Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL113018\

Quantitation Report (Not Reviewed)

Data File : VL032846.D
Acq On : 30 Nov 2018 11:16
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Dec 01 02:20:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1427537	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3709097	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3808444	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2819895	9.90	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1883525	9.179	ppbv	98
3) Chlorodifluoromethane	3.02	51	1070626	9.460	ppbv	99
4) Chloromethane	3.17	50	560007	8.924	ppbv	98
5) Vinyl Chloride	3.30	62	587743	8.839	ppbv	96
6) Bromomethane	3.52	94	396532	9.748	ppbv	90
7) Chloroethane	3.61	64	230469	9.616	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1509010	9.332	ppbv	98
9) Propene	3.04	41	413925	9.139	ppbv	100
10) Heptane	8.26	43	1762798	10.195	ppbv	100
11) Trichlorofluoromethane	4.01	101	2374393	12.278	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1677211	10.618	ppbv	96
13) Ethanol	3.66	45	107572	7.251	ppbv	97
14) Bromoethene	3.80	108	523742	9.994	ppbv	100
15) Acetone	3.91	43	1106891	8.491	ppbv	100
16) 1,3-Butadiene	3.37	39	503572	9.975	ppbv	96
17) tert-Butyl alcohol	4.36	59	442963	10.834	ppbv	99
18) 1,1-Dichloroethene	4.36	96	790524	10.178	ppbv	94
19) Isopropyl Alcohol	4.03	45	1067241	12.289	ppbv	99
20) Methylene Chloride	4.42	84	706500	10.468	ppbv	98
21) Allyl Chloride	4.49	41	1109149	10.124	ppbv	98
22) trans-1,2-Dichloroethene	4.97	96	789415	10.408	ppbv	96
23) Vinyl Acetate	5.16	43	2316522	9.748	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1839034	9.734	ppbv	99
25) Ethyl Acetate	5.78	43	2938778	9.672	ppbv	99
26) Hexane	5.79	57	1359413	10.051	ppbv	99
27) Carbon Disulfide	4.63	76	1900740	11.083	ppbv	100
28) Methyl tert-Butyl Ether	5.12	73	2270401	10.526	ppbv	99
29) Chloroform	5.86	83	2464878	10.225	ppbv	97
30) Cyclohexane	7.26	84	1223682	10.344	ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	1400537	10.299	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	2506407	9.485	ppbv	100
34) 2-Butanone	5.34	43	1841457	9.572	ppbv	99
35) Carbon Tetrachloride	7.15	117	2759229	9.254	ppbv	99
36) Benzene	7.02	78	2879300	9.748	ppbv	97
37) 1,2-Dichloroethane	6.42	62	1912526	9.619	ppbv	99
38) Trichloroethene	7.97	130	1209047	10.115	ppbv	97
39) 1,2-Dichloropropane	7.75	63	1071179	9.519	ppbv	97
40) 1,4-Dioxane	7.96	88	409078	10.178	ppbv	87
41) Tetrahydrofuran	6.16	42	1096516	9.937	ppbv	99
42) Bromodichloromethane	7.93	83	2640329	9.796	ppbv	97
43) Methyl Methacrylate	8.15	69	1148522	10.416	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL113018\

Quantitation Report (Not Reviewed)

Data File : VL032846.D
Acq On : 30 Nov 2018 11:16
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Dec 01 02:20:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4871937	9.871	ppbv		100
45) t-1,3-Dichloropropene	9.43	75	1726304	11.667	ppbv		97
46) cis-1,3-Dichloropropene	8.85	75	1934684	10.823	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	1333155	10.019	ppbv		95
48) Dibromochloromethane	10.46	129	2339725	10.345	ppbv		100
49) Bromoform	13.22	173	2020804	10.819	ppbv		99
50) 4-Methyl-2-Pentanone	8.88	43	2846185	9.472	ppbv		100
51) 2-Hexanone	10.28	43	2085087	10.771	ppbv	#	99
52) Tetrachloroethene	11.38	164	1075586	10.468	ppbv		99
53) Toluene	9.96	91	3387261	10.993	ppbv		99
54) 1,2-Dibromoethane	10.77	107	1939101	10.309	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.29	131	1635270	9.206	ppbv		98
57) Chlorobenzene	12.31	112	2670619	9.161	ppbv		99
58) Ethyl Benzene	12.88	91	4636610	10.116	ppbv		98
59) m/p-Xylene	13.14	91	4291733	10.518	ppbv	#	31
60) o-Xylene	13.87	91	3836484	9.351	ppbv		99
61) Styrene	13.70	104	2839072	10.630	ppbv		99
62) Isopropylbenzene	14.84	105	5514294	9.944	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.85	83	2664048	8.330	ppbv		100
64) n-propylbenzene	15.74	120	1395026	9.564	ppbv		97
65) tert-Butylbenzene	16.92	119	4894666	9.847	ppbv		99
66) Benzyl Chloride	17.17	91	2716106	9.883	ppbv		100
67) sec-Butylbenzene	17.47	105	6851326	9.564	ppbv		99
69) p-Isopropyltoluene	17.83	119	5573854	9.785	ppbv		99
70) n-Butylbenzene	18.73	91	5521446	9.546	ppbv		99
71) 2-Chlorotoluene	15.63	91	4064875	9.829	ppbv		99
72) 4-Ethyltoluene	16.01	105	4460786	9.920	ppbv		99
73) 1,3,5-Trimethylbenzene	16.17	105	4245979	9.657	ppbv		100
74) 1,2,4-Trimethylbenzene	16.94	105	4347527	9.240	ppbv	#	92
75) 1,3-Dichlorobenzene	17.18	146	2433591	9.018	ppbv		100
76) 1,4-Dichlorobenzene	17.32	146	2362304	9.371	ppbv		100
77) 1,2-Dichlorobenzene	18.00	146	2339660	9.371	ppbv		99
78) Hexachloro-1,3-Butadiene	23.56	225	1387615	10.298	ppbv		99
79) Naphthalene	22.43	128	3066402	9.921	ppbv		98
80) Naphthalene,2-methyl-	25.13	142	790464	10.212	ppbv		98
81) 1,2,4-Trichlorobenzene	22.15	180	1575233	10.149	ppbv		99

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

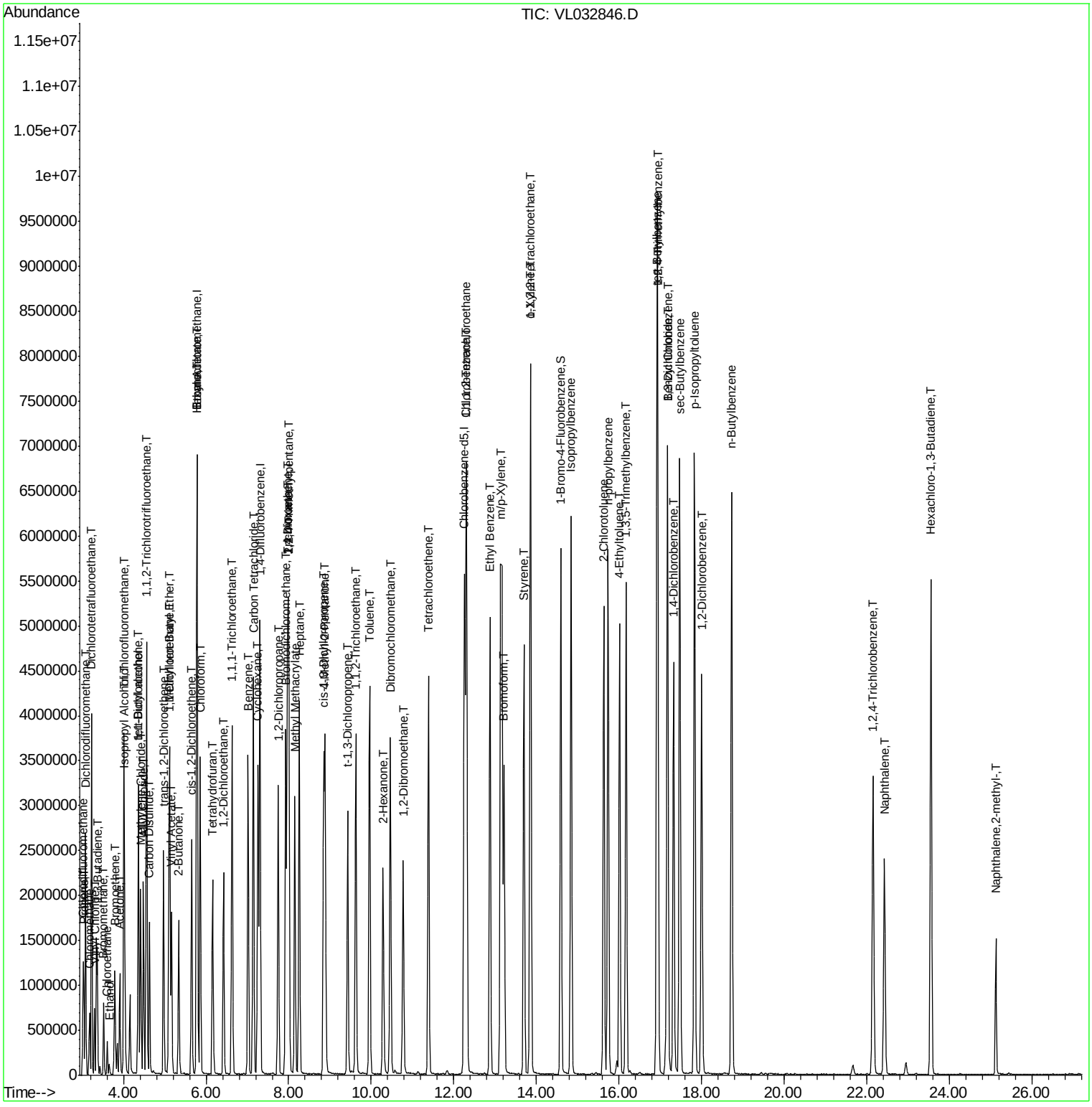
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL113018\

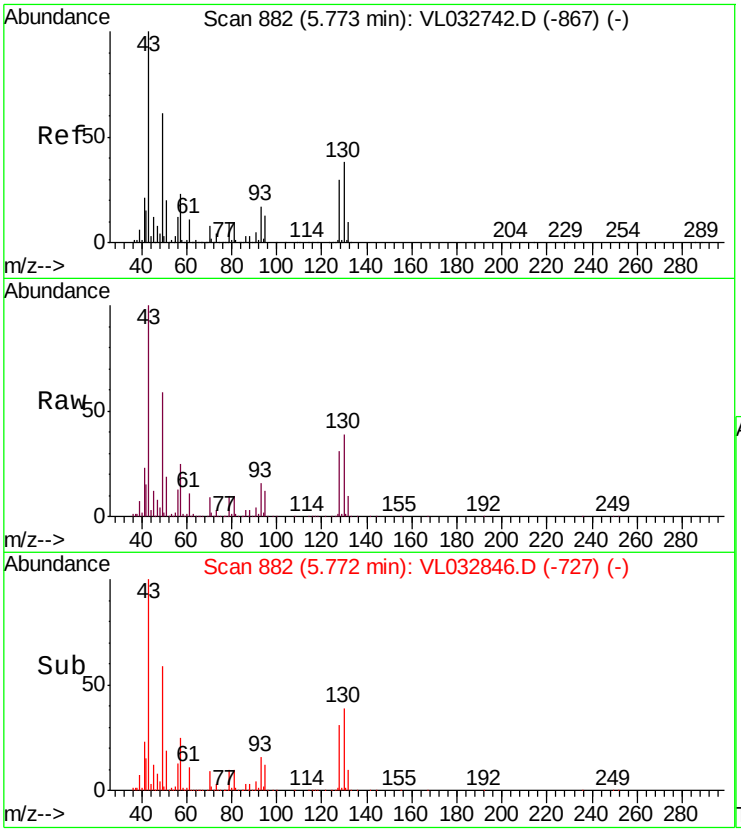
Quantitation Report (Not Reviewed)

Data File : VL032846.D
Acq On : 30 Nov 2018 11:16
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Dec 01 02:20:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration



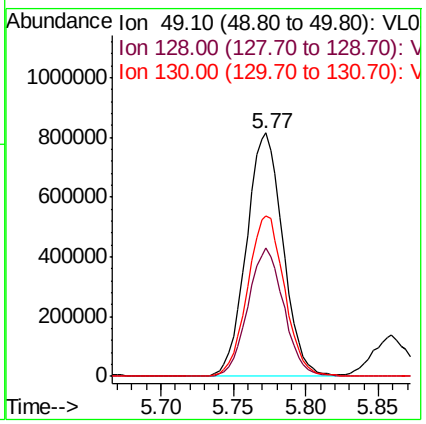


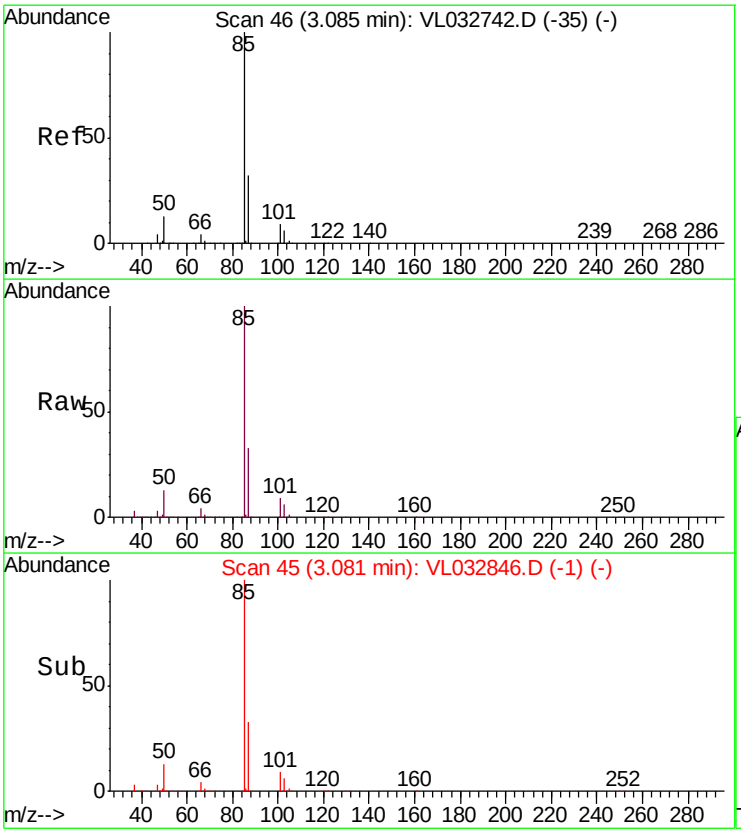
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1427537

Ion	Ratio	Lower	Upper
49	100		
128	52.2	24.9	74.6
130	67.1	31.4	94.2

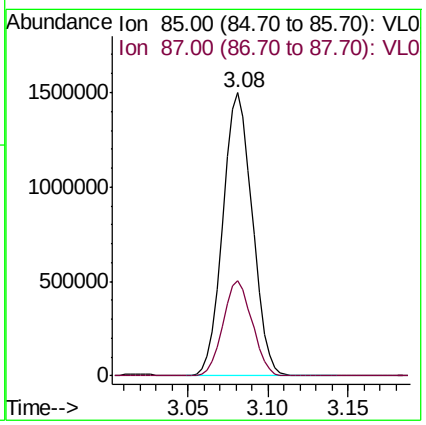


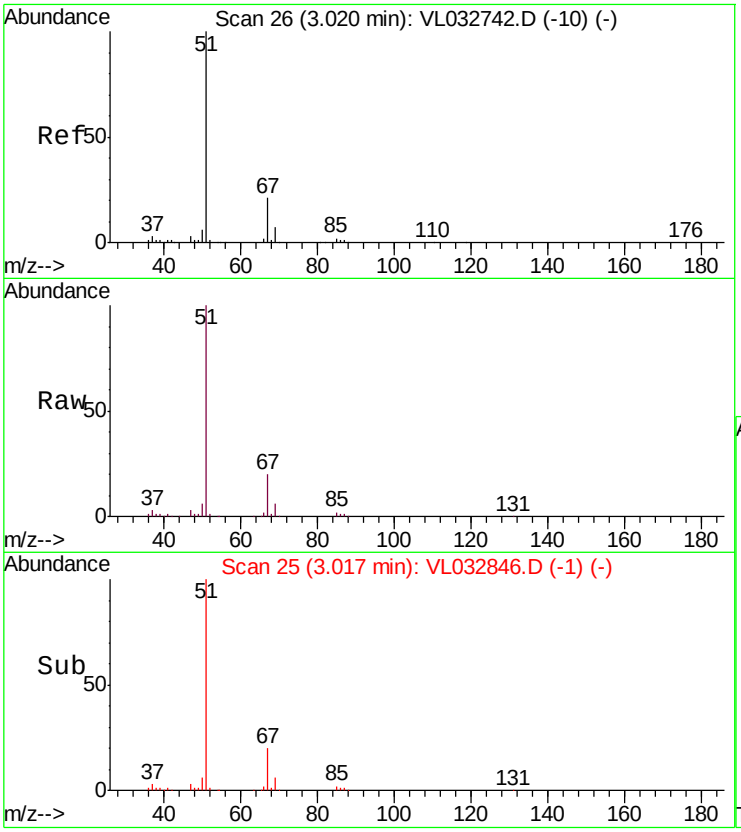


#2
Dichlorodifluoromethane
Concen: 9.179 ppbv
RT: 3.08 min Scan# 45
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 85 Resp: 1883525

Ion	Ratio	Lower	Upper
85	100		
87	33.5	26.0	39.0



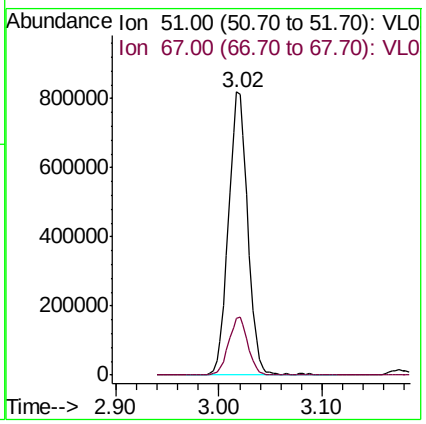


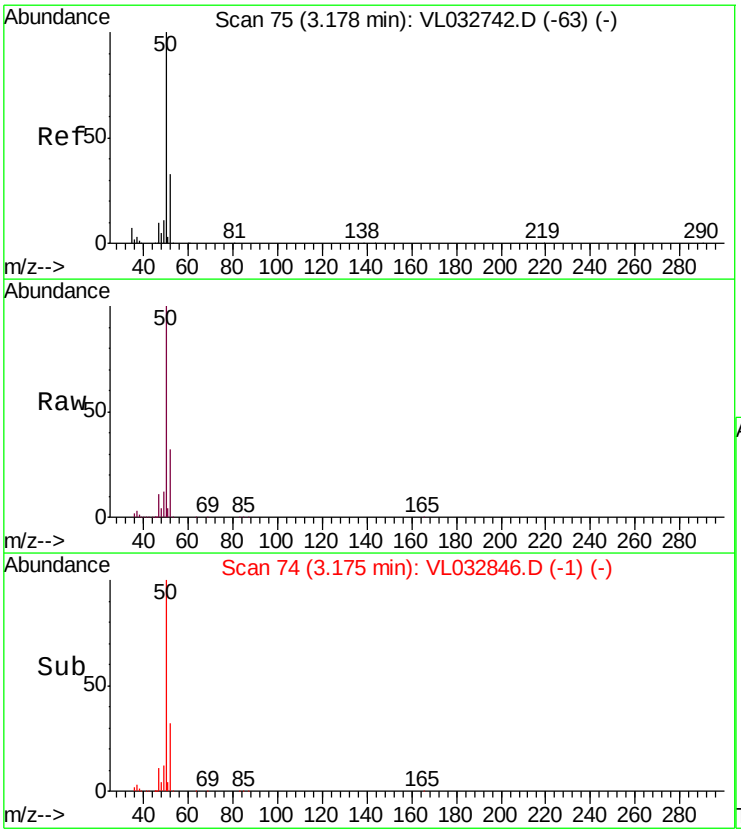
#3
Chlorodifluoromethane
Concen: 9.460 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1070626

Ion	Ratio	Lower	Upper
51	100		
67	20.4	16.1	24.1

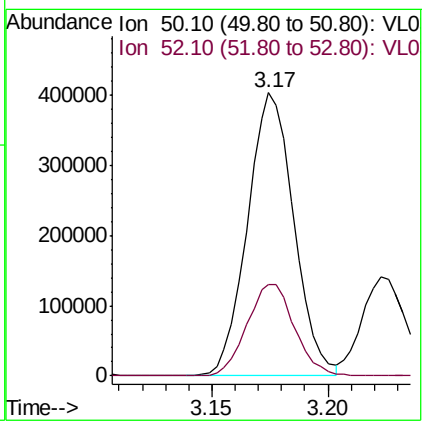


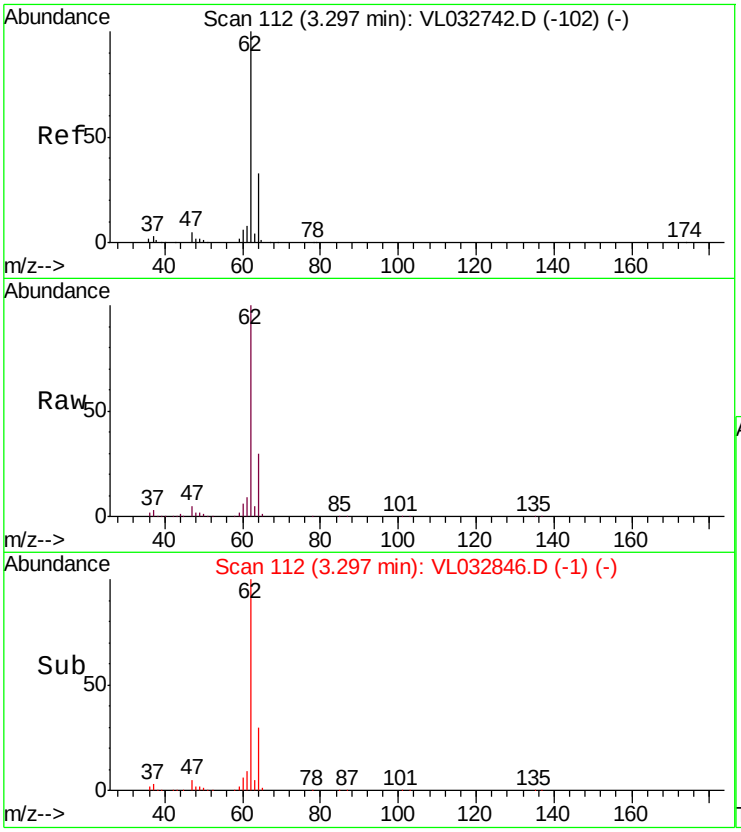


#4
Chloromethane
Concen: 8.924 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 50 Resp: 560007

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.6	40.0



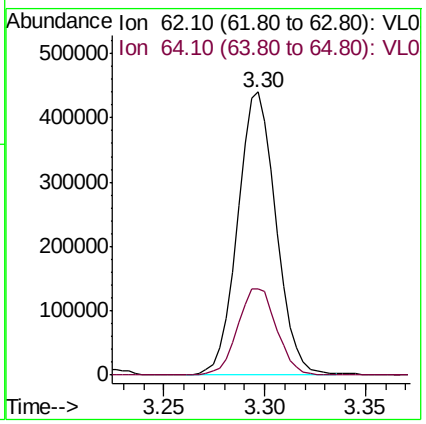


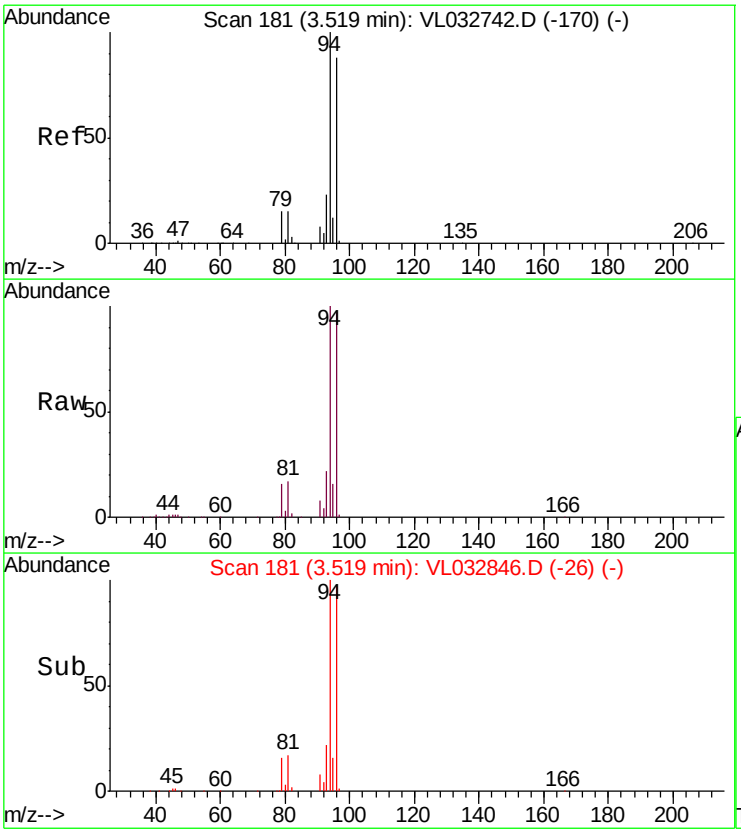
#5
Vinyl Chloride
Concen: 8.839 ppbv
RT: 3.30 min Scan# 112
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 587743

