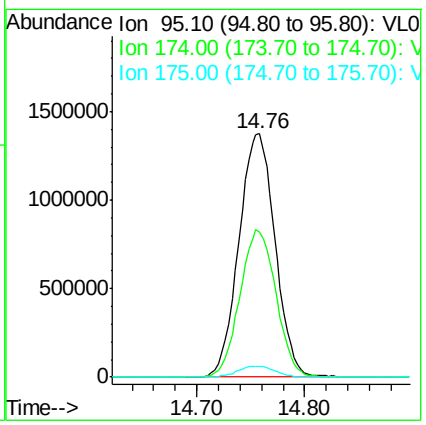


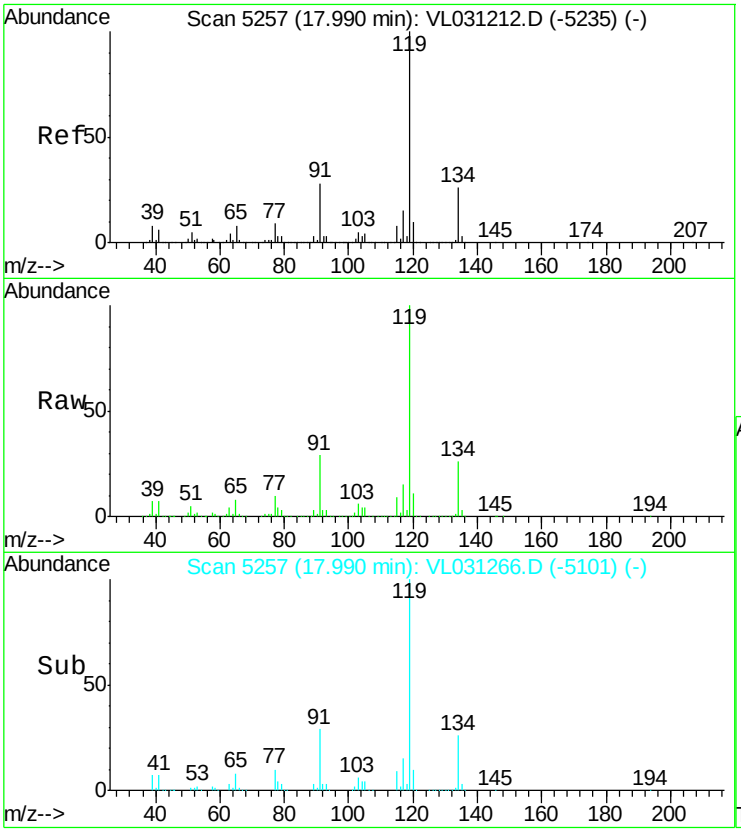


#68
1-Bromo-4-Fluorobenzene
Concen: 8.97 ppbv
RT: 14.76 min Scan# 4252
Delta R.T. 0.01 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 95 Resp: 3204230

Ion	Ratio	Lower	Upper
95	100		
174	60.8	52.5	78.7
175	4.6	4.1	6.1



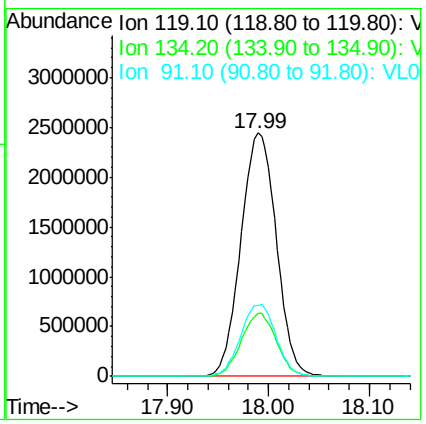


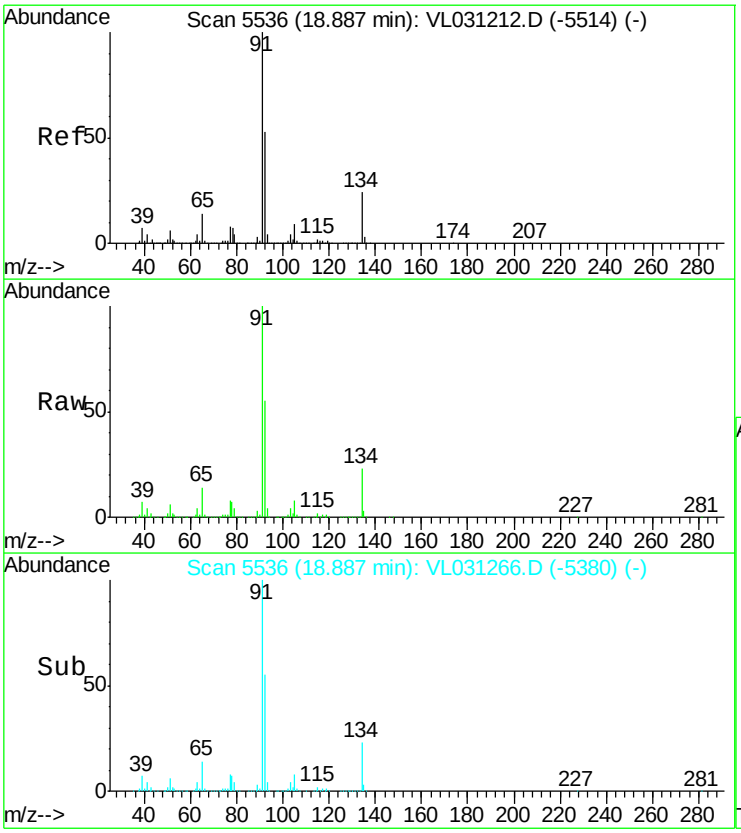
#69
p-Isopropyltoluene
Concen: 6.68 ppbv
RT: 17.99 min Scan# 5257
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument : MSVOA_L
ClientSampleId : VL1220ABS01

