Data Path : W:\HPCHEM1\MSVOA_L\Data\VL012218\

Quantitation Report (Not Reviewed)

Data File : VL031440.D
Acq On : 23 Jan 2018 10:21
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Jan 23 10:51:06 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	1275971	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	2795947	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3578603	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.75	95	2376166	8.29	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.18	85	1670447	9.25	ppbv	99
3) Chlorodifluoromethane	3.11	51	1506868	8.93	ppbv	98
4) Chloromethane	3.27	50	700172	9.29	ppbv	99
5) Vinyl Chloride	3.40	62	719561	9.94	ppbv	99
6) Bromomethane	3.63	94	510783	9.61	ppbv	97
7) Chloroethane	3.71	64	297490	9.62	ppbv	98
8) Dichlorotetrafluoroethane	3.32	85	1870317	9.29	ppbv	100
9) Propene	3.13	41	557588	9.43	ppbv	98
10) Heptane	8.41	43	1744368	9.48	ppbv	100
11) Trichlorofluoromethane	4.13	101	2274561	9.34	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.68	101	1431209	9.38	ppbv	99
13) Ethanol	3.76	45	117361	6.60	ppbv	98
14) Bromoethene	3.91	108	594800	9.75	ppbv	99
15) Acetone	4.02	43	1475956	8.69	ppbv	99
16) 1,3-Butadiene	3.47	39	703110	9.86	ppbv	95
17) tert-Butyl alcohol	4.48	59	787039	9.52	ppbv	100
18) 1,1-Dichloroethene	4.48	96	631819	9.61	ppbv	98
19) Isopropyl Alcohol	4.14	45	955627	9.01	ppbv	99
20) Methylene Chloride	4.54	84	572845	8.69	ppbv	96
21) Allyl Chloride	4.61	41	1010563	9.91	ppbv	99
22) trans-1,2-Dichloroethene	5.10	96	662345	9.60	ppbv	98
23) Vinyl Acetate	5.29	43	2053779	10.00	ppbv	99
24) 1,1-Dichloroethane	5.23	63	1700755	9.49	ppbv	99
25) Ethyl Acetate	5.91	43	2893238	9.56	ppbv	100
26) Hexane	5.93	57	1277055	9.48	ppbv	99
27) Carbon Disulfide	4.75	76	1805015	10.19	ppbv	100
28) Methyl tert-Butyl Ether	5.25	73	1589487	9.95	ppbv	100
29) Chloroform	6.00	83	2109185	9.08	ppbv	100
30) Cyclohexane	7.41	84	1005336	9.76	ppbv	99
31) cis-1,2-Dichloroethene	5.79	61	1260637	9.90	ppbv	95
32) 1,1,1-Trichloroethane	6.77	97	2168583	9.58	ppbv	99
34) 2-Butanone	5.47	43	1872882	10.59	ppbv	99
35) Carbon Tetrachloride	7.29	117	2373142	10.48	ppbv	98
36) Benzene	7.16	78	2455106	9.87	ppbv	100
37) 1,2-Dichloroethane	6.57	62	1899189	9.84	ppbv	100
38) Trichloroethene	8.12	130	1033907	10.69	ppbv	99
39) 1,2-Dichloropropane	7.90	63	890759	9.54	ppbv	93
40) 1,4-Dioxane	8.12	88	374352	9.82	ppbv	78
41) Tetrahydrofuran	6.30	42	976037	9.99	ppbv	99
42) Bromodichloromethane	8.08	83	2299680	9.93	ppbv	99
43) Methyl Methacrylate	8.30	69	960859	10.57	ppbv	100

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL012218\

Quantitation Report (Not Reviewed)

Data File : VL031440.D
Acq On : 23 Jan 2018 10:21
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Jan 23 10:51:06 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	4207075	9.92	ppbv		99
45) t-1,3-Dichloropropene	9.58	75	1391818	10.68	ppbv		100
46) cis-1,3-Dichloropropene	9.00	75	1685423	10.54	ppbv		97
47) 1,1,2-Trichloroethane	9.78	97	1057942	9.63	ppbv		99
48) Dibromochloromethane	10.62	129	1923221	9.84	ppbv		99
49) Bromoform	13.38	173	1461828	9.83	ppbv		100
50) 4-Methyl-2-Pentanone	9.03	43	2409116	10.12	ppbv		99
51) 2-Hexanone	10.44	43	2332507	10.27	ppbv	#	99
52) Tetrachloroethene	11.55	164	944549	10.12	ppbv		99
53) Toluene	10.12	91	2989704	10.19	ppbv		99
54) 1,2-Dibromoethane	10.94	107	1662057	9.74	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.46	131	1313470	7.73	ppbv		97
57) Chlorobenzene	12.48	112	2332304	7.53	ppbv		97
58) Ethyl Benzene	13.04	91	4185402	7.98	ppbv		99
59) m/p-Xylene	13.32	91	3575523	7.97	ppbv	#	37
60) o-Xylene	14.02	91	3599731	8.02	ppbv		99
61) Styrene	13.86	104	857316	8.79	ppbv		99
62) Isopropylbenzene	15.00	105	4436973	7.88	ppbv		99
63) 1,1,2,2-Tetrachloroethane	14.01	83	2327742	7.53	ppbv		99
64) n-propylbenzene	15.90	120	1109994	7.94	ppbv		98
65) tert-Butylbenzene	17.08	119	4036554	8.12	ppbv		100
66) Benzyl Chloride	17.33	91	414822	8.36	ppbv		99
67) sec-Butylbenzene	17.63	105	5678839	8.18	ppbv		100
69) p-Isopropyltoluene	17.99	119	4685339	8.40	ppbv		100
70) n-Butylbenzene	18.89	91	4974839	8.58	ppbv		100
71) 2-Chlorotoluene	15.79	91	3381390	7.96	ppbv		100
72) 4-Ethyltoluene	16.17	105	3709353	8.18	ppbv		99
73) 1,3,5-Trimethylbenzene	16.33	105	3354444	8.13	ppbv		100
74) 1,2,4-Trimethylbenzene	17.10	105	3657355	8.00	ppbv		97
75) 1,3-Dichlorobenzene	17.34	146	2282041	8.04	ppbv		100
76) 1,4-Dichlorobenzene	17.48	146	2287360	8.22	ppbv		100
77) 1,2-Dichlorobenzene	18.17	146	2304572	8.38	ppbv		100
78) Hexachloro-1,3-Butadiene	23.71	225	1020393	10.54	ppbv		99
79) Naphthalene	22.61	128	2514963	8.93	ppbv		99
80) Naphthalene,2-methyl-	25.25	142	610110	7.77	ppbv		99
81) 1,2,4-Trichlorobenzene	22.34	180	1276810	8.48	ppbv		99

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

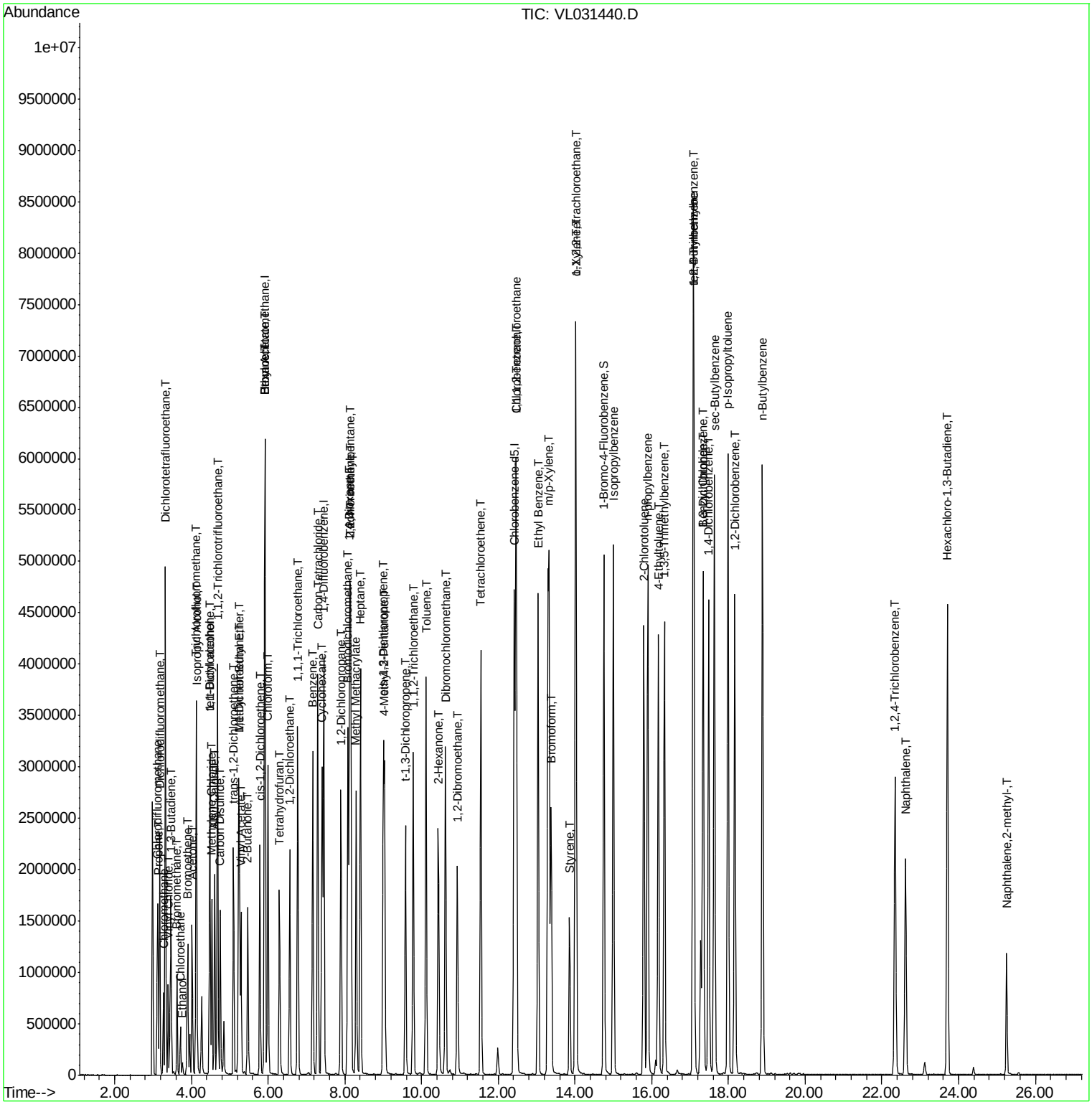
Data Path : W:\HPCHEM1\MSVOA_L\Data\VL012218\

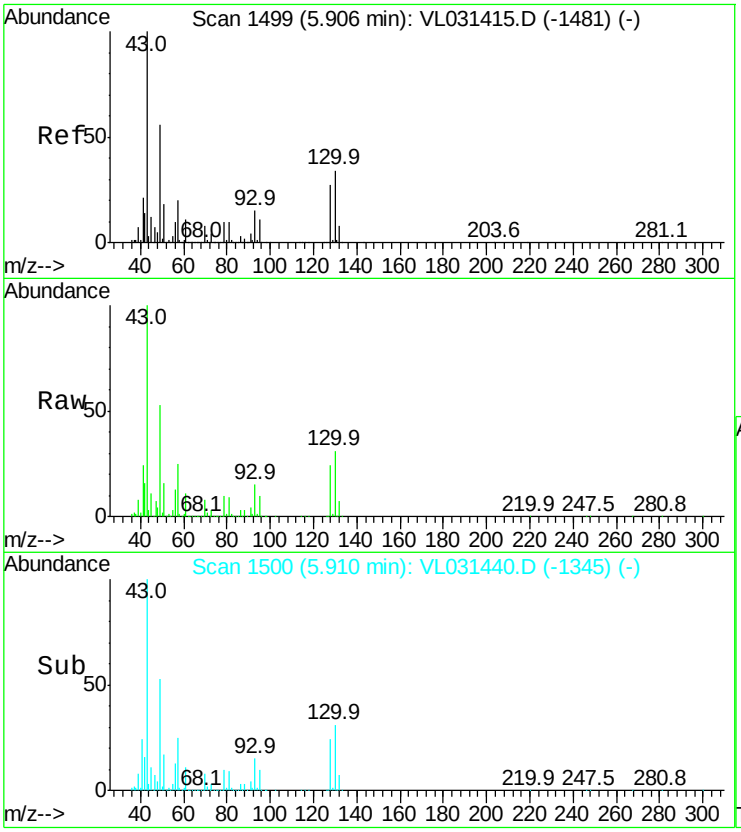
Quantitation Report (Not Reviewed)

Data File : VL031440.D
Acq On : 23 Jan 2018 10:21
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Jan 23 10:51:06 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



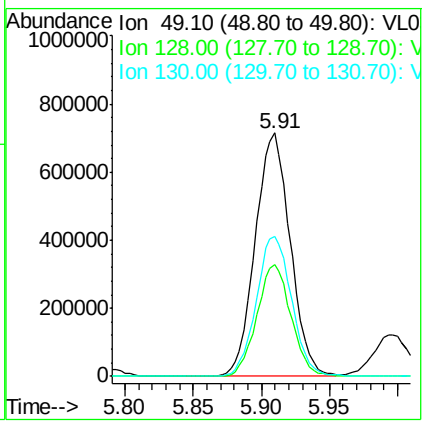


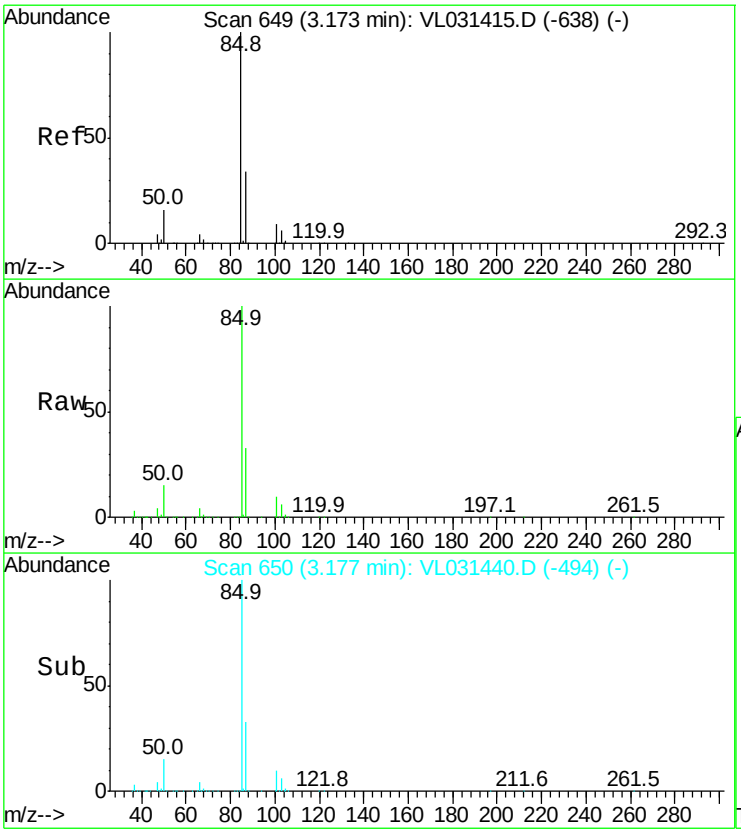
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 1275971

Ion	Ratio	Lower	Upper
49	100		
128	45.1	23.5	70.6
130	58.2	29.9	89.7

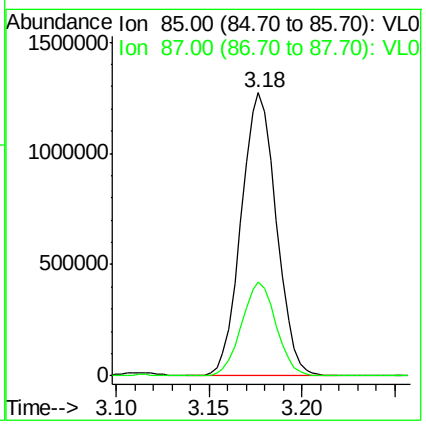


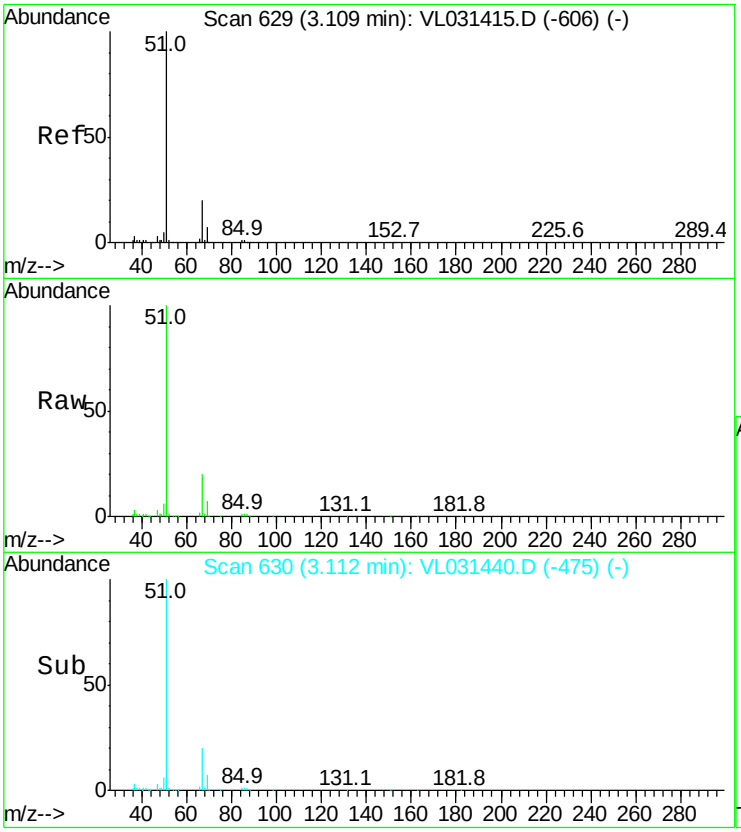


#2
Dichlorodifluoromethane
Concen: 9.25 ppbv
RT: 3.18 min Scan# 650
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 85 Resp: 1670447

Ion	Ratio	Lower	Upper
85	100		
87	33.4	27.4	41.0



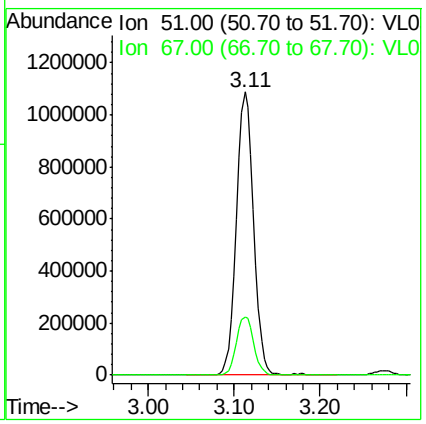


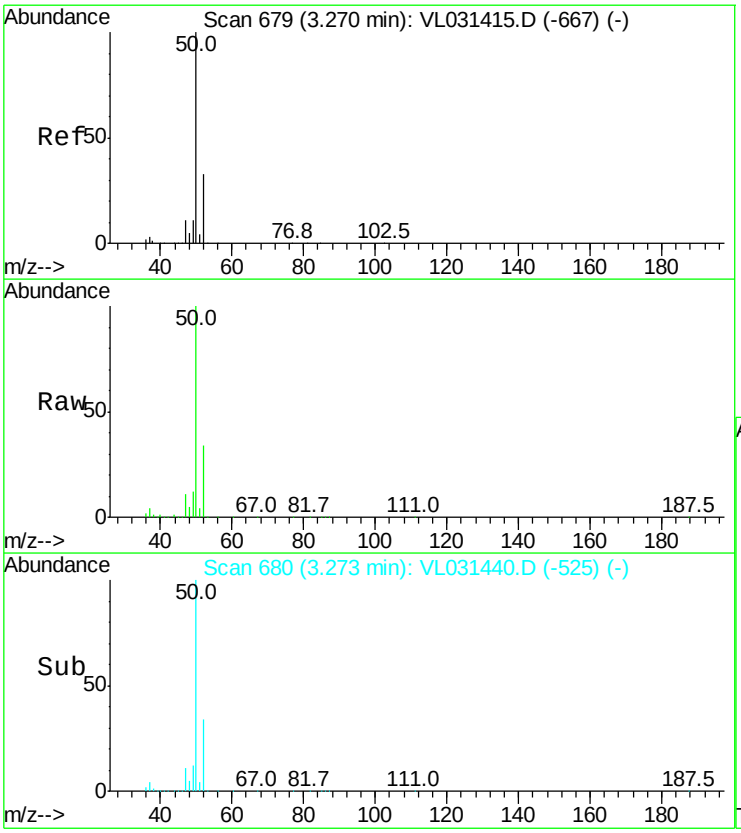
#3
Chlorodifluoromethane
Concen: 8.93 ppbv
RT: 3.11 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 51 Resp: 1506868

Ion	Ratio	Lower	Upper
51	100		
67	20.8	16.0	24.0

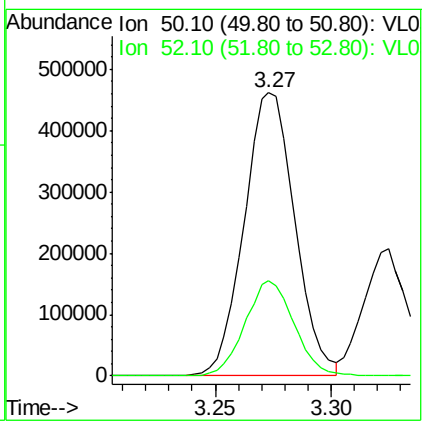


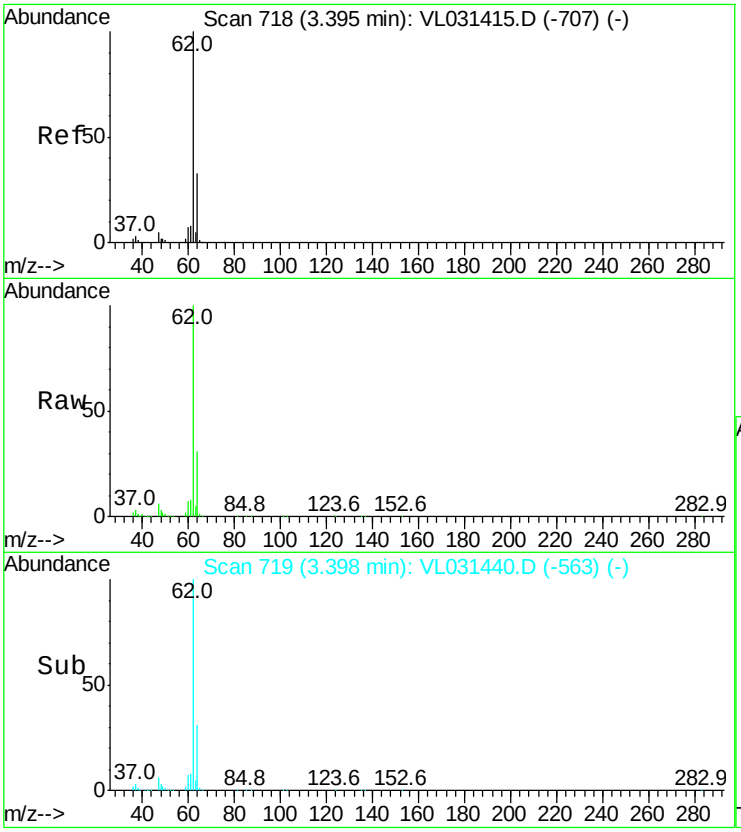


#4
Chloromethane
Concen: 9.29 ppbv
RT: 3.27 min Scan# 680
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 50 Resp: 700172