Ion	Ratio	Lower	Upper
62	100		
64	30.5	26.2	39.4

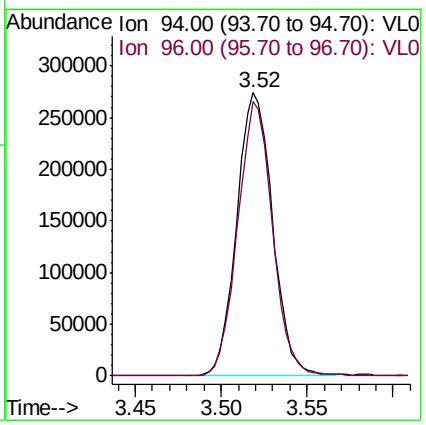


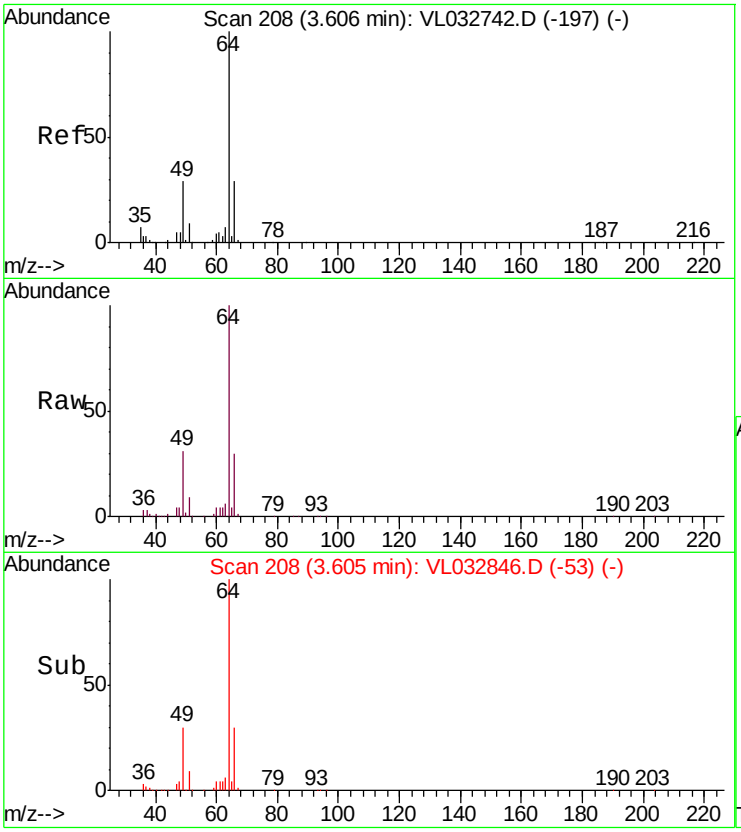


#6
Bromomethane
Concen: 9.748 ppbv
RT: 3.52 min Scan# 181
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 94 Resp: 396532

Ion	Ratio	Lower	Upper
94	100		
96	97.0	70.2	105.2



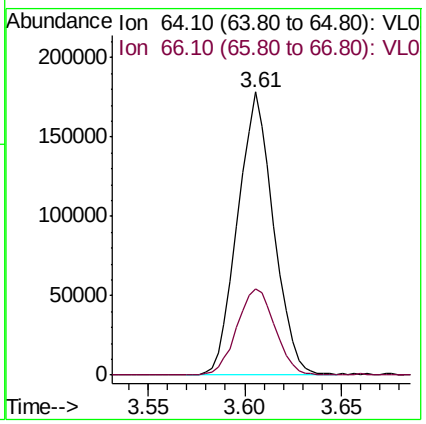


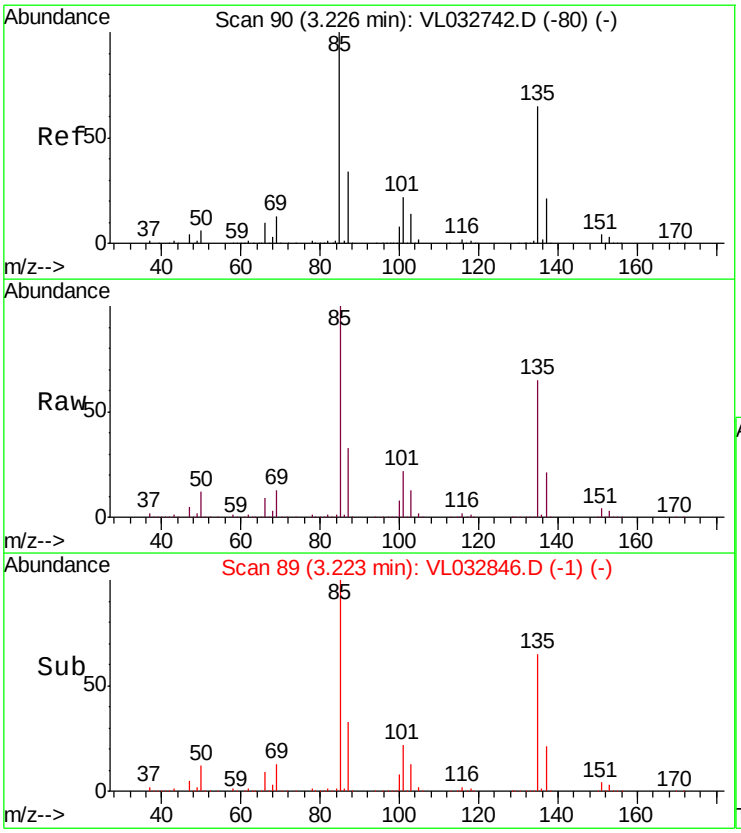
#7
Chloroethane
Concen: 9.616 ppbv
RT: 3.61 min Scan# 208
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 230469

Ion	Ratio	Lower	Upper
64	100		
66	30.5	23.2	34.8

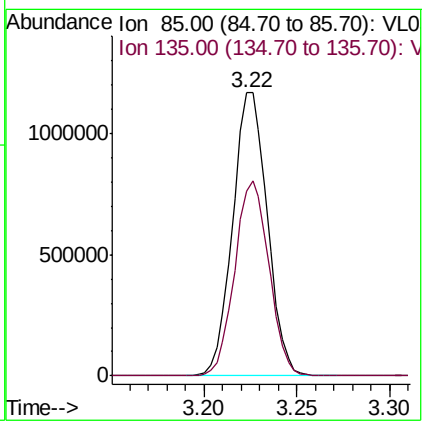


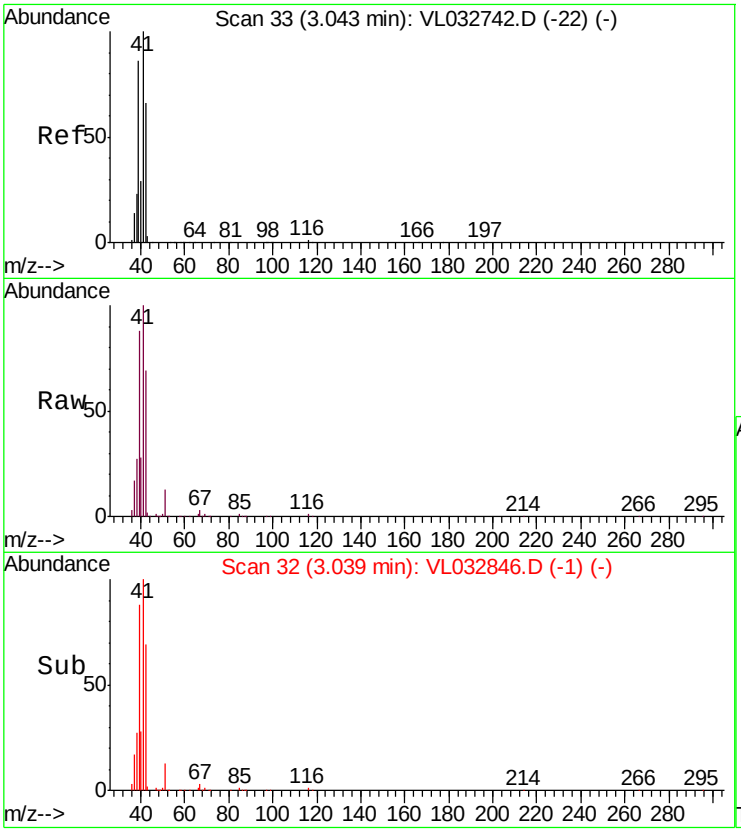


#8
Dichlorotetrafluoroethane
Concen: 9.332 ppbv
RT: 3.22 min Scan# 89
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 85 Resp: 1509010

Ion	Ratio	Lower	Upper
85	100		
135	68.8	53.8	80.8



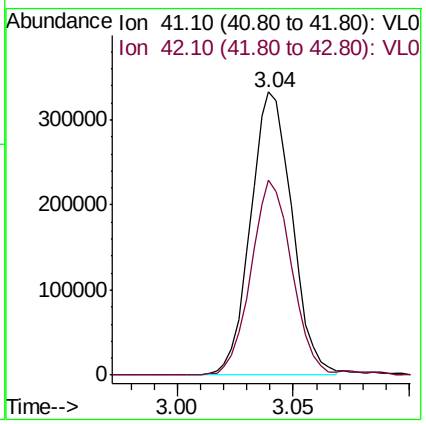


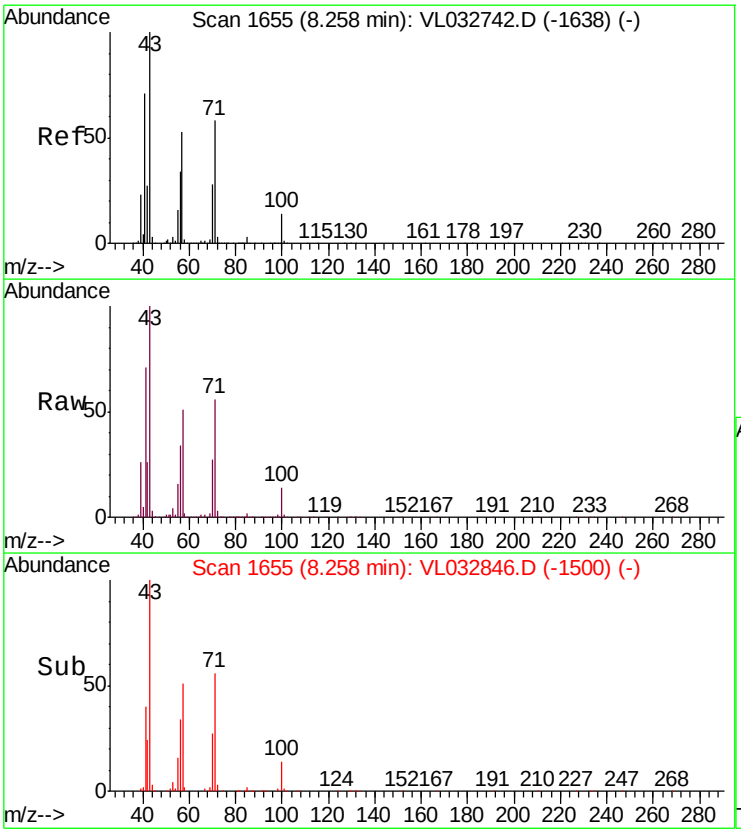
#9
Propene
Concen: 9.139 ppbv
RT: 3.04 min Scan# 32
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 413925

Ion	Ratio	Lower	Upper
41	100		
42	69.0	55.0	82.6

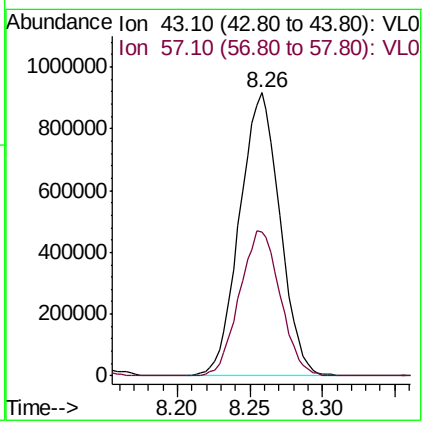


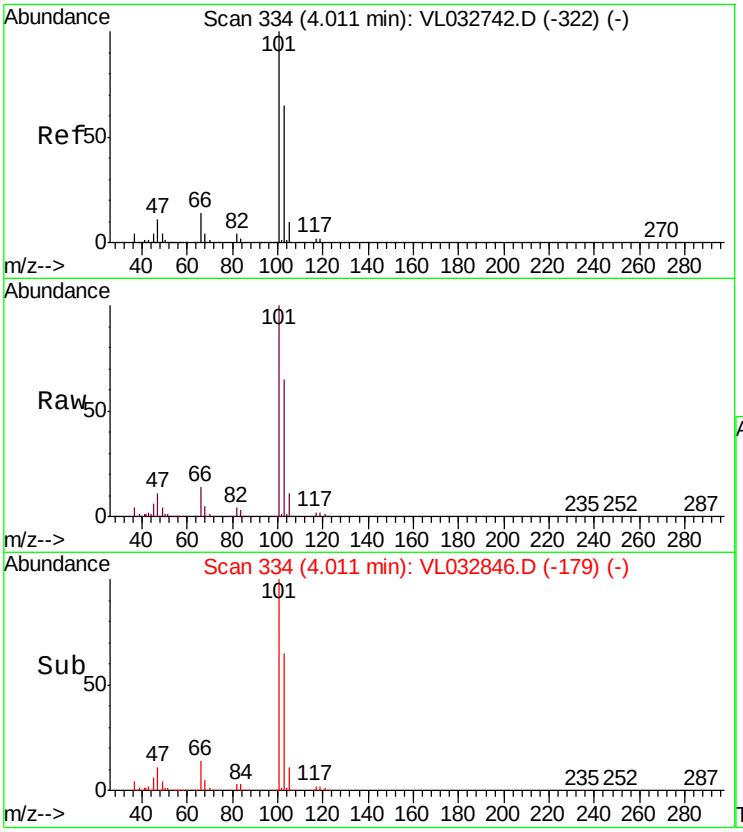


#10
Heptane
Concen: 10.195 ppbv
RT: 8.26 min Scan# 1655
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 43 Resp: 1762798

Ion	Ratio	Lower	Upper
43	100		
57	52.1	41.8	62.8



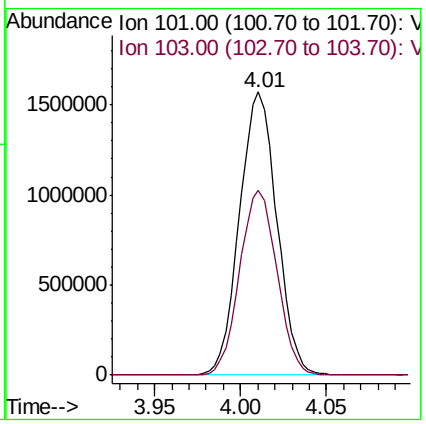


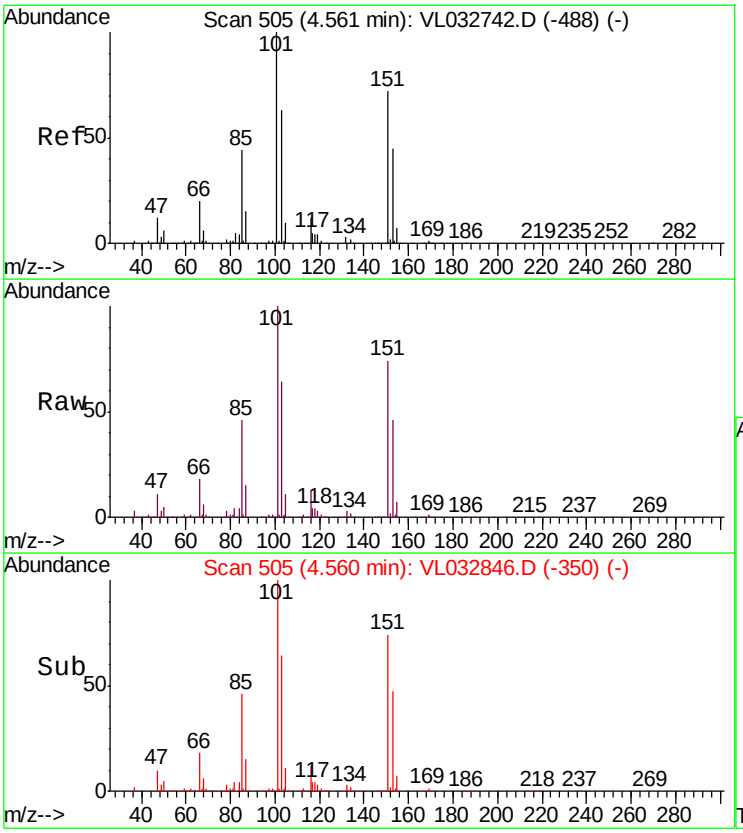
#11
Trichlorofluoromethane
Concen: 12.278 ppbv
RT: 4.01 min Scan# 334
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 2374393

Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.6	77.4

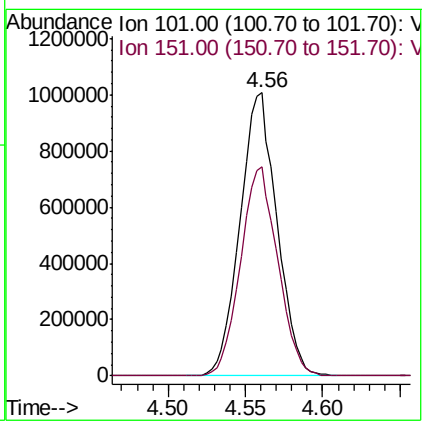


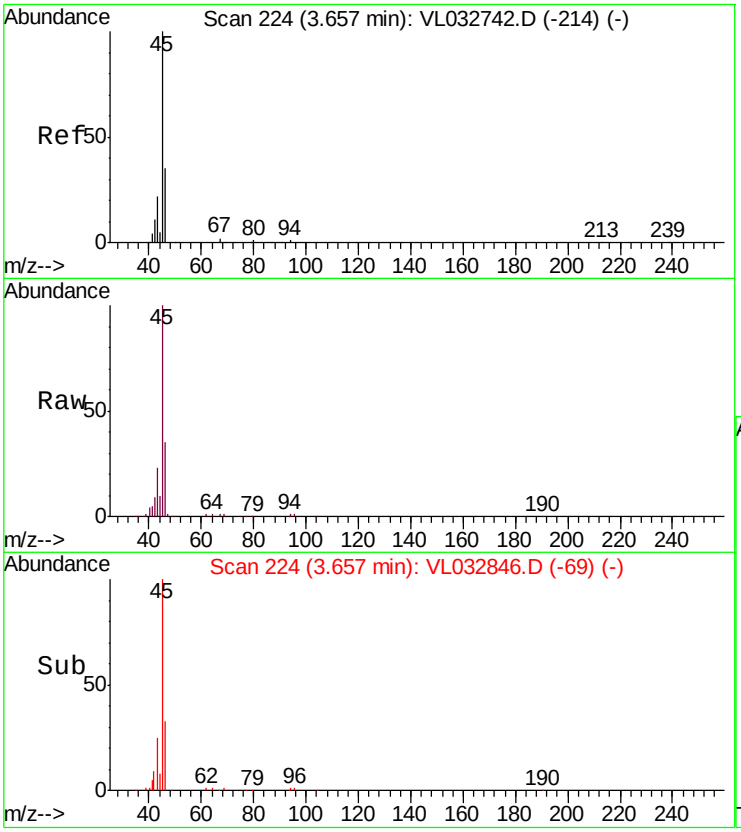


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.618 ppbv
RT: 4.56 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion:101 Resp: 1677211

Ion	Ratio	Lower	Upper
101	100		
151	74.4	56.7	85.1



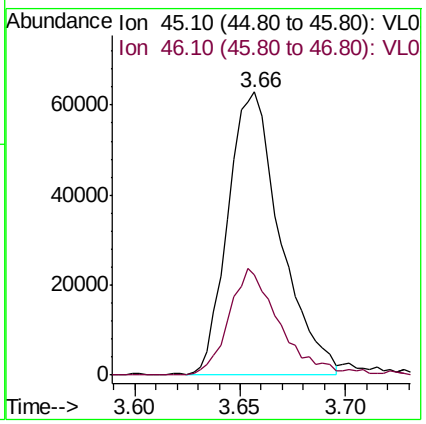


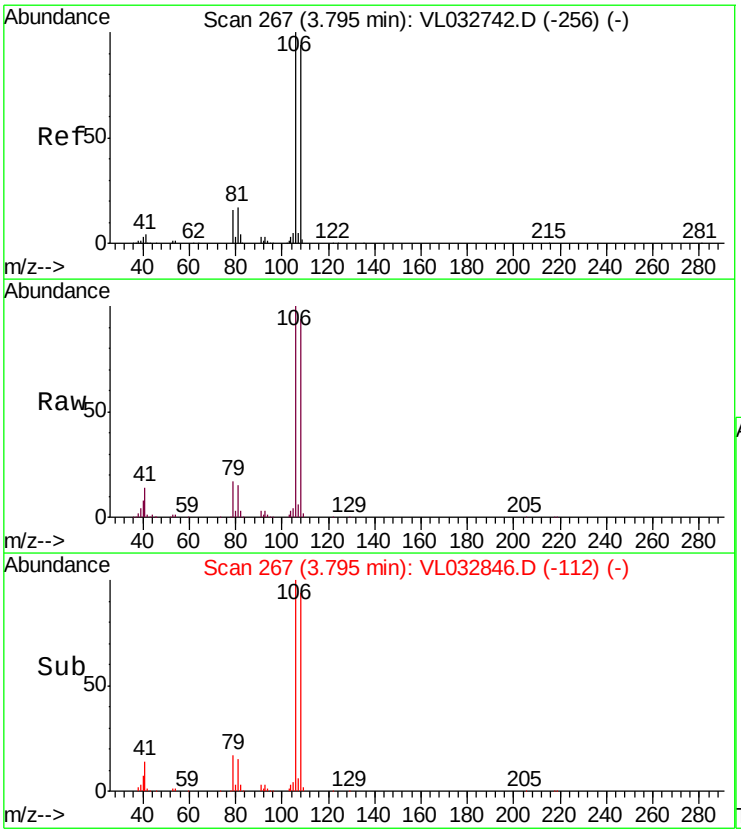
#13
Ethanol
Concen: 7.251 ppbv
RT: 3.66 min Scan# 224
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 107572