Tgt Ion:119 Resp: 5947716

Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.7	31.1
91	29.6	22.3	33.5

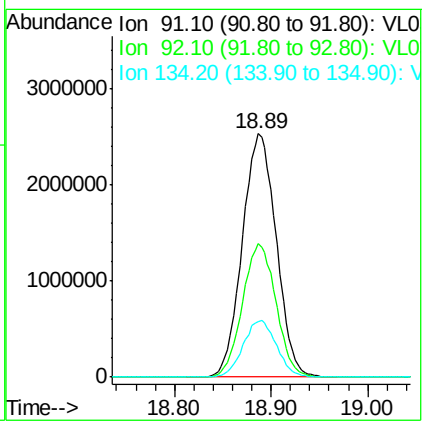


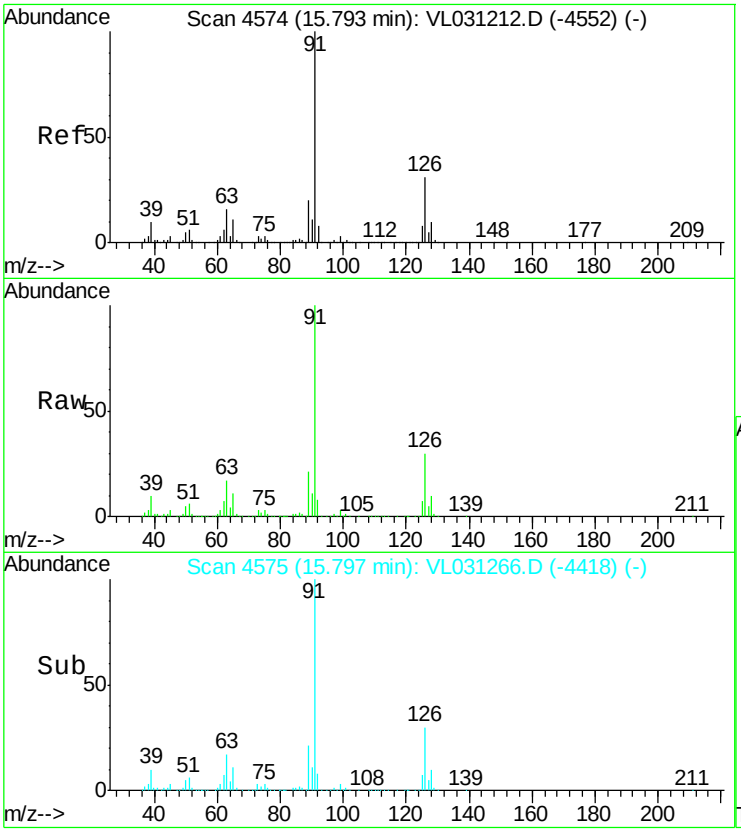


#70
n-Butylbenzene
Concen: 7.20 ppbv
RT: 18.89 min Scan# 5536
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion: 91 Resp: 6183519

