Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071218\
Data File : VL032230.D
Acq On : 12 Jul 2018 19:25
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Jul 13 03:38:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 13 03:36:40 2018
QLast Update : Fri Jul 13 03:36:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1858315	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	4207027	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4876509	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.67	95	3812183	10.18	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.13	85	292149	1.161	ppbv	93
3) Chlorodifluoromethane	3.07	51	262649	1.126	ppbv	99
4) Chloromethane	3.22	50	130762	1.036	ppbv	94
5) Vinyl Chloride	3.35	62	139826	1.113	ppbv	98
6) Bromomethane	3.57	94	72021	1.004	ppbv	96
7) Chloroethane	3.66	64	45997	1.029	ppbv	96
8) Dichlorotetrafluoroethane	3.27	85	352886	1.257	ppbv	97
9) Propene	3.09	41	102704	0.960	ppbv	99
10) Heptane	8.33	43	266564	0.866	ppbv	98
11) Trichlorofluoromethane	4.07	101	272542	1.037	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.62	101	178880	1.027	ppbv	100
13) Ethanol	3.71	45	25468	0.800	ppbv	82
14) Bromoethene	3.85	108	82179	0.995	ppbv	93
15) Acetone	3.97	43	229244	1.061	ppbv	96
16) 1,3-Butadiene	3.42	39	108886	1.013	ppbv	100
17) tert-Butyl alcohol	4.43	59	52245	0.396	ppbv #	72
18) 1,1-Dichloroethene	4.42	96	79534	0.962	ppbv	93
19) Isopropyl Alcohol	4.10	45	150461	0.862	ppbv #	94
20) Methylene Chloride	4.48	84	78490	1.000	ppbv	95
21) Allyl Chloride	4.54	41	122758	0.846	ppbv	97
22) trans-1,2-Dichloroethene	5.04	96	68429	0.785	ppbv	93
23) Vinyl Acetate	5.23	43	361800	0.920	ppbv	98
24) 1,1-Dichloroethane	5.16	63	266806	1.049	ppbv	98
25) Ethyl Acetate	5.85	43	444289	0.990	ppbv	100
26) Hexane	5.86	57	202320	0.977	ppbv	97
27) Carbon Disulfide	4.69	76	179878	0.892	ppbv	99
28) Methyl tert-Butyl Ether	5.20	73	313167	0.868	ppbv	99
29) Chloroform	5.92	83	314059	1.041	ppbv	92
30) Cyclohexane	7.33	84	172696	0.872	ppbv #	74
31) cis-1,2-Dichloroethene	5.71	61	192744	0.926	ppbv	97
32) 1,1,1-Trichloroethane	6.70	97	142216	0.443	ppbv #	15
34) 2-Butanone	5.41	43	295963	1.110	ppbv	100
35) Carbon Tetrachloride	7.22	117	293367	1.008	ppbv	93
36) Benzene	7.09	78	433666	1.048	ppbv	95
37) 1,2-Dichloroethane	6.49	62	241668	1.166	ppbv	99
38) Trichloroethene	8.05	130	141875	0.906	ppbv	90
39) 1,2-Dichloropropane	7.82	63	171053	1.058	ppbv	97
40) 1,4-Dioxane	8.07	88	26004	0.430	ppbv #	1
41) Tetrahydrofuran	6.24	42	78072	0.485	ppbv #	36
42) Bromodichloromethane	8.00	83	334086	1.059	ppbv	97
43) Methyl Methacrylate	8.23	69	153991	0.919	ppbv	97

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071218\
Data File : VL032230.D
Acq On : 12 Jul 2018 19:25
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Jul 13 03:38:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 13 03:36:40 2018
QLast Update : Fri Jul 13 03:36:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	754970	1.066	ppbv		98
45) t-1,3-Dichloropropene	9.50	75	101289	0.483	ppbv		94
46) cis-1,3-Dichloropropene	8.93	75	256340	1.016	ppbv		98
47) 1,1,2-Trichloroethane	9.70	97	196122	1.175	ppbv		94
48) Dibromochloromethane	10.54	129	284295	1.106	ppbv		99
49) Bromoform	13.30	173	226495	1.058	ppbv		98
50) 4-Methyl-2-Pentanone	8.97	43	519963	1.170	ppbv		100
51) 2-Hexanone	10.38	43	411942	1.119	ppbv	#	100
52) Tetrachloroethene	11.47	164	160025	1.086	ppbv		97
53) Toluene	10.04	91	505166	1.035	ppbv		99
54) 1,2-Dibromoethane	10.85	107	292810	1.170	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.37	131	230379	1.061	ppbv	#	1
57) Chlorobenzene	12.40	112	457728	1.089	ppbv		99
58) Ethyl Benzene	12.96	91	760981	0.971	ppbv		89
59) m/p-Xylene	13.24	91	604313	0.960	ppbv	#	27
60) o-Xylene	13.94	91	639776	1.022	ppbv		99
61) Styrene	13.78	104	450034	0.887	ppbv		99
62) Isopropylbenzene	14.92	105	886845	0.929	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.93	83	521064	1.067	ppbv		100
64) n-propylbenzene	15.81	120	153780	0.621	ppbv	#	5
65) tert-Butylbenzene	17.00	119	757194	0.904	ppbv		98
66) Benzyl Chloride	17.25	91	165283	0.326	ppbv	#	75
67) sec-Butylbenzene	17.56	105	1090771	0.887	ppbv		99
69) p-Isopropyltoluene	17.91	119	847773	0.863	ppbv		99
70) n-Butylbenzene	18.81	91	916599	0.885	ppbv		98
71) 2-Chlorotoluene	15.71	91	685596	0.923	ppbv		100
72) 4-Ethyltoluene	16.09	105	694458	0.863	ppbv		99
73) 1,3,5-Trimethylbenzene	16.25	105	634253	0.837	ppbv		94
74) 1,2,4-Trimethylbenzene	17.02	105	666665	0.871	ppbv		94
75) 1,3-Dichlorobenzene	17.26	146	415198	0.959	ppbv		98
76) 1,4-Dichlorobenzene	17.40	146	391932	0.896	ppbv		99
77) 1,2-Dichlorobenzene	18.08	146	399771	0.927	ppbv		99
78) Hexachloro-1,3-Butadiene	23.64	225	122337	0.831	ppbv		97
79) Naphthalene	22.53	128	295287	0.432	ppbv	#	94
80) Naphthalene,2-methyl-	25.19	142	16615	0.069	ppbv		94
81) 1,2,4-Trichlorobenzene	22.24	180	86295	0.281	ppbv	#	10

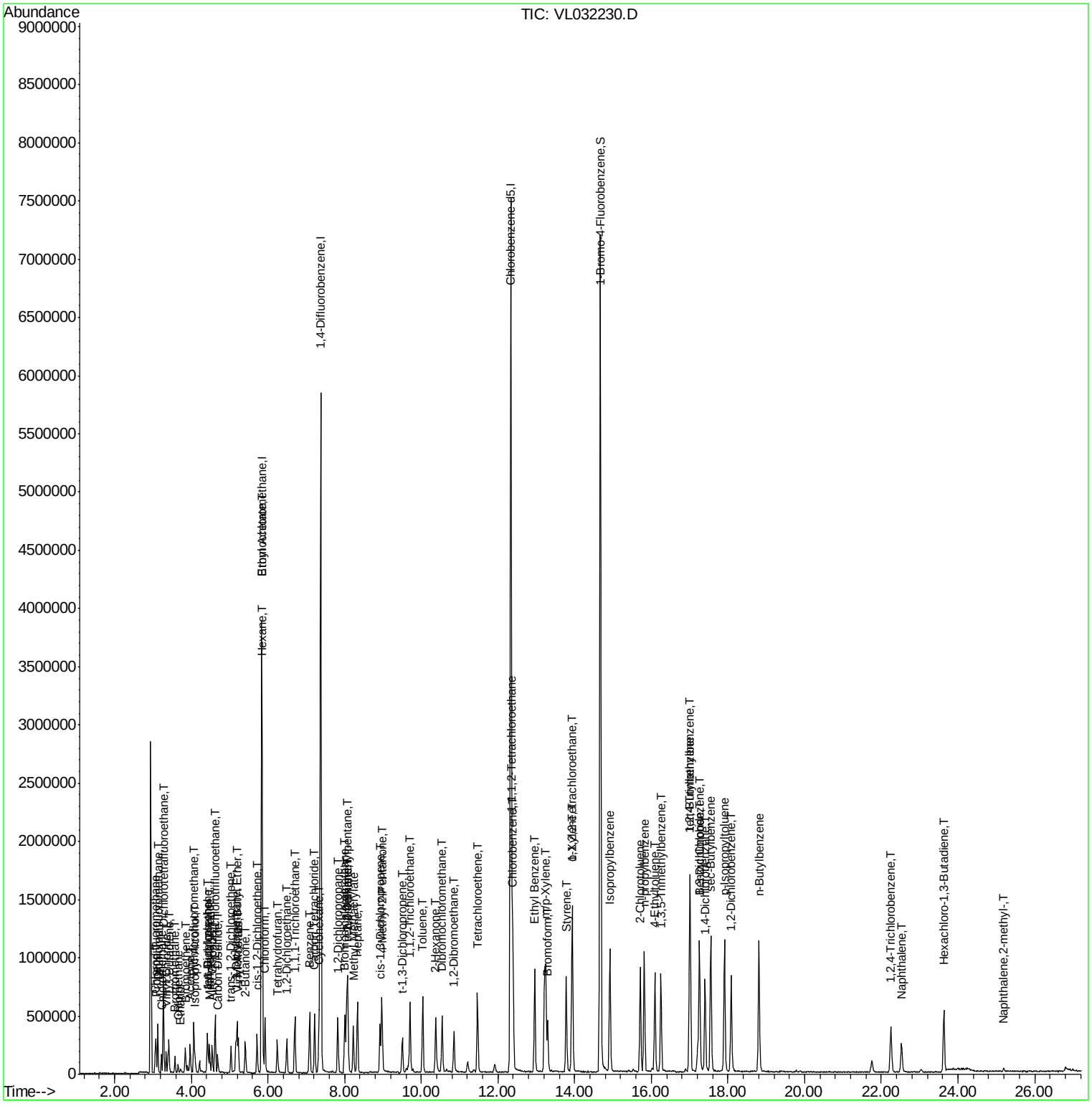
(#) = qualifier out of range (m) = manual integration (+) = signals summed

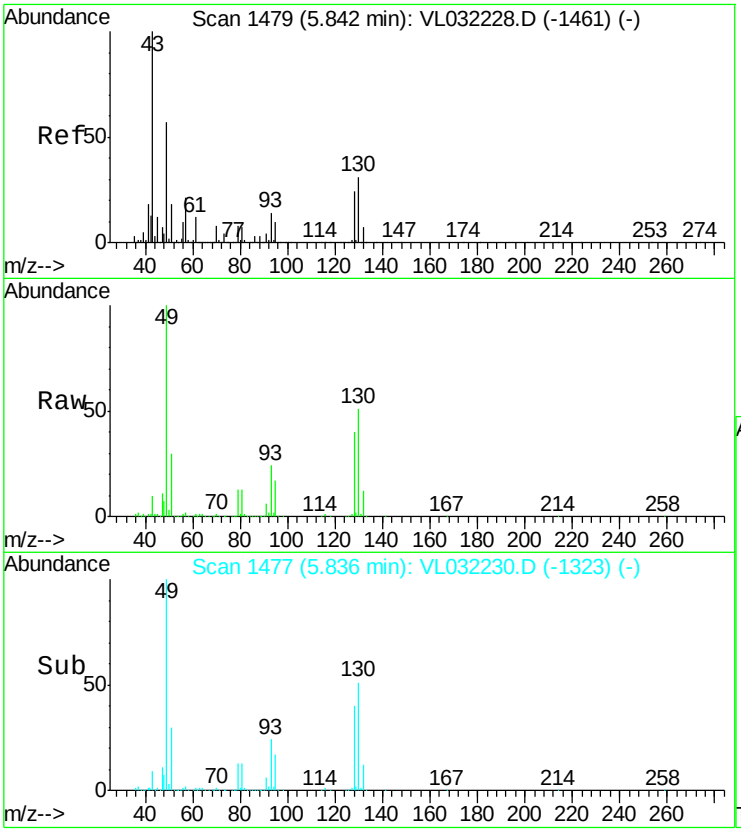
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071218\
Data File : VL032230.D
Acq On : 12 Jul 2018 19:25
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Jul 13 03:38:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 13 03:36:40 2018
QLast Update : Fri Jul 13 03:36:40 2018
Response via : Initial Calibration



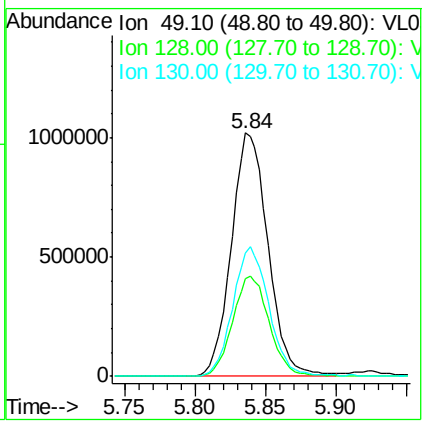


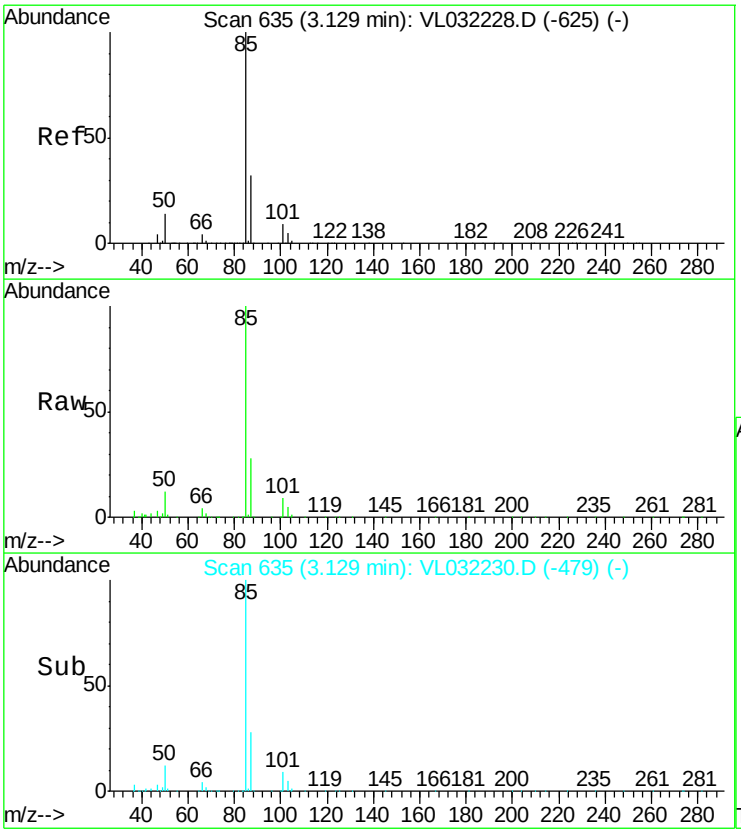
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 1858315

Ion	Ratio	Lower	Upper
49	100		
128	41.4	20.9	62.8
130	52.7	27.0	81.0

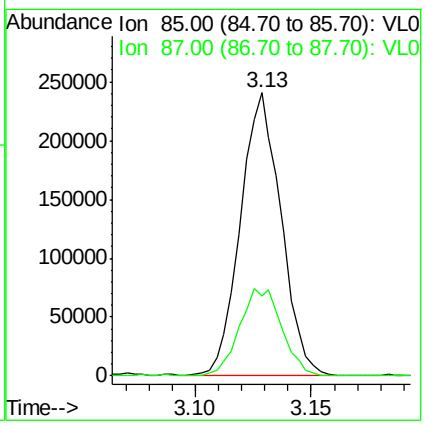


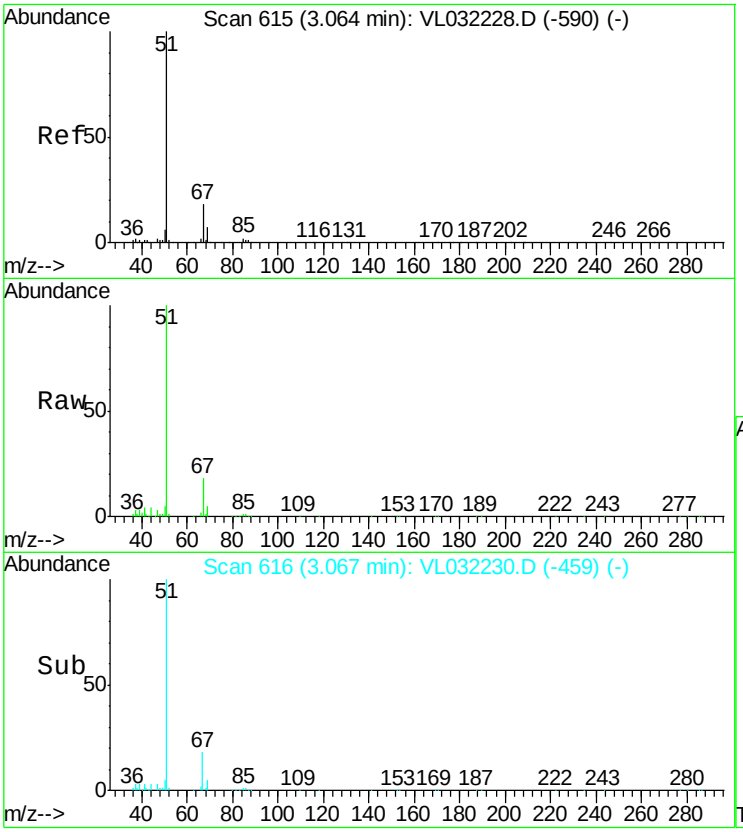


#2
Dichlorodifluoromethane
Concen: 1.161 ppbv
RT: 3.13 min Scan# 635
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 85 Resp: 292149

Ion	Ratio	Lower	Upper
85	100		
87	28.1	25.8	38.6



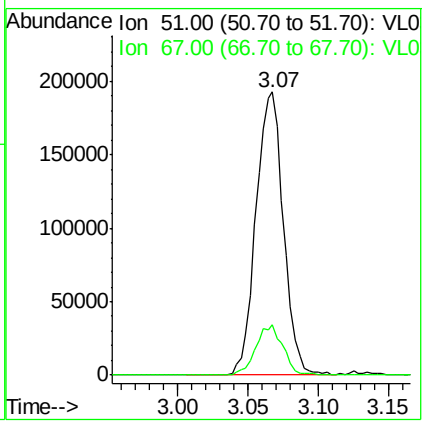


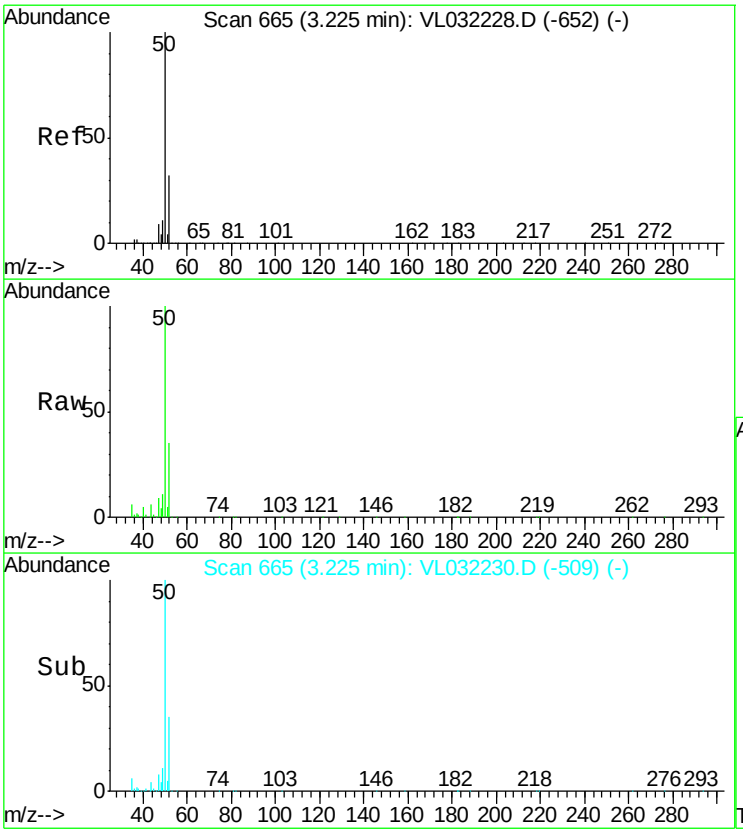
#3
Chlorodifluoromethane
Concen: 1.126 ppbv
RT: 3.07 min Scan# 616
Delta R.T. 0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 262649

Ion	Ratio	Lower	Upper
51	100		
67	17.6	14.6	22.0

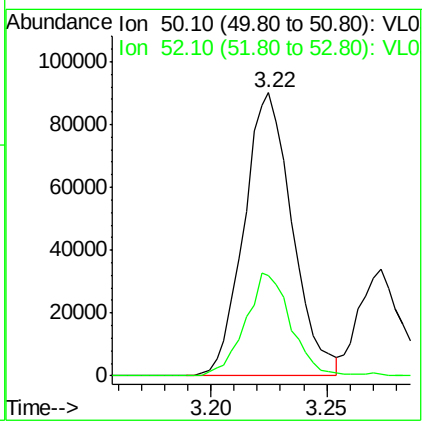


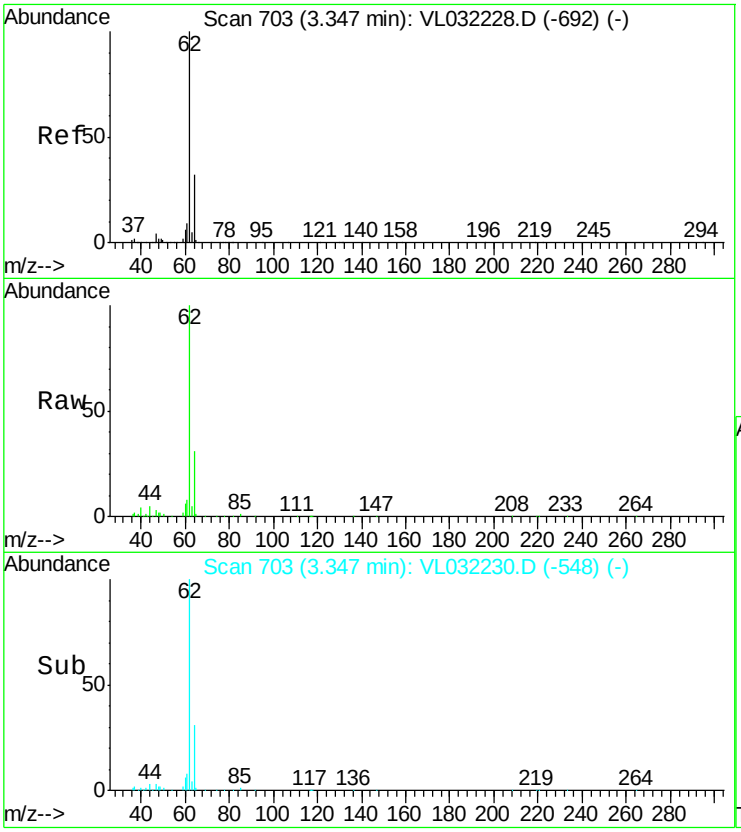


#4
Chloromethane
Concen: 1.036 ppbv
RT: 3.22 min Scan# 665
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 50 Resp: 130762

Ion	Ratio	Lower	Upper
50	100		
52	35.4	25.7	38.5



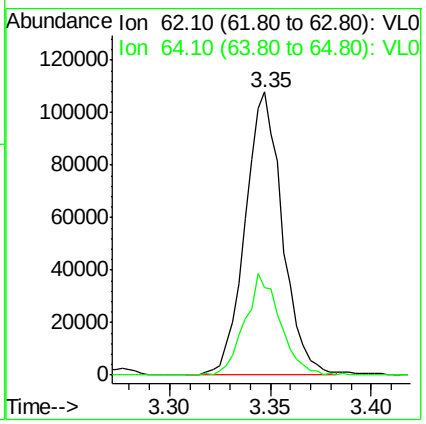


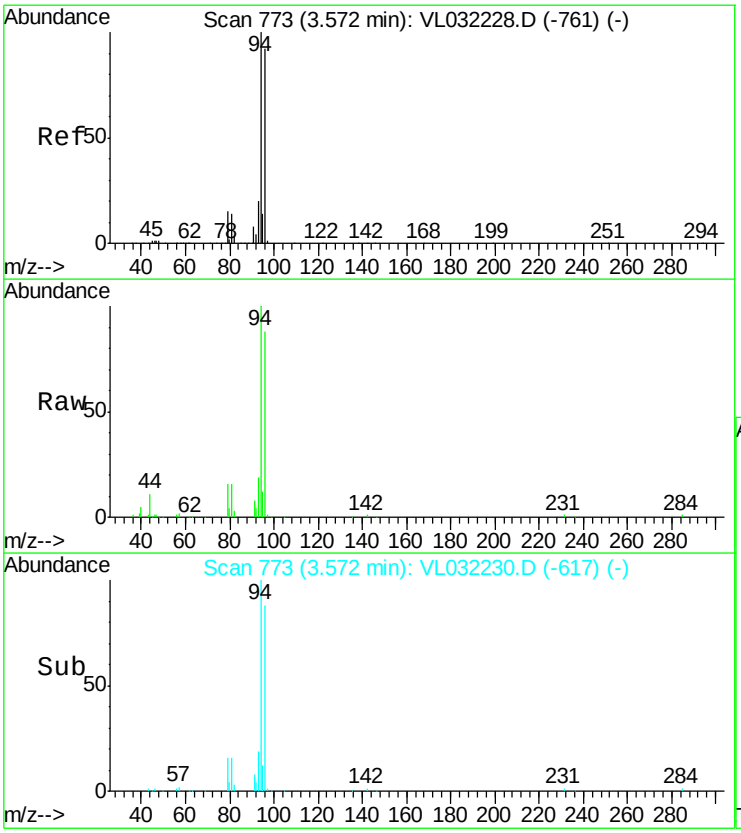
#5
Vinyl Chloride
Concen: 1.113 ppbv
RT: 3.35 min Scan# 703
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 139826

Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.8	38.6

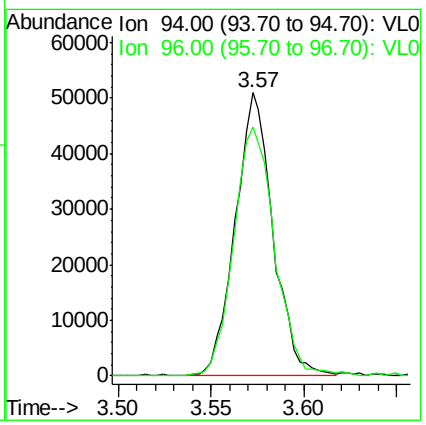


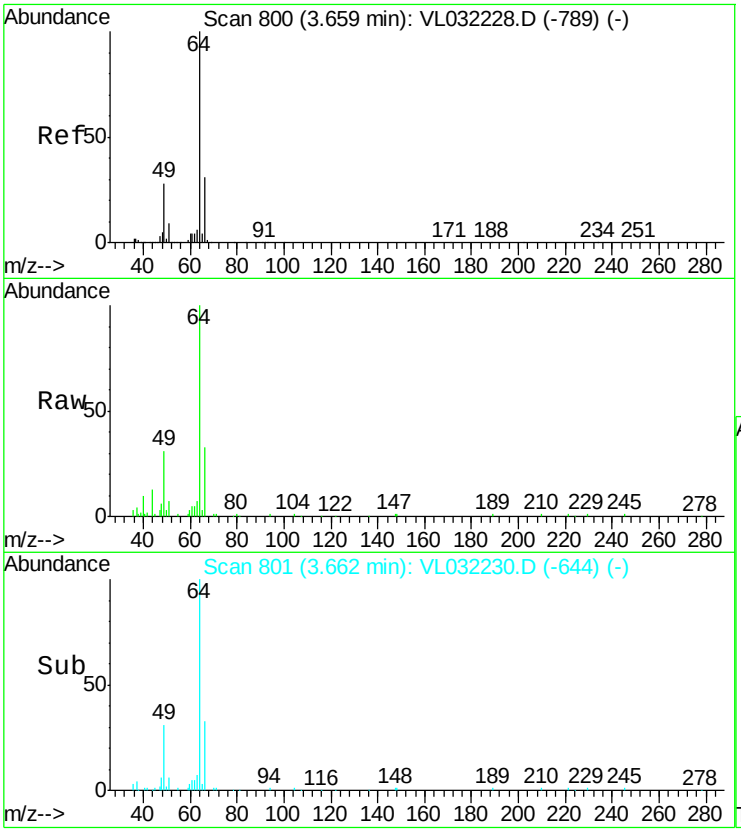


#6
Bromomethane
Concen: 1.004 ppbv
RT: 3.57 min Scan# 773
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 94 Resp: 72021