Ion	Ratio	Lower	Upper
45	100		
46	38.1	14.5	57.9

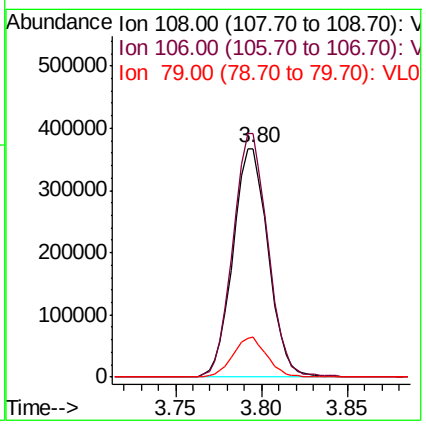


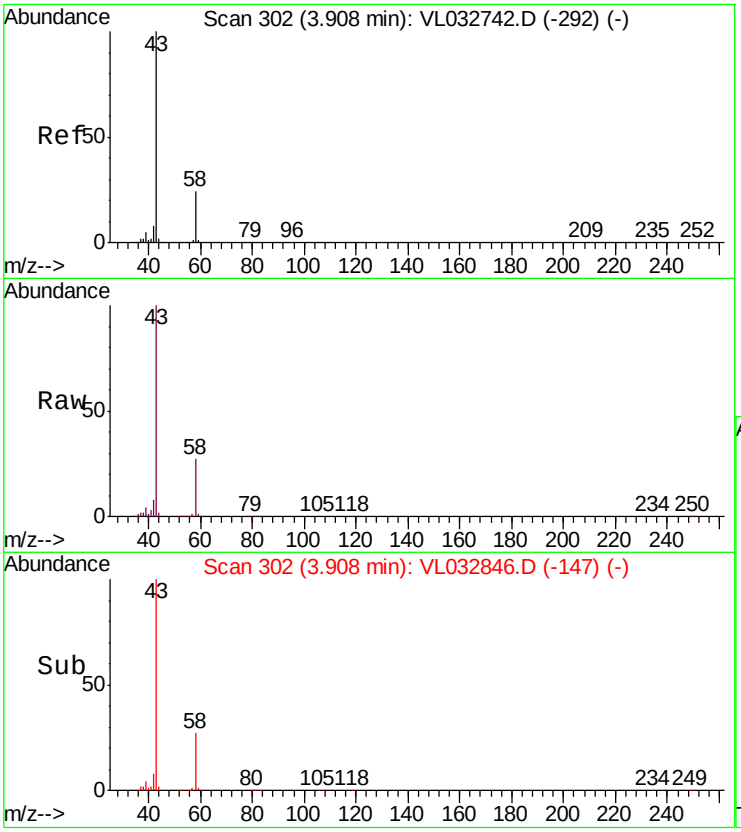


#14
Bromoethene
Concen: 9.994 ppbv
RT: 3.80 min Scan# 267
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion:108 Resp: 523742

Ion	Ratio	Lower	Upper
108	100		
106	106.3	84.9	127.3
79	17.2	14.2	21.4



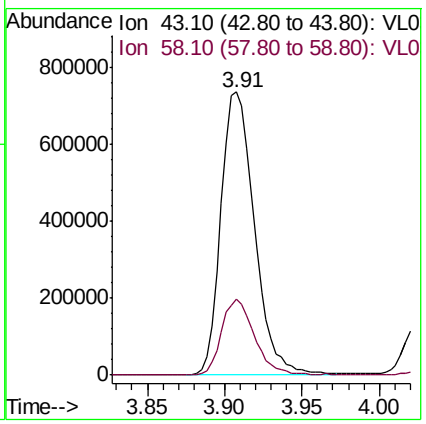


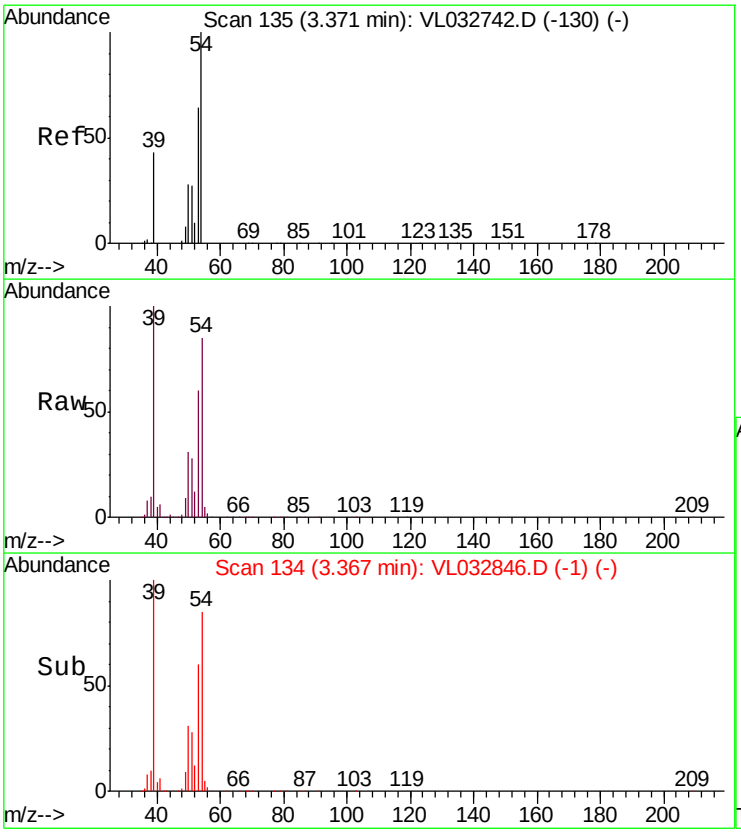
#15
Acetone
Concen: 8.491 ppbv
RT: 3.91 min Scan# 302
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1106891

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.1	31.7

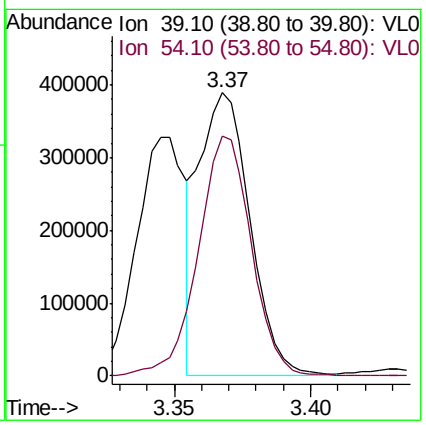


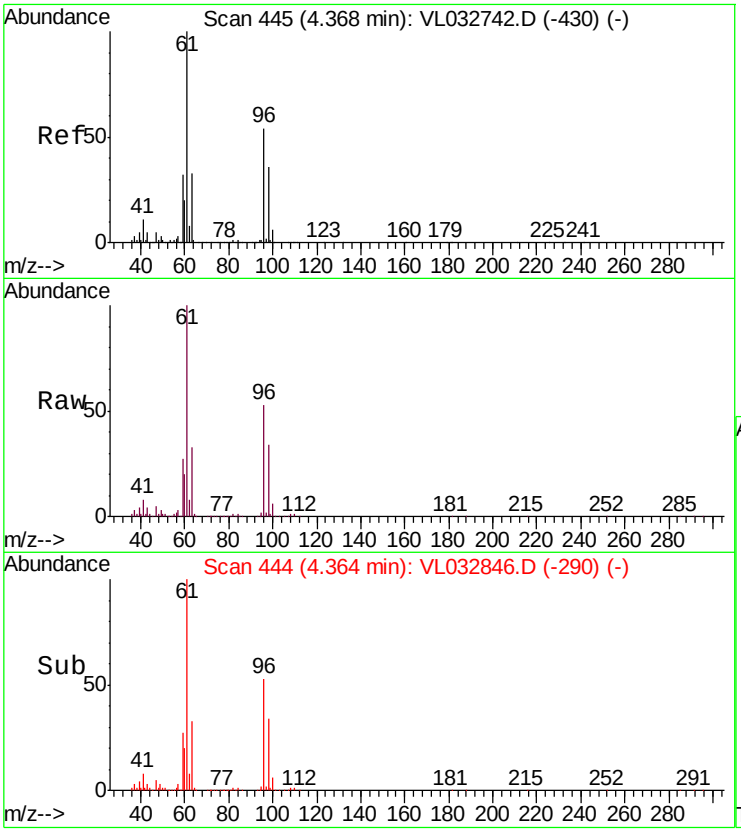


#16
1,3-Butadiene
Concen: 9.975 ppbv
RT: 3.37 min Scan# 134
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 39 Resp: 503572

Ion	Ratio	Lower	Upper
39	100		
54	89.3	68.9	103.3



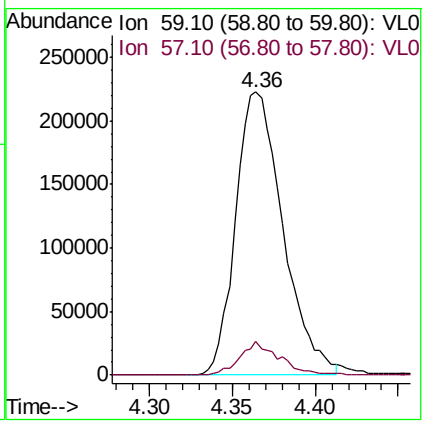


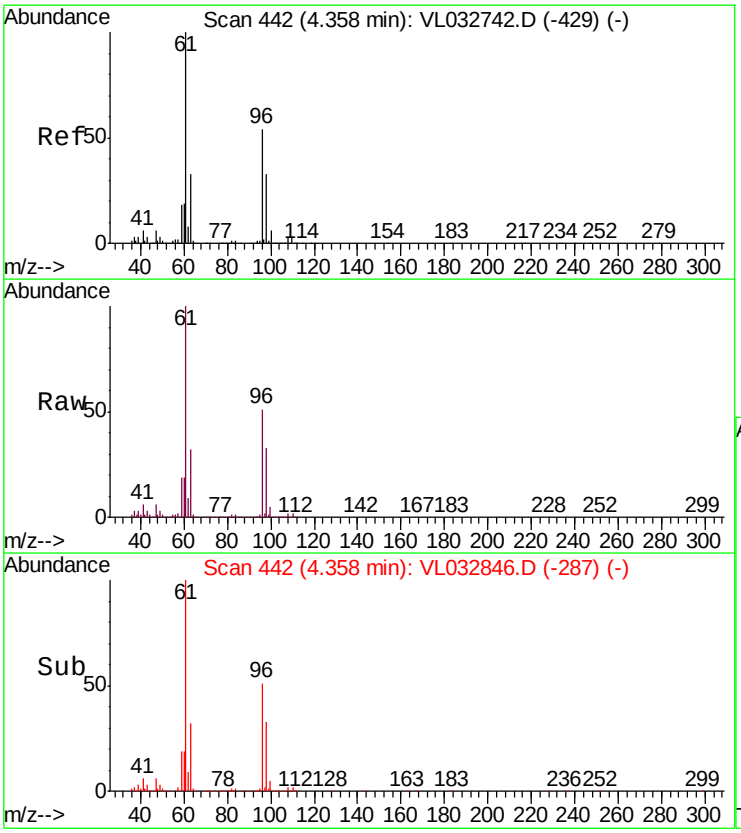
#17
tert-Butyl alcohol
Concen: 10.834 ppbv
RT: 4.36 min Scan# 444
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 442963

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.8

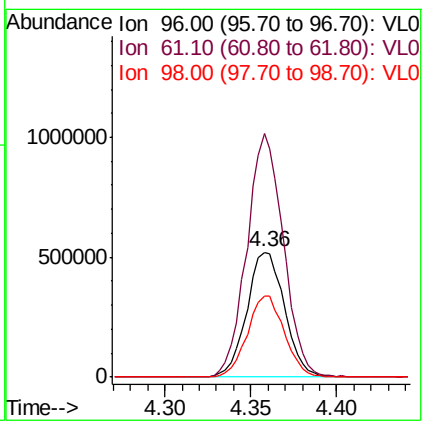


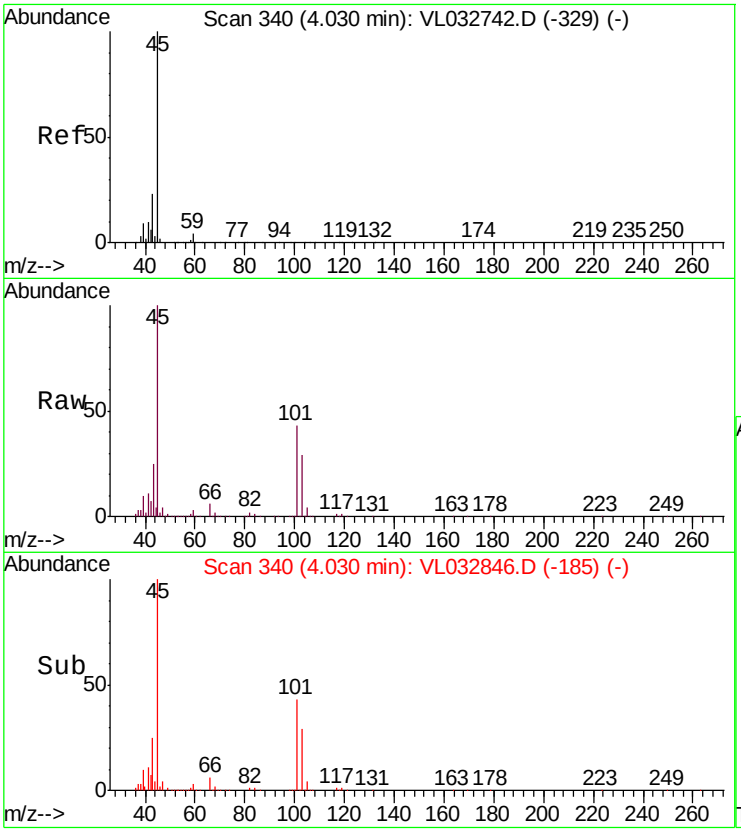


#18
1,1-Dichloroethene
Concen: 10.178 ppbv
RT: 4.36 min Scan# 442
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 96 Resp: 790524

Ion	Ratio	Lower	Upper
96	100		
61	195.4	148.5	222.7
98	64.7	48.6	72.8



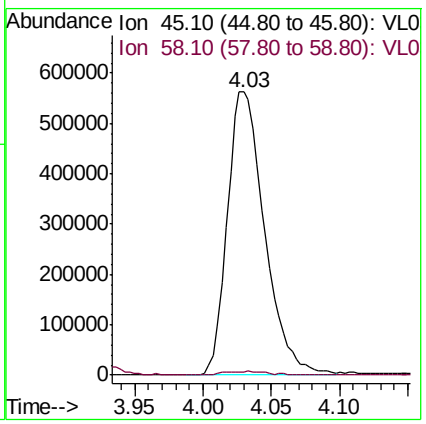


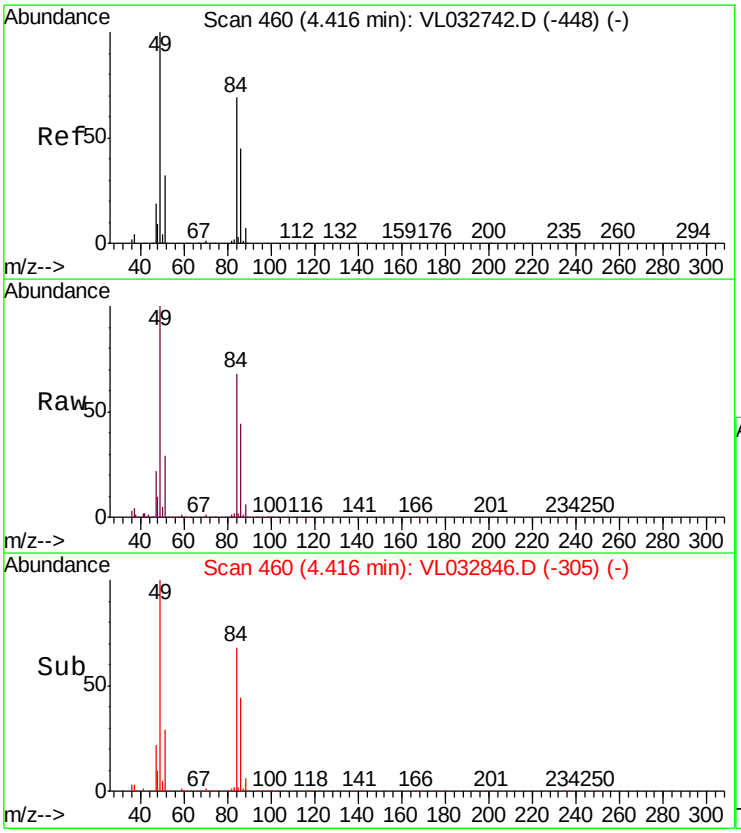
#19
Isopropyl Alcohol
Concen: 12.289 ppbv
RT: 4.03 min Scan# 340
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 1067241

Ion	Ratio	Lower	Upper
45	100		
58	1.9	1.4	2.0

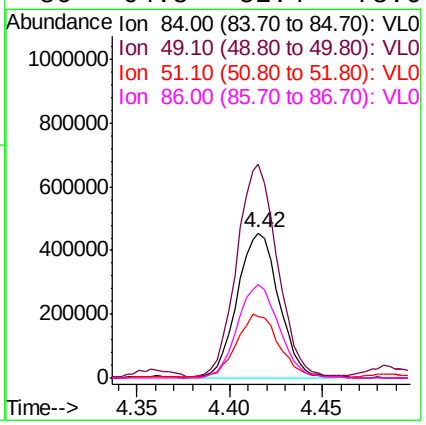


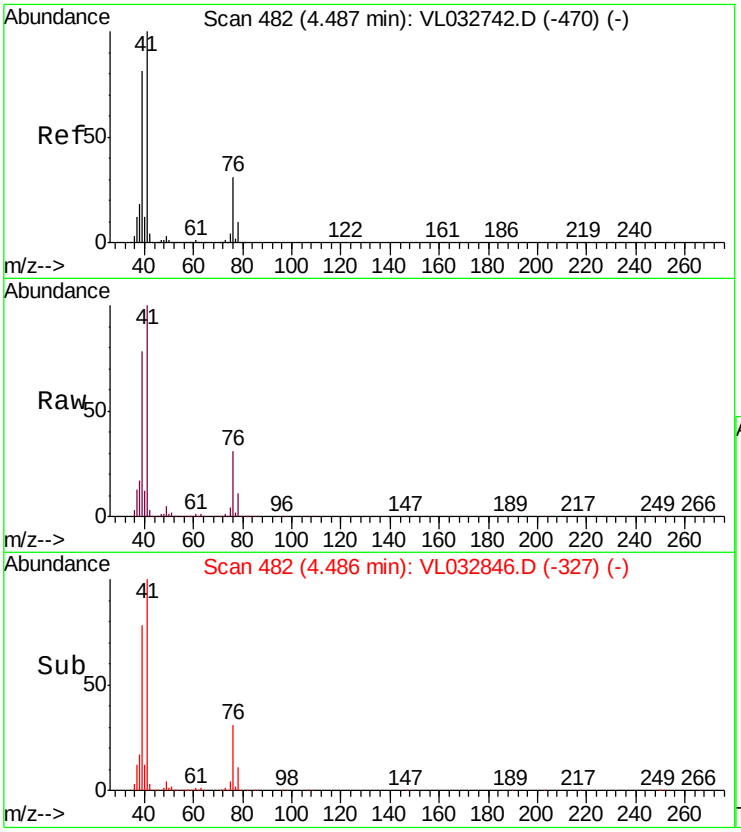


#20
Methylene Chloride
Concen: 10.468 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 84 Resp: 706500

Ion	Ratio	Lower	Upper
84	100		
49	146.8	115.8	173.6
51	41.3	36.9	55.3
86	64.8	52.4	78.6



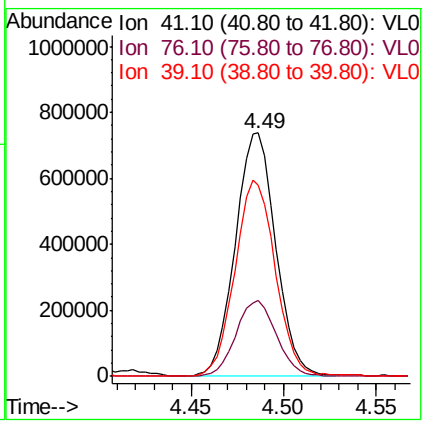


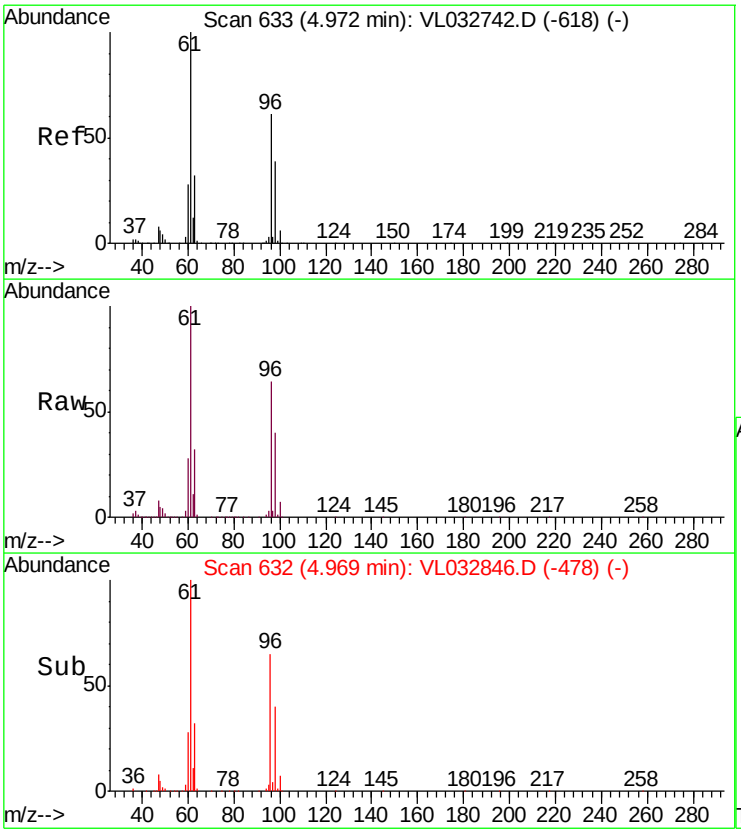
#21
Allyl Chloride
Concen: 10.124 ppbv
RT: 4.49 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 1109149

Ion	Ratio	Lower	Upper
41	100		
76	31.6	24.4	36.6
39	81.3	63.5	95.3

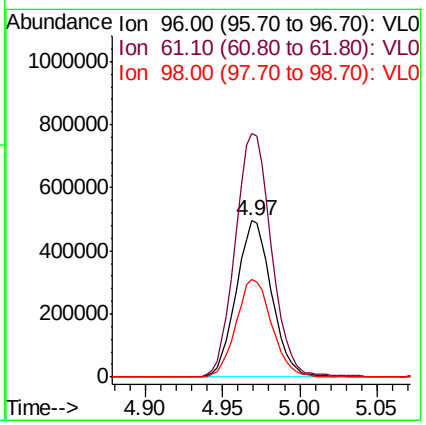


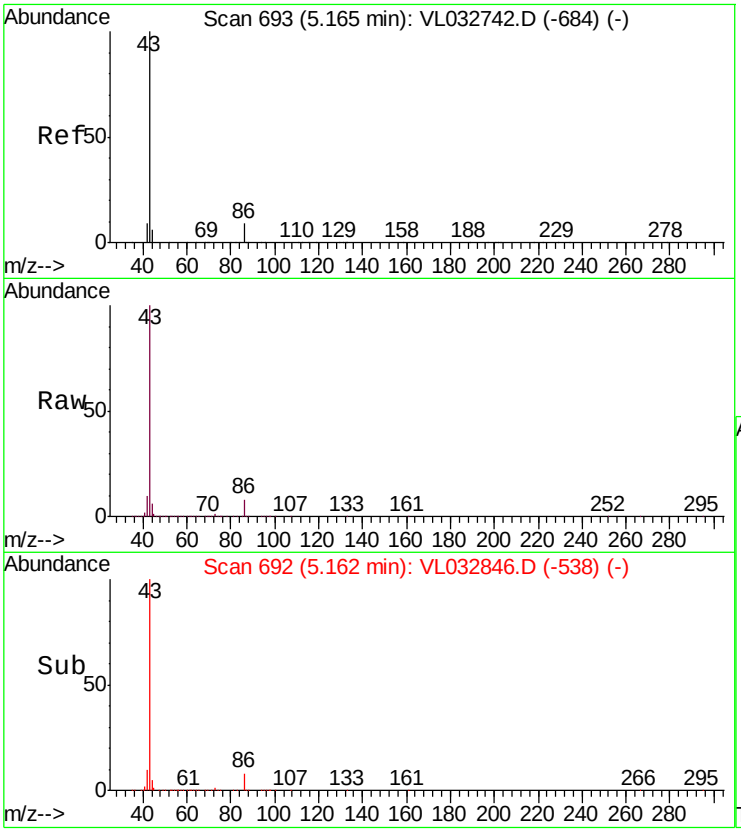


#22
trans-1,2-Dichloroethene
Concen: 10.408 ppbv
RT: 4.97 min Scan# 632
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 96 Resp: 789415