Ion	Ratio	Lower	Upper
91	100		
92	54.1	43.4	65.2
134	22.9	19.3	28.9



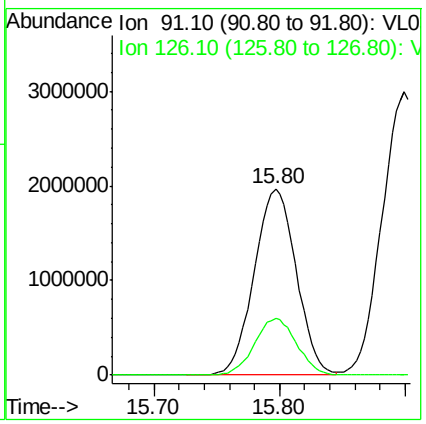


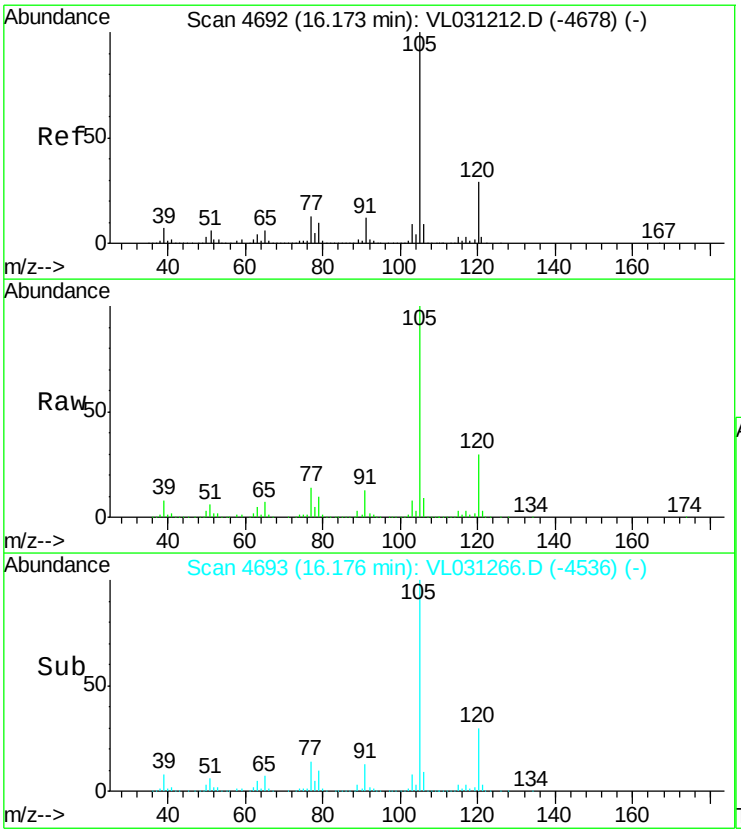
#71
2-Chlorotoluene
Concen: 7.06 ppbv
RT: 15.80 min Scan# 4575
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument : MSVOA_L
ClientSampleId : VL1220ABS01

Tgt Ion: 91 Resp: 4592780

Ion	Ratio	Lower	Upper
91	100		
126	30.4	12.6	50.6

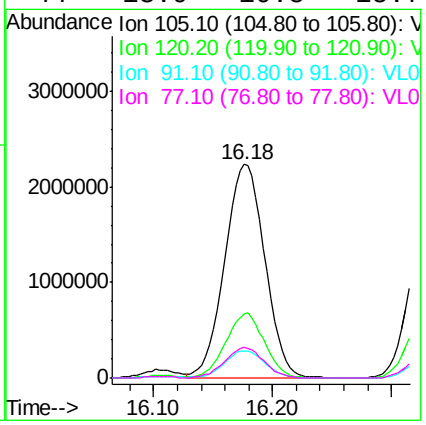


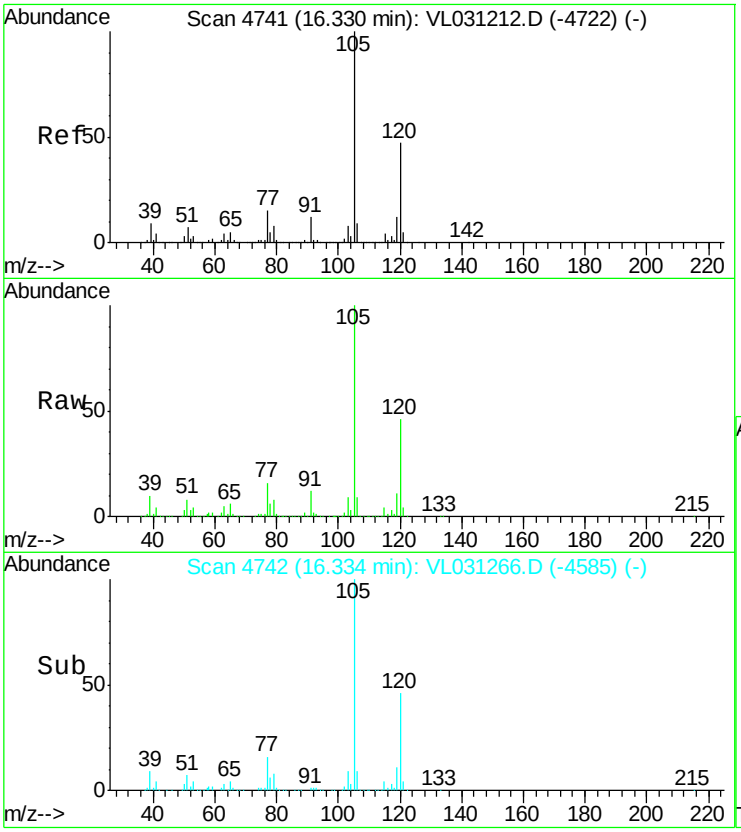


#72
4-Ethyltoluene
Concen: 7.10 ppbv
RT: 16.18 min Scan# 4693
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion:105 Resp: 5204455

