Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031422.D
Acq On : 22 Jan 2018 18:33
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BFB

Quant Time: Jan 23 06:04:36 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 22 17:52:32 2018
QLast Update : Mon Jan 22 17:52:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.91	49	1278163	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.45	114	3000340	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.41	117	3917955	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.75	95	2558232	8.15	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 81.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.18	85	2301485	12.73	ppbv		99
3) Chlorodifluoromethane	3.11	51	1287642	7.62	ppbv		99
4) Chloromethane	3.27	50	676901	8.97	ppbv		100
5) Vinyl Chloride	3.40	62	683803	9.43	ppbv		99
6) Bromomethane	3.63	94	479452	9.01	ppbv		99
7) Chloroethane	3.71	64	274843	8.87	ppbv		96
8) Dichlorotetrafluoroethane	3.32	85	1803952	8.95	ppbv		99
9) Propene	3.14	41	557972	9.42	ppbv		99
10) Heptane	8.41	43	1701156	9.23	ppbv		99
11) Trichlorofluoromethane	4.13	101	2126331	8.72	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.68	101	1357771	8.88	ppbv		100
13) Ethanol	3.77	45	137645	7.73	ppbv		98
14) Bromoethene	3.90	108	564320	9.23	ppbv		100
15) Acetone	4.02	43	1375410	8.08	ppbv		99
16) 1,3-Butadiene	3.47	39	626067	8.76	ppbv		100
17) tert-Butyl alcohol	4.48	59	555795	6.71	ppbv		99
18) 1,1-Dichloroethene	4.48	96	594950	9.03	ppbv		98
19) Isopropyl Alcohol	4.14	45	859024	8.09	ppbv	#	99
20) Methylene Chloride	4.54	84	554629	8.40	ppbv		96
21) Allyl Chloride	4.61	41	964849	9.44	ppbv		100
22) trans-1,2-Dichloroethene	5.10	96	639577	9.25	ppbv		99
23) Vinyl Acetate	5.29	43	1895946	9.21	ppbv		99
24) 1,1-Dichloroethane	5.23	63	1612644	8.98	ppbv		99
25) Ethyl Acetate	5.91	43	2679953	8.84	ppbv		100
26) Hexane	5.93	57	1199199	8.89	ppbv		99
27) Carbon Disulfide	4.75	76	1710866	9.65	ppbv		100
28) Methyl tert-Butyl Ether	5.25	73	1498749	9.36	ppbv		100
29) Chloroform	6.00	83	2009023	8.63	ppbv		99
30) Cyclohexane	7.40	84	992035	9.62	ppbv		99
31) cis-1,2-Dichloroethene	5.78	61	1203012	9.43	ppbv		98
32) 1,1,1-Trichloroethane	6.77	97	2119937	9.35	ppbv		99
34) 2-Butanone	5.47	43	1758180	9.26	ppbv		100
35) Carbon Tetrachloride	7.29	117	2272273	9.35	ppbv		99
36) Benzene	7.16	78	2396116	8.98	ppbv		98
37) 1,2-Dichloroethane	6.57	62	1818175	8.78	ppbv		99
38) Trichloroethene	8.13	130	1031386	9.94	ppbv		98
39) 1,2-Dichloropropane	7.90	63	914182	9.13	ppbv		98
40) 1,4-Dioxane	8.12	88	361116	8.82	ppbv		72
41) Tetrahydrofuran	6.30	42	925591	8.83	ppbv		99
42) Bromodichloromethane	8.08	83	2291723	9.23	ppbv		99
43) Methyl Methacrylate	8.30	69	968407	9.93	ppbv		99

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031422.D
Acq On : 22 Jan 2018 18:33
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BFB

Quant Time: Jan 23 06:04:36 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 22 17:52:32 2018
QLast Update : Mon Jan 22 17:52:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	4160392	9.14	ppbv		99
45) t-1,3-Dichloropropene	9.58	75	1509138	10.79	ppbv		98
46) cis-1,3-Dichloropropene	9.00	75	1749056	10.19	ppbv		98
47) 1,1,2-Trichloroethane	9.78	97	1090491	9.25	ppbv		98
48) Dibromochloromethane	10.62	129	1975240	9.42	ppbv		99
49) Bromoform	13.38	173	1541260	9.66	ppbv		99
50) 4-Methyl-2-Pentanone	9.03	43	2423667	9.48	ppbv		99
51) 2-Hexanone	10.44	43	2276999	9.34	ppbv	#	99
52) Tetrachloroethene	11.54	164	971110	9.69	ppbv		98
53) Toluene	10.12	91	3049041	9.68	ppbv		99
54) 1,2-Dibromoethane	10.93	107	1729974	9.45	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.45	131	1363559	7.33	ppbv	#	62
57) Chlorobenzene	12.48	112	2467809	7.28	ppbv		99
58) Ethyl Benzene	13.03	91	4434837	7.73	ppbv		100
59) m/p-Xylene	13.32	91	3925014	7.99	ppbv	#	44
60) o-Xylene	14.02	91	3691986	7.51	ppbv		99
61) Styrene	13.85	104	880941	8.25	ppbv		98
62) Isopropylbenzene	15.00	105	4557459	7.39	ppbv		100
63) 1,1,2,2-Tetrachloroethane	14.01	83	2436765	7.20	ppbv		99
64) n-propylbenzene	15.89	120	1150349	7.52	ppbv		100
65) tert-Butylbenzene	17.08	119	3999556	7.35	ppbv		100
66) Benzyl Chloride	17.33	91	547998	10.08	ppbv		100
67) sec-Butylbenzene	17.63	105	5632684	7.41	ppbv		100
69) p-Isopropyltoluene	17.98	119	4607474	7.54	ppbv		100
70) n-Butylbenzene	18.88	91	4747130	7.48	ppbv		100
71) 2-Chlorotoluene	15.79	91	3490467	7.50	ppbv		100
72) 4-Ethyltoluene	16.17	105	3742746	7.53	ppbv		99
73) 1,3,5-Trimethylbenzene	16.33	105	3362996	7.44	ppbv		100
74) 1,2,4-Trimethylbenzene	17.10	105	3608844	7.21	ppbv		97
75) 1,3-Dichlorobenzene	17.34	146	2253519	7.25	ppbv		100
76) 1,4-Dichlorobenzene	17.48	146	2265637	7.44	ppbv		100
77) 1,2-Dichlorobenzene	18.16	146	2192387	7.28	ppbv		100
78) Hexachloro-1,3-Butadiene	23.70	225	579807	5.47	ppbv		100
79) Naphthalene	22.61	128	2377268	7.71	ppbv		99
80) Naphthalene,2-methyl-	25.25	142	558779	6.50	ppbv		100
81) 1,2,4-Trichlorobenzene	22.34	180	1119643	6.80	ppbv		100

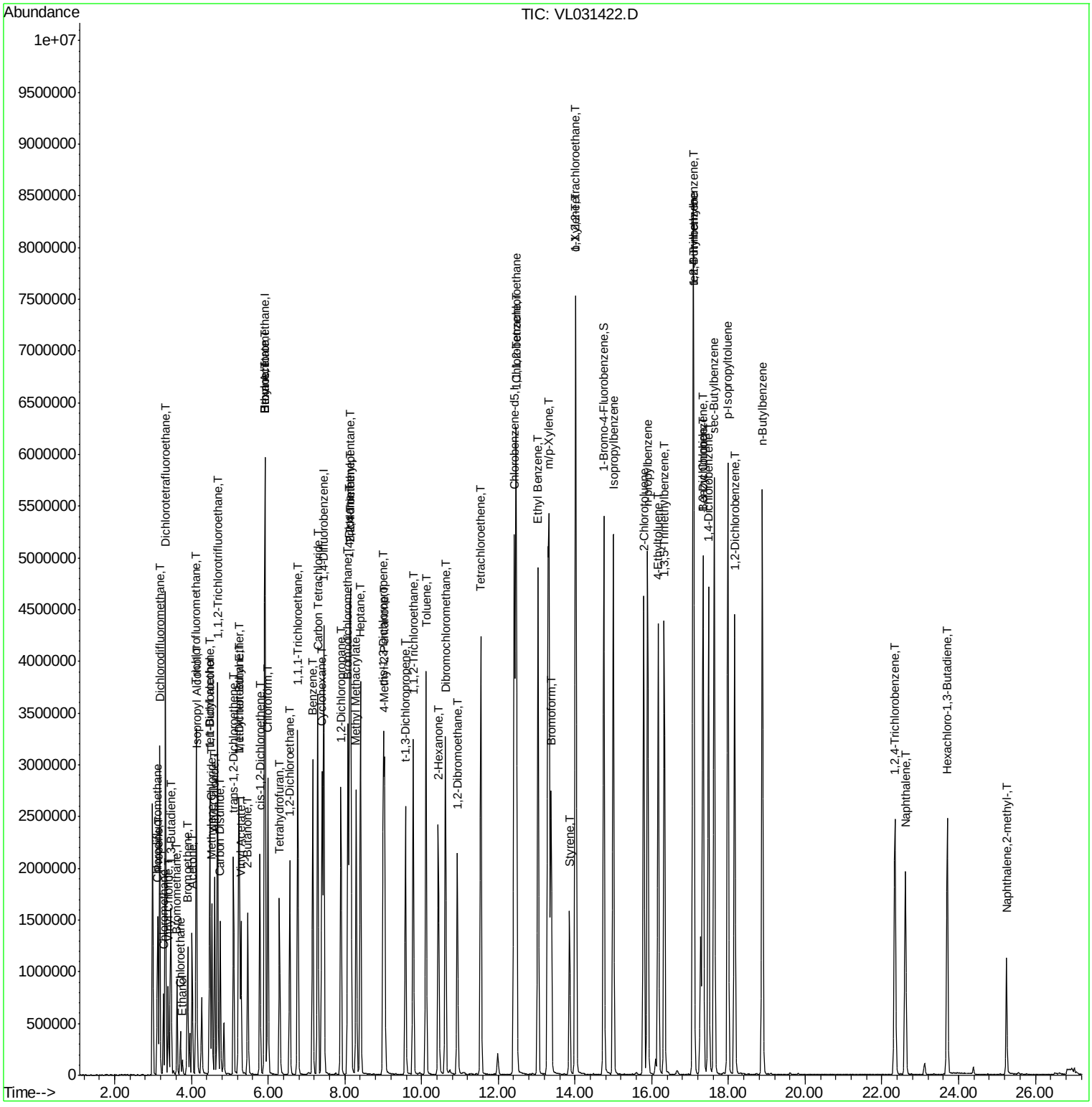
(#) = qualifier out of range (m) = manual integration (+) = signals summed

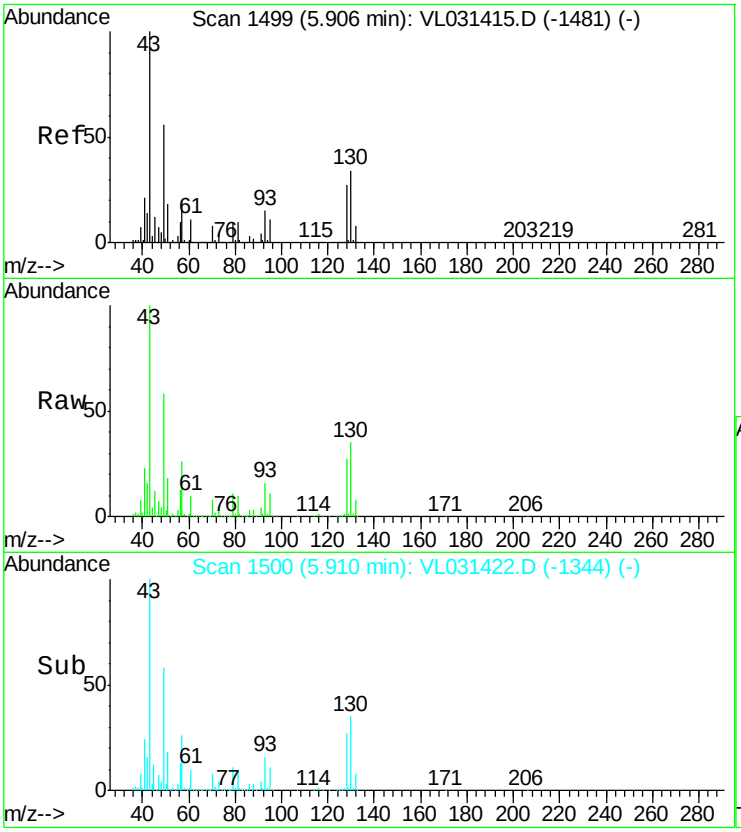
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031422.D
Acq On : 22 Jan 2018 18:33
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BFB

Quant Time: Jan 23 06:04:36 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 22 17:52:32 2018
QLast Update : Mon Jan 22 17:52:32 2018
Response via : Initial Calibration



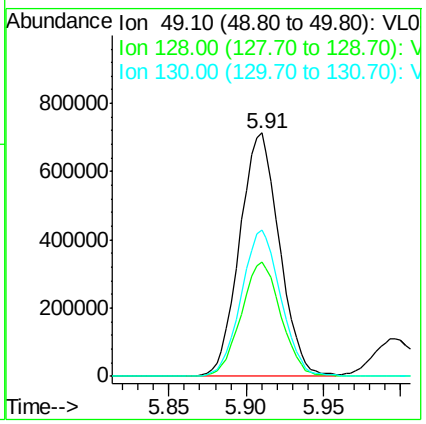


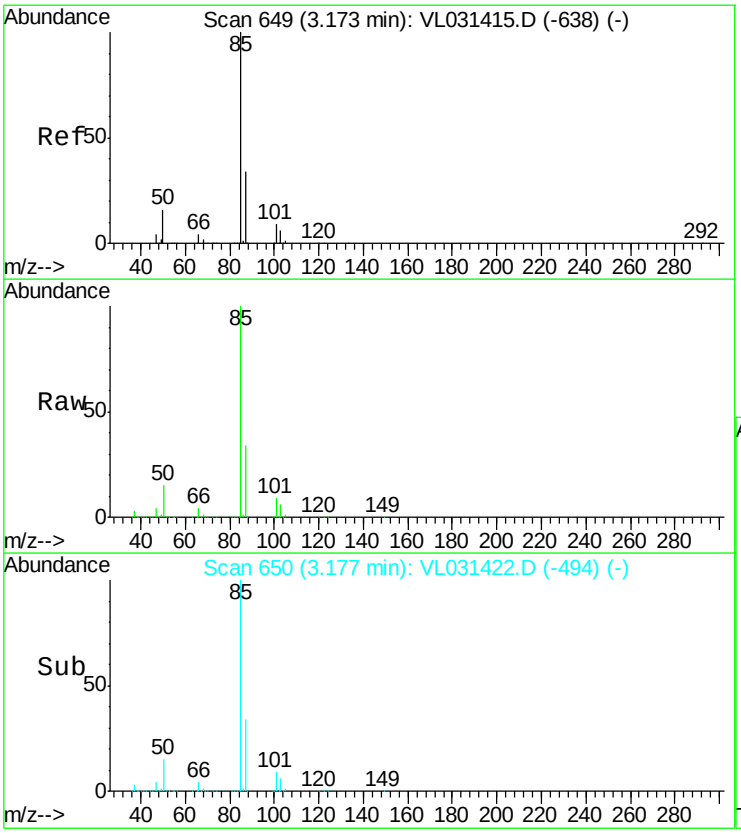
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 49 Resp: 1278163

Ion	Ratio	Lower	Upper
49	100		
128	47.1	23.5	70.6
130	60.1	29.9	89.7

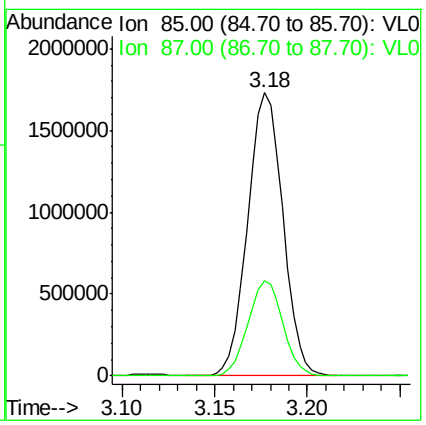


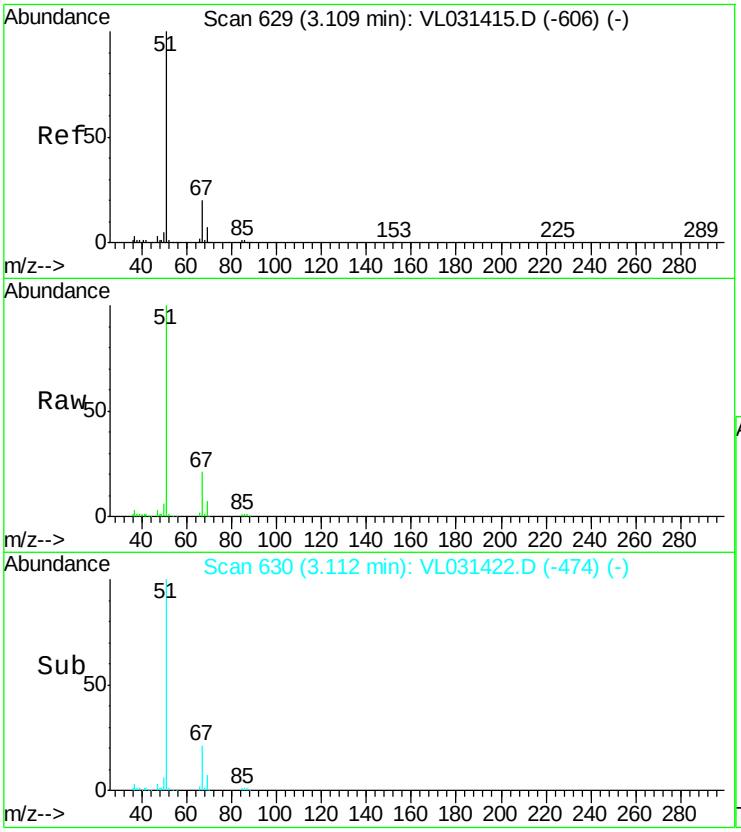


#2
Dichlorodifluoromethane
Concen: 12.73 ppbv
RT: 3.18 min Scan# 650
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 85 Resp: 2301485

Ion	Ratio	Lower	Upper
85	100		
87	33.6	27.4	41.0



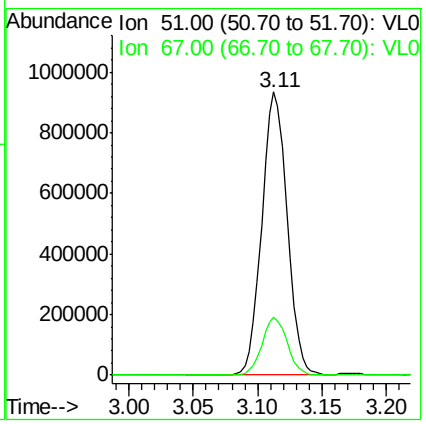


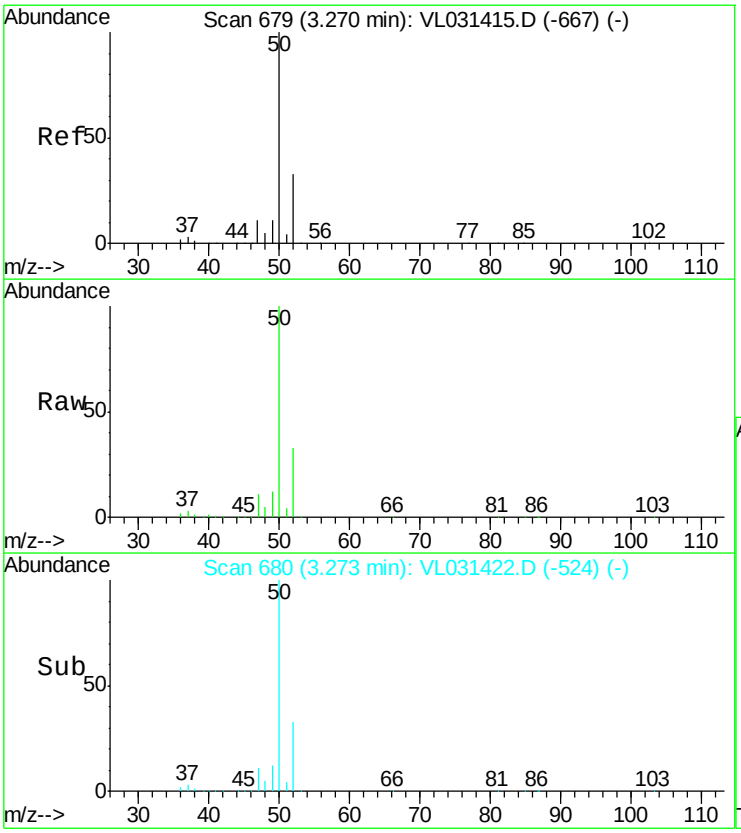
#3
Chlorodifluoromethane
Concen: 7.62 ppbv
RT: 3.11 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 51 Resp: 1287642

Ion	Ratio	Lower	Upper
51	100		
67	20.4	16.0	24.0

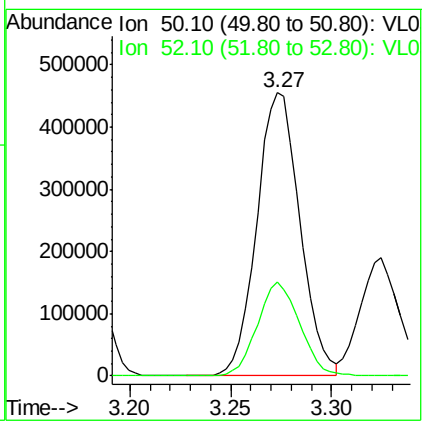


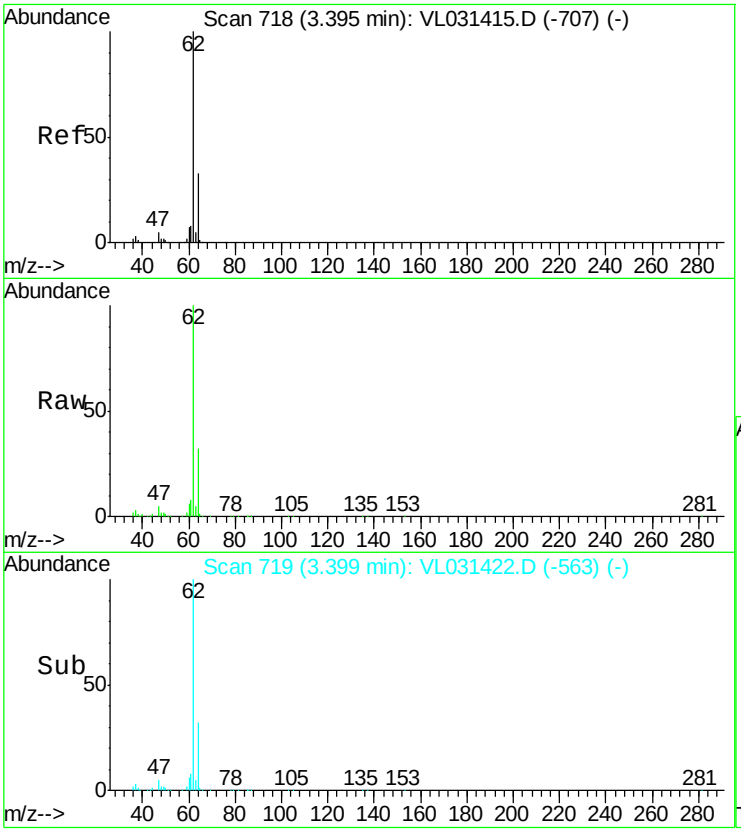


#4
Chloromethane
Concen: 8.97 ppbv
RT: 3.27 min Scan# 680
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 50 Resp: 676901

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.4	39.6



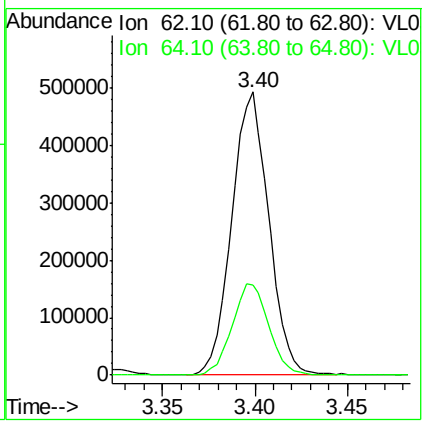


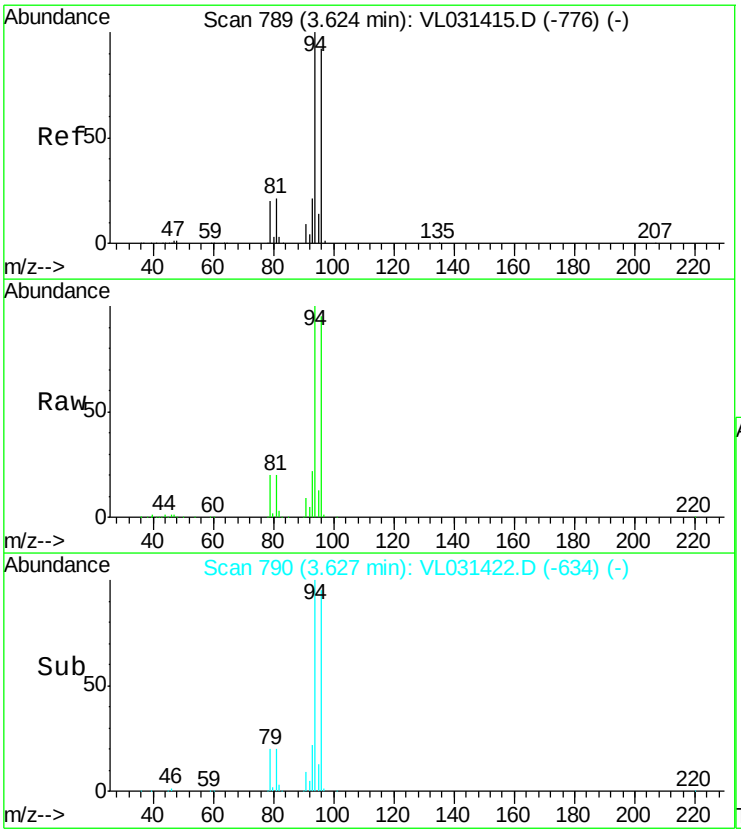
#5
Vinyl Chloride
Concen: 9.43 ppbv
RT: 3.40 min Scan# 719
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 62 Resp: 683803

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.4	38.0

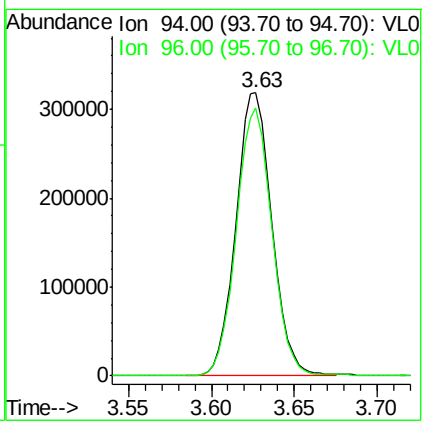


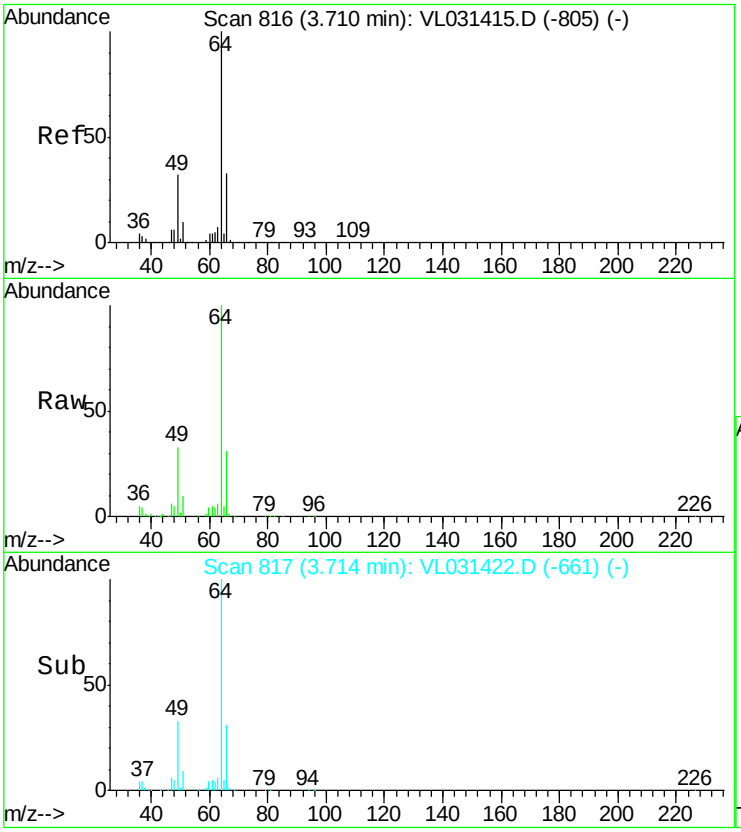


#6
Bromomethane
Concen: 9.01 ppbv
RT: 3.63 min Scan# 790
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 94 Resp: 479452