Ion	Ratio	Lower	Upper
50	100		
52	33.6	26.4	39.6



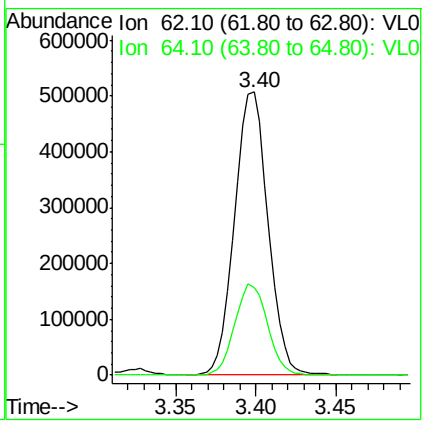


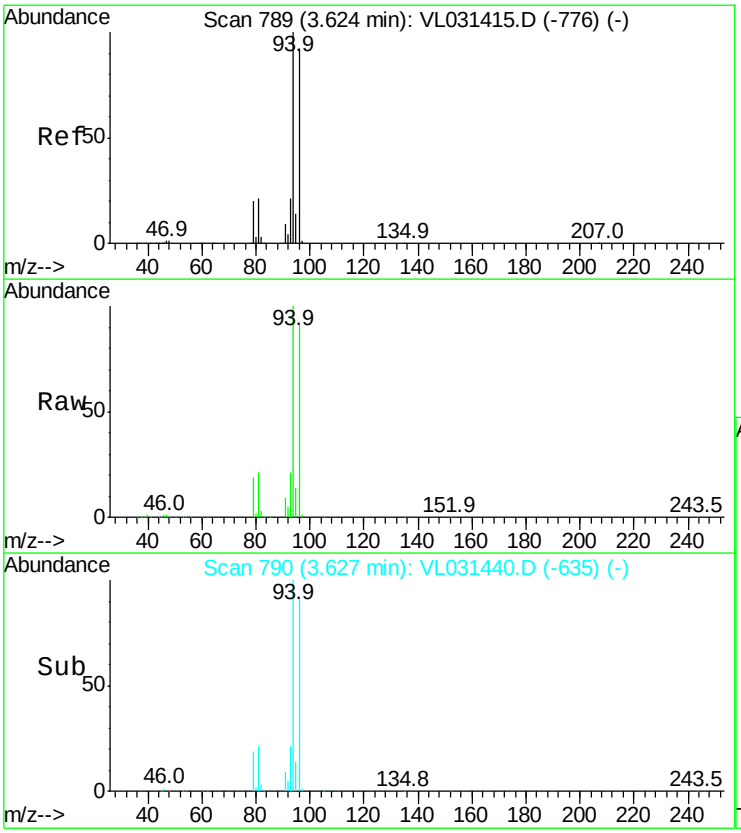
#5
Vinyl Chloride
Concen: 9.94 ppbv
RT: 3.40 min Scan# 719
Delta R.T. 0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 719561

Ion	Ratio	Lower	Upper
62	100		
64	31.0	25.4	38.0

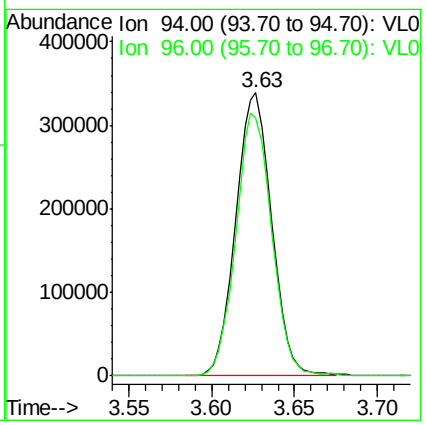


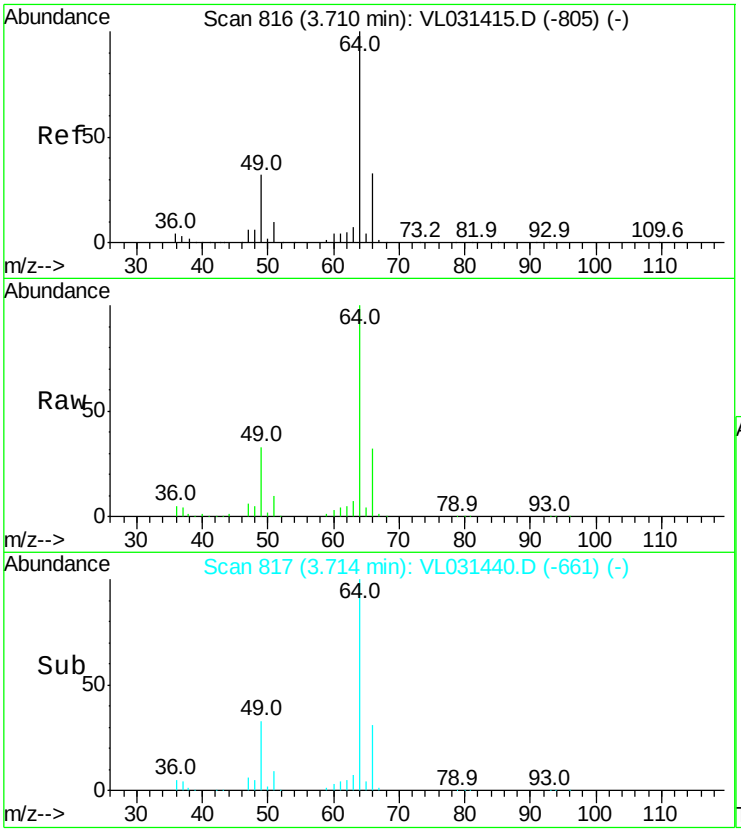


#6
Bromomethane
Concen: 9.61 ppbv
RT: 3.63 min Scan# 790
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 94 Resp: 510783

Ion	Ratio	Lower	Upper
94	100		
96	90.9	75.1	112.7



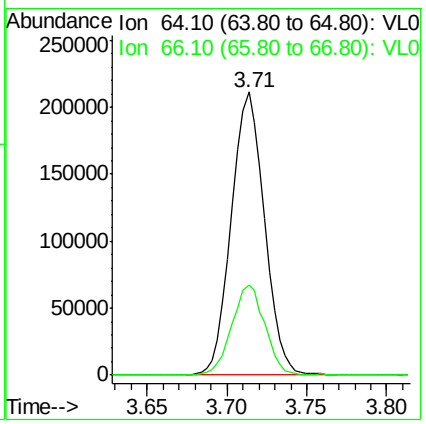


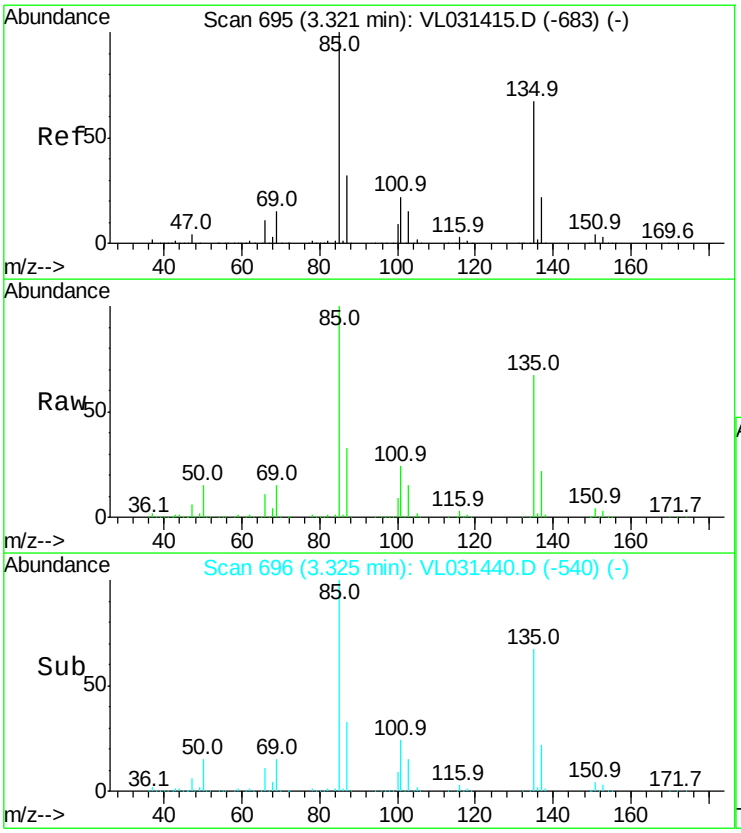
#7
Chloroethane
Concen: 9.62 ppbv
RT: 3.71 min Scan# 817
Delta R.T. 0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 64 Resp: 297490

Ion	Ratio	Lower	Upper
64	100		
66	31.7	26.3	39.5

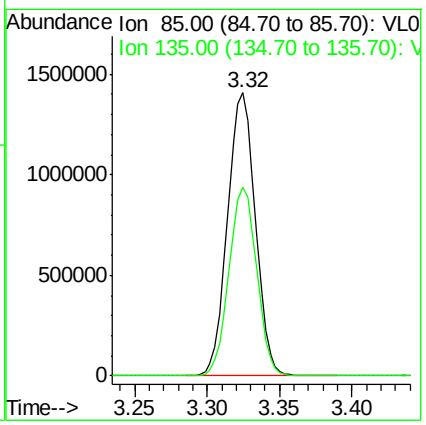


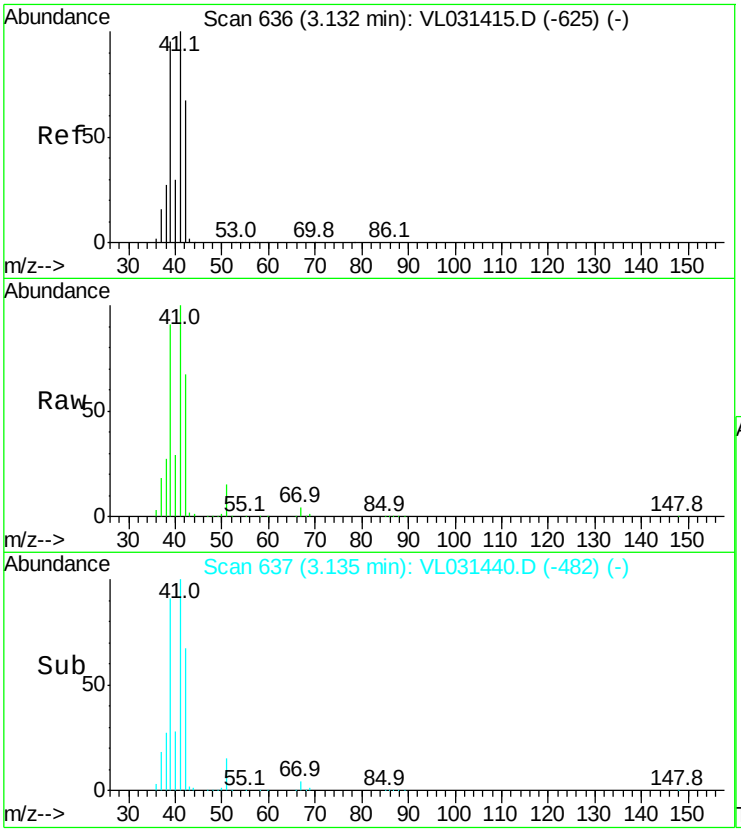


#8
Dichlorotetrafluoroethane
Concen: 9.29 ppbv
RT: 3.32 min Scan# 696
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 85 Resp: 1870317

Ion	Ratio	Lower	Upper
85	100		
135	66.6	53.3	79.9



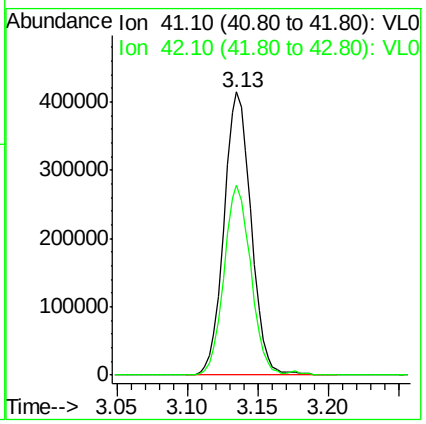


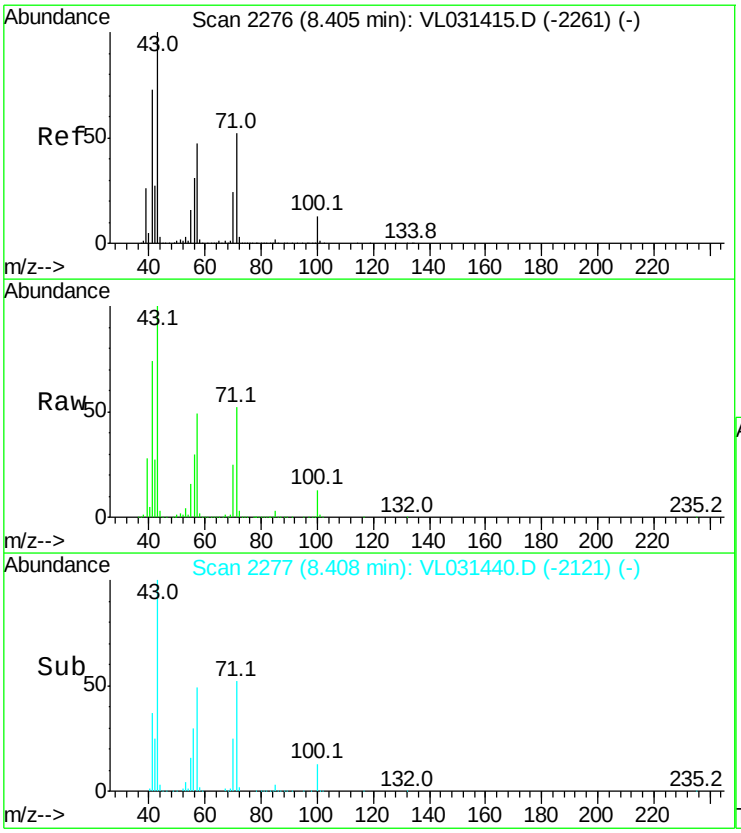
#9
Propene
Concen: 9.43 ppbv
RT: 3.13 min Scan# 637
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 557588

Ion	Ratio	Lower	Upper
41	100		
42	66.7	54.6	82.0

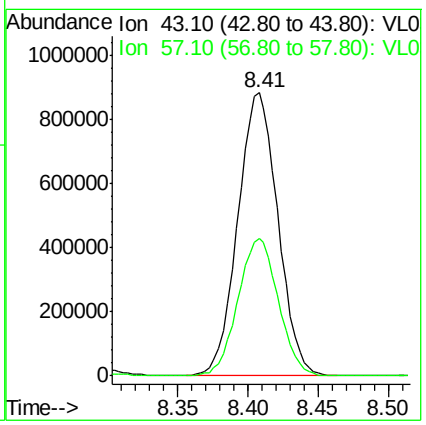


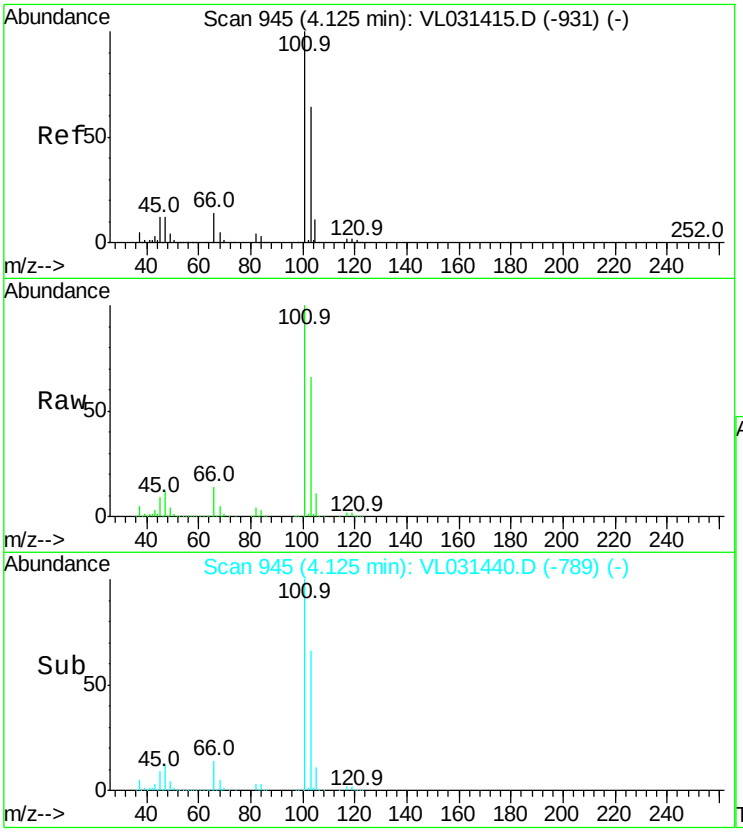


#10
Heptane
Concen: 9.48 ppbv
RT: 8.41 min Scan# 2277
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 43 Resp: 1744368

Ion	Ratio	Lower	Upper
43	100		
57	49.3	39.7	59.5



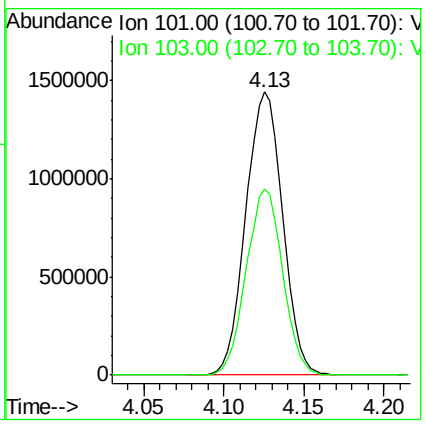


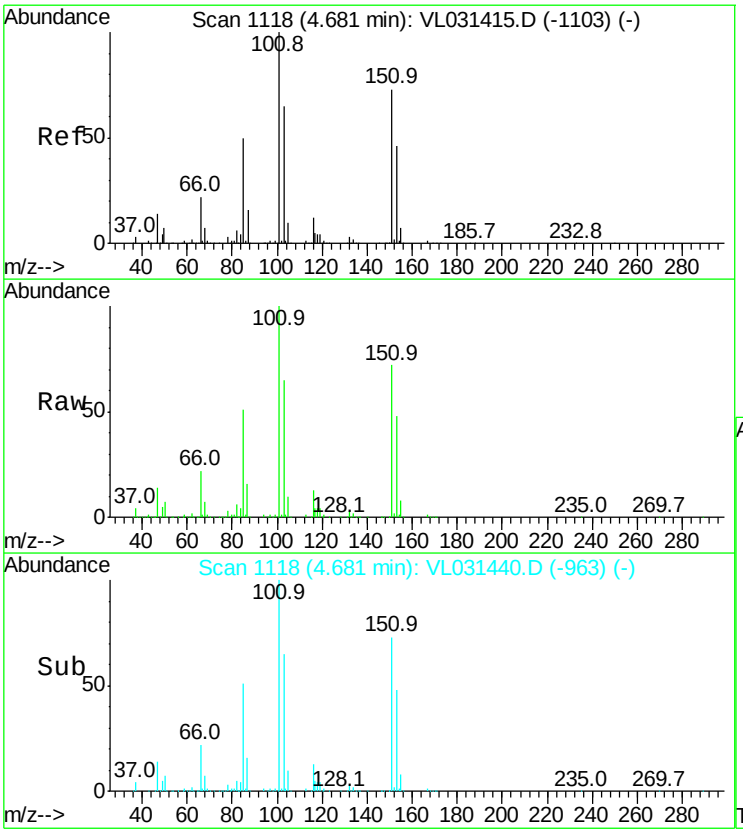
#11
Trichlorofluoromethane
Concen: 9.34 ppbv
RT: 4.13 min Scan# 945
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:101 Resp: 2274561

Ion	Ratio	Lower	Upper
101	100		
103	65.8	53.1	79.7

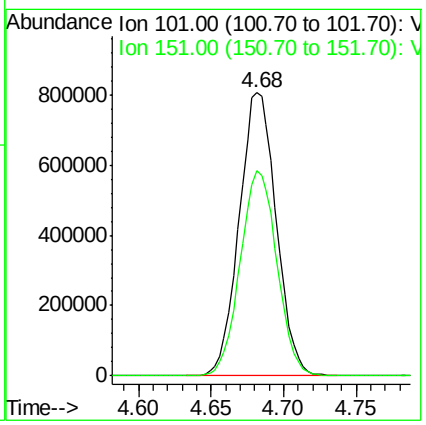


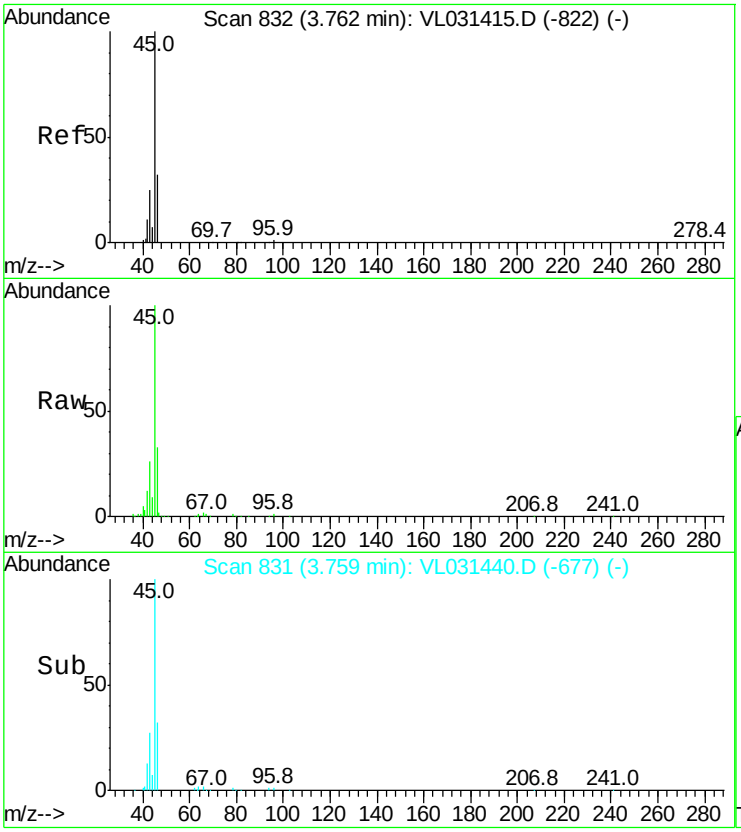


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.38 ppbv
RT: 4.68 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion:101 Resp: 1431209