Ion	Ratio	Lower	Upper
105	100		
120	29.5	24.2	36.2
91	12.8	9.8	14.8
77	13.9	10.5	15.7



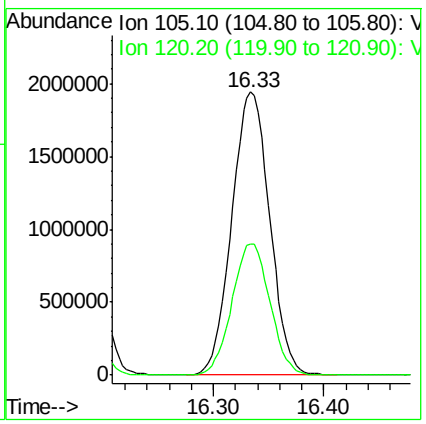


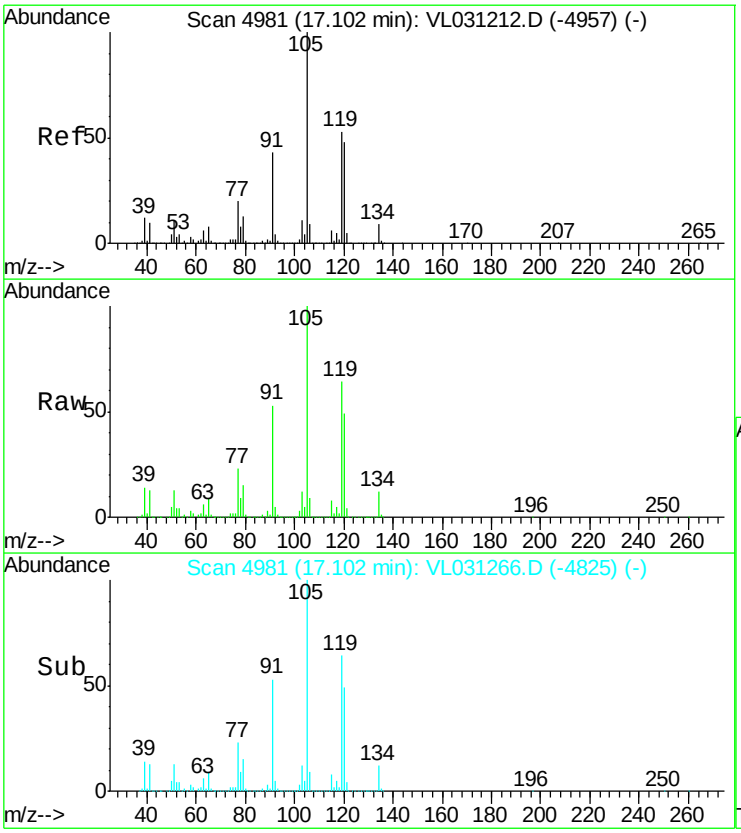
#73
1,3,5-Trimethylbenzene
Concen: 7.04 ppbv
RT: 16.33 min Scan# 4742
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion:105 Resp: 4591955