Ion	Ratio	Lower	Upper
94	100		
96	94.7	75.1	112.7



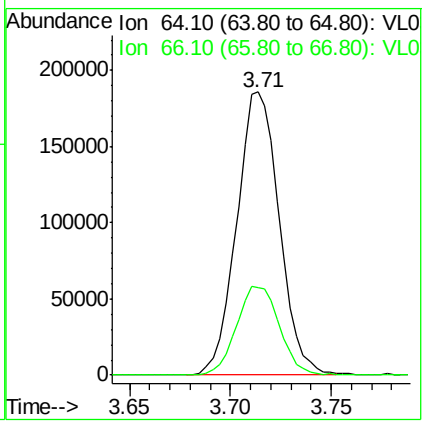


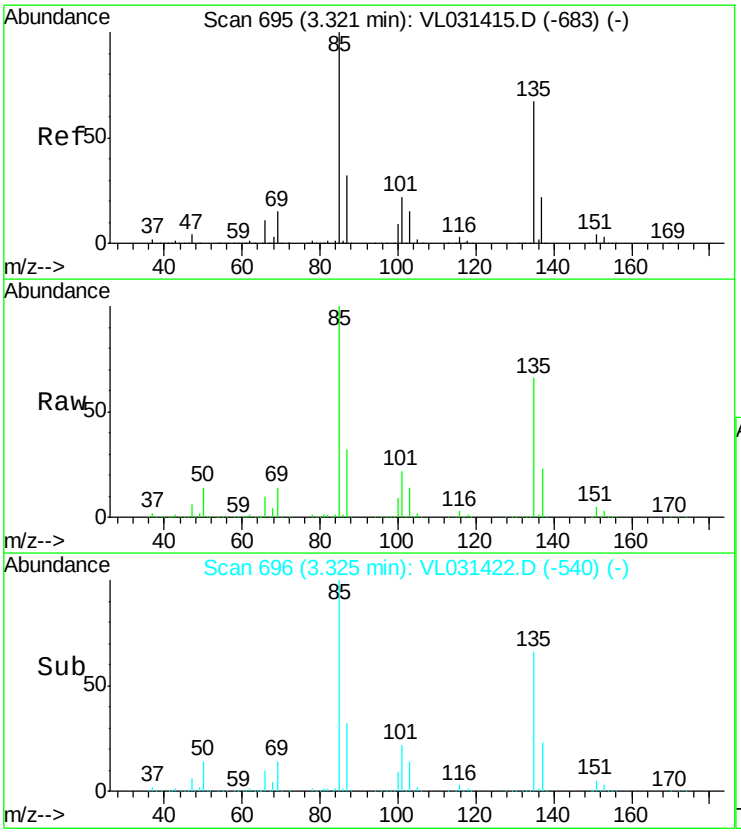
#7
Chloroethane
Concen: 8.87 ppbv
RT: 3.71 min Scan# 817
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 64 Resp: 274843

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.3	39.5

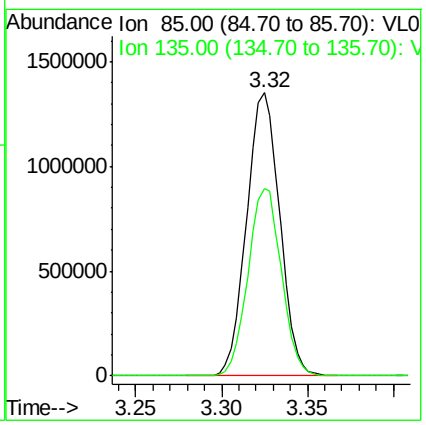


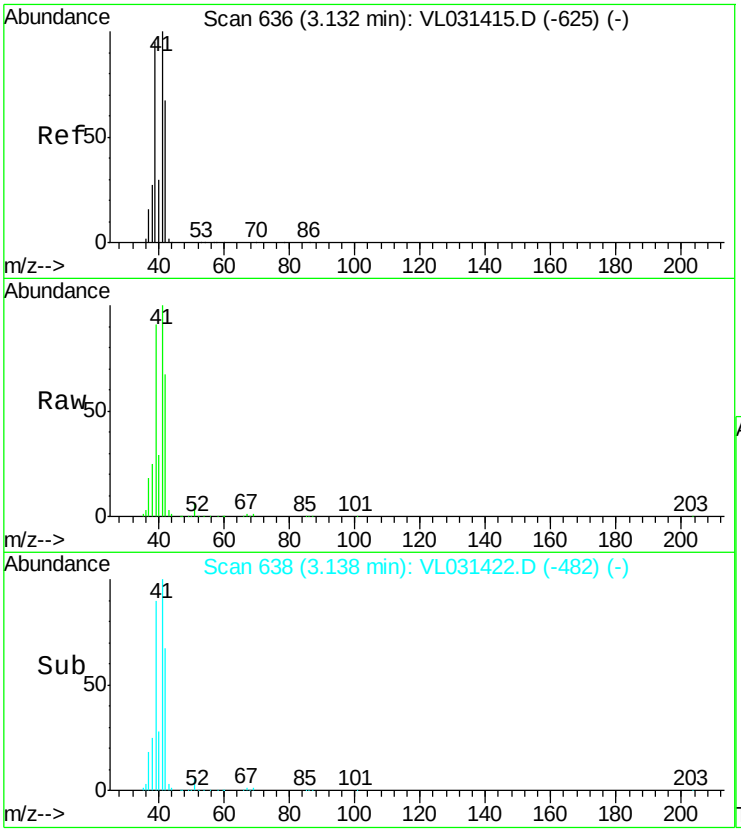


#8
Dichlorotetrafluoroethane
Concen: 8.95 ppbv
RT: 3.32 min Scan# 696
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 85 Resp: 1803952

Ion	Ratio	Lower	Upper
85	100		
135	67.2	53.3	79.9



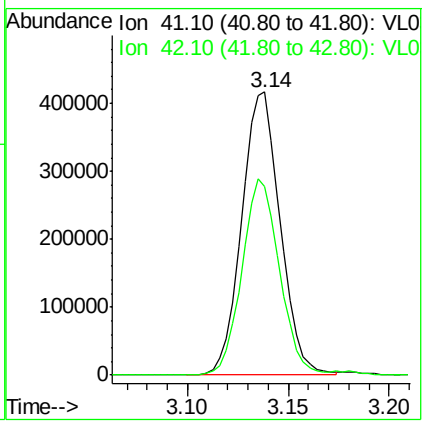


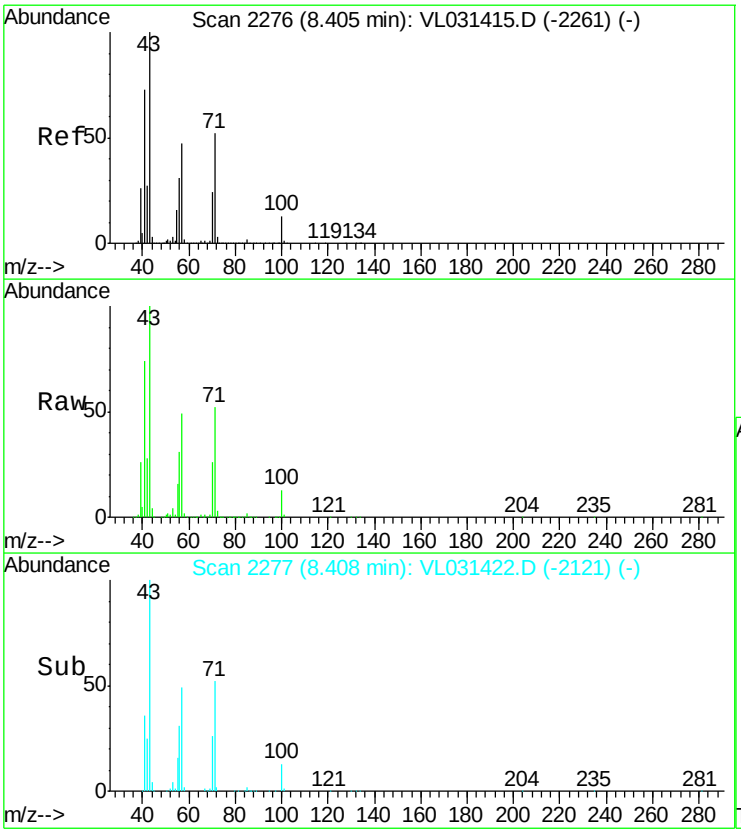
#9
Propene
Concen: 9.42 ppbv
RT: 3.14 min Scan# 638
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 41 Resp: 557972

Ion	Ratio	Lower	Upper
41	100		
42	69.0	54.6	82.0

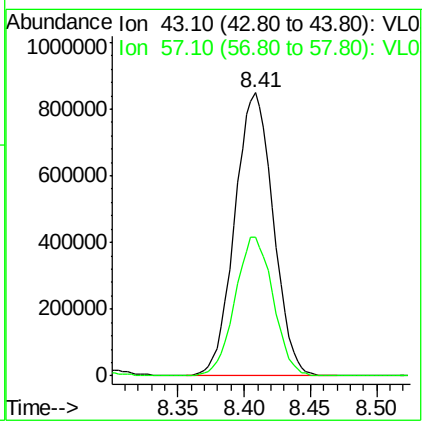


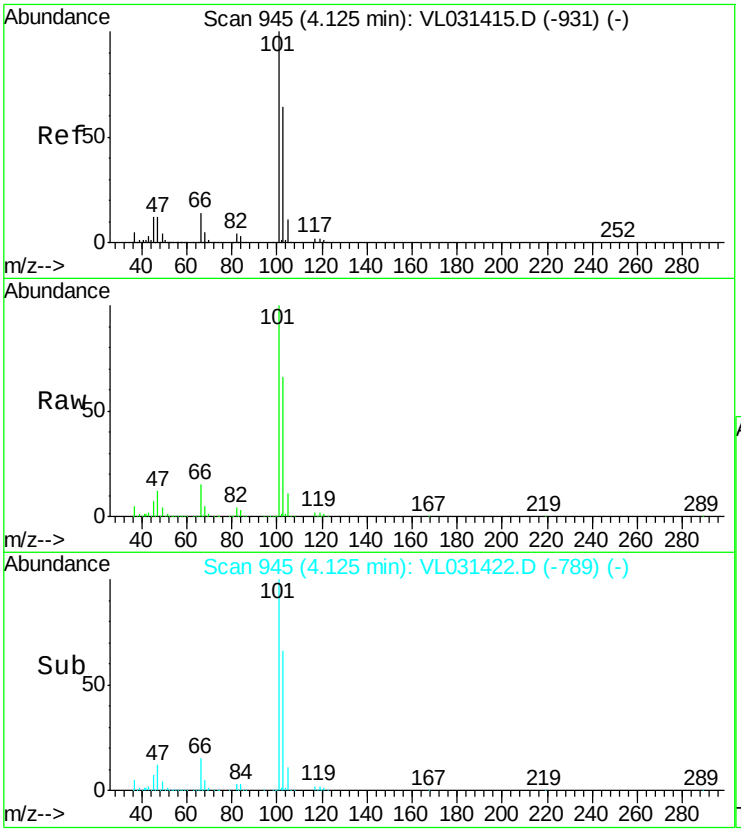


#10
Heptane
Concen: 9.23 ppbv
RT: 8.41 min Scan# 2277
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 43 Resp: 1701156

Ion	Ratio	Lower	Upper
43	100		
57	48.8	39.7	59.5



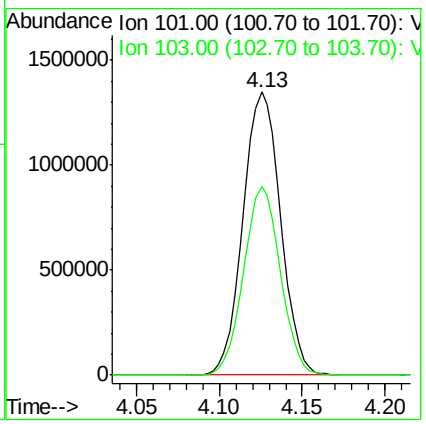


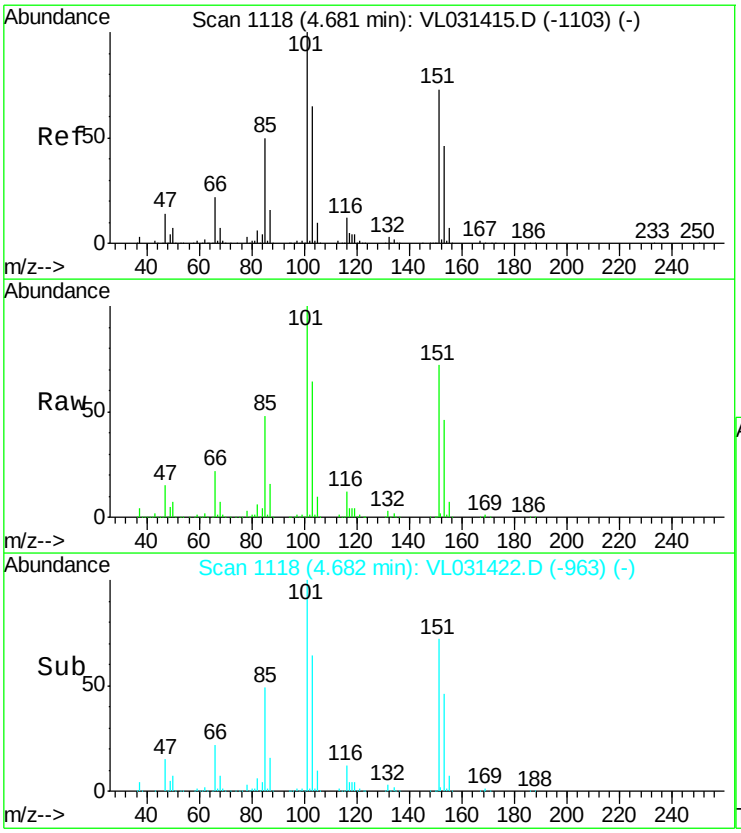
#11
Trichlorofluoromethane
Concen: 8.72 ppbv
RT: 4.13 min Scan# 945
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:101 Resp: 2126331

Ion	Ratio	Lower	Upper
101	100		
103	66.4	53.1	79.7

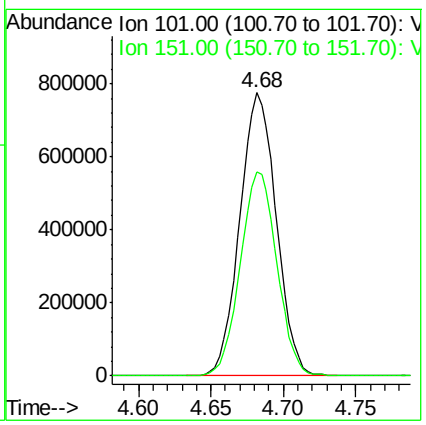


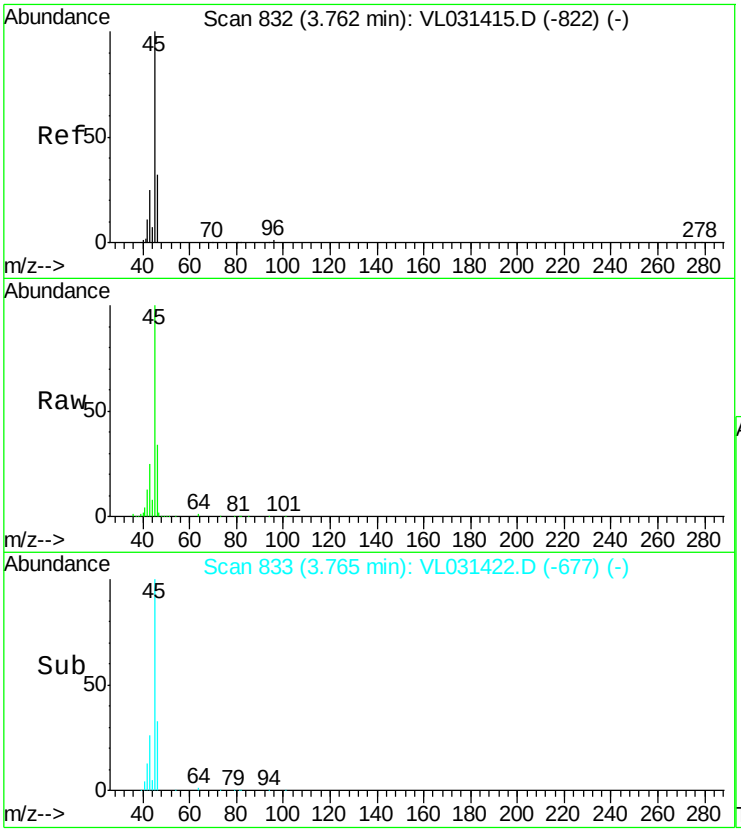


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.88 ppbv
RT: 4.68 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion:101 Resp: 1357771

Ion	Ratio	Lower	Upper
101	100		
151	72.7	58.1	87.1



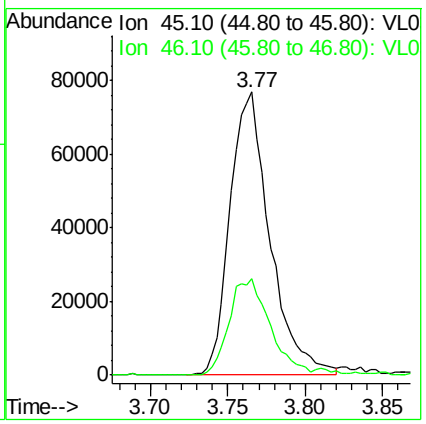


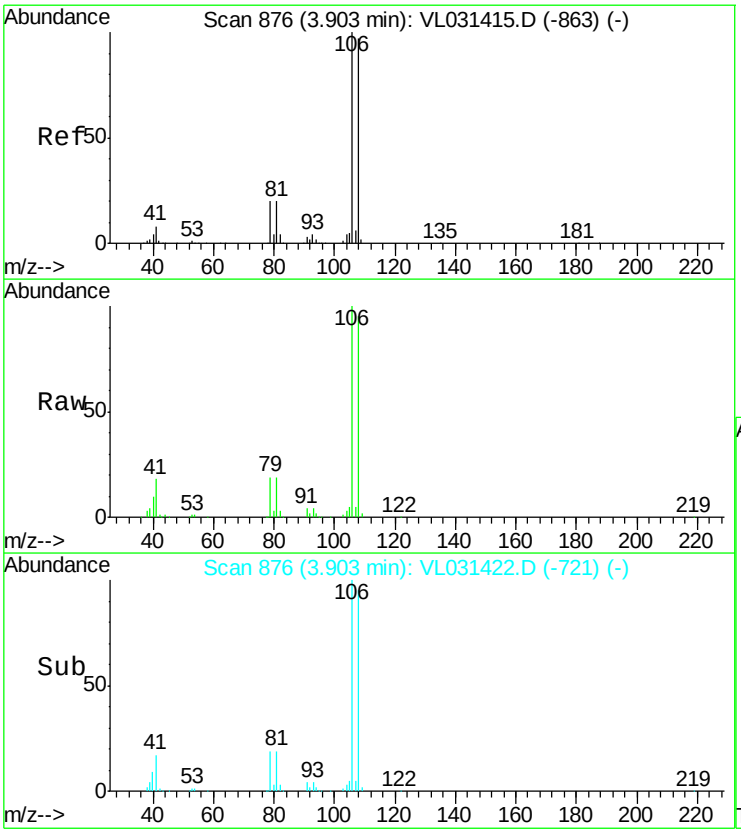
#13
Ethanol
Concen: 7.73 ppbv
RT: 3.77 min Scan# 833
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 45 Resp: 137645

Ion	Ratio	Lower	Upper
45	100		
46	36.2	14.9	59.5

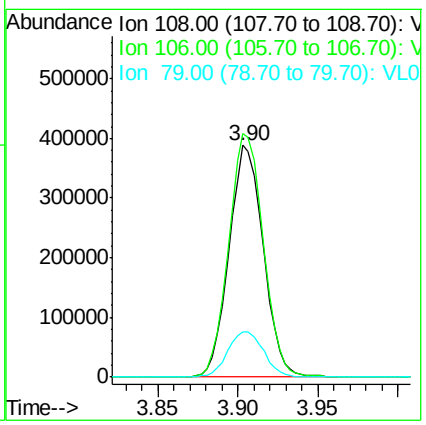


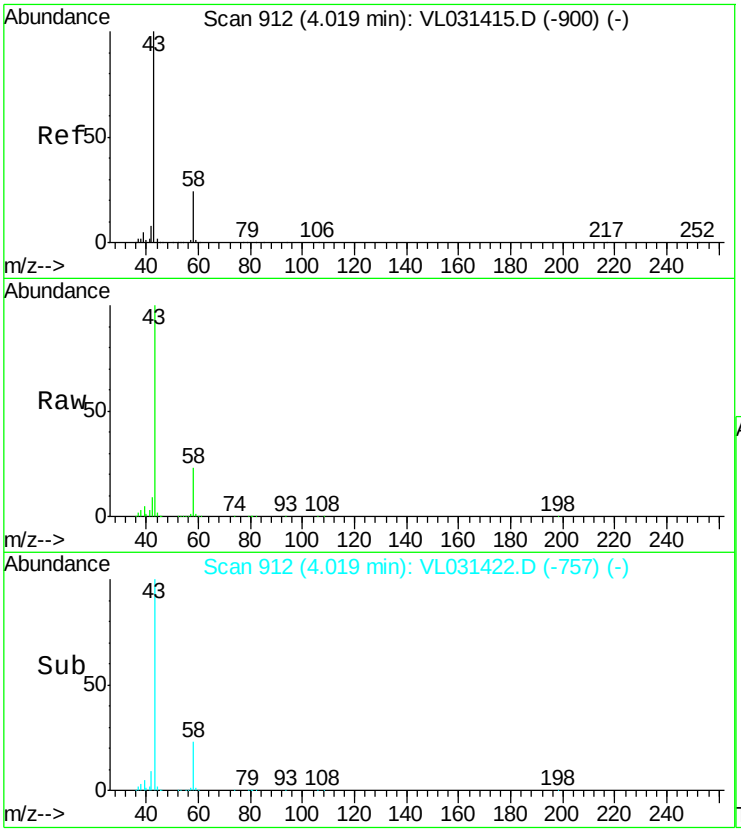


#14
Bromoethene
Concen: 9.23 ppbv
RT: 3.90 min Scan# 876
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion:108 Resp: 564320

Ion	Ratio	Lower	Upper
108	100		
106	106.7	85.3	127.9
79	20.8	16.8	25.2



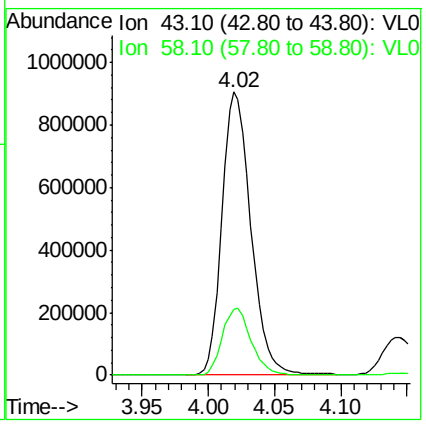


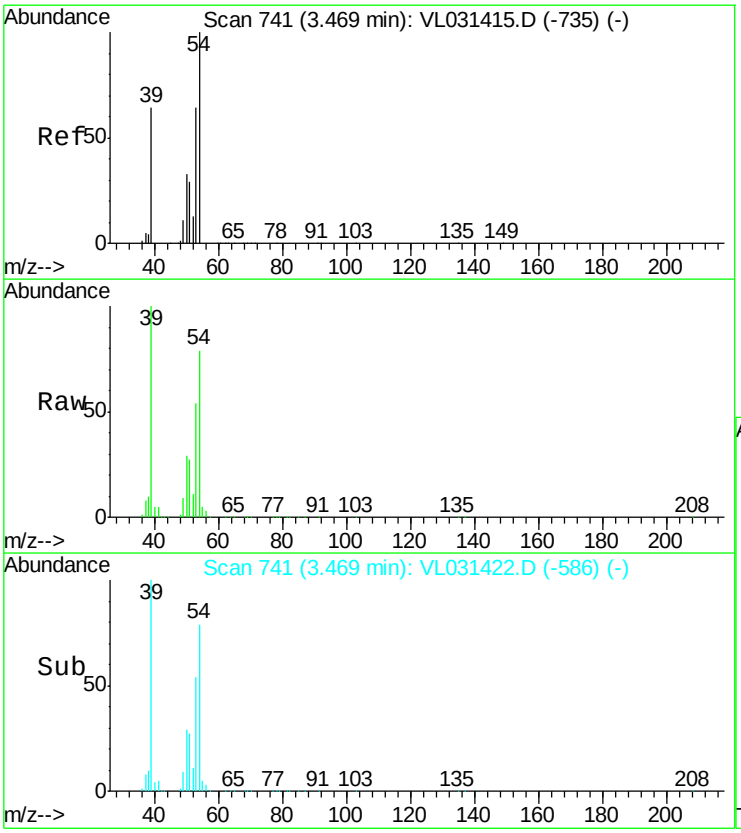
#15
Acetone
Concen: 8.08 ppbv
RT: 4.02 min Scan# 912
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 1375410

Ion	Ratio	Lower	Upper
43	100		
58	23.7	19.4	29.2

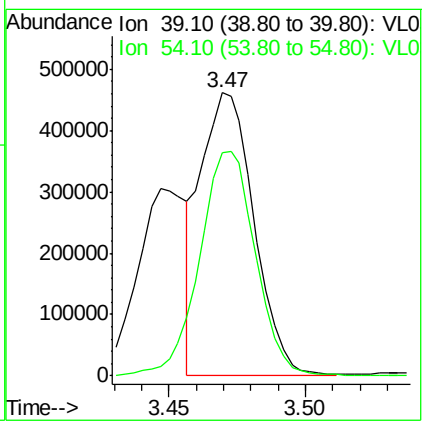


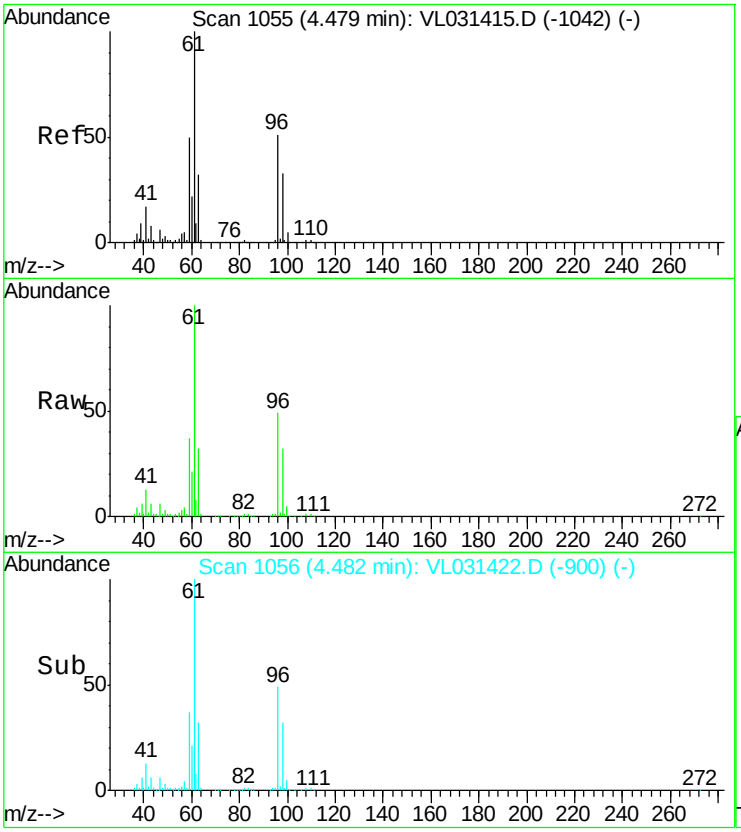


#16
1,3-Butadiene
Concen: 8.76 ppbv
RT: 3.47 min Scan# 741
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 39 Resp: 626067

Ion	Ratio	Lower	Upper
39	100		
54	83.8	67.0	100.6



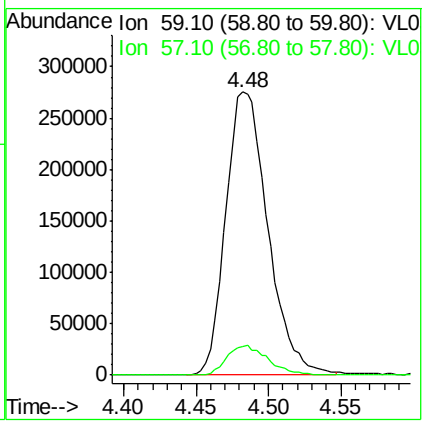


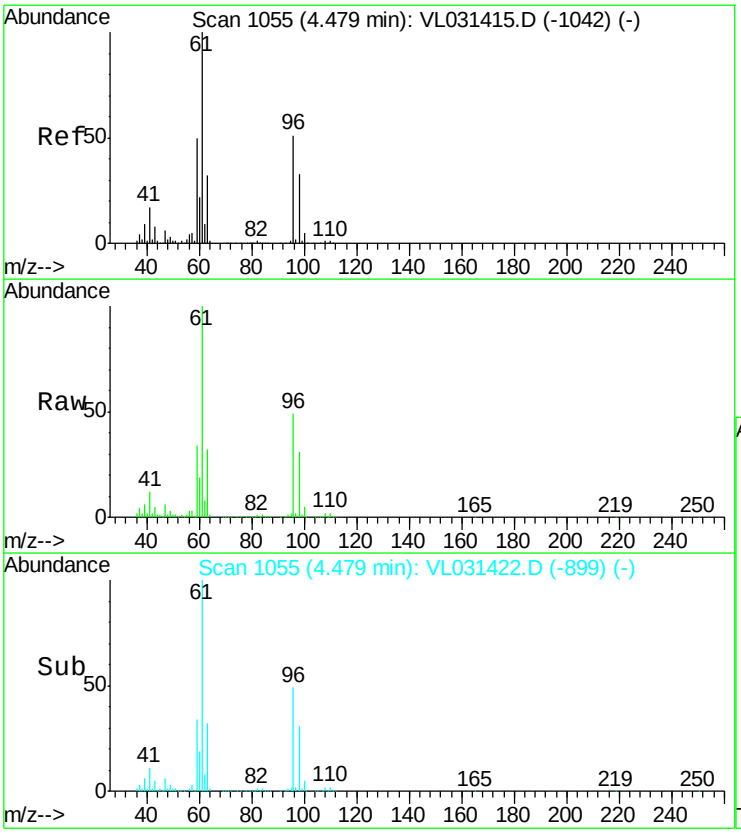
#17
tert-Butyl alcohol
Concen: 6.71 ppbv
RT: 4.48 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 59 Resp: 555795