Ion	Ratio	Lower	Upper
101	100		
151	72.0	58.1	87.1



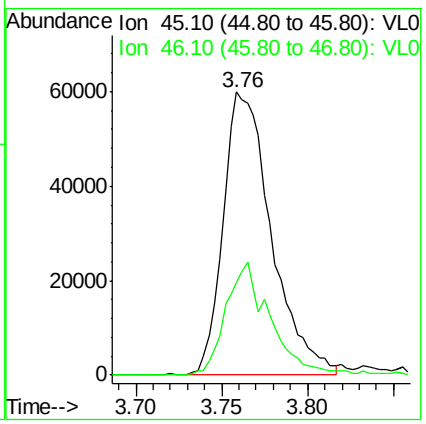


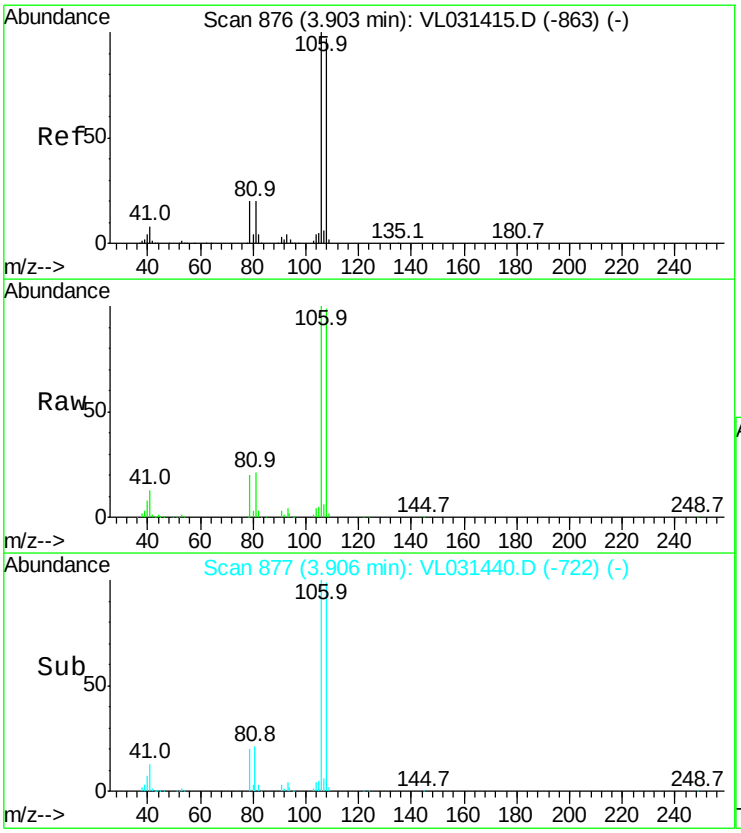
#13
Ethanol
Concen: 6.60 ppbv
RT: 3.76 min Scan# 831
Delta R.T. -0.01 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 117361

Ion	Ratio	Lower	Upper
45	100		
46	38.3	14.9	59.5

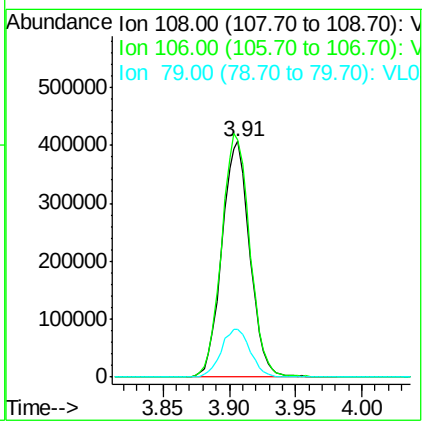


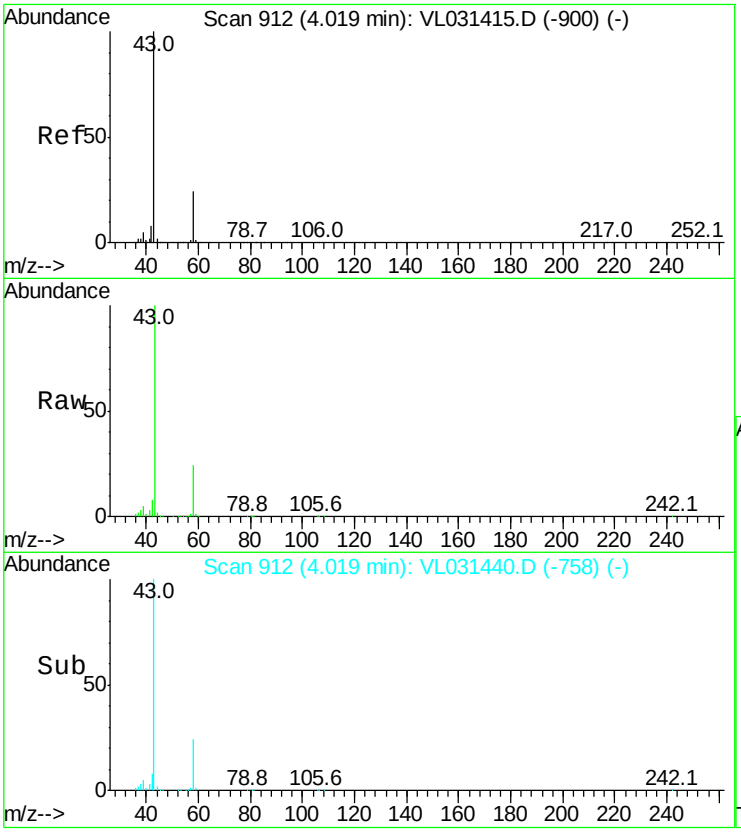


#14
Bromoethene
Concen: 9.75 ppbv
RT: 3.91 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion:108 Resp: 594800

Ion	Ratio	Lower	Upper
108	100		
106	105.2	85.3	127.9
79	21.7	16.8	25.2



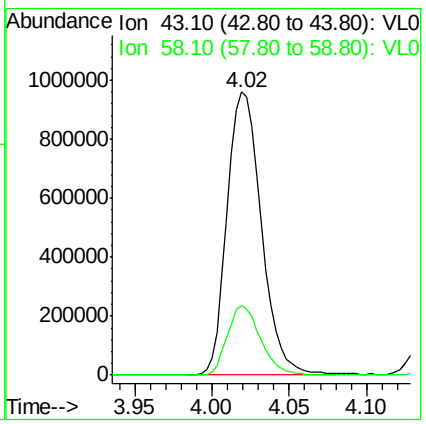


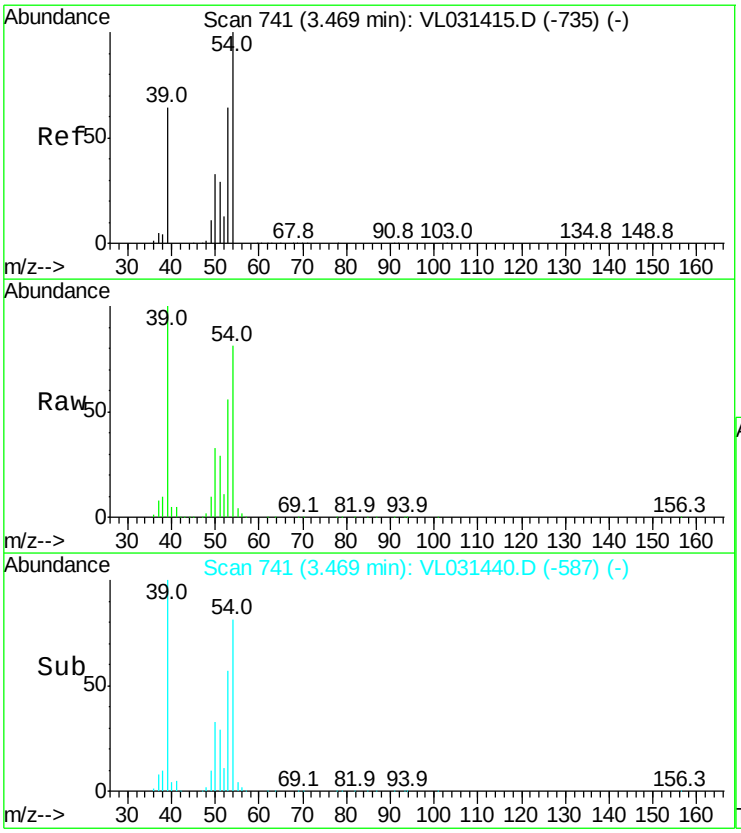
#15
Acetone
Concen: 8.69 ppbv
RT: 4.02 min Scan# 912
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1475956

Ion	Ratio	Lower	Upper
43	100		
58	23.9	19.4	29.2

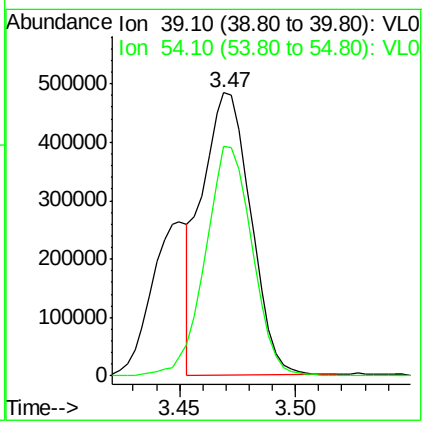


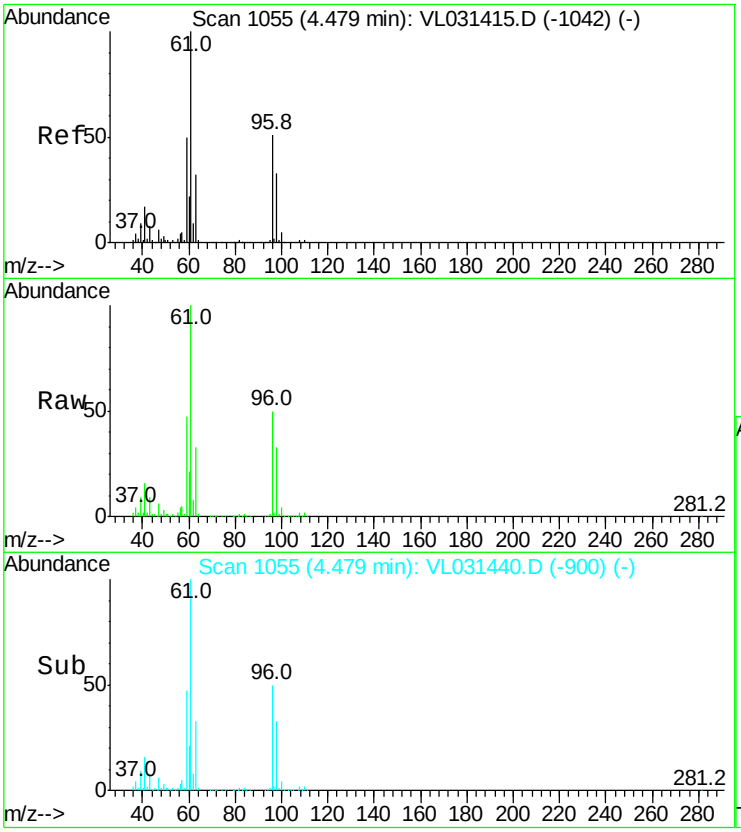


#16
1,3-Butadiene
Concen: 9.86 ppbv
RT: 3.47 min Scan# 741
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 39 Resp: 703110

Ion	Ratio	Lower	Upper
39	100		
54	79.2	67.0	100.6



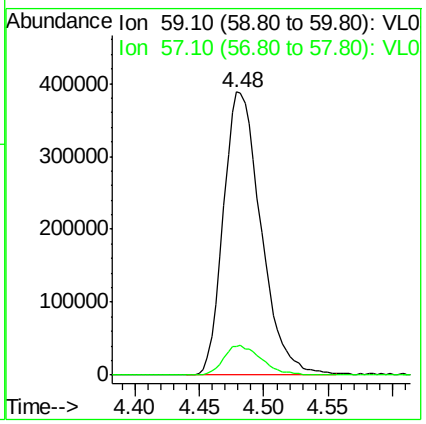


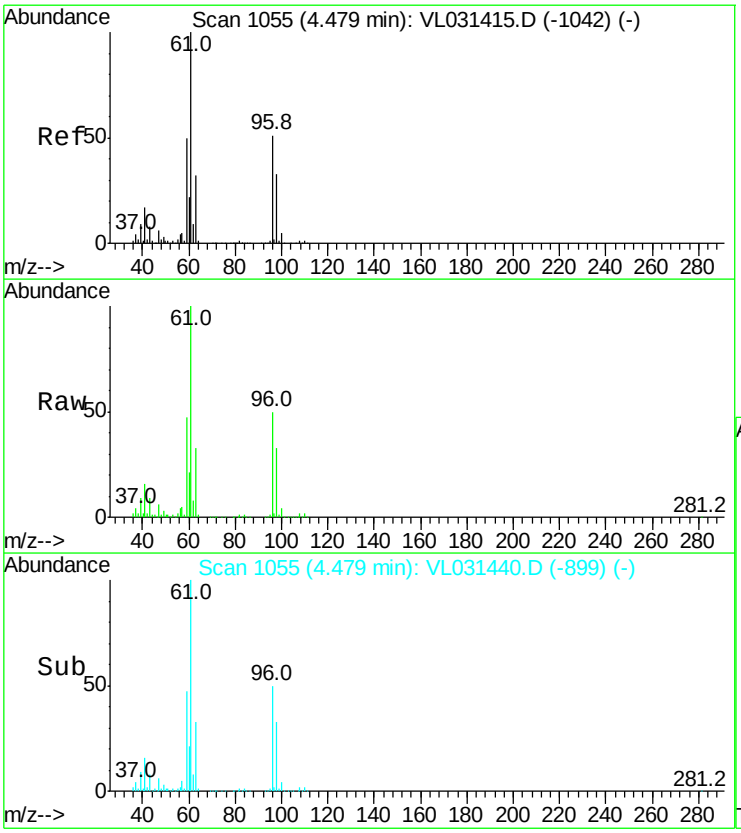
#17
tert-Butyl alcohol
Concen: 9.52 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 787039

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	13.0

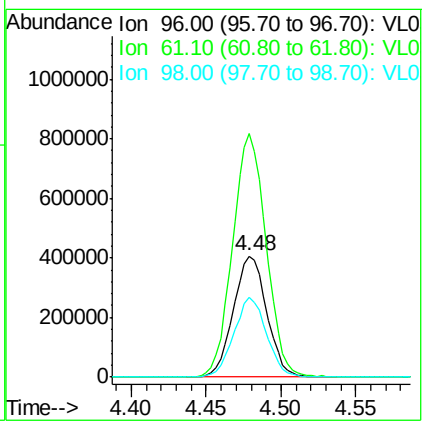


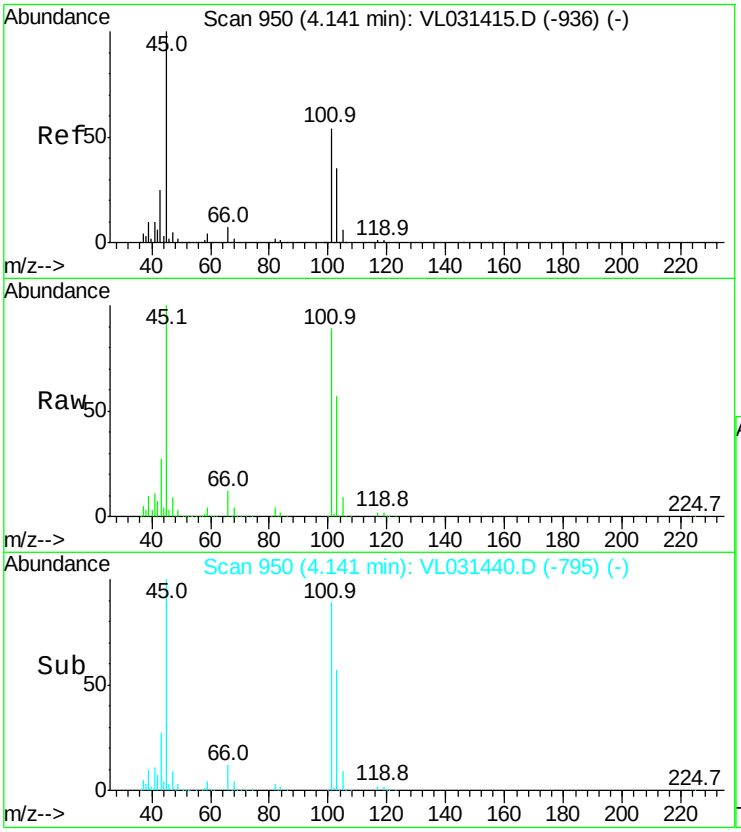


#18
1,1-Dichloroethene
Concen: 9.61 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 96 Resp: 631819

Ion	Ratio	Lower	Upper
96	100		
61	200.7	161.6	242.4
98	65.3	49.6	74.4



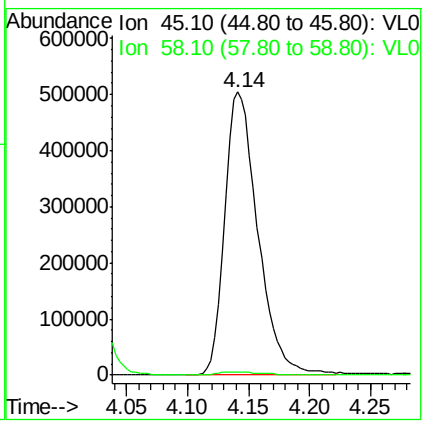


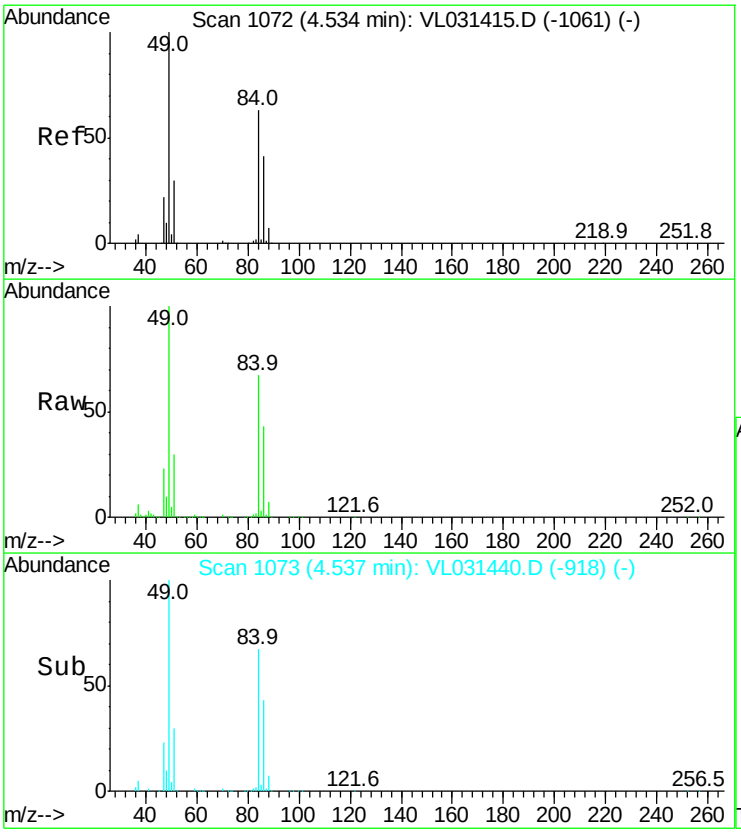
#19
Isopropyl Alcohol
Concen: 9.01 ppbv
RT: 4.14 min Scan# 950
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 955627

Ion	Ratio	Lower	Upper
45	100		
58	1.4	1.0	1.4

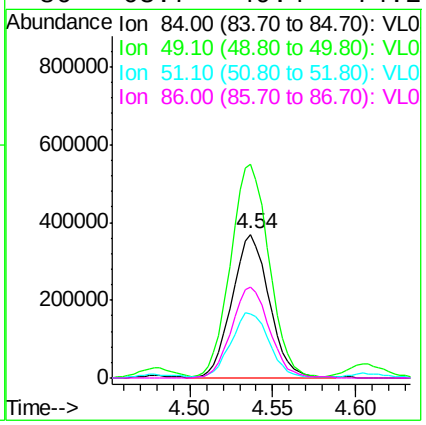


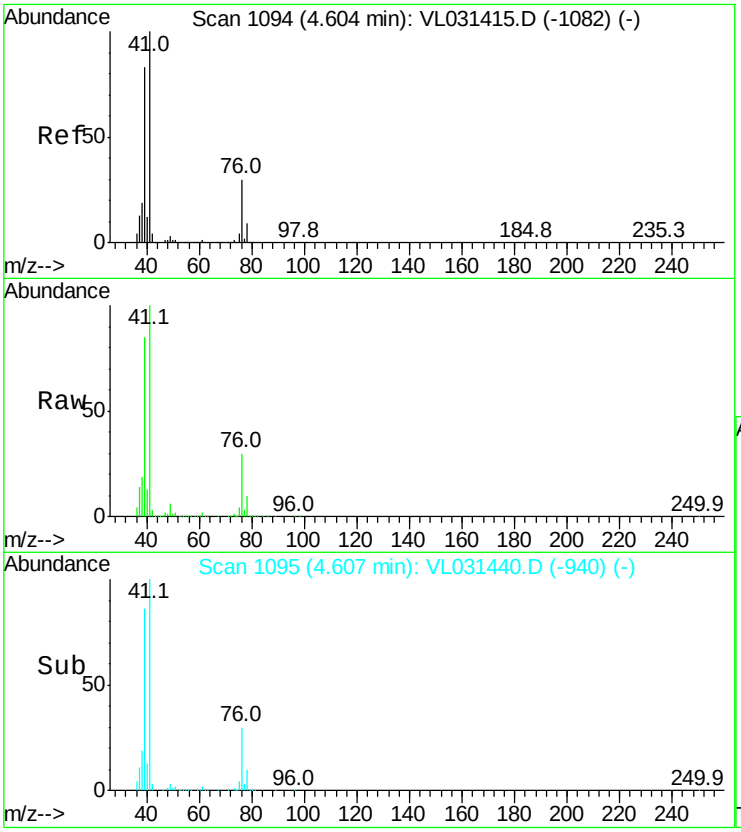


#20
Methylene Chloride
Concen: 8.69 ppbv
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 84 Resp: 572845

Ion	Ratio	Lower	Upper
84	100		
49	147.3	123.4	185.0
51	43.9	35.6	53.4
86	63.7	49.4	74.2