Ion	Ratio	Lower	Upper
105	100		
120	46.2	37.8	56.6

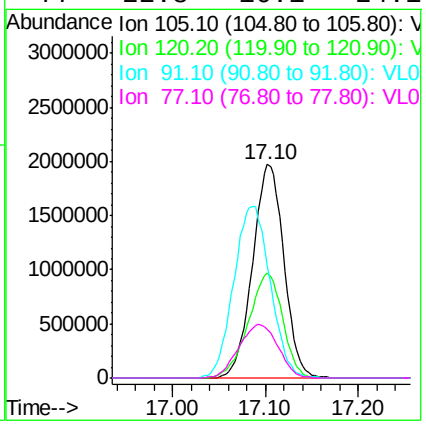


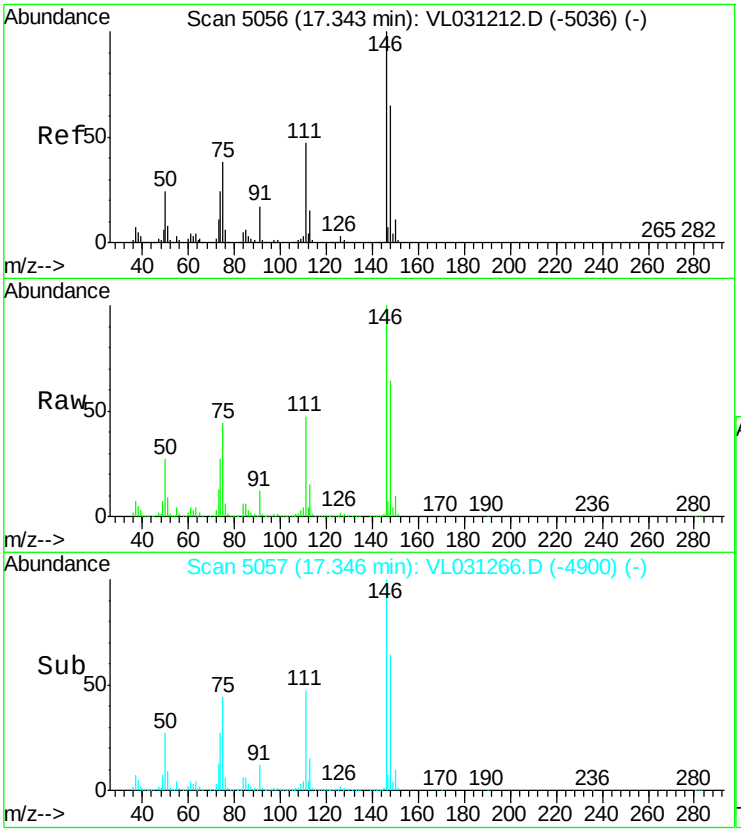


#74
1,2,4-Trimethylbenzene
Concen: 6.77 ppbv
RT: 17.10 min Scan# 4981
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion:105 Resp: 4642065

Ion	Ratio	Lower	Upper
105	100		
120	48.9	38.6	58.0
91	52.6	34.2	51.4#
77	22.8	16.1	24.1



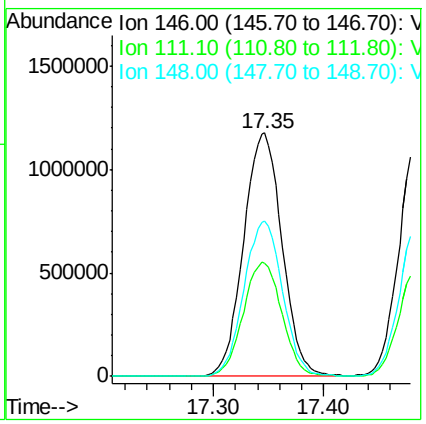


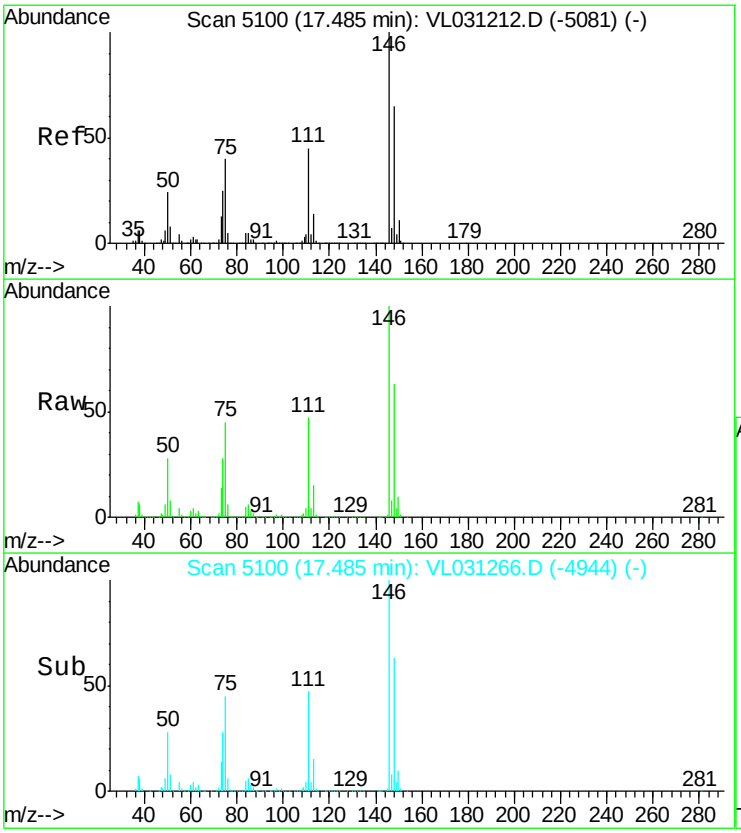
#75
1,3-Dichlorobenzene
Concen: 6.52 ppbv
RT: 17.35 min Scan# 5057
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion:146 Resp: 2836410