Ion	Ratio	Lower	Upper
94	100		
96	87.9	73.5	110.3



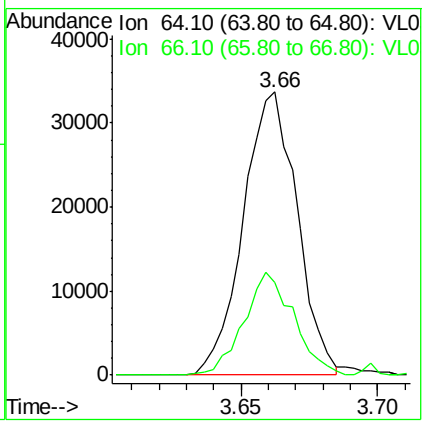


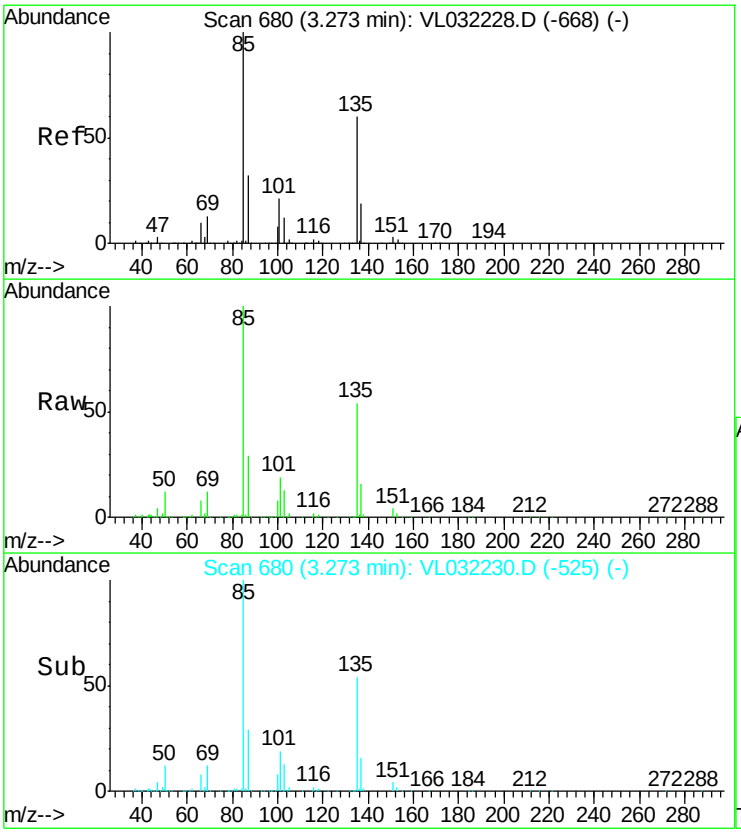
#7
Chloroethane
Concen: 1.029 ppbv
RT: 3.66 min Scan# 801
Delta R.T. 0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 45997

Ion	Ratio	Lower	Upper
64	100		
66	32.8	24.4	36.6

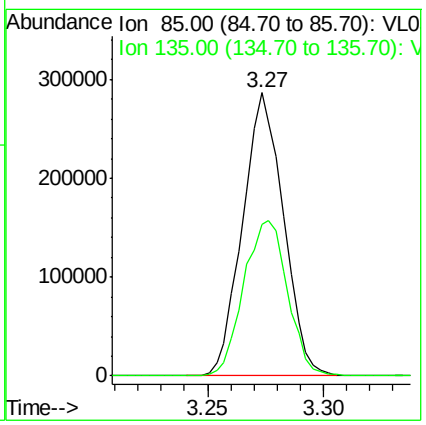


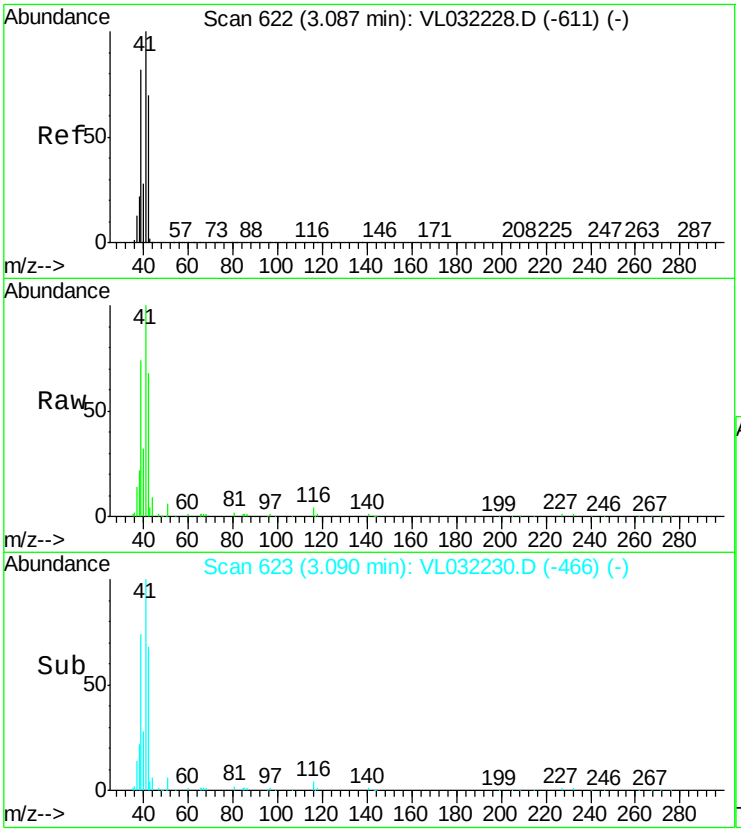


#8
Dichlorotetrafluoroethane
Concen: 1.257 ppbv
RT: 3.27 min Scan# 680
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 85 Resp: 352886

Ion	Ratio	Lower	Upper
85	100		
135	58.6	48.6	72.8



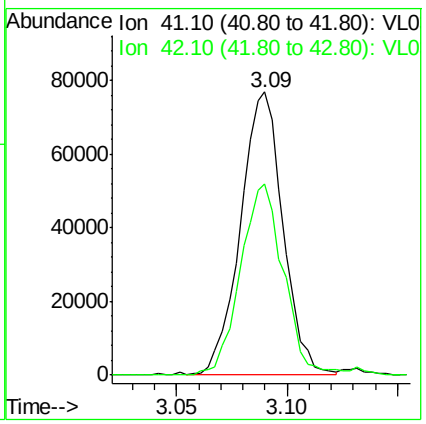


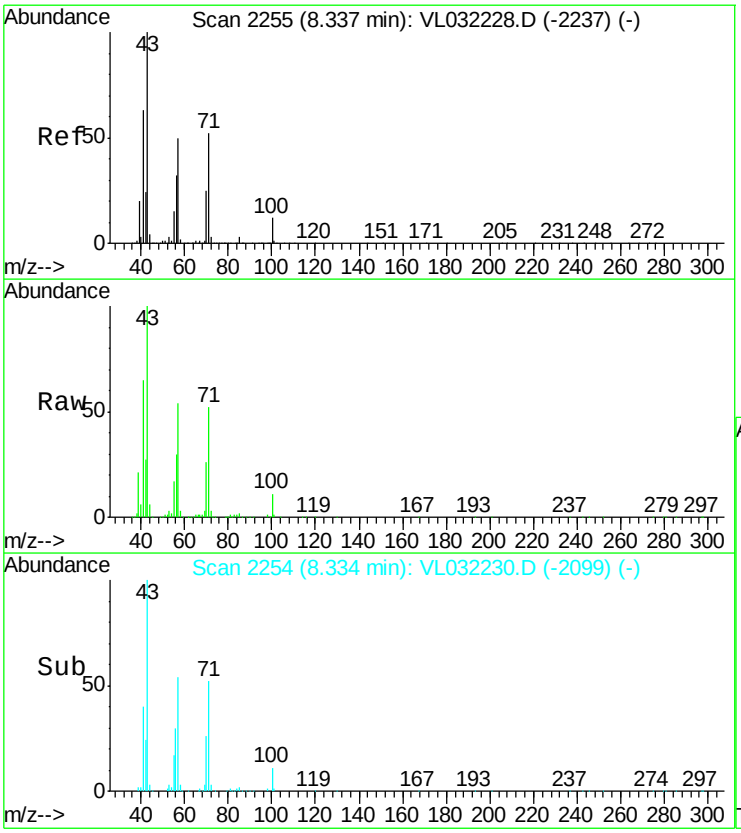
#9
Propene
Concen: 0.960 ppbv
RT: 3.09 min Scan# 623
Delta R.T. 0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 102704

Ion	Ratio	Lower	Upper
41	100		
42	69.8	56.2	84.4

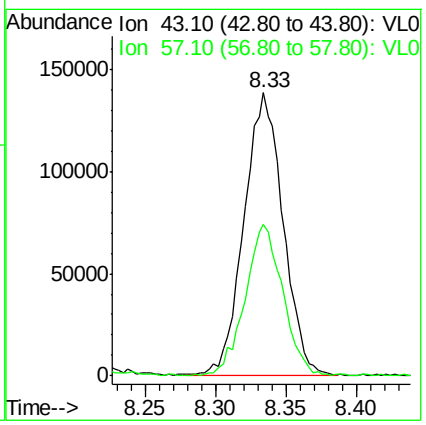


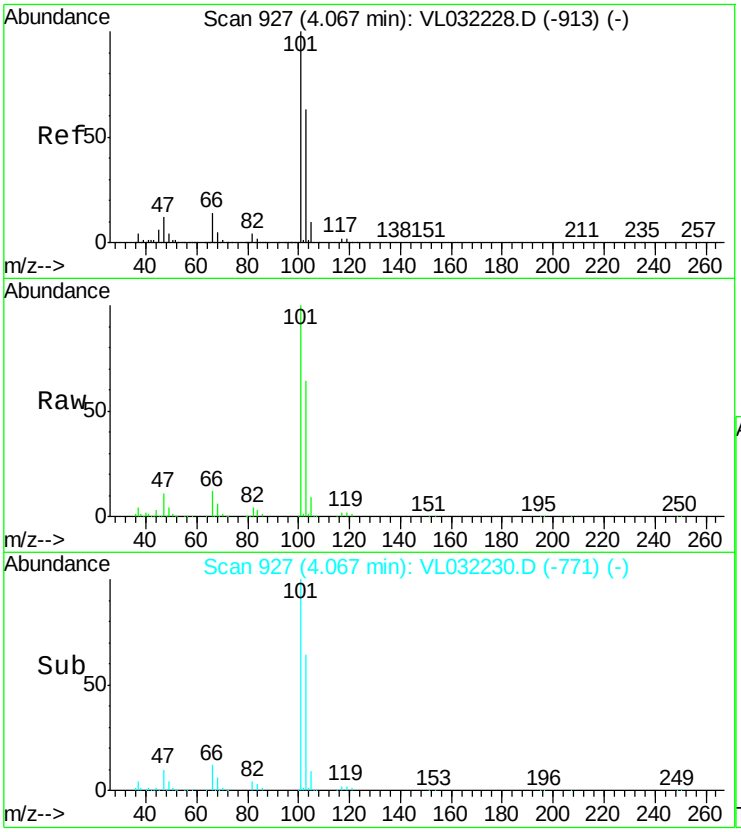


#10
Heptane
Concen: 0.866 ppbv
RT: 8.33 min Scan# 2254
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 43 Resp: 266564

Ion	Ratio	Lower	Upper
43	100		
57	52.3	40.7	61.1



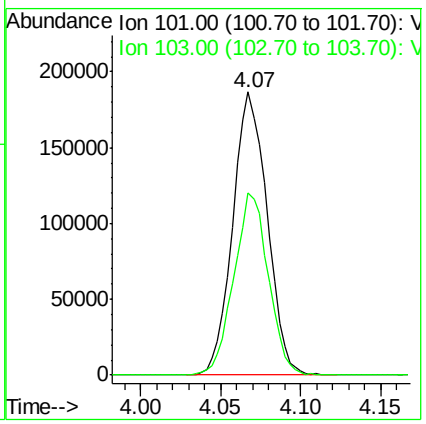


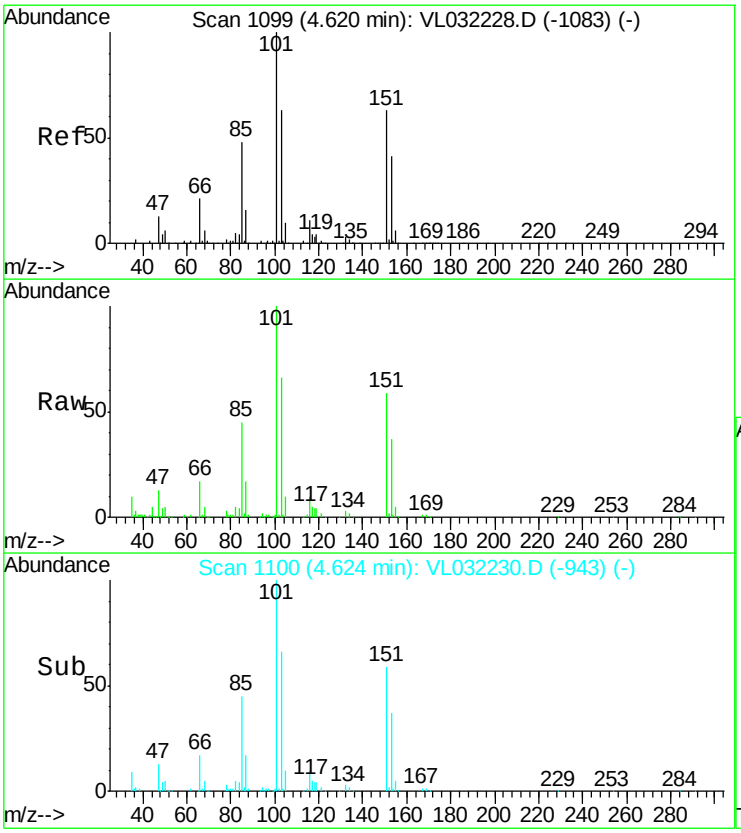
#11
Trichlorofluoromethane
Concen: 1.037 ppbv
RT: 4.07 min Scan# 927
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 272542

Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.2	75.2

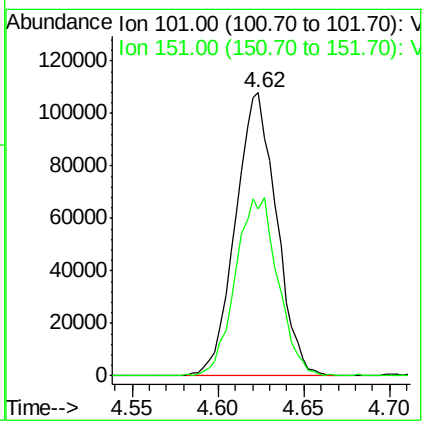


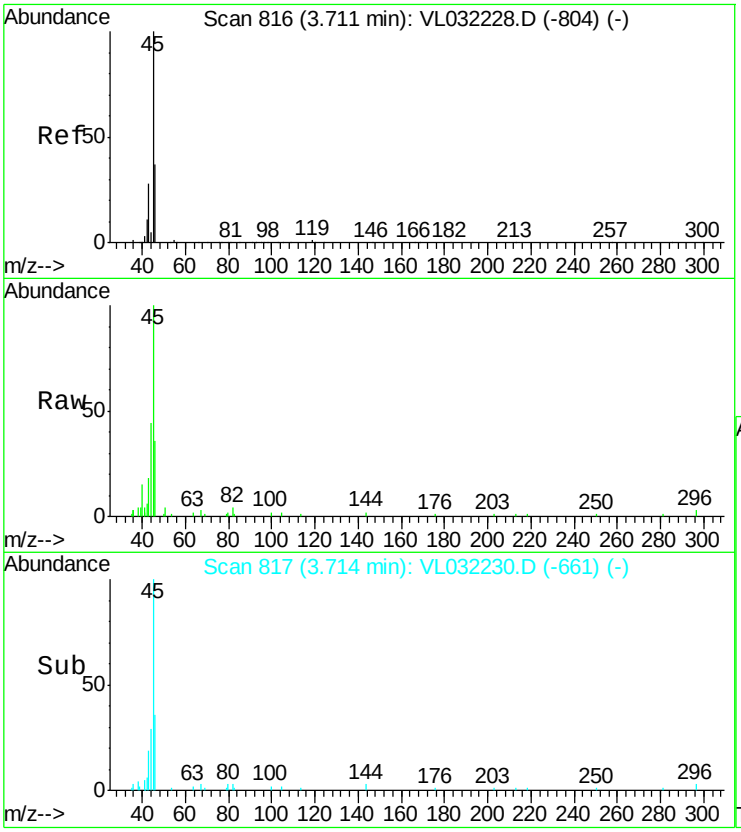


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.027 ppbv
RT: 4.62 min Scan# 1100
Delta R.T. 0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion:101 Resp: 178880

Ion	Ratio	Lower	Upper
101	100		
151	65.6	52.2	78.2



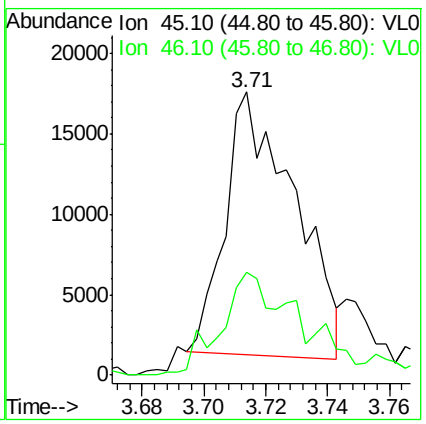


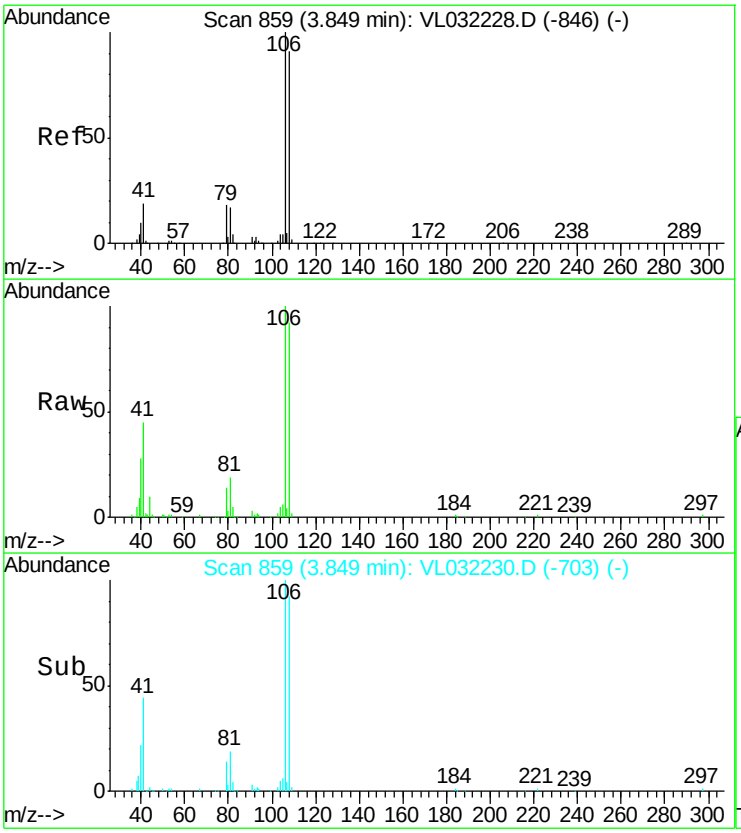
#13
Ethanol
Concen: 0.800 ppbv
RT: 3.71 min Scan# 817
Delta R.T. 0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 25468

Ion	Ratio	Lower	Upper
45	100		
46	49.5	15.5	61.9

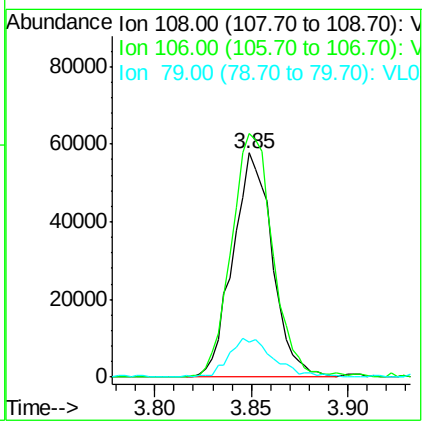


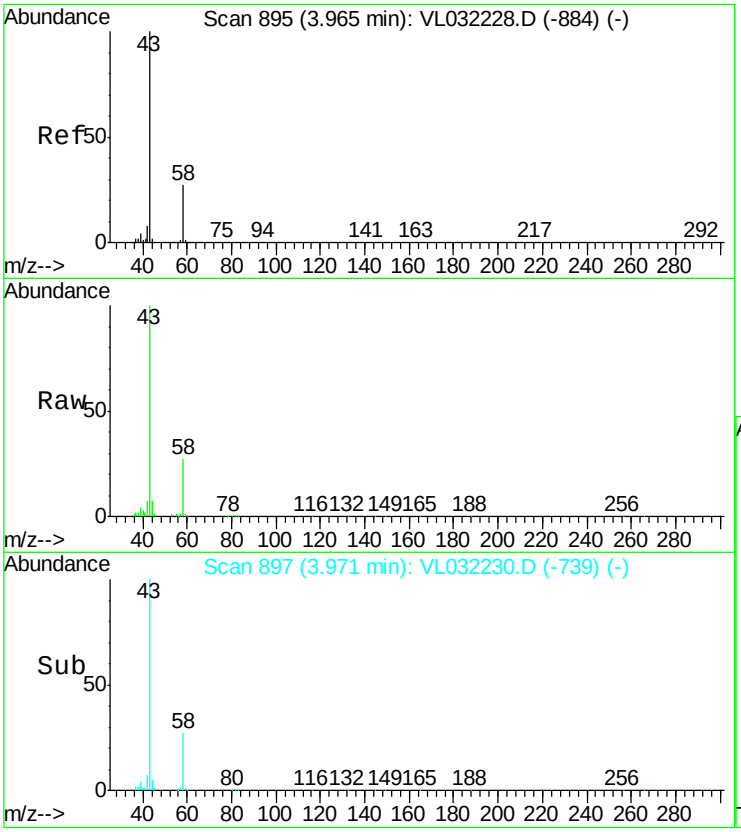


#14
Bromoethene
Concen: 0.995 ppbv
RT: 3.85 min Scan# 859
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion:108 Resp: 82179

Ion	Ratio	Lower	Upper
108	100		
106	114.2	85.5	128.3
79	19.9	14.2	21.4



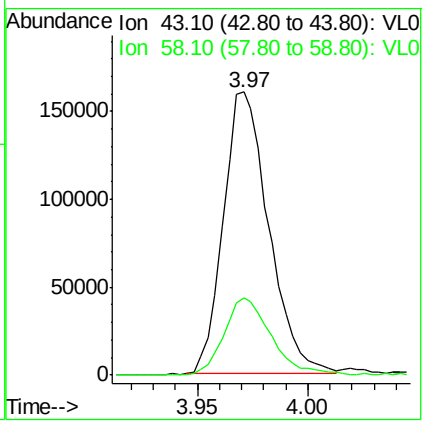


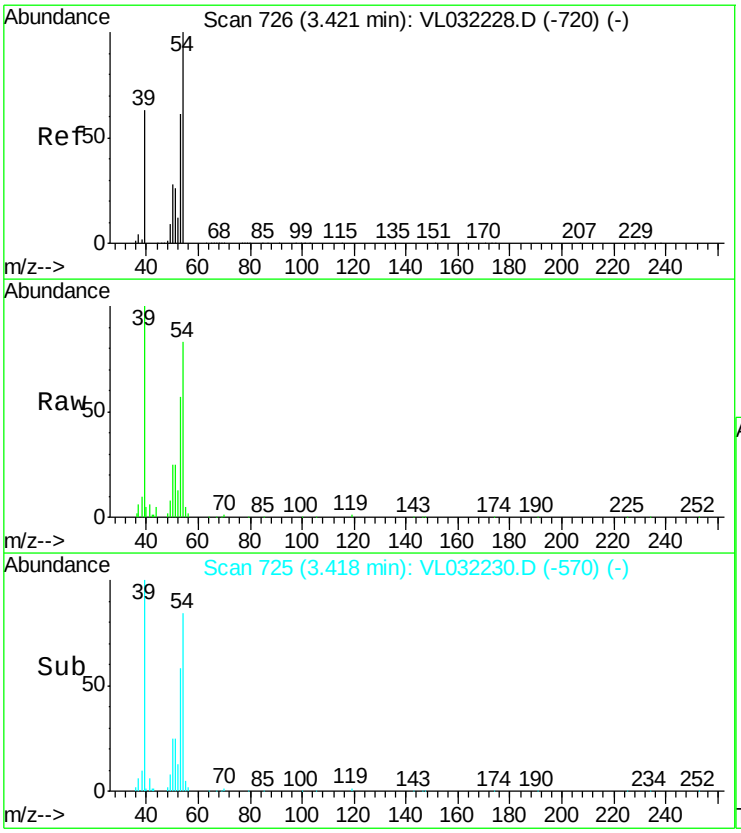
#15
Acetone
Concen: 1.061 ppbv
RT: 3.97 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 229244

Ion	Ratio	Lower	Upper
43	100		
58	28.8	21.5	32.3

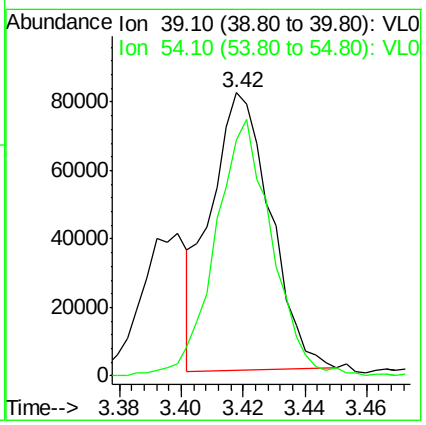


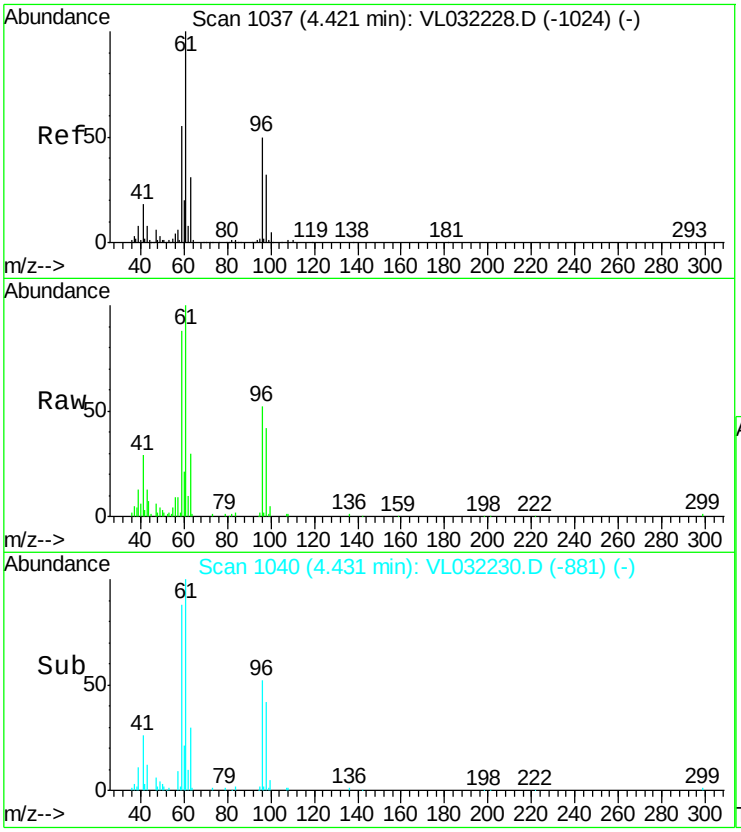


#16
1,3-Butadiene
Concen: 1.013 ppbv
RT: 3.42 min Scan# 725
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 39 Resp: 108886

Ion	Ratio	Lower	Upper
39	100		
54	87.6	70.0	105.0



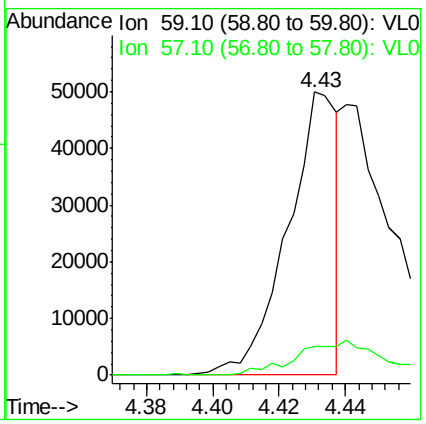


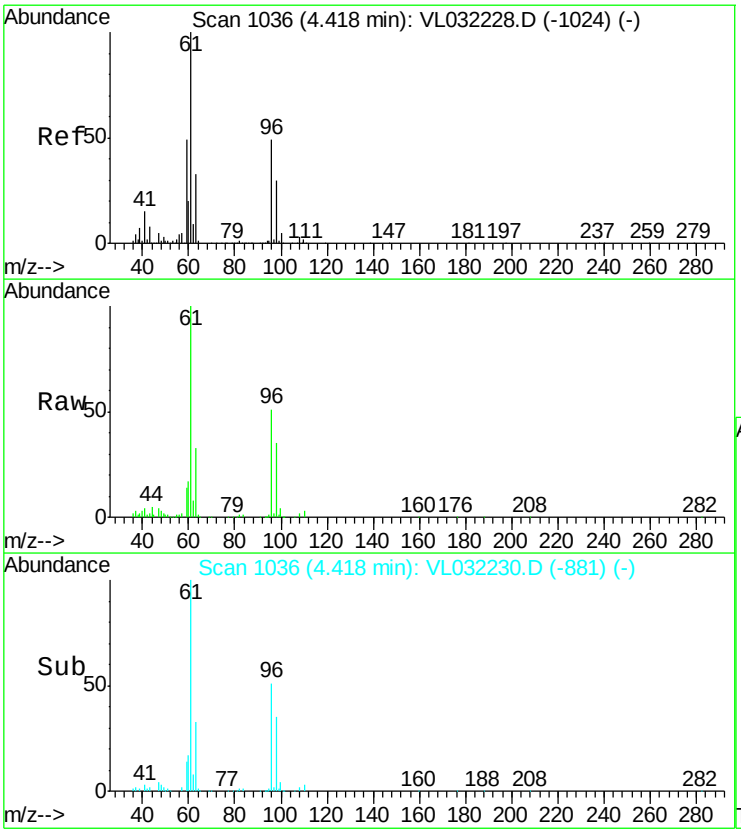
#17
tert-Butyl alcohol
Concen: 0.396 ppbv
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 59 Resp: 52245