Ion	Ratio	Lower	Upper
96	100		
61	155.9	130.2	195.2
98	62.4	50.2	75.2



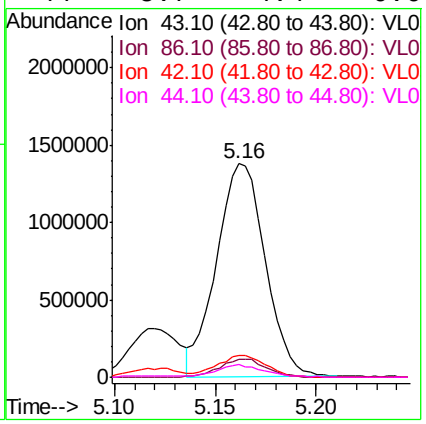


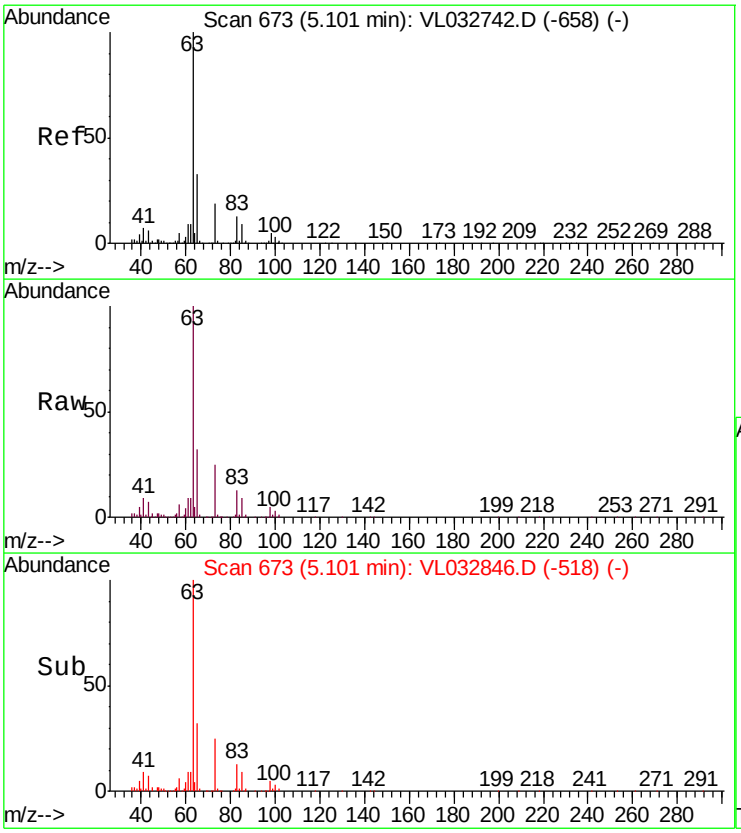
#23
Vinyl Acetate
Concen: 9.748 ppbv
RT: 5.16 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2316522

Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.2	9.4
42	9.9	7.8	11.6
44	5.7	4.4	6.6

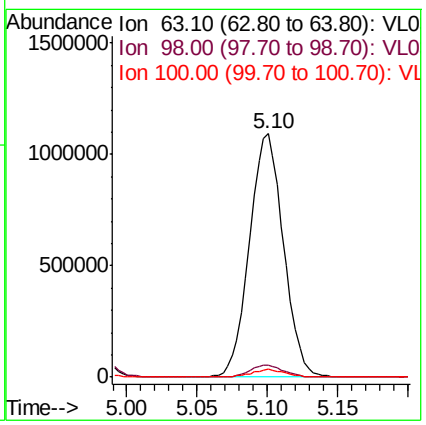


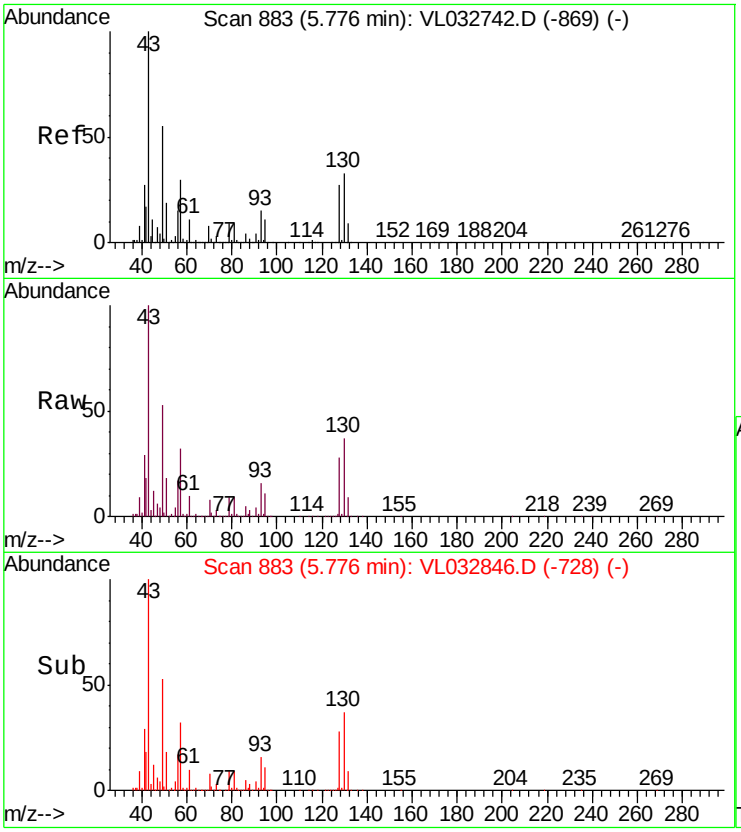


#24
1,1-Dichloroethane
Concen: 9.734 ppbv
RT: 5.10 min Scan# 673
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 63 Resp: 1839034

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.3	6.8
100	3.3	1.4	4.2



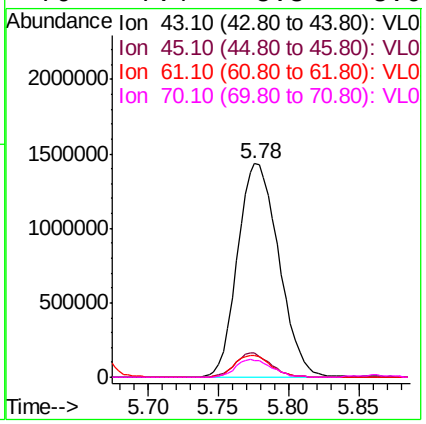


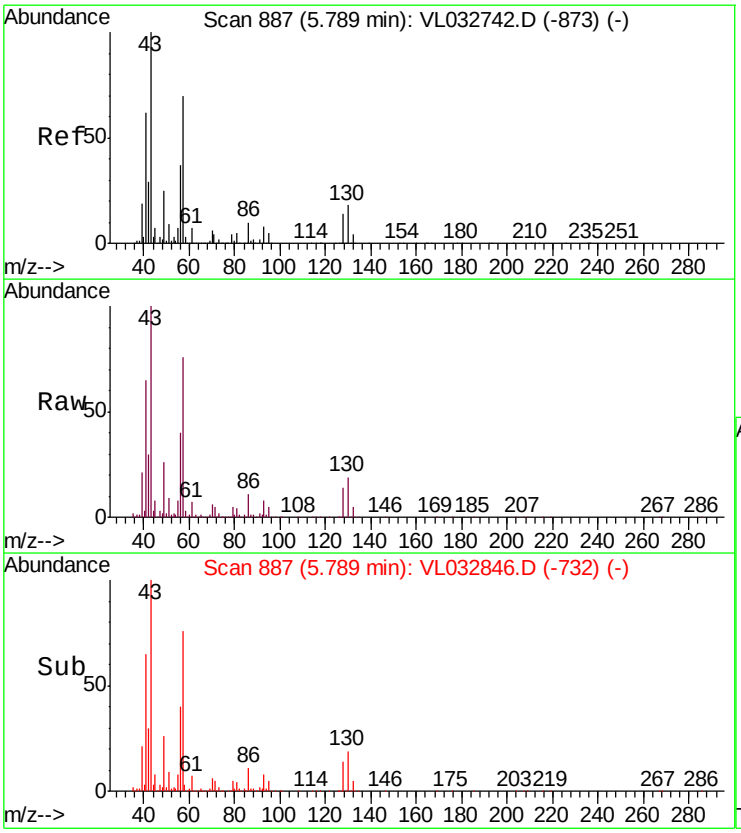
#25
Ethyl Acetate
Concen: 9.672 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2938778

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.3	7.8	11.6
70	7.4	5.8	8.6

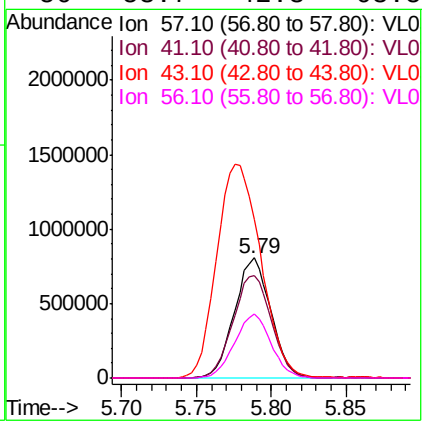


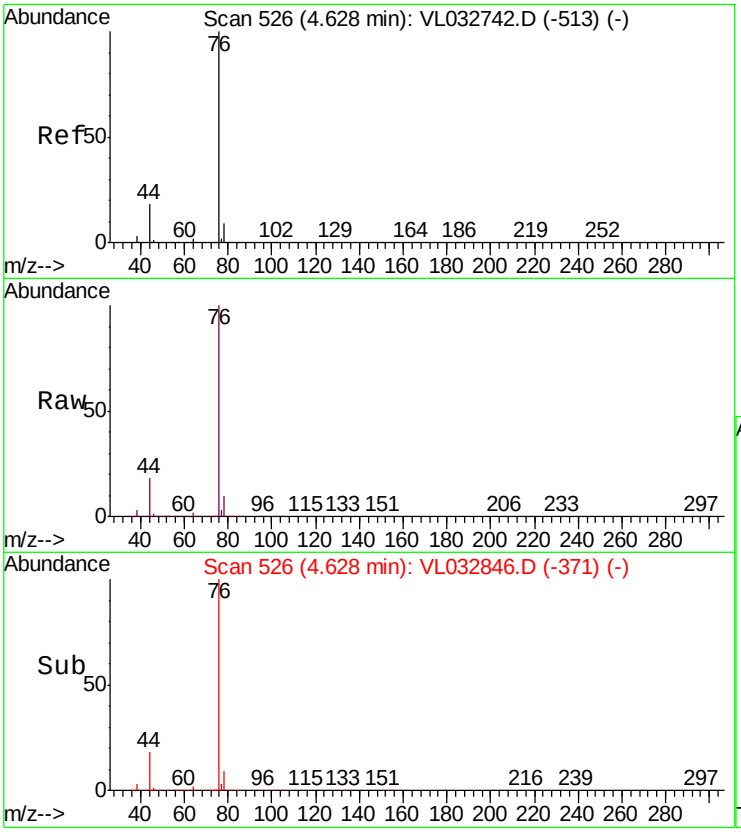


#26
Hexane
Concen: 10.051 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 57 Resp: 1359413

Ion	Ratio	Lower	Upper
57	100		
41	90.6	70.3	105.5
43	217.3	174.0	261.0
56	53.7	42.3	63.5



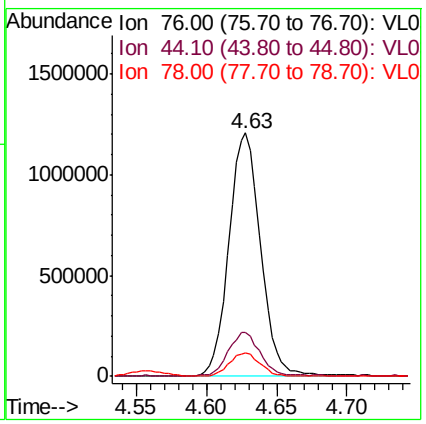


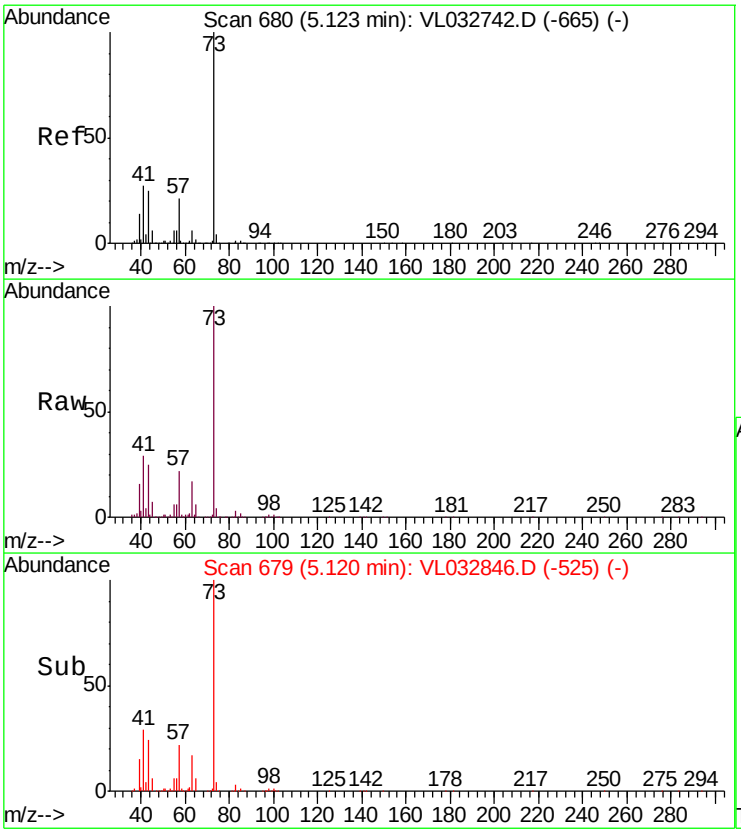
#27
Carbon Disulfide
Concen: 11.083 ppbv
RT: 4.63 min Scan# 526
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1900740

Ion	Ratio	Lower	Upper
76	100		
44	18.2	14.4	21.6
78	9.5	7.7	11.5

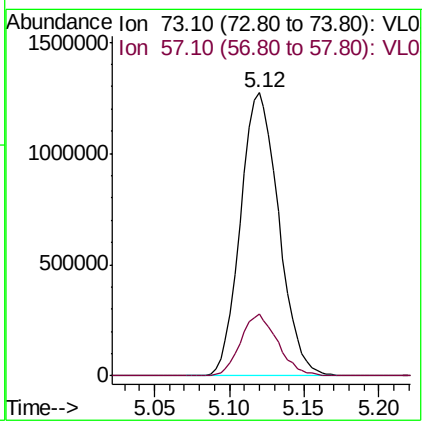


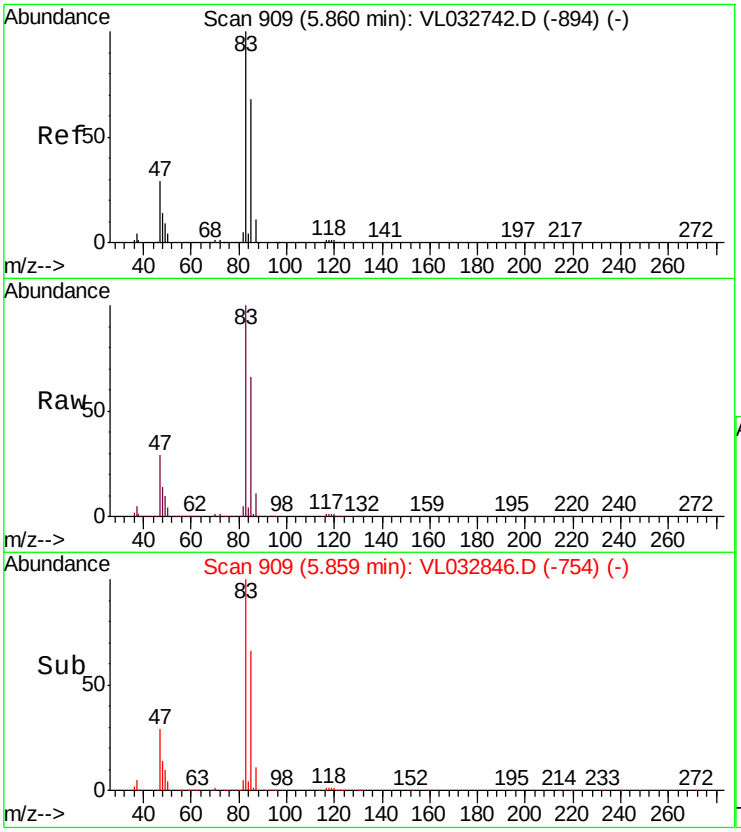


#28
Methyl tert-Butyl Ether
Concen: 10.526 ppbv
RT: 5.12 min Scan# 679
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 73 Resp: 2270401

Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.5	26.3



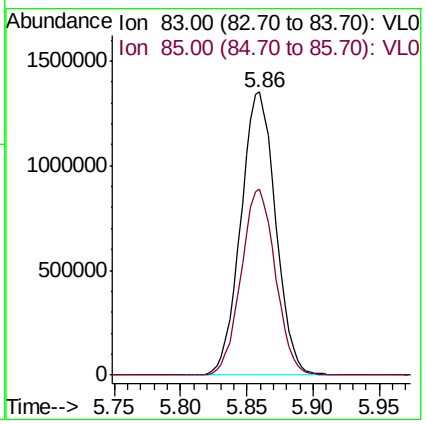


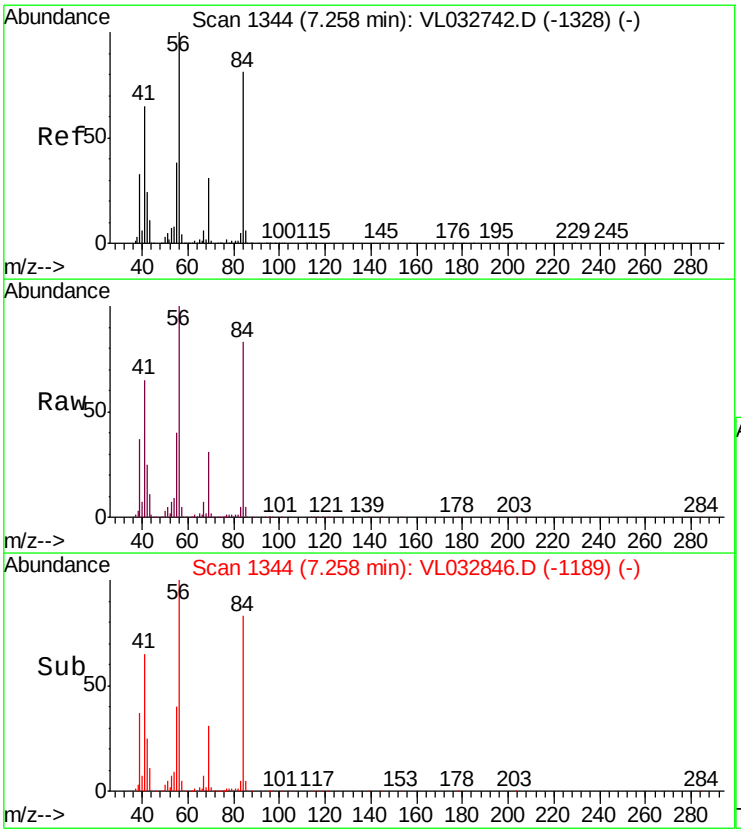
#29
Chloroform
Concen: 10.225 ppbv
RT: 5.86 min Scan# 909
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2464878

Ion	Ratio	Lower	Upper
83	100		
85	65.7	54.2	81.4

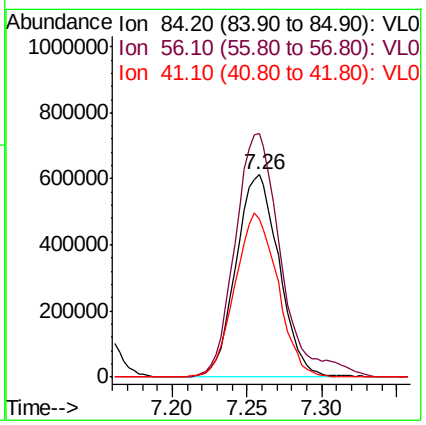


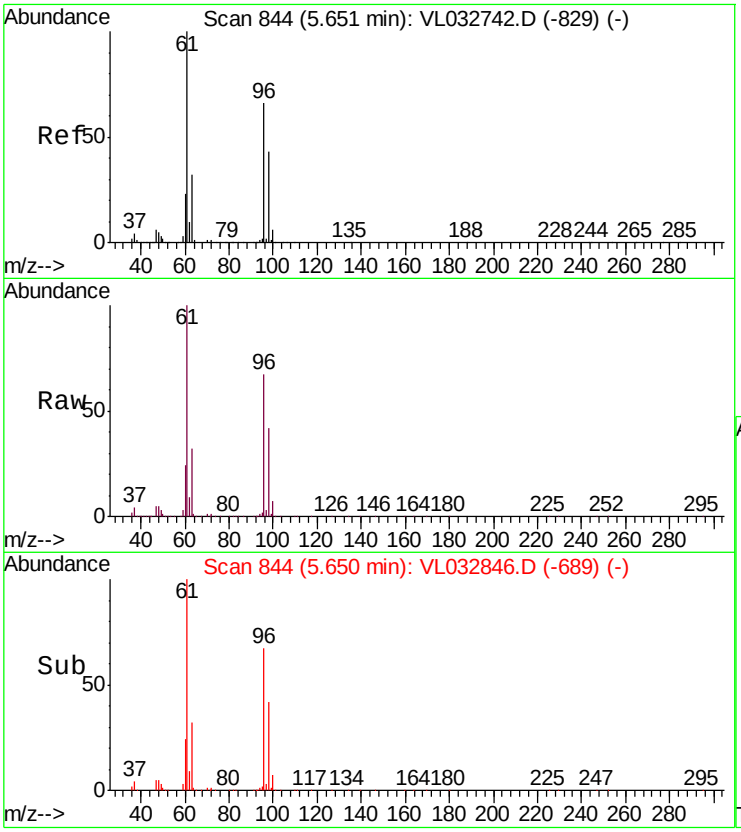


#30
Cyclohexane
Concen: 10.344 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 84 Resp: 1223682

Ion	Ratio	Lower	Upper
84	100		
56	128.9	105.0	157.4
41	81.0	65.3	97.9



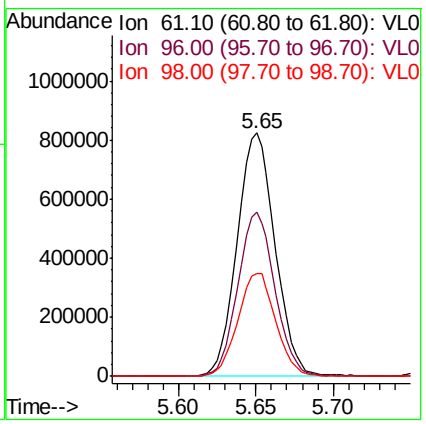


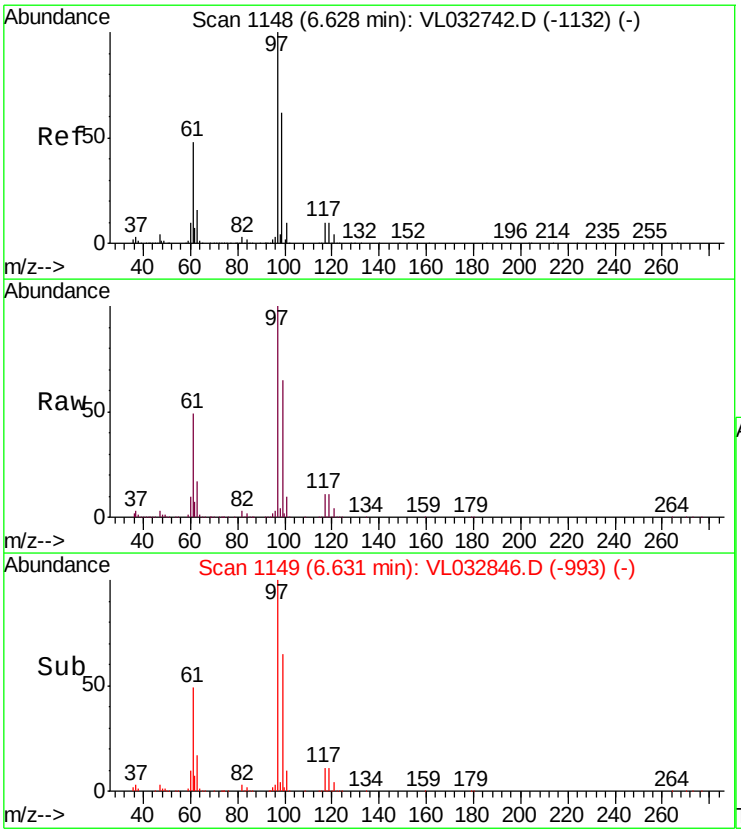
#31
cis-1,2-Dichloroethene
Concen: 10.299 ppbv
RT: 5.65 min Scan# 844
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1400537