Ion	Ratio	Lower	Upper
146	100		
111	47.3	22.7	68.1
148	64.3	32.0	96.2

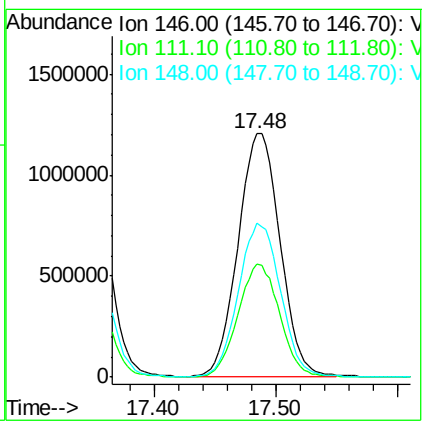


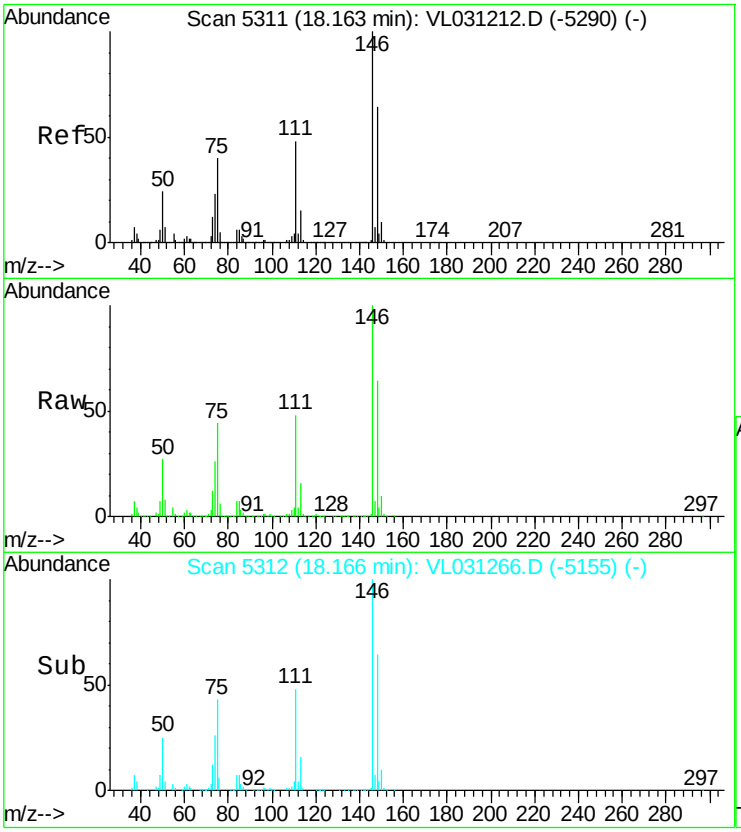


#76
1,4-Dichlorobenzene
Concen: 6.49 ppbv
RT: 17.48 min Scan# 5100
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion:146 Resp: 2854868

Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.1	66.1
148	64.1	32.0	96.0



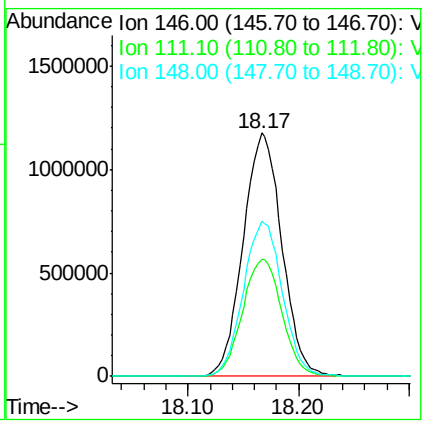


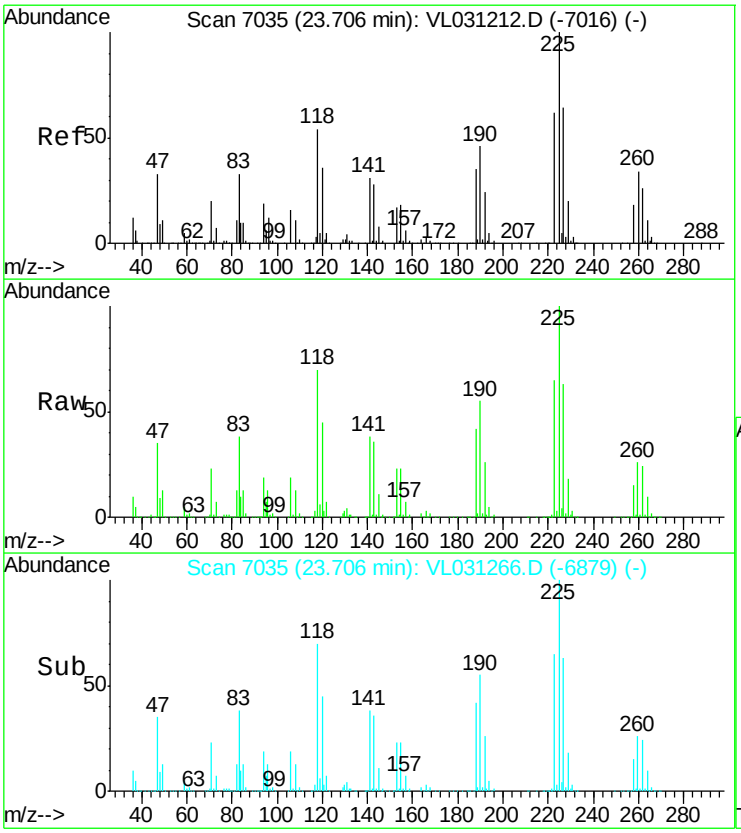
#77
1,2-Dichlorobenzene
Concen: 6.73 ppbv
RT: 18.17 min Scan# 5312
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion:146 Resp: 2858743