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

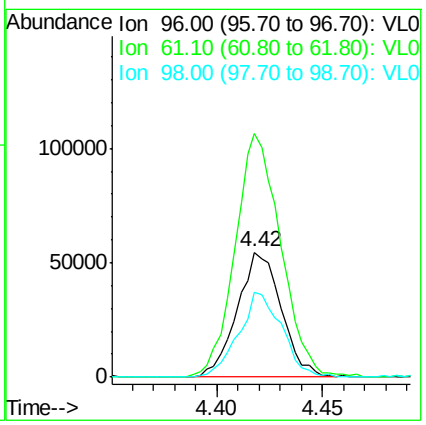


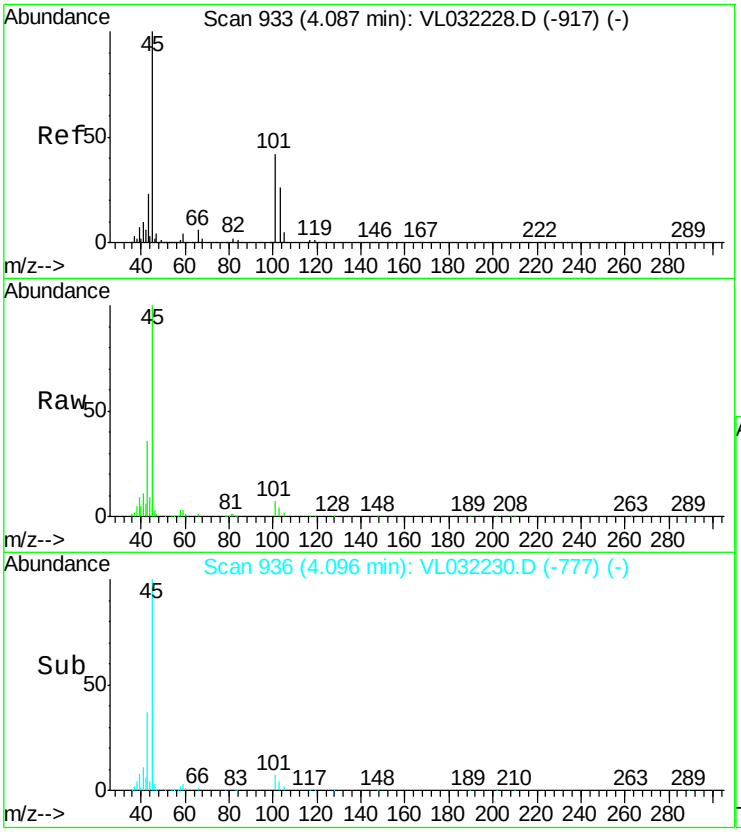


#18
1,1-Dichloroethene
Concen: 0.962 ppbv
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 96 Resp: 79534

Ion	Ratio	Lower	Upper
96	100		
61	194.6	163.0	244.4
98	67.6	48.5	72.7



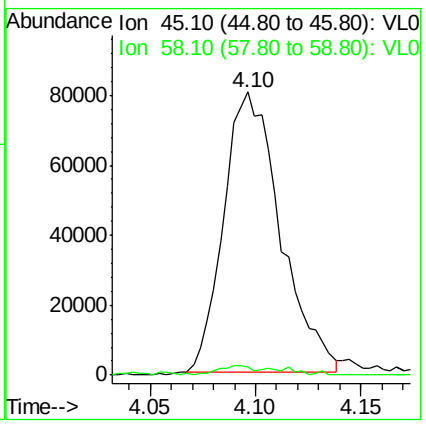


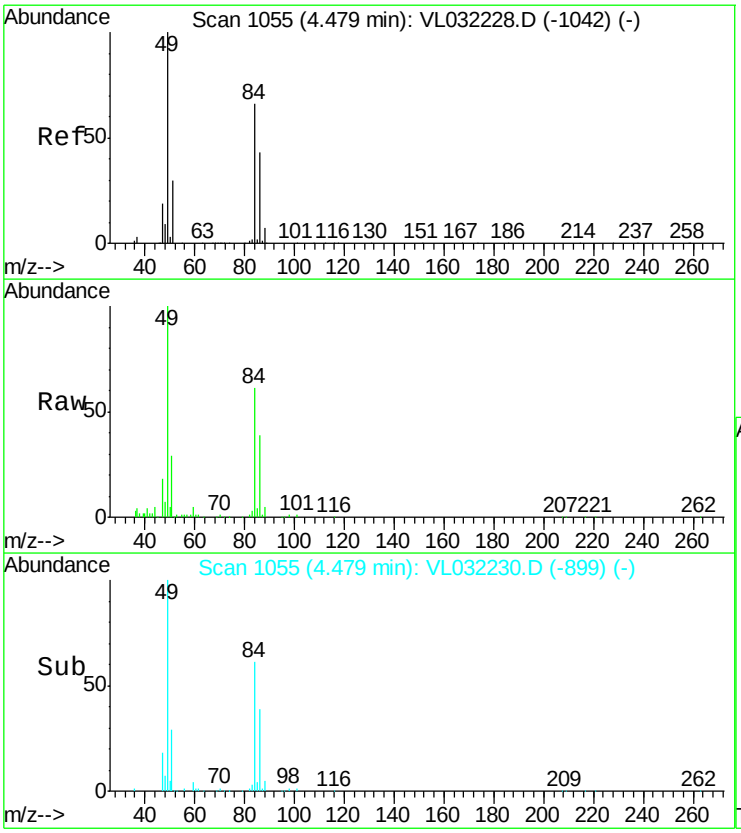
#19
Isopropyl Alcohol
Concen: 0.862 ppbv
RT: 4.10 min Scan# 936
Delta R.T. 0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 45 Resp: 150461

Ion	Ratio	Lower	Upper
45	100		
58	3.7	1.3	1.9#

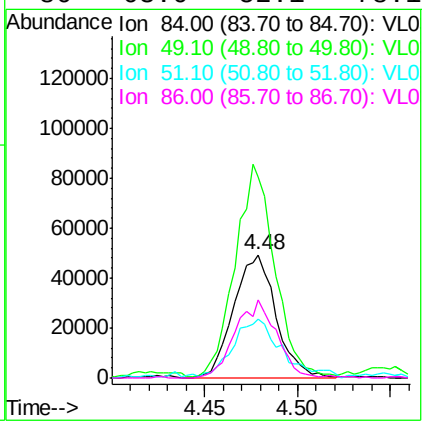


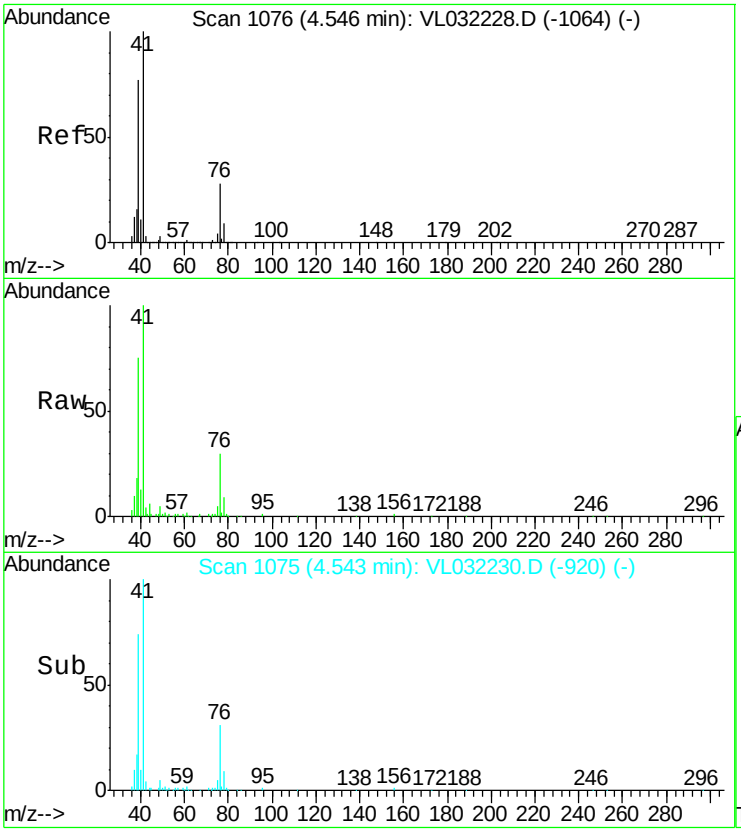


#20
Methylene Chloride
Concen: 1.000 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 84 Resp: 78490

Ion	Ratio	Lower	Upper
84	100		
49	161.7	121.8	182.6
51	45.7	36.3	54.5
86	63.0	52.1	78.1



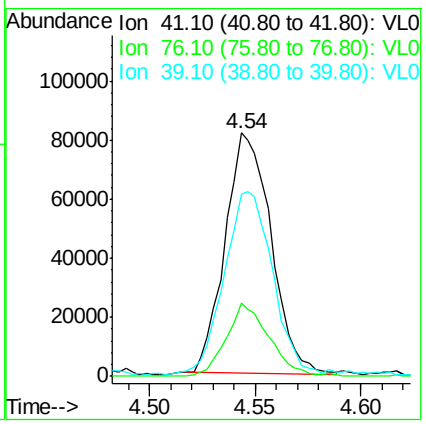


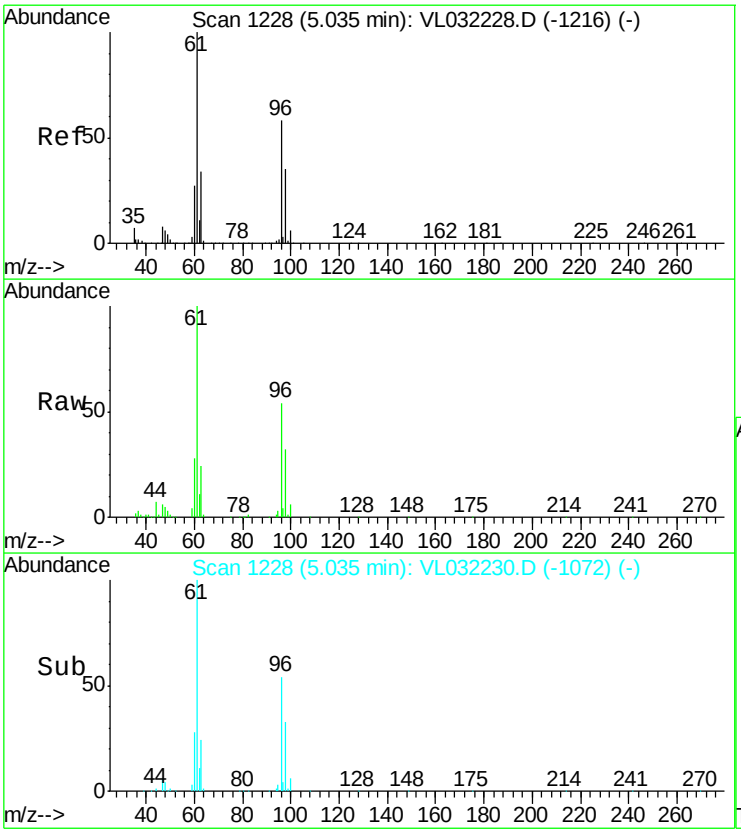
#21
Allyl Chloride
Concen: 0.846 ppbv
RT: 4.54 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 122758

Ion	Ratio	Lower	Upper
41	100		
76	28.8	22.9	34.3
39	81.9	62.3	93.5

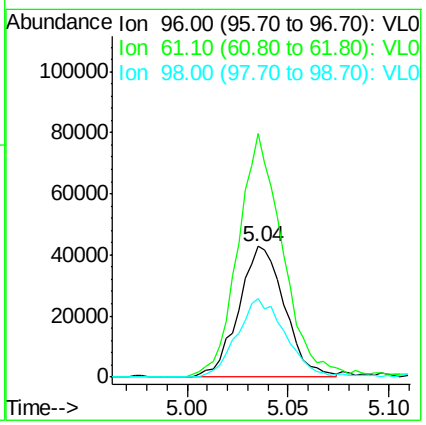


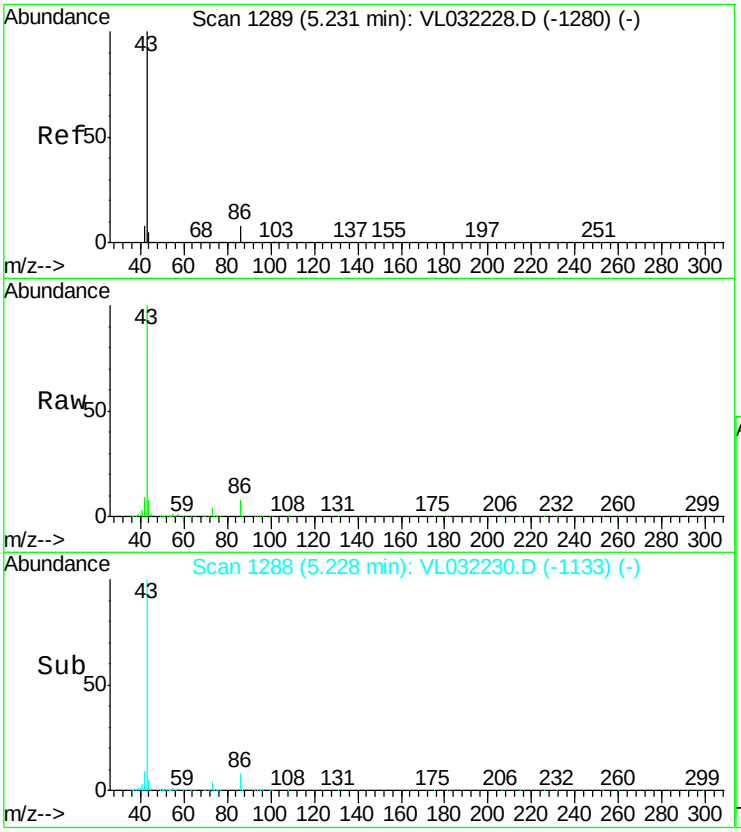


#22
trans-1,2-Dichloroethene
Concen: 0.785 ppbv
RT: 5.04 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 96 Resp: 68429

Ion	Ratio	Lower	Upper
96	100		
61	186.5	139.1	208.7
98	60.5	48.4	72.6



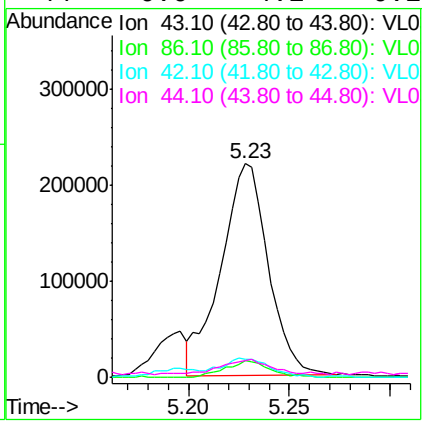


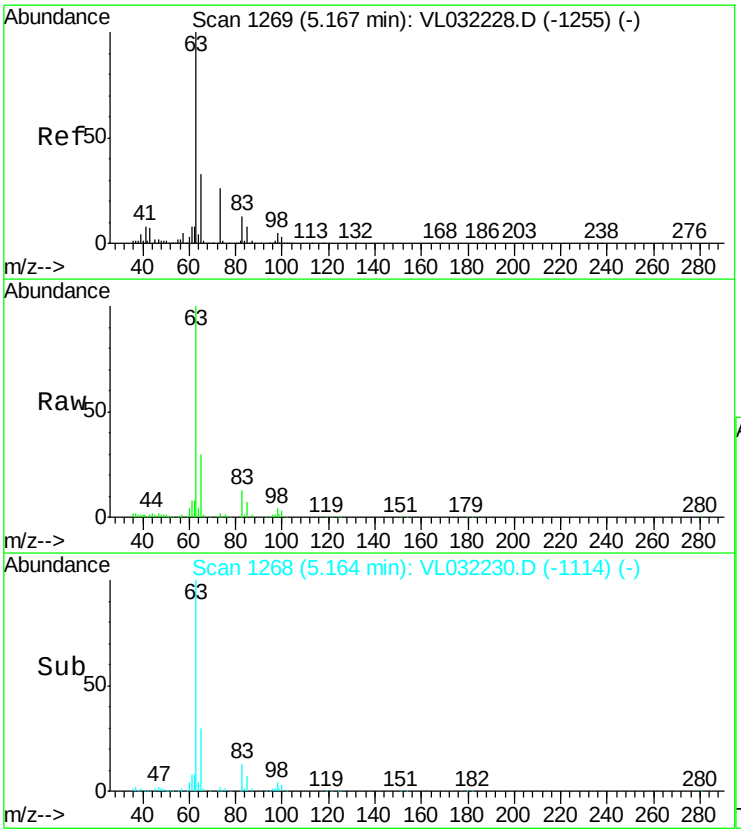
#23
Vinyl Acetate
Concen: 0.920 ppbv
RT: 5.23 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 361800

Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.9	8.9
42	8.1	7.0	10.6
44	6.0	4.2	6.2

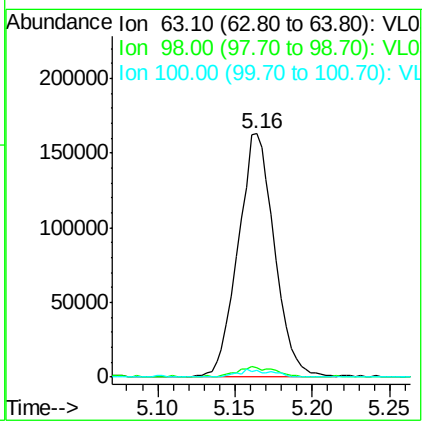


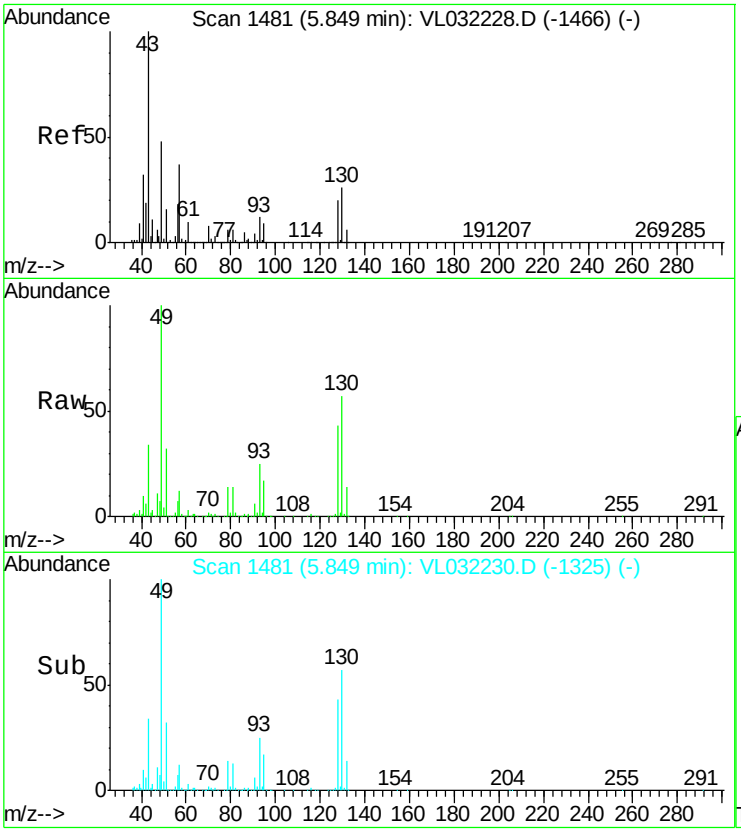


#24
1,1-Dichloroethane
Concen: 1.049 ppbv
RT: 5.16 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 63 Resp: 266806

Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.4	7.1
100	2.7	1.5	4.4



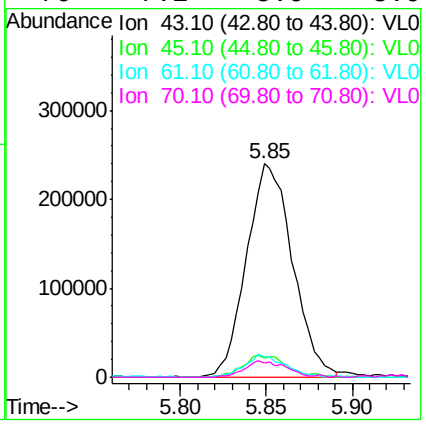


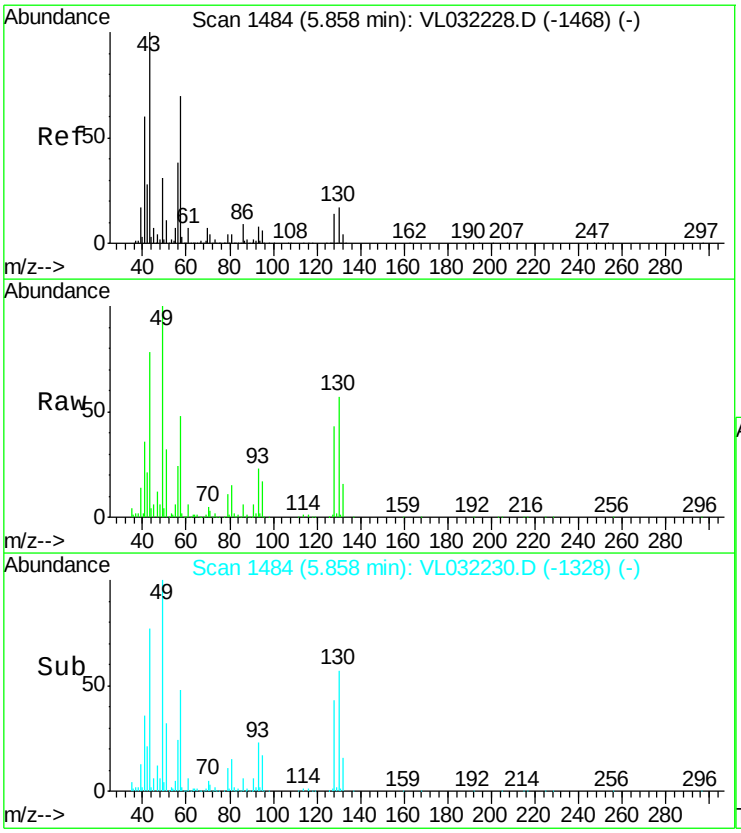
#25
Ethyl Acetate
Concen: 0.990 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 444289

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	9.6	7.7	11.5
70	7.2	5.9	8.9

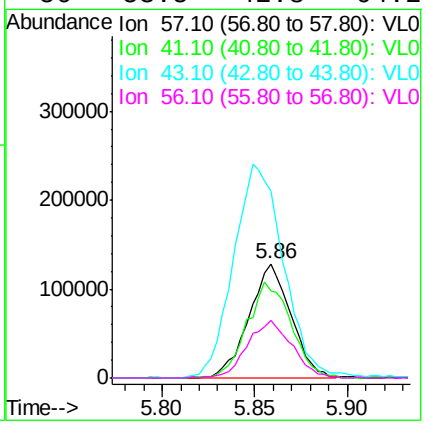


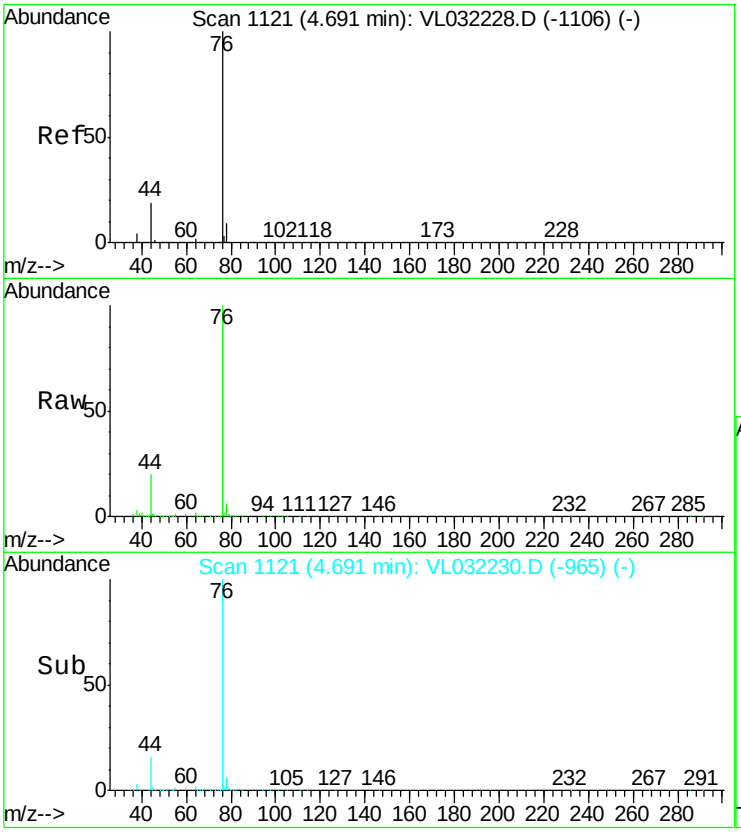


#26
Hexane
Concen: 0.977 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 57 Resp: 202320

Ion	Ratio	Lower	Upper
57	100		
41	87.3	68.7	103.1
43	226.9	176.2	264.2
56	53.5	42.8	64.2



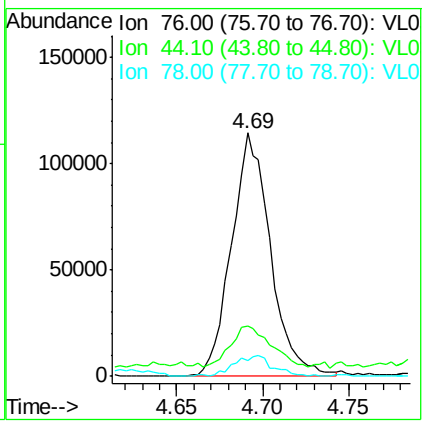


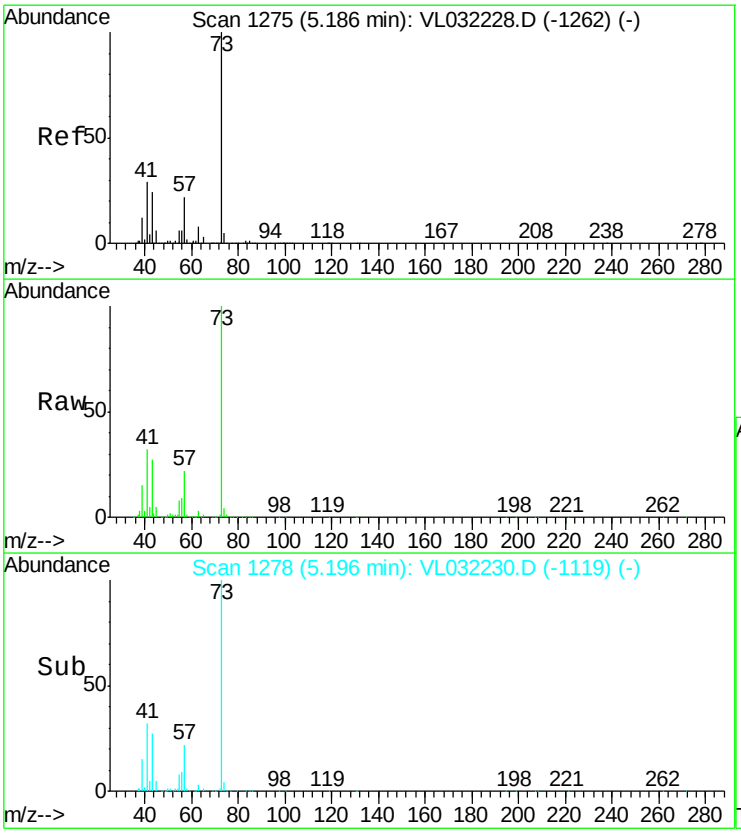
#27
Carbon Disulfide
Concen: 0.892 ppbv
RT: 4.69 min Scan# 1121
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 76 Resp: 179878

Ion	Ratio	Lower	Upper
76	100		
44	18.2	15.1	22.7
78	9.1	7.4	11.0

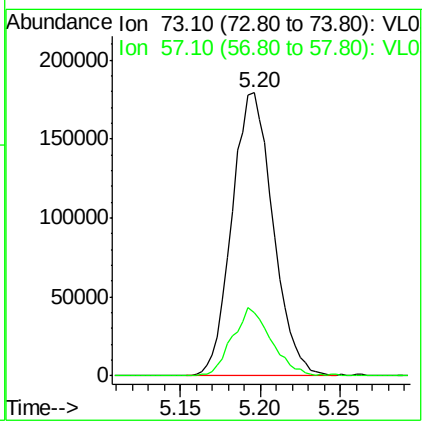


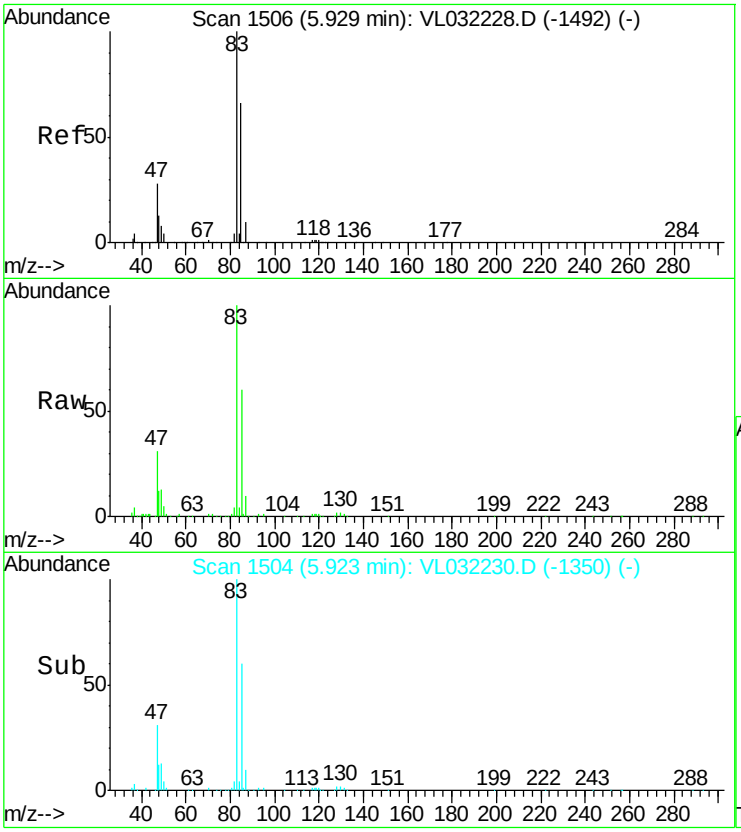


#28
Methyl tert-Butyl Ether
Concen: 0.868 ppbv
RT: 5.20 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 73 Resp: 313167

Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.6	27.8



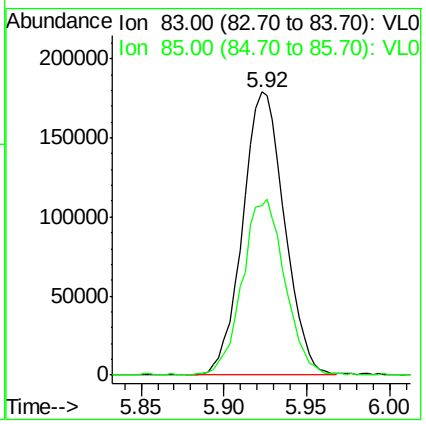


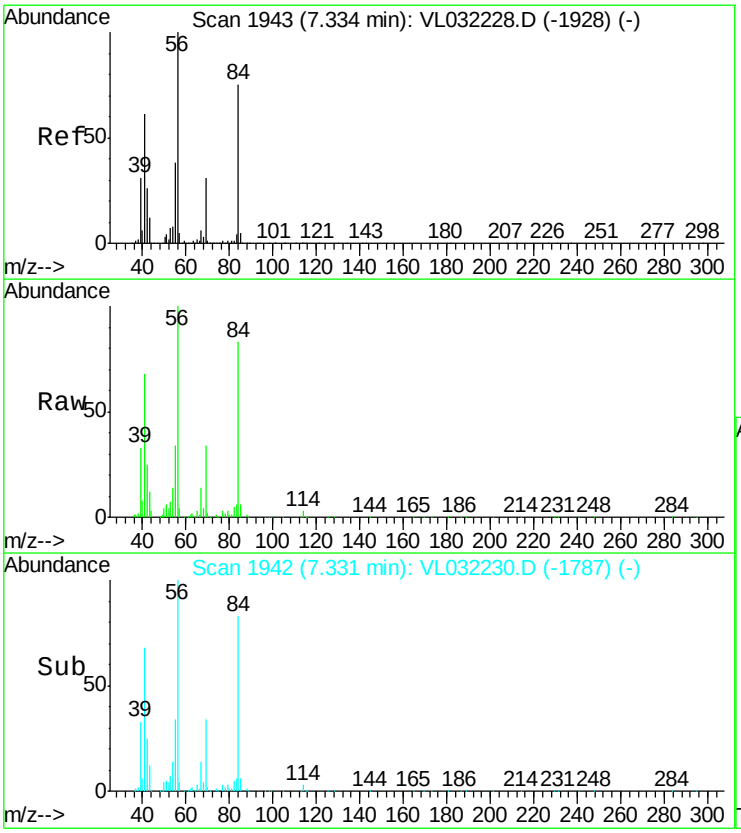
#29
Chloroform
Concen: 1.041 ppbv
RT: 5.92 min Scan# 1504
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 314059

Ion	Ratio	Lower	Upper
83	100		
85	59.7	52.7	79.1

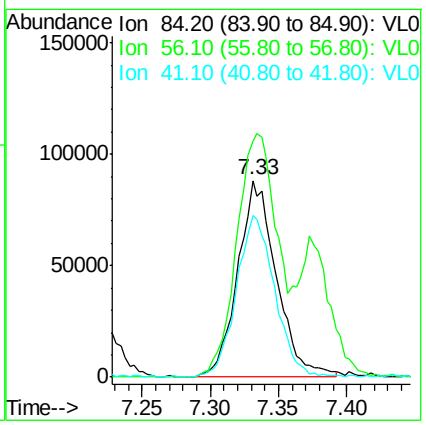


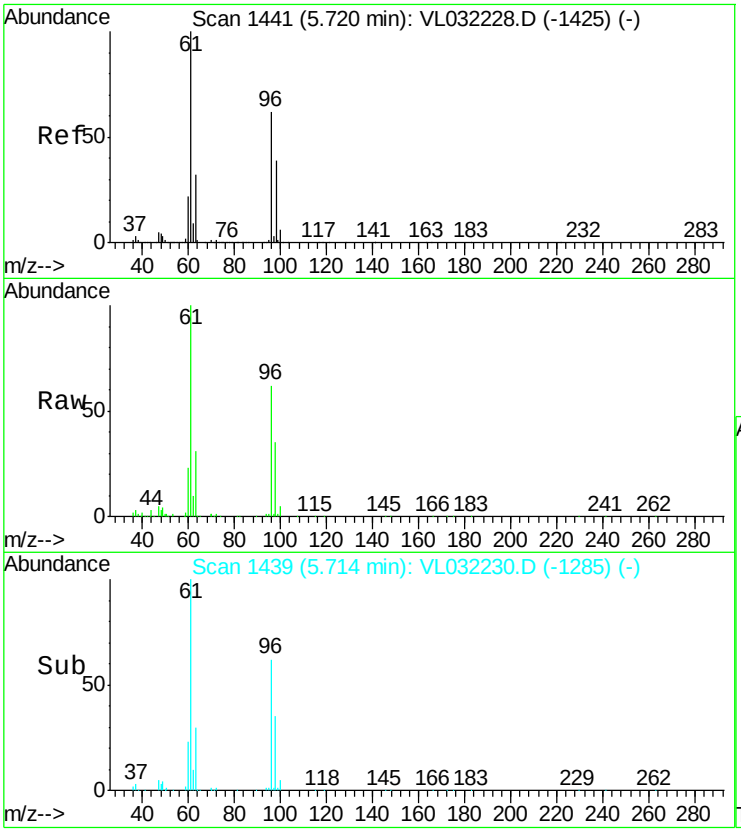


#30
Cyclohexane
Concen: 0.872 ppbv
RT: 7.33 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 84 Resp: 172696

Ion	Ratio	Lower	Upper
84	100		
56	189.8	112.6	168.8#
41	82.2	67.0	100.6



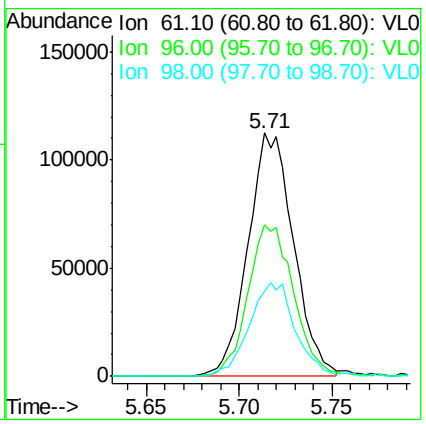


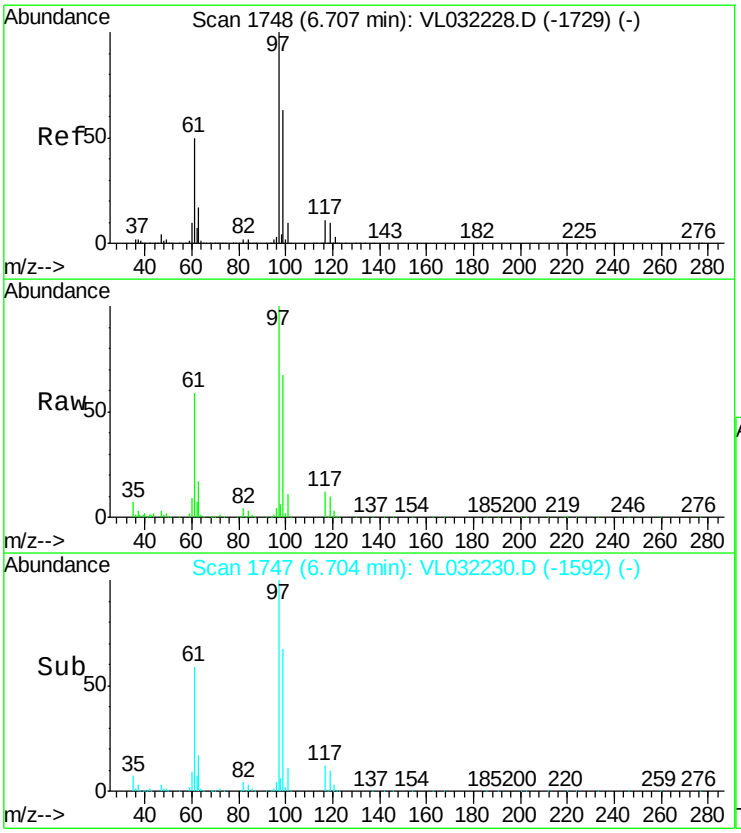
#31
cis-1,2-Dichloroethene
Concen: 0.926 ppbv
RT: 5.71 min Scan# 1439
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 192744

Ion	Ratio	Lower	Upper
61	100		
96	62.0	49.8	74.8
98	35.1	31.4	47.2

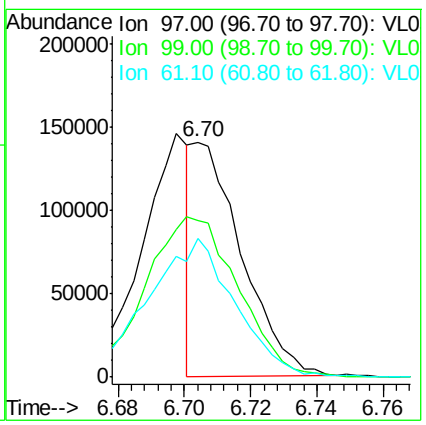


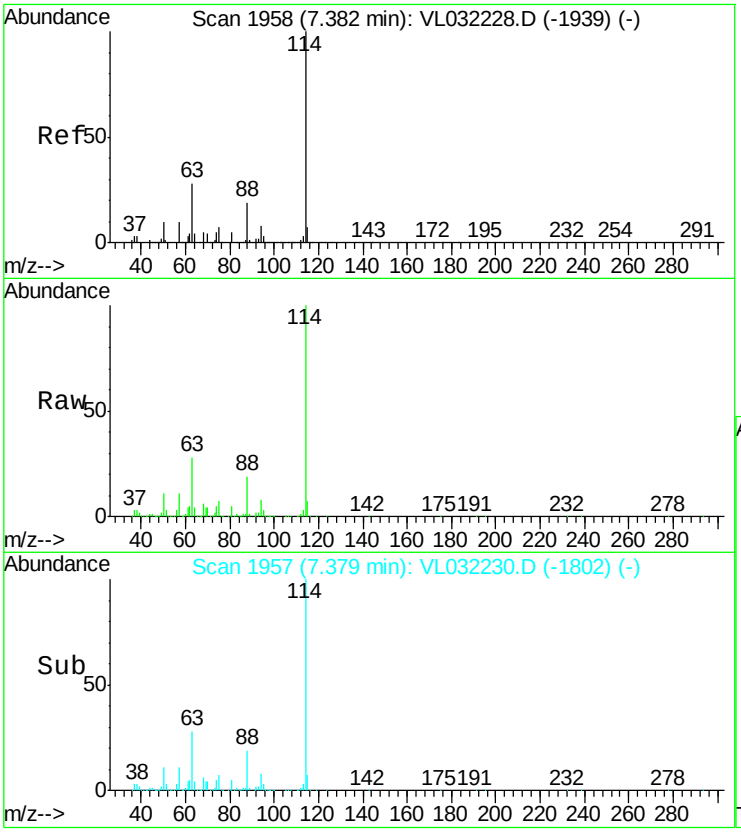


#32
1,1,1-Trichloroethane
Concen: 0.443 ppbv
RT: 6.70 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 97 Resp: 142216

Ion	Ratio	Lower	Upper
97	100		
99	133.1	51.2	76.8#
61	108.2	41.3	61.9#



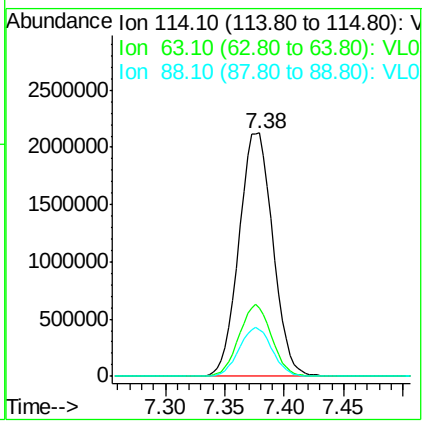


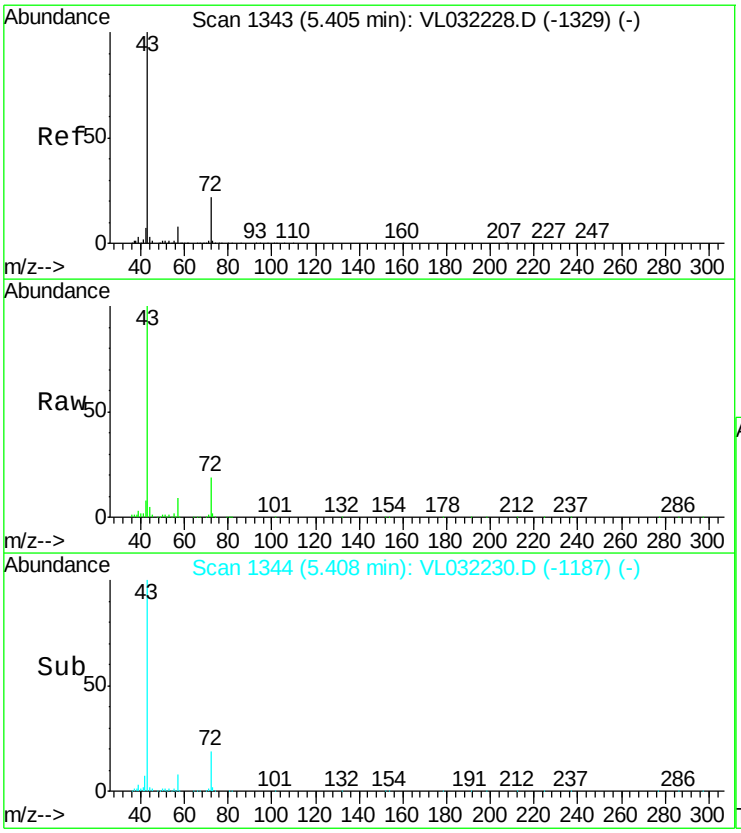
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.38 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 4207027

Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.5	33.7
88	19.4	15.4	23.0

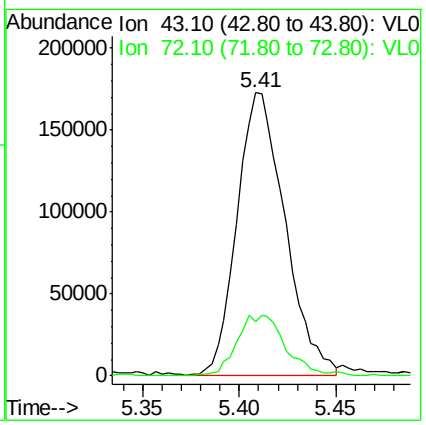


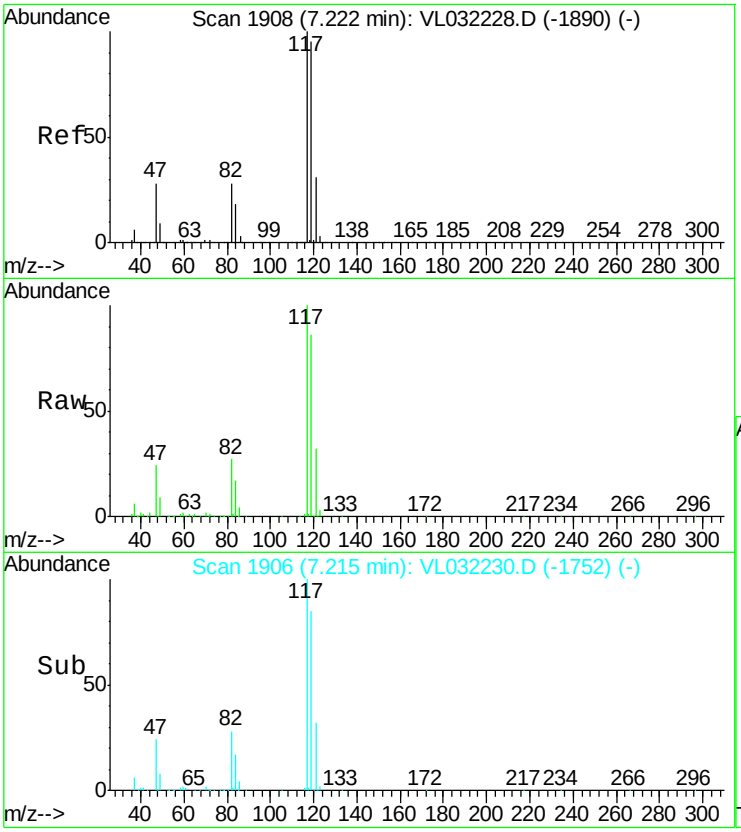


#34
2-Butanone
Concen: 1.110 ppbv
RT: 5.41 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 43 Resp: 295963

Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.1	27.1



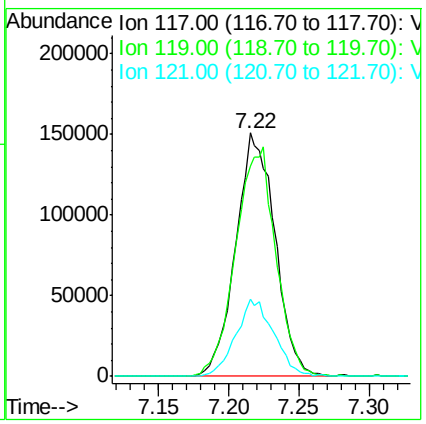


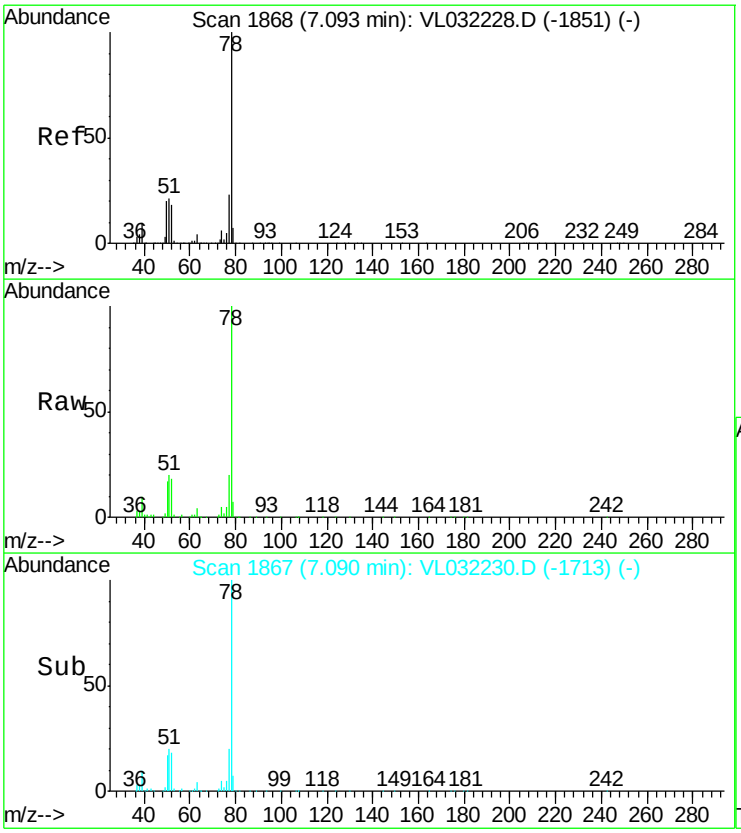
#35
Carbon Tetrachloride
Concen: 1.008 ppbv
RT: 7.22 min Scan# 1906
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 293367

Ion	Ratio	Lower	Upper
117	100		
119	86.0	75.7	113.5
121	31.9	24.6	37.0

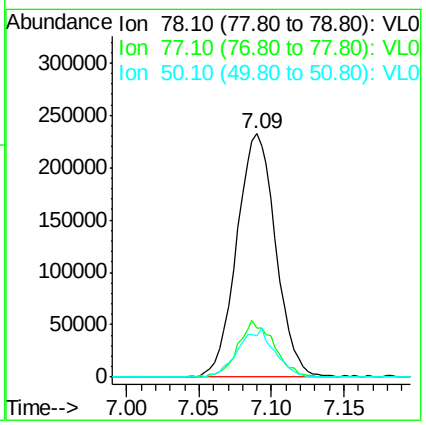


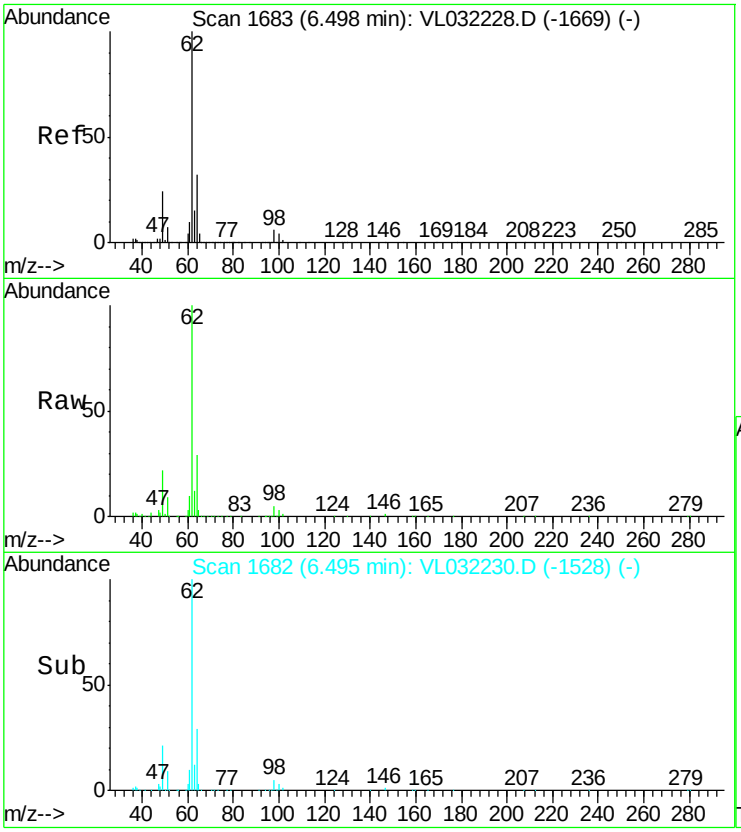


#36
Benzene
Concen: 1.048 ppbv
RT: 7.09 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 78 Resp: 433666

Ion	Ratio	Lower	Upper
78	100		
77	20.2	18.0	27.0
50	16.9	15.8	23.8



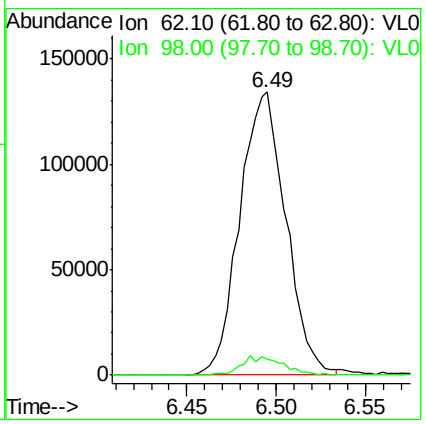


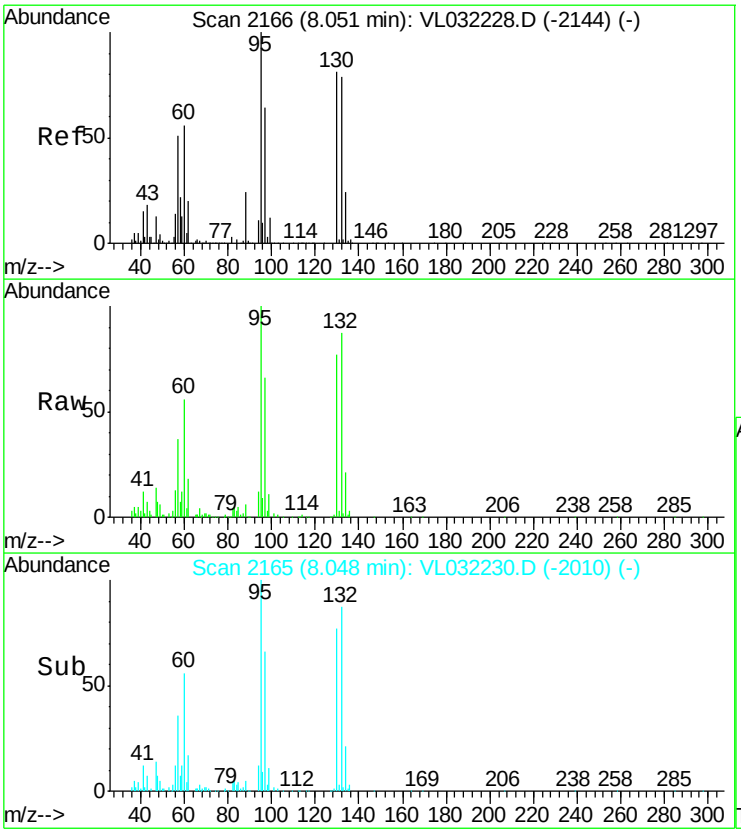
#37
1,2-Dichloroethane
Concen: 1.166 ppbv
RT: 6.49 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 241668

Ion	Ratio	Lower	Upper
62	100		
98	6.1	4.6	7.0

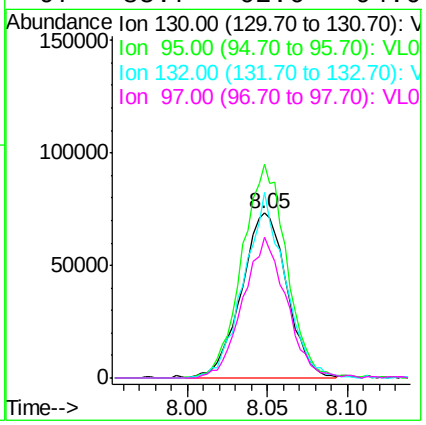


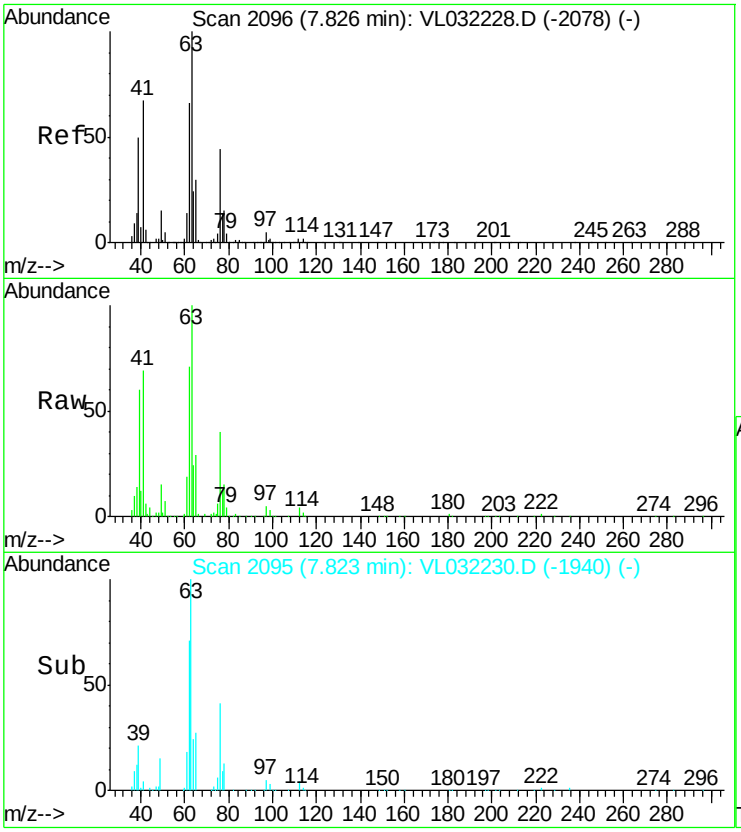


#38
Trichloroethene
Concen: 0.906 ppbv
RT: 8.05 min Scan# 2165
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion:130 Resp: 141875

Ion	Ratio	Lower	Upper
130	100		
95	129.4	98.3	147.5
132	112.7	78.1	117.1
97	85.7	62.6	94.0