Ion	Ratio	Lower	Upper
61	100		
96	67.2	53.2	79.8
98	42.1	34.4	51.6

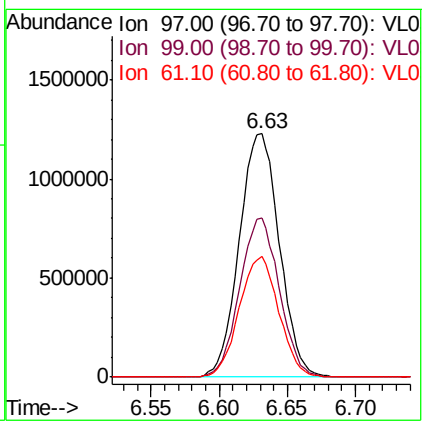


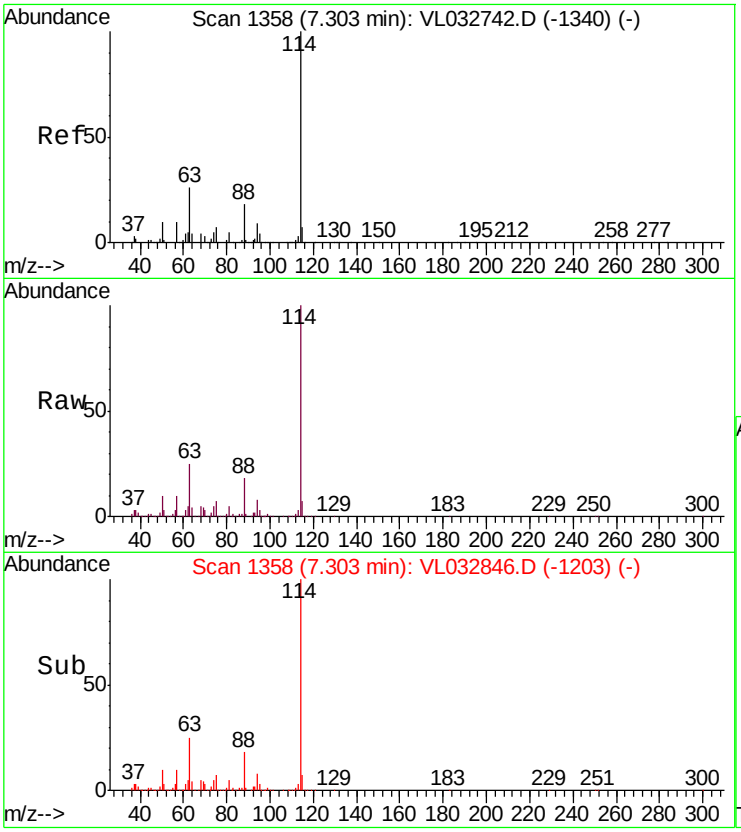


#32
1,1,1-Trichloroethane
Concen: 9.485 ppbv
RT: 6.63 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 97 Resp: 2506407

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.6
61	49.0	39.7	59.5



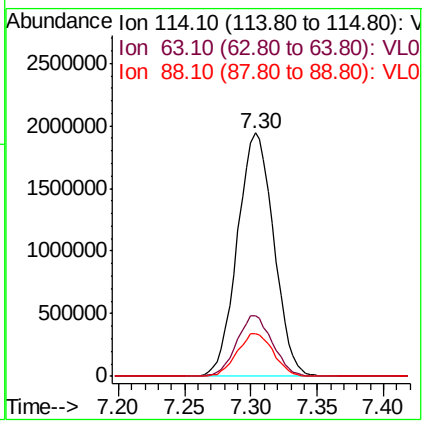


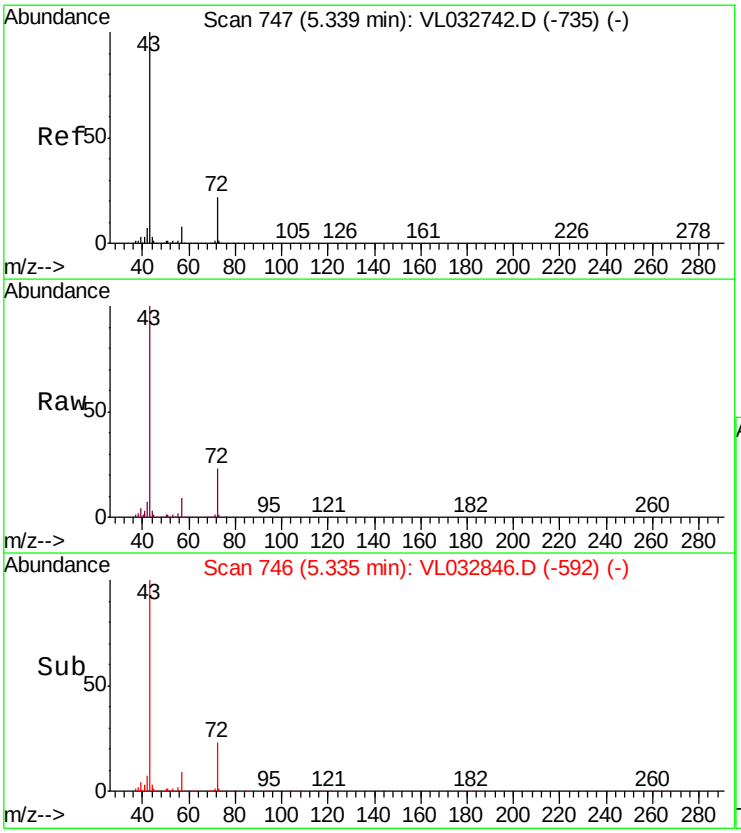
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 3709097

Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.9	31.3
88	17.6	14.4	21.6

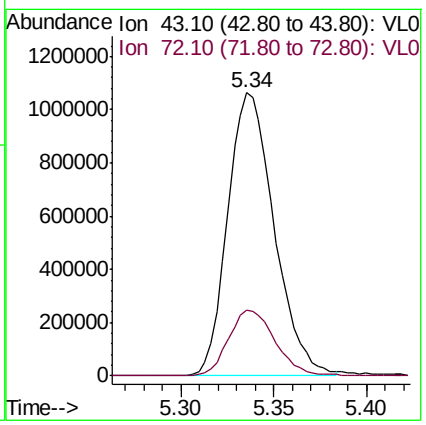


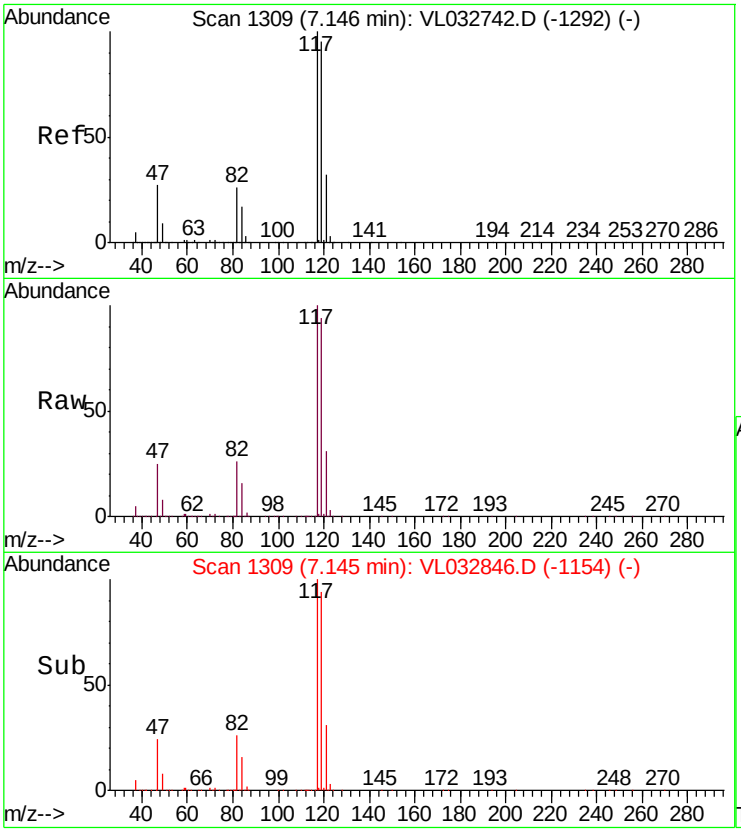


#34
2-Butanone
Concen: 9.572 ppbv
RT: 5.34 min Scan# 746
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 43 Resp: 1841457

Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.4	27.6



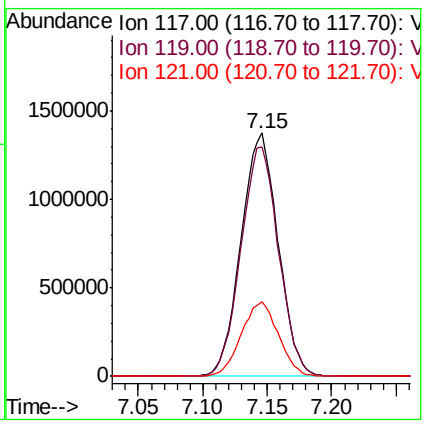


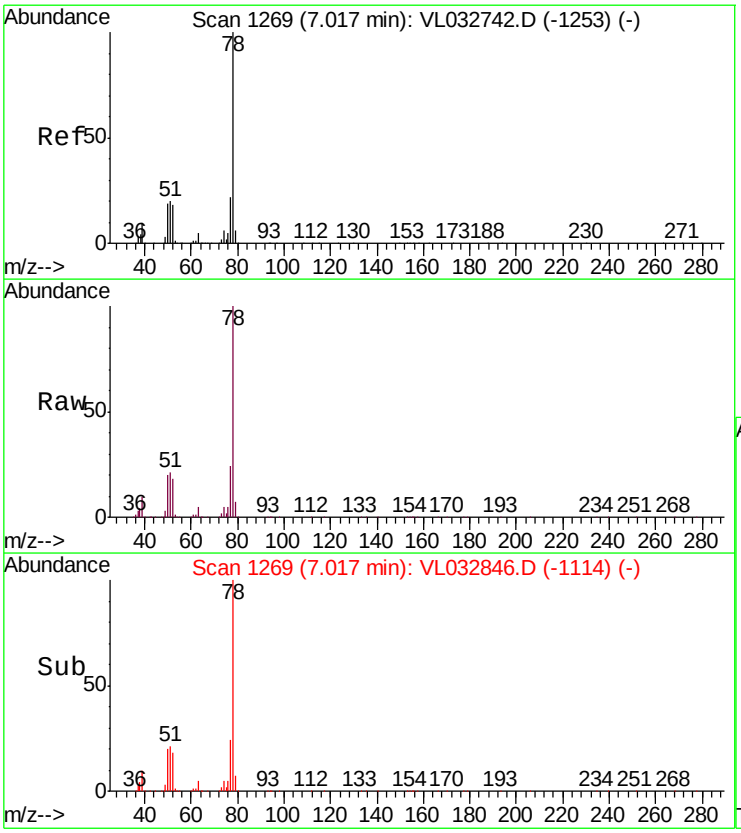
#35
Carbon Tetrachloride
Concen: 9.254 ppbv
RT: 7.15 min Scan# 1309
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2759229

Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.1	114.1
121	30.6	25.4	38.0

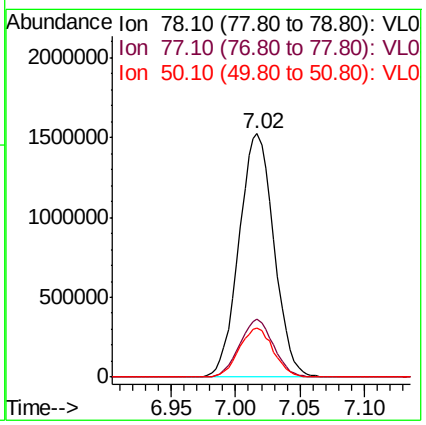


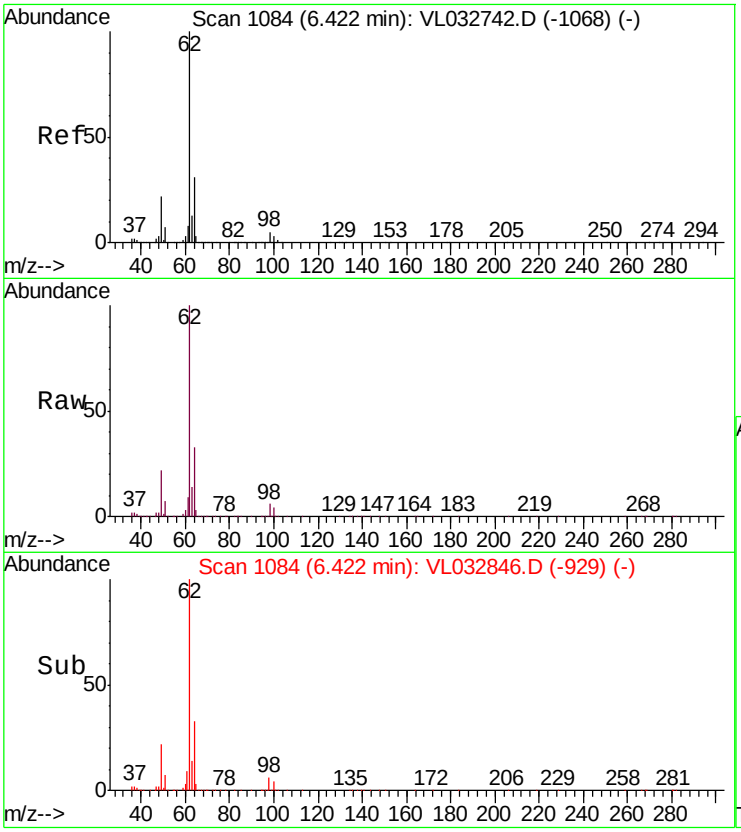


#36
Benzene
Concen: 9.748 ppbv
RT: 7.02 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 78 Resp: 2879300

Ion	Ratio	Lower	Upper
78	100		
77	23.8	17.8	26.8
50	20.3	15.4	23.0



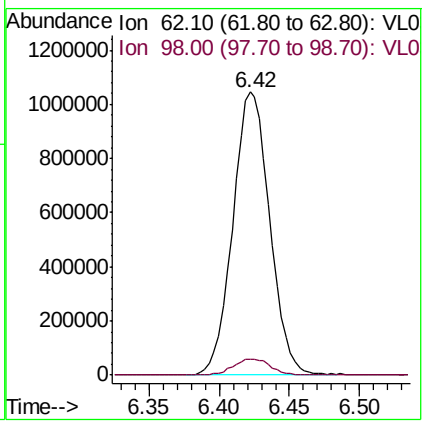


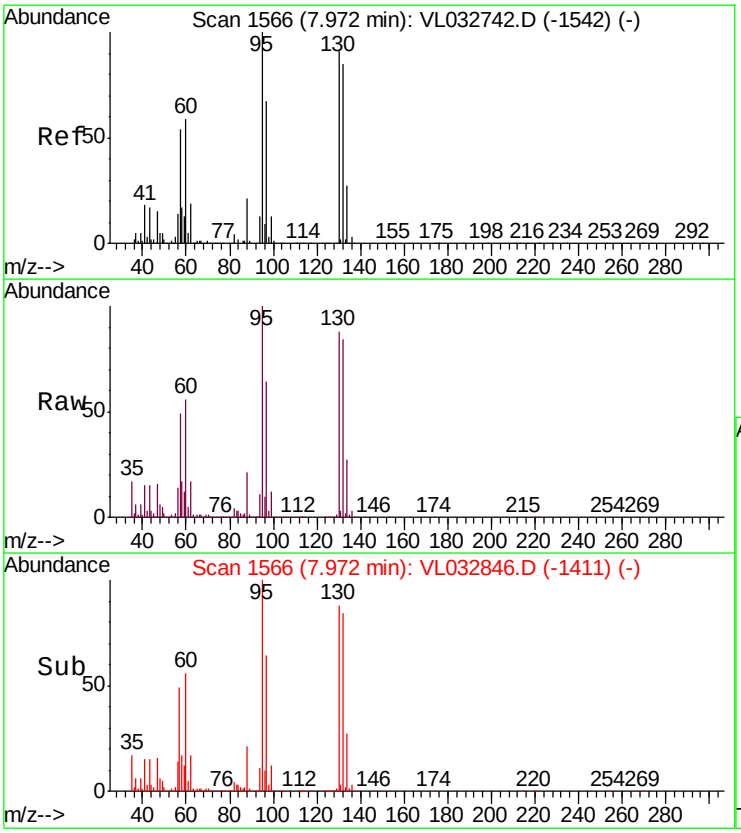
#37
1,2-Dichloroethane
Concen: 9.619 ppbv
RT: 6.42 min Scan# 1084
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 1912526

Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.5	6.7

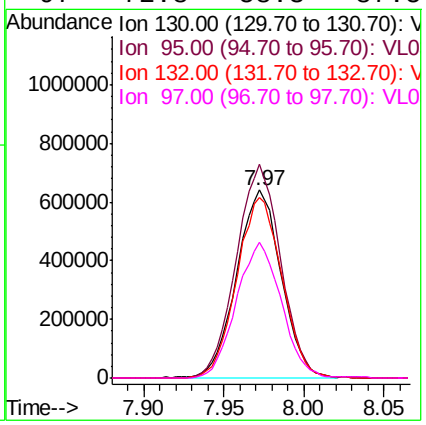


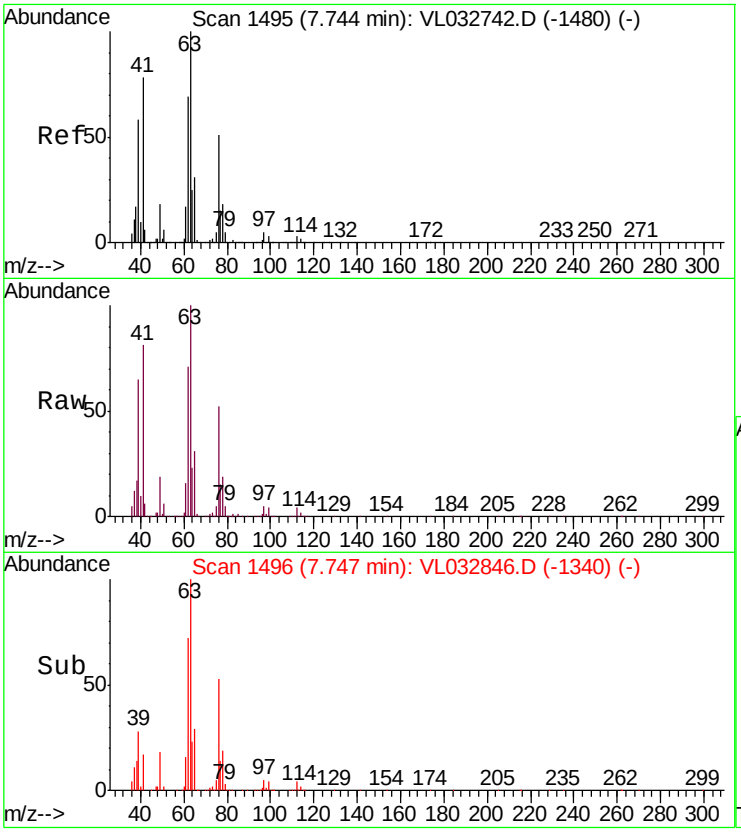


#38
Trichloroethene
Concen: 10.115 ppbv
RT: 7.97 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion:130 Resp: 1209047

Ion	Ratio	Lower	Upper
130	100		
95	113.9	87.7	131.5
132	96.2	74.6	111.8
97	72.8	58.3	87.5



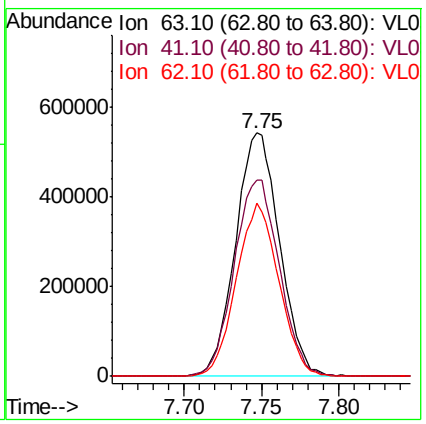


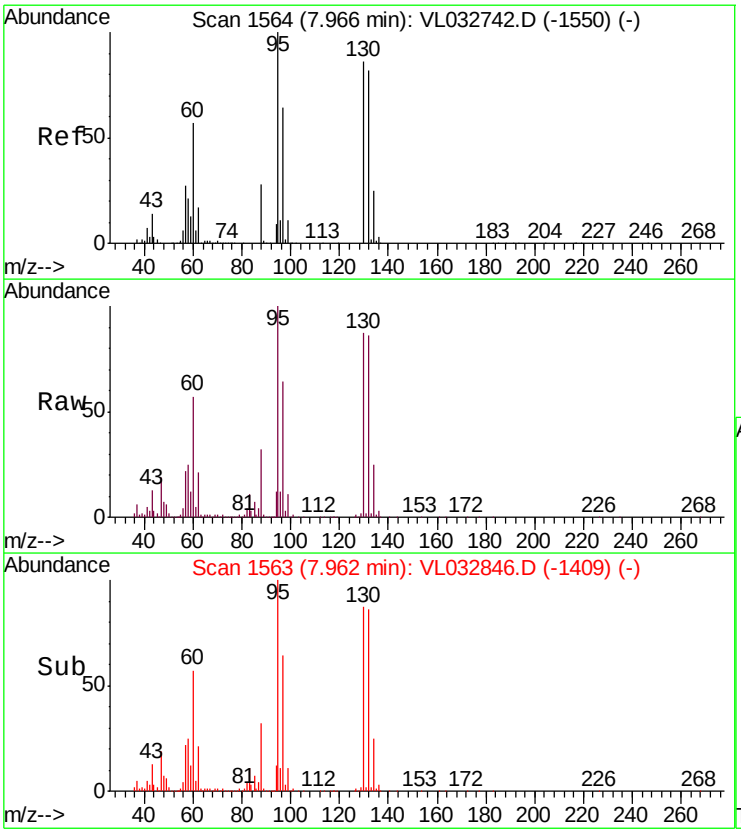
#39
1,2-Dichloropropane
Concen: 9.519 ppbv
RT: 7.75 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 1071179

Ion	Ratio	Lower	Upper
63	100		
41	80.7	62.0	93.0
62	71.2	55.4	83.2

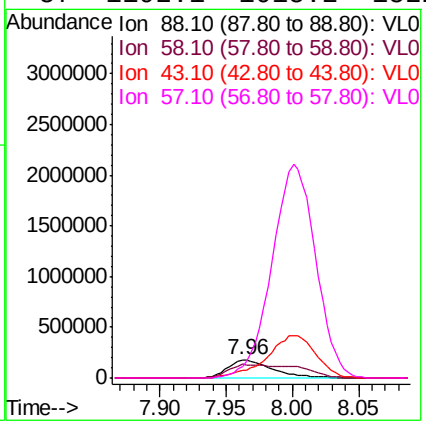


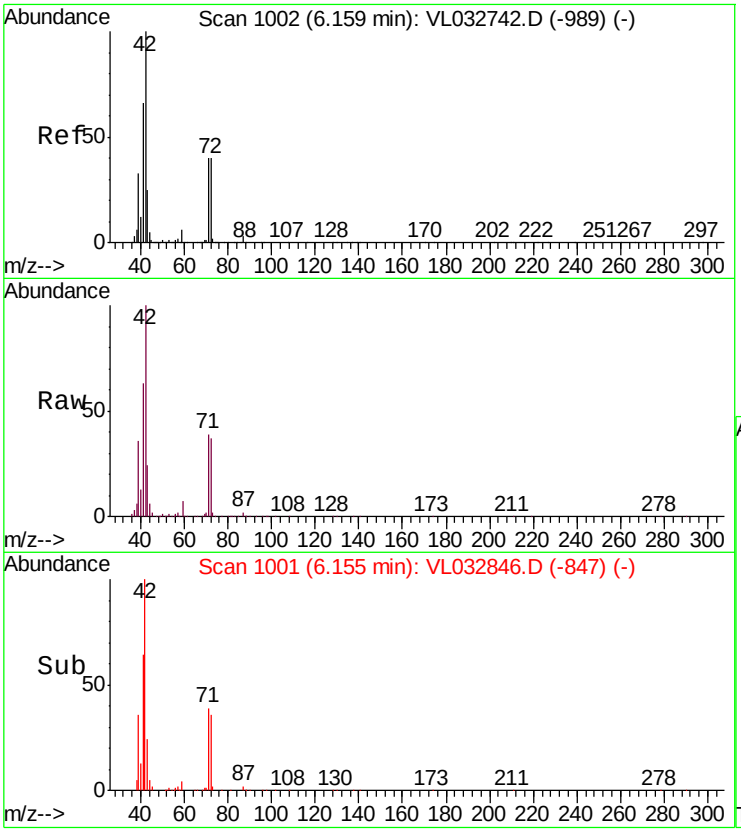


#40
1,4-Dioxane
Concen: 10.178 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 88 Resp: 409078