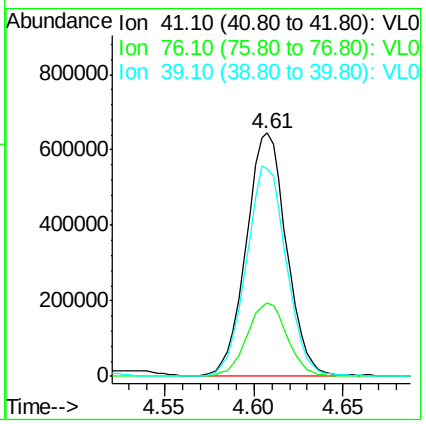


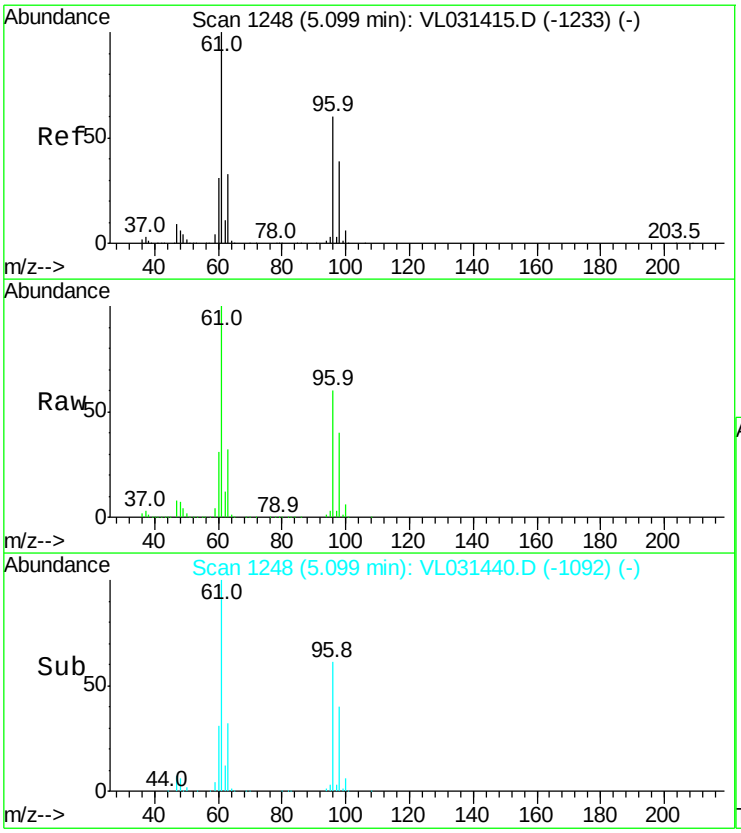
#21
Allyl Chloride
Concen: 9.91 ppbv
RT: 4.61 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 41 Resp: 1010563

Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.2	36.2
39	86.5	69.8	104.8

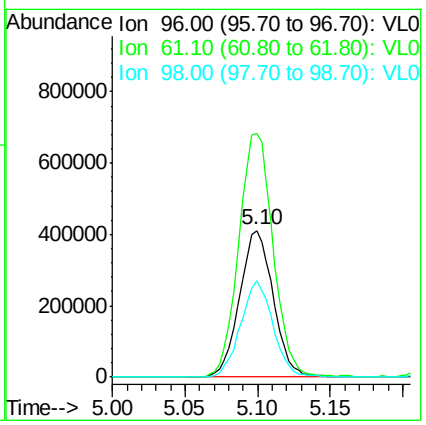


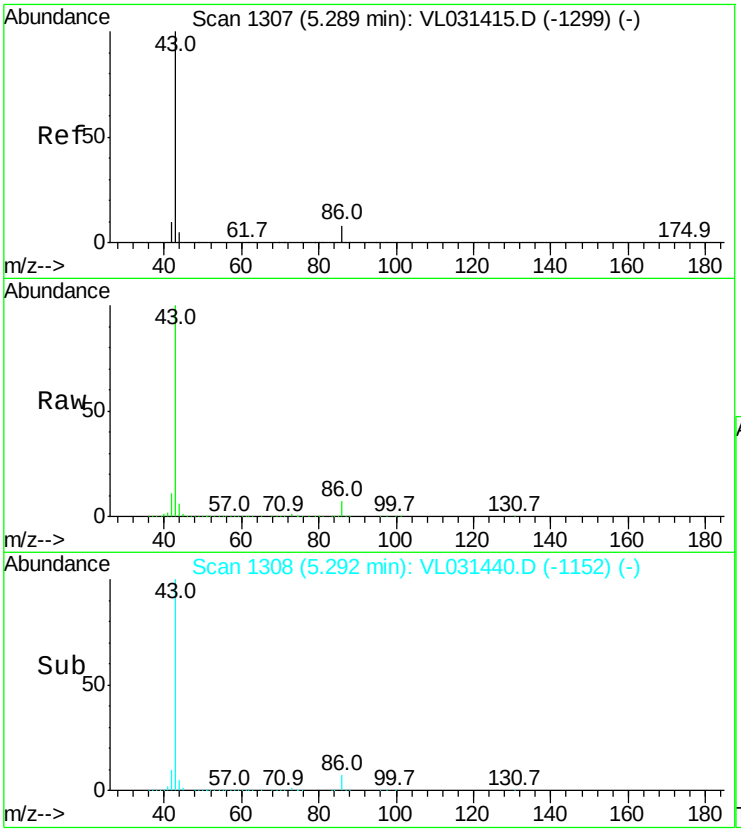


#22
trans-1,2-Dichloroethene
Concen: 9.60 ppbv
RT: 5.10 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 96 Resp: 662345

Ion	Ratio	Lower	Upper
96	100		
61	165.8	135.0	202.4
98	65.8	52.2	78.2



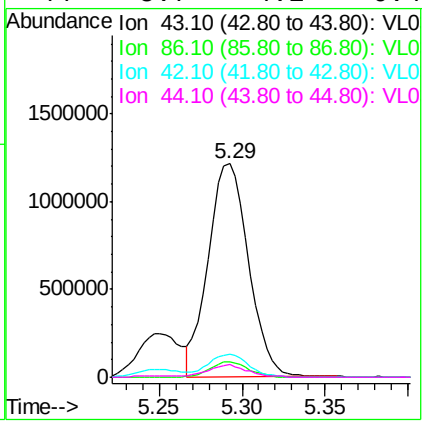


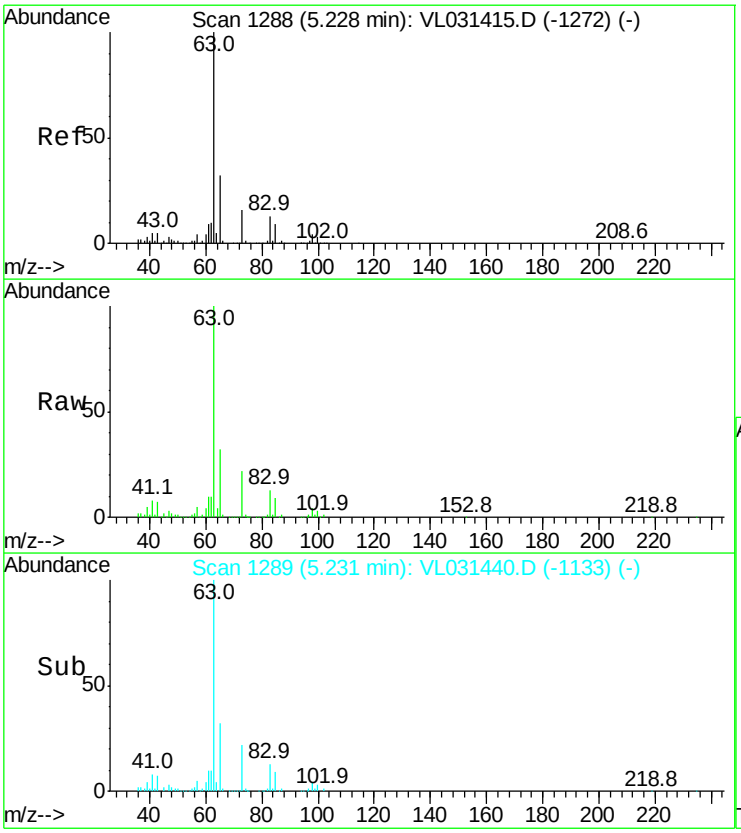
#23
Vinyl Acetate
Concen: 10.00 ppbv
RT: 5.29 min Scan# 1308
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2053779

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.6	8.4
42	10.5	8.6	12.8
44	5.7	4.2	6.4

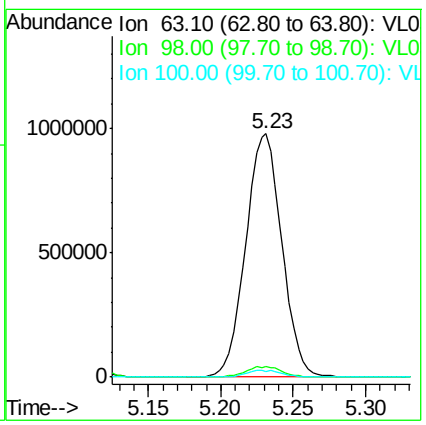


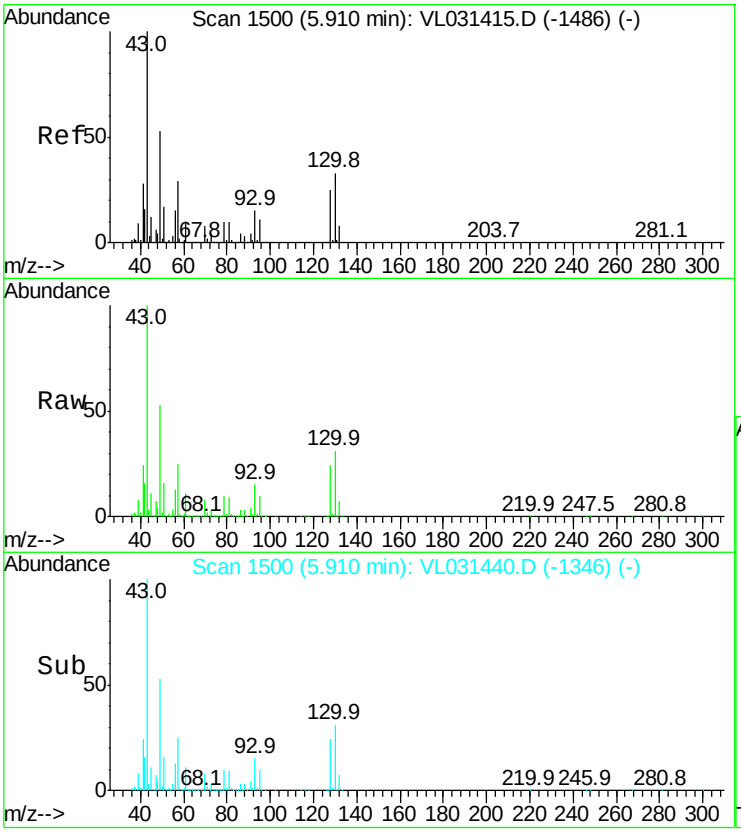


#24
1,1-Dichloroethane
Concen: 9.49 ppbv
RT: 5.23 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 63 Resp: 1700755

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.4	7.1
100	2.5	1.3	3.9



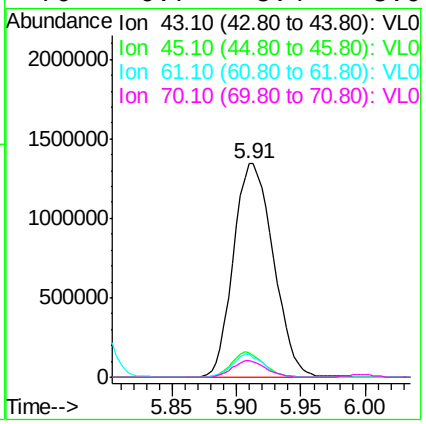


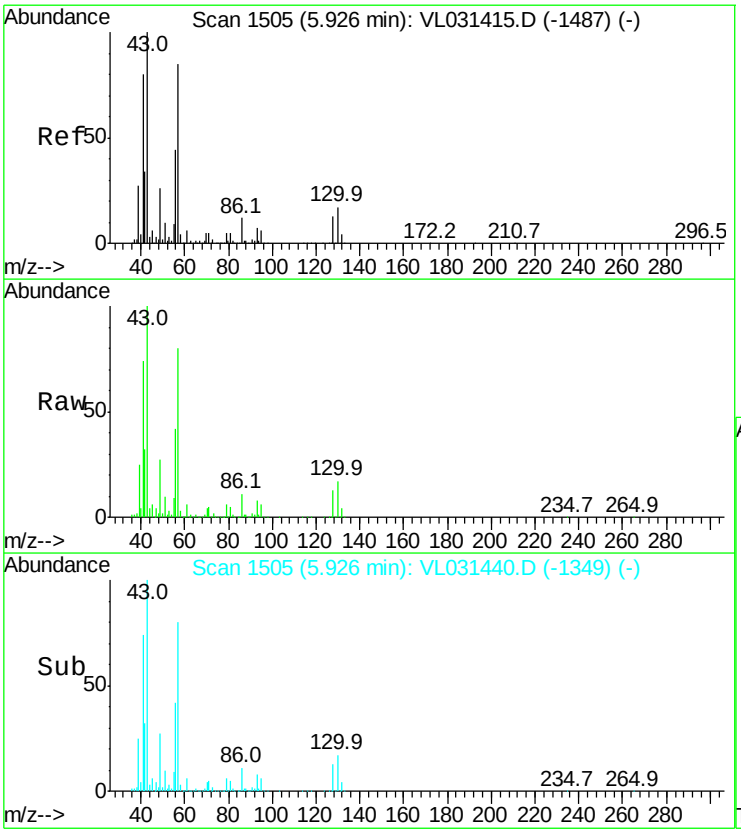
#25
Ethyl Acetate
Concen: 9.56 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2893238

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	8.7	7.0	10.6
70	6.7	5.4	8.0

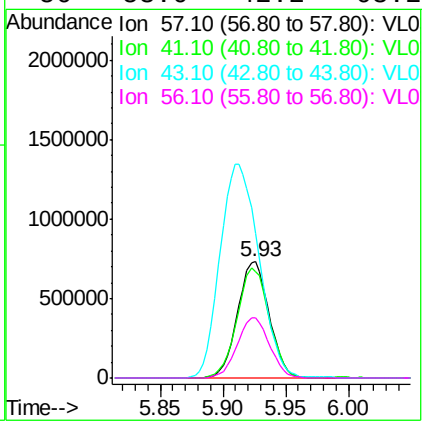


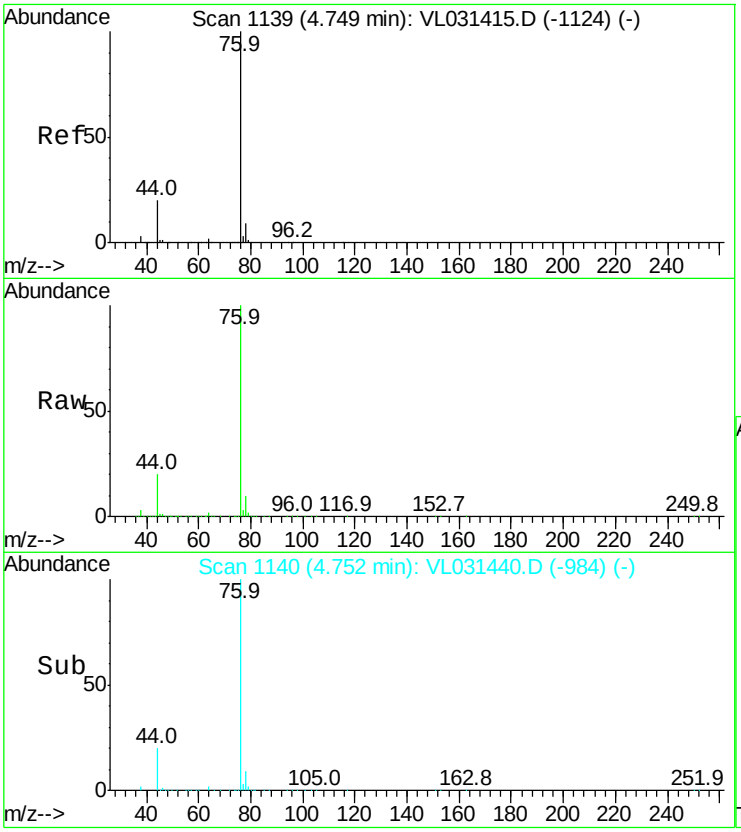


#26
Hexane
Concen: 9.48 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 57 Resp: 1277055

Ion	Ratio	Lower	Upper
57	100		
41	96.7	77.1	115.7
43	227.4	180.7	271.1
56	53.0	42.2	63.2



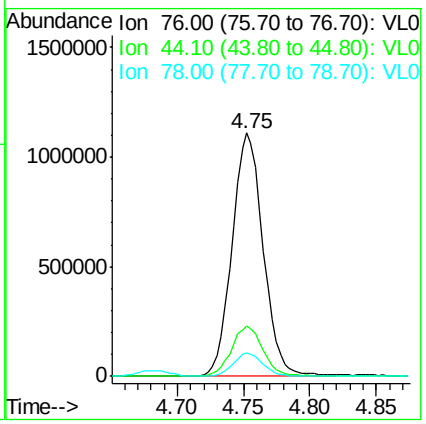


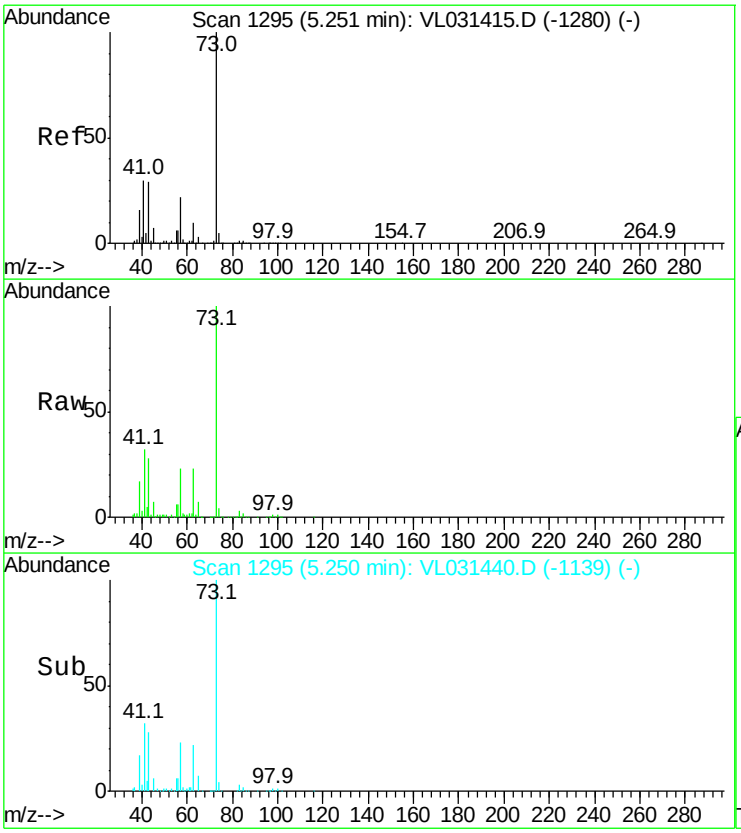
#27
Carbon Disulfide
Concen: 10.19 ppbv
RT: 4.75 min Scan# 1140
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 76 Resp: 1805015

Ion	Ratio	Lower	Upper
76	100		
44	20.6	16.7	25.1
78	9.3	7.5	11.3

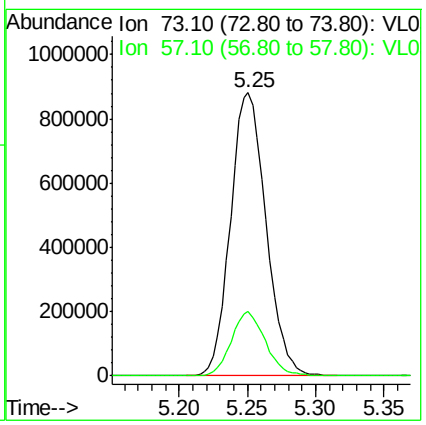


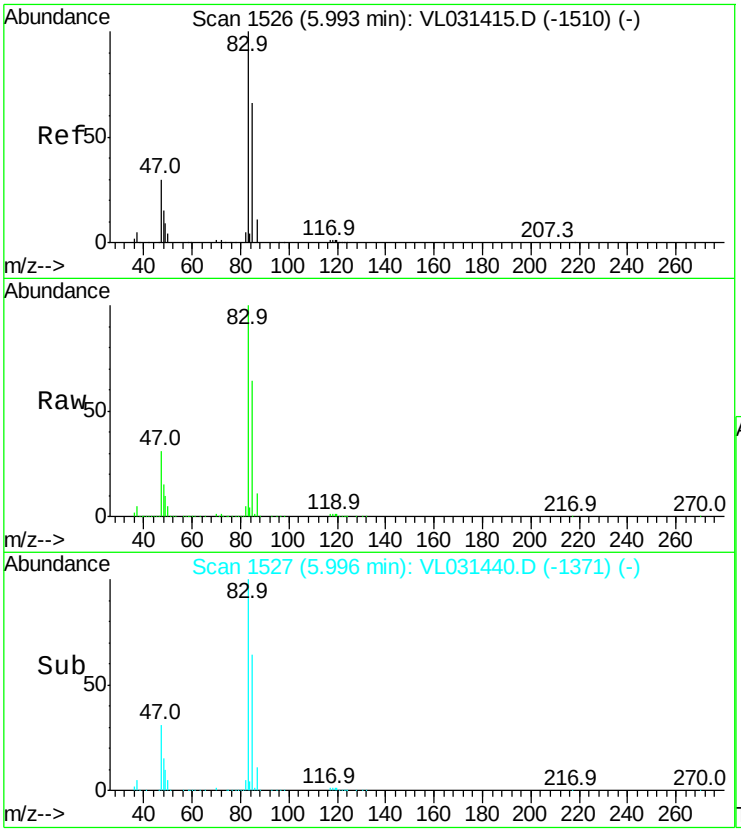


#28
Methyl tert-Butyl Ether
Concen: 9.95 ppbv
RT: 5.25 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 73 Resp: 1589487