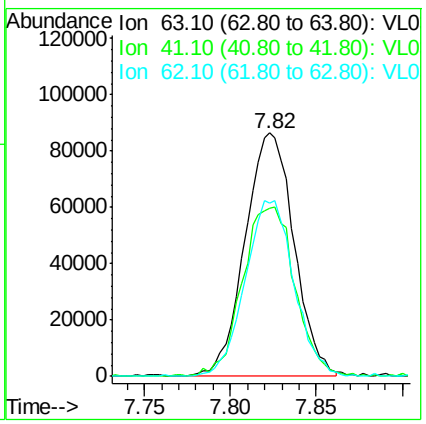


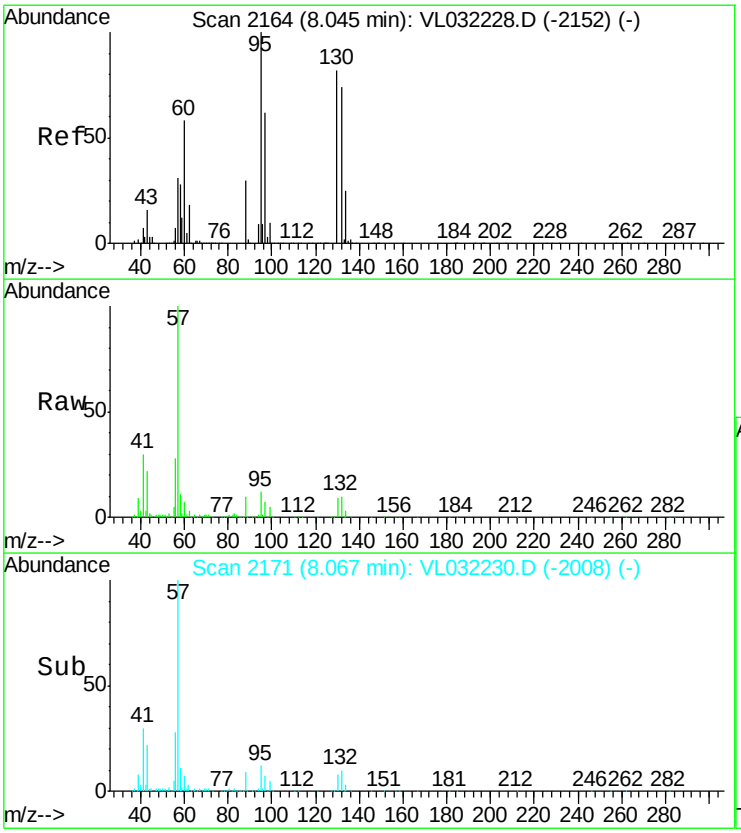
#39
1,2-Dichloropropane
Concen: 1.058 ppbv
RT: 7.82 min Scan# 2095
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 63 Resp: 171053

Ion	Ratio	Lower	Upper
63	100		
41	68.6	53.8	80.6
62	70.6	53.1	79.7

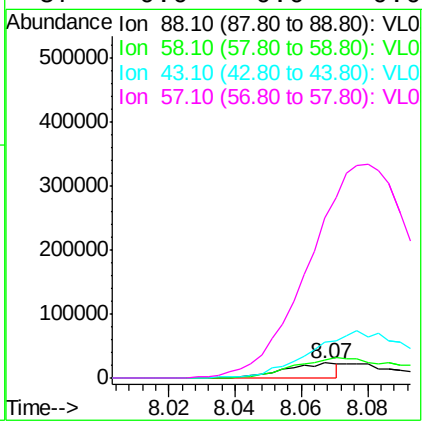


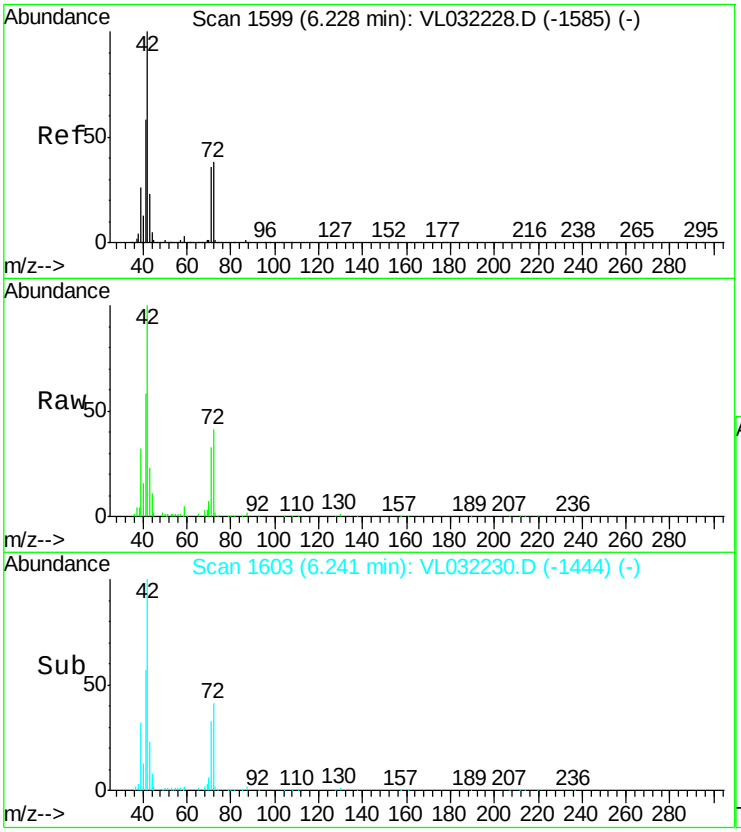


#40
1,4-Dioxane
Concen: 0.430 ppbv
RT: 8.07 min Scan# 2171
Delta R.T. 0.02 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 88 Resp: 26004

Ion	Ratio	Lower	Upper
88	100		
58	0.0	117.4	176.2#
43	0.0	0.0	0.0
57	0.0	0.0	0.0



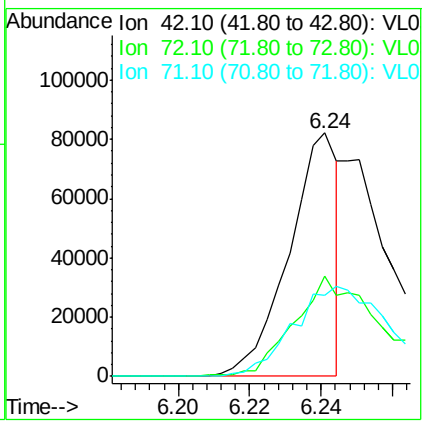


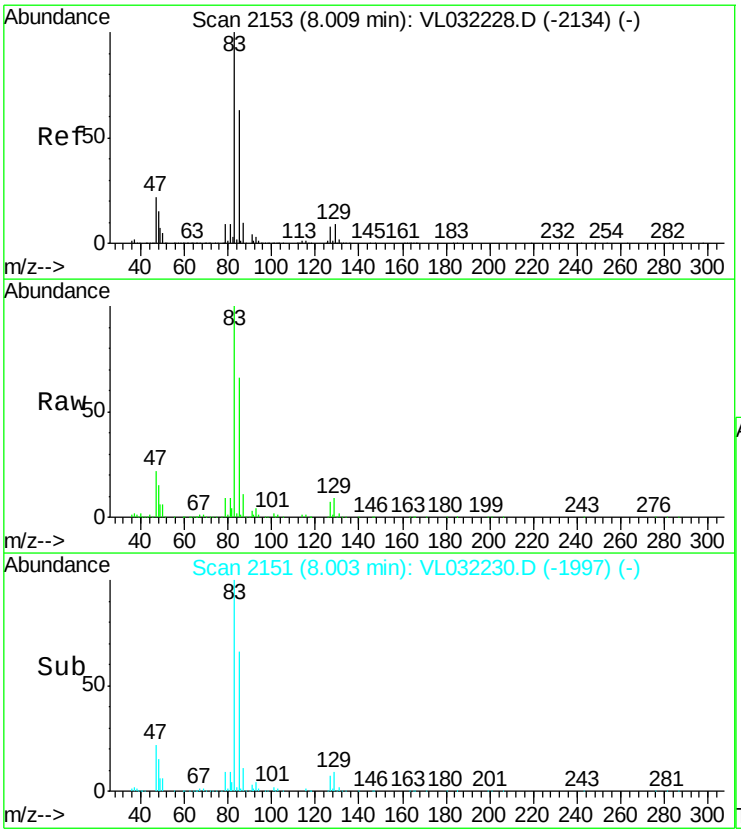
#41
Tetrahydrofuran
Concen: 0.485 ppbv
RT: 6.24 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 42 Resp: 78072

Ion	Ratio	Lower	Upper
42	100		
72	75.5	30.6	45.8#
71	76.4	29.7	44.5#

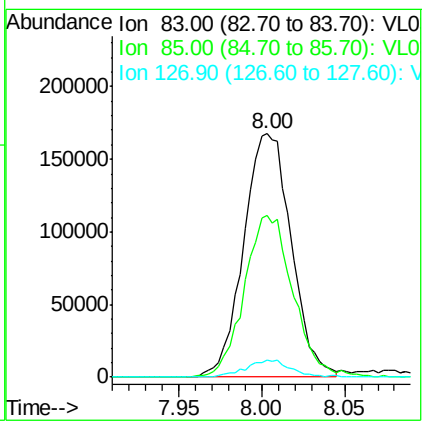


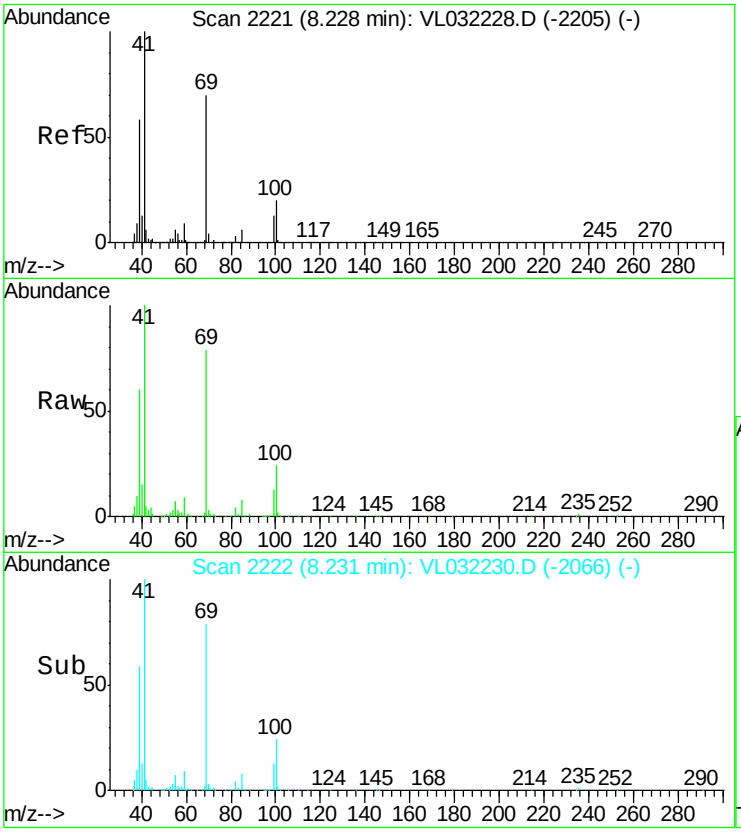


#42
Bromodichloromethane
Concen: 1.059 ppbv
RT: 8.00 min Scan# 2151
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 83 Resp: 334086

Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.6	76.0
127	7.1	6.1	9.1



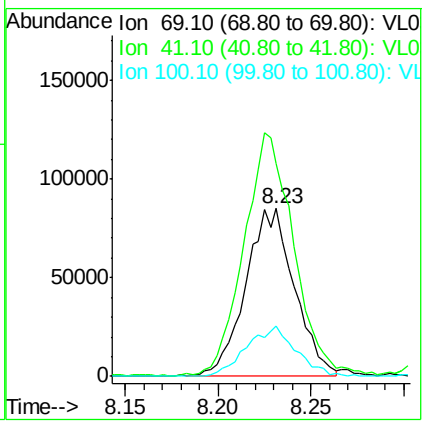


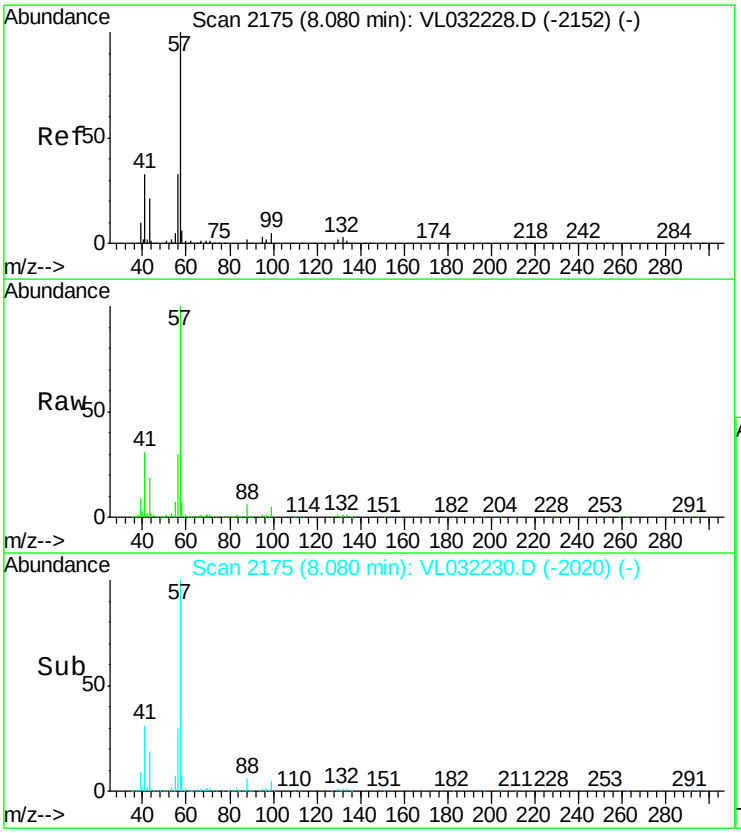
#43
Methyl Methacrylate
Concen: 0.919 ppbv
RT: 8.23 min Scan# 2222
Delta R.T. 0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 69 Resp: 153991

Ion	Ratio	Lower	Upper
69	100		
41	149.7	116.3	174.5
100	30.8	23.8	35.8

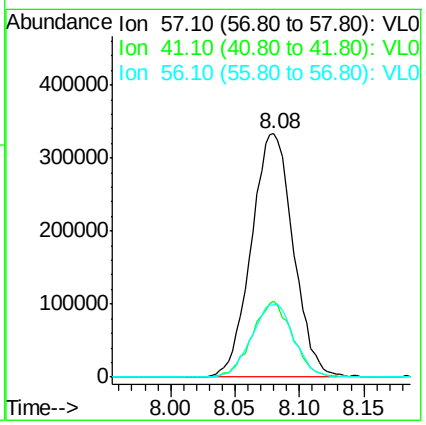


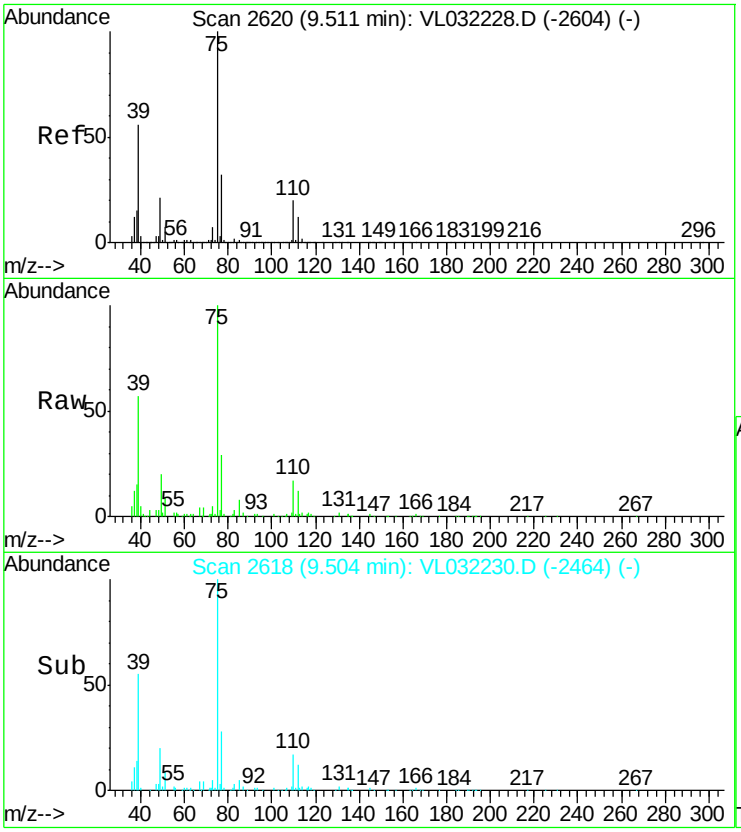


#44
2,2,4-Trimethylpentane
Concen: 1.066 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 57 Resp: 754970

Ion	Ratio	Lower	Upper
57	100		
41	30.0	24.7	37.1
56	30.3	25.4	38.0



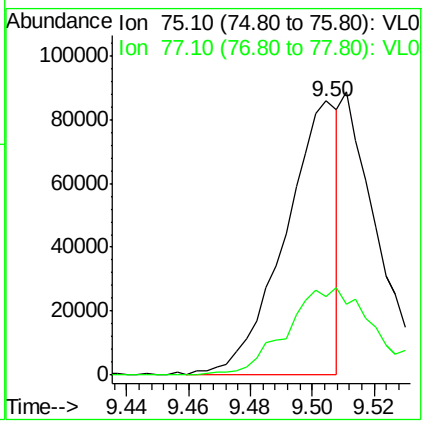


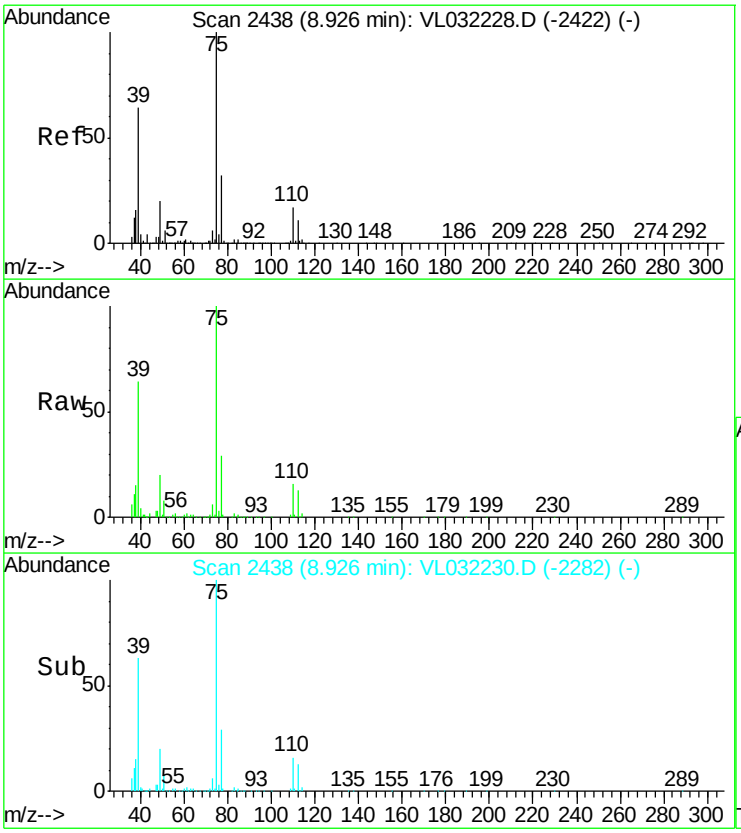
#45
t-1,3-Dichloropropene
Concen: 0.483 ppbv
RT: 9.50 min Scan# 2618
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 101289

Ion	Ratio	Lower	Upper
75	100		
77	28.7	25.5	38.3

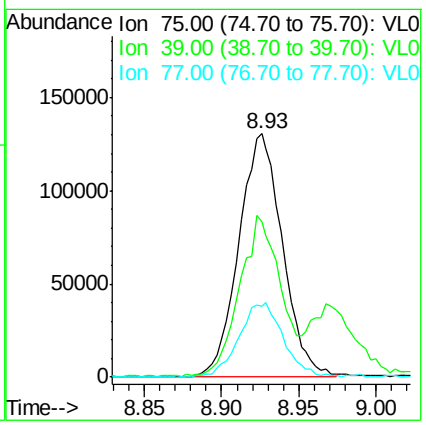


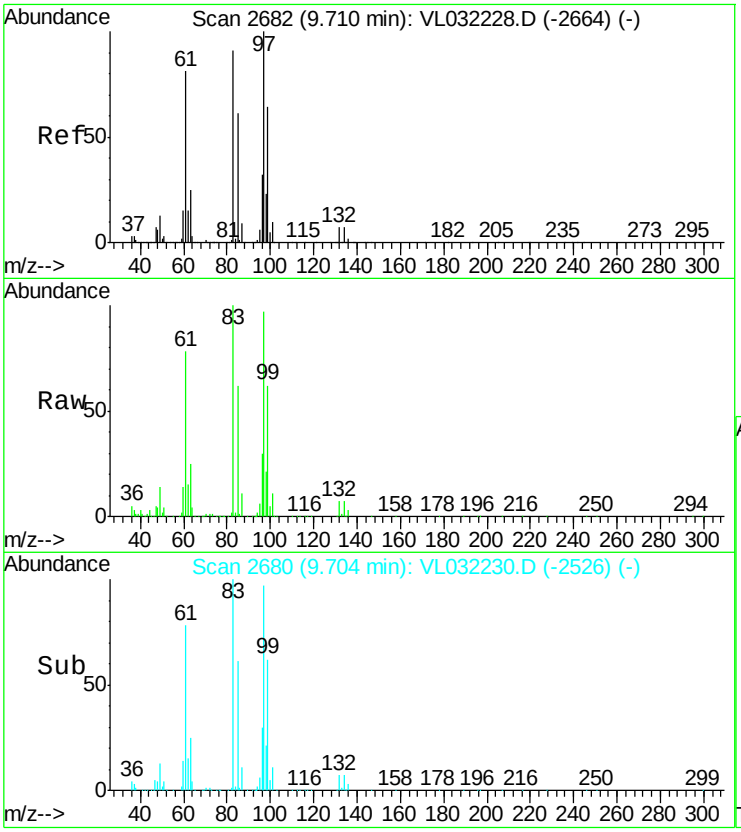


#46
cis-1,3-Dichloropropene
Concen: 1.016 ppbv
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 75 Resp: 256340

Ion	Ratio	Lower	Upper
75	100		
39	62.5	50.9	76.3
77	29.3	25.3	37.9



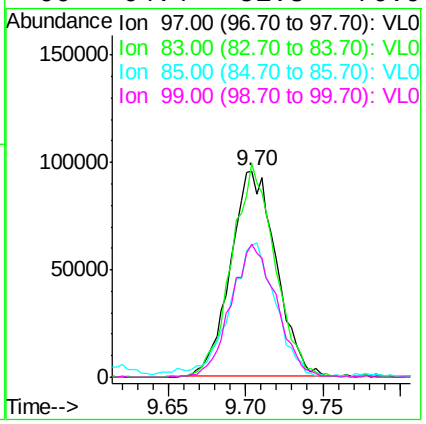


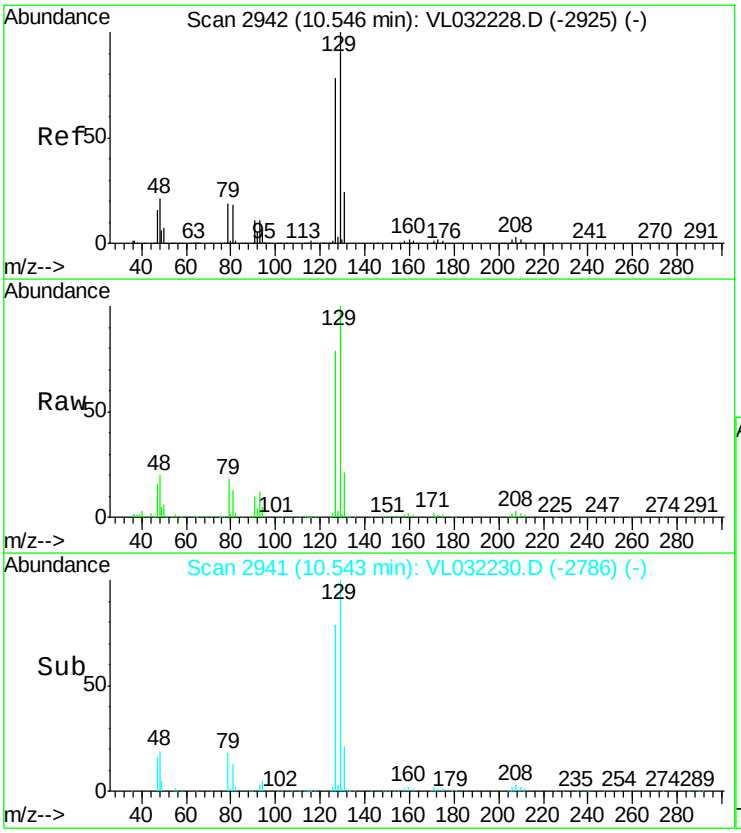
#47
1,1,2-Trichloroethane
Concen: 1.175 ppbv
RT: 9.70 min Scan# 2680
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 97 Resp: 196122

Ion	Ratio	Lower	Upper
97	100		
83	103.2	72.9	109.3
85	62.9	49.3	73.9
99	64.4	51.3	76.9

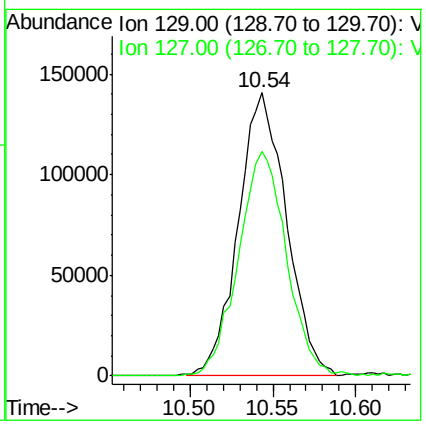


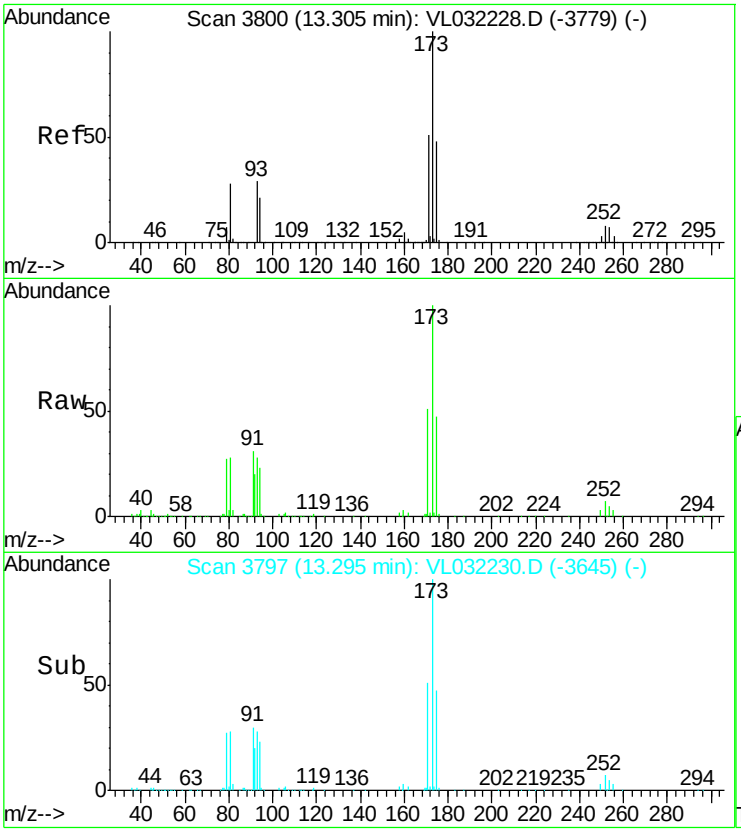


#48
Dibromochloromethane
Concen: 1.106 ppbv
RT: 10.54 min Scan# 2941
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion:129 Resp: 284295

Ion	Ratio	Lower	Upper
129	100		
127	79.8	39.3	117.9



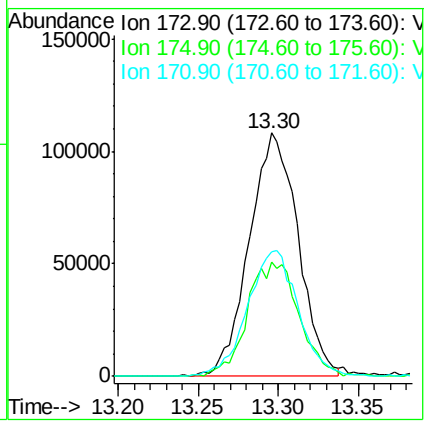


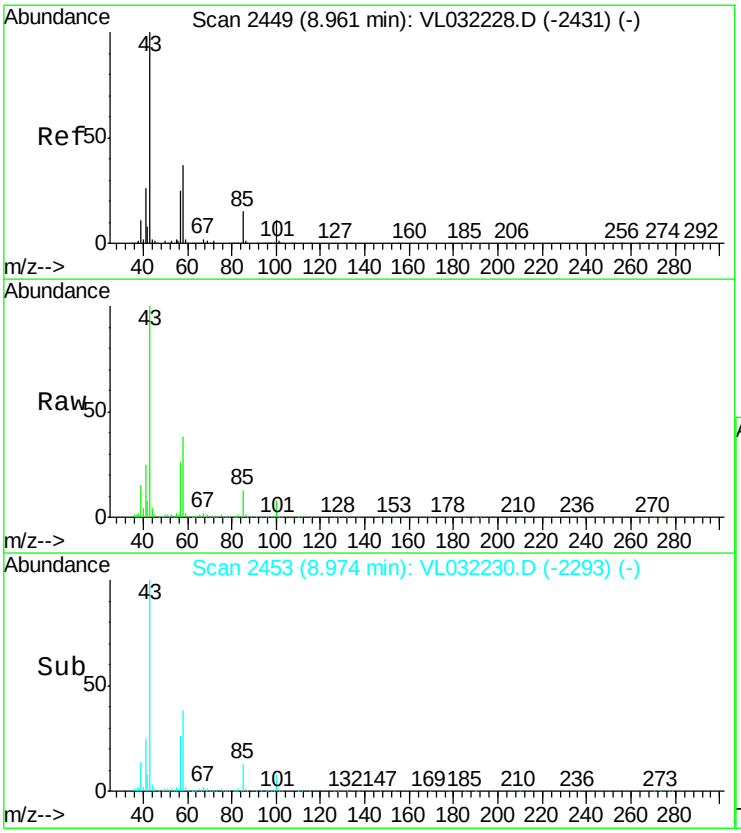
#49
Bromoform
Concen: 1.058 ppbv
RT: 13.30 min Scan# 3797
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 226495