Ion	Ratio	Lower	Upper
88	100		
58	126.2	105.3	157.9
43	266.6	226.1	339.1
57	1192.1	1015.2	1522.8



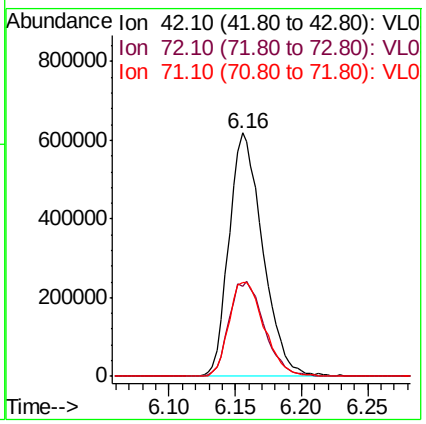


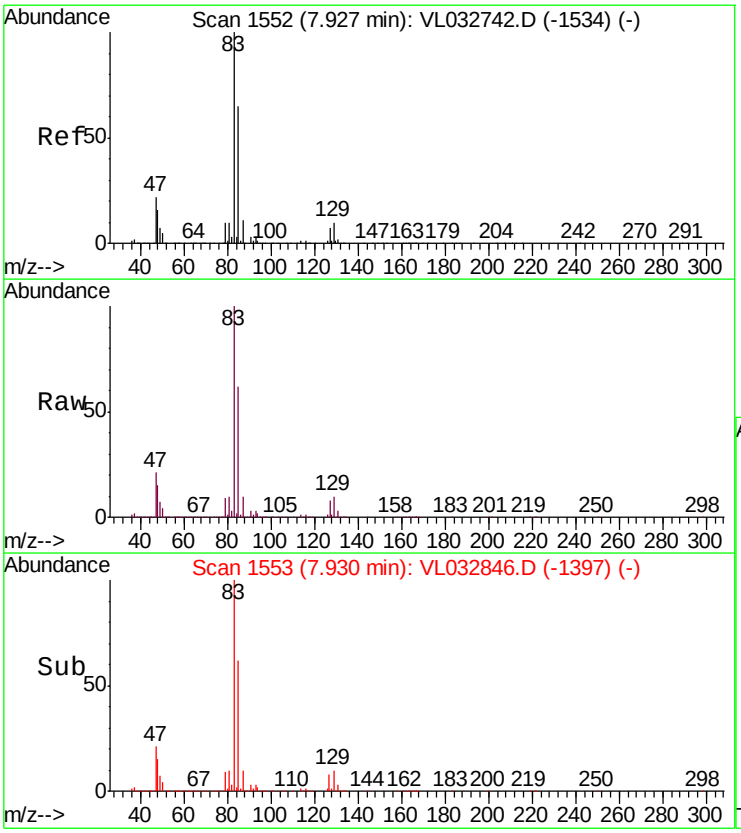
#41
Tetrahydrofuran
Concen: 9.937 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 1096516

Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.4	48.6
71	40.5	31.6	47.4

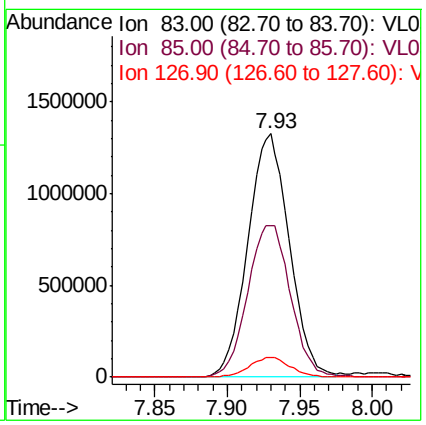


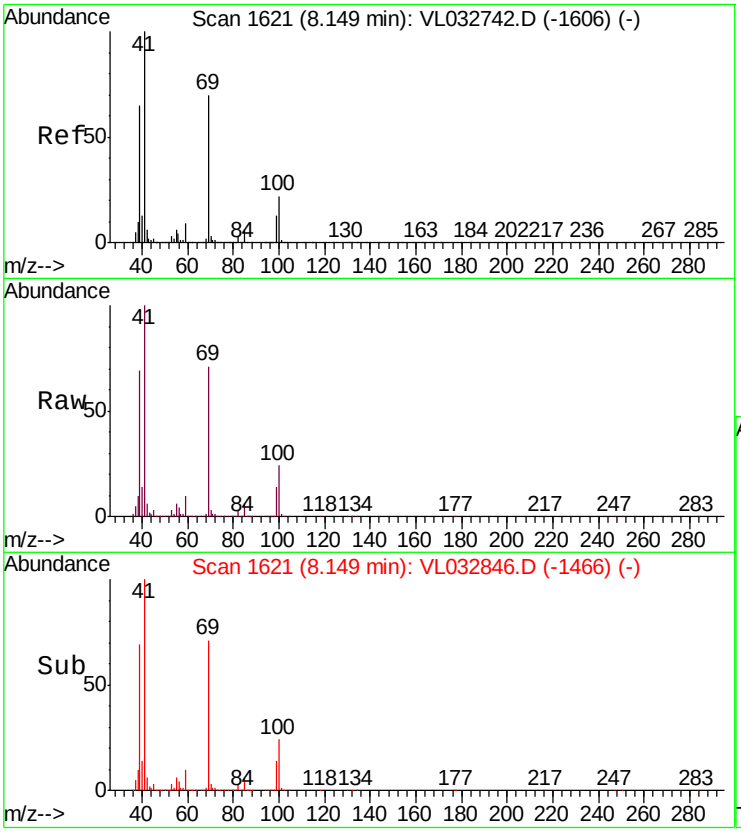


#42
Bromodichloromethane
Concen: 9.796 ppbv
RT: 7.93 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 83 Resp: 2640329

Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.8	77.8
127	7.9	5.9	8.9



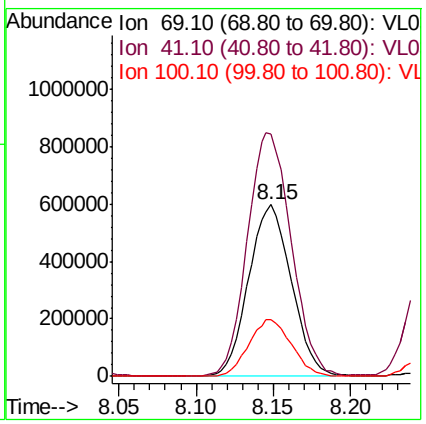


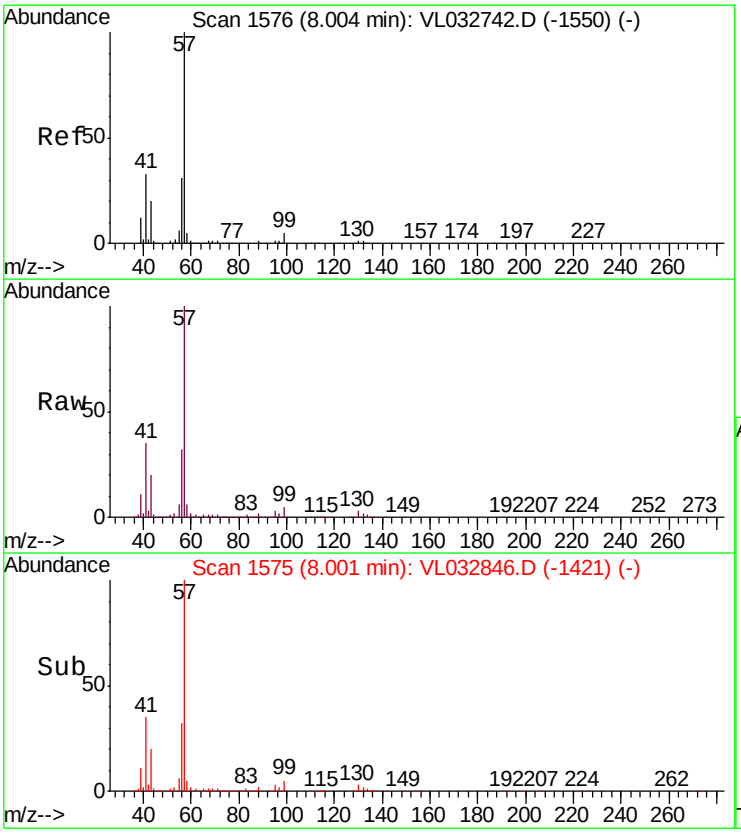
#43
Methyl Methacrylate
Concen: 10.416 ppbv
RT: 8.15 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 1148522

Ion	Ratio	Lower	Upper
69	100		
41	145.5	115.0	172.4
100	33.2	25.4	38.0

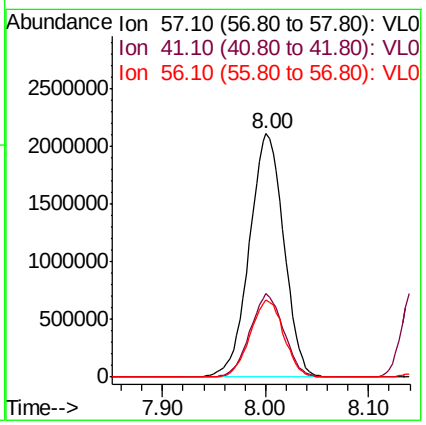


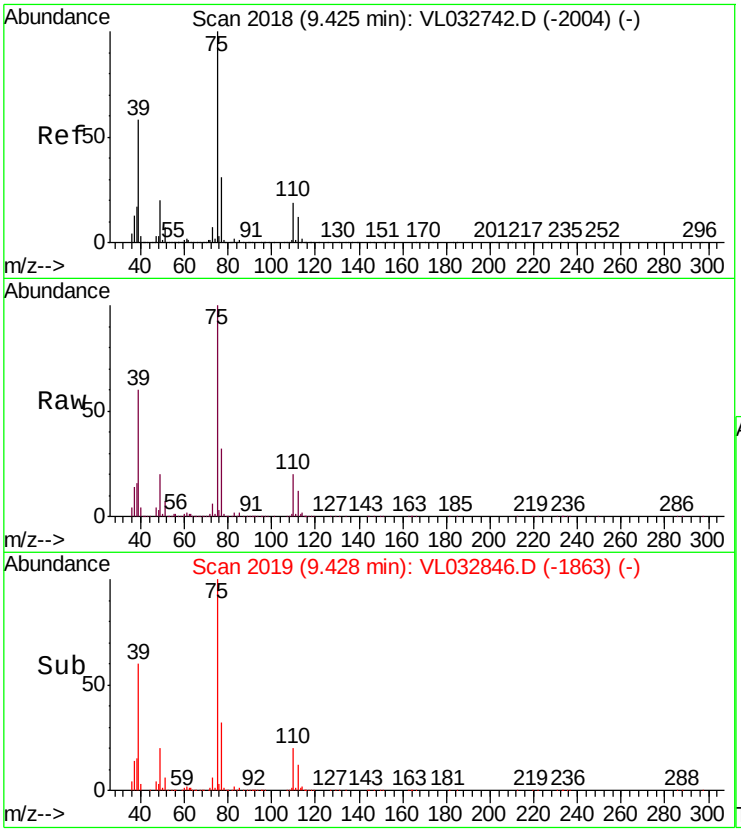


#44
2,2,4-Trimethylpentane
Concen: 9.871 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 57 Resp: 4871937

Ion	Ratio	Lower	Upper
57	100		
41	33.5	26.6	39.8
56	30.9	24.8	37.2



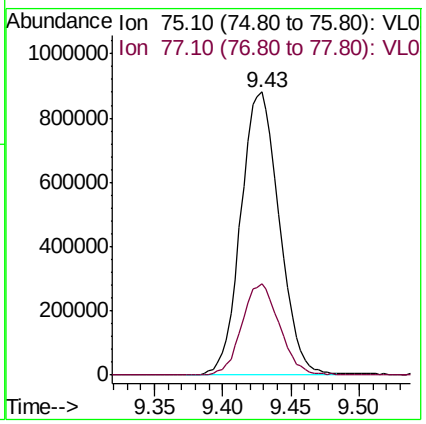


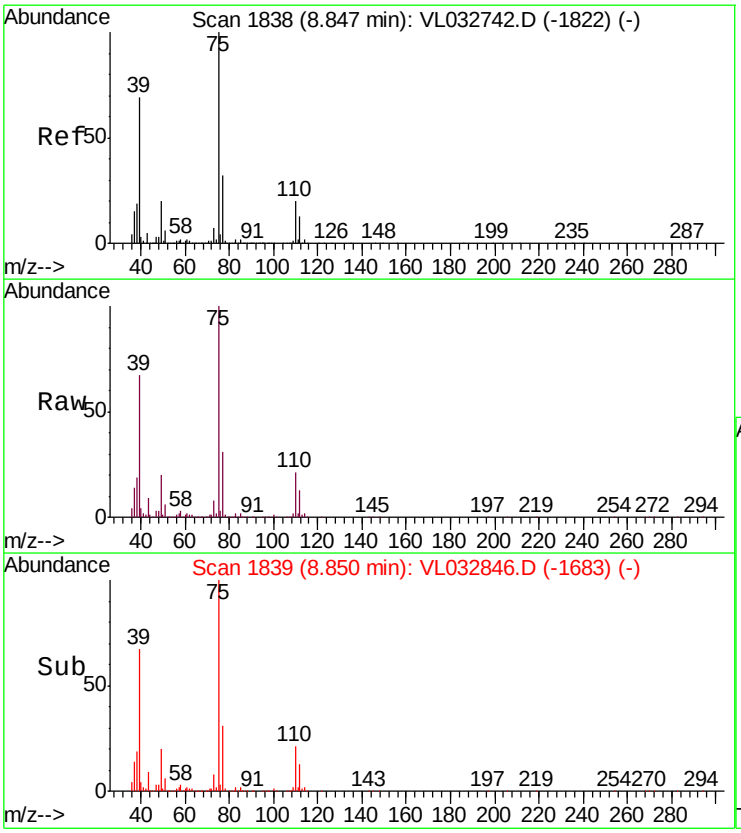
#45
t-1,3-Dichloropropene
Concen: 11.667 ppbv
RT: 9.43 min Scan# 2019
Delta R.T. 0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1726304

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.6	36.8

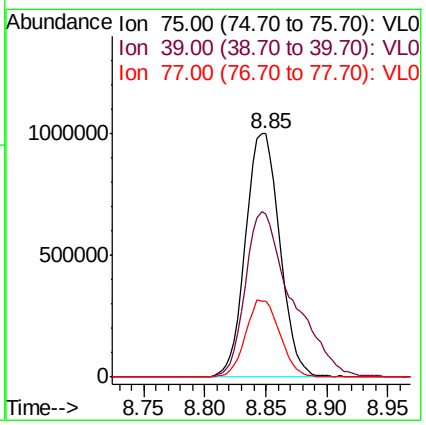


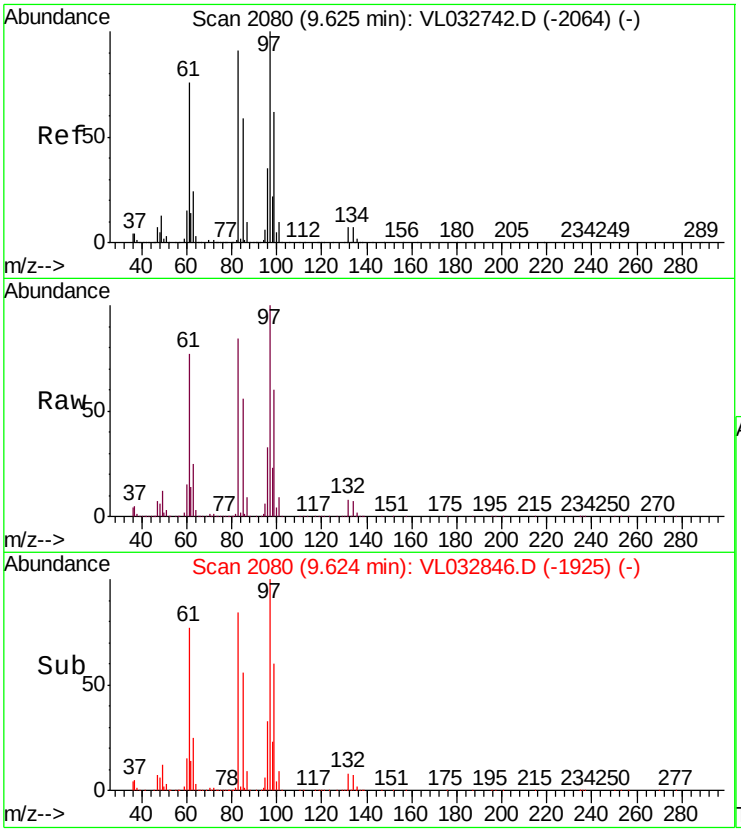


#46
cis-1,3-Dichloropropene
Concen: 10.823 ppbv
RT: 8.85 min Scan# 1839
Delta R.T. 0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 75 Resp: 1934684

Ion	Ratio	Lower	Upper
75	100		
39	67.0	55.2	82.8
77	31.4	25.8	38.6



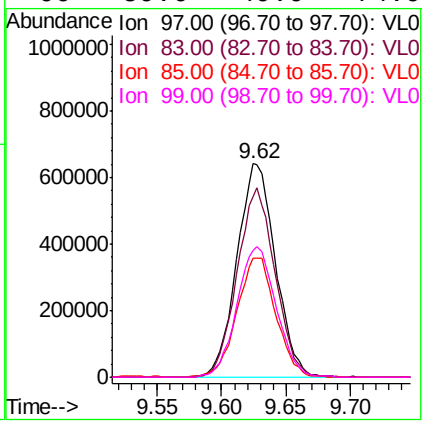


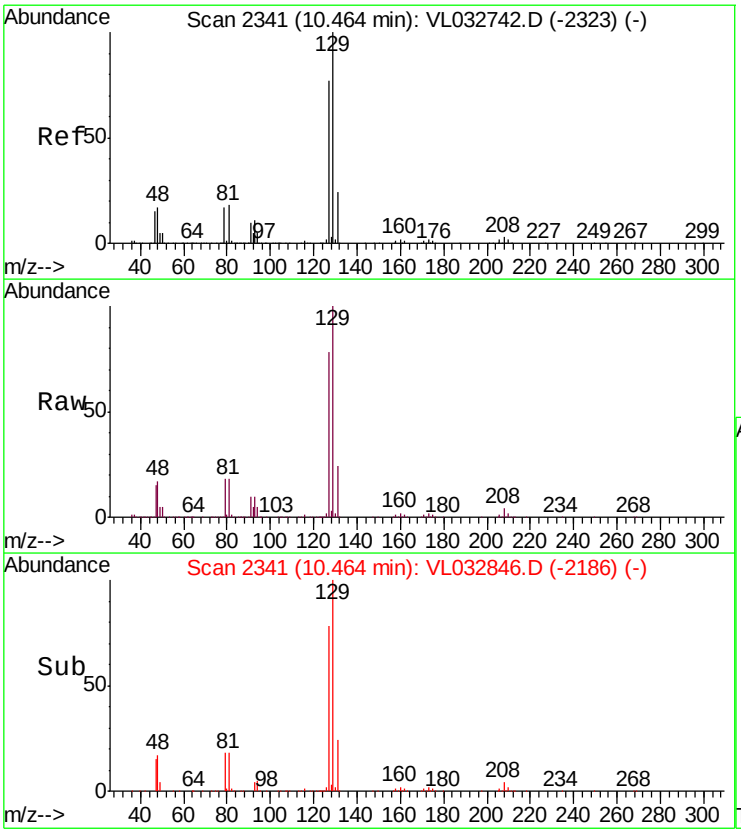
#47
1,1,2-Trichloroethane
Concen: 10.019 ppbv
RT: 9.62 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 1333155

Ion	Ratio	Lower	Upper
97	100		
83	84.4	73.0	109.4
85	55.5	47.0	70.4
99	59.6	49.9	74.9

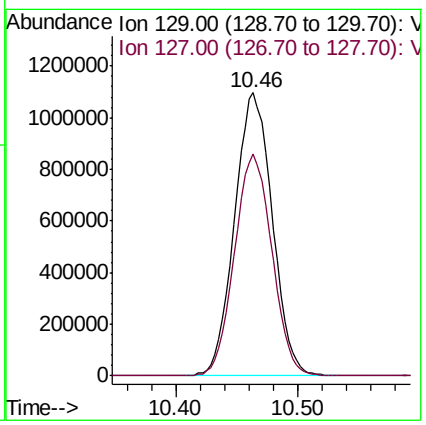


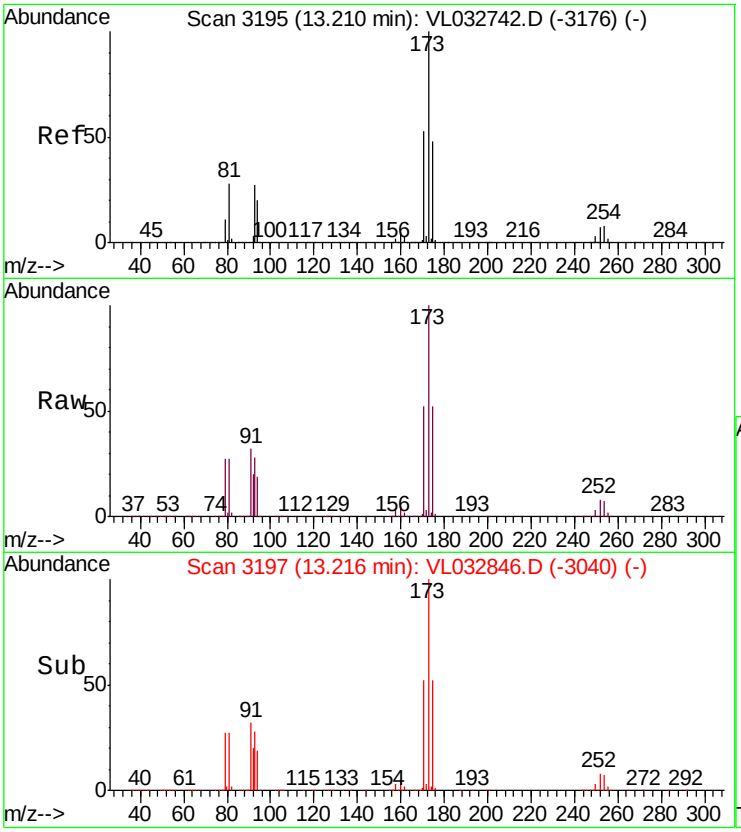


#48
Dibromochloromethane
Concen: 10.345 ppbv
RT: 10.46 min Scan# 2341
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion:129 Resp: 2339725