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.5	26.3



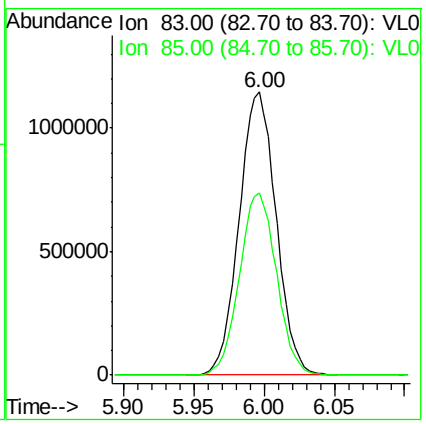


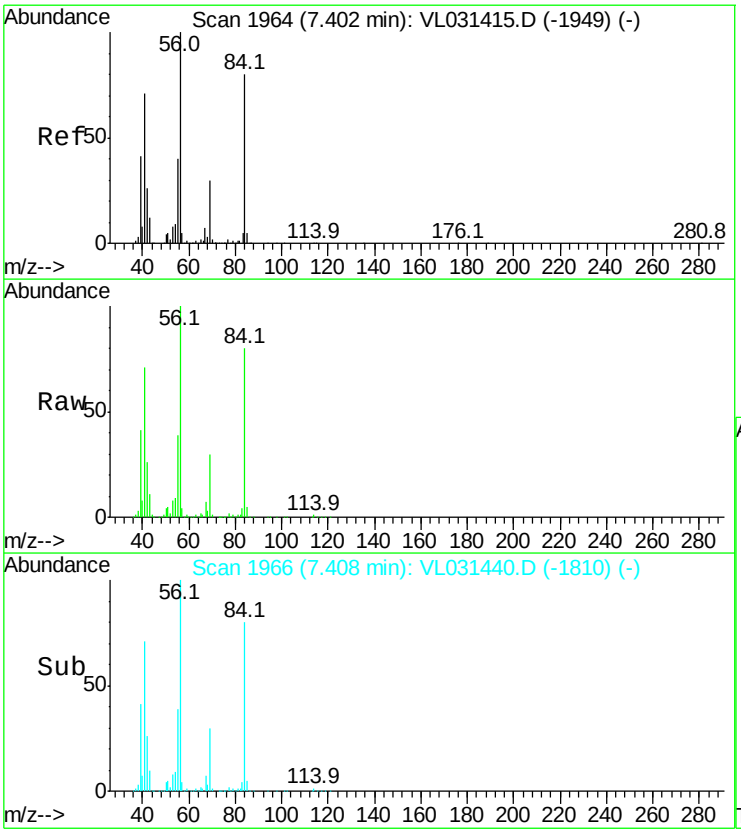
#29
Chloroform
Concen: 9.08 ppbv
RT: 6.00 min Scan# 1527
Delta R.T. 0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 2109185

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.3	76.9

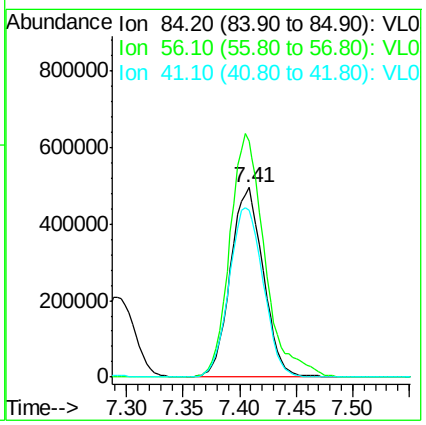


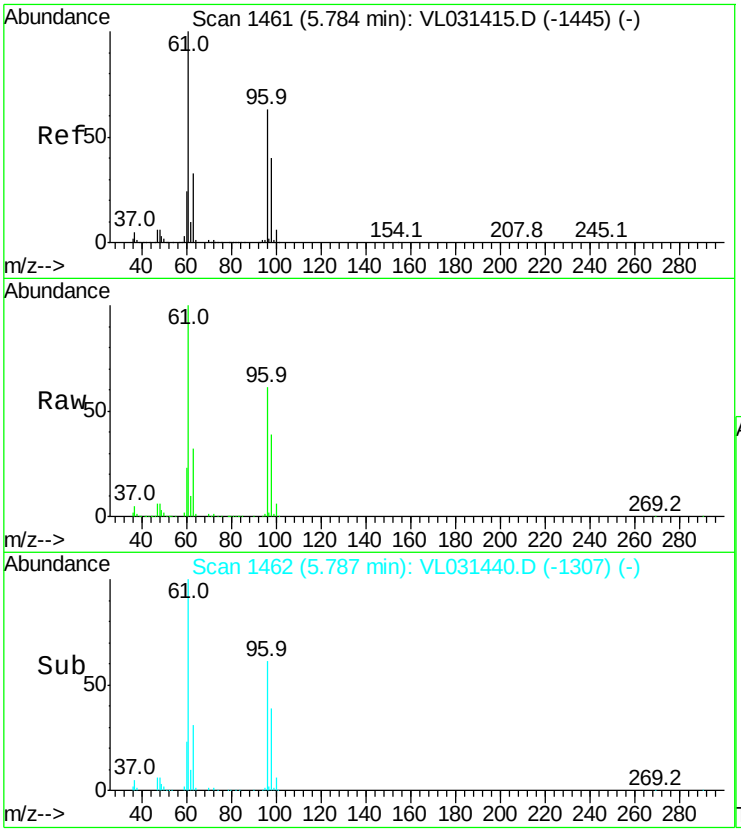


#30
Cyclohexane
Concen: 9.76 ppbv
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 84 Resp: 1005336

Ion	Ratio	Lower	Upper
84	100		
56	135.9	109.0	163.4
41	92.9	73.3	109.9



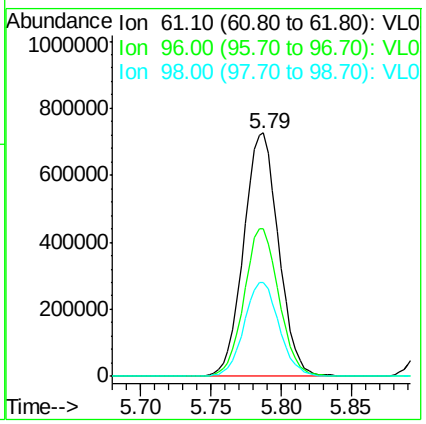


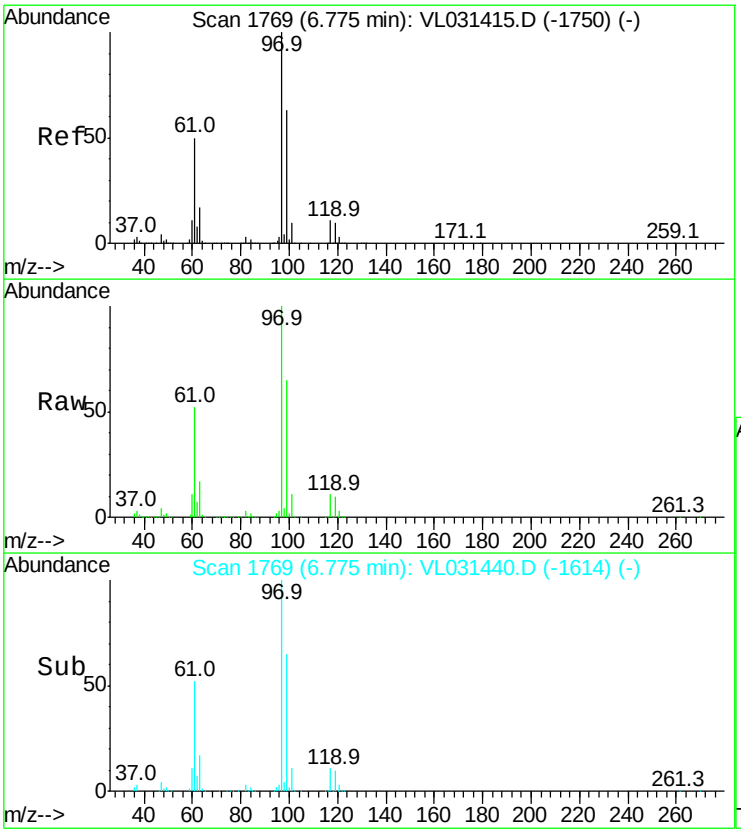
#31
cis-1,2-Dichloroethene
Concen: 9.90 ppbv
RT: 5.79 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 61 Resp: 1260637

Ion	Ratio	Lower	Upper
61	100		
96	60.8	51.3	76.9
98	38.7	33.6	50.4

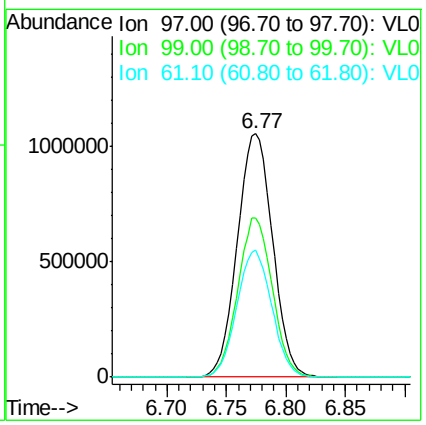


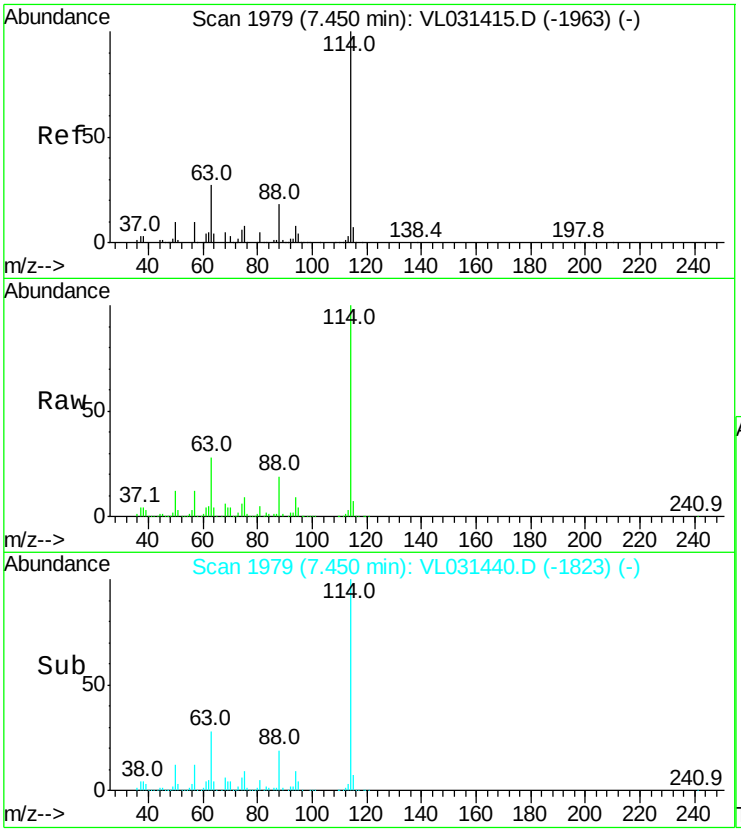


#32
1,1,1-Trichloroethane
Concen: 9.58 ppbv
RT: 6.77 min Scan# 1769
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 97 Resp: 2168583

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.9	77.9
61	51.6	40.6	61.0



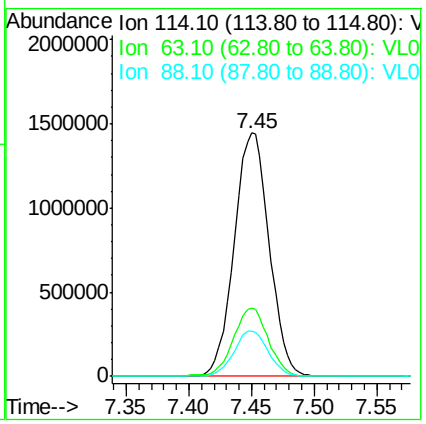


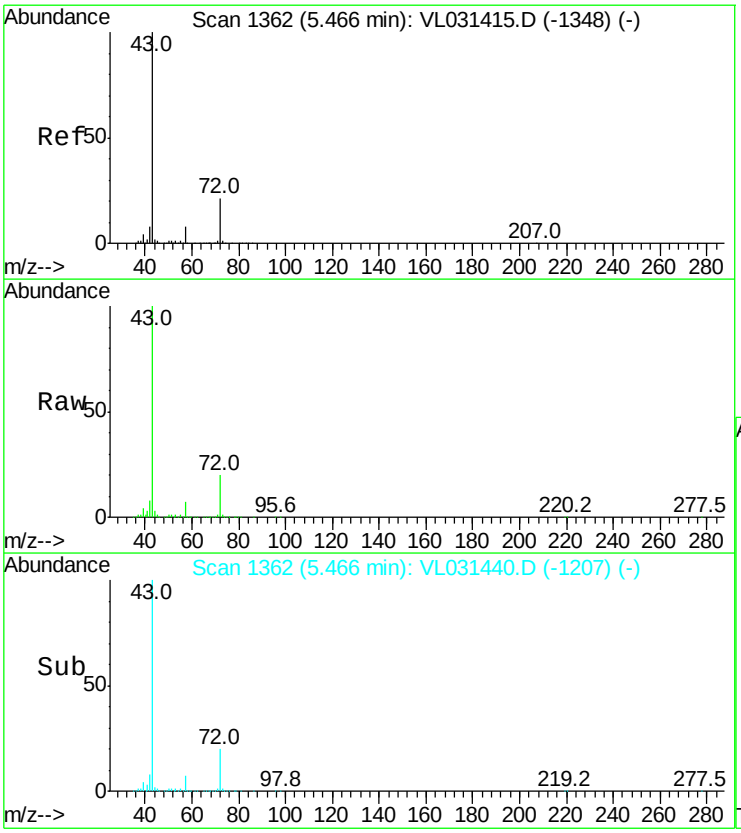
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.45 min Scan# 1979
Delta R.T. 0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:114 Resp: 2795947

Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.5	33.7
88	18.4	14.6	22.0

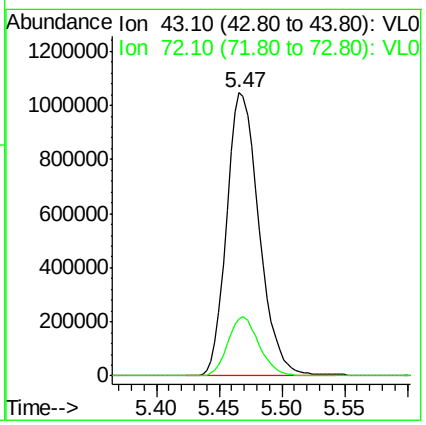


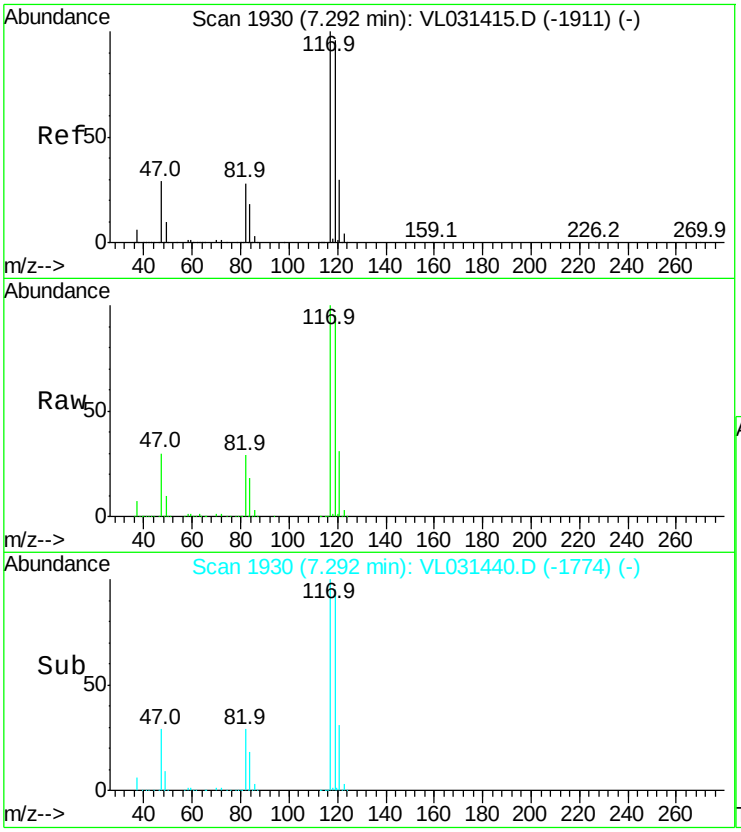


#34
2-Butanone
Concen: 10.59 ppbv
RT: 5.47 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 43 Resp: 1872882

Ion	Ratio	Lower	Upper
43	100		
72	20.4	16.8	25.2



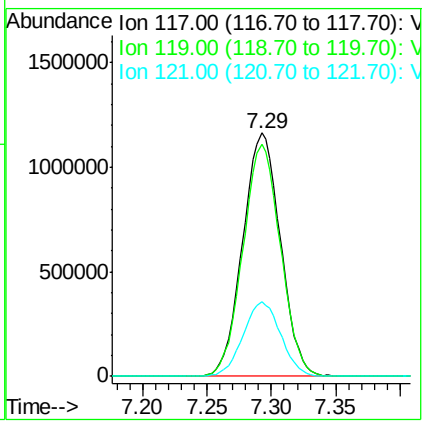


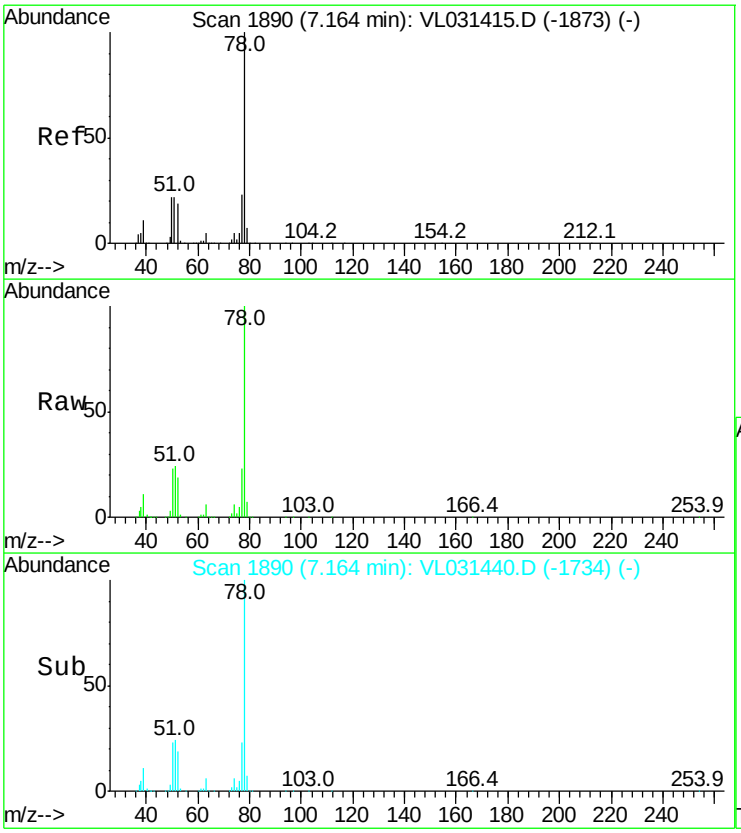
#35
Carbon Tetrachloride
Concen: 10.48 ppbv
RT: 7.29 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 2373142

Ion	Ratio	Lower	Upper
117	100		
119	95.3	74.2	111.4
121	30.7	24.2	36.4

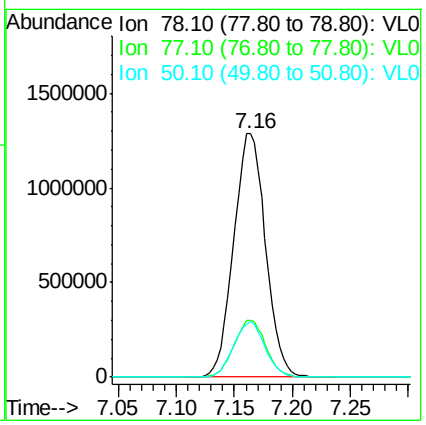


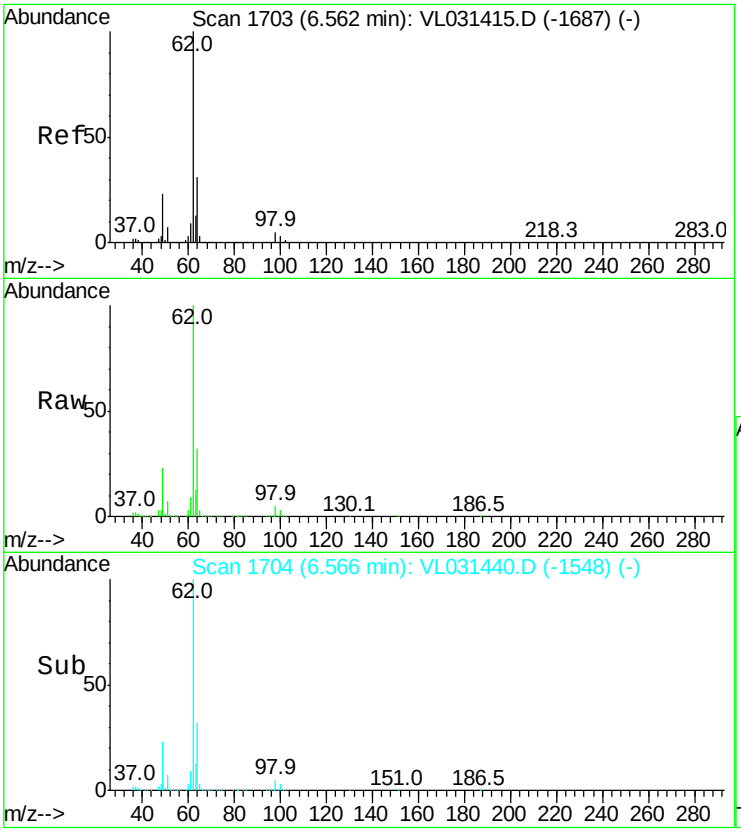


#36
Benzene
Concen: 9.87 ppbv
RT: 7.16 min Scan# 1890
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 78 Resp: 2455106

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1
50	22.9	18.4	27.6



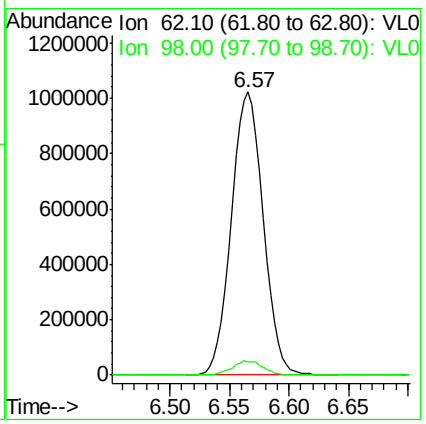


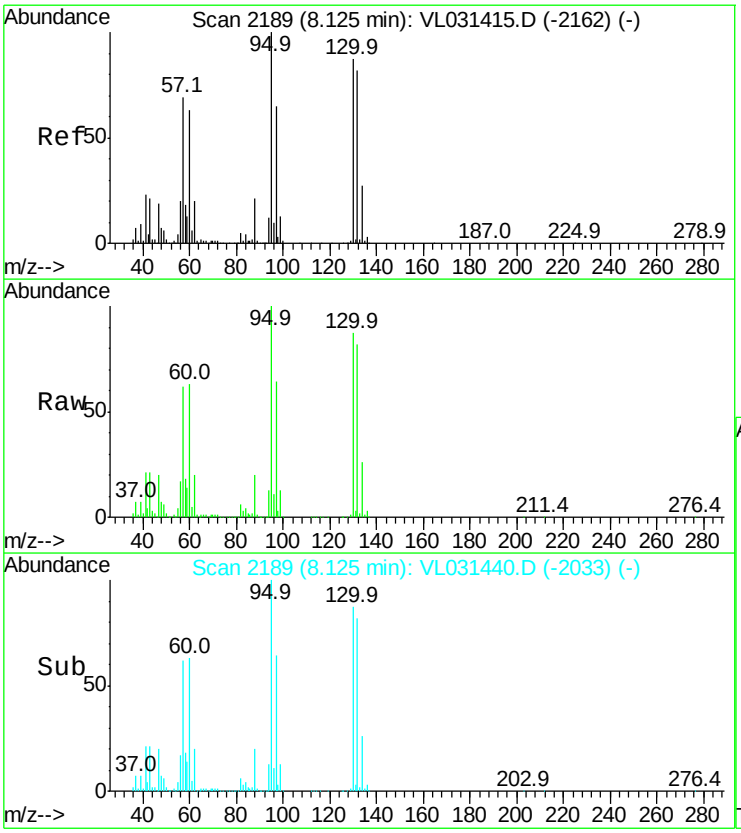
#37
1,2-Dichloroethane
Concen: 9.84 ppbv
RT: 6.57 min Scan# 1704
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 1899189