Ion	Ratio	Lower	Upper
173	100		
175	50.3	39.4	59.2
171	53.7	41.8	62.6

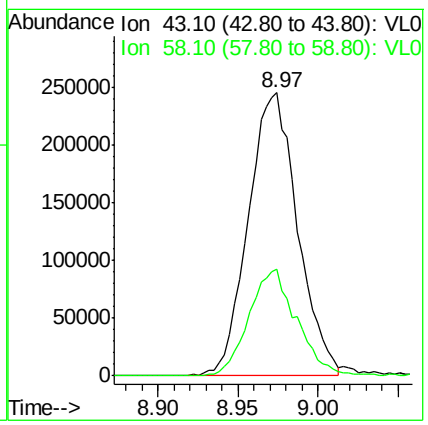


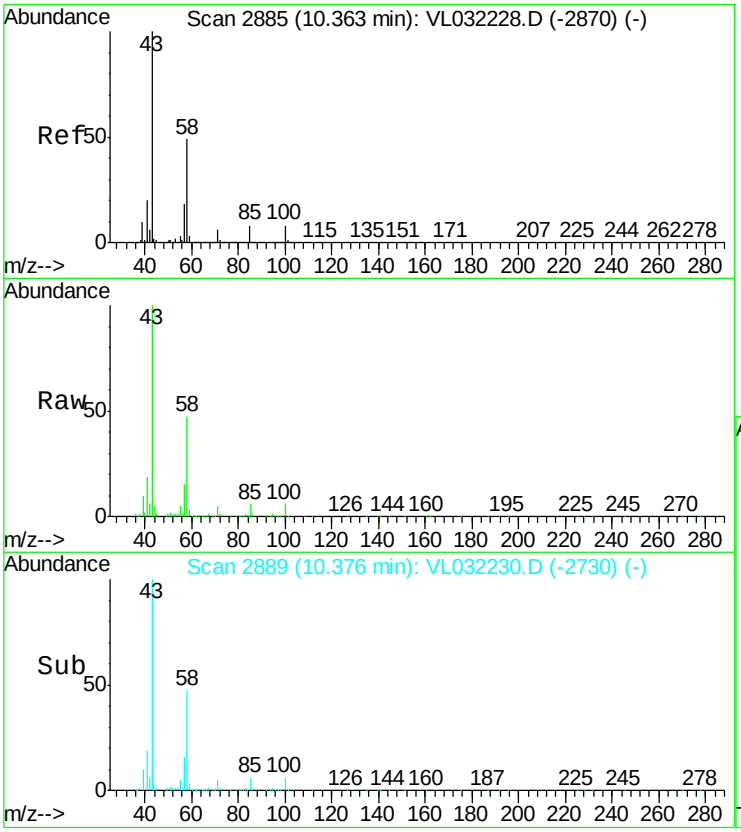


#50
4-Methyl-2-Pentanone
Concen: 1.170 ppbv
RT: 8.97 min Scan# 2453
Delta R.T. 0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 43 Resp: 519963

Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.5	44.3



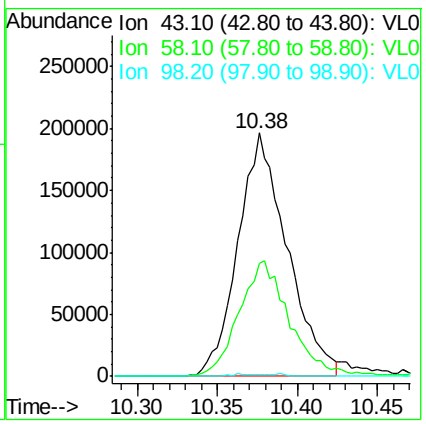


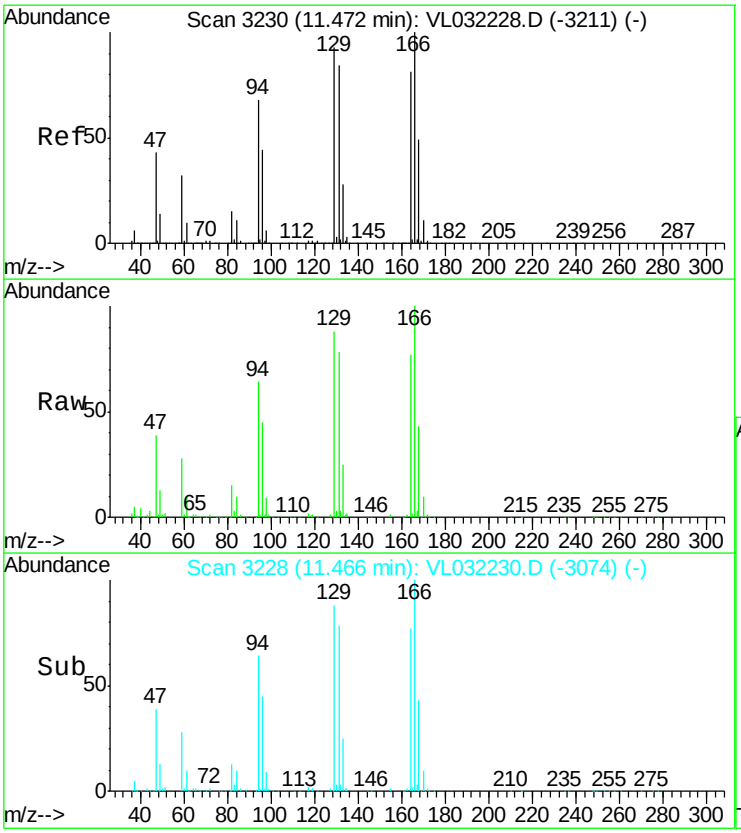
#51
2-Hexanone
Concen: 1.119 ppbv
RT: 10.38 min Scan# 2889
Delta R.T. 0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 411942

Ion	Ratio	Lower	Upper
43	100		
58	49.8	39.9	59.9
98	1.0	0.2	0.4#

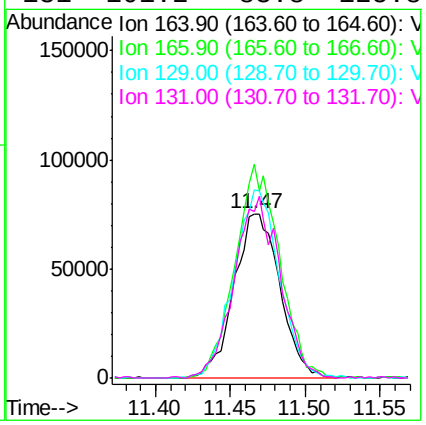


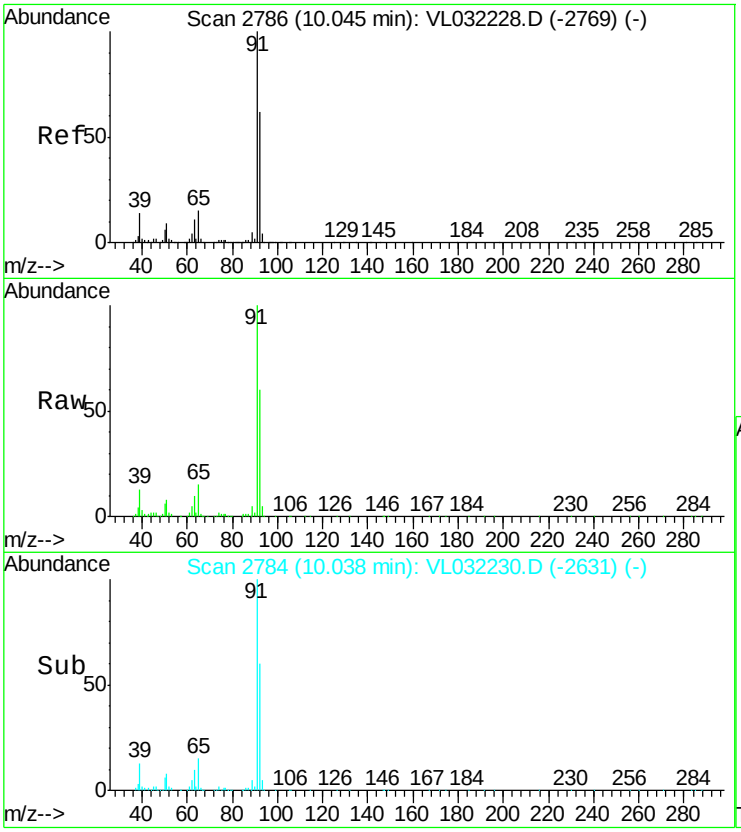


#52
Tetrachloroethene
Concen: 1.086 ppbv
RT: 11.47 min Scan# 3228
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion:164 Resp: 160025

Ion	Ratio	Lower	Upper
164	100		
166	129.0	99.3	148.9
129	114.8	92.0	138.0
131	101.2	83.8	125.8



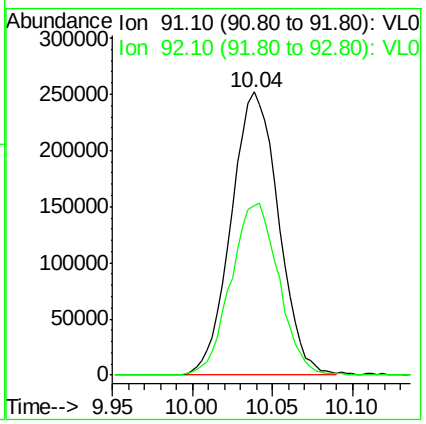


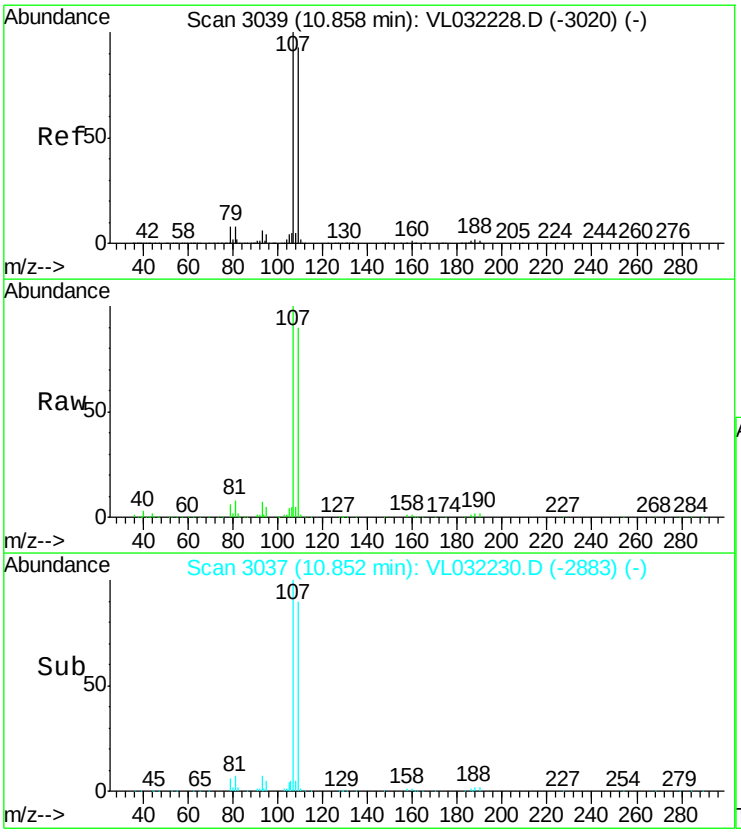
#53
Toluene
Concen: 1.035 ppbv
RT: 10.04 min Scan# 2784
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 505166

Ion	Ratio	Lower	Upper
91	100		
92	62.1	49.0	73.4

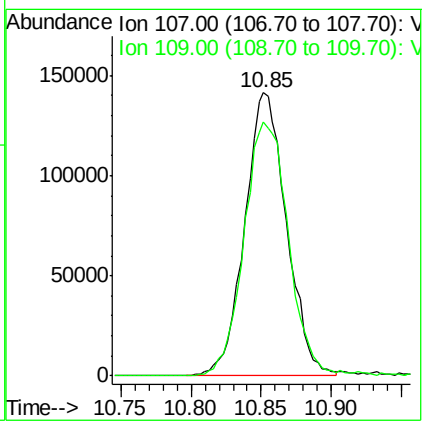


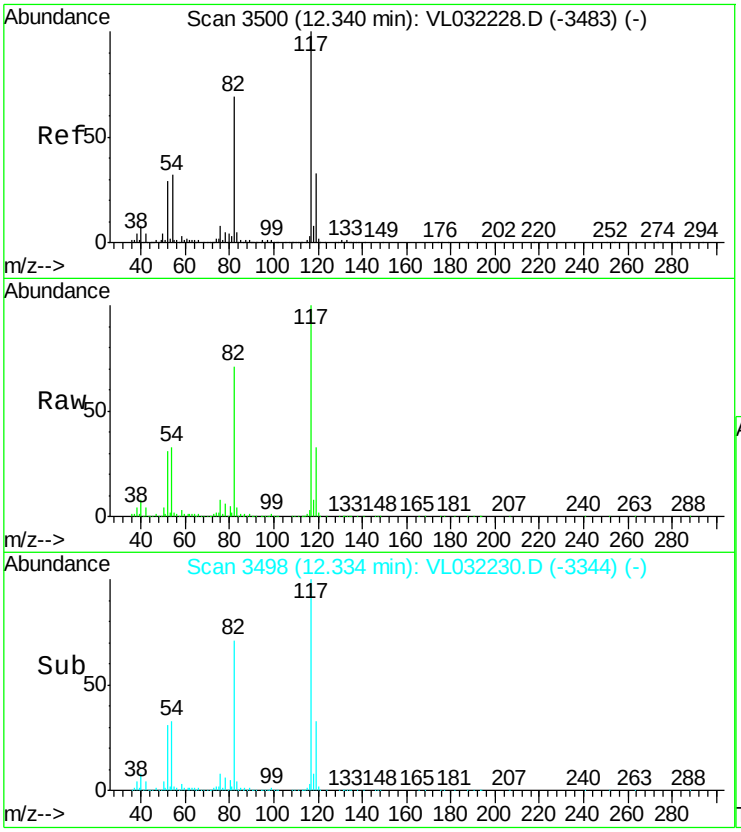


#54
1,2-Dibromoethane
Concen: 1.170 ppbv
RT: 10.85 min Scan# 3037
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion:107 Resp: 292810

Ion	Ratio	Lower	Upper
107	100		
109	89.8	74.3	111.5



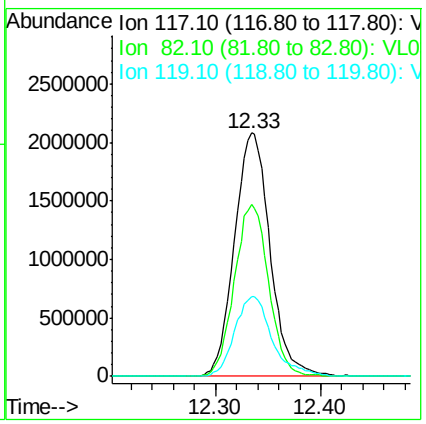


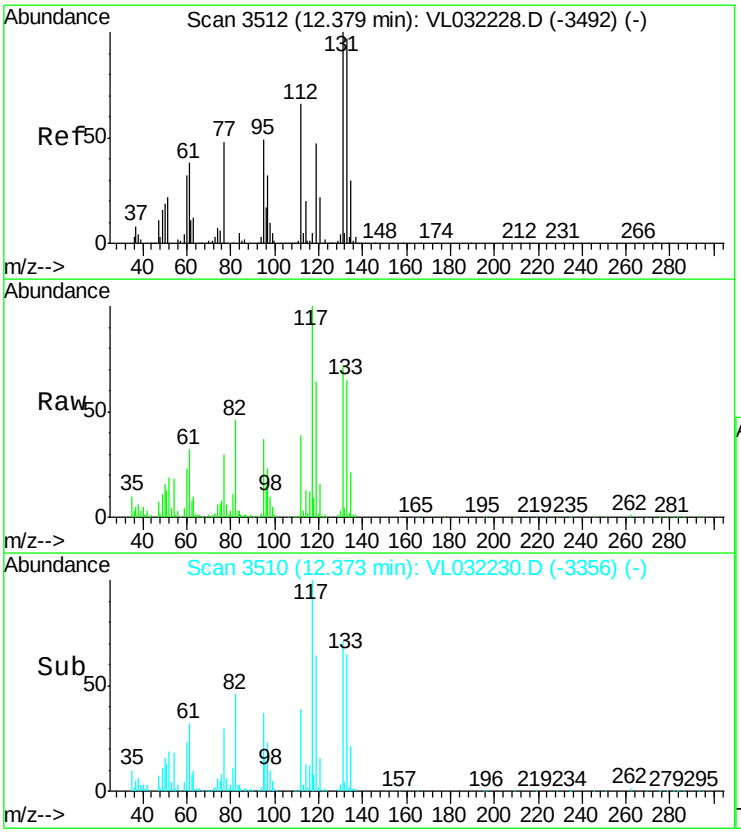
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 4876509

Ion	Ratio	Lower	Upper
117	100		
82	68.1	53.2	79.8
119	34.6	43.9	65.9#

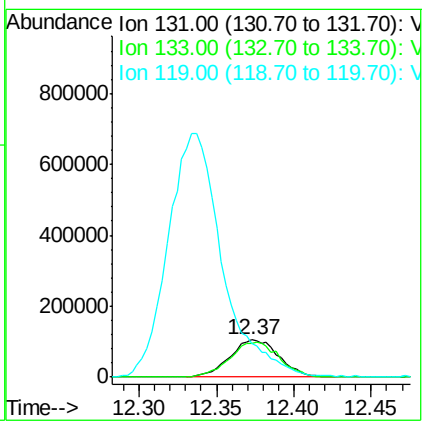


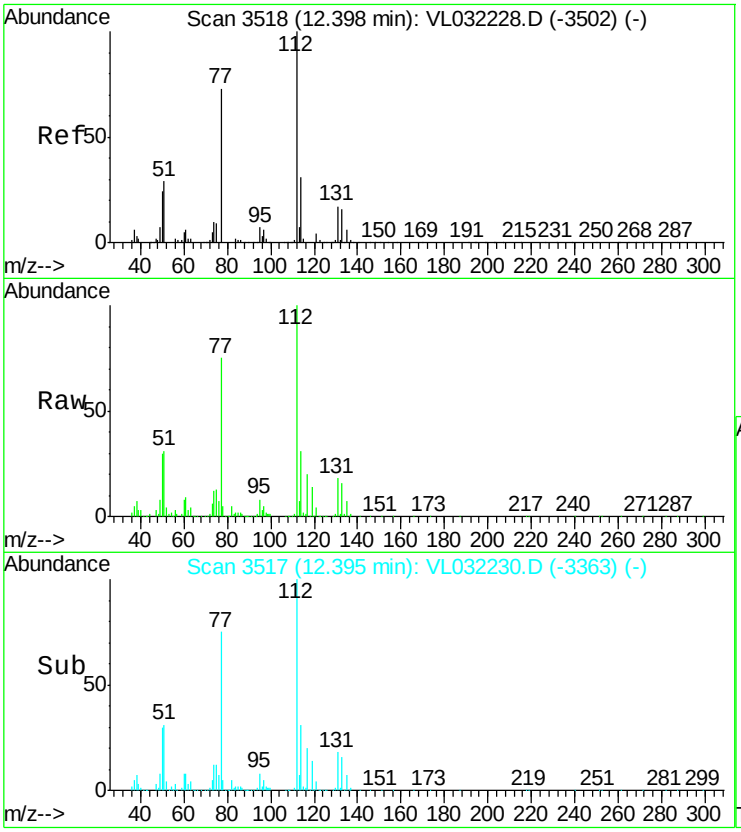


#56
1,1,1,2-Tetrachloroethane
Concen: 1.061 ppbv
RT: 12.37 min Scan# 3510
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion:131 Resp: 230379

Ion	Ratio	Lower	Upper
131	100		
133	95.6	75.2	112.8
119	732.7	113.9	170.9#



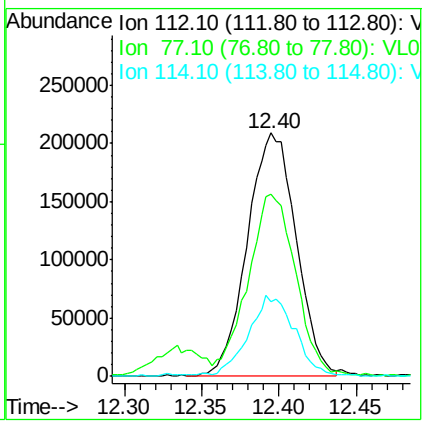


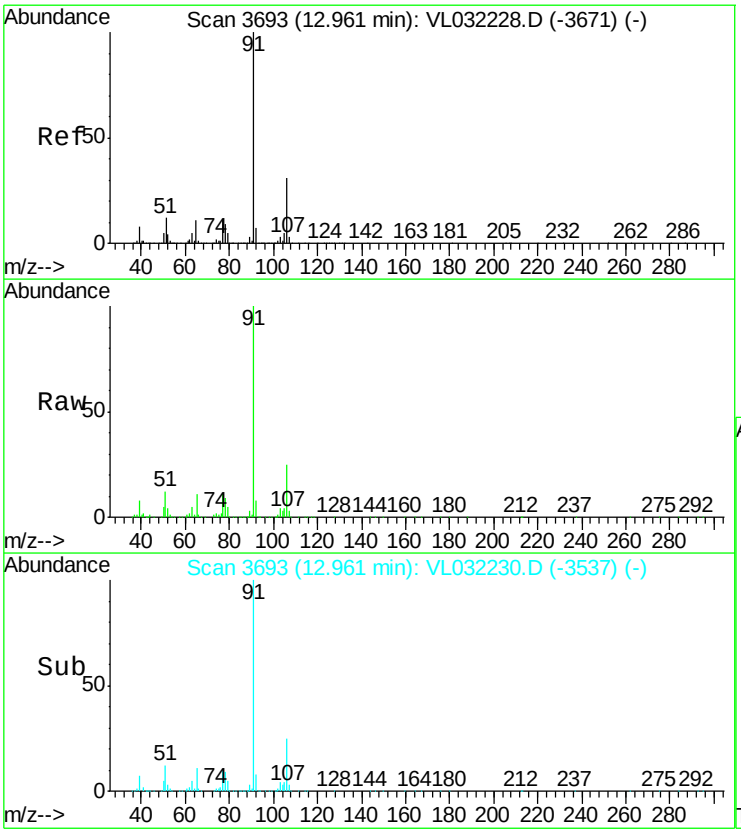
#57
Chlorobenzene
Concen: 1.089 ppbv
RT: 12.40 min Scan# 3517
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 457728

Ion	Ratio	Lower	Upper
112	100		
77	72.7	58.8	88.2
114	30.4	27.9	34.1

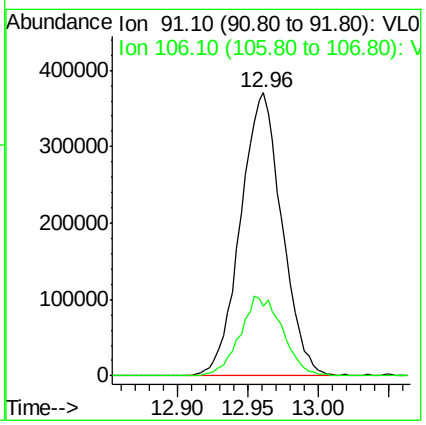


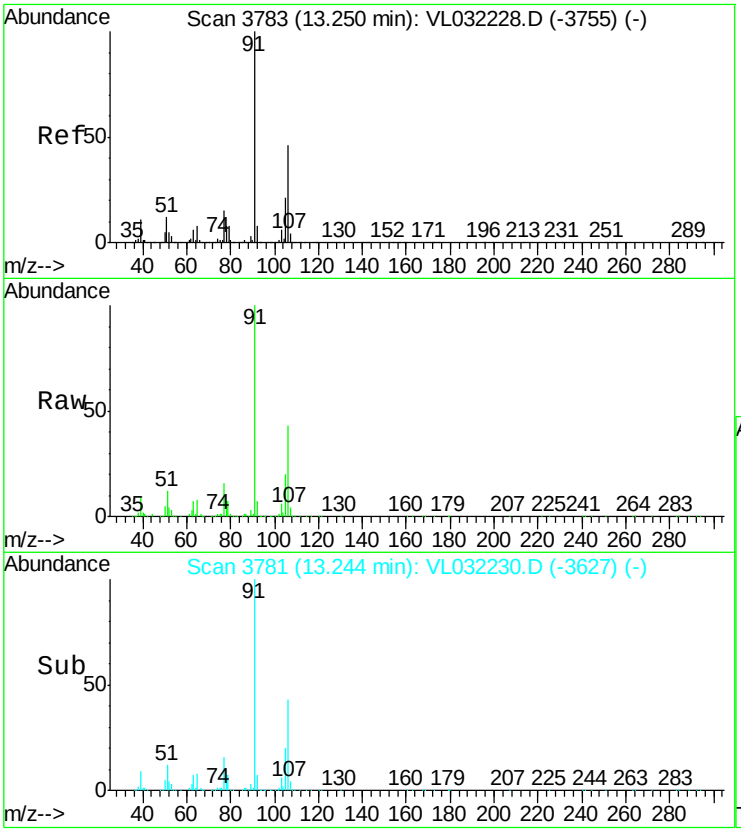


#58
Ethyl Benzene
Concen: 0.971 ppbv
RT: 12.96 min Scan# 3693
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 91 Resp: 760981

Ion	Ratio	Lower	Upper
91	100		
106	24.7	24.5	36.7



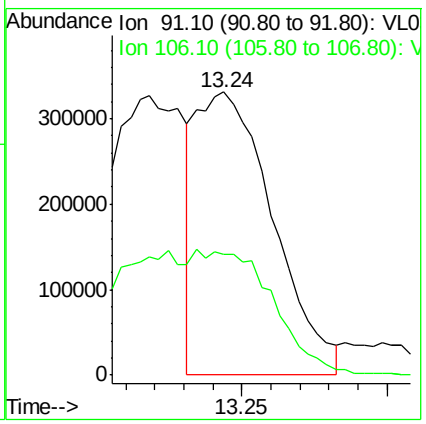


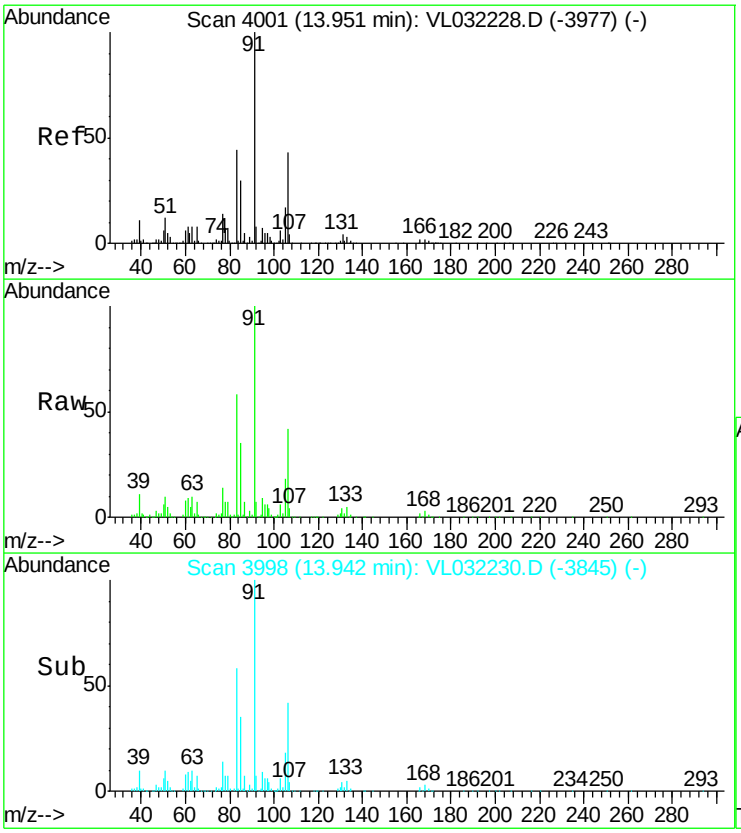
#59
m/p-Xylene
Concen: 0.960 ppbv
RT: 13.24 min Scan# 3781
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 604313