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	13.0

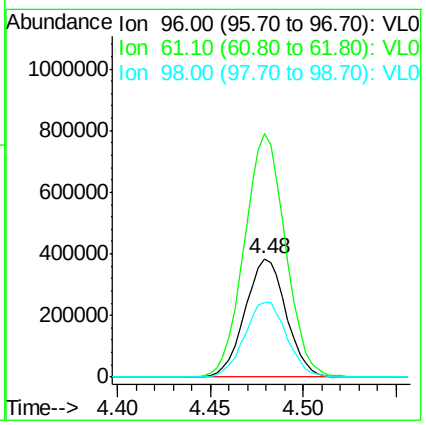


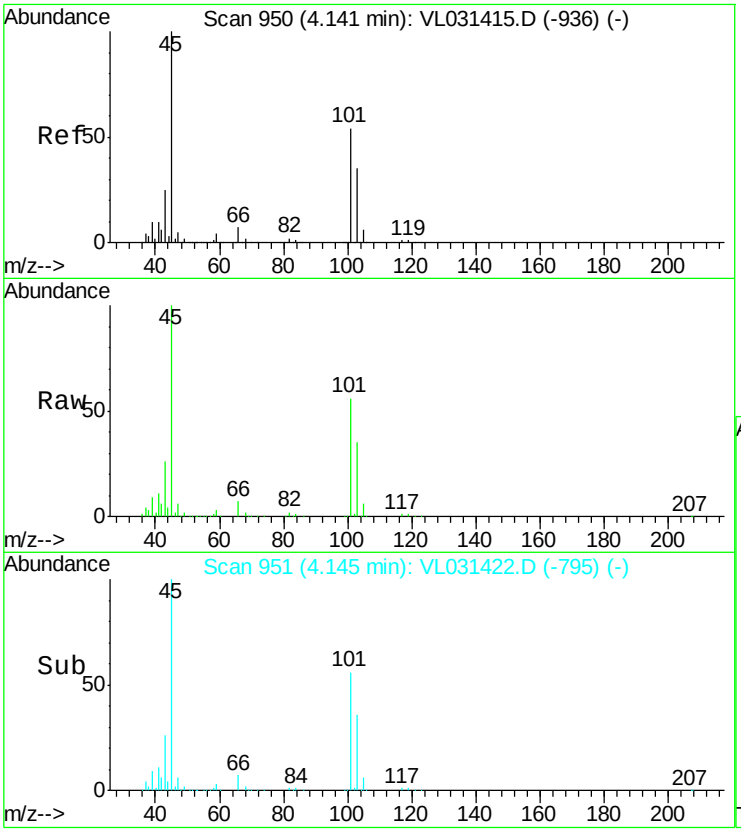


#18
1,1-Dichloroethene
Concen: 9.03 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 96 Resp: 594950

Ion	Ratio	Lower	Upper
96	100		
61	204.9	161.6	242.4
98	63.0	49.6	74.4



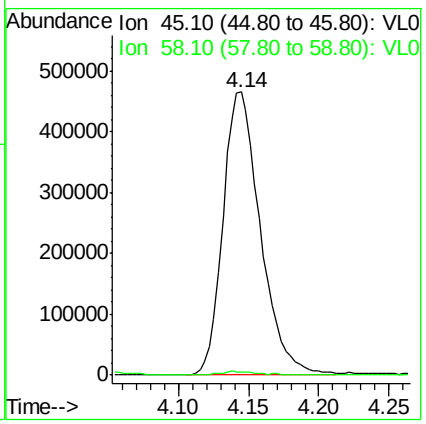


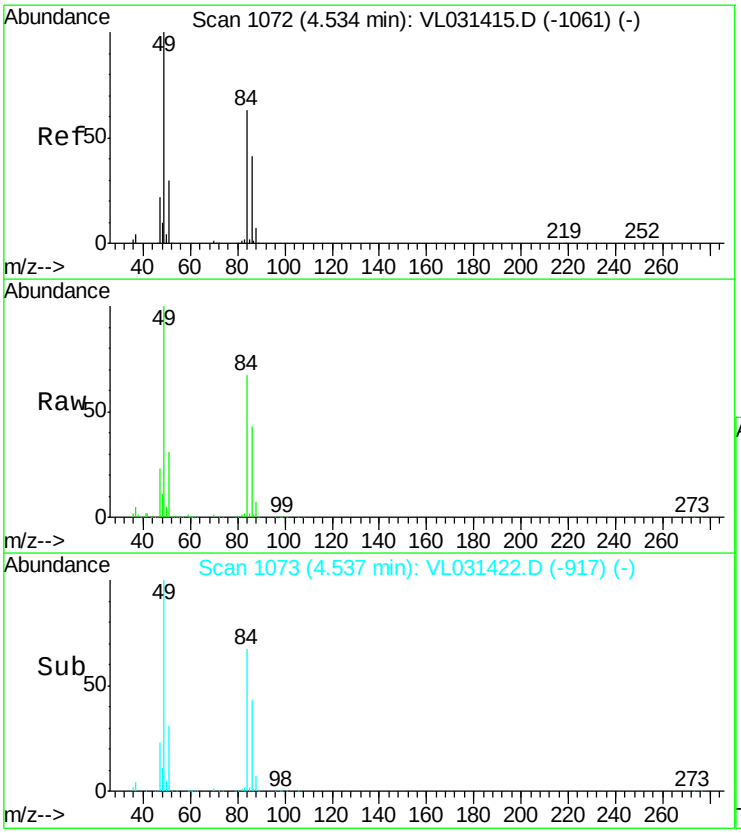
#19
Isopropyl Alcohol
Concen: 8.09 ppbv
RT: 4.14 min Scan# 951
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 45 Resp: 859024

Ion	Ratio	Lower	Upper
45	100		
58	1.6	1.0	1.4#

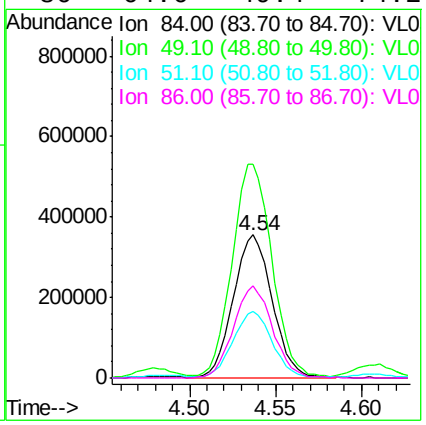


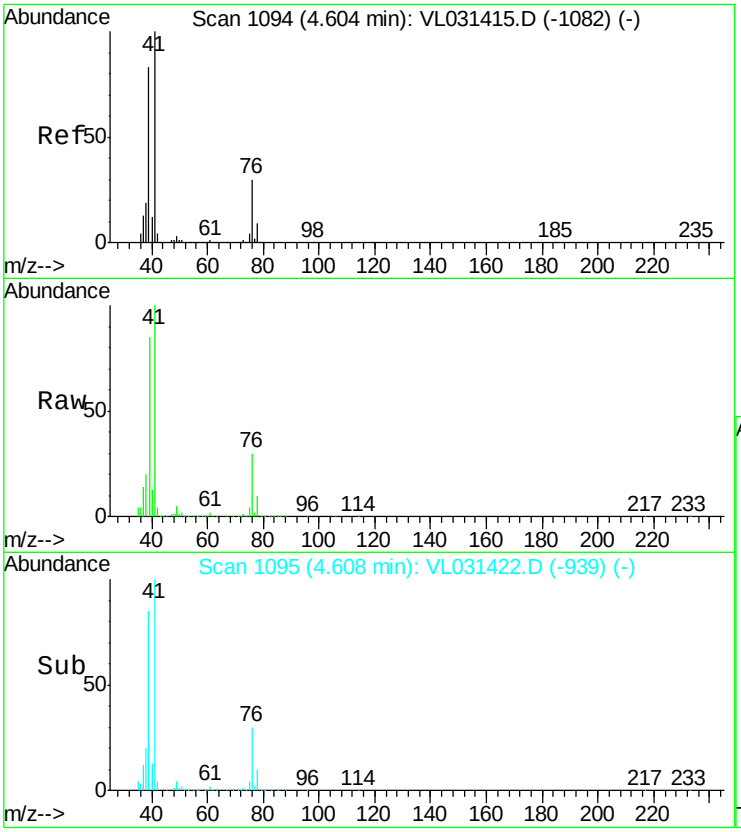


#20
Methylene Chloride
Concen: 8.40 ppbv
RT: 4.54 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 84 Resp: 554629

Ion	Ratio	Lower	Upper
84	100		
49	148.3	123.4	185.0
51	46.2	35.6	53.4
86	64.6	49.4	74.2



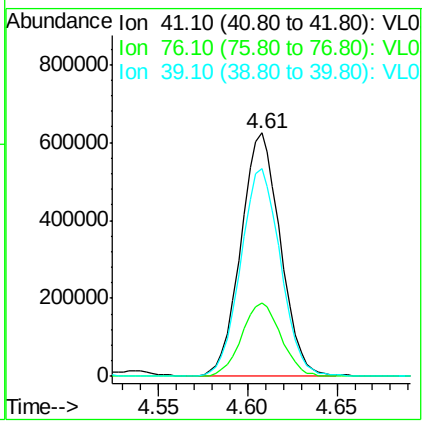


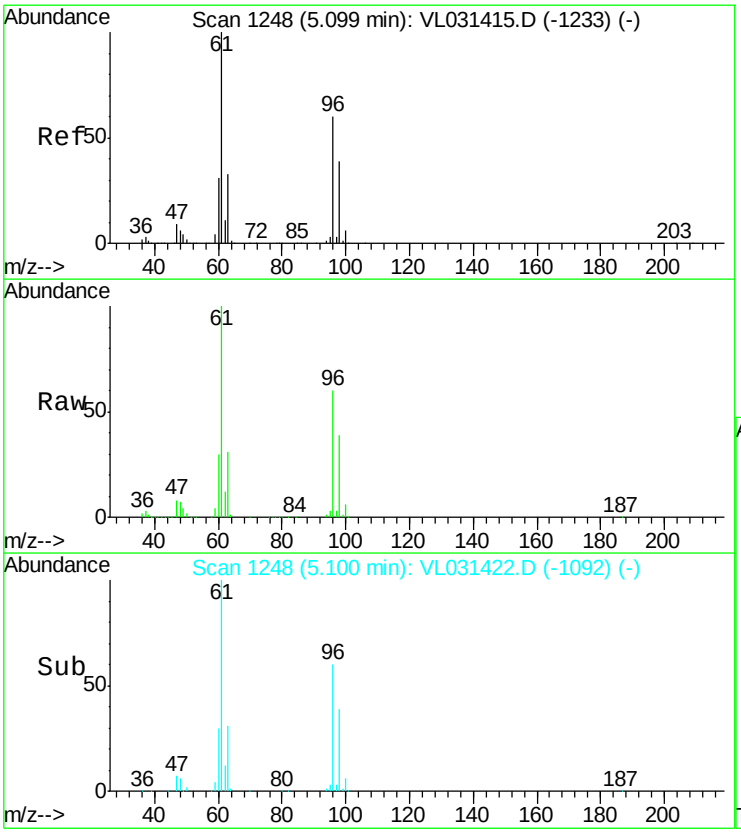
#21
Allyl Chloride
Concen: 9.44 ppbv
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 41 Resp: 964849

Ion	Ratio	Lower	Upper
41	100		
76	30.4	24.2	36.2
39	86.9	69.8	104.8

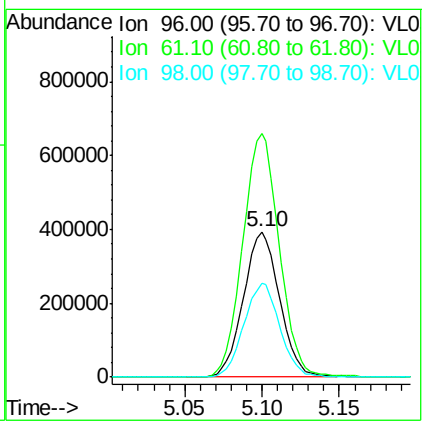


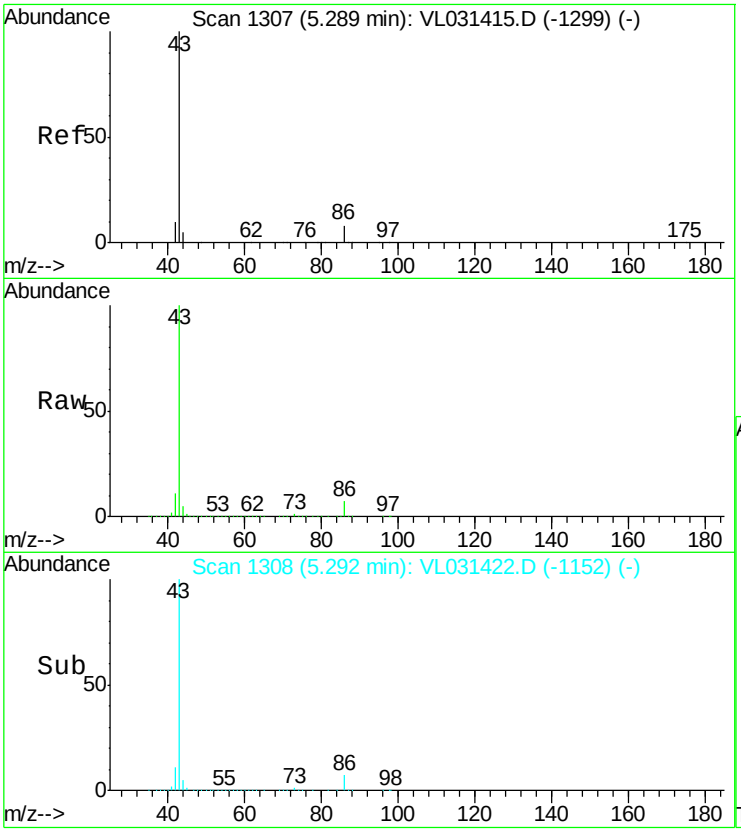


#22
trans-1,2-Dichloroethene
Concen: 9.25 ppbv
RT: 5.10 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 96 Resp: 639577

Ion	Ratio	Lower	Upper
96	100		
61	167.4	135.0	202.4
98	64.9	52.2	78.2



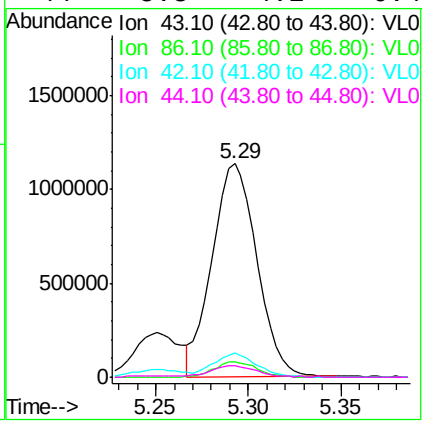


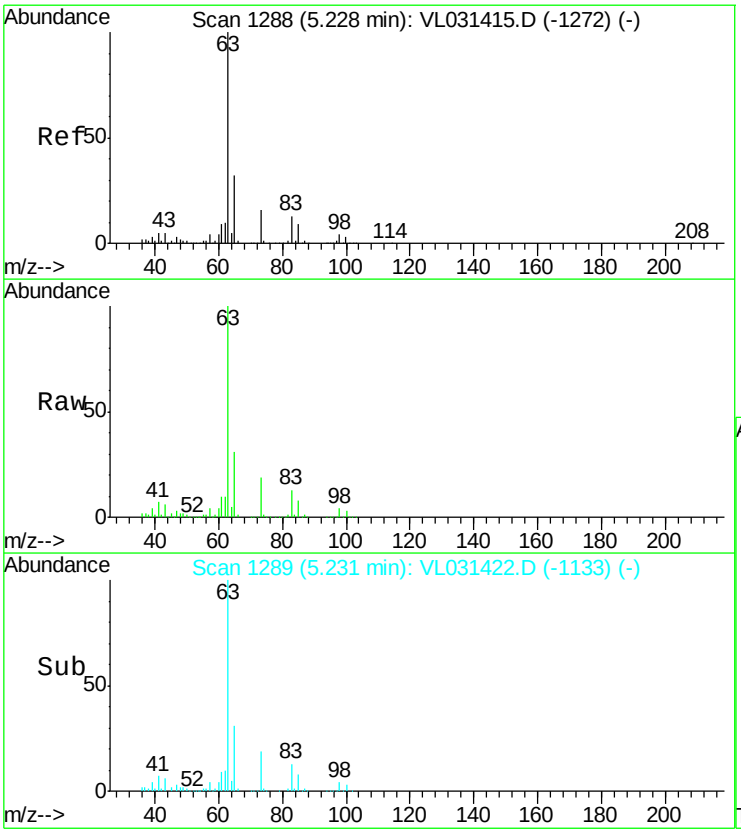
#23
Vinyl Acetate
Concen: 9.21 ppbv
RT: 5.29 min Scan# 1308
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 43 Resp: 1895946

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.6	8.4
42	11.1	8.6	12.8
44	5.3	4.2	6.4

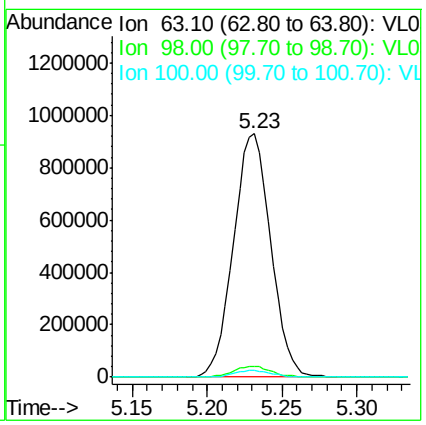


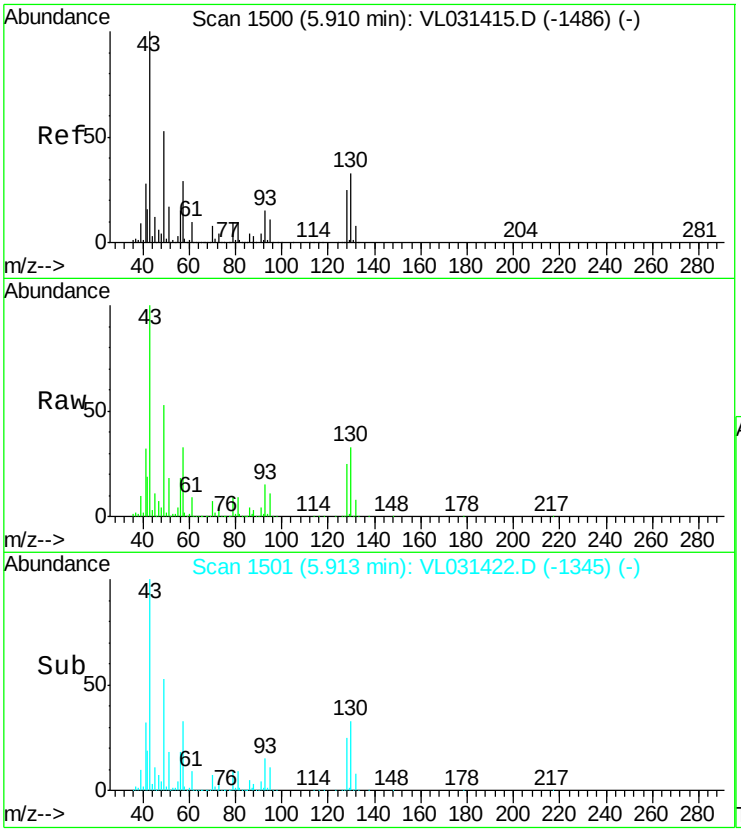


#24
1,1-Dichloroethane
Concen: 8.98 ppbv
RT: 5.23 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 63 Resp: 1612644

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.4	7.1
100	2.9	1.3	3.9



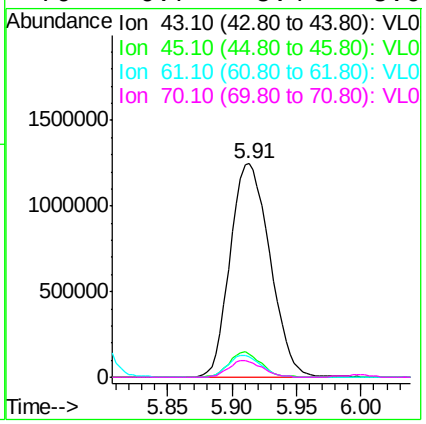


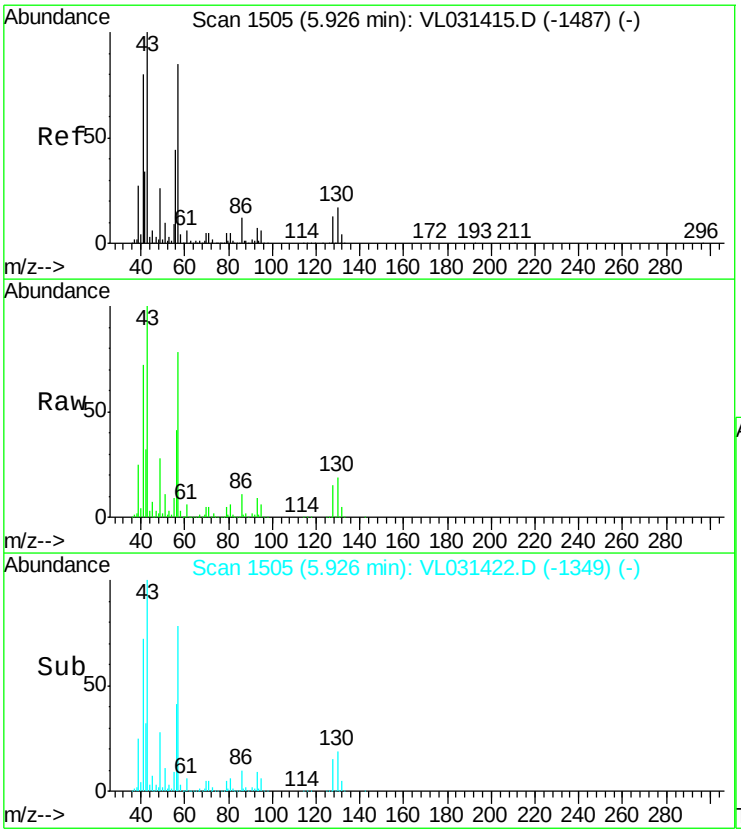
#25
Ethyl Acetate
Concen: 8.84 ppbv
RT: 5.91 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 43 Resp: 2679953

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	8.6	7.0	10.6
70	6.7	5.4	8.0

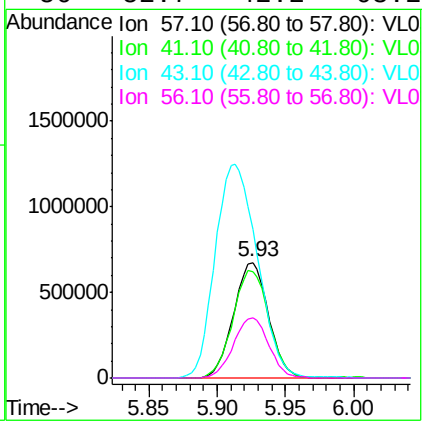


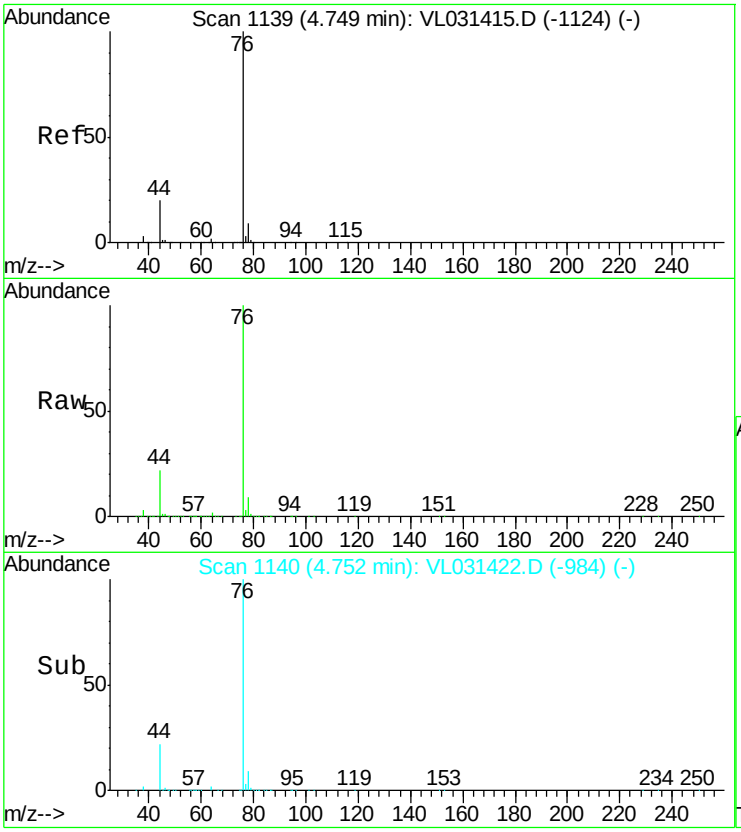


#26
Hexane
Concen: 8.89 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 57 Resp: 1199199

Ion	Ratio	Lower	Upper
57	100		
41	95.7	77.1	115.7
43	224.4	180.7	271.1
56	52.7	42.2	63.2



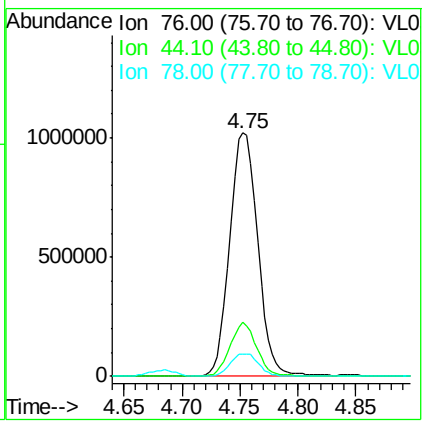


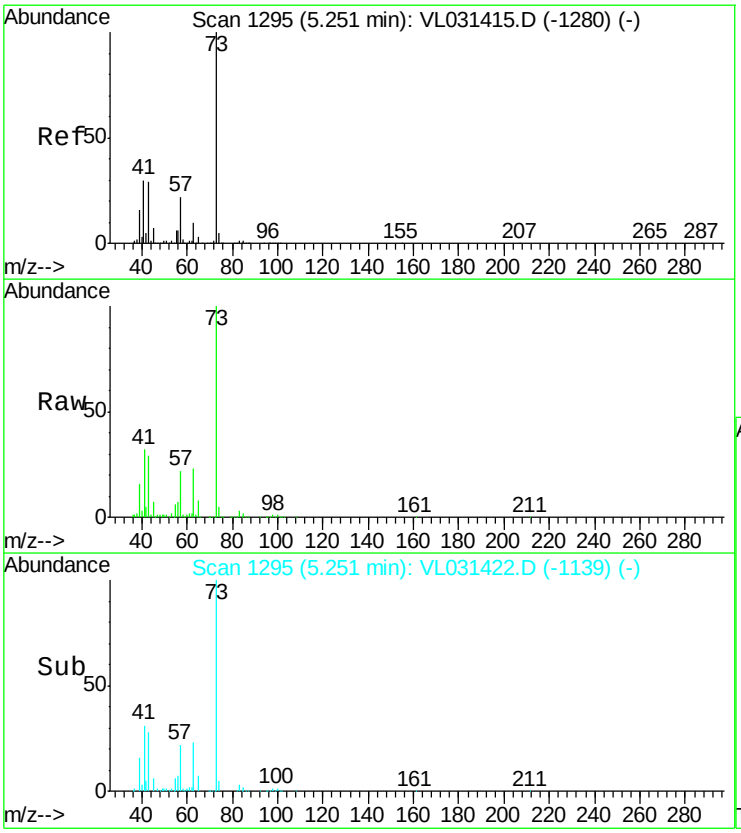
#27
Carbon Disulfide
Concen: 9.65 ppbv
RT: 4.75 min Scan# 1140
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 76 Resp: 1710866