Ion	Ratio	Lower	Upper
62	100		
98	5.0	4.1	6.1

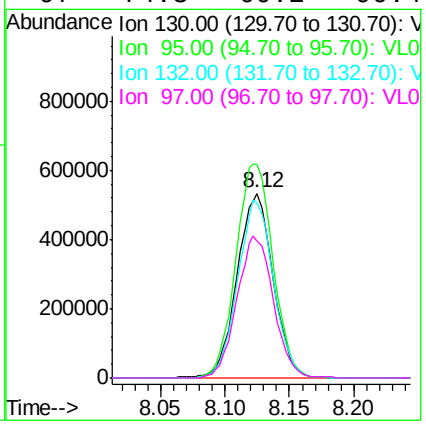


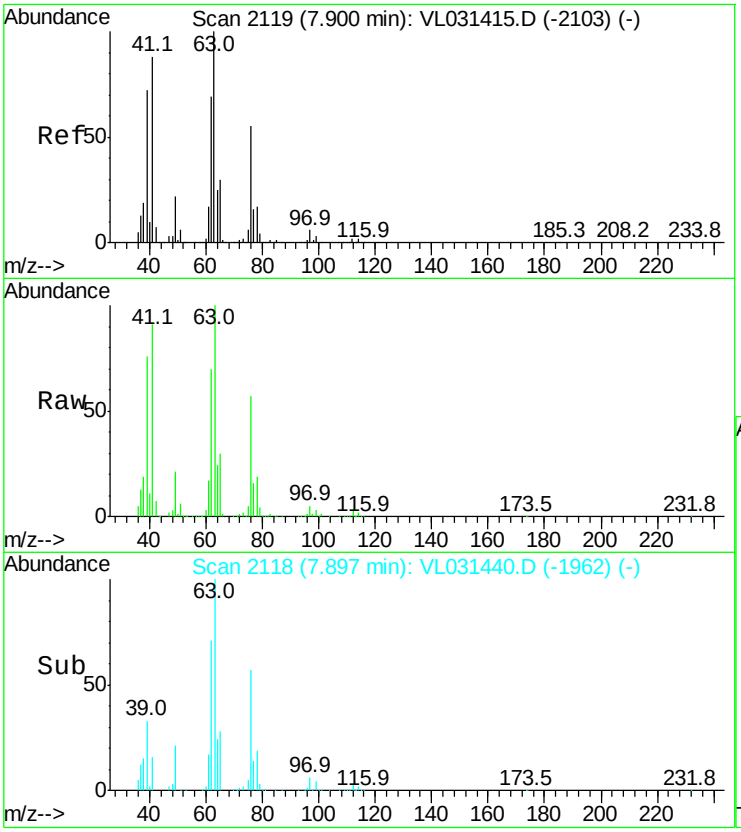


#38
Trichloroethene
Concen: 10.69 ppbv
RT: 8.12 min Scan# 2189
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion:130 Resp: 1033907

Ion	Ratio	Lower	Upper
130	100		
95	115.5	92.9	139.3
132	94.8	74.9	112.3
97	74.3	60.2	90.4



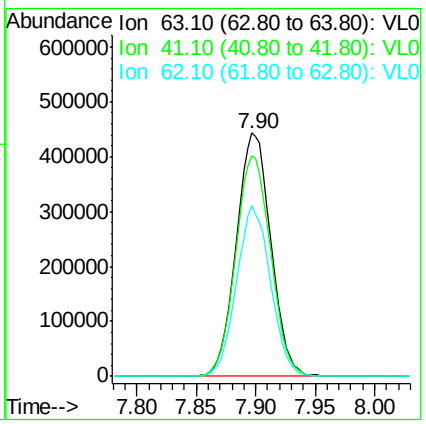


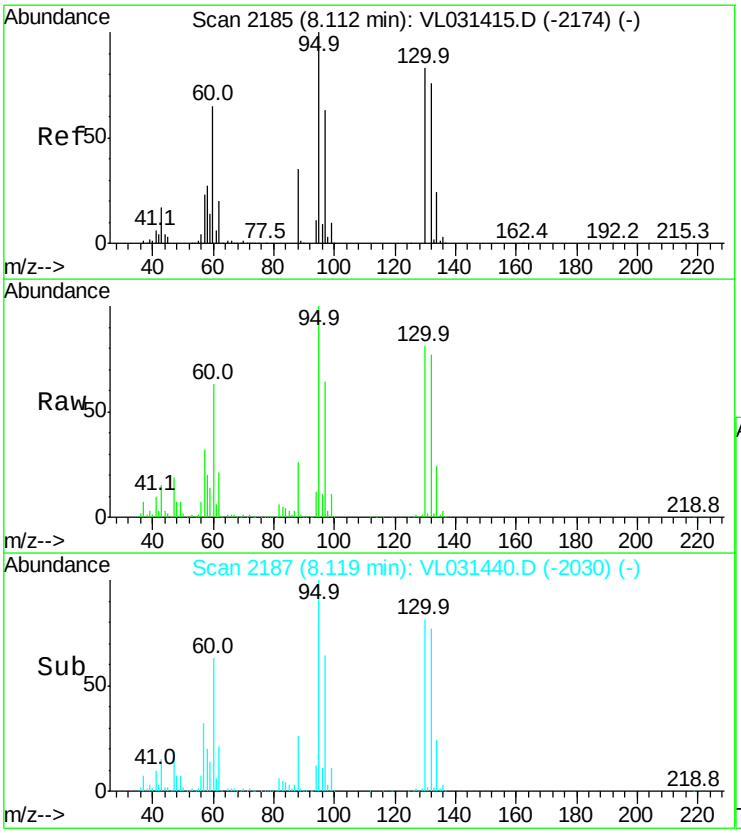
#39
1,2-Dichloropropane
Concen: 9.54 ppbv
RT: 7.90 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 63 Resp: 890759

Ion	Ratio	Lower	Upper
63	100		
41	90.8	67.6	101.4
62	70.0	51.8	77.6

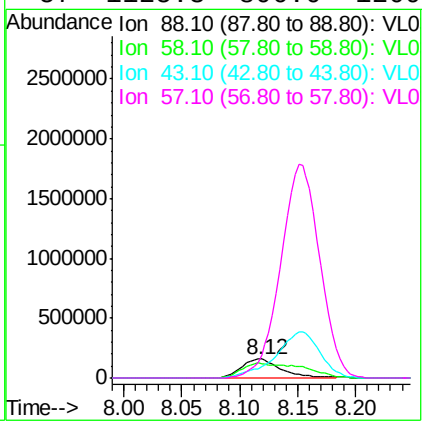


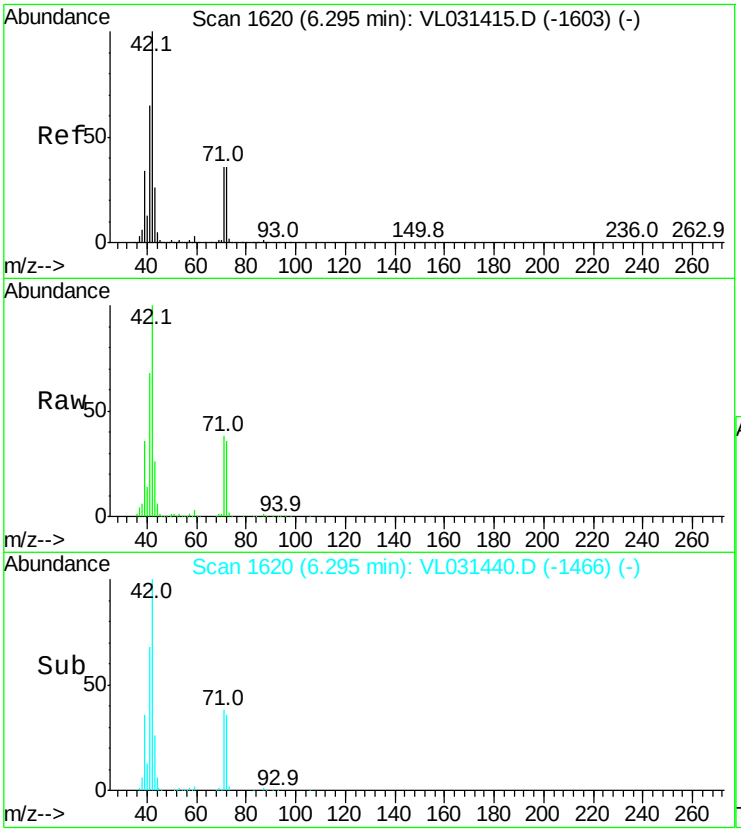


#40
1,4-Dioxane
Concen: 9.82 ppbv
RT: 8.12 min Scan# 2187
Delta R.T. 0.01 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 88 Resp: 374352

Ion	Ratio	Lower	Upper
88	100		
58	127.2	98.2	147.2
43	274.5	197.3	295.9
57	1125.3	806.0	1209.0



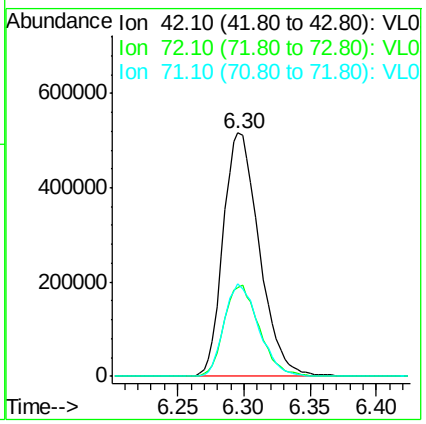


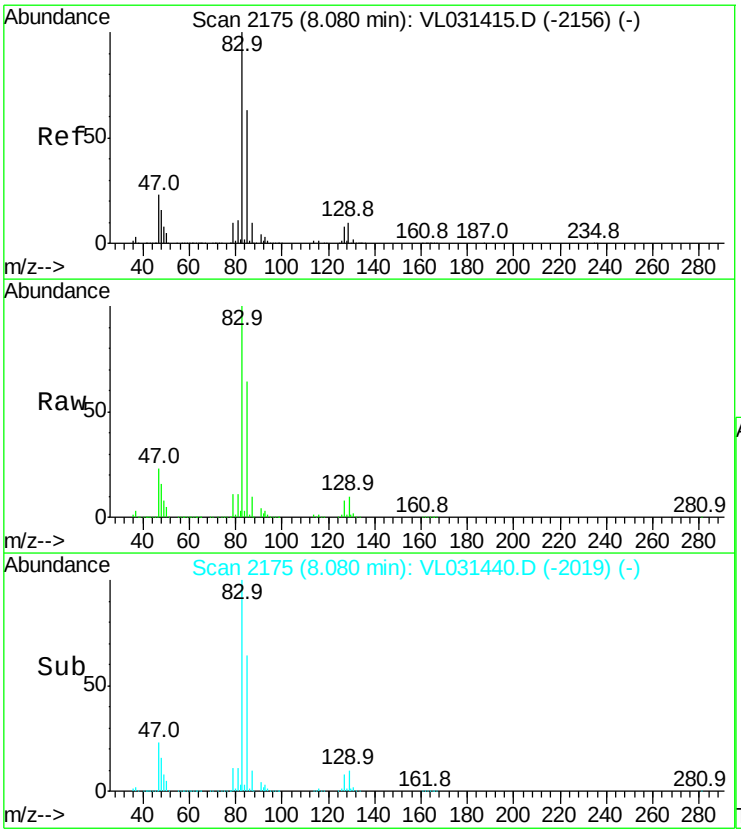
#41
Tetrahydrofuran
Concen: 9.99 ppbv
RT: 6.30 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 42 Resp: 976037

Ion	Ratio	Lower	Upper
42	100		
72	36.6	30.4	45.6
71	36.7	29.2	43.8

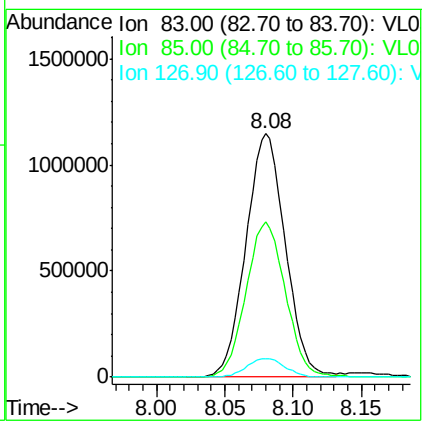


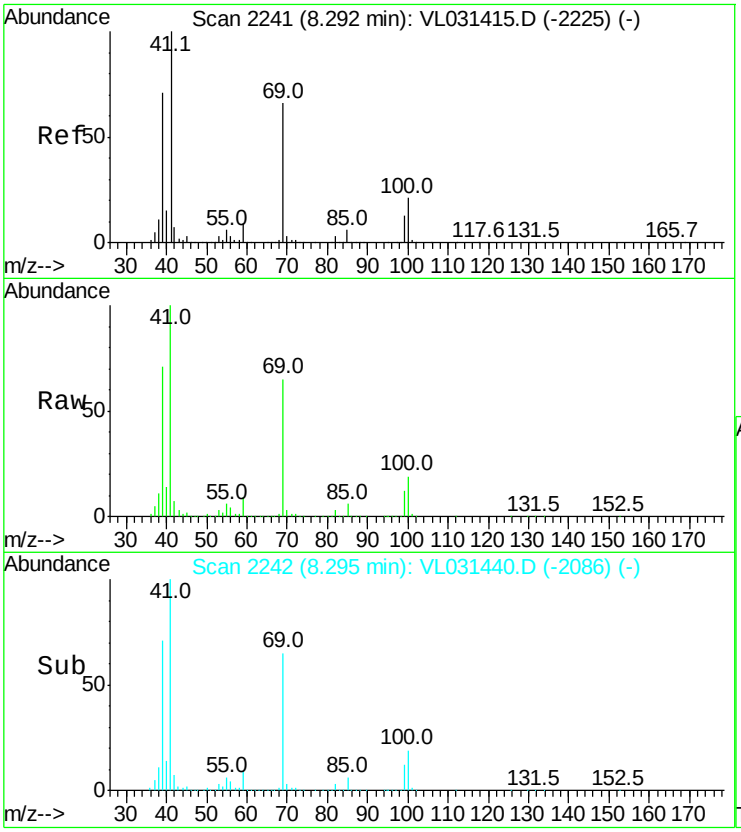


#42
Bromodichloromethane
Concen: 9.93 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. 0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 83 Resp: 2299680

Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.1	78.1
127	7.7	6.6	10.0



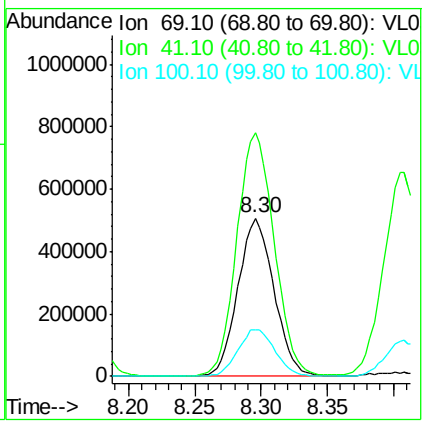


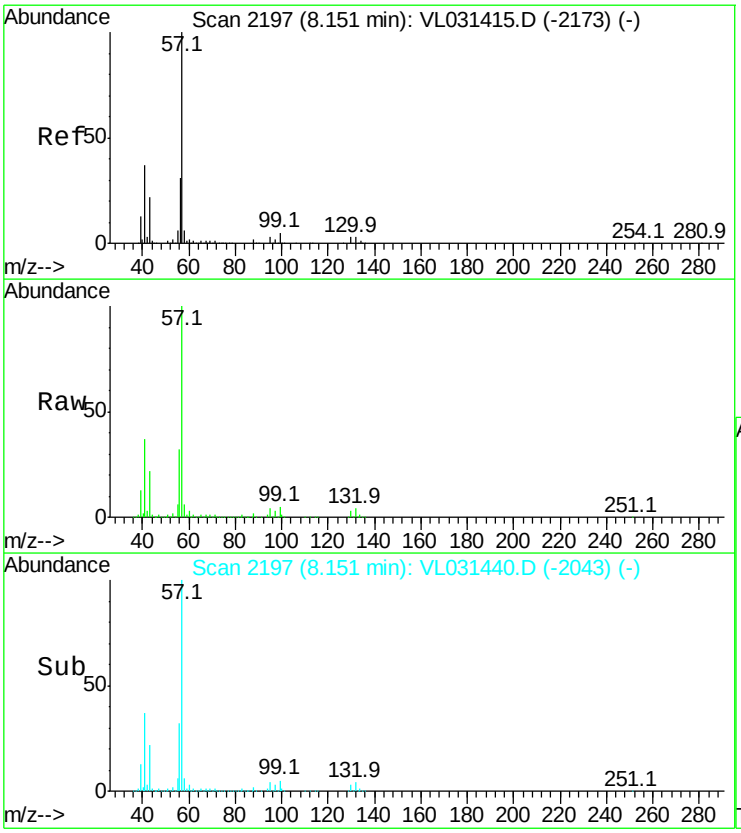
#43
Methyl Methacrylate
Concen: 10.57 ppbv
RT: 8.30 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 69 Resp: 960859

Ion	Ratio	Lower	Upper
69	100		
41	159.1	127.0	190.6
100	30.6	24.6	37.0

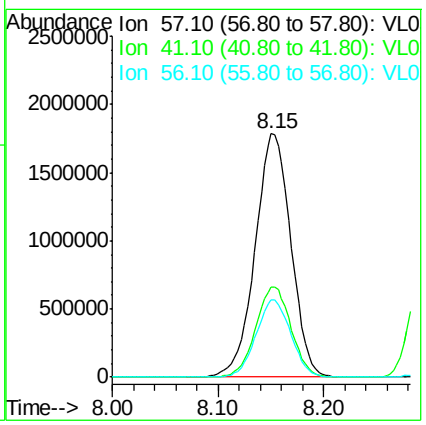


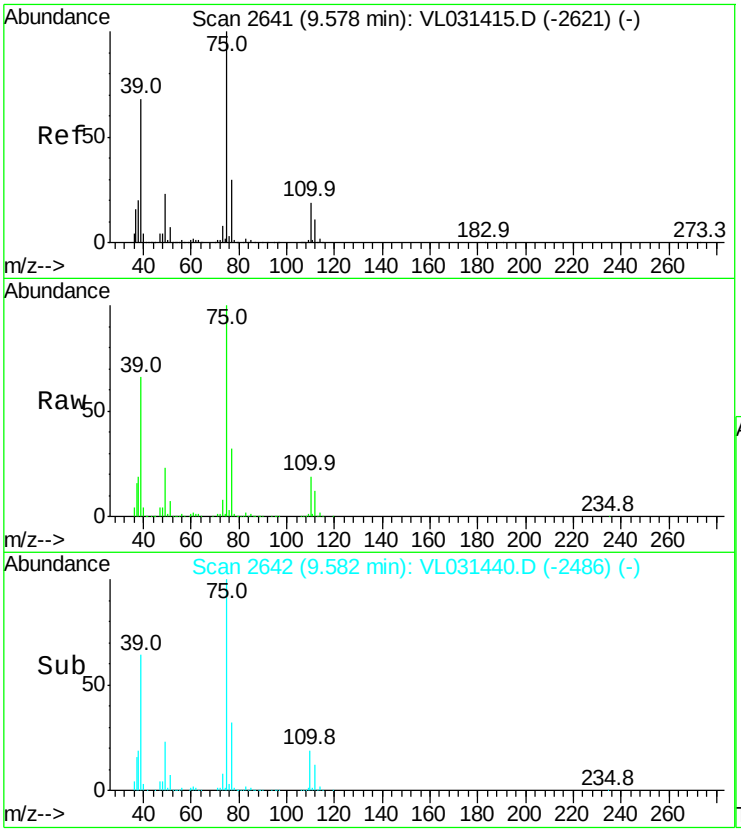


#44
2,2,4-Trimethylpentane
Concen: 9.92 ppbv
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 57 Resp: 4207075

Ion	Ratio	Lower	Upper
57	100		
41	36.6	28.8	43.2
56	30.8	24.6	37.0



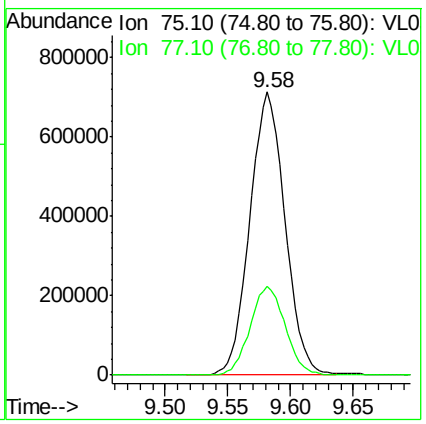


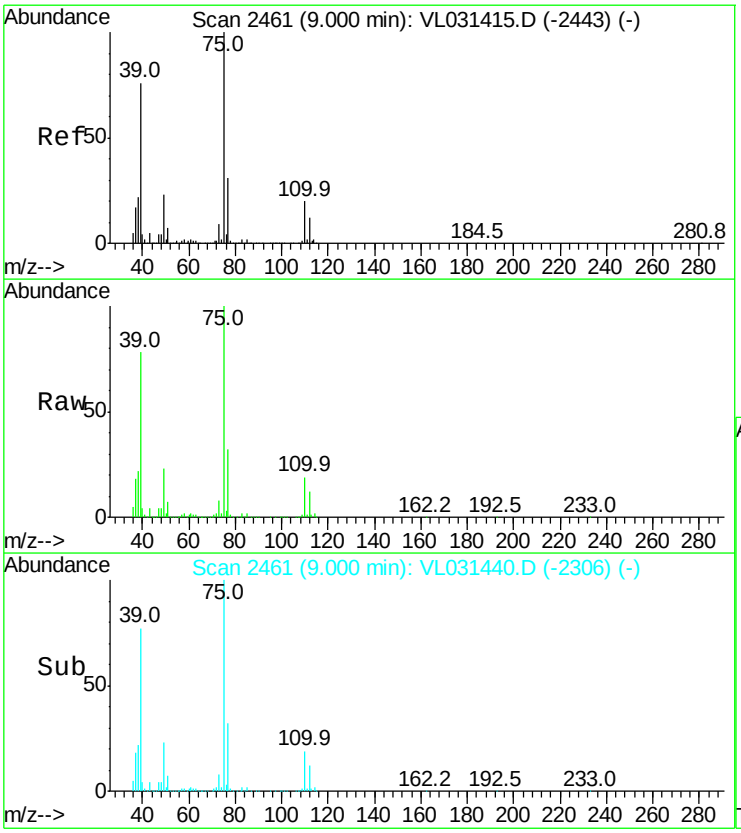
#45
t-1,3-Dichloropropene
Concen: 10.68 ppbv
RT: 9.58 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 75 Resp: 1391818