Ion	Ratio	Lower	Upper
146	100		
111	48.9	23.3	69.8
148	64.4	31.9	95.7

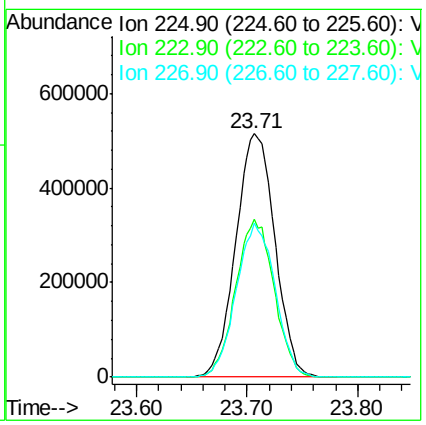


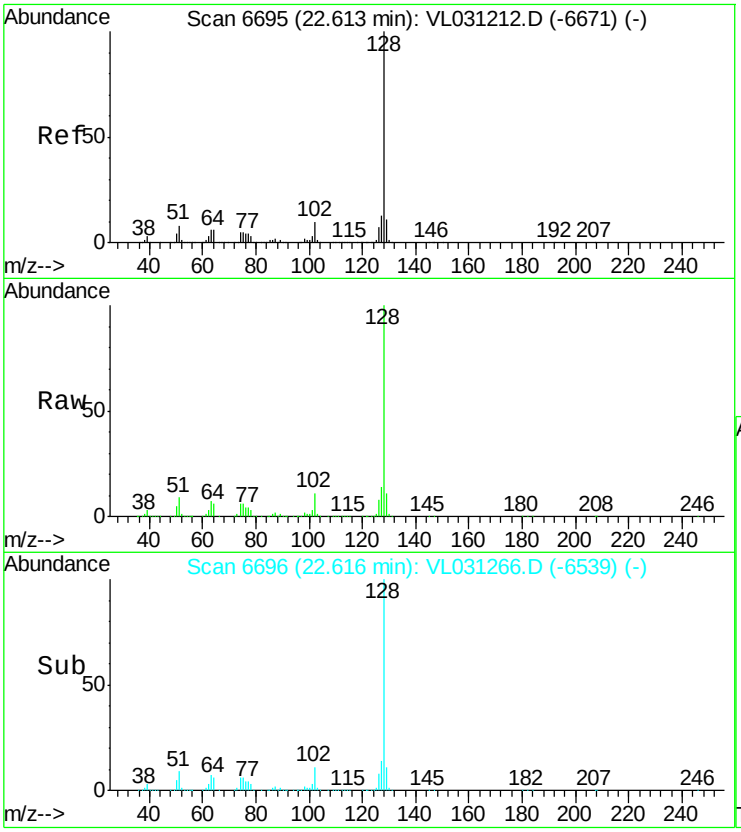


#78
Hexachloro-1,3-Butadiene
Concen: 12.98 ppbv
RT: 23.71 min Scan# 7035
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion:225 Resp: 1267314