Ion	Ratio	Lower	Upper
76	100		
44	20.7	16.7	25.1
78	9.3	7.5	11.3

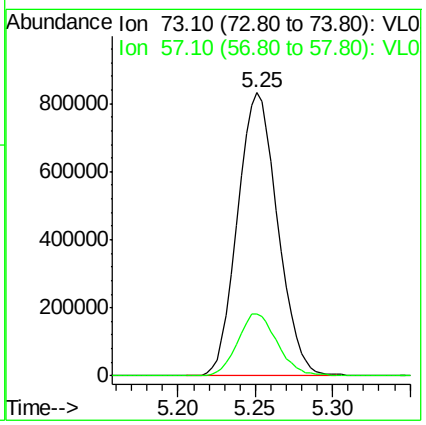


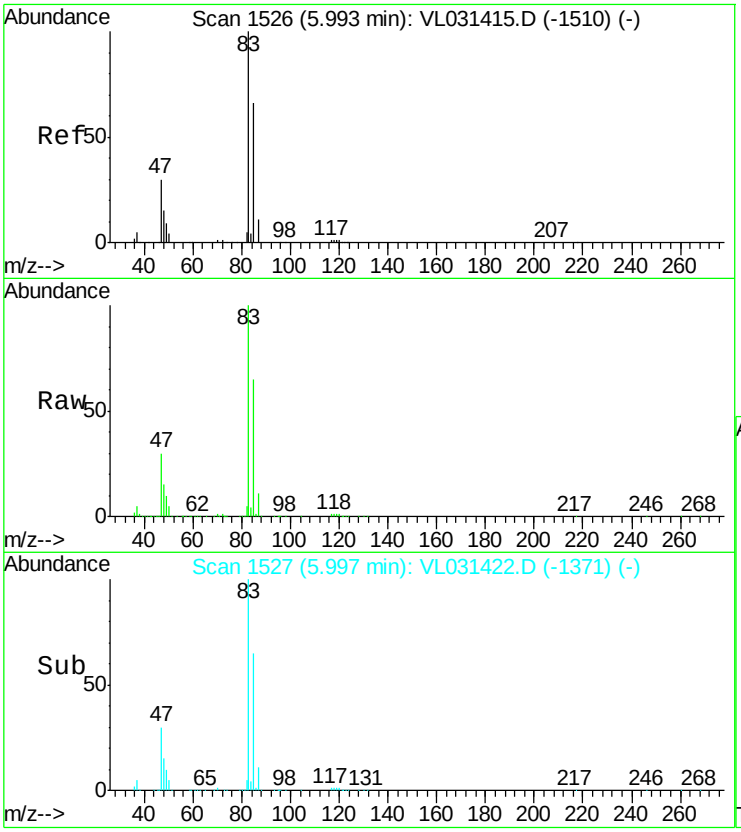


#28
Methyl tert-Butyl Ether
Concen: 9.36 ppbv
RT: 5.25 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 73 Resp: 1498749

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.5	26.3



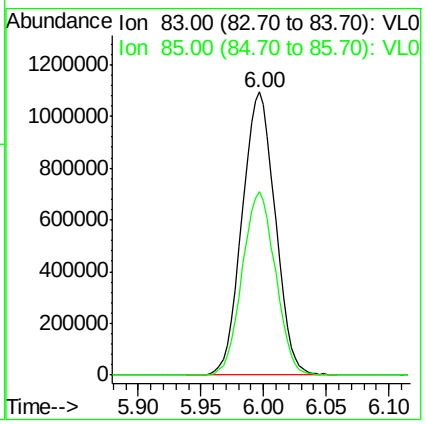


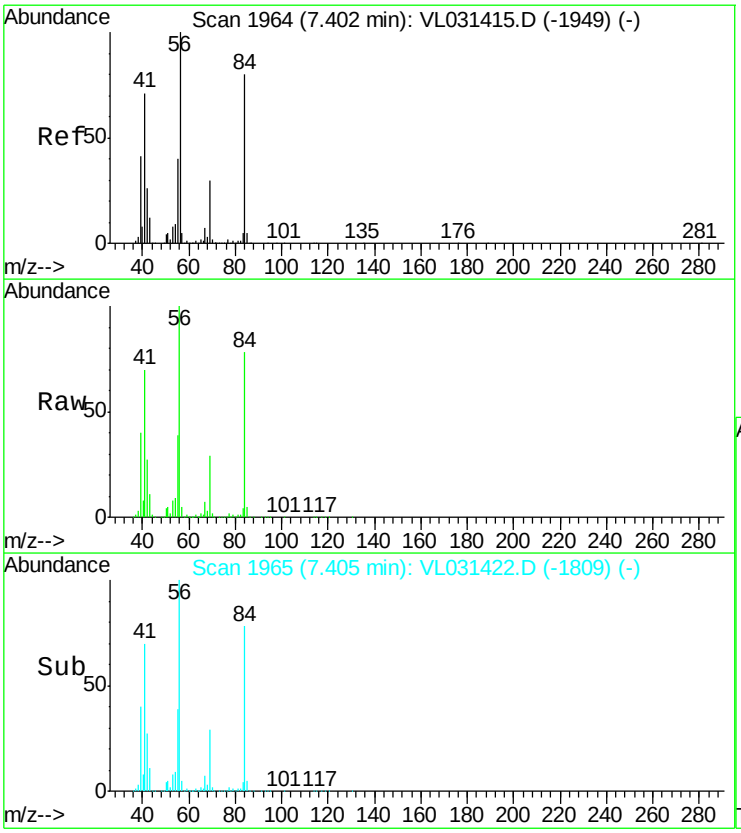
#29
Chloroform
Concen: 8.63 ppbv
RT: 6.00 min Scan# 1527
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 83 Resp: 2009023

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.3	76.9

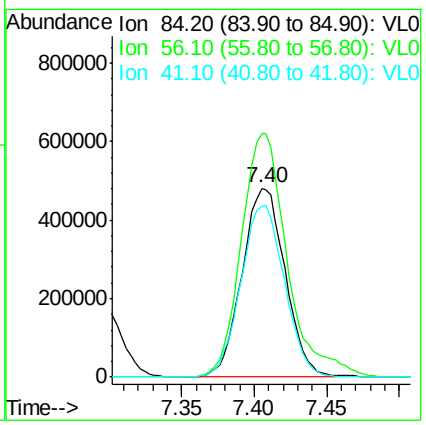


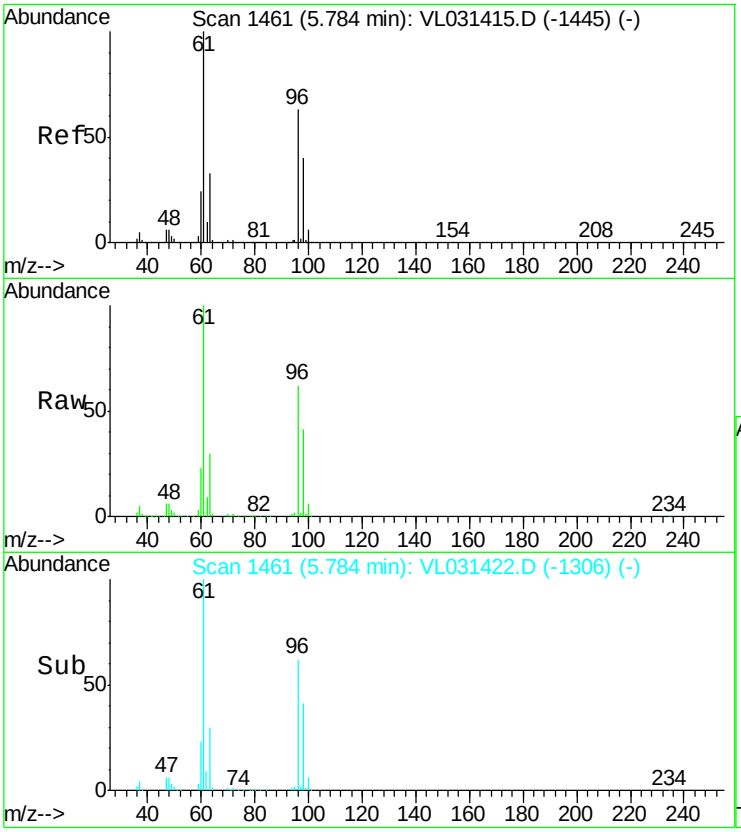


#30
Cyclohexane
Concen: 9.62 ppbv
RT: 7.40 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 84 Resp: 992035

Ion	Ratio	Lower	Upper
84	100		
56	138.5	109.0	163.4
41	92.4	73.3	109.9



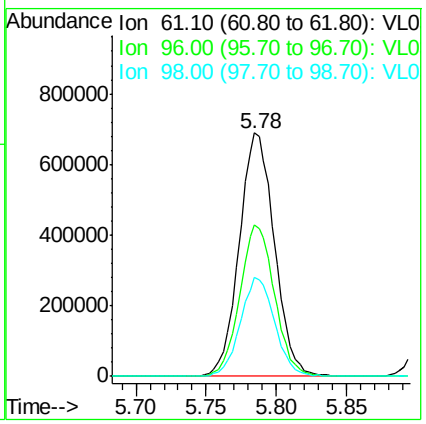


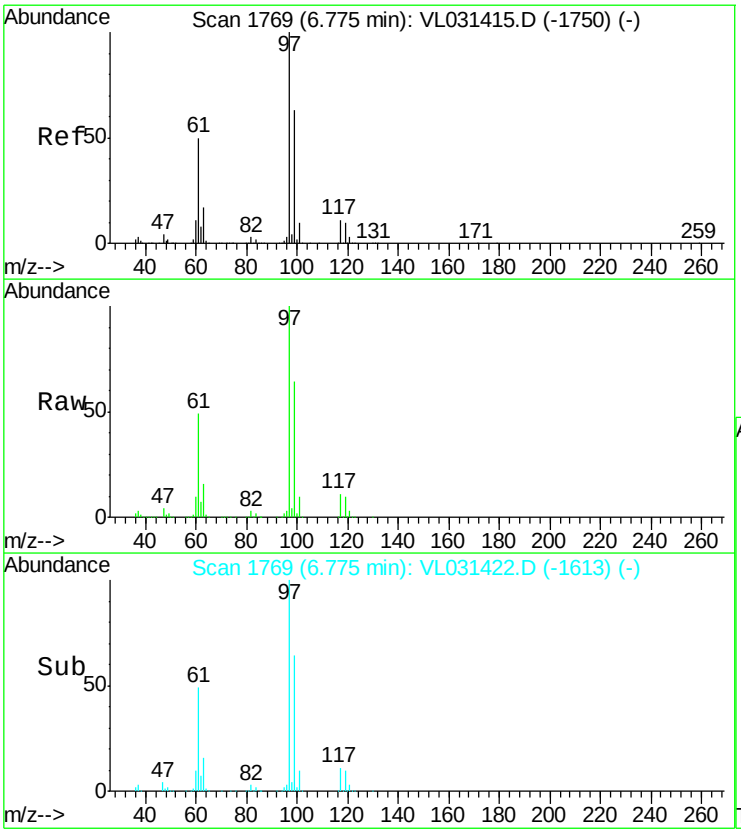
#31
cis-1,2-Dichloroethene
Concen: 9.43 ppbv
RT: 5.78 min Scan# 1461
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 61 Resp: 1203012

Ion	Ratio	Lower	Upper
61	100		
96	62.1	51.3	76.9
98	40.7	33.6	50.4

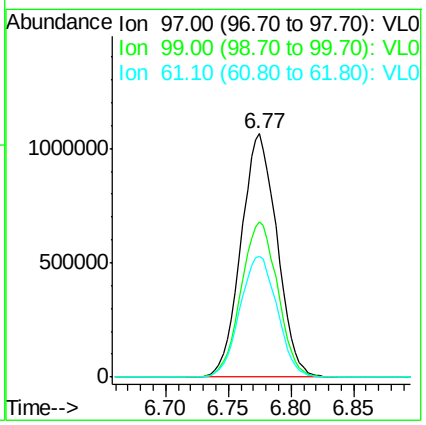


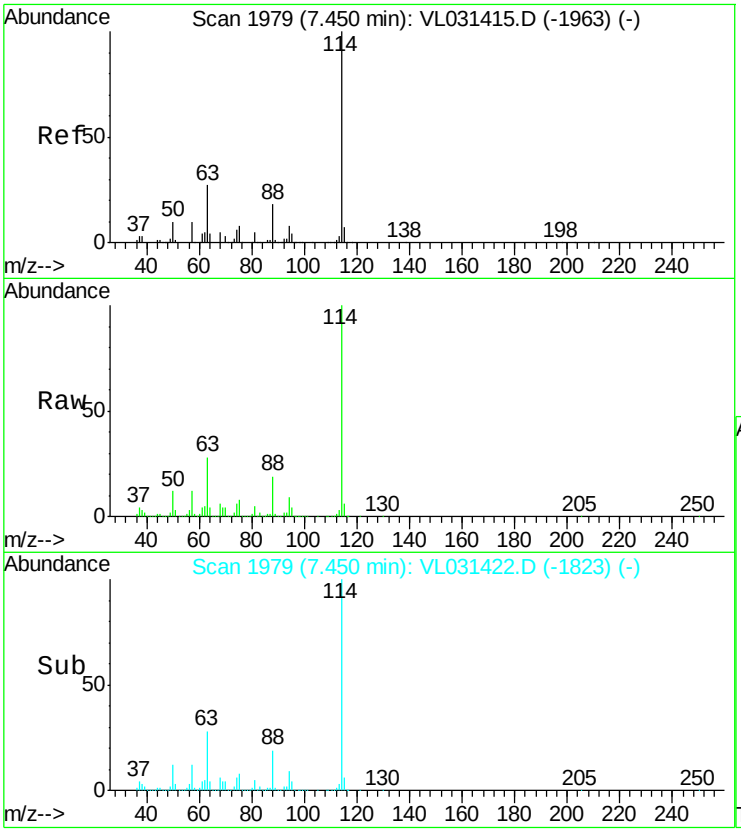


#32
1,1,1-Trichloroethane
Concen: 9.35 ppbv
RT: 6.77 min Scan# 1769
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 97 Resp: 2119937

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.9	77.9
61	51.3	40.6	61.0



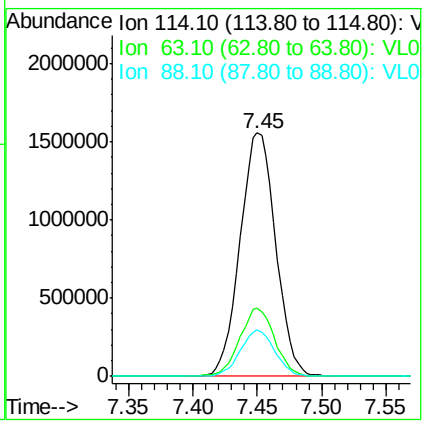


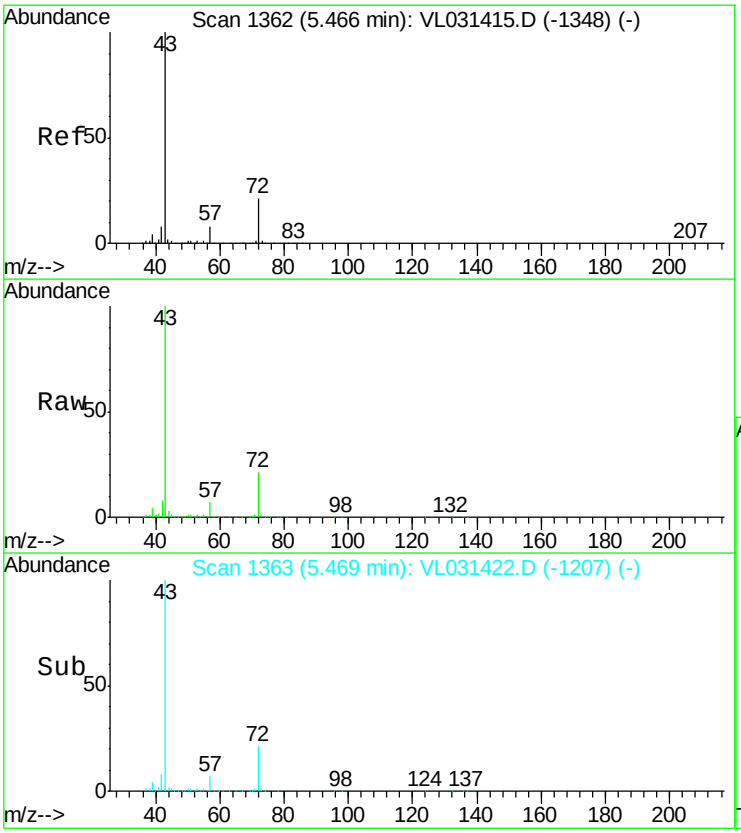
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.45 min Scan# 1979
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:114 Resp: 3000340

Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.5	33.7
88	18.3	14.6	22.0

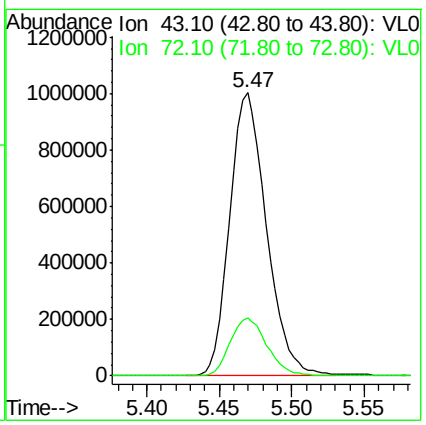


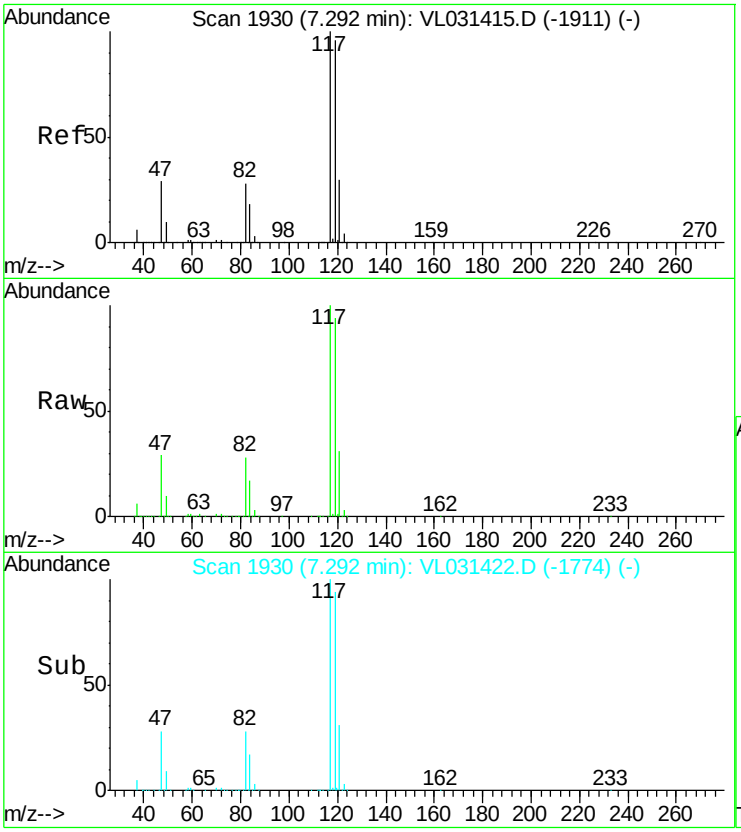


#34
2-Butanone
Concen: 9.26 ppbv
RT: 5.47 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 43 Resp: 1758180

Ion	Ratio	Lower	Upper
43	100		
72	20.8	16.8	25.2



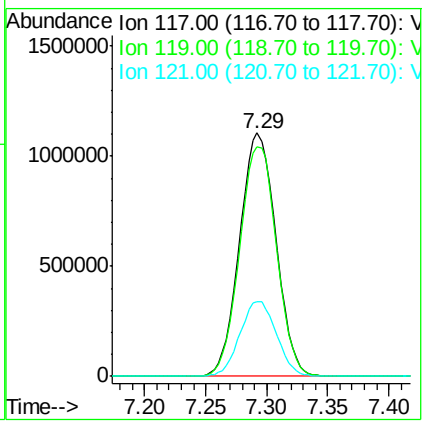


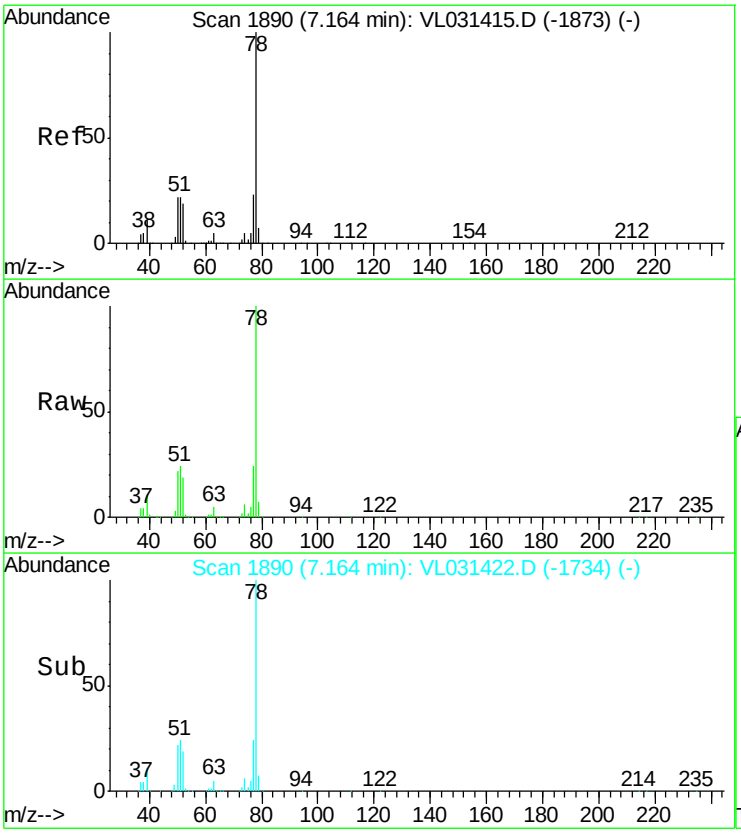
#35
Carbon Tetrachloride
Concen: 9.35 ppbv
RT: 7.29 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:117 Resp: 2272273

Ion	Ratio	Lower	Upper
117	100		
119	94.4	74.2	111.4
121	30.8	24.2	36.4

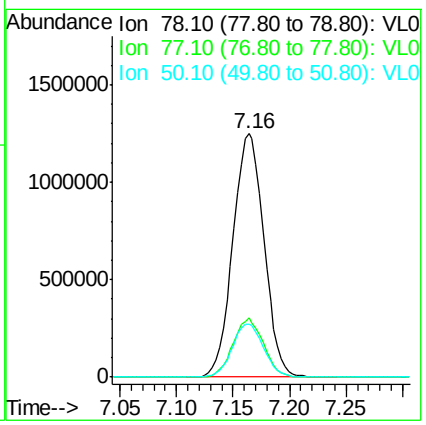


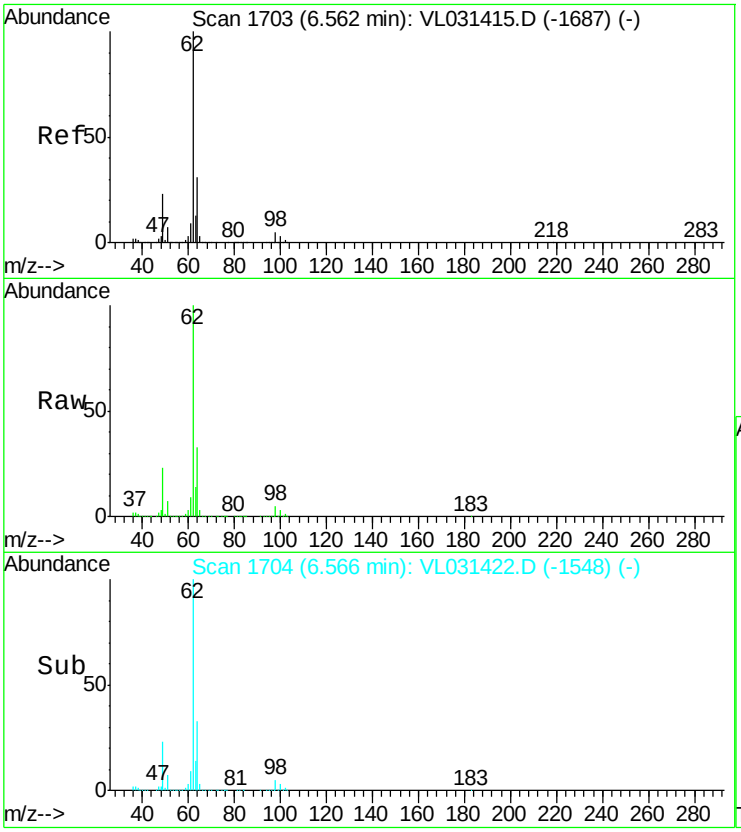


#36
Benzene
Concen: 8.98 ppbv
RT: 7.16 min Scan# 1890
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 78 Resp: 2396116

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.7	28.1
50	21.9	18.4	27.6



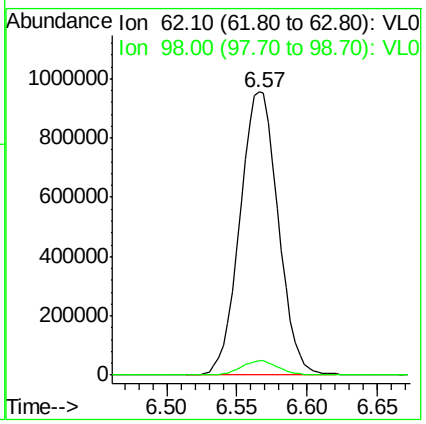


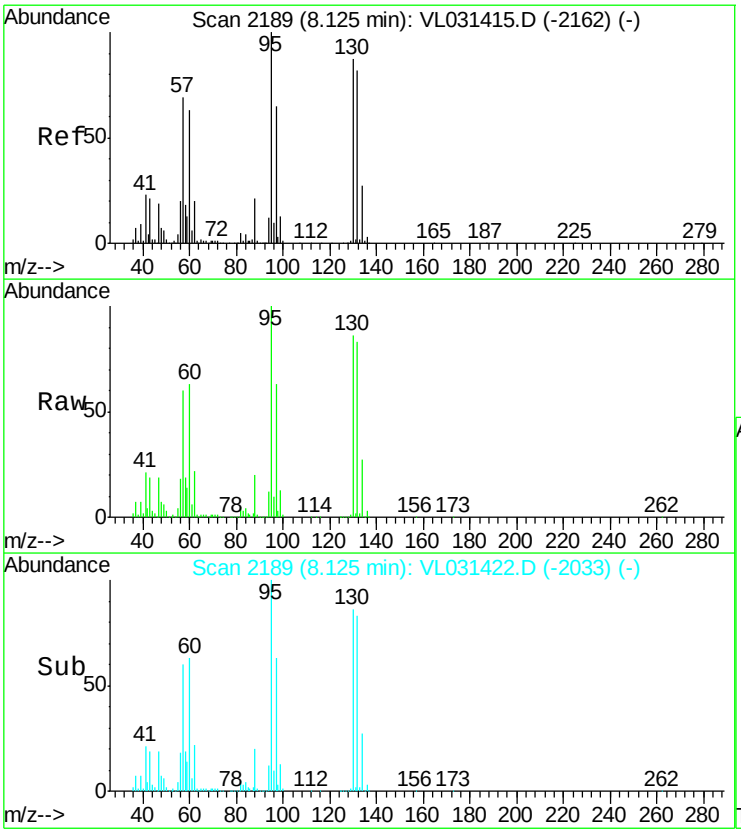
#37
1,2-Dichloroethane
Concen: 8.78 ppbv
RT: 6.57 min Scan# 1704
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 62 Resp: 1818175

Ion	Ratio	Lower	Upper
62	100		
98	4.9	4.1	6.1

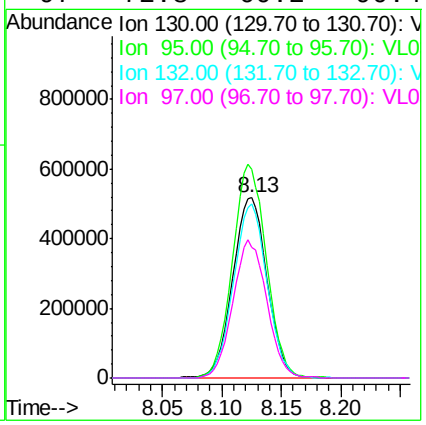


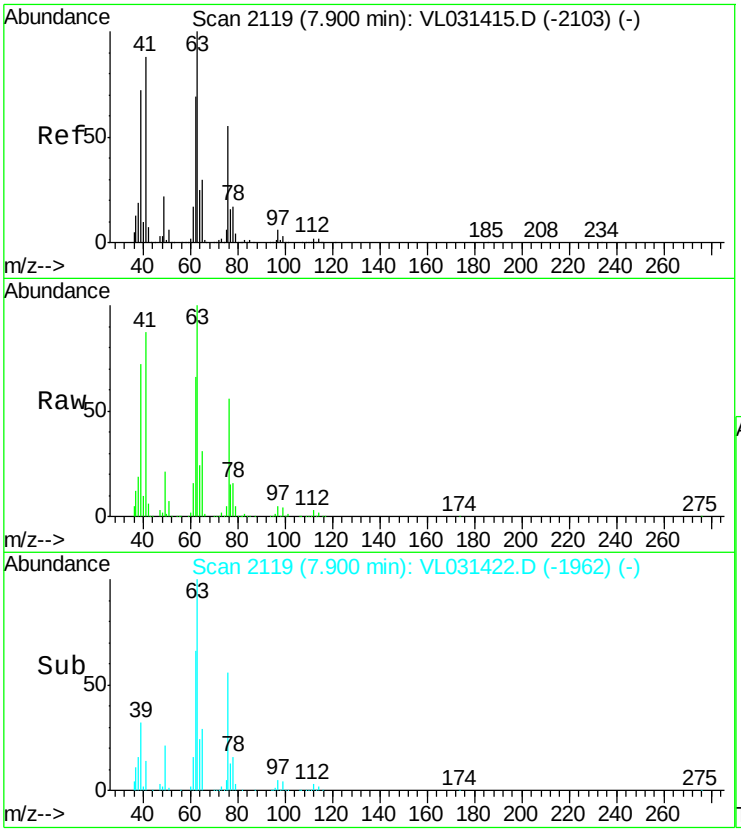


#38
Trichloroethene
Concen: 9.94 ppbv
RT: 8.13 min Scan# 2189
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion:130 Resp: 1031386