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9

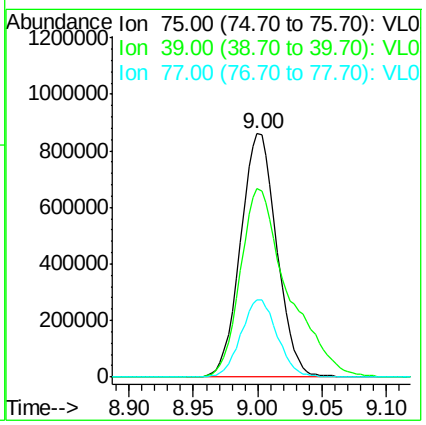


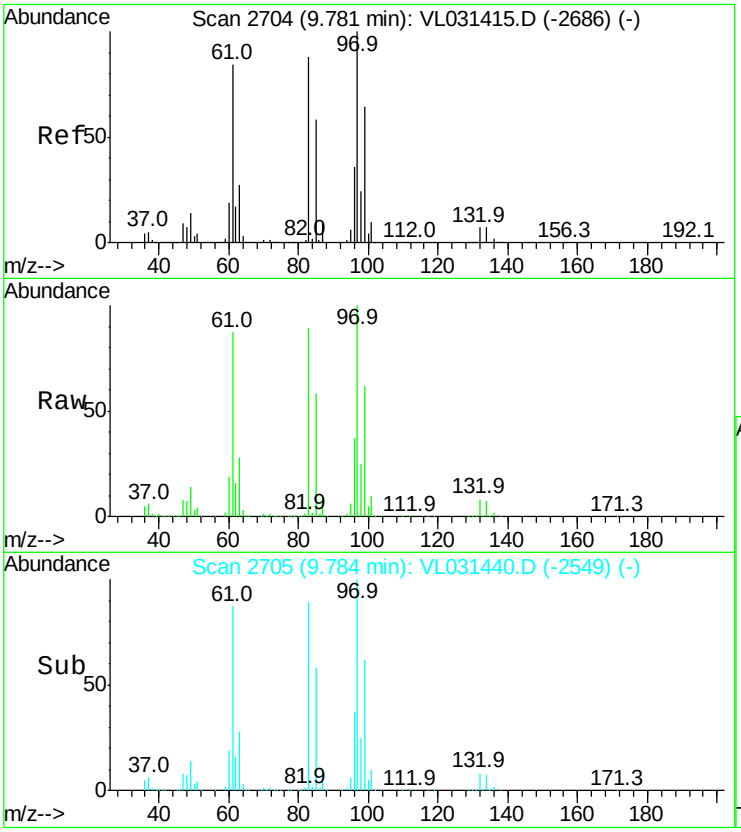


#46
cis-1,3-Dichloropropene
Concen: 10.54 ppbv
RT: 9.00 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 75 Resp: 1685423

Ion	Ratio	Lower	Upper
75	100		
39	77.5	59.4	89.0
77	31.6	25.0	37.4



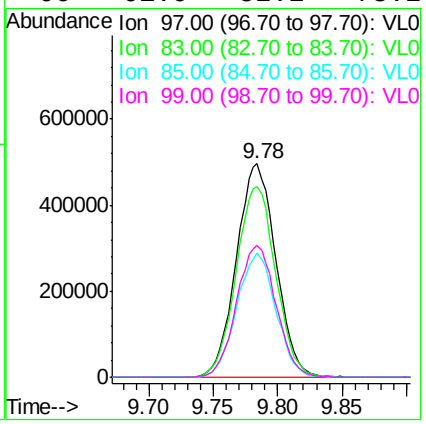


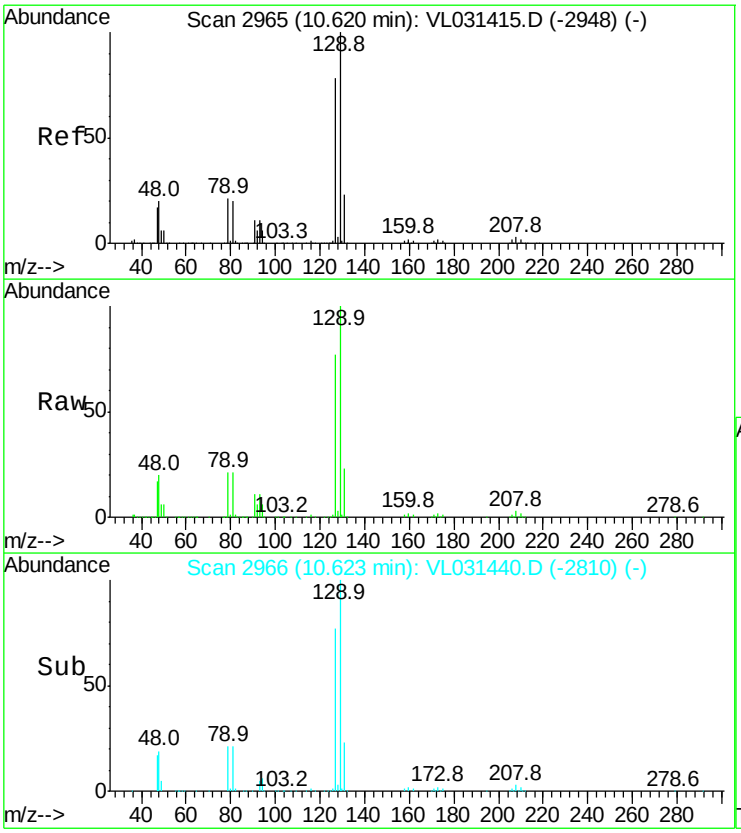
#47
1,1,2-Trichloroethane
Concen: 9.63 ppbv
RT: 9.78 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 97 Resp: 1057942

Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.4	107.2
85	57.9	46.2	69.2
99	61.9	52.2	78.2

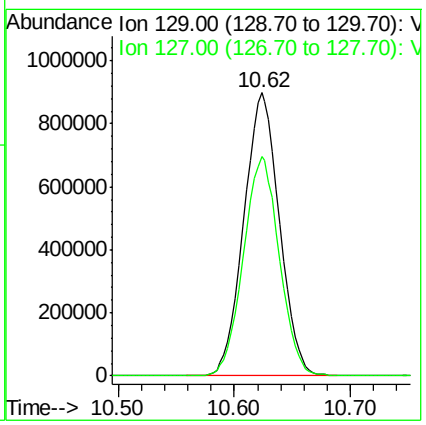


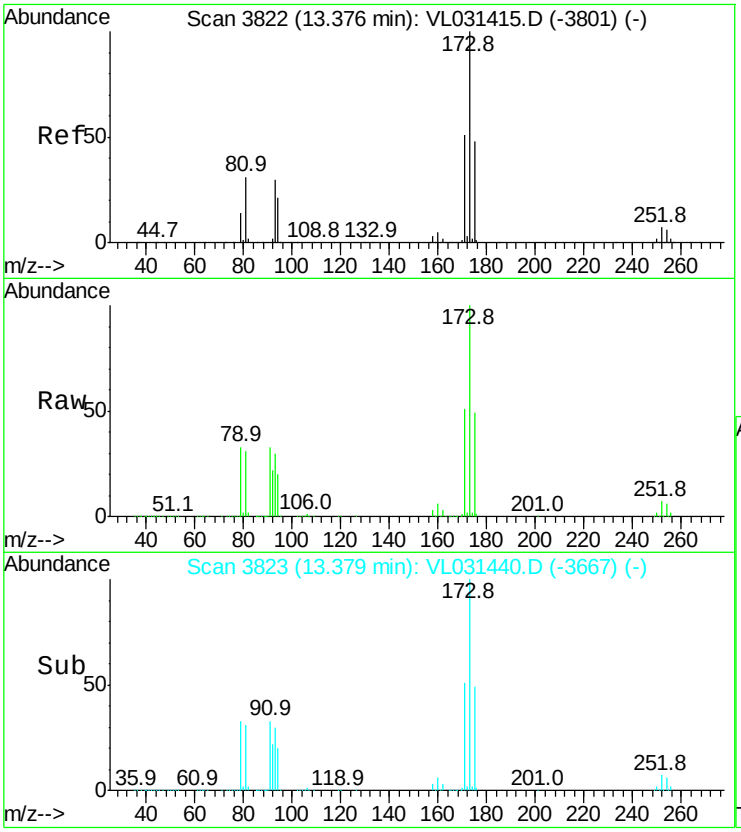


#48
Dibromochloromethane
Concen: 9.84 ppbv
RT: 10.62 min Scan# 2966
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion:129 Resp: 1923221

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.4	118.1



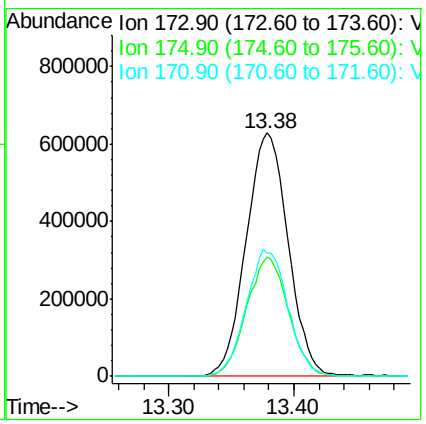


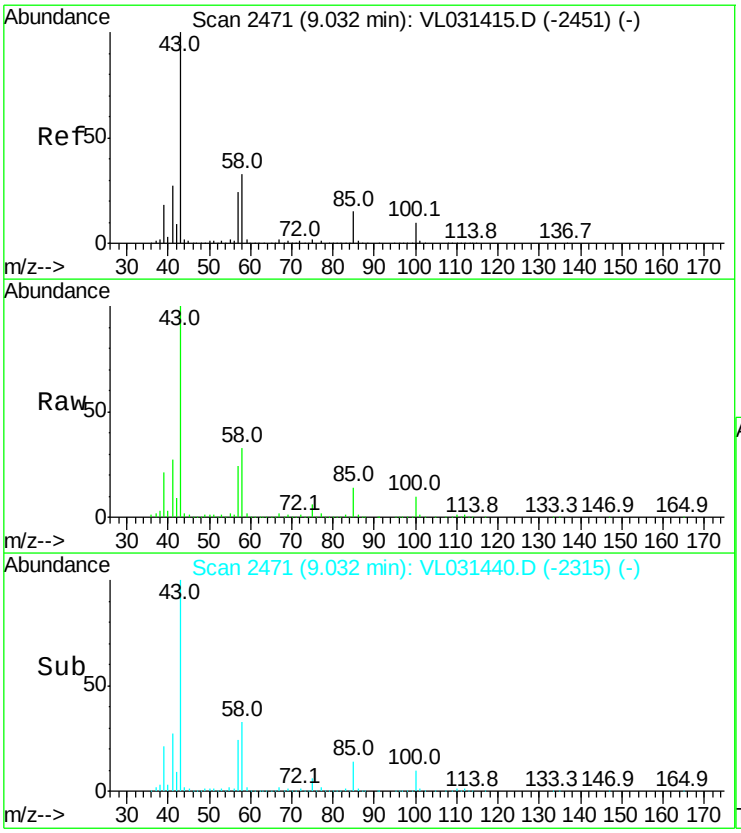
#49
Bromoform
Concen: 9.83 ppbv
RT: 13.38 min Scan# 3823
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 1461828

Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.0	58.4
171	52.1	42.0	63.0

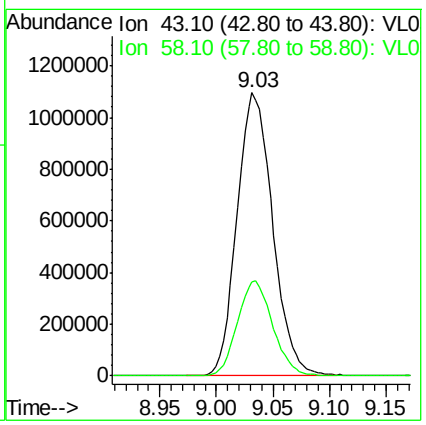


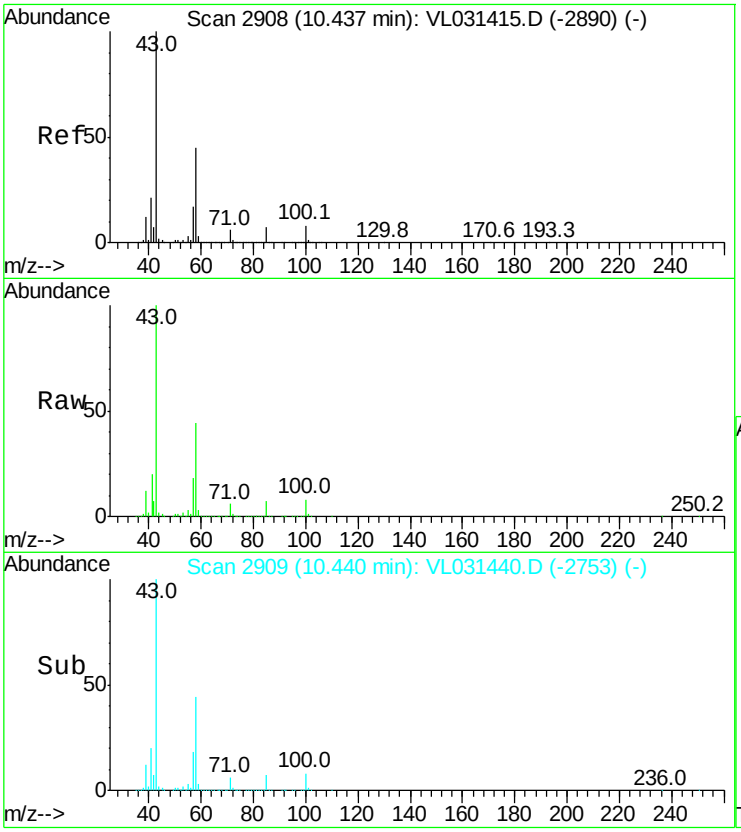


#50
4-Methyl-2-Pentanone
Concen: 10.12 ppbv
RT: 9.03 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 43 Resp: 2409116

Ion	Ratio	Lower	Upper
43	100		
58	33.2	27.1	40.7



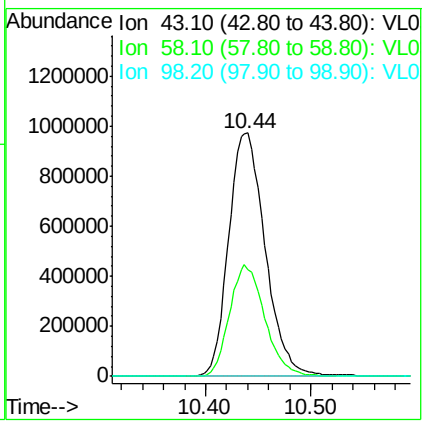


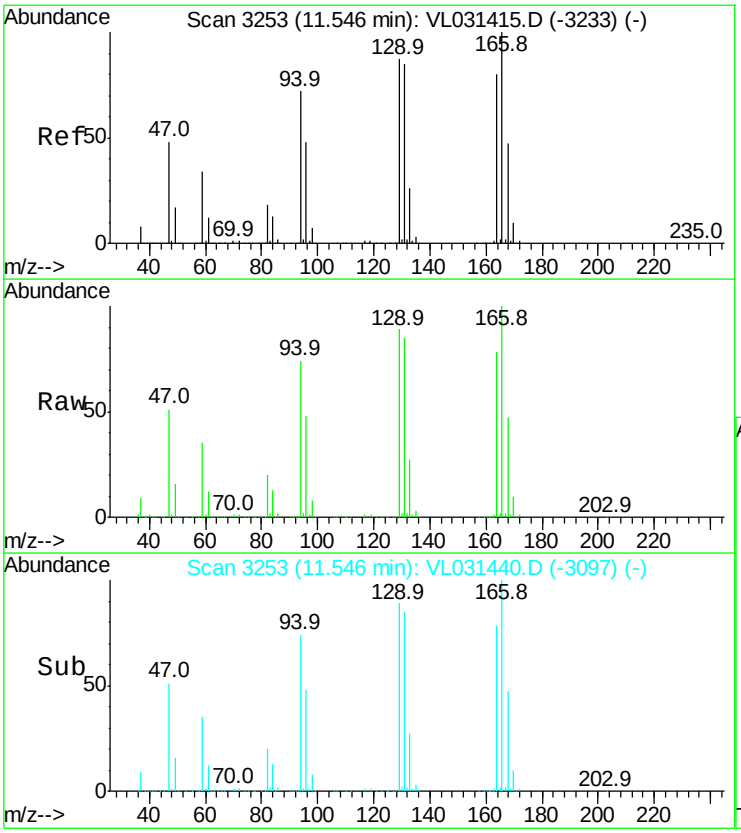
#51
2-Hexanone
Concen: 10.27 ppbv
RT: 10.44 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2332507

Ion	Ratio	Lower	Upper
43	100		
58	44.6	36.2	54.4
98	0.2	0.1	0.1#

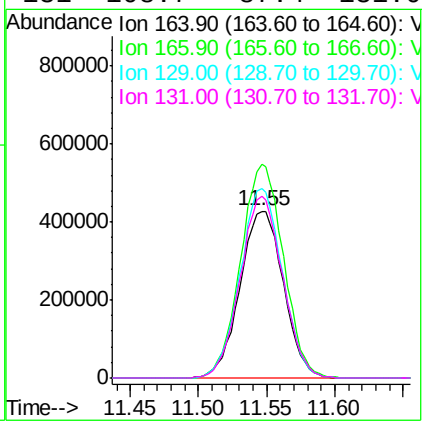


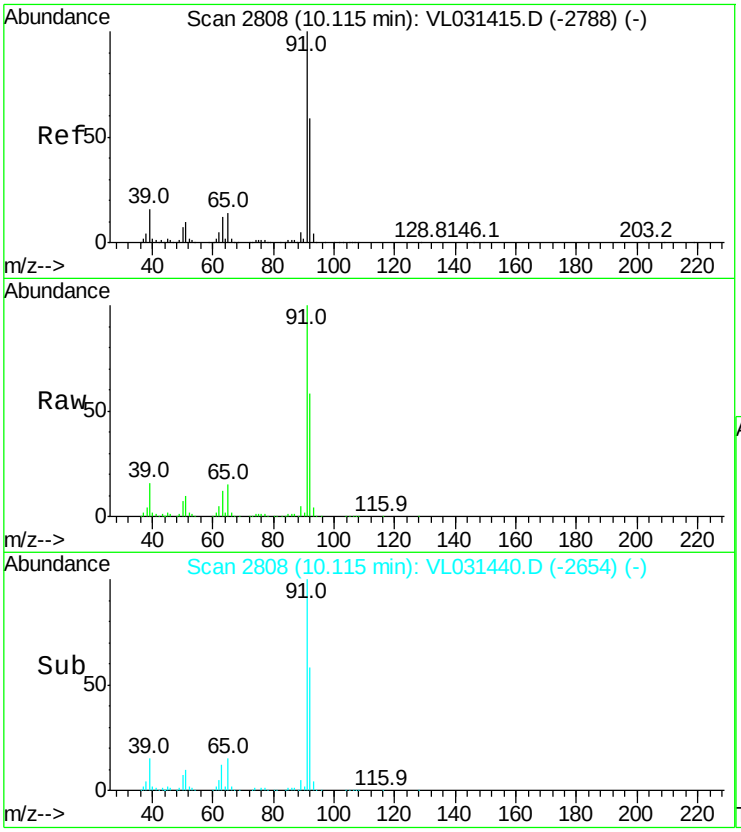


#52
Tetrachloroethene
Concen: 10.12 ppbv
RT: 11.55 min Scan# 3253
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion:164 Resp: 944549

Ion	Ratio	Lower	Upper
164	100		
166	127.8	100.2	150.2
129	113.6	91.4	137.0
131	108.7	87.4	131.0



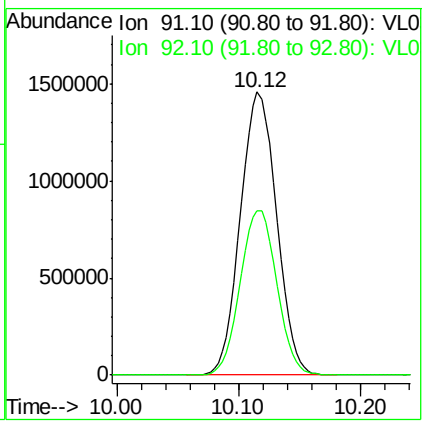


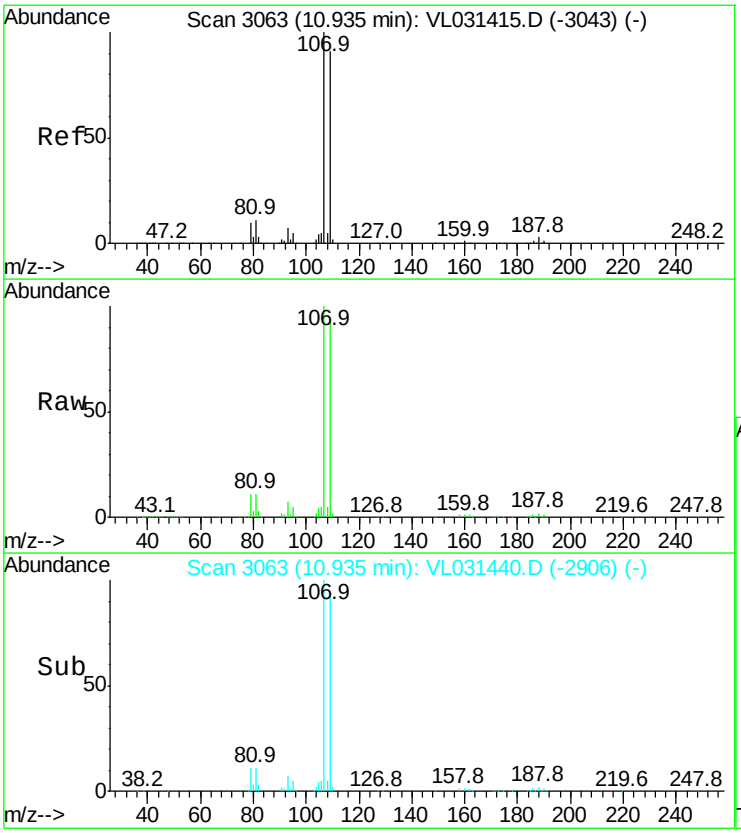
#53
Toluene
Concen: 10.19 ppbv
RT: 10.12 min Scan# 2808
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2989704