Ion	Ratio	Lower	Upper
91	100		
106	93.4	36.4	54.6#

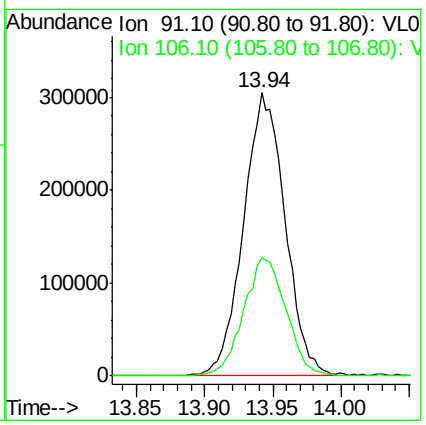


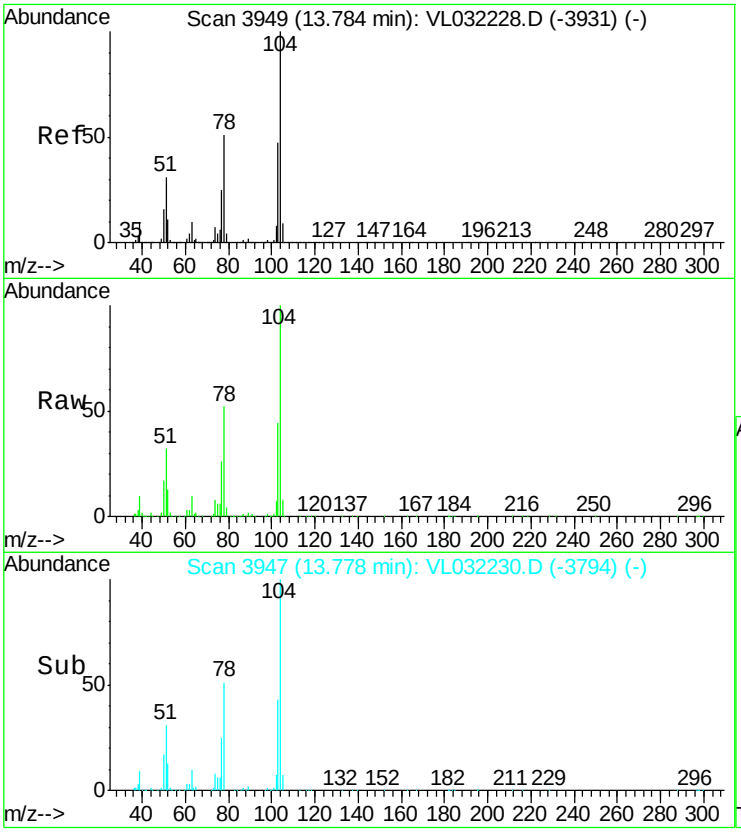


#60
o-Xylene
Concen: 1.022 ppbv
RT: 13.94 min Scan# 3998
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 91 Resp: 639776

Ion	Ratio	Lower	Upper
91	100		
106	43.2	21.9	65.5



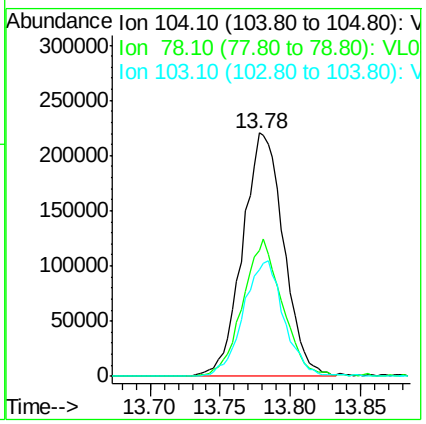


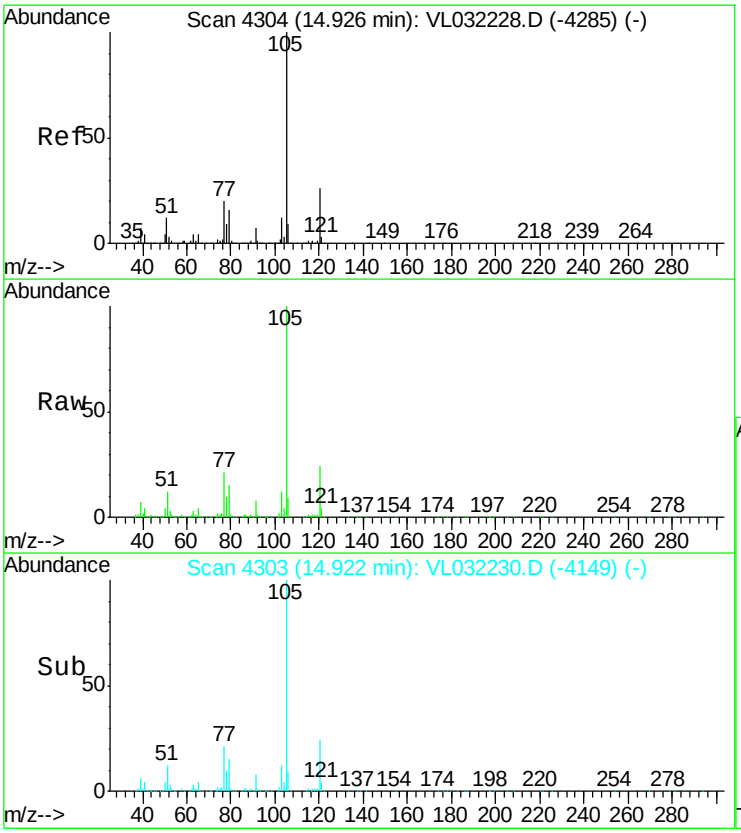
#61
Styrene
Concen: 0.887 ppbv
RT: 13.78 min Scan# 3947
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 450034

Ion	Ratio	Lower	Upper
104	100		
78	54.7	43.4	65.0
103	47.2	38.0	57.0

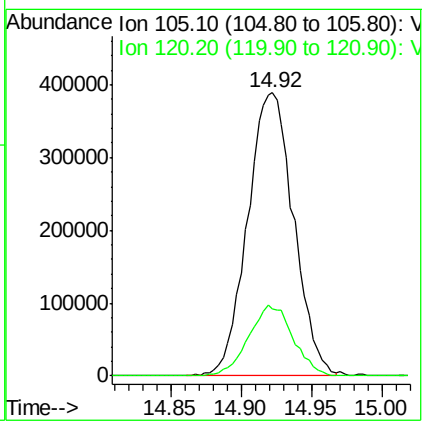


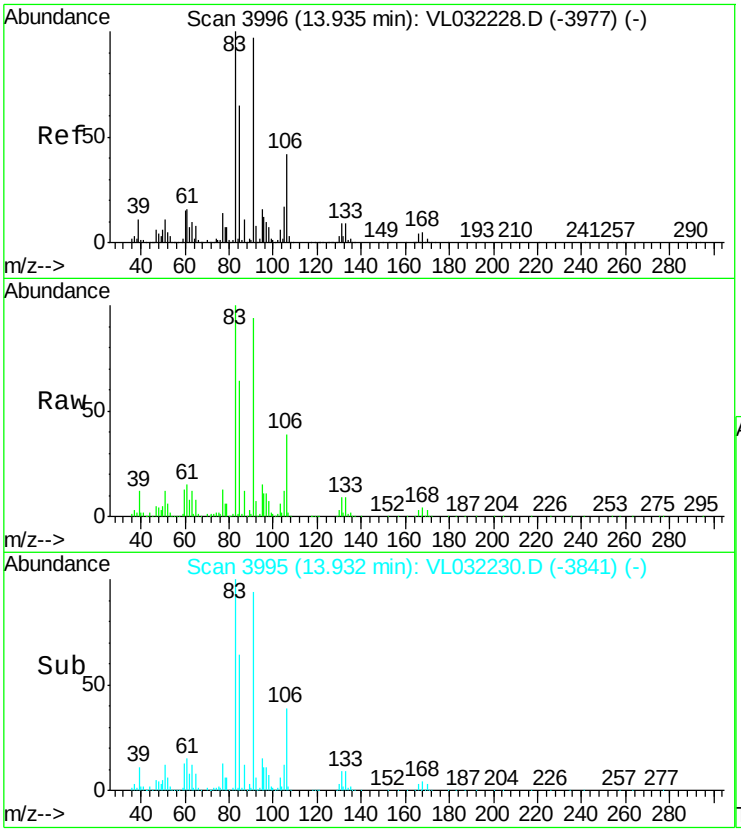


#62
Isopropylbenzene
Concen: 0.929 ppbv
RT: 14.92 min Scan# 4303
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion:105 Resp: 886845

Ion	Ratio	Lower	Upper
105	100		
120	24.2	20.2	30.2



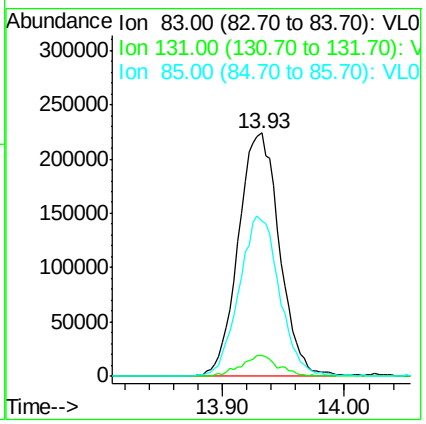


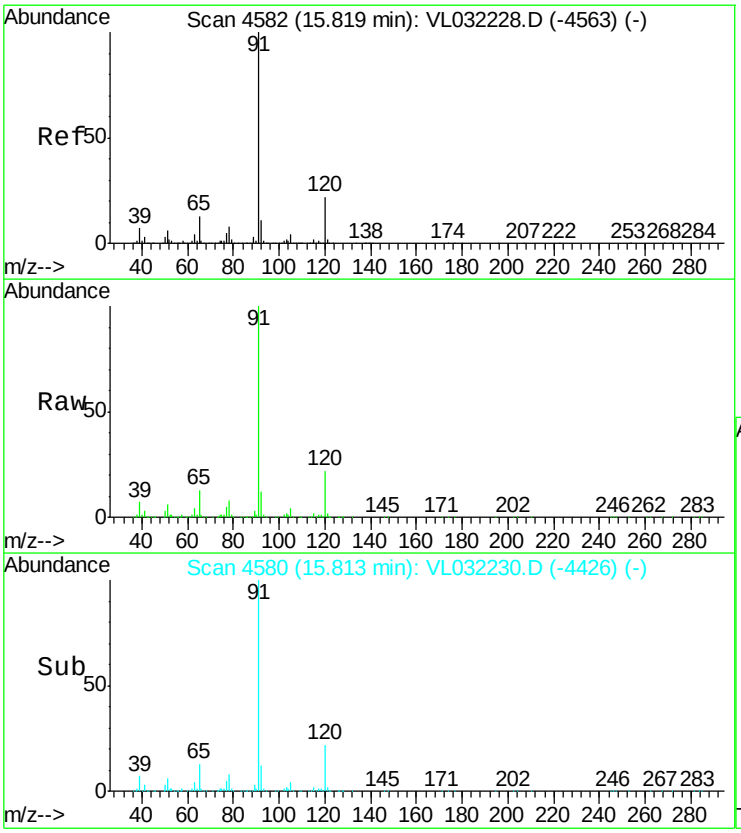
#63
1,1,2,2-Tetrachloroethane
Concen: 1.067 ppbv
RT: 13.93 min Scan# 3995
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 521064

Ion	Ratio	Lower	Upper
83	100		
131	8.0	4.3	12.8
85	65.1	32.5	97.5

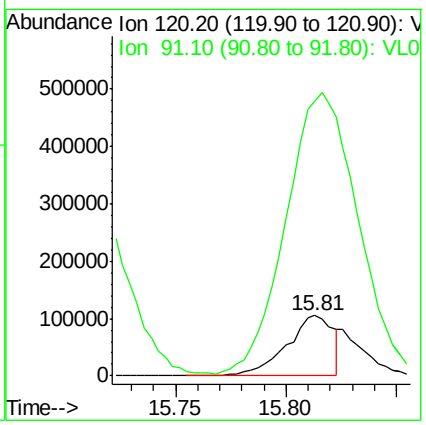


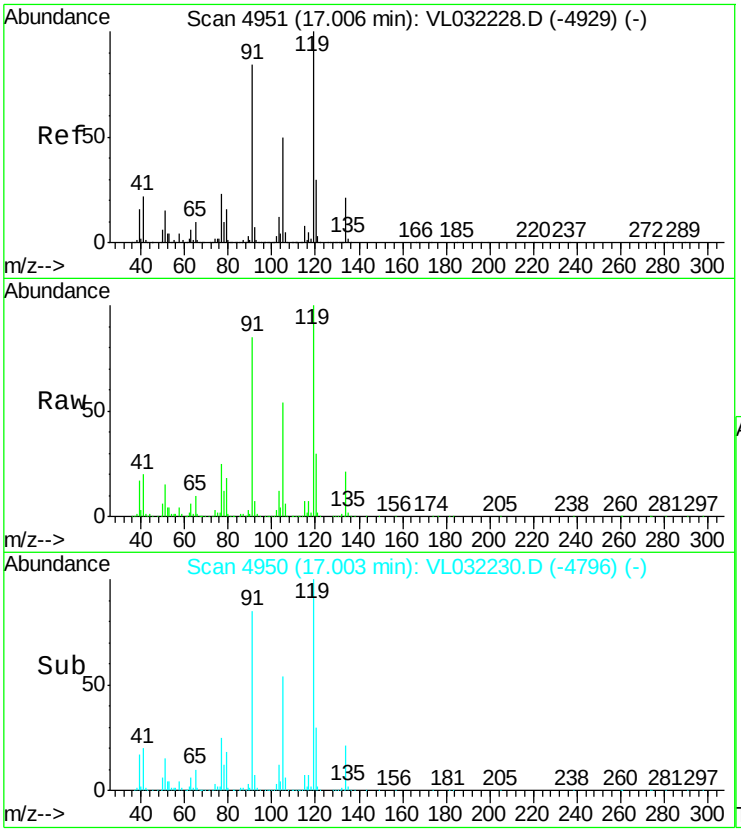


#64
n-propylbenzene
Concen: 0.621 ppbv
RT: 15.81 min Scan# 4580
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion:120 Resp: 153780

Ion	Ratio	Lower	Upper
120	100		
91	737.4	385.0	577.4#



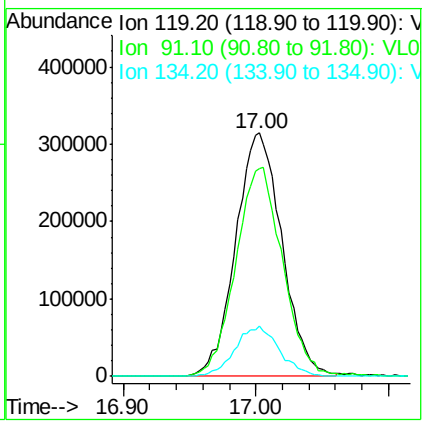


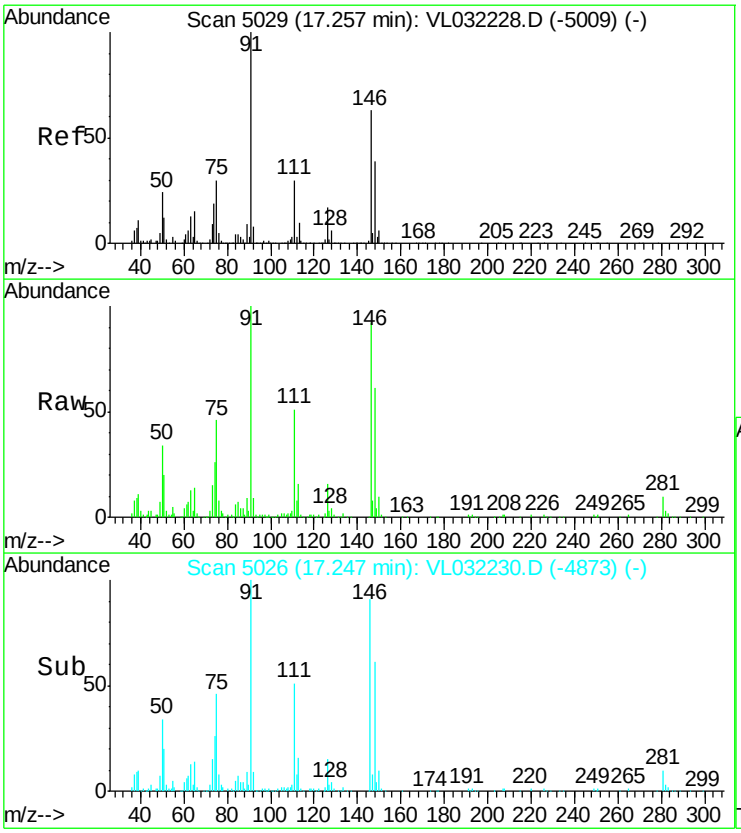
#65
tert-Butylbenzene
Concen: 0.904 ppbv
RT: 17.00 min Scan# 4950
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 757194

Ion	Ratio	Lower	Upper
119	100		
91	87.8	68.6	102.8
134	19.8	15.4	23.2

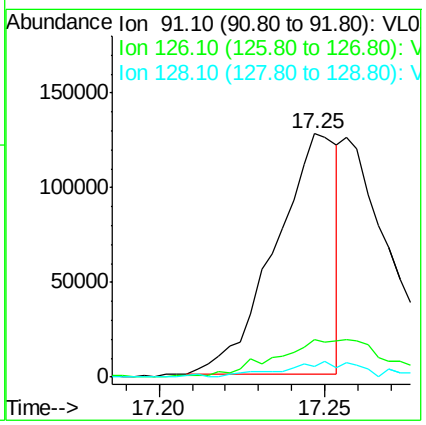


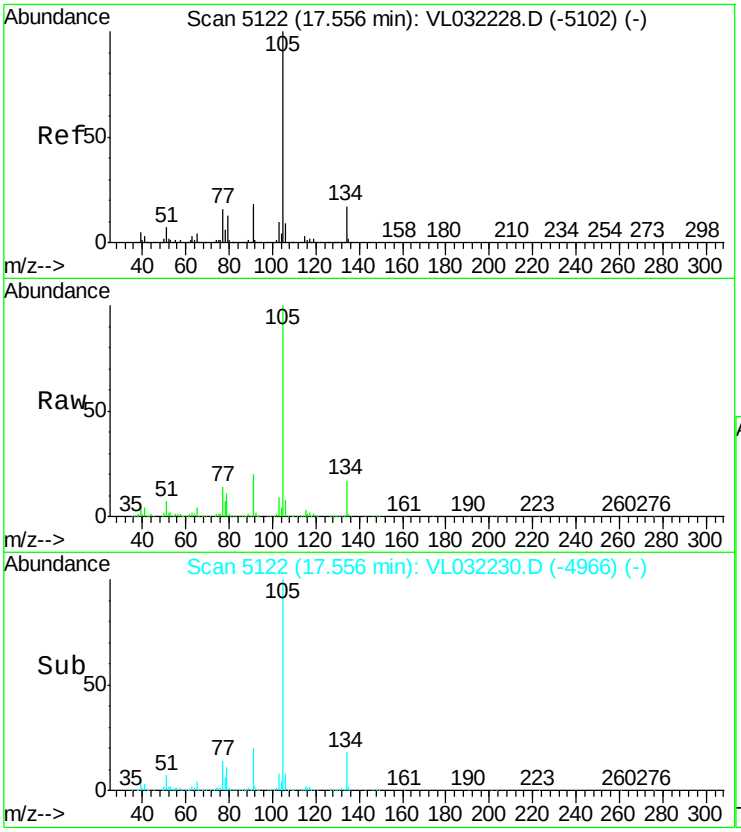


#66
Benzyl Chloride
Concen: 0.326 ppbv
RT: 17.25 min Scan# 5026
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 91 Resp: 165283

Ion	Ratio	Lower	Upper
91	100		
126	29.5	13.4	20.0#
128	9.8	4.5	6.7#



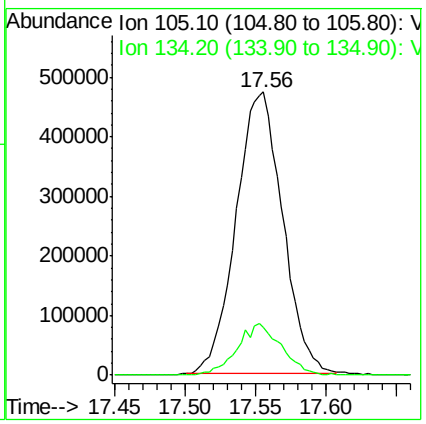


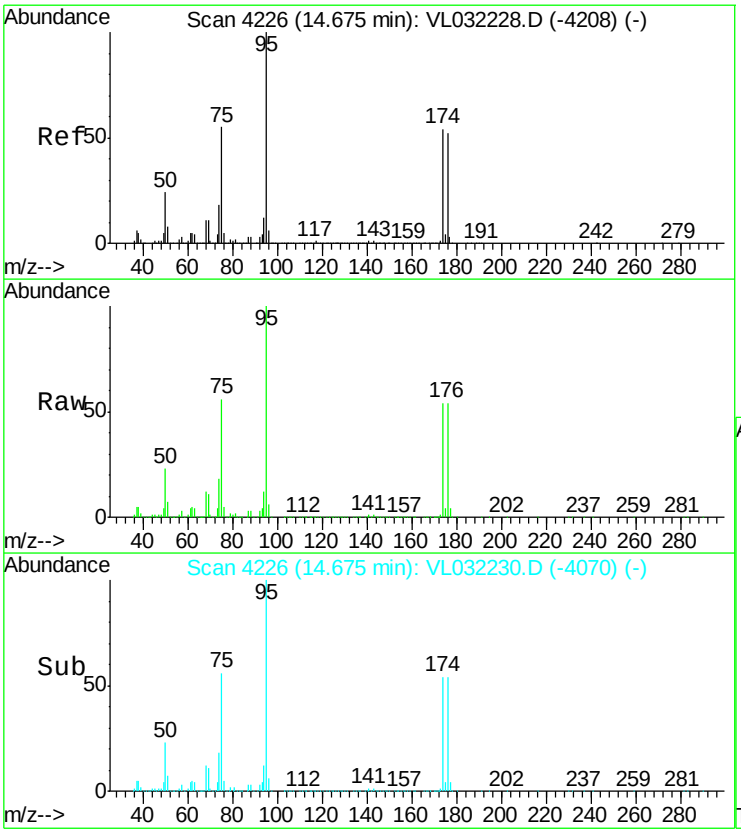
#67
sec-Butylbenzene
Concen: 0.887 ppbv
RT: 17.56 min Scan# 5122
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 1090771

Ion	Ratio	Lower	Upper
105	100		
134	17.3	14.2	21.2

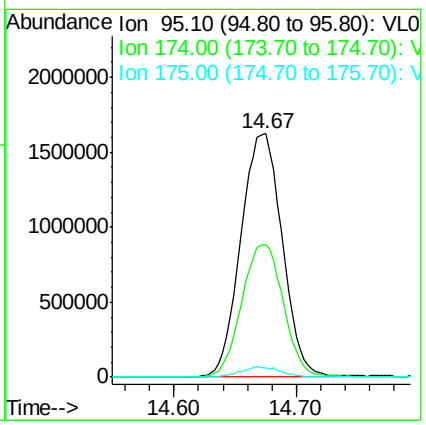


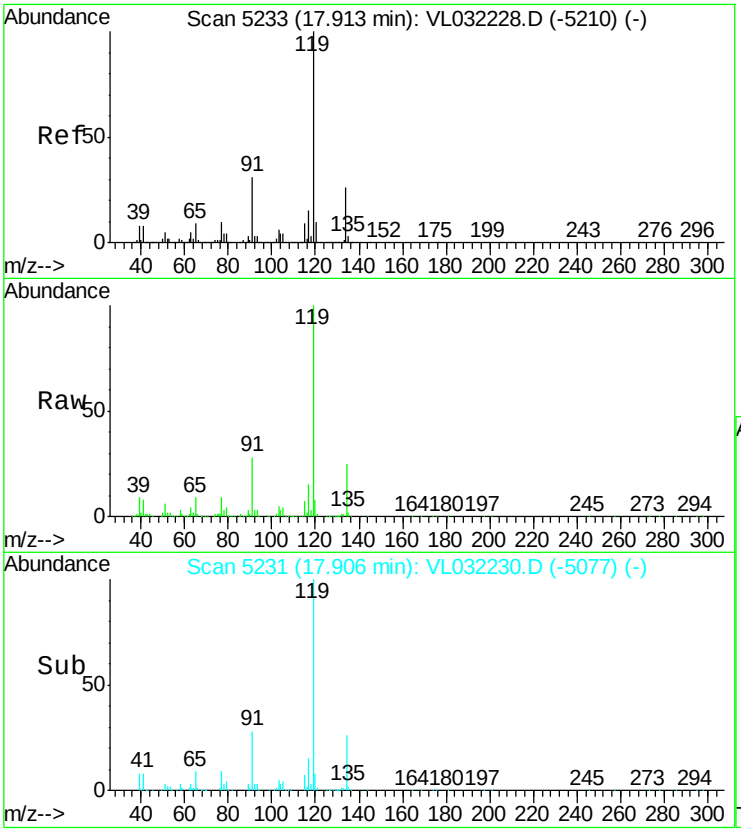


#68
1-Bromo-4-Fluorobenzene
Concen: 10.183 ppbv
RT: 14.67 min Scan# 4226
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 95 Resp: 3812183

Ion	Ratio	Lower	Upper
95	100		
174	55.3	44.6	67.0
175	4.1	3.3	4.9



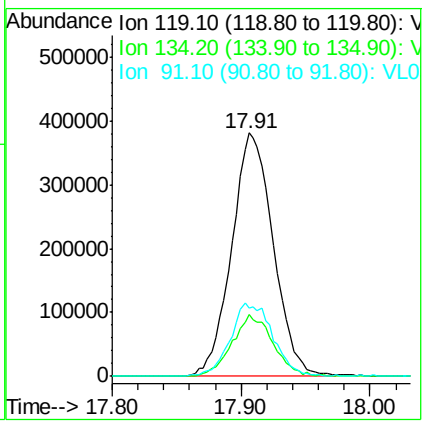


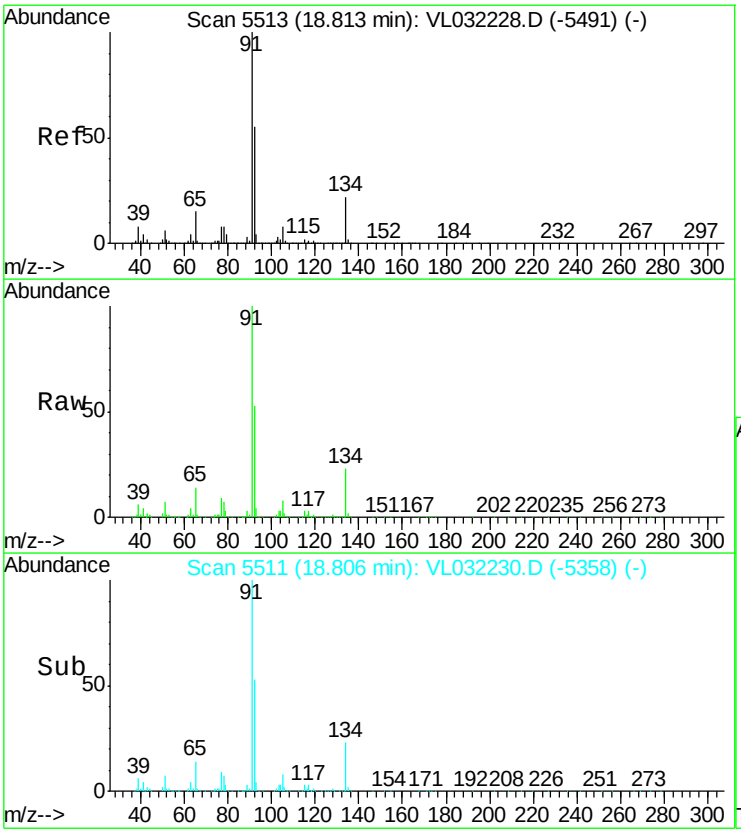
#69
p-Isopropyltoluene
Concen: 0.863 ppbv
RT: 17.91 min Scan# 5231
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 847773

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.1	30.1
91	30.6	24.2	36.2

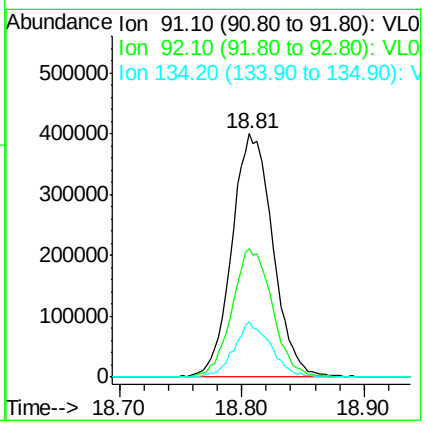


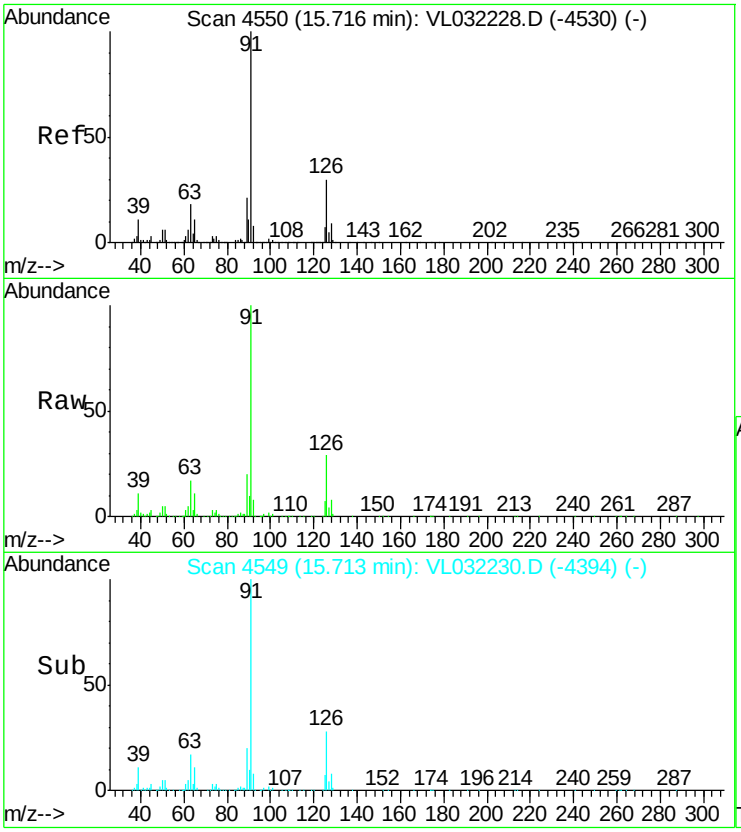


#70
n-Butylbenzene
Concen: 0.885 ppbv
RT: 18.81 min Scan# 5511
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 91 Resp: 916599