Ion	Ratio	Lower	Upper
130	100		
95	116.1	92.9	139.3
132	96.5	74.9	112.3
97	72.8	60.2	90.4



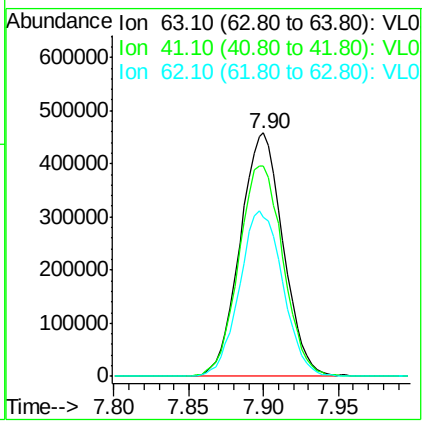


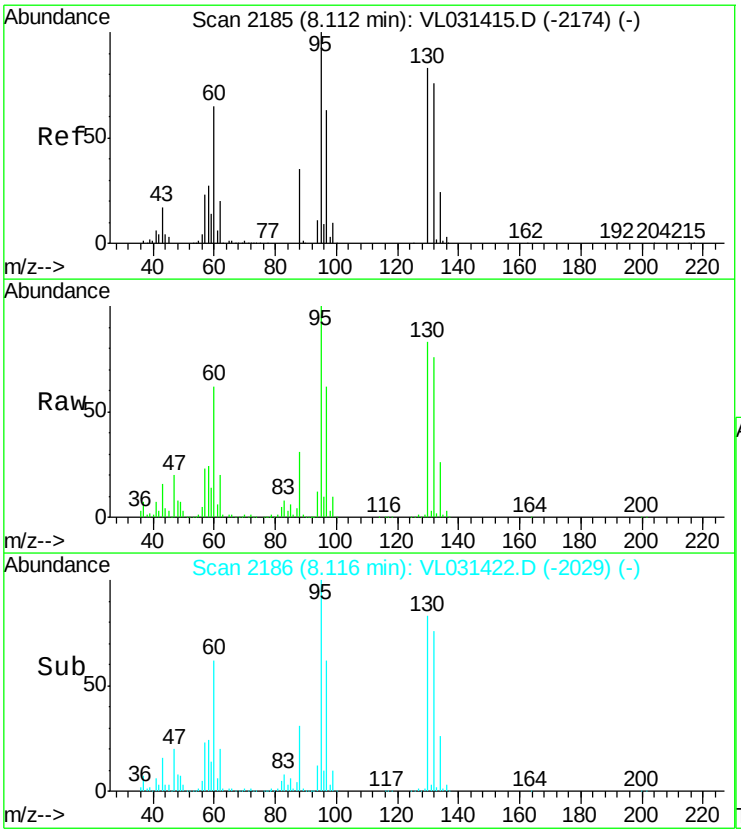
#39
1,2-Dichloropropane
Concen: 9.13 ppbv
RT: 7.90 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 63 Resp: 914182

Ion	Ratio	Lower	Upper
63	100		
41	86.5	67.6	101.4
62	65.4	51.8	77.6

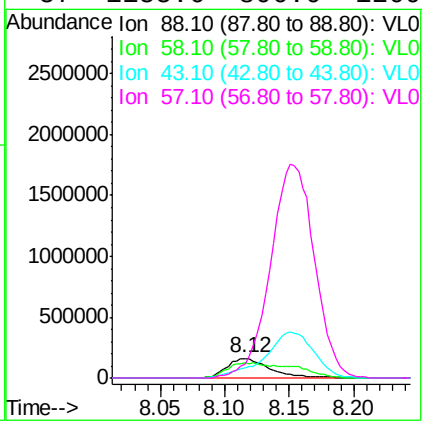


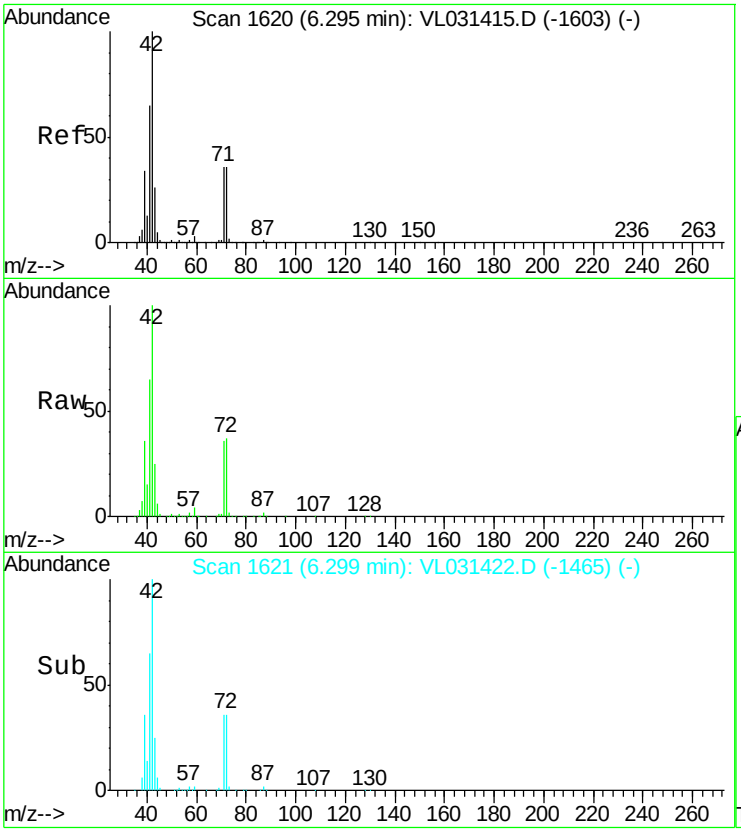


#40
1,4-Dioxane
Concen: 8.82 ppbv
RT: 8.12 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 88 Resp: 361116

Ion	Ratio	Lower	Upper
88	100		
58	129.9	98.2	147.2
43	279.7	197.3	295.9
57	1155.6	806.0	1209.0



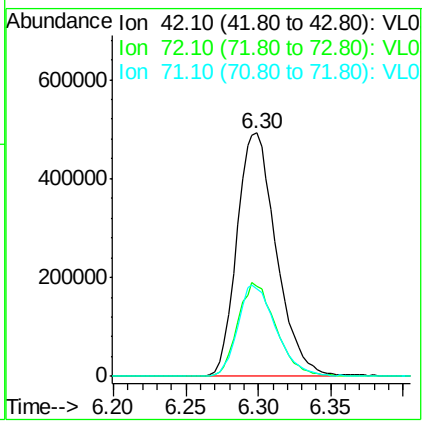


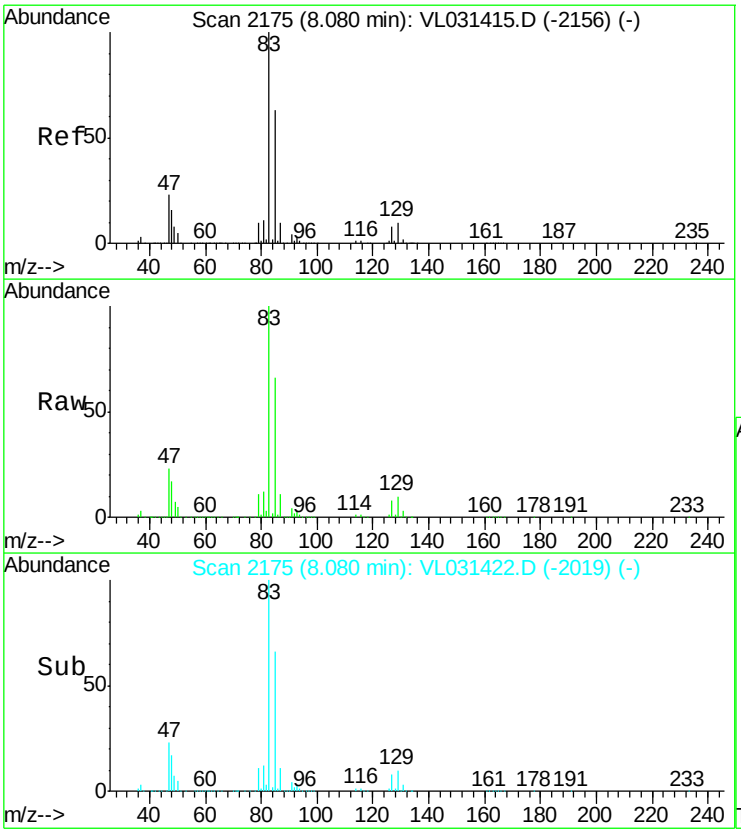
#41
Tetrahydrofuran
Concen: 8.83 ppbv
RT: 6.30 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 42 Resp: 925591

Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.4	45.6
71	36.9	29.2	43.8

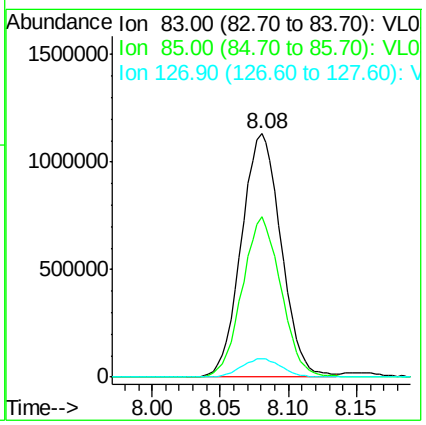


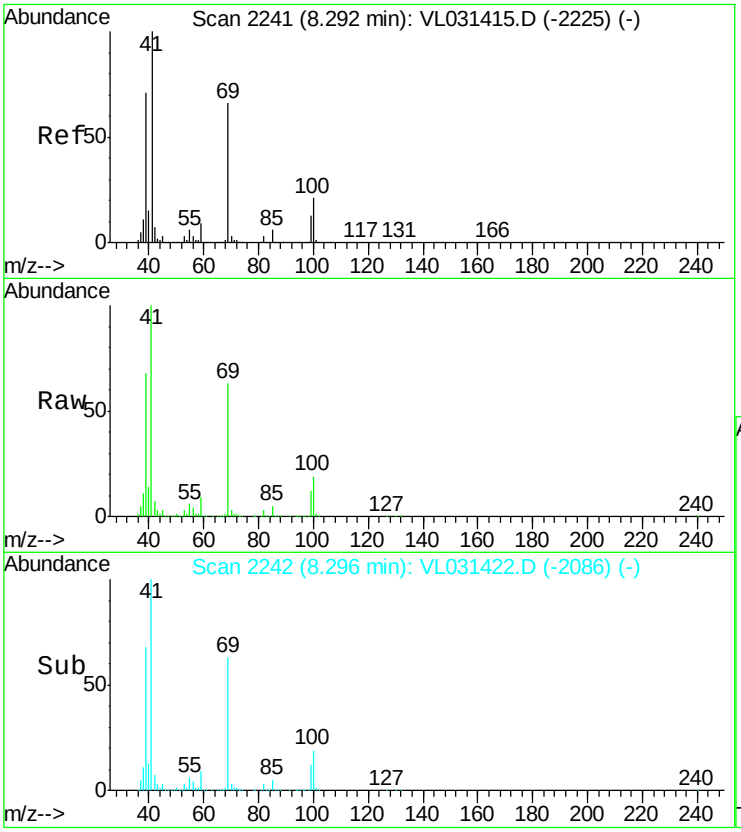


#42
Bromodichloromethane
Concen: 9.23 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 83 Resp: 2291723

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.1	78.1
127	7.7	6.6	10.0



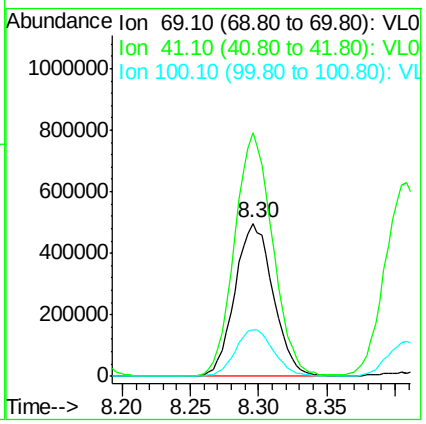


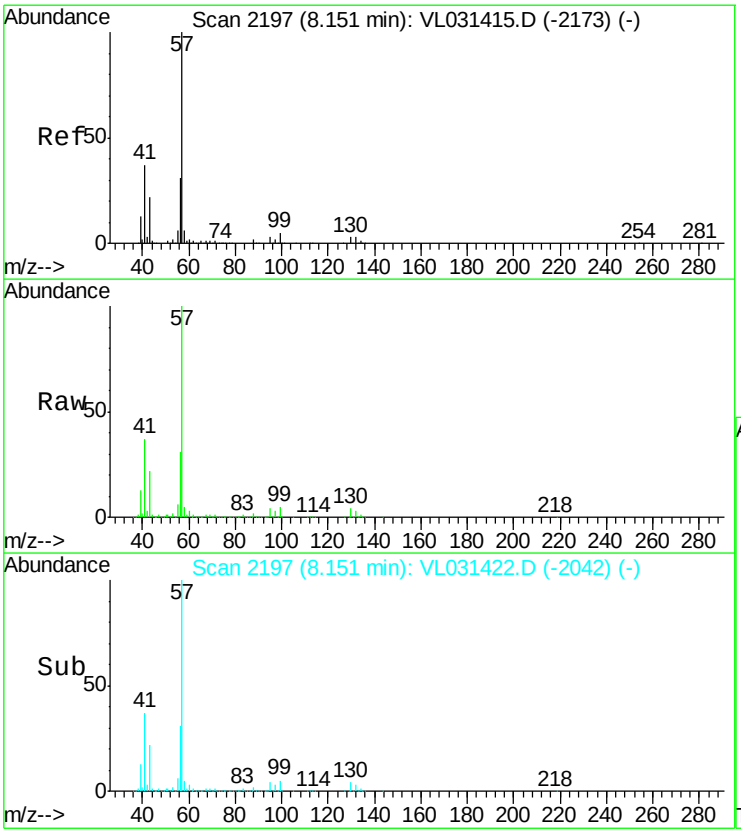
#43
Methyl Methacrylate
Concen: 9.93 ppbv
RT: 8.30 min Scan# 2242
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 69 Resp: 968407

Ion	Ratio	Lower	Upper
69	100		
41	158.0	127.0	190.6
100	30.7	24.6	37.0

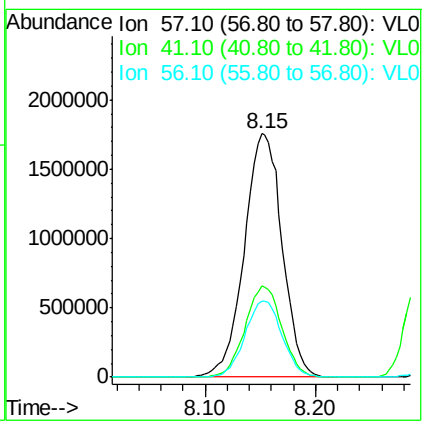


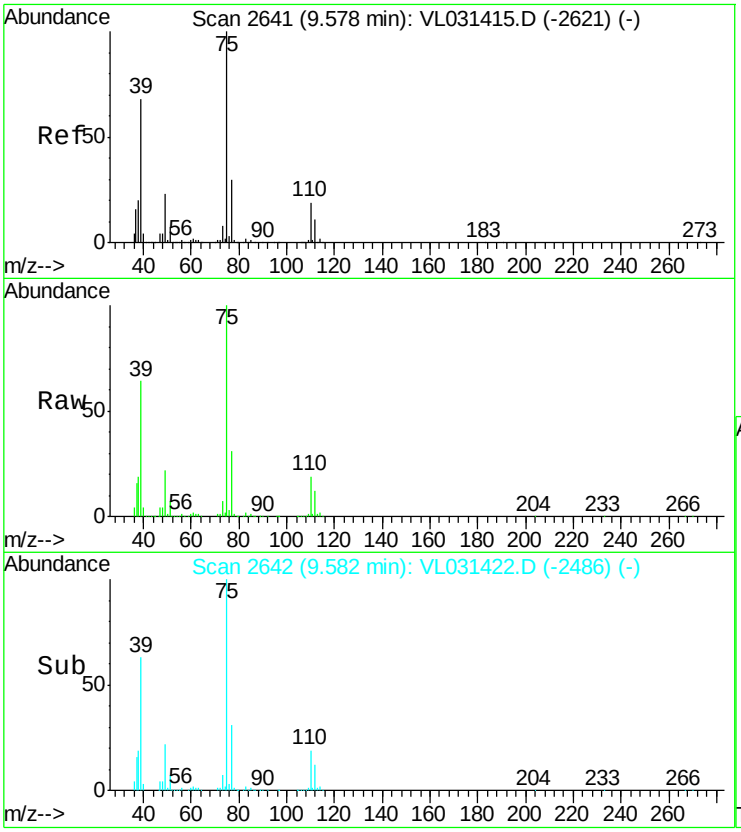


#44
2,2,4-Trimethylpentane
Concen: 9.14 ppbv
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 57 Resp: 4160392

Ion	Ratio	Lower	Upper
57	100		
41	36.4	28.8	43.2
56	30.6	24.6	37.0



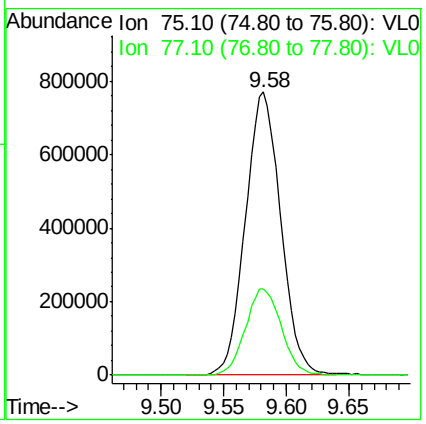


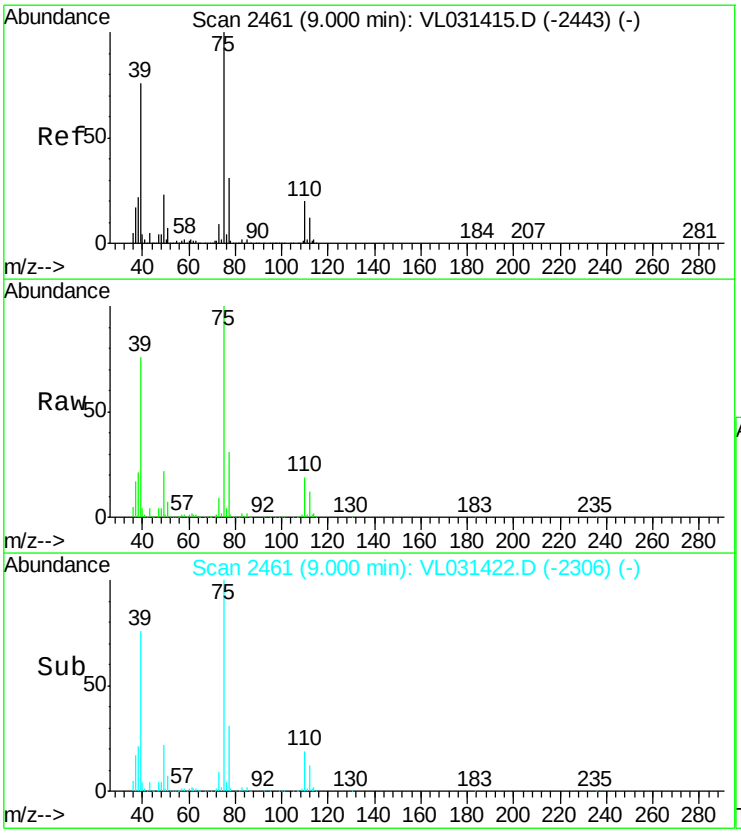
#45
t-1,3-Dichloropropene
Concen: 10.79 ppbv
RT: 9.58 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 75 Resp: 1509138

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9

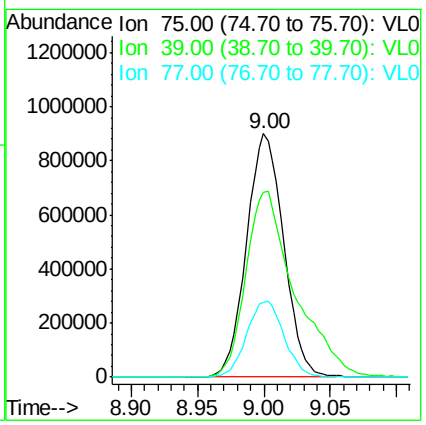


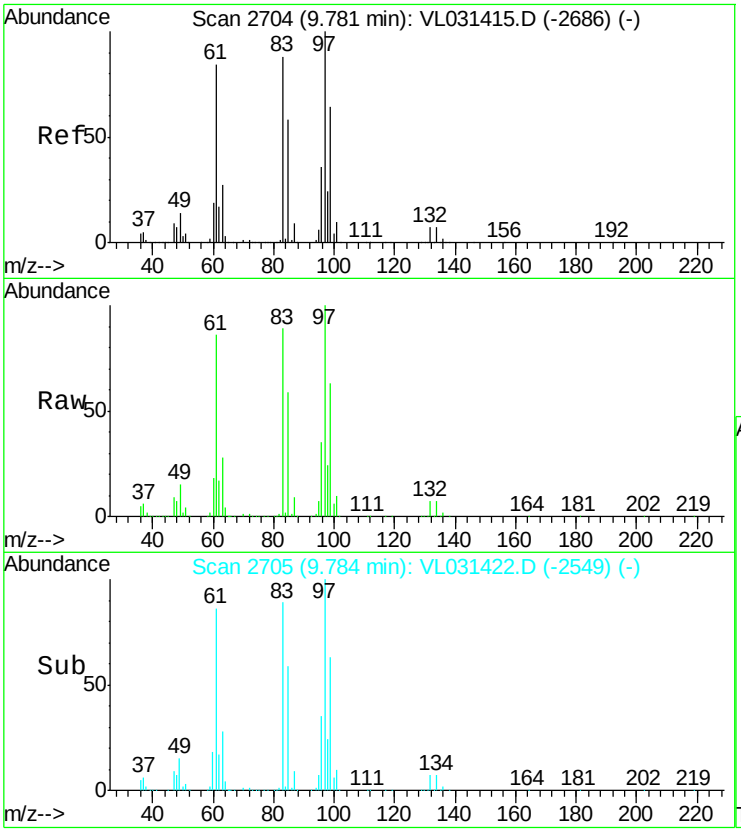


#46
cis-1,3-Dichloropropene
Concen: 10.19 ppbv
RT: 9.00 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 75 Resp: 1749056

Ion	Ratio	Lower	Upper
75	100		
39	75.8	59.4	89.0
77	30.9	25.0	37.4



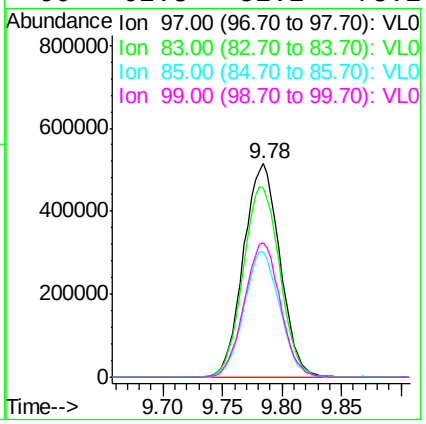


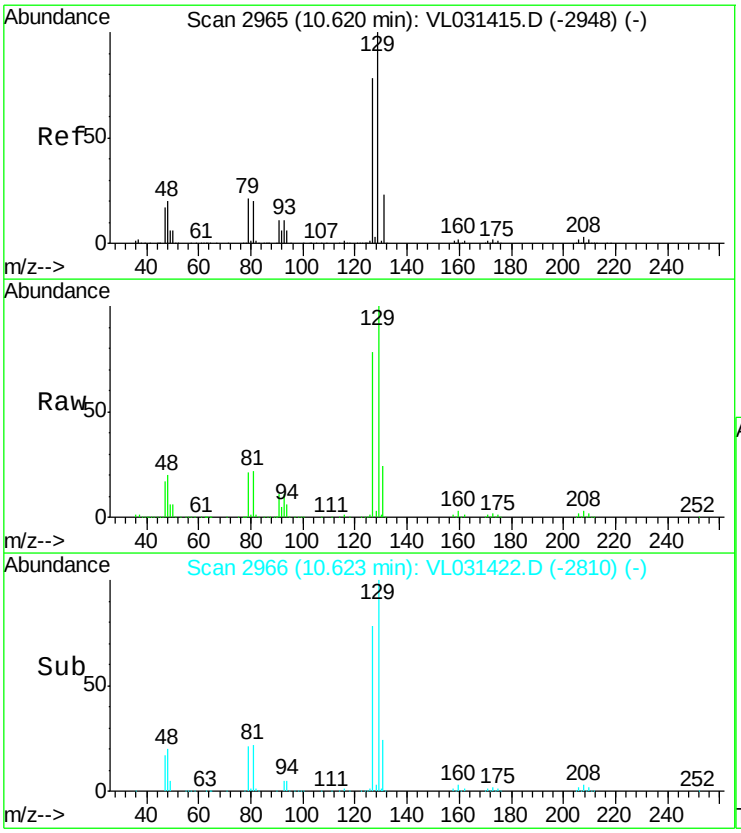
#47
1,1,2-Trichloroethane
Concen: 9.25 ppbv
RT: 9.78 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 97 Resp: 1090491

Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.4	107.2
85	58.9	46.2	69.2
99	62.8	52.2	78.2

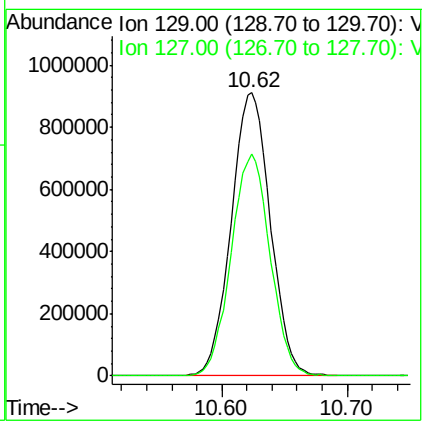


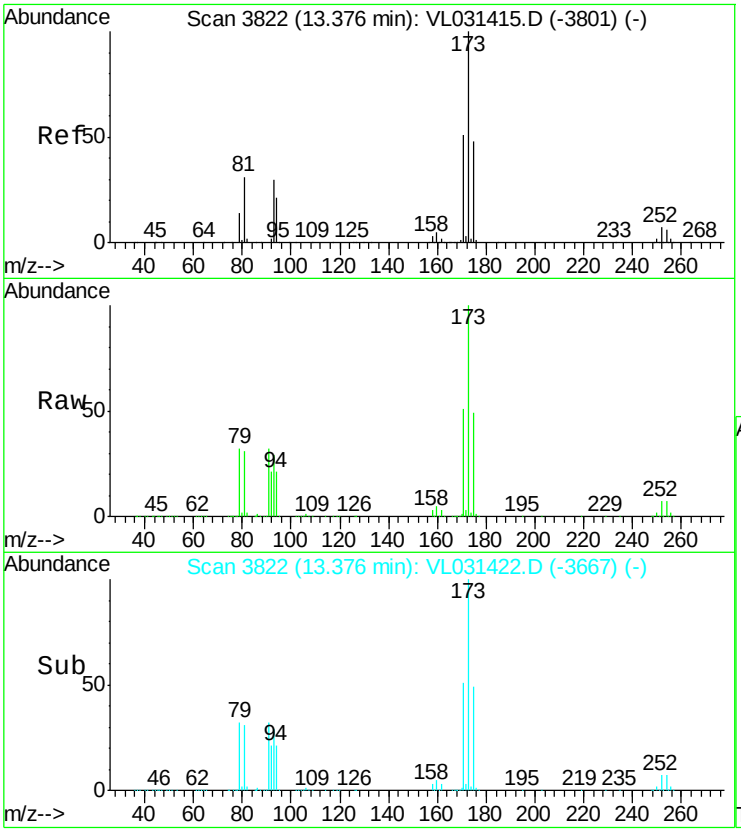


#48
Dibromochloromethane
Concen: 9.42 ppbv
RT: 10.62 min Scan# 2966
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion:129 Resp: 1975240

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.4	118.1



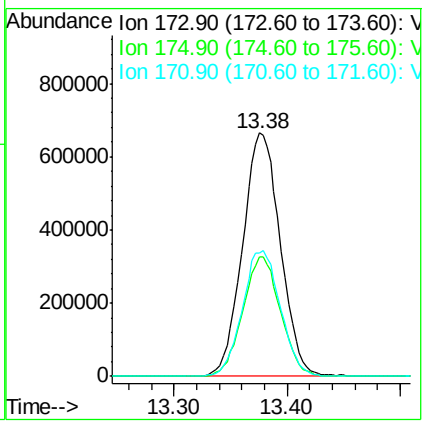


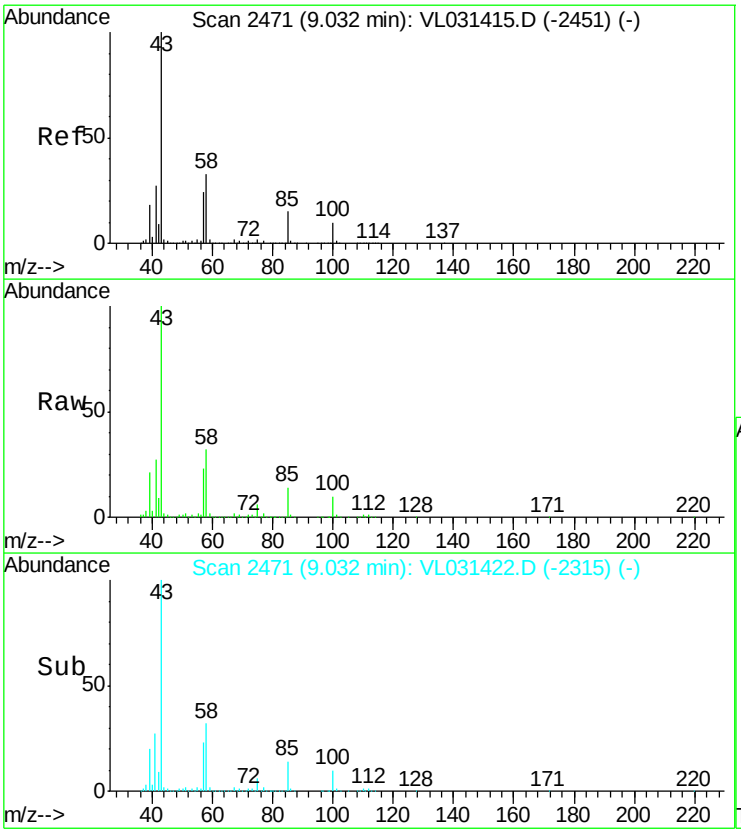
#49
Bromoform
Concen: 9.66 ppbv
RT: 13.38 min Scan# 3822
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:173 Resp: 1541260

Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.0	58.4
171	52.2	42.0	63.0

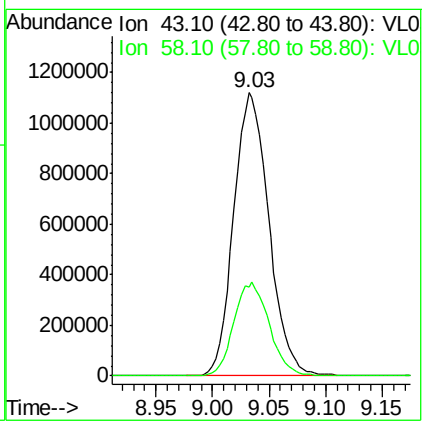


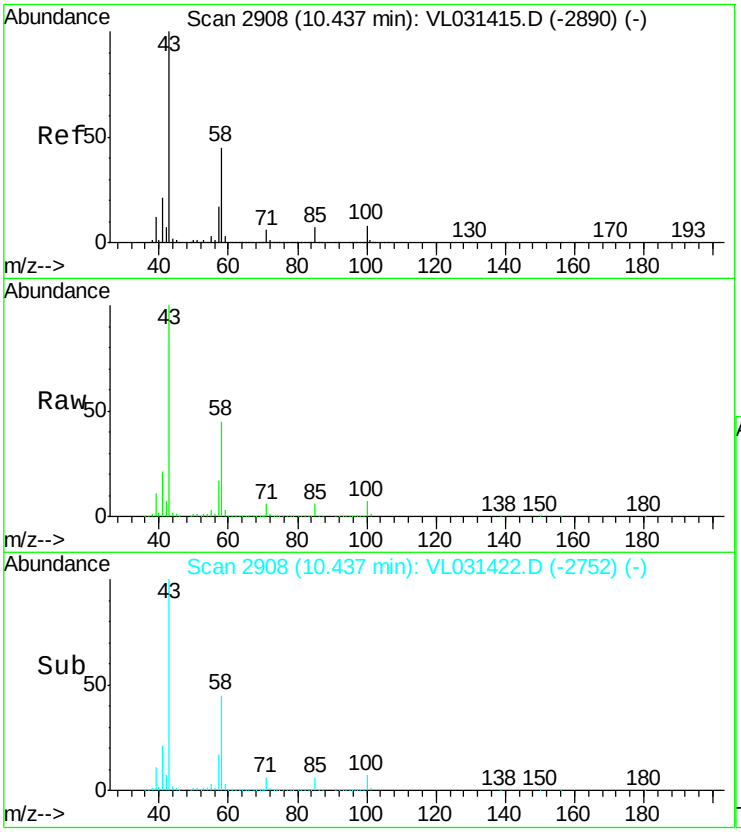


#50
4-Methyl-2-Pentanone
Concen: 9.48 ppbv
RT: 9.03 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 43 Resp: 2423667

Ion	Ratio	Lower	Upper
43	100		
58	33.4	27.1	40.7



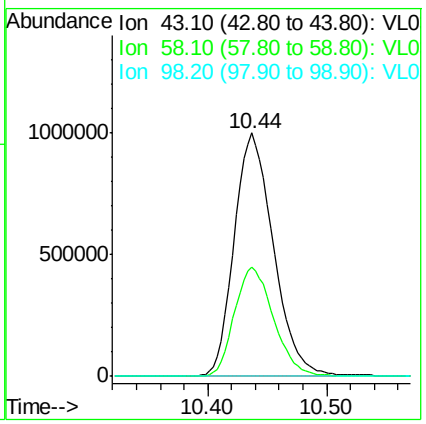


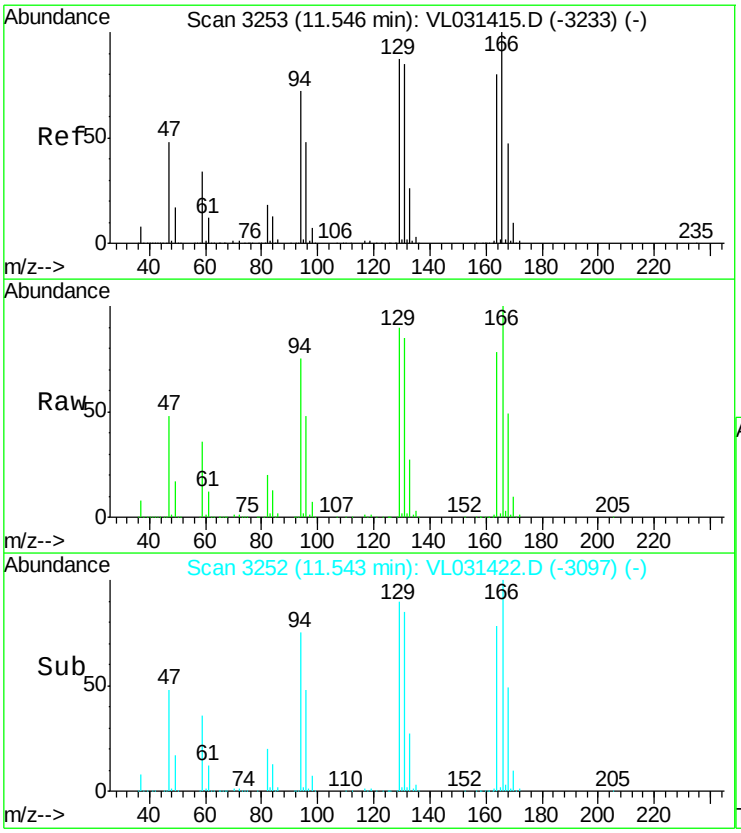
#51
2-Hexanone
Concen: 9.34 ppbv
RT: 10.44 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 43 Resp: 2276999

Ion	Ratio	Lower	Upper
43	100		
58	44.8	36.2	54.4
98	0.3	0.1	0.1#

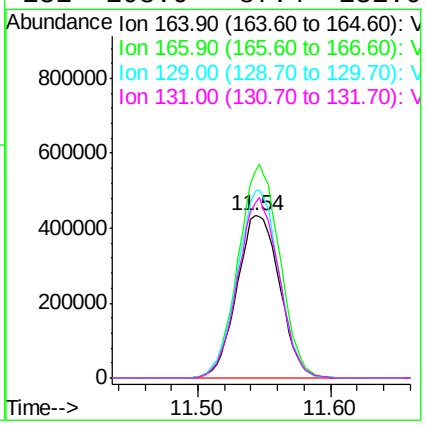


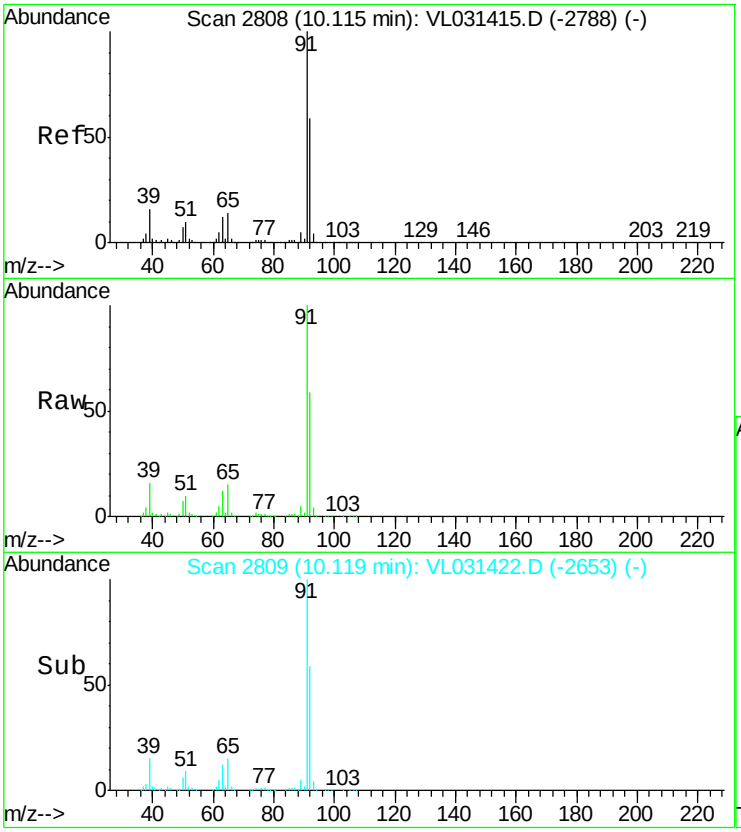


#52
Tetrachloroethene
Concen: 9.69 ppbv
RT: 11.54 min Scan# 3252
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion:164 Resp: 971110

Ion	Ratio	Lower	Upper
164	100		
166	128.0	100.2	150.2
129	115.2	91.4	137.0
131	108.0	87.4	131.0



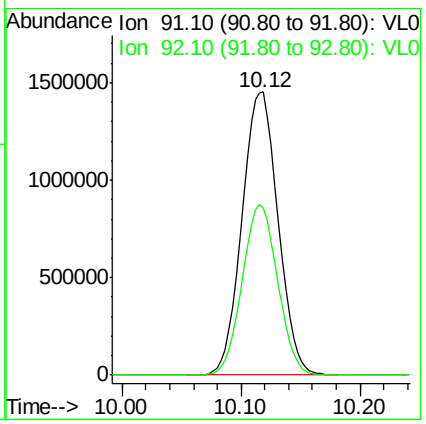


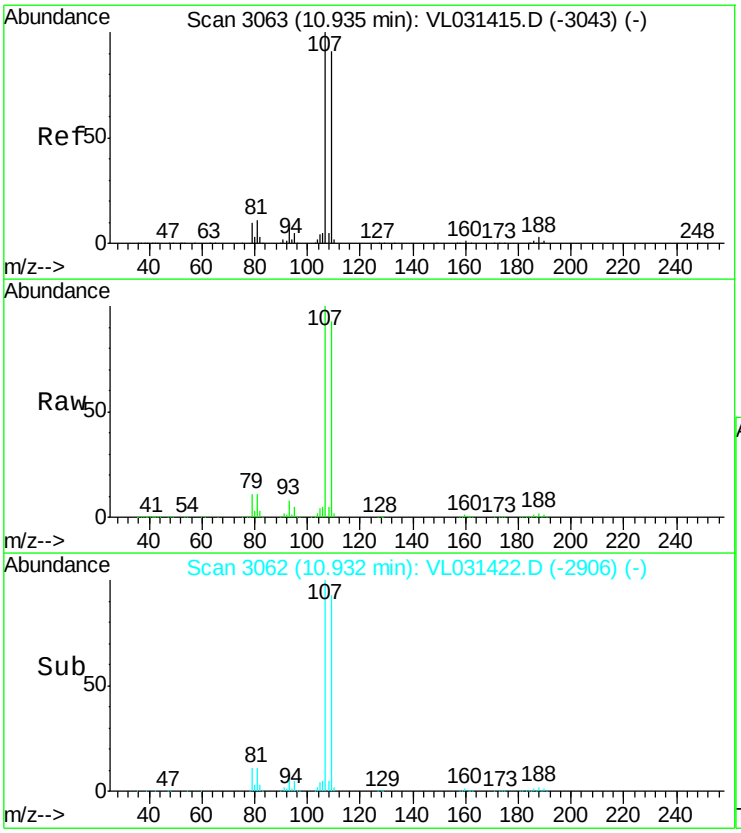
#53
Toluene
Concen: 9.68 ppbv
RT: 10.12 min Scan# 2809
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 91 Resp: 3049041

Ion	Ratio	Lower	Upper
91	100		
92	59.2	47.8	71.6

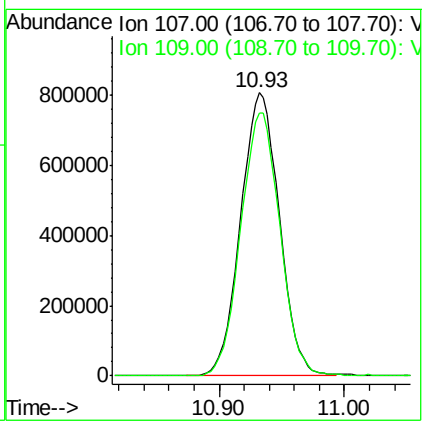


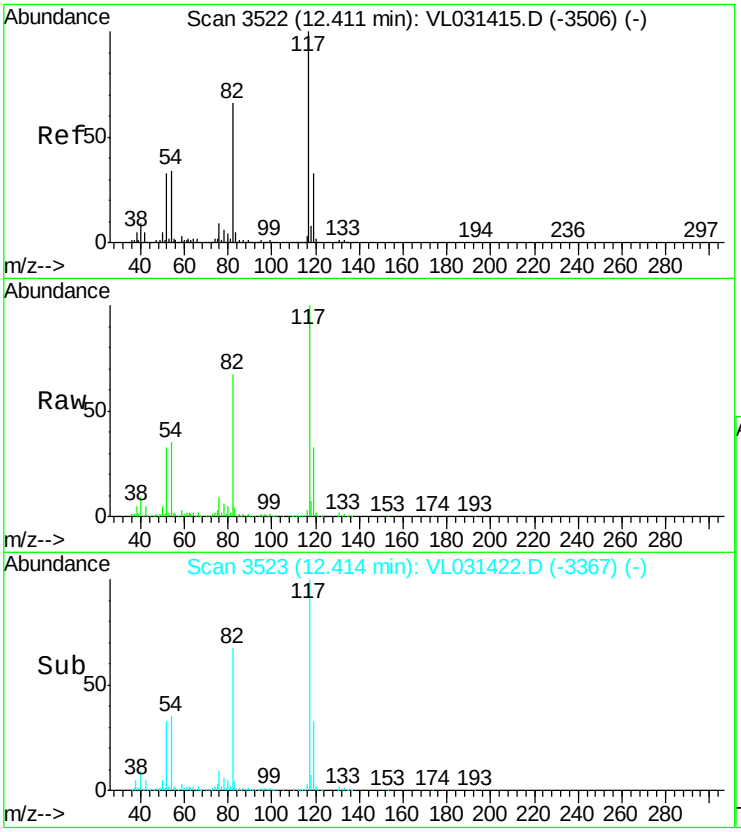


#54
1,2-Dibromoethane
Concen: 9.45 ppbv
RT: 10.93 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion:107 Resp: 1729974

Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.5	113.3



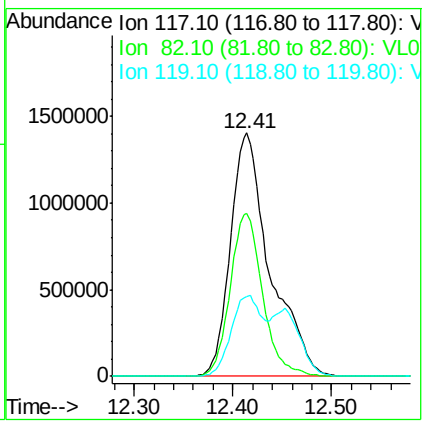


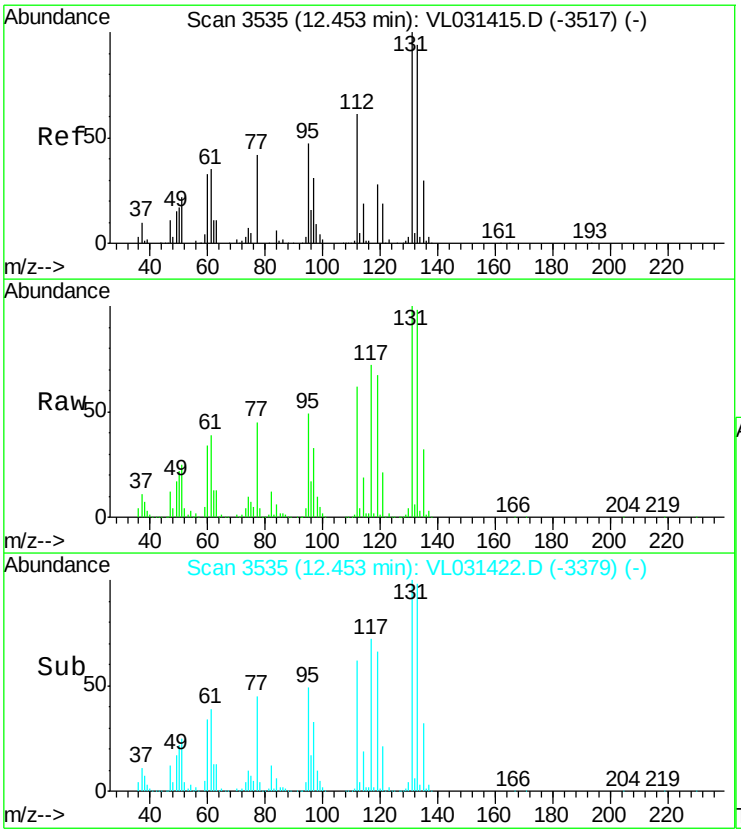
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3523
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion:117 Resp: 3917955

Ion	Ratio	Lower	Upper
117	100		
82	55.1	51.8	77.6
119	27.5	24.2	36.2

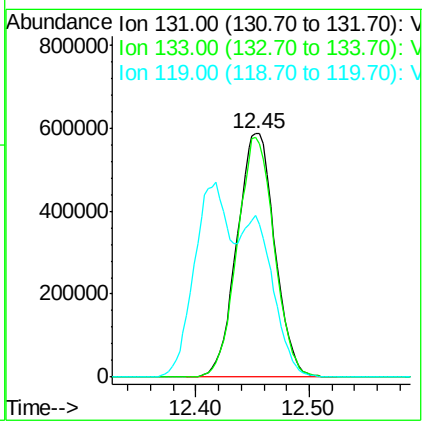


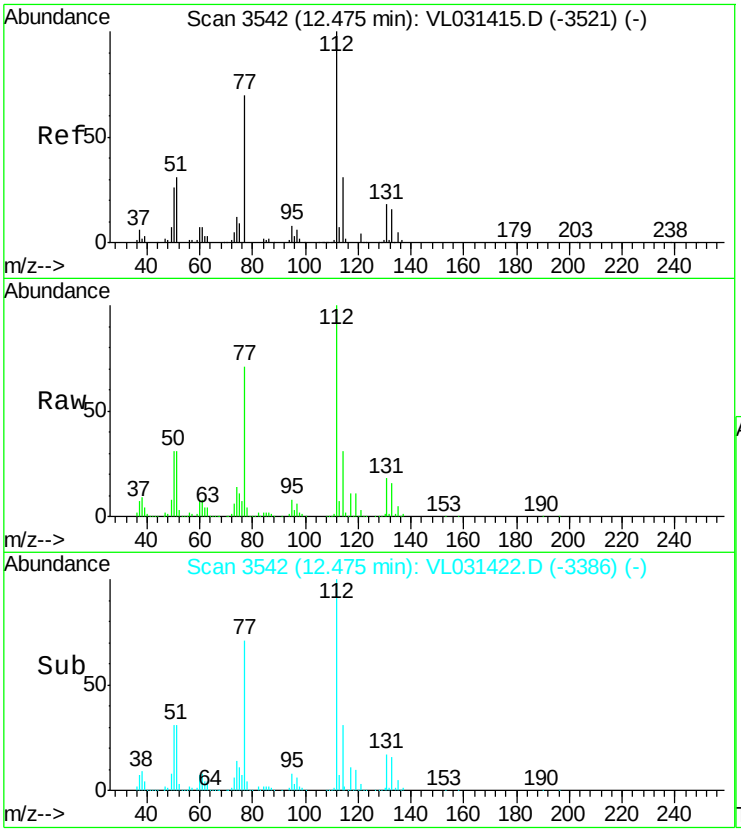


#56
1,1,1,2-Tetrachloroethane
Concen: 7.33 ppbv
RT: 12.45 min Scan# 3535
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion:131 Resp: 1363559

Ion	Ratio	Lower	Upper
131	100		
133	96.2	76.9	115.3
119	133.8	47.7	71.5#



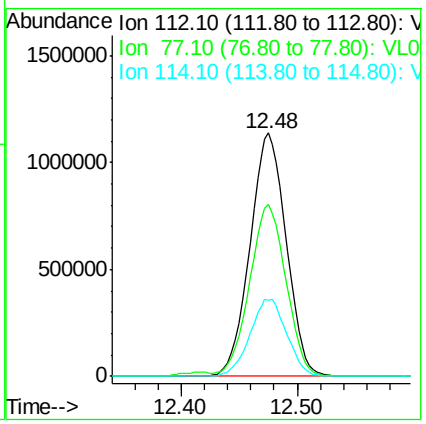


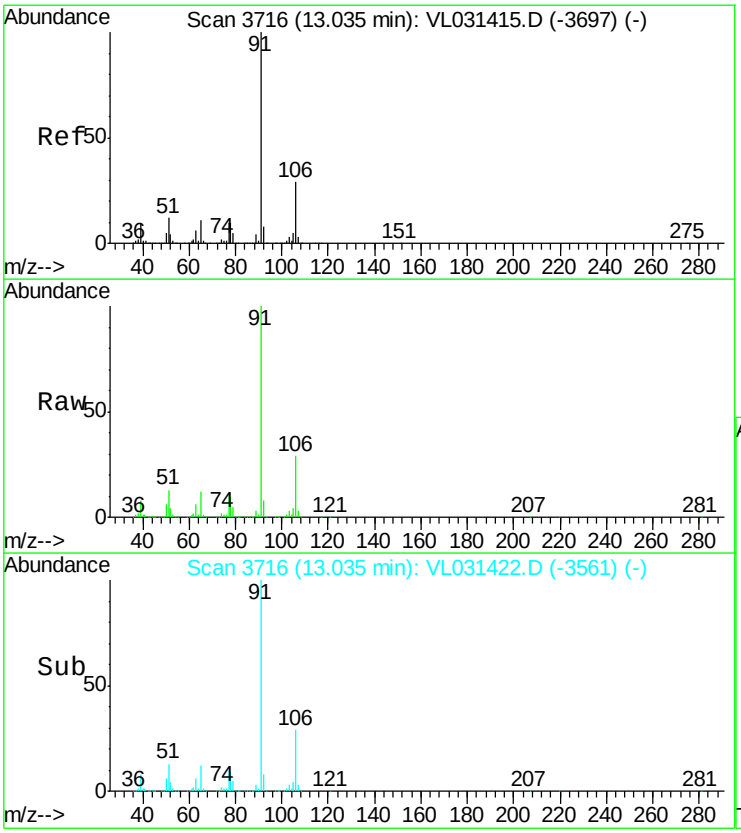
#57
Chlorobenzene
Concen: 7.28 ppbv
RT: 12.48 min Scan# 3542
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion:112 Resp: 2467809

Ion	Ratio	Lower	Upper
112	100		
77	70.4	56.0	84.0
114	31.2	29.1	35.5

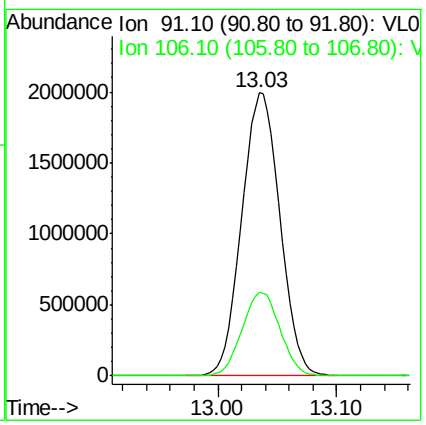


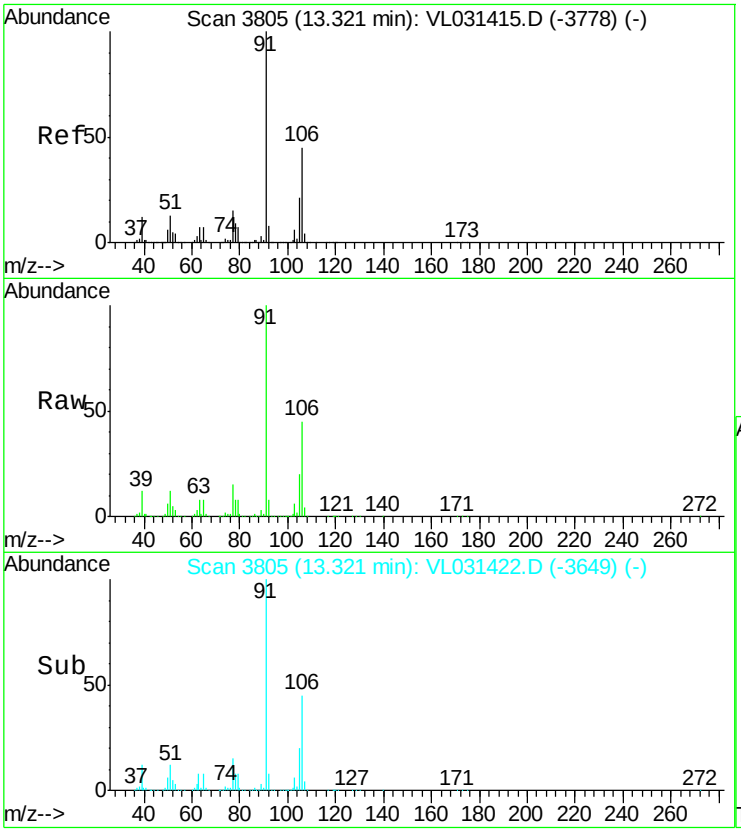


#58
Ethyl Benzene
Concen: 7.73 ppbv
RT: 13.03 min Scan# 3716
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 91 Resp: 4434837

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.8	35.6



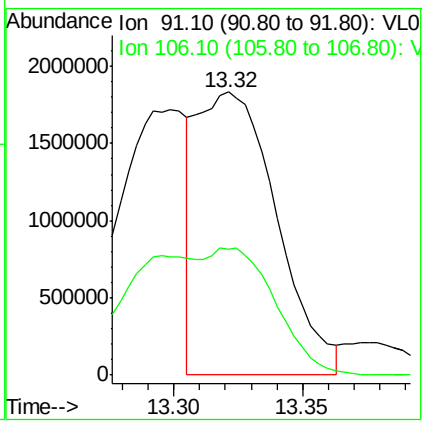


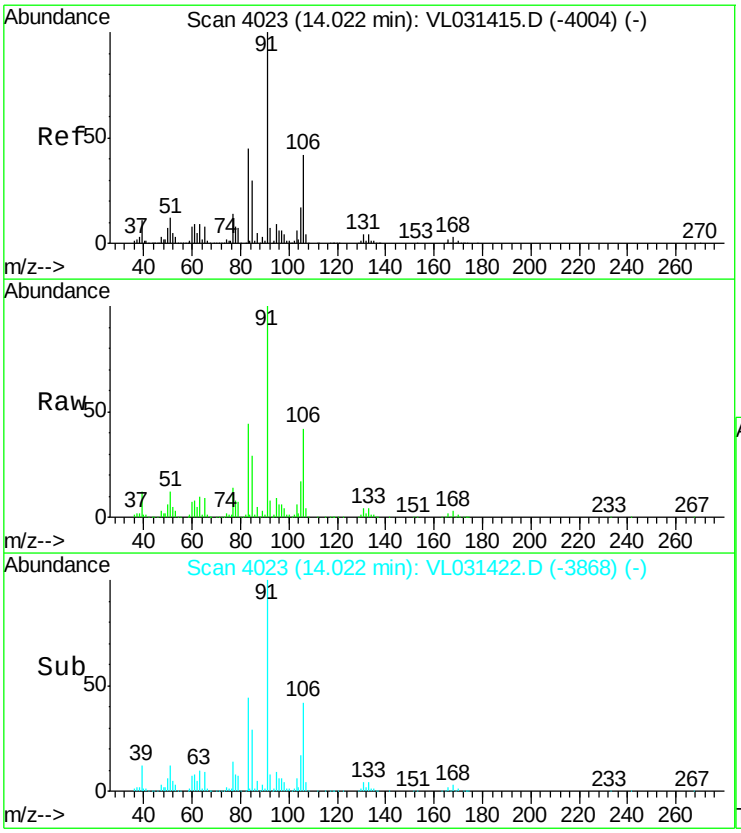
#59
m/p-Xylene
Concen: 7.99 ppbv
RT: 13.32 min Scan# 3805
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 91 Resp: 3925014