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.0	117.0



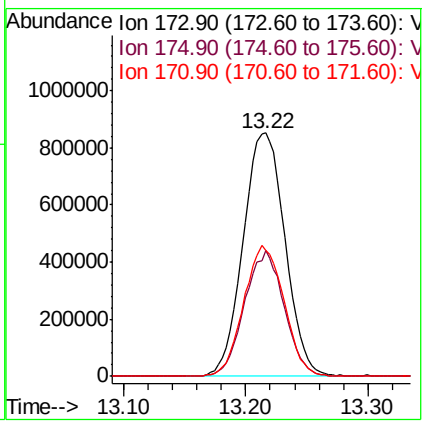


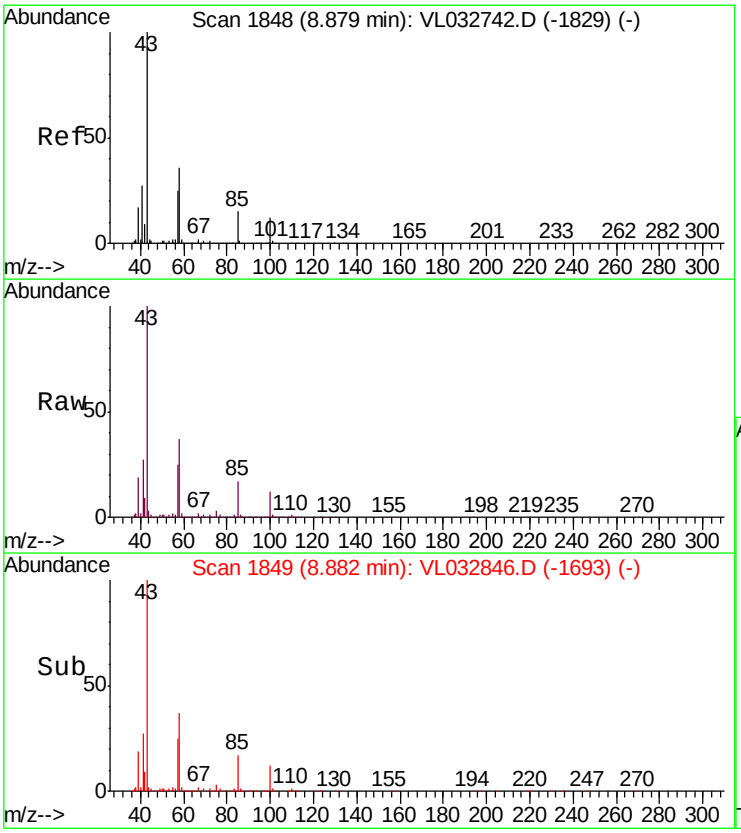
#49
Bromoform
Concen: 10.819 ppbv
RT: 13.22 min Scan# 3197
Delta R.T. 0.01 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 2020804

Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.4	59.0
171	51.8	42.0	63.0

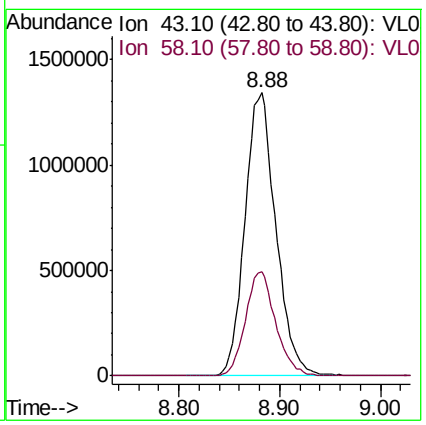


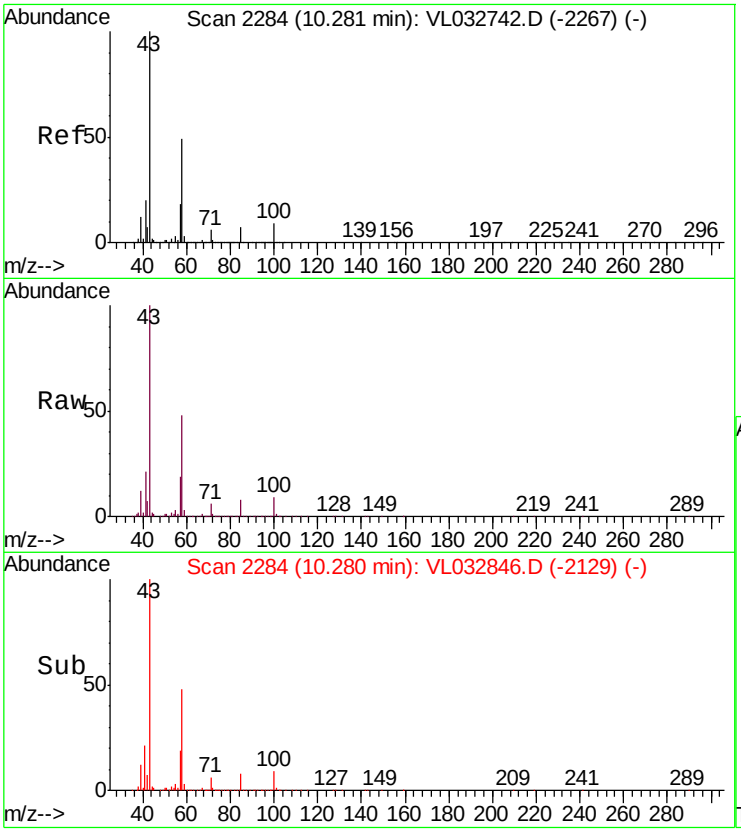


#50
4-Methyl-2-Pentanone
Concen: 9.472 ppbv
RT: 8.88 min Scan# 1849
Delta R.T. 0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 43 Resp: 2846185

Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.8	43.2



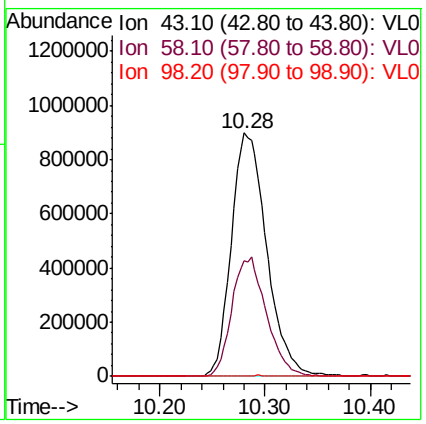


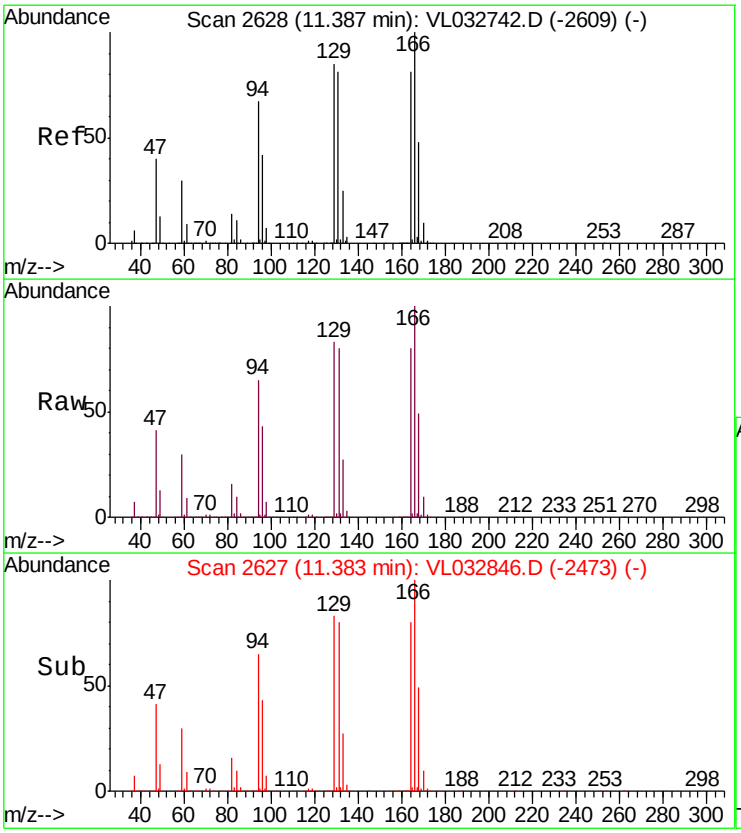
#51
2-Hexanone
Concen: 10.771 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2085087

Ion	Ratio	Lower	Upper
43	100		
58	48.2	38.9	58.3
98	0.5	0.2	0.4#

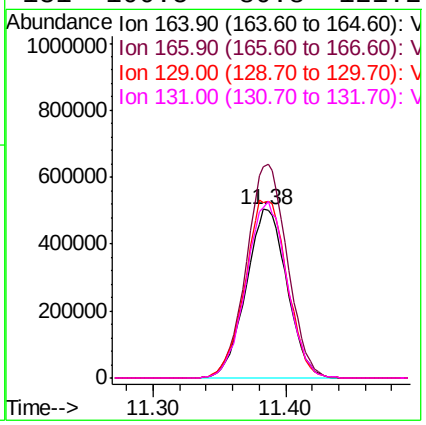


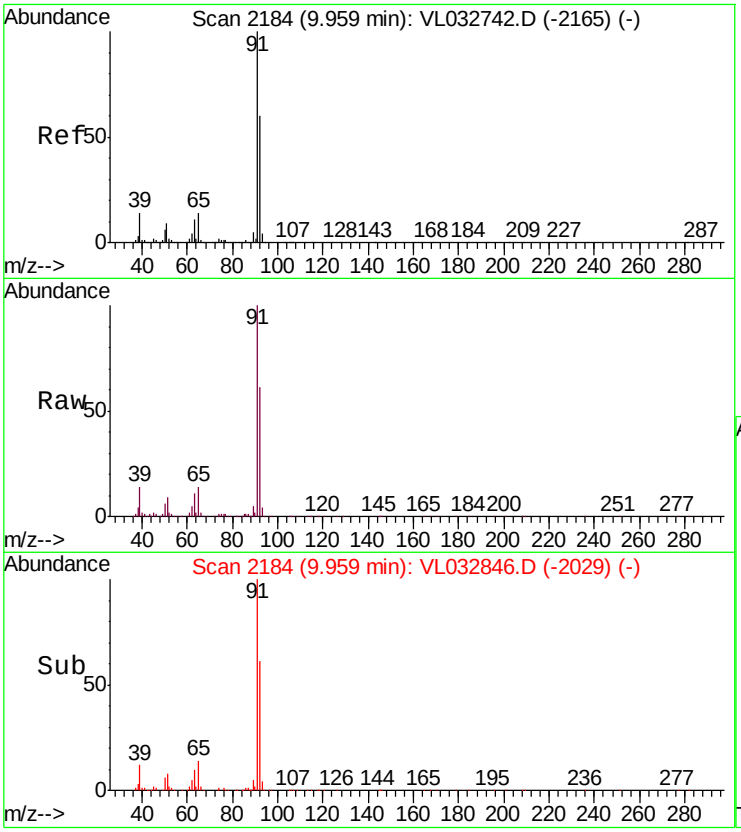


#52
Tetrachloroethene
Concen: 10.468 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion:164 Resp: 1075586

Ion	Ratio	Lower	Upper
164	100		
166	125.0	99.3	148.9
129	104.0	83.9	125.9
131	100.5	80.8	121.2



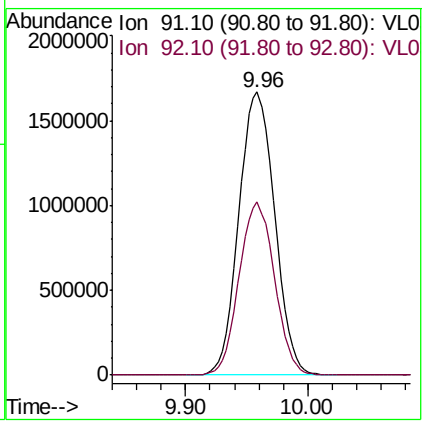


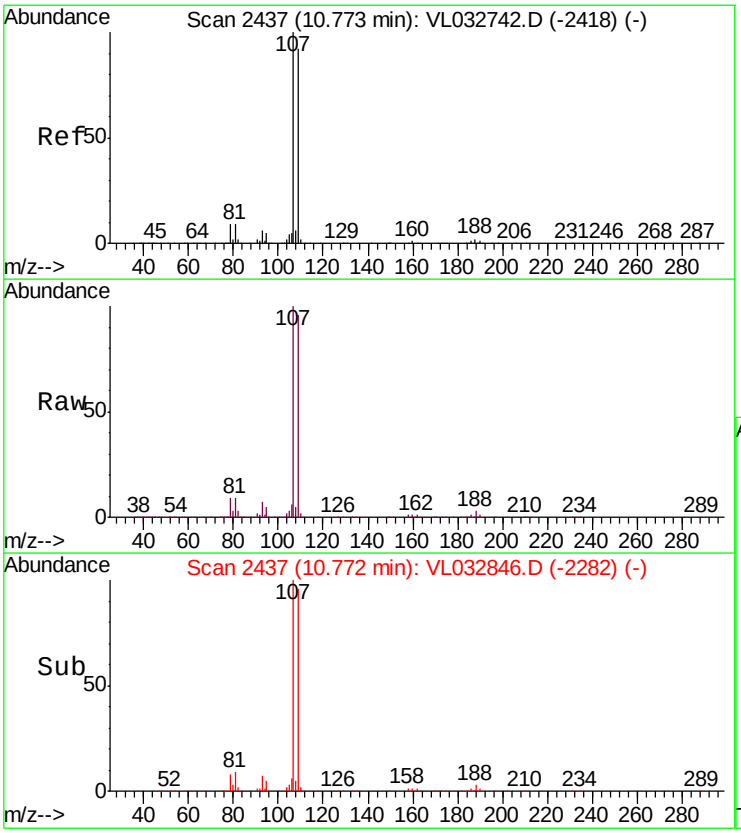
#53
Toluene
Concen: 10.993 ppbv
RT: 9.96 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 3387261

Ion	Ratio	Lower	Upper
91	100		
92	60.3	47.9	71.9

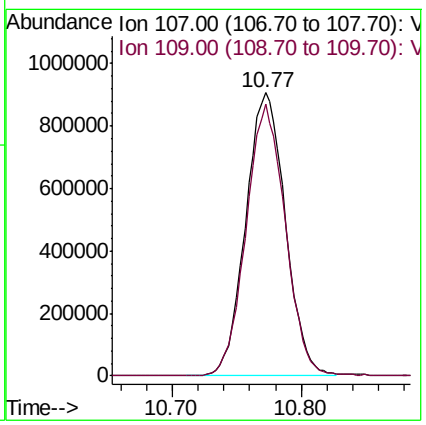


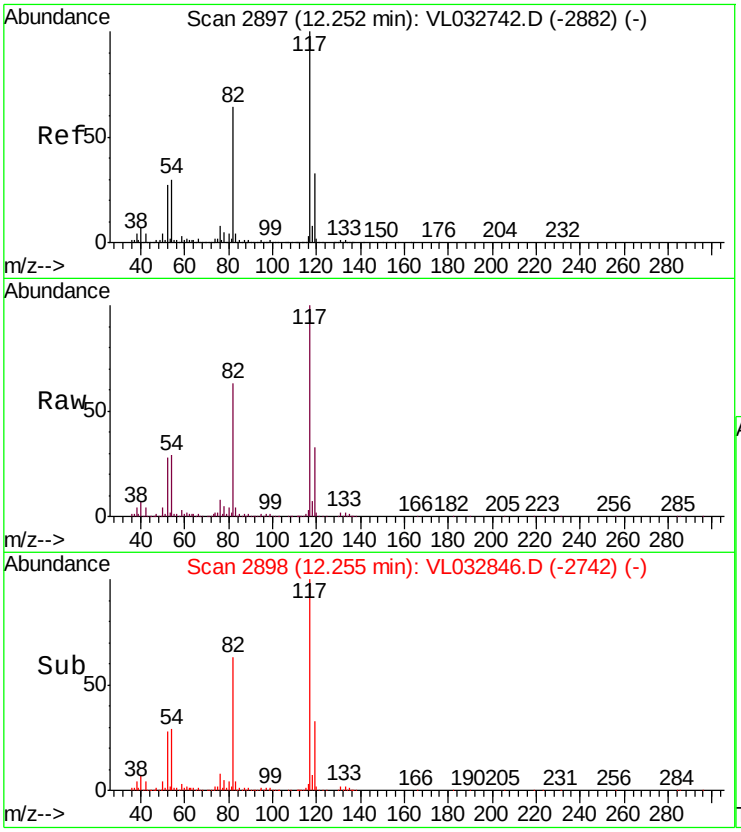


#54
1,2-Dibromoethane
Concen: 10.309 ppbv
RT: 10.77 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion:107 Resp: 1939101

Ion	Ratio	Lower	Upper
107	100		
109	96.1	73.8	110.8



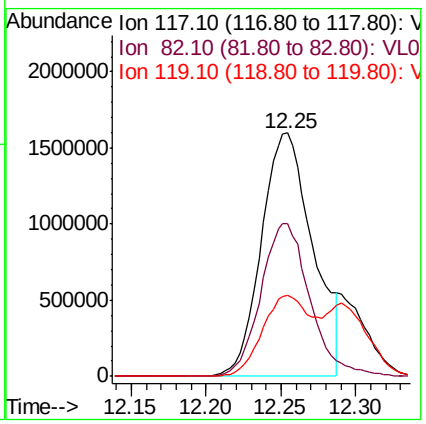


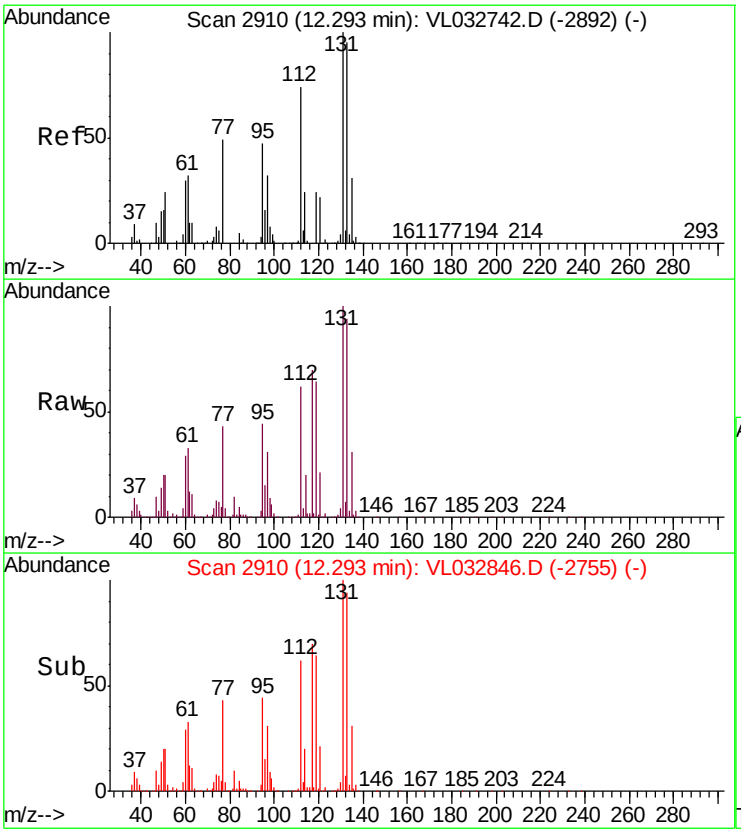
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 3808444

Ion	Ratio	Lower	Upper
117	100		
82	60.3	51.0	76.6
119	29.1	28.0	42.0

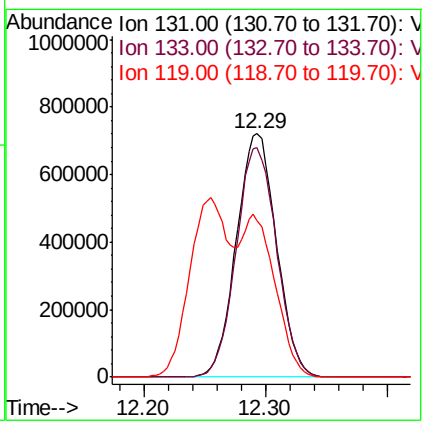


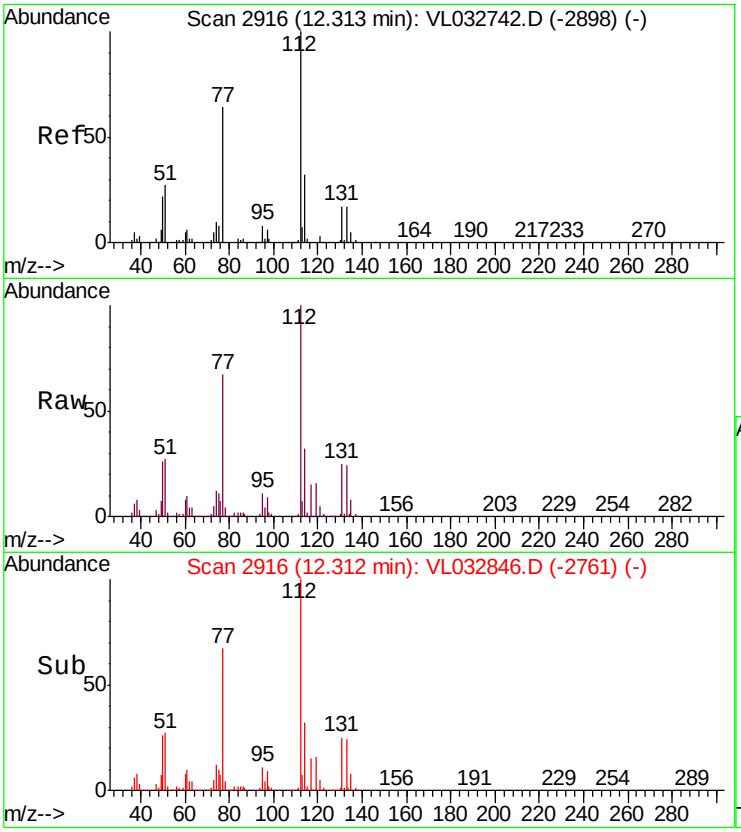


#56
1,1,1,2-Tetrachloroethane
Concen: 9.206 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion:131 Resp: 1635270

Ion	Ratio	Lower	Upper
131	100		
133	95.6	75.8	113.6
119	54.5	45.2	67.8



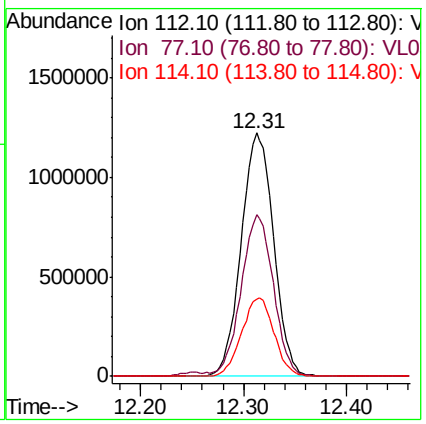


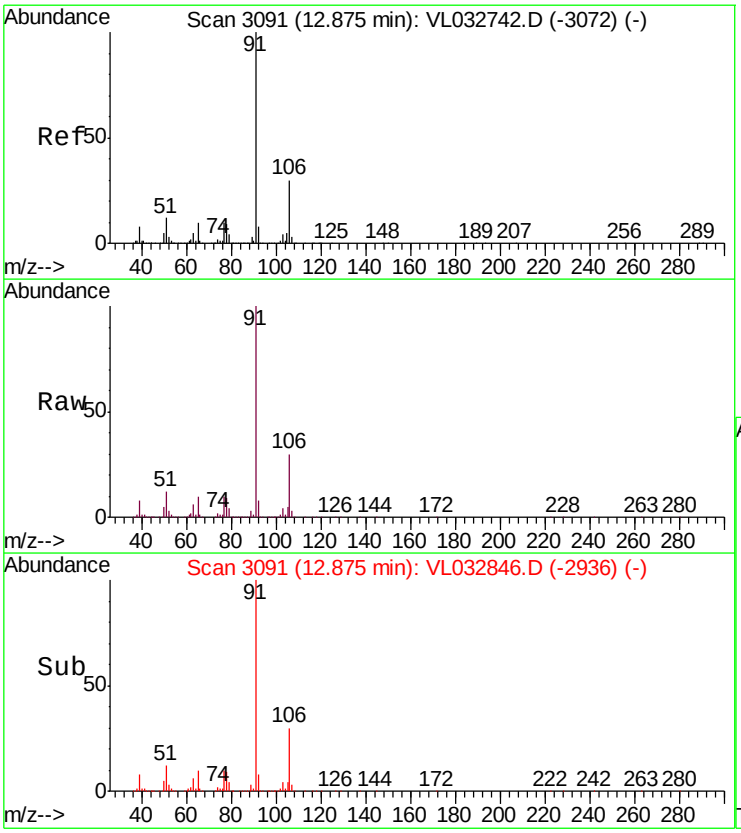
#57
Chlorobenzene
Concen: 9.161 ppbv
RT: 12.31 min Scan# 2916
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 2670619