Ion	Ratio	Lower	Upper
91	100		
92	52.7	43.6	65.4
134	20.8	17.1	25.7



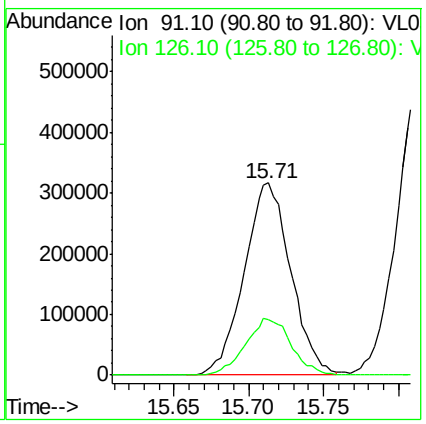


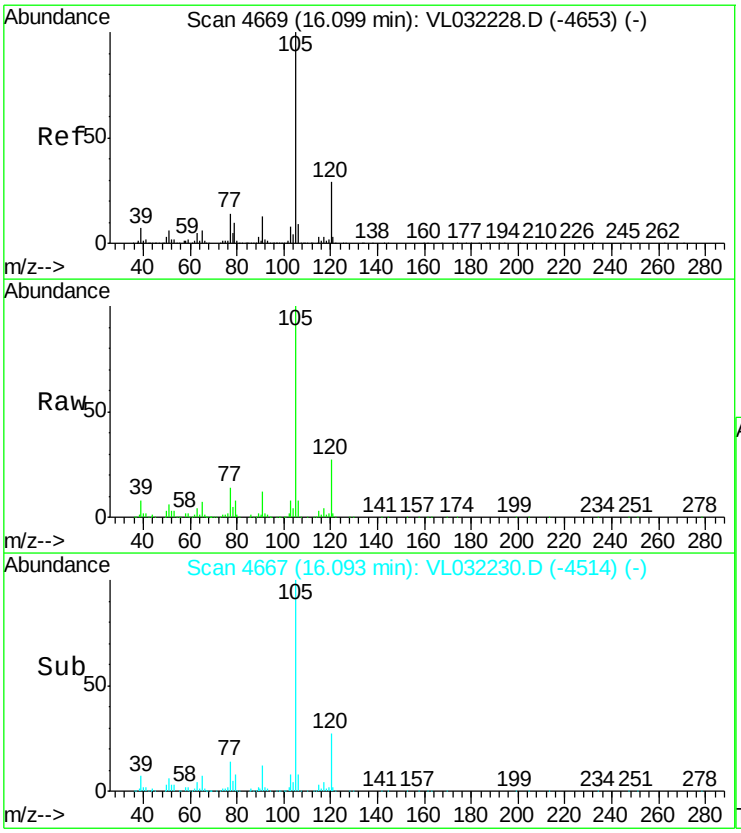
#71
2-Chlorotoluene
Concen: 0.923 ppbv
RT: 15.71 min Scan# 4549
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 685596

Ion	Ratio	Lower	Upper
91	100		
126	29.2	11.7	46.7

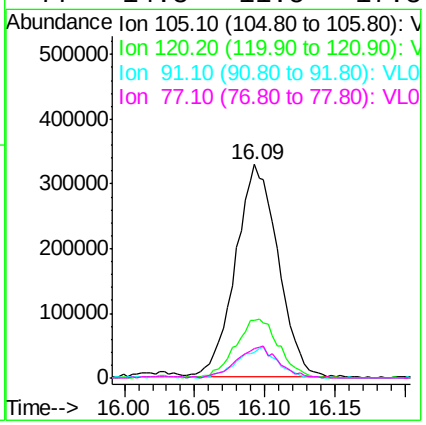


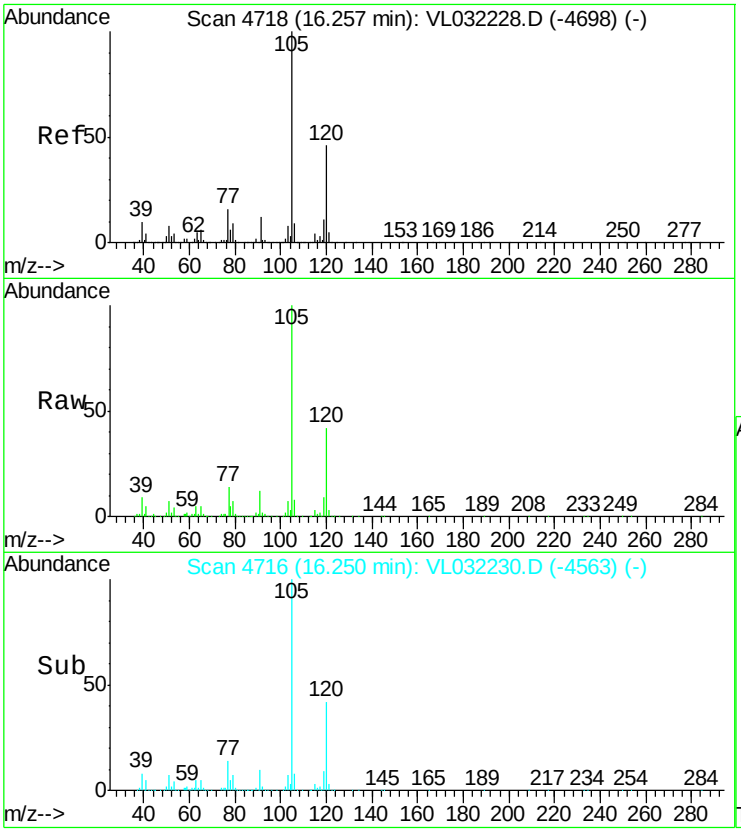


#72
4-Ethyltoluene
Concen: 0.863 ppbv
RT: 16.09 min Scan# 4667
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion:105 Resp: 694458

Ion	Ratio	Lower	Upper
105	100		
120	28.6	23.3	34.9
91	13.4	10.3	15.5
77	14.3	11.5	17.3



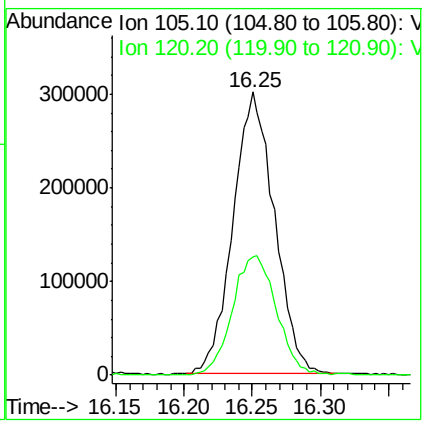


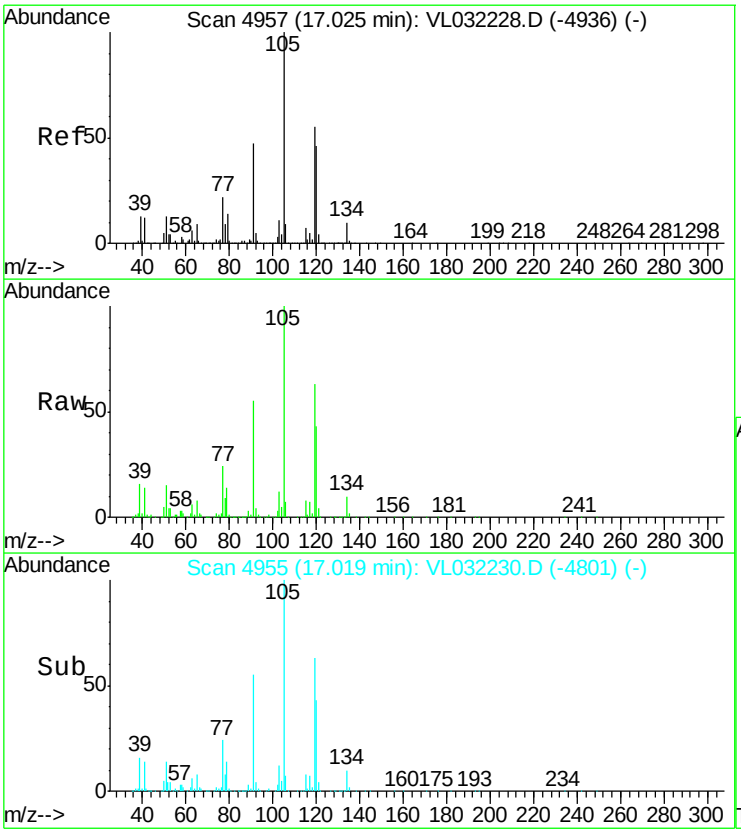
#73
1,3,5-Trimethylbenzene
Concen: 0.837 ppbv
RT: 16.25 min Scan# 4716
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 634253

Ion	Ratio	Lower	Upper
105	100		
120	41.8	36.6	54.8

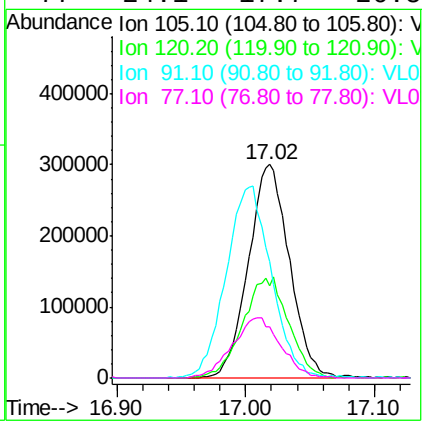


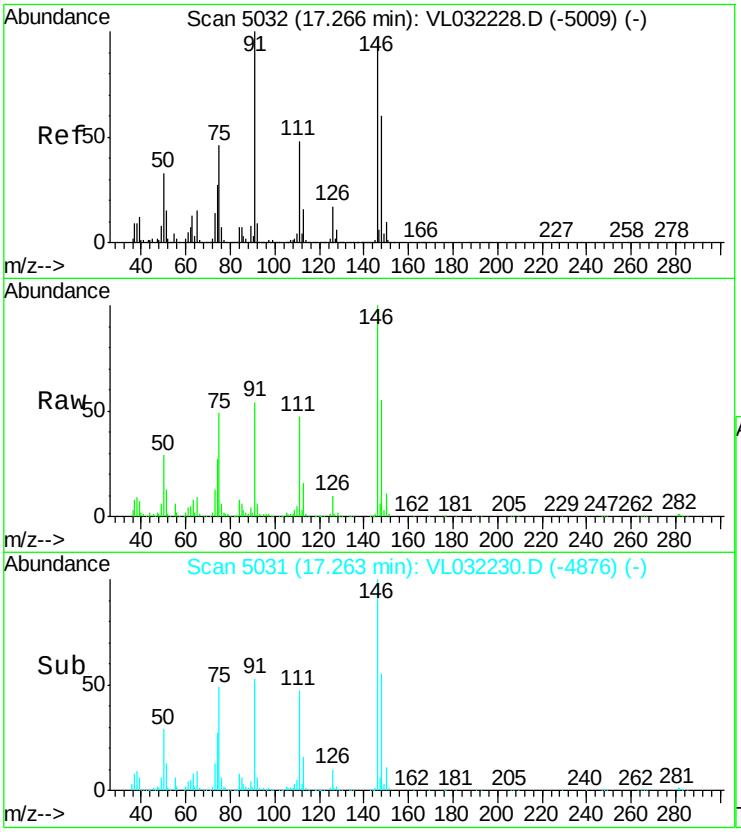


#74
1,2,4-Trimethylbenzene
Concen: 0.871 ppbv
RT: 17.02 min Scan# 4955
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion:105 Resp: 666665

Ion	Ratio	Lower	Upper
105	100		
120	43.0	37.0	55.4
91	53.8	38.2	57.2
77	24.1	17.7	26.5



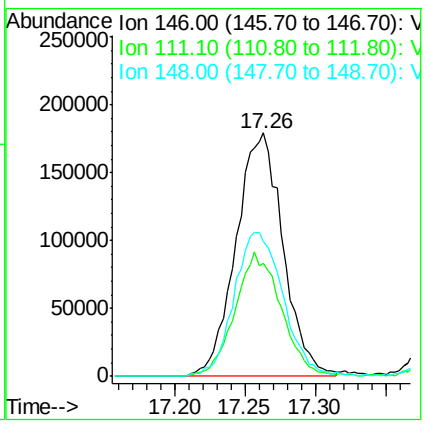


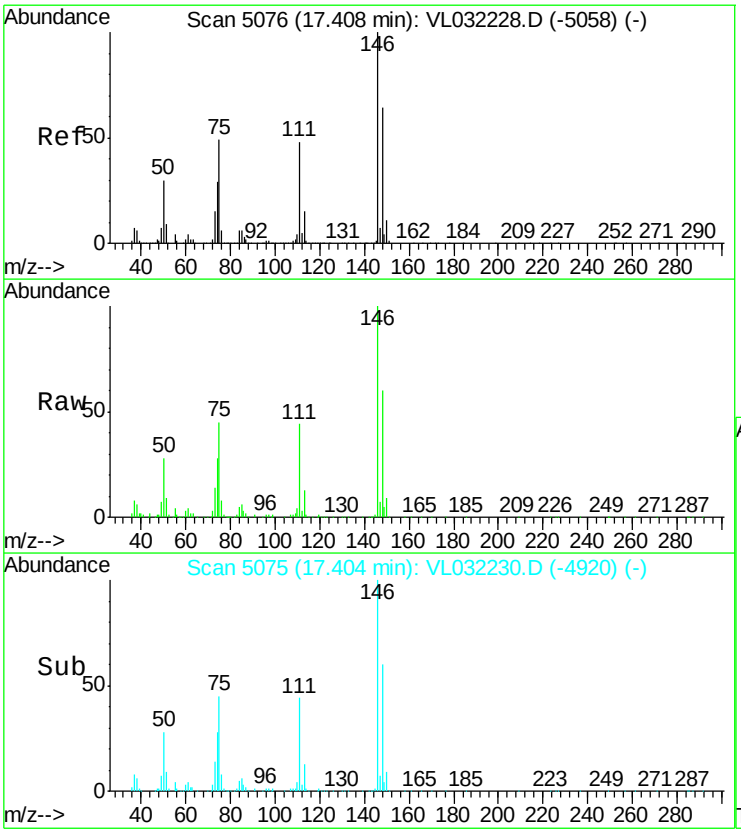
#75
1,3-Dichlorobenzene
Concen: 0.959 ppbv
RT: 17.26 min Scan# 5031
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 415198

Ion	Ratio	Lower	Upper
146	100		
111	51.1	24.9	74.7
148	62.5	31.9	95.5

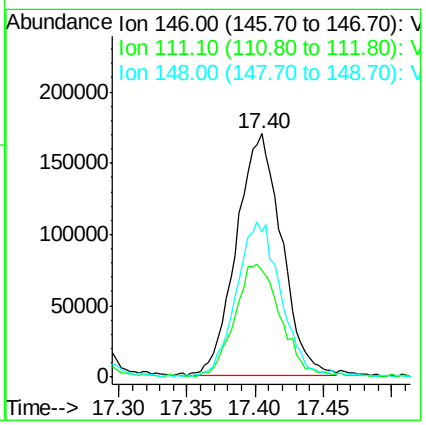


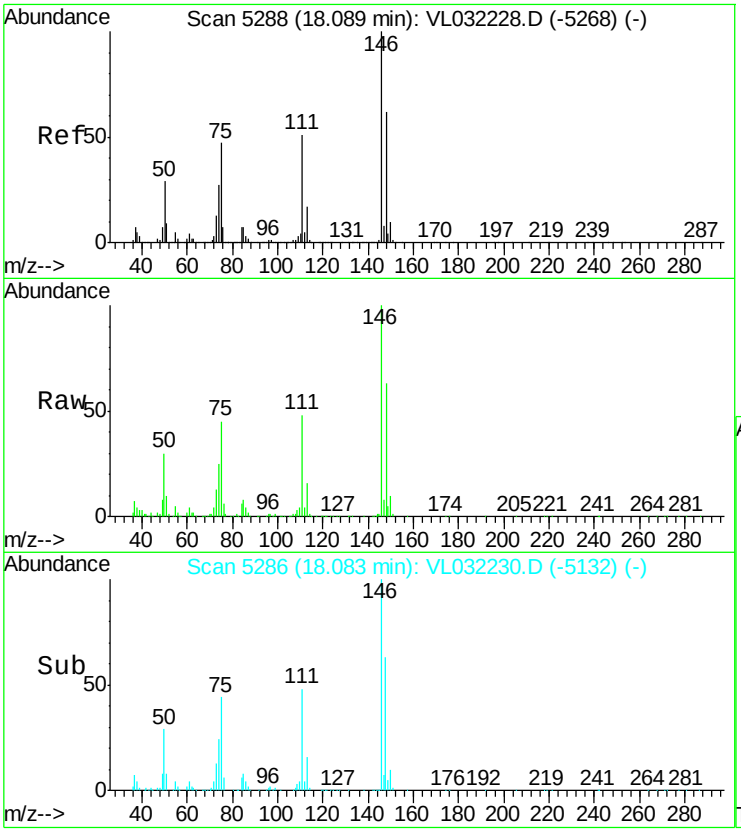


#76
1,4-Dichlorobenzene
Concen: 0.896 ppbv
RT: 17.40 min Scan# 5075
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion:146 Resp: 391932

Ion	Ratio	Lower	Upper
146	100		
111	48.4	24.6	73.6
148	63.9	32.3	96.9



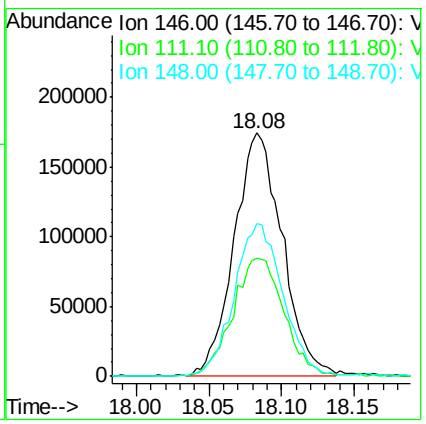


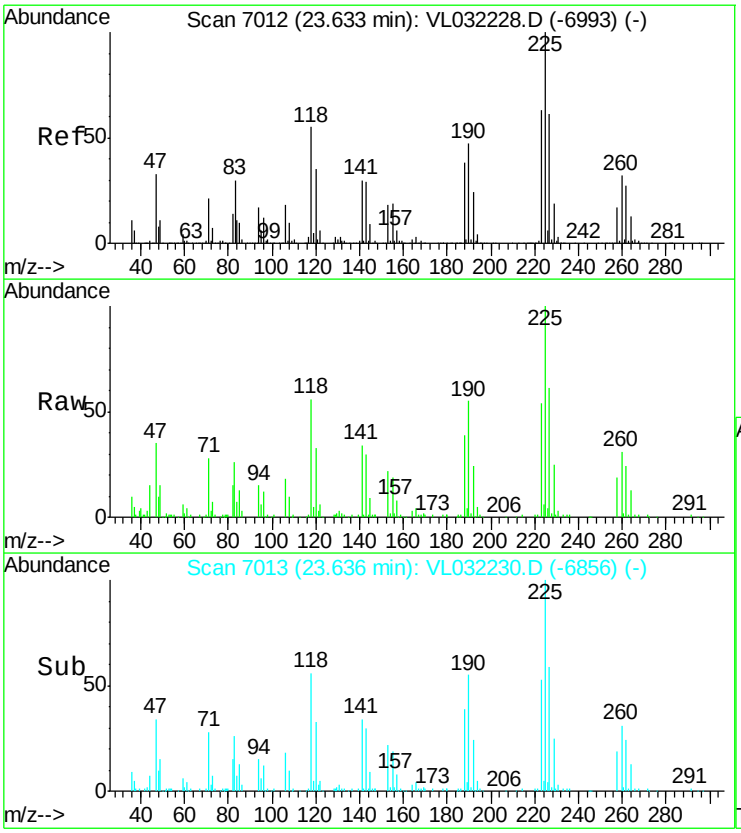
#77
1,2-Dichlorobenzene
Concen: 0.927 ppbv
RT: 18.08 min Scan# 5286
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 399771

Ion	Ratio	Lower	Upper
146	100		
111	52.8	26.1	78.3
148	64.5	32.0	96.0

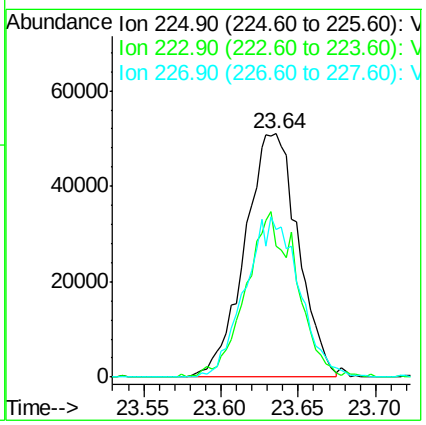


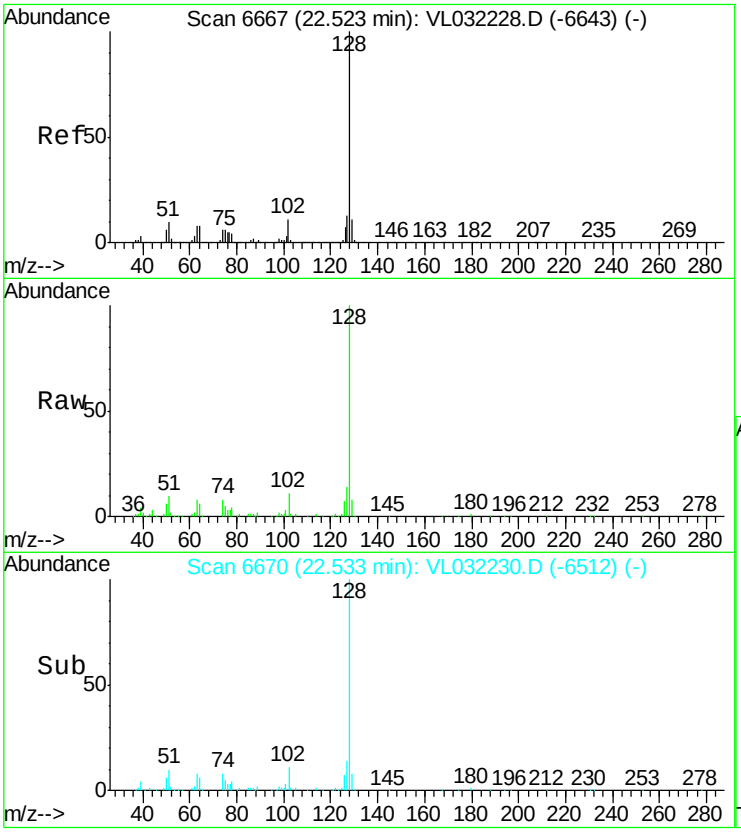


#78
Hexachloro-1,3-Butadiene
Concen: 0.831 ppbv
RT: 23.64 min Scan# 7013
Delta R.T. 0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion:225 Resp: 122337

Ion	Ratio	Lower	Upper
225	100		
223	64.5	50.3	75.5
227	66.7	50.9	76.3



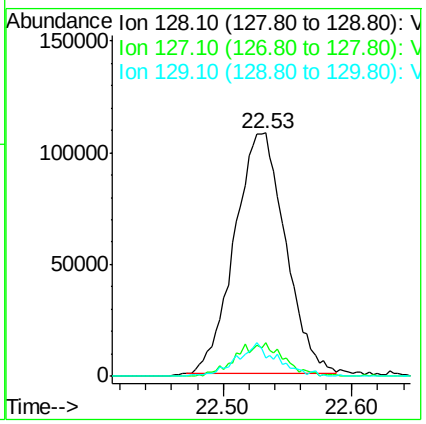


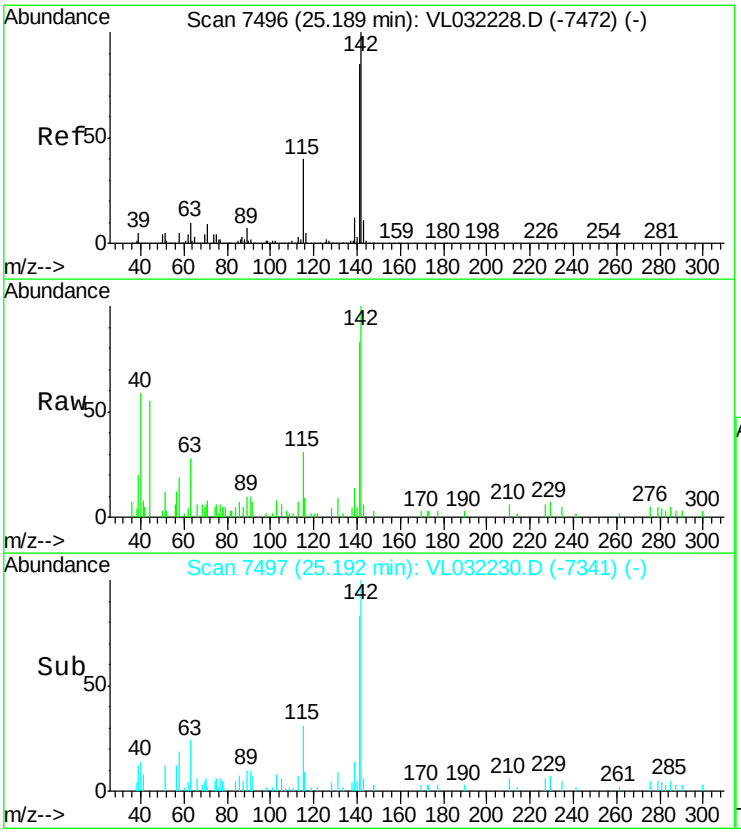
#79
Naphthalene
Concen: 0.432 ppbv
RT: 22.53 min Scan# 6670
Delta R.T. 0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 295287

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.0	15.0
129	7.6	9.0	13.4#

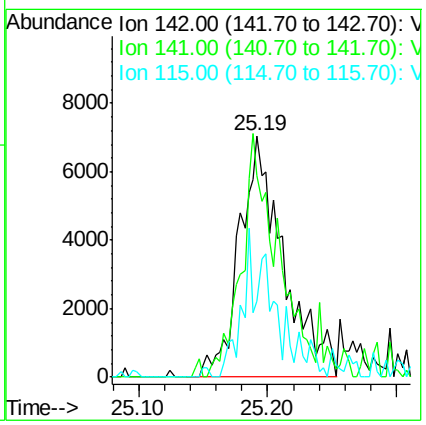


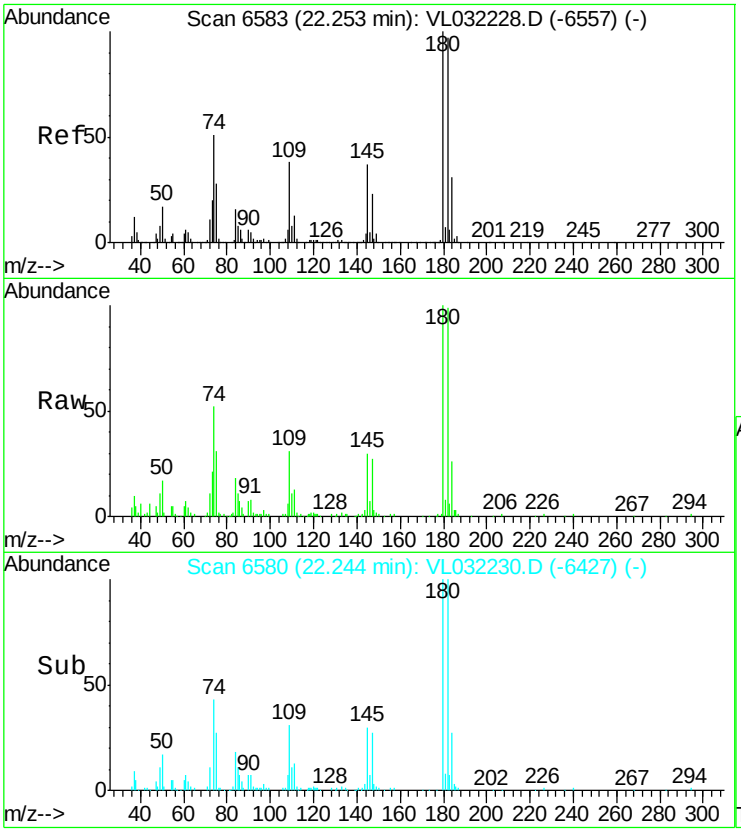


#80
Naphthalene,2-methyl-
Concen: 0.069 ppbv
RT: 25.19 min Scan# 7497
Delta R.T. 0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion:142 Resp: 16615

Ion	Ratio	Lower	Upper
142	100		
141	88.3	67.0	100.6
115	45.1	32.6	49.0





#81
1,2,4-Trichlorobenzene
Concen: 0.281 ppbv
RT: 22.24 min Scan# 6580
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 86295

Ion	Ratio	Lower	Upper
180	100		
182	192.8	76.1	114.1#
184	0.0	24.2	36.4#