Ion	Ratio	Lower	Upper
91	100		
106	81.0	35.6	53.4#

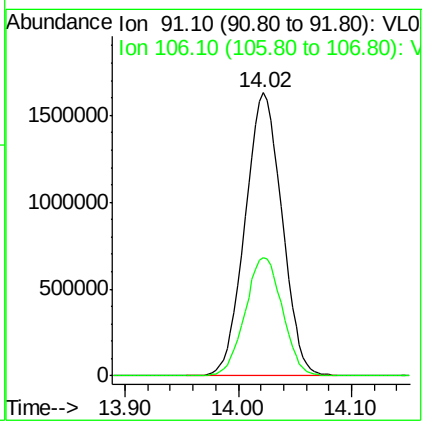


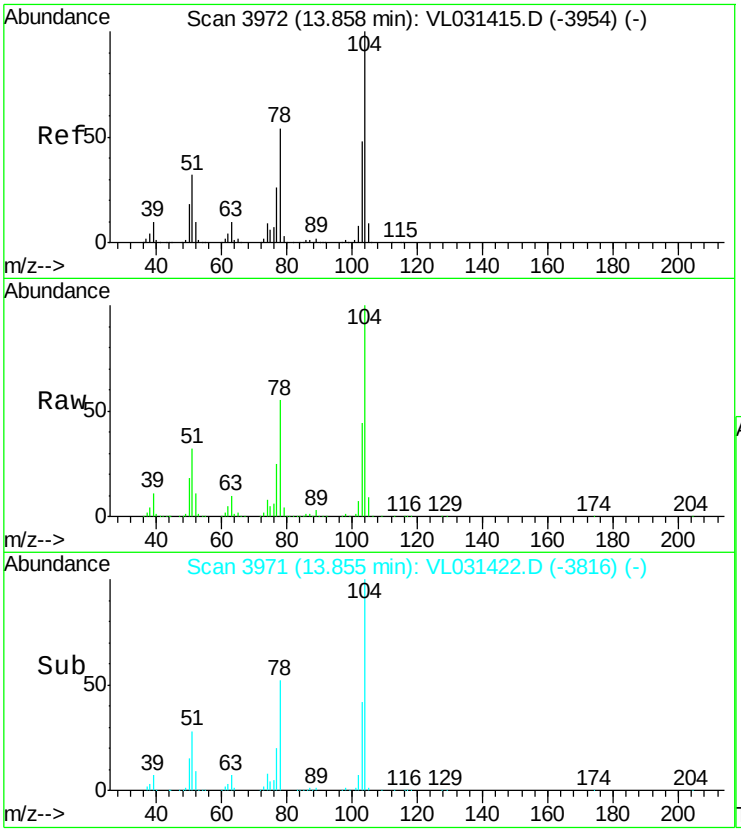


#60
o-Xylene
Concen: 7.51 ppbv
RT: 14.02 min Scan# 4023
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 91 Resp: 3691986

Ion	Ratio	Lower	Upper
91	100		
106	42.3	21.3	64.0



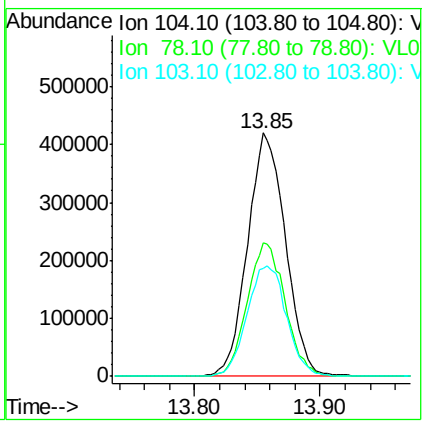


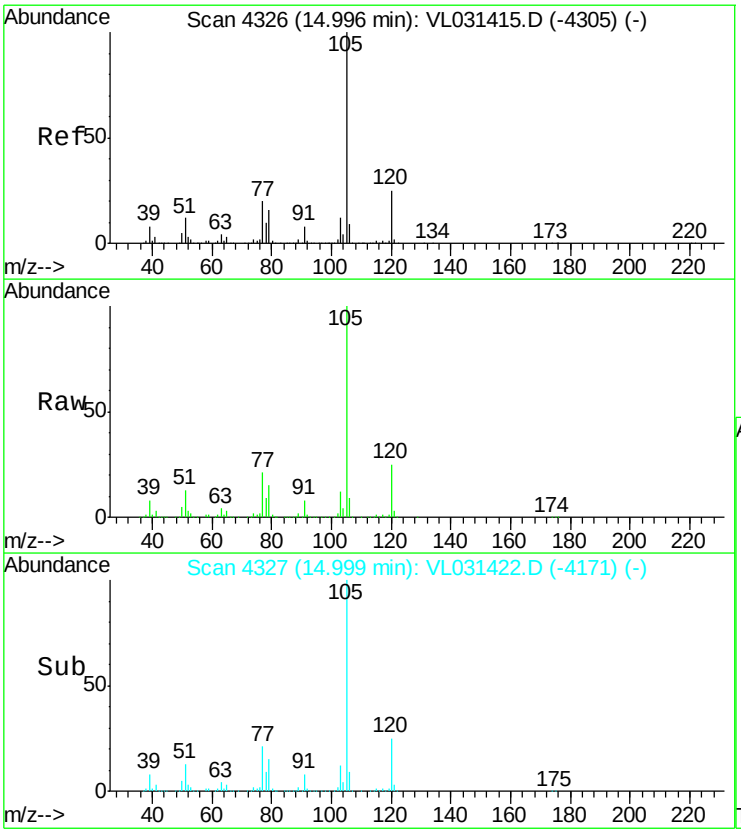
#61
Styrene
Concen: 8.25 ppbv
RT: 13.85 min Scan# 3971
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion:104 Resp: 880941

Ion	Ratio	Lower	Upper
104	100		
78	55.0	45.4	68.0
103	47.4	38.6	57.8

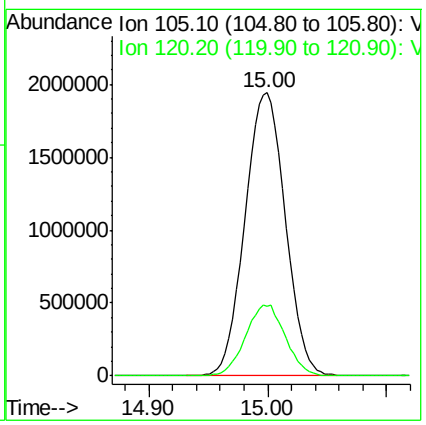


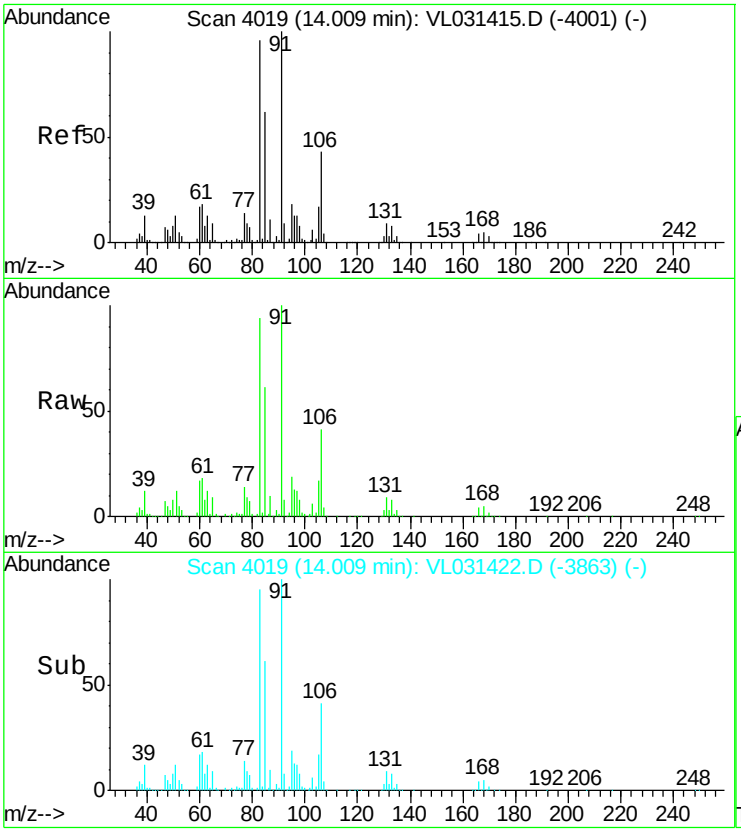


#62
Isopropylbenzene
Concen: 7.39 ppbv
RT: 15.00 min Scan# 4327
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion:105 Resp: 4557459

Ion	Ratio	Lower	Upper
105	100		
120	24.8	19.9	29.9



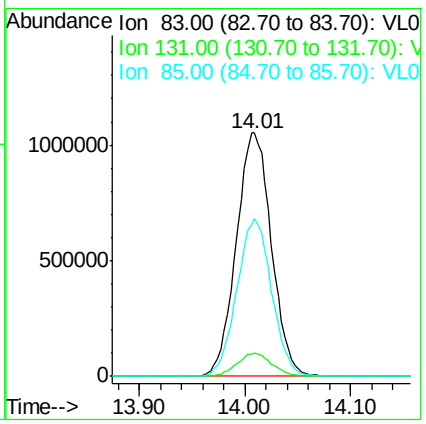


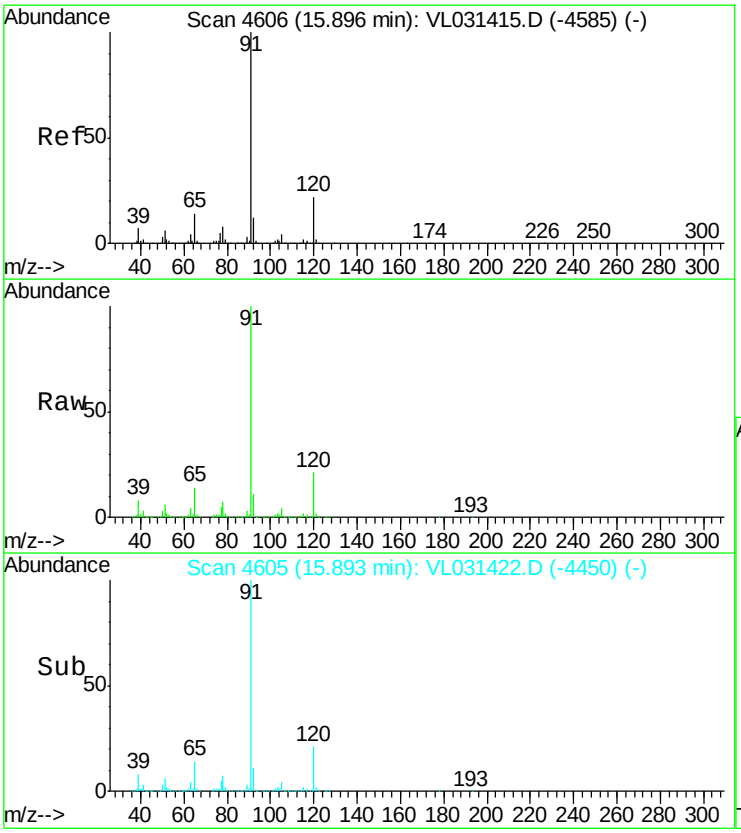
#63
1,1,2,2-Tetrachloroethane
Concen: 7.20 ppbv
RT: 14.01 min Scan# 4019
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 83 Resp: 2436765

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.3
85	64.2	32.4	97.0

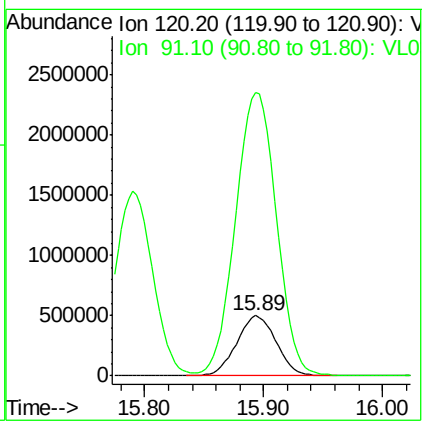


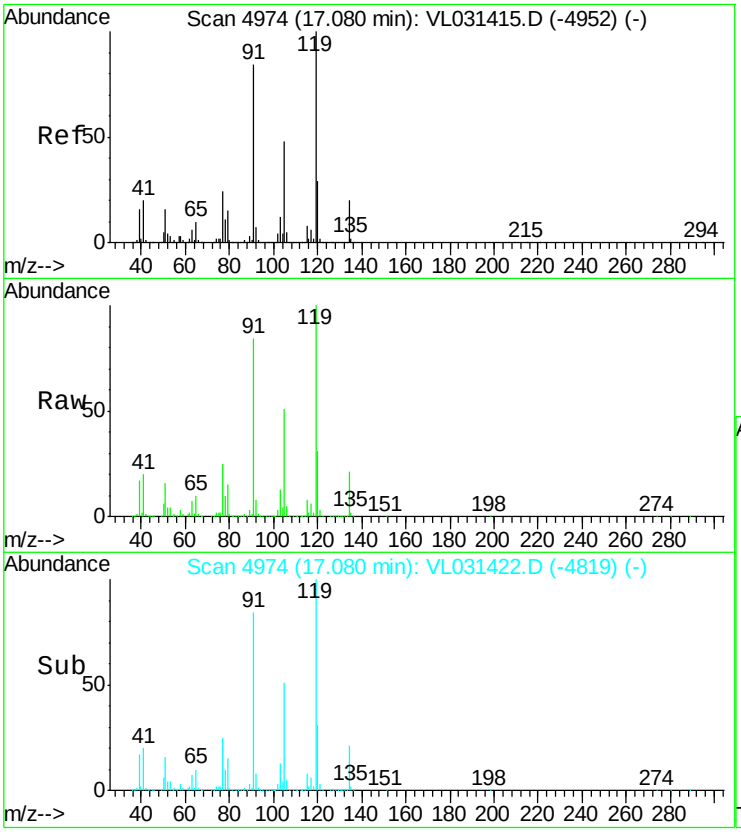


#64
n-propylbenzene
Concen: 7.52 ppbv
RT: 15.89 min Scan# 4605
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion:120 Resp: 1150349

Ion	Ratio	Lower	Upper
120	100		
91	488.5	389.8	584.6



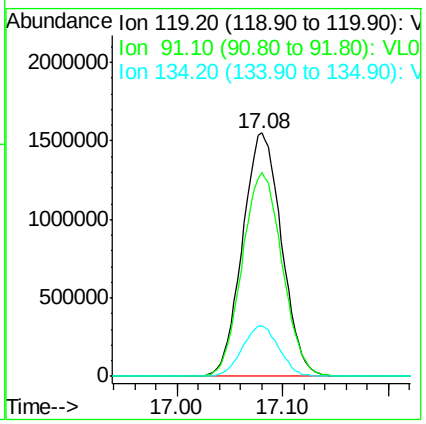


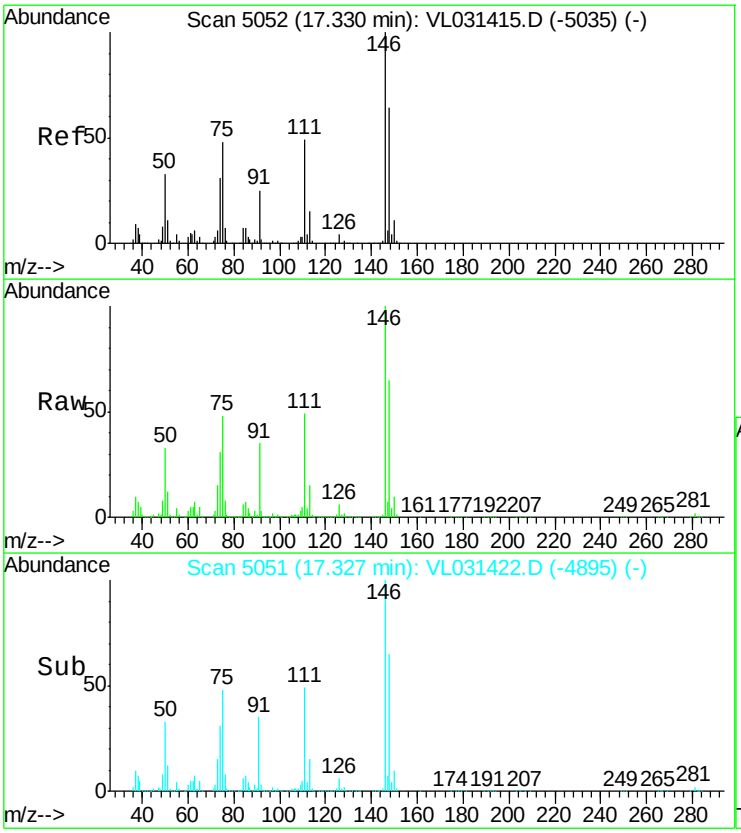
#65
tert-Butylbenzene
Concen: 7.35 ppbv
RT: 17.08 min Scan# 4974
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:119 Resp: 3999556

Ion	Ratio	Lower	Upper
119	100		
91	85.8	69.0	103.6
134	19.6	15.7	23.5

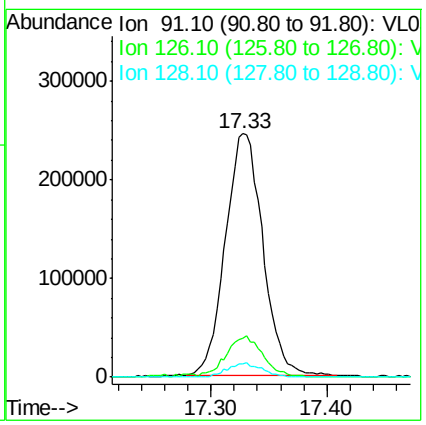


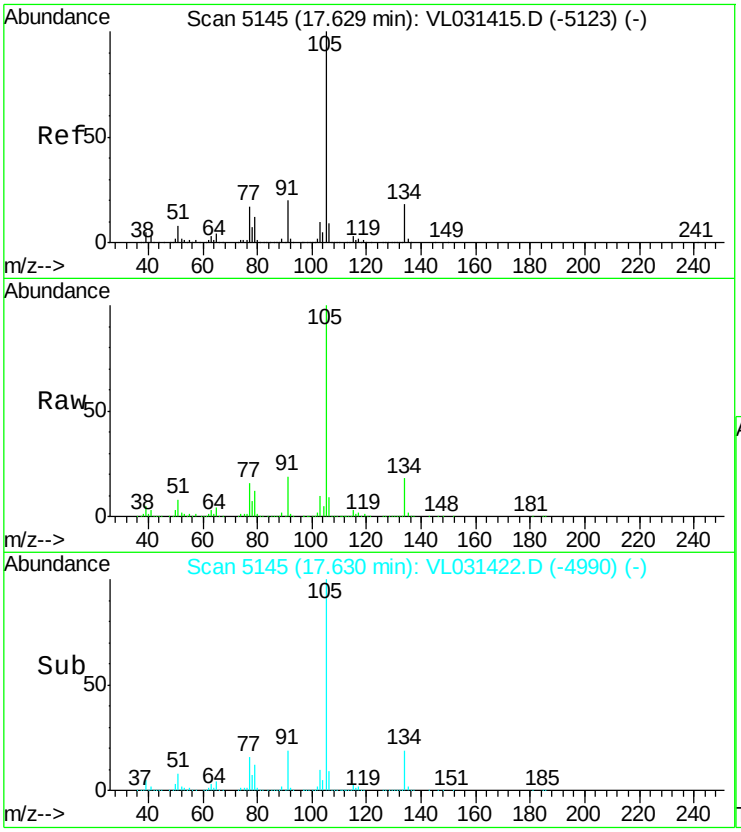


#66
Benzyl Chloride
Concen: 10.08 ppbv
RT: 17.33 min Scan# 5051
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 91 Resp: 547998

Ion	Ratio	Lower	Upper
91	100		
126	17.4	13.8	20.8
128	5.6	4.6	6.8



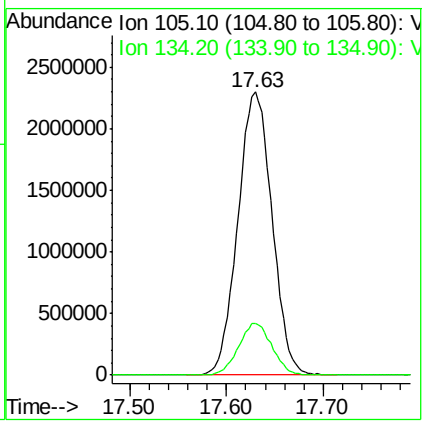


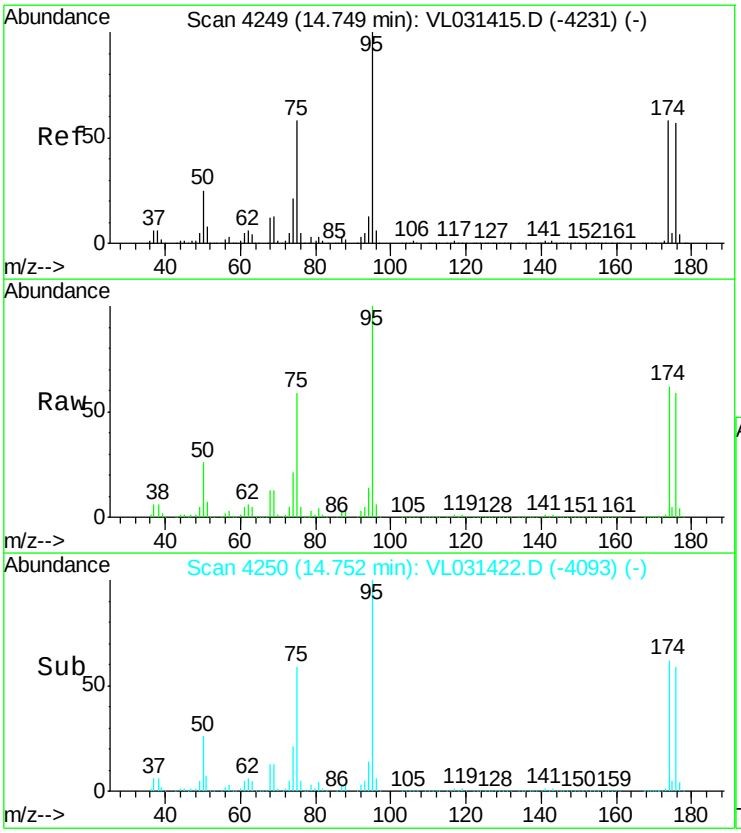
#67
sec-Butylbenzene
Concen: 7.41 ppbv
RT: 17.63 min Scan# 5145
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:105 Resp: 5632684

Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.5	21.7

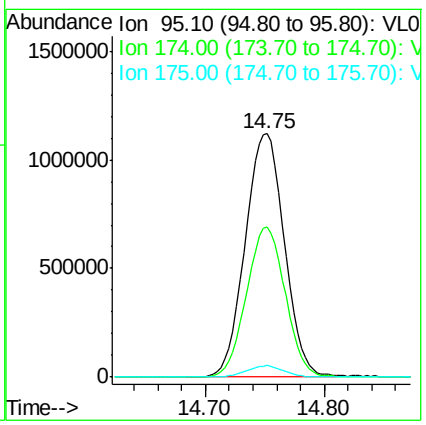


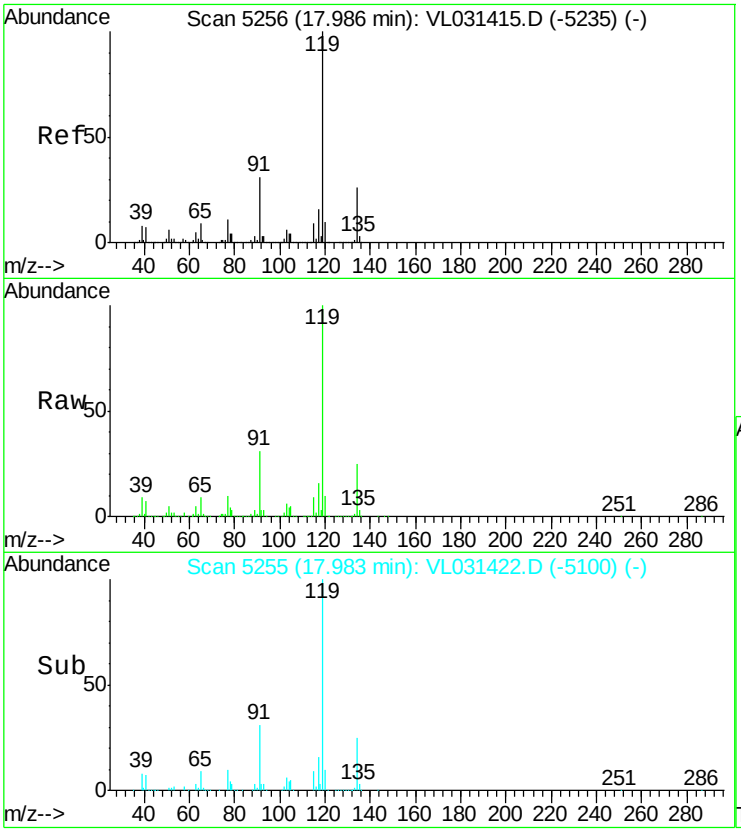


#68
1-Bromo-4-Fluorobenzene
Concen: 8.15 ppbv
RT: 14.75 min Scan# 4250
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 95 Resp: 2558232

Ion	Ratio	Lower	Upper
95	100		
174	61.5	48.2	72.4
175	4.5	3.6	5.4



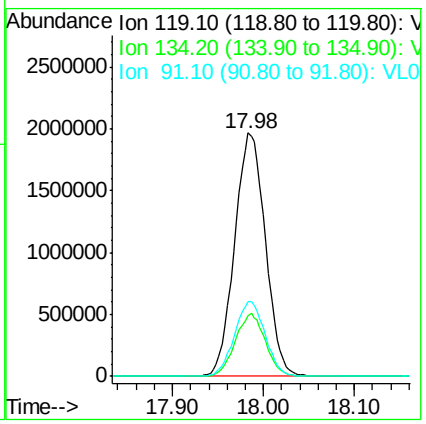


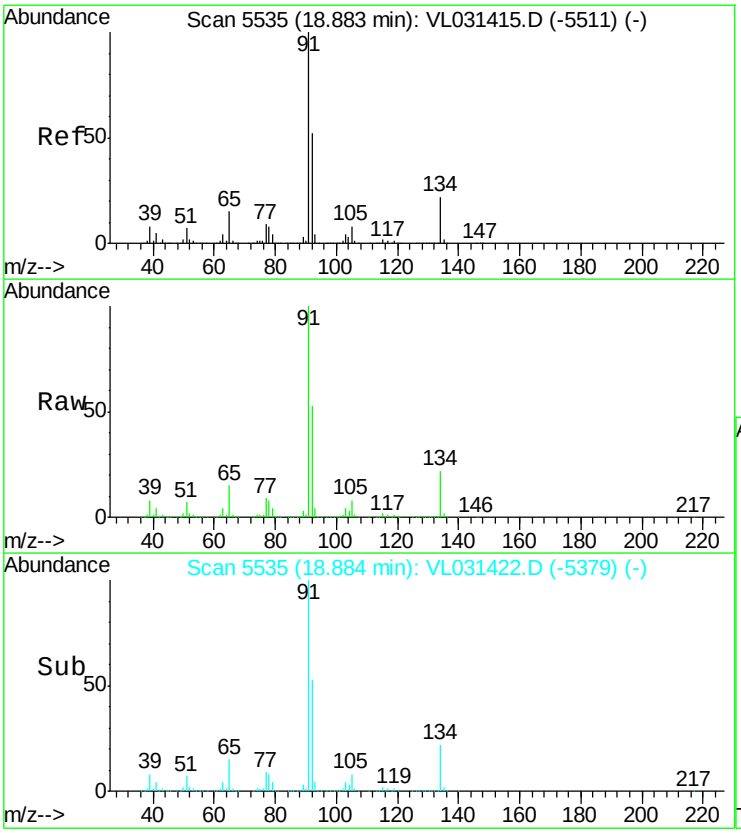
#69
p-Isopropyltoluene
Concen: 7.54 ppbv
RT: 17.98 min Scan# 5255
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:119 Resp: 4607474

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.4
91	30.9	25.0	37.4

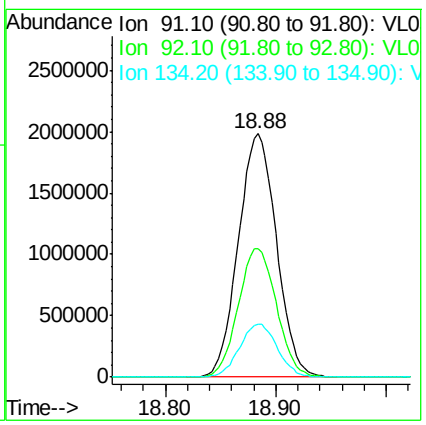


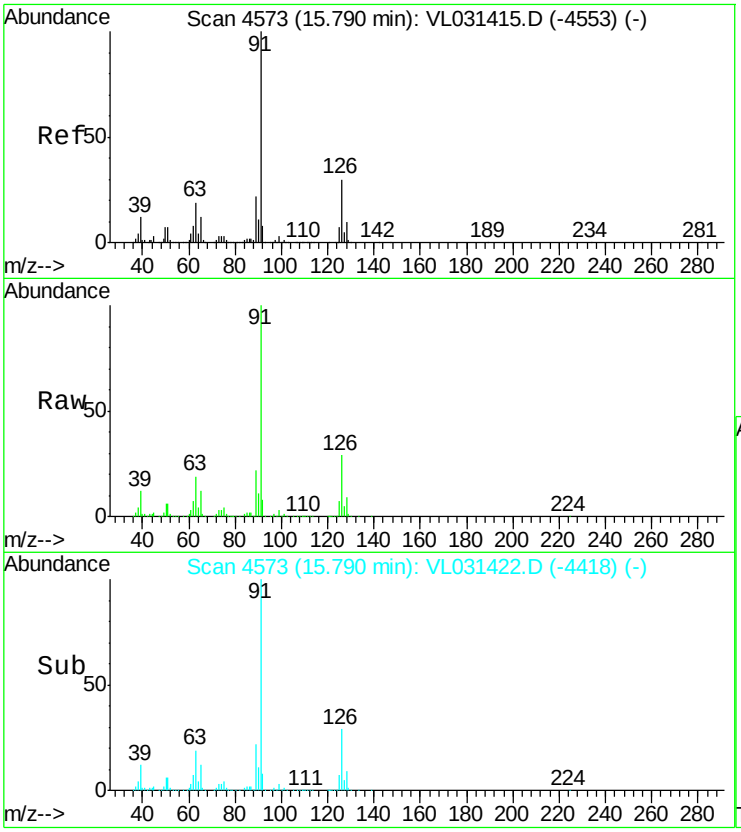


#70
n-Butylbenzene
Concen: 7.48 ppbv
RT: 18.88 min Scan# 5535
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion: 91 Resp: 4747130