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.4	75.6
227	62.6	51.3	76.9



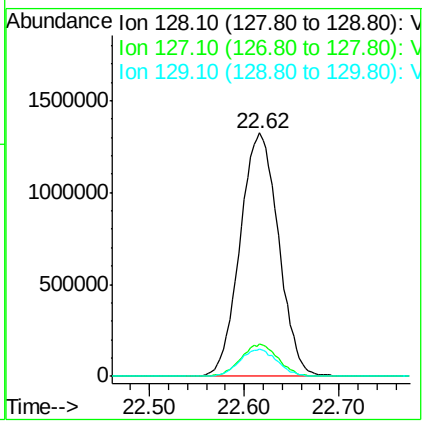


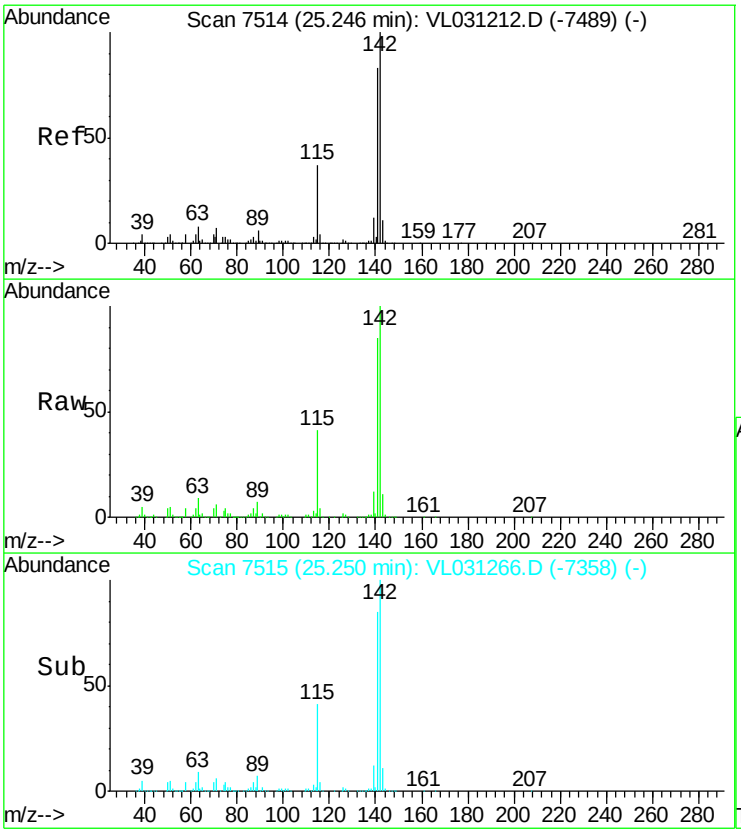
#79
Naphthalene
Concen: 6.72 ppbv
RT: 22.62 min Scan# 6696
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion:128 Resp: 3729817

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.2
129	11.0	8.9	13.3

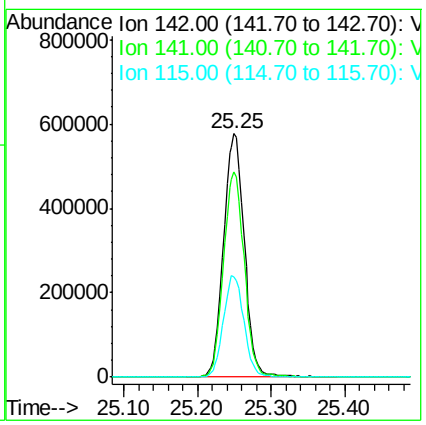


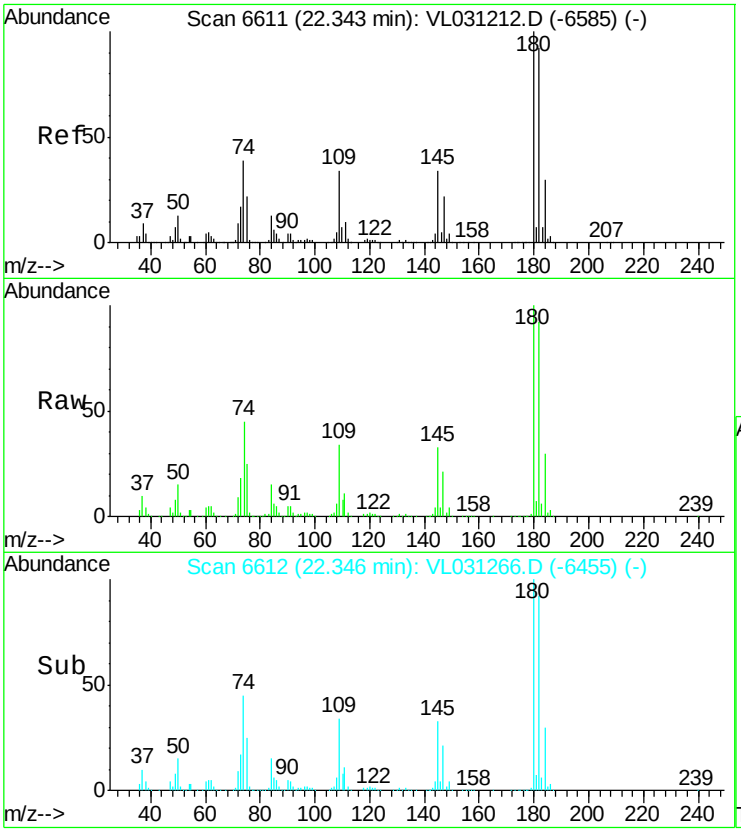


#80
Naphthalene,2-methyl-
Concen: 5.47 ppbv
RT: 25.25 min Scan# 7515
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Tgt Ion:142 Resp: 1130928

Ion	Ratio	Lower	Upper
142	100		
141	83.9	66.8	100.2
115	41.1	29.7	44.5





#81
1,2,4-Trichlorobenzene
Concen: 6.69 ppbv
RT: 22.35 min Scan# 6612
Delta R.T. 0.00 min
Lab File: VL031266.D
Acq: 20 Dec 2017 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion:180 Resp: 1728994

Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.9	113.9
184	30.4	24.2	36.2