Ion	Ratio	Lower	Upper
91	100		
92	58.8	47.8	71.6

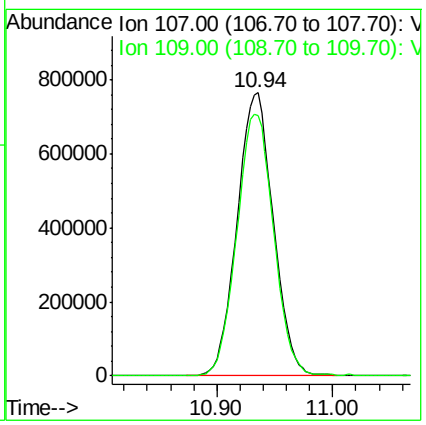


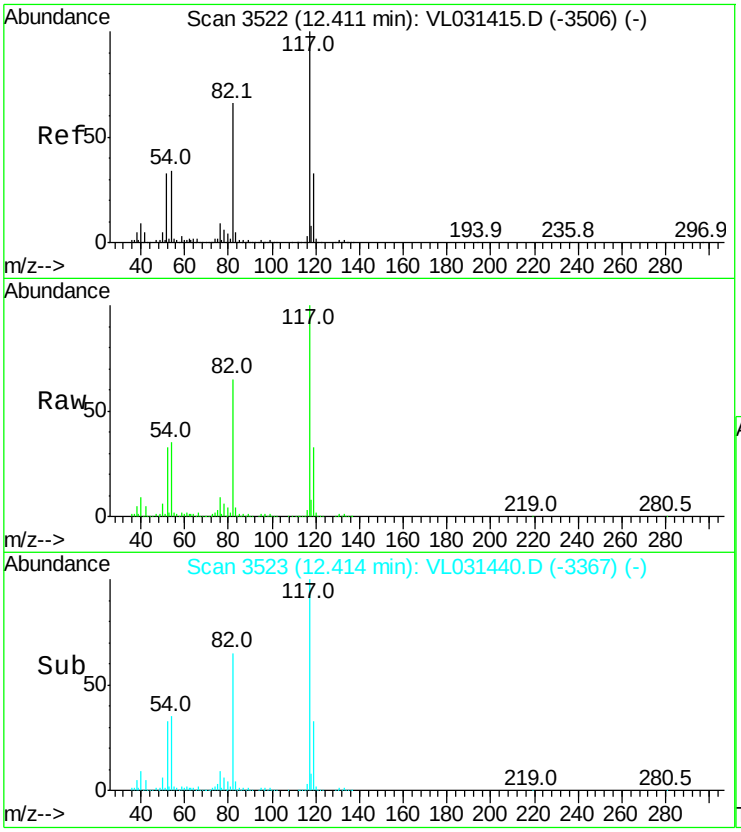


#54
1,2-Dibromoethane
Concen: 9.74 ppbv
RT: 10.94 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion:107 Resp: 1662057

Ion	Ratio	Lower	Upper
107	100		
109	92.2	75.5	113.3



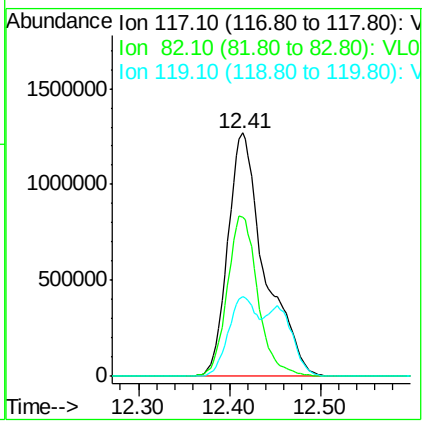


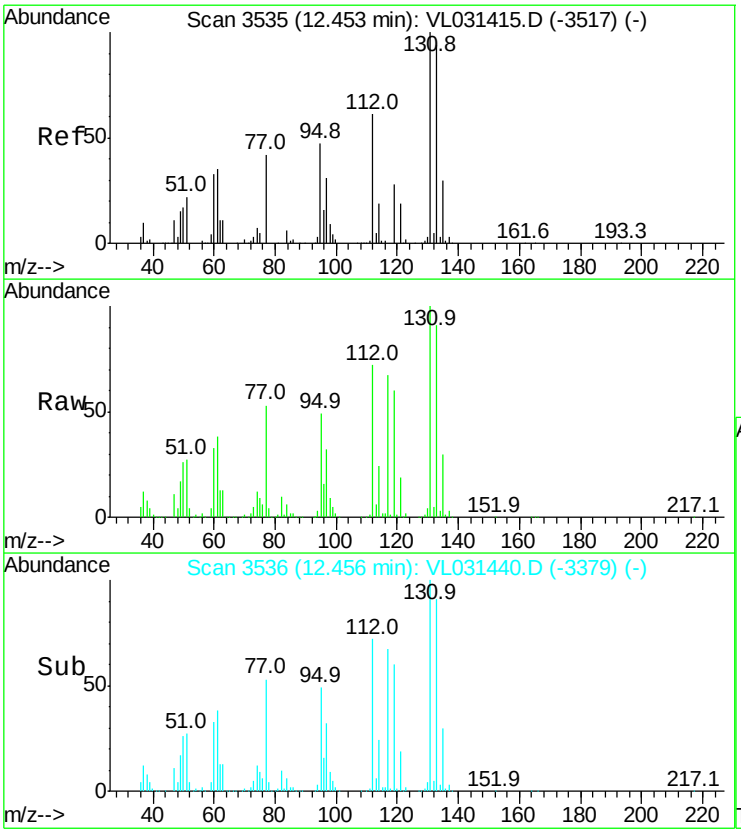
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3523
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 3578603

Ion	Ratio	Lower	Upper
117	100		
82	54.8	51.8	77.6
119	25.0	24.2	36.2

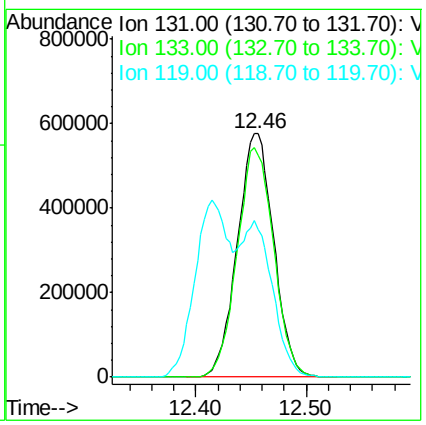


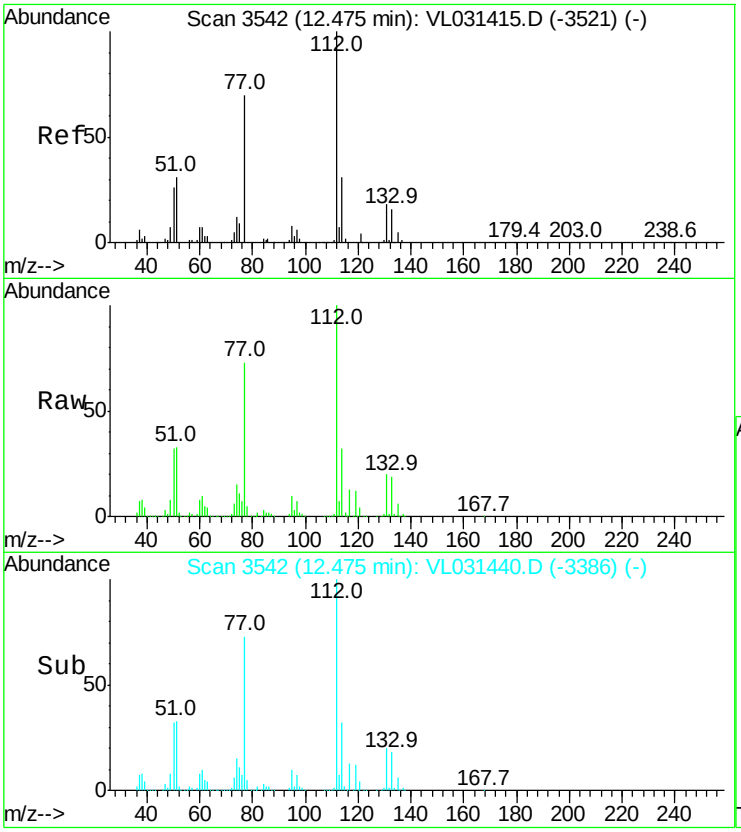


#56
1,1,1,2-Tetrachloroethane
Concen: 7.73 ppbv
RT: 12.46 min Scan# 3536
Delta R.T. 0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion:131 Resp: 1313470

Ion	Ratio	Lower	Upper
131	100		
133	94.8	76.9	115.3
119	55.3	47.7	71.5



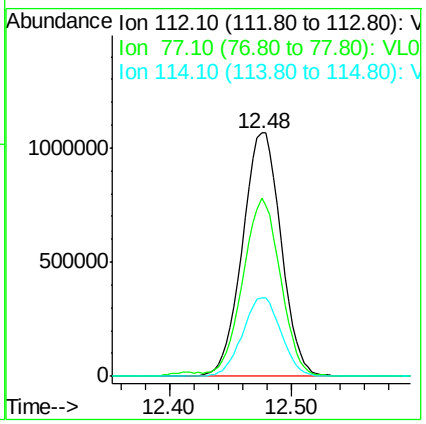


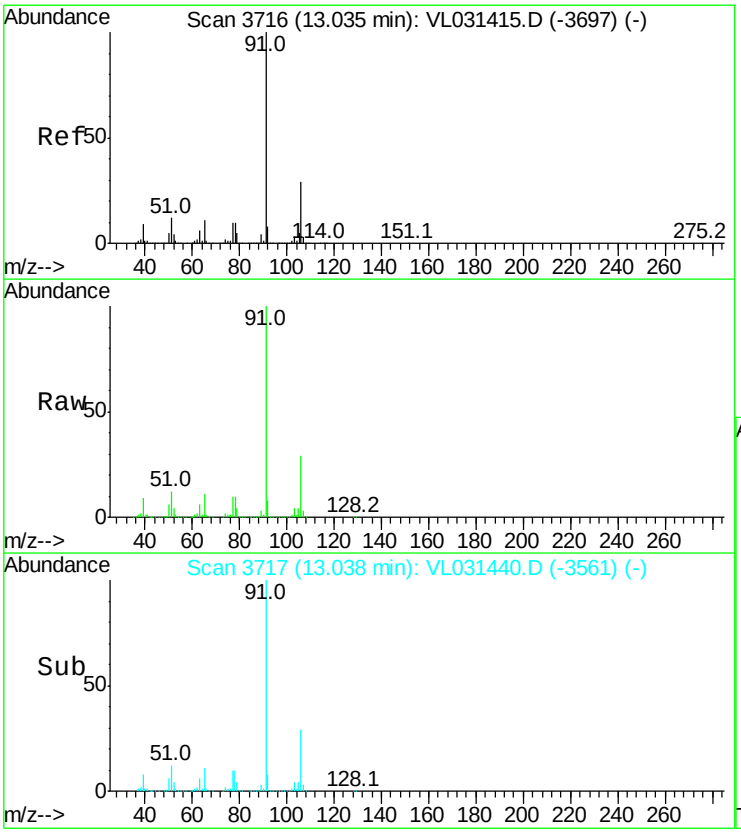
#57
Chlorobenzene
Concen: 7.53 ppbv
RT: 12.48 min Scan# 3542
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:112 Resp: 2332304

Ion	Ratio	Lower	Upper
112	100		
77	73.0	56.0	84.0
114	32.5	29.1	35.5

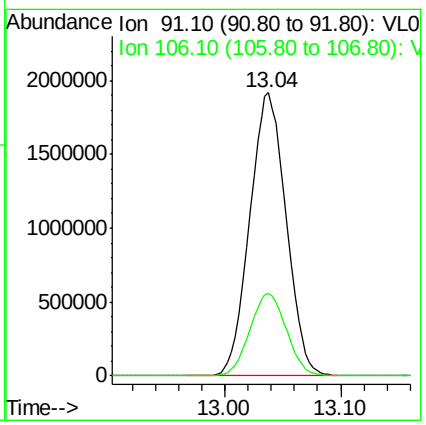


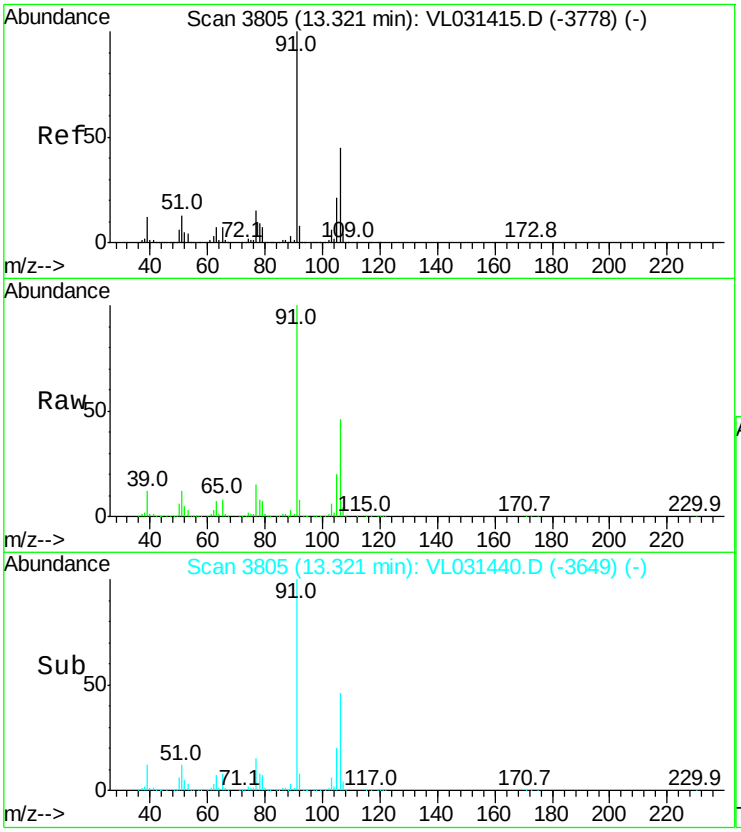


#58
Ethyl Benzene
Concen: 7.98 ppbv
RT: 13.04 min Scan# 3717
Delta R.T. 0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 91 Resp: 4185402

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.8	35.6



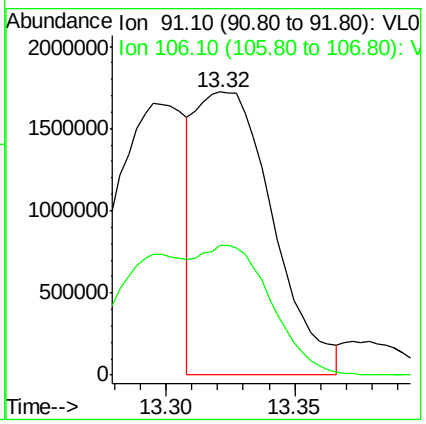


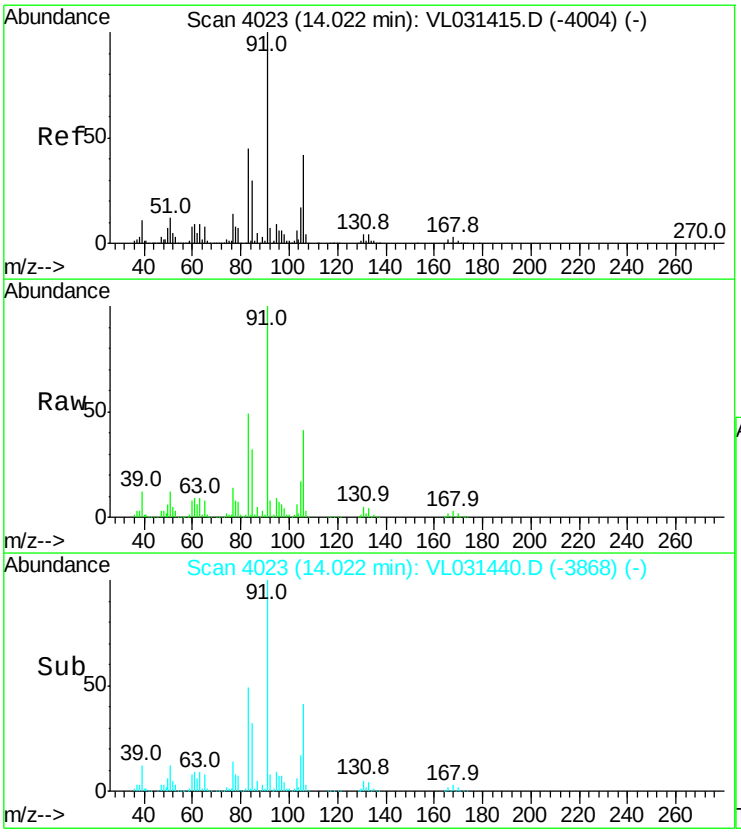
#59
m/p-Xylene
Concen: 7.97 ppbv
RT: 13.32 min Scan# 3805
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 3575523

Ion	Ratio	Lower	Upper
91	100		
106	85.4	35.6	53.4#

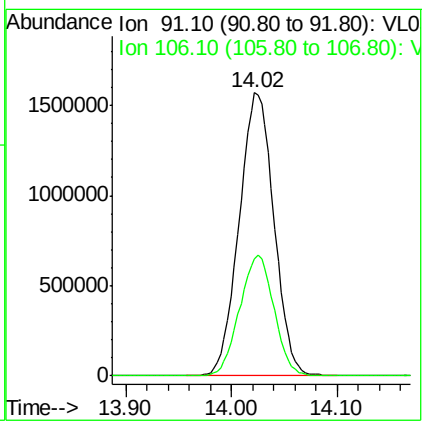


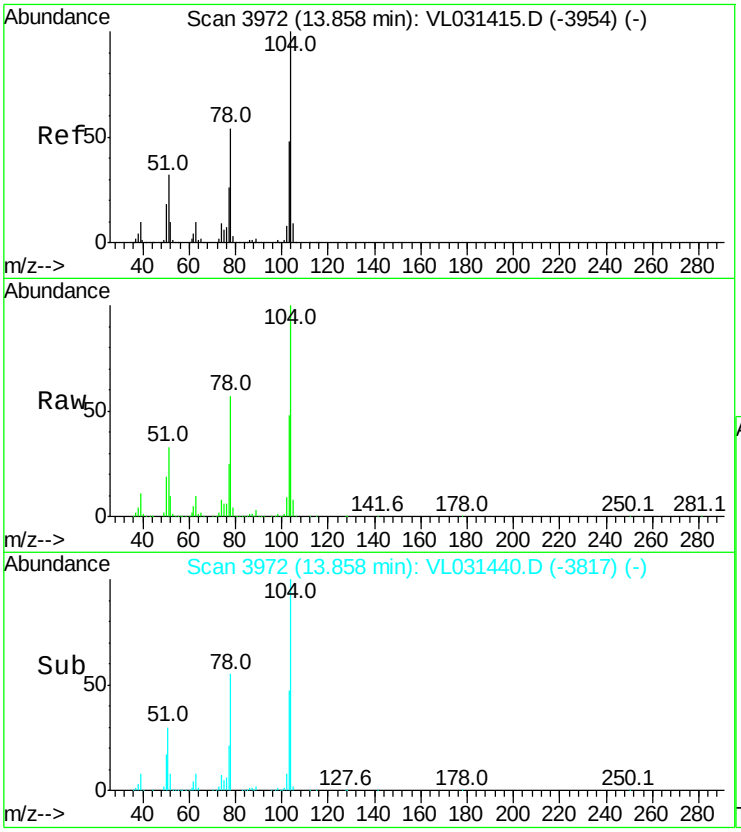


#60
o-Xylene
Concen: 8.02 ppbv
RT: 14.02 min Scan# 4023
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 91 Resp: 3599731

Ion	Ratio	Lower	Upper
91	100		
106	42.2	21.3	64.0



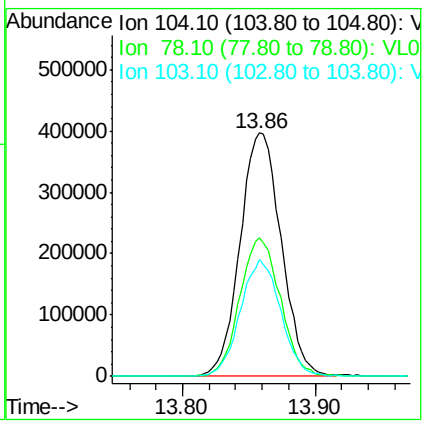


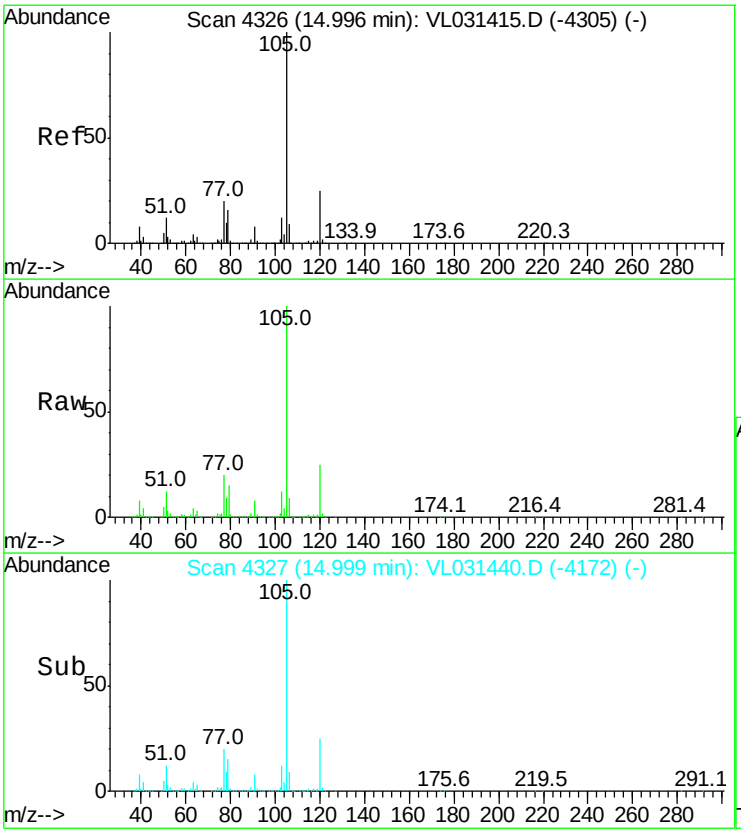
#61
Styrene
Concen: 8.79 ppbv
RT: 13.86 min Scan# 3972
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:104 Resp: 857316

Ion	Ratio	Lower	Upper
104	100		
78	56.0	45.4	68.0
103	47.0	38.6	57.8





#62
Isopropylbenzene
Concen: 7.88 ppbv
RT: 15.00 min Scan# 4327
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion:105 Resp: 4436973

Ion	Ratio	Lower	Upper
105	100		
120	24.6	19.9	29.9