Ion	Ratio	Lower	Upper
91	100		
92	53.0	42.2	63.4
134	21.7	17.4	26.2



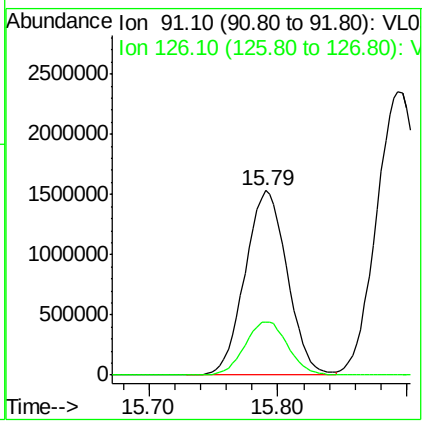


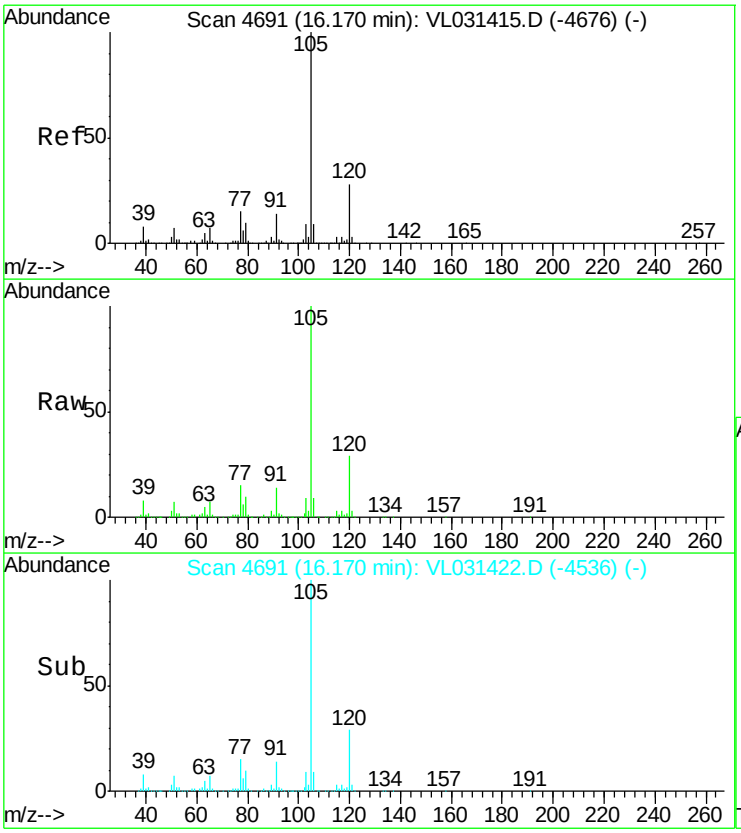
#71
2-Chlorotoluene
Concen: 7.50 ppbv
RT: 15.79 min Scan# 4573
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 91 Resp: 3490467

Ion	Ratio	Lower	Upper
91	100		
126	29.4	11.7	46.9

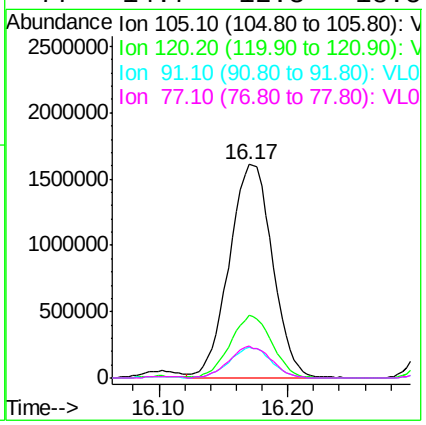


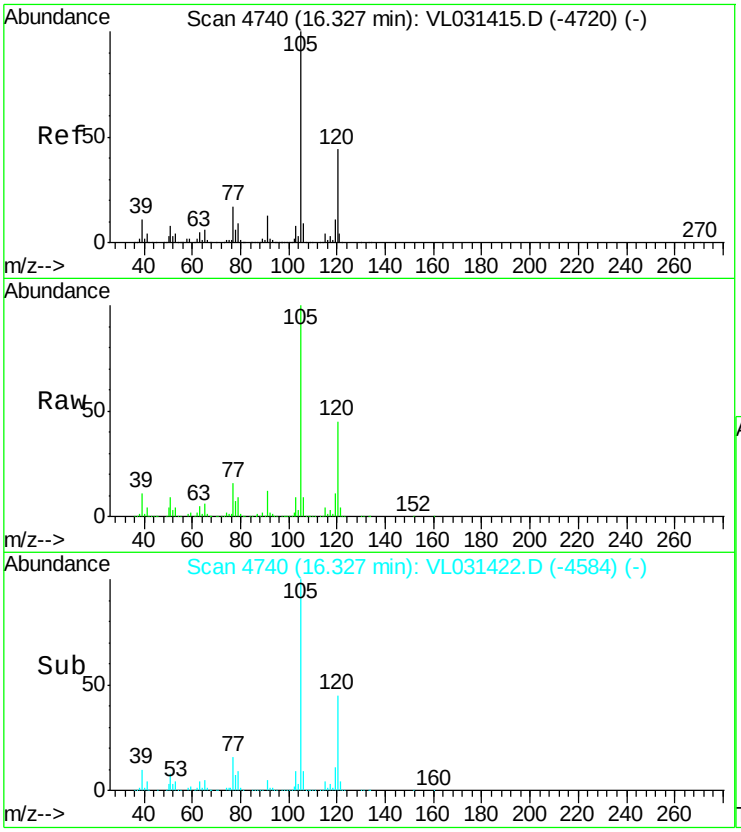


#72
4-Ethyltoluene
Concen: 7.53 ppbv
RT: 16.17 min Scan# 4691
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion:105 Resp: 3742746

Ion	Ratio	Lower	Upper
105	100		
120	28.6	23.0	34.6
91	14.0	11.0	16.4
77	14.7	12.3	18.5



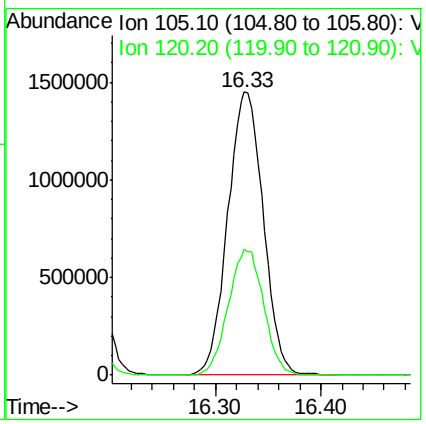


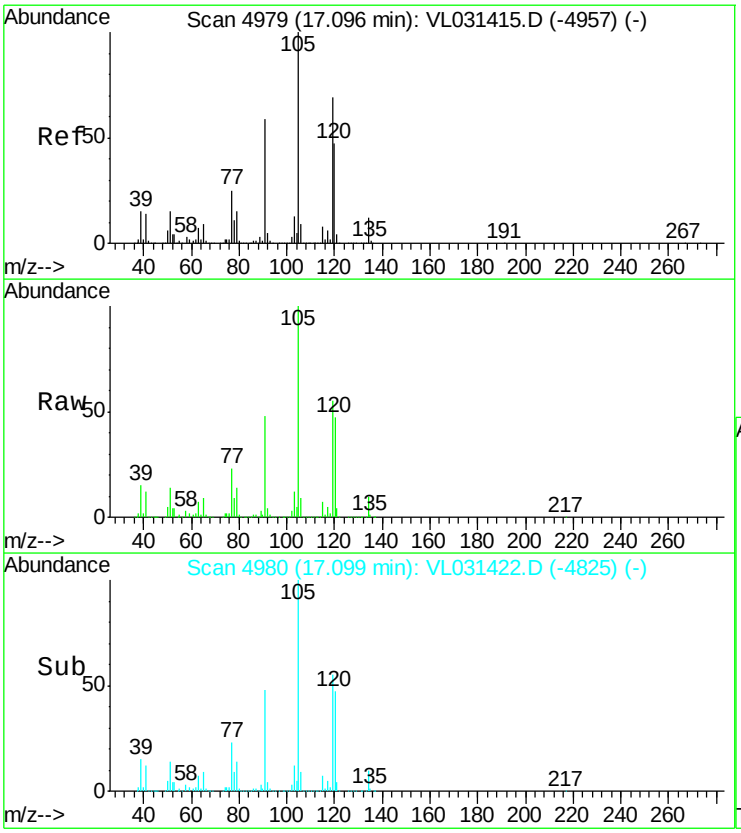
#73
1,3,5-Trimethylbenzene
Concen: 7.44 ppbv
RT: 16.33 min Scan# 4740
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:105 Resp: 3362996

Ion	Ratio	Lower	Upper
105	100		
120	44.7	35.8	53.6

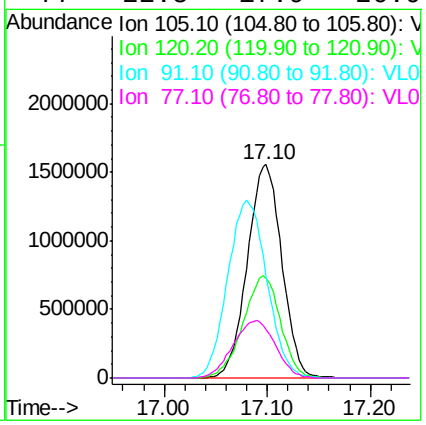


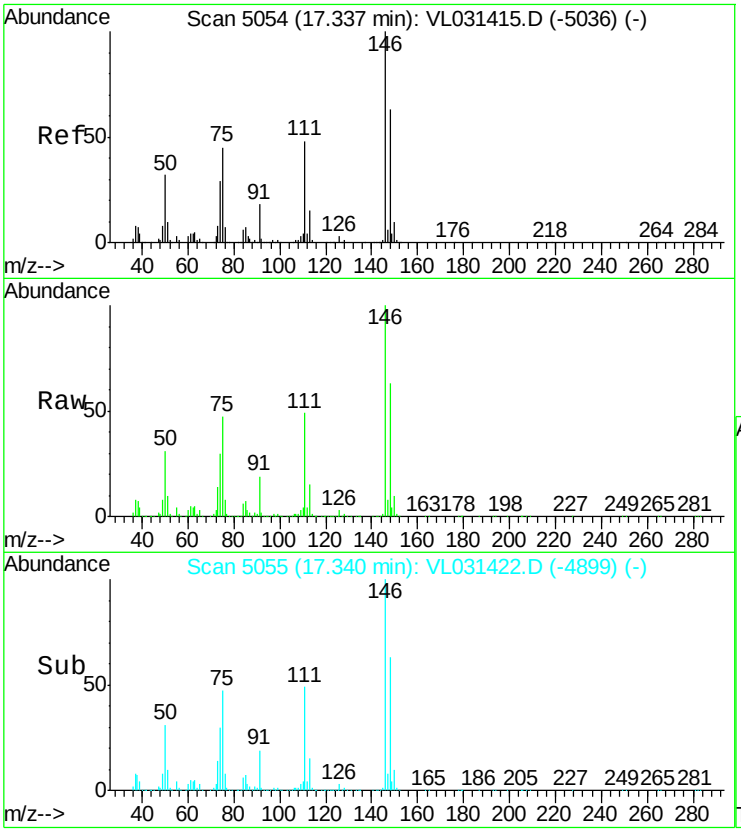


#74
1,2,4-Trimethylbenzene
Concen: 7.21 ppbv
RT: 17.10 min Scan# 4980
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion:105 Resp: 3608844

Ion	Ratio	Lower	Upper
105	100		
120	46.5	37.0	55.6
91	47.9	35.1	52.7
77	22.5	17.9	26.9



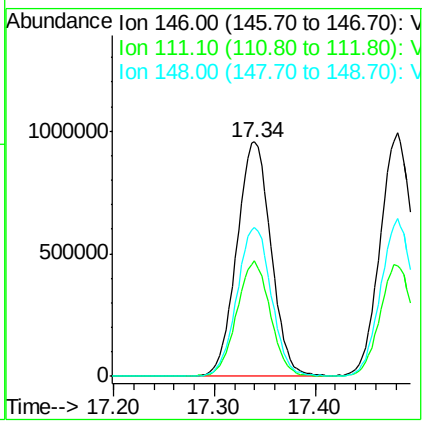


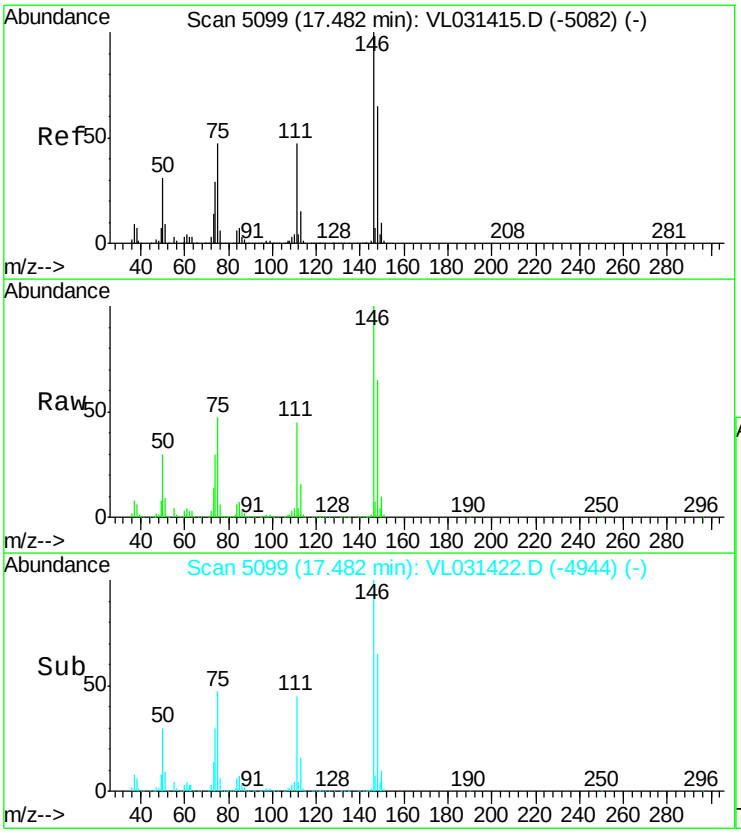
#75
1,3-Dichlorobenzene
Concen: 7.25 ppbv
RT: 17.34 min Scan# 5055
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:146 Resp: 2253519

Ion	Ratio	Lower	Upper
146	100		
111	48.4	24.2	72.6
148	63.8	32.1	96.3

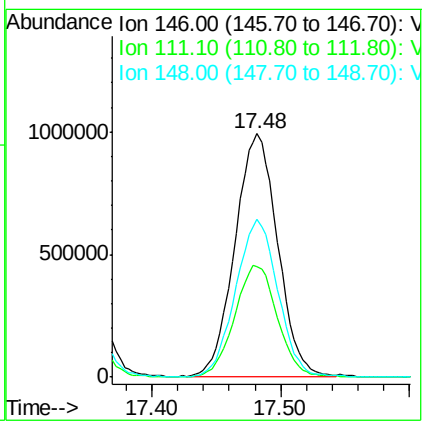


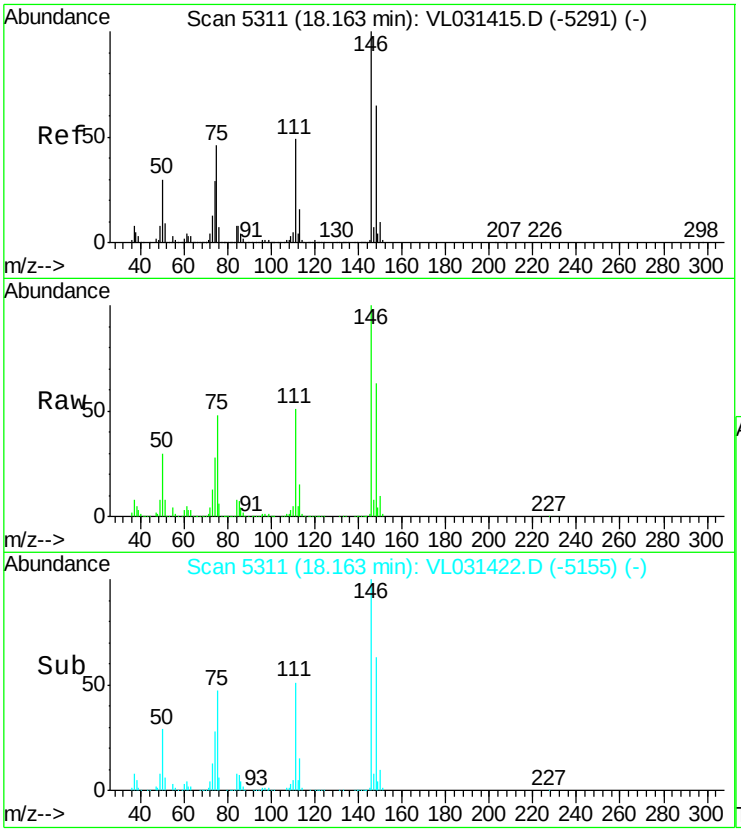


#76
1,4-Dichlorobenzene
Concen: 7.44 ppbv
RT: 17.48 min Scan# 5099
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion:146 Resp: 2265637

Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.3	69.9
148	64.8	32.4	97.2



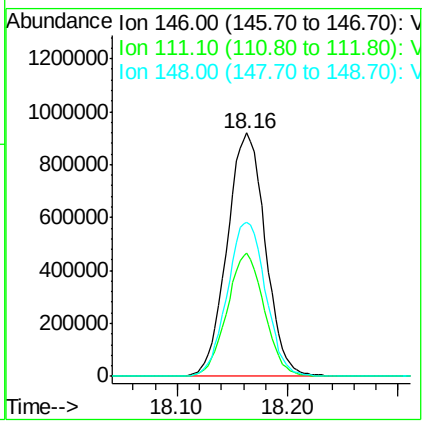


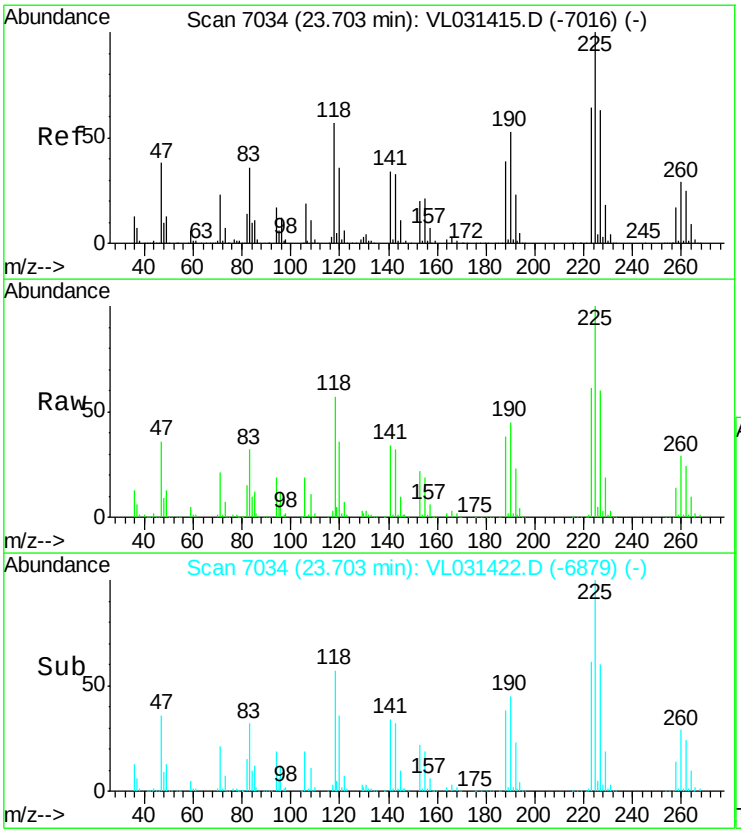
#77
1,2-Dichlorobenzene
Concen: 7.28 ppbv
RT: 18.16 min Scan# 5311
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:146 Resp: 2192387

Ion	Ratio	Lower	Upper
146	100		
111	49.7	24.6	74.0
148	64.3	32.3	96.8

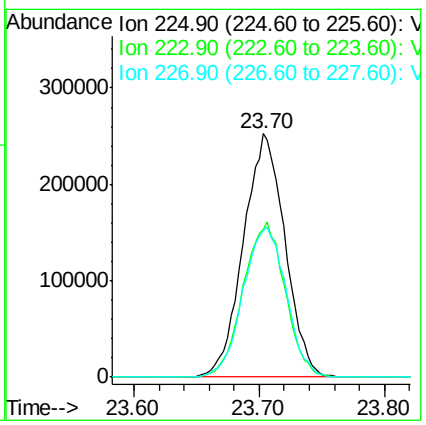


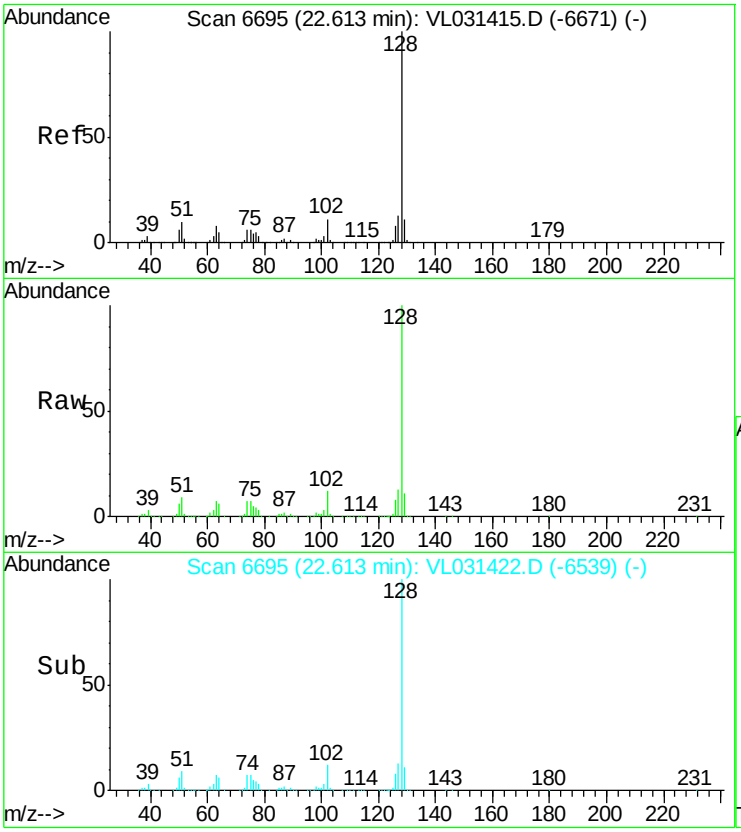


#78
Hexachloro-1,3-Butadiene
Concen: 5.47 ppbv
RT: 23.70 min Scan# 7034
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion:225 Resp: 579807

Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.3	76.9
227	63.8	50.7	76.1



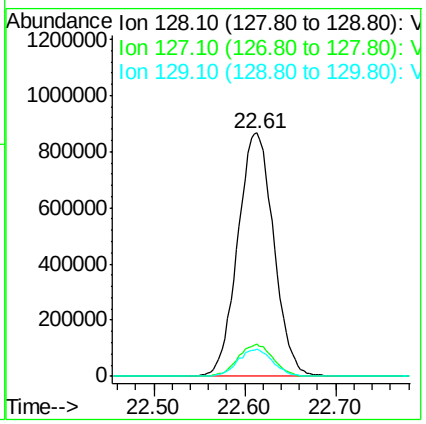


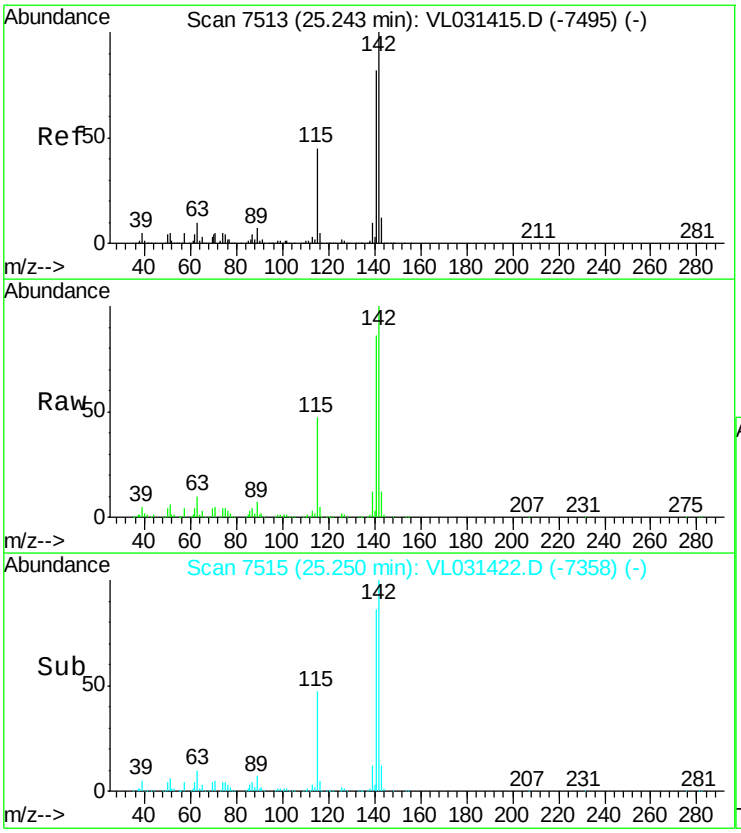
#79
Naphthalene
Concen: 7.71 ppbv
RT: 22.61 min Scan# 6695
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:128 Resp: 2377268

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.1	9.2	13.8

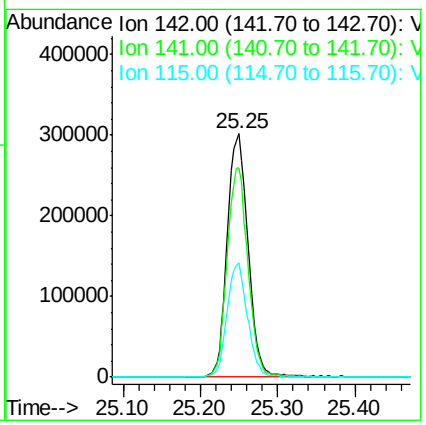


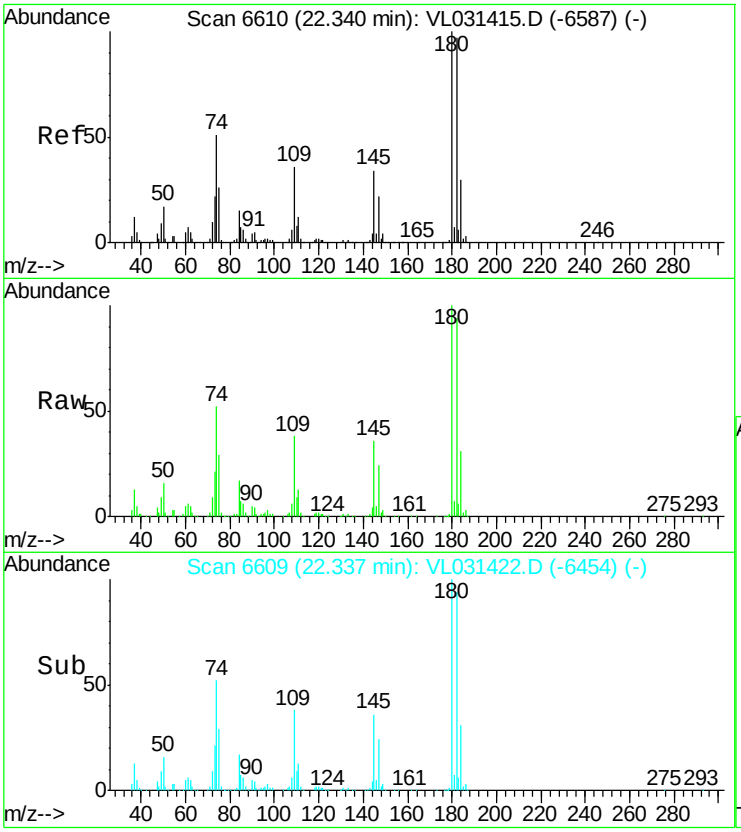


#80
Naphthalene,2-methyl-
Concen: 6.50 ppbv
RT: 25.25 min Scan# 7515
Delta R.T. 0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Tgt Ion:142 Resp: 558779

Ion	Ratio	Lower	Upper
142	100		
141	85.9	68.7	103.1
115	45.9	36.3	54.5





#81
1,2,4-Trichlorobenzene
Concen: 6.80 ppbv
RT: 22.34 min Scan# 6609
Delta R.T. -0.00 min
Lab File: VL031422.D
Acq: 22 Jan 2018 18:33

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:180 Resp: 1119643

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.4
184	30.5	24.2	36.4