Ion	Ratio	Lower	Upper
112	100		
77	66.5	52.3	78.5
114	31.5	28.4	34.8

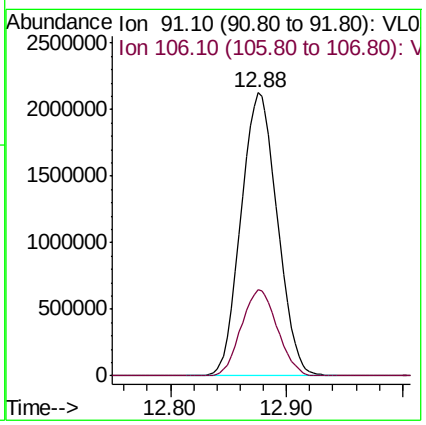


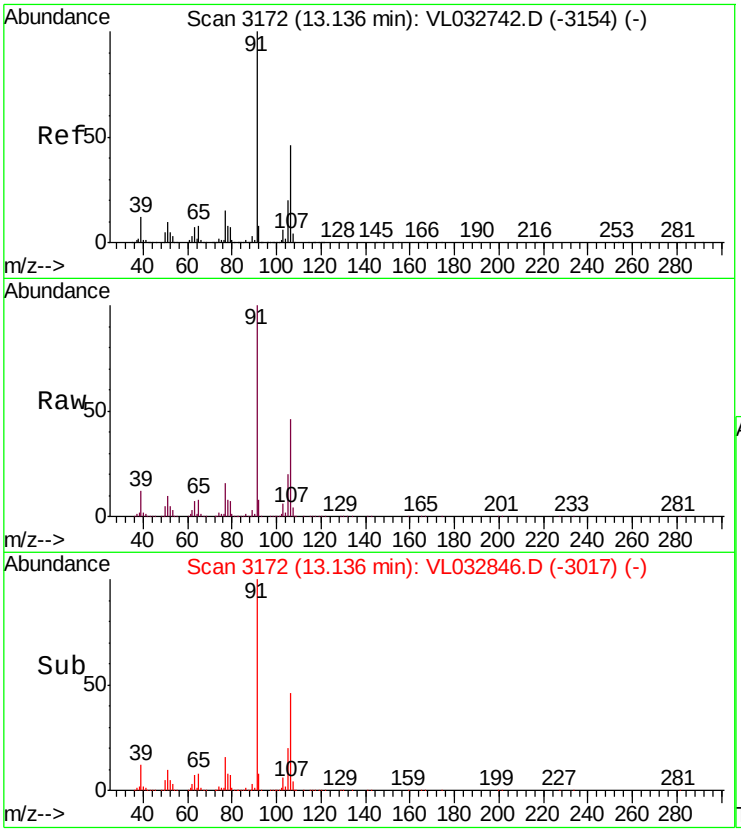


#58
Ethyl Benzene
Concen: 10.116 ppbv
RT: 12.88 min Scan# 3091
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 91 Resp: 4636610

Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.6	35.4



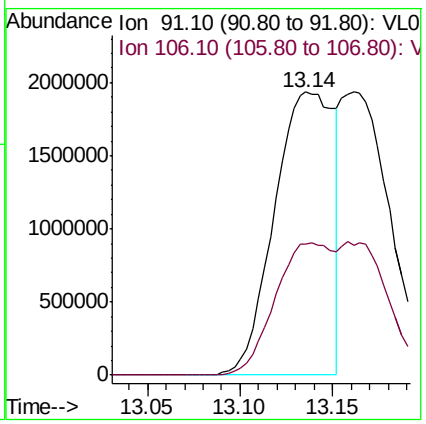


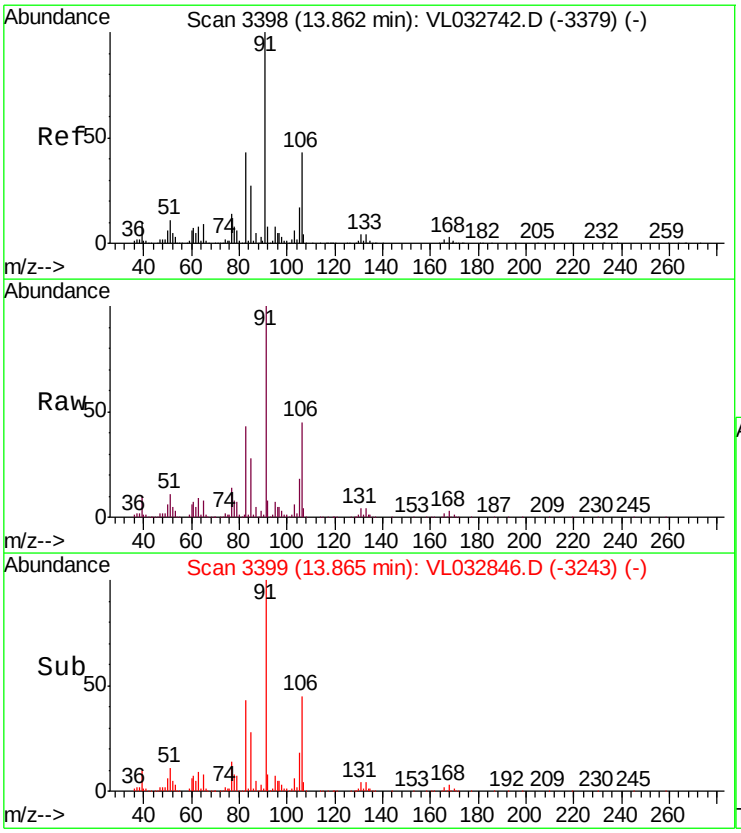
#59
m/p-Xylene
Concen: 10.518 ppbv
RT: 13.14 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 4291733

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

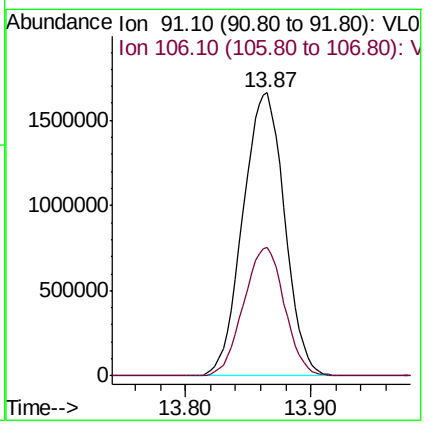


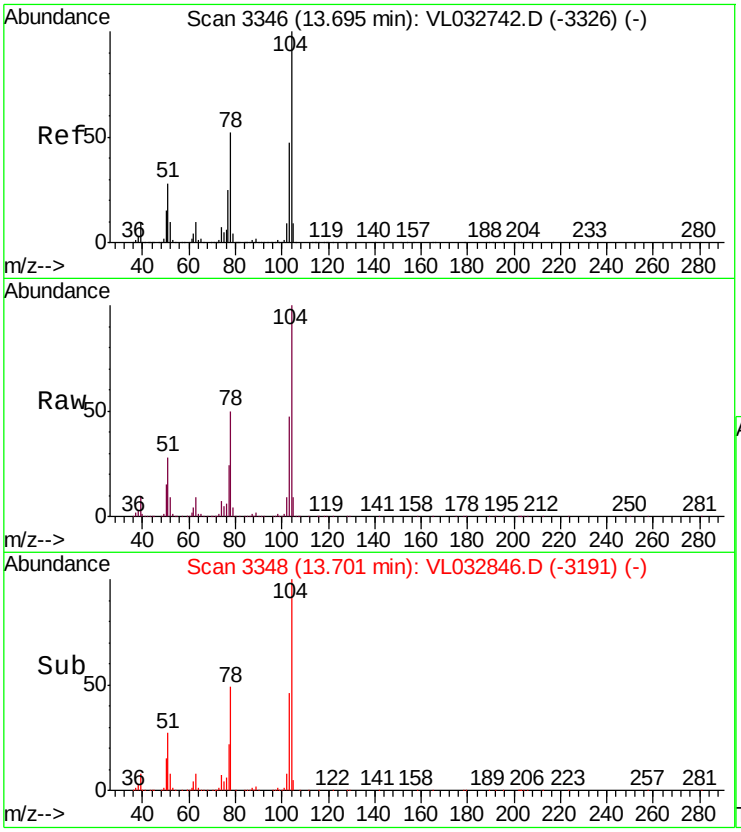


#60
o-Xylene
Concen: 9.351 ppbv
RT: 13.87 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 91 Resp: 3836484

Ion	Ratio	Lower	Upper
91	100		
106	44.6	21.9	65.7



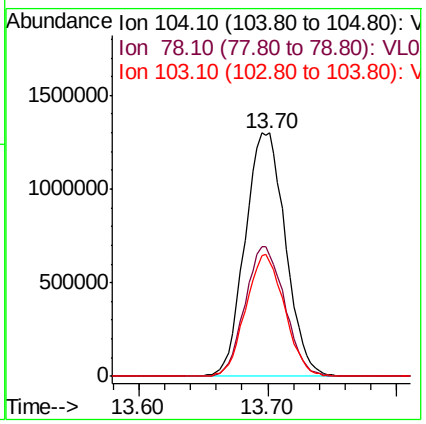


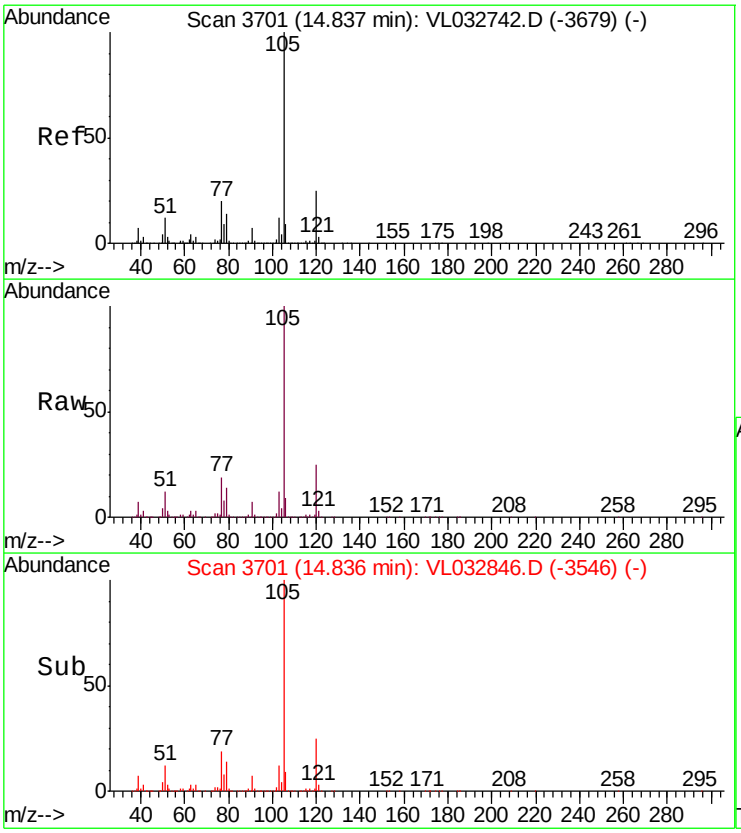
#61
Styrene
Concen: 10.630 ppbv
RT: 13.70 min Scan# 3348
Delta R.T. 0.01 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 2839072

Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.2	63.4
103	48.0	38.2	57.2

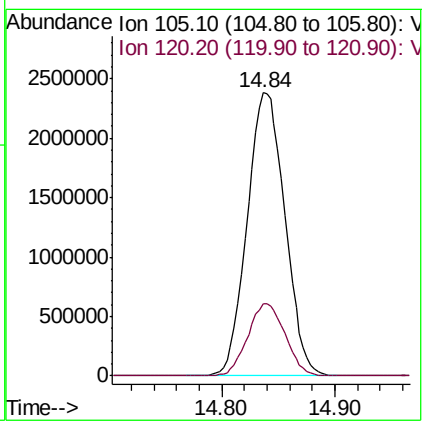


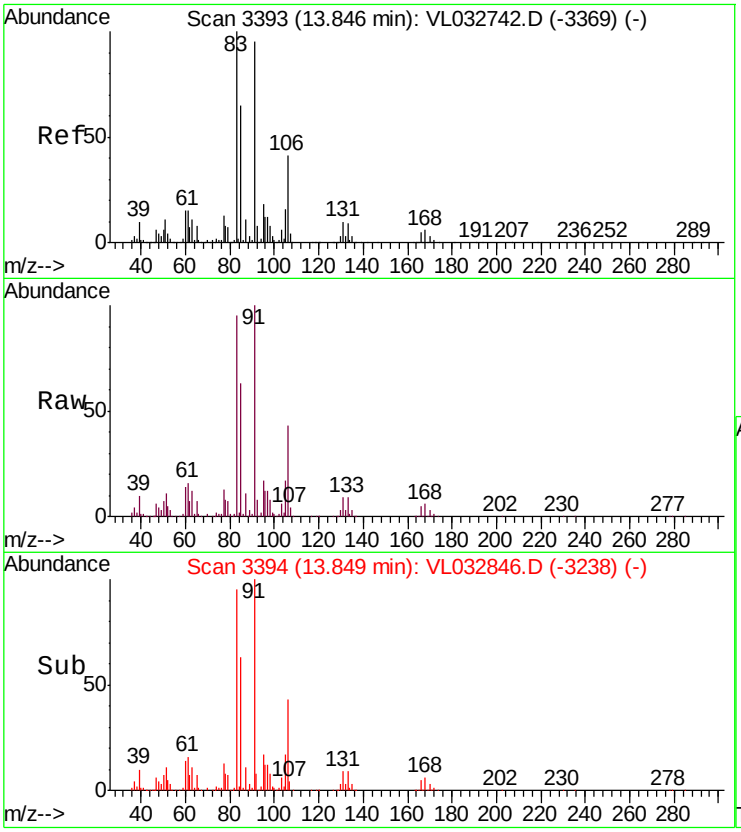


#62
Isopropylbenzene
Concen: 9.944 ppbv
RT: 14.84 min Scan# 3701
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion:105 Resp: 5514294

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.1	30.1



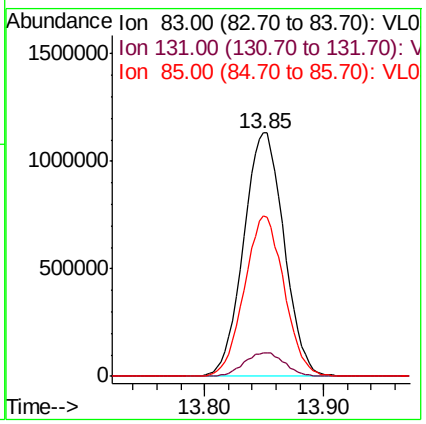


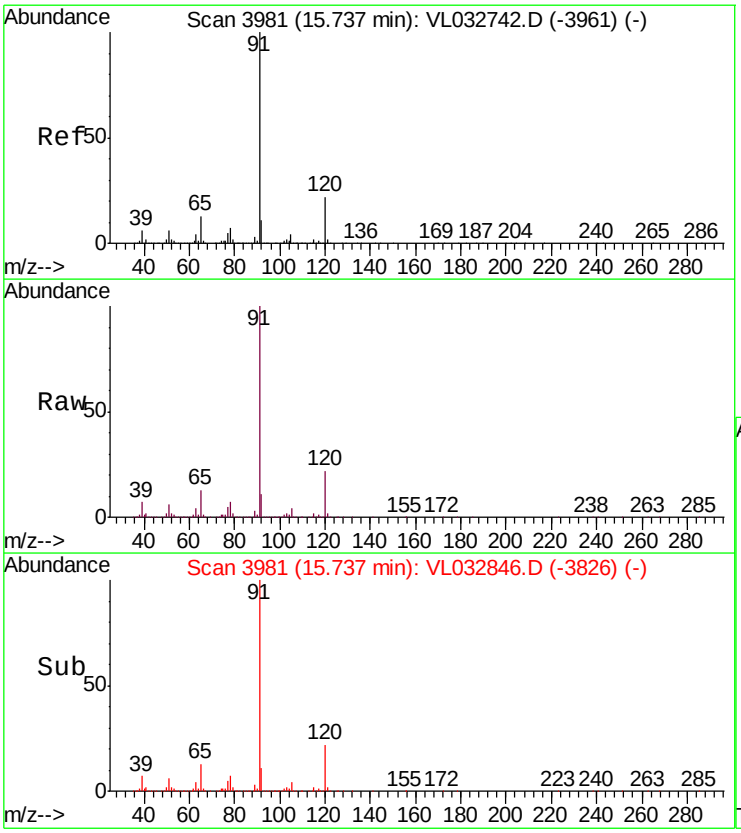
#63
1,1,2,2-Tetrachloroethane
Concen: 8.330 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 83 Resp: 2664048

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.7	14.1
85	64.7	32.5	97.4

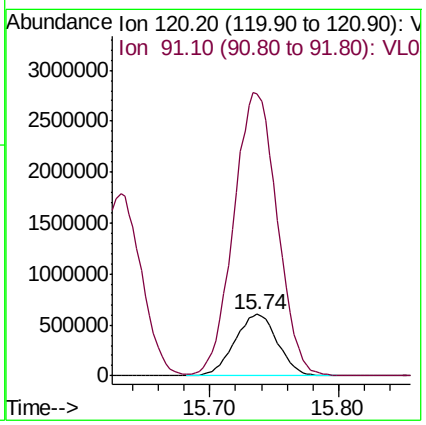


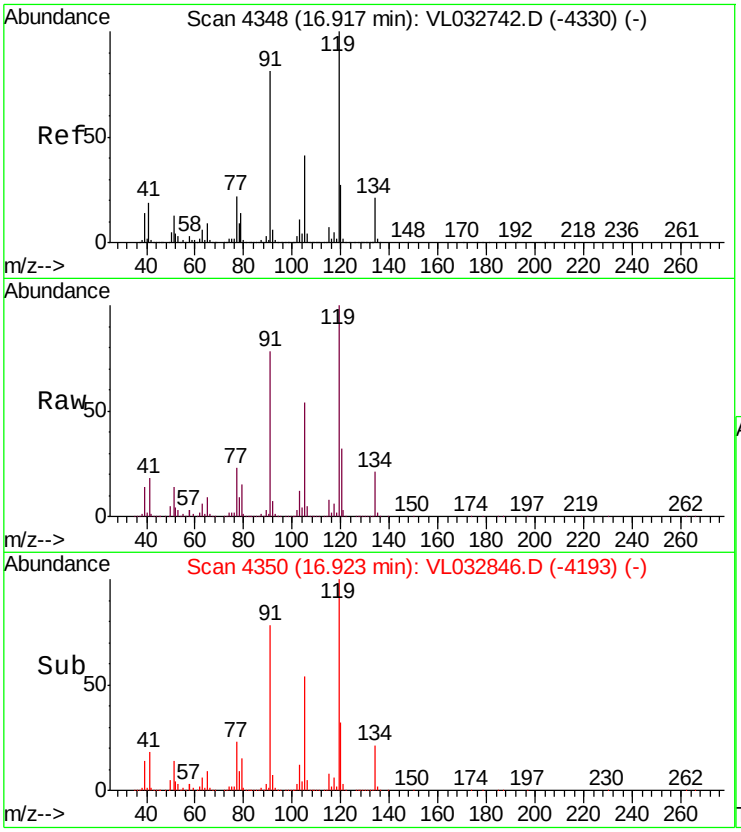


#64
n-propylbenzene
Concen: 9.564 ppbv
RT: 15.74 min Scan# 3981
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion:120 Resp: 1395026

Ion	Ratio	Lower	Upper
120	100		
91	469.9	381.7	572.5



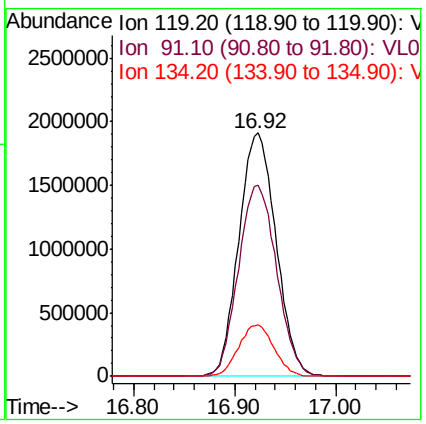


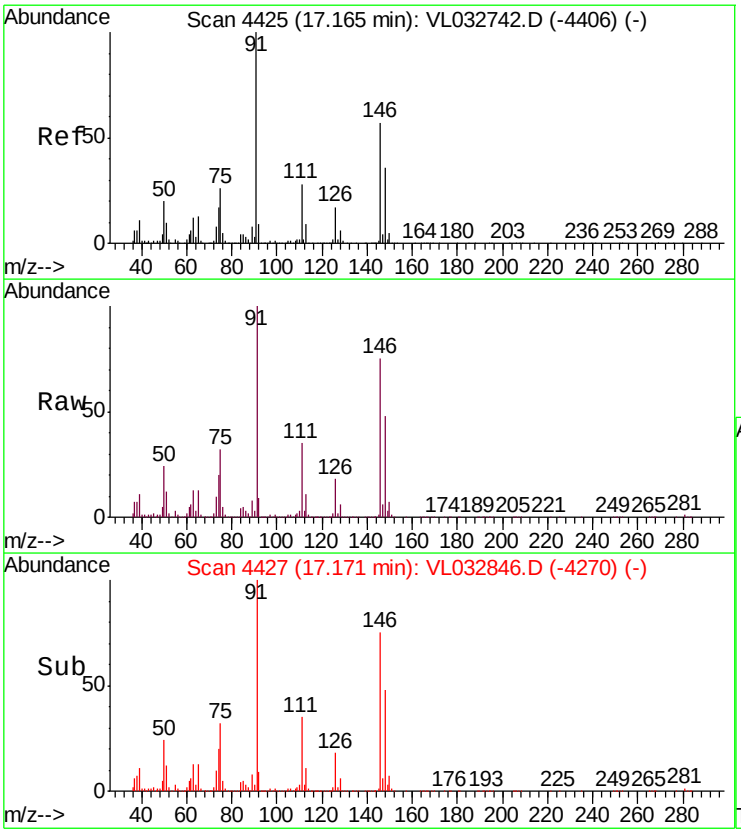
#65
tert-Butylbenzene
Concen: 9.847 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. 0.01 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 4894666

Ion	Ratio	Lower	Upper
119	100		
91	80.8	65.6	98.4
134	20.1	15.9	23.9

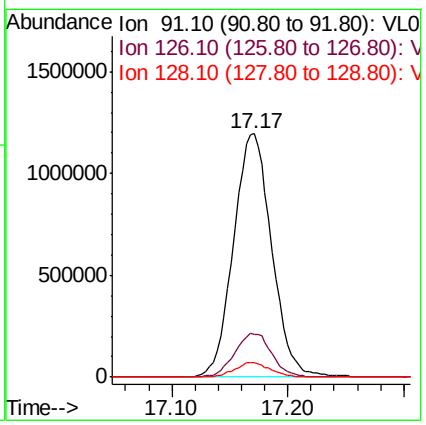


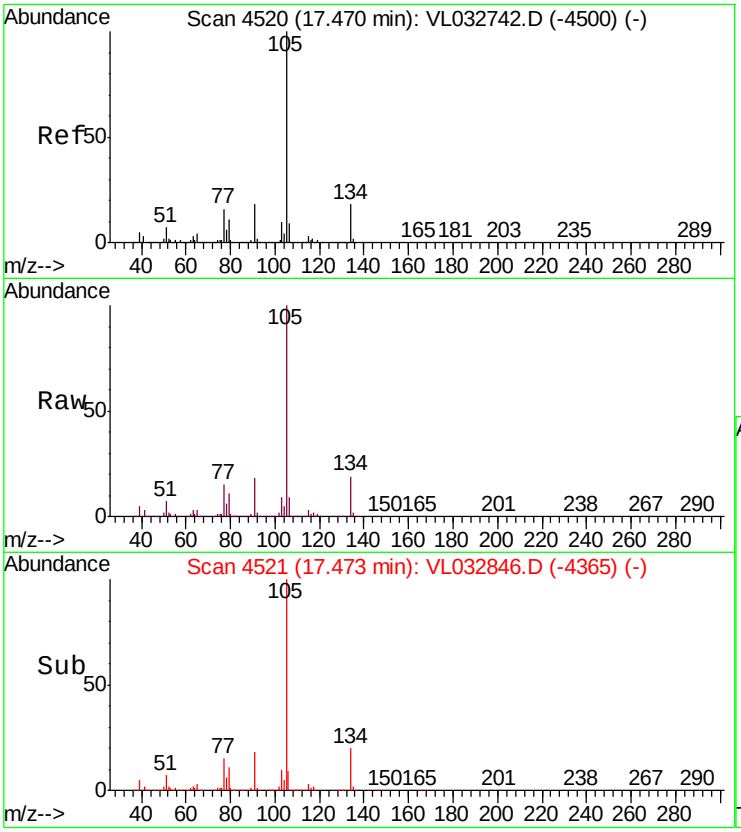


#66
Benzyl Chloride
Concen: 9.883 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. 0.01 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 91 Resp: 2716106

Ion	Ratio	Lower	Upper
91	100		
126	17.7	14.2	21.2
128	5.7	4.5	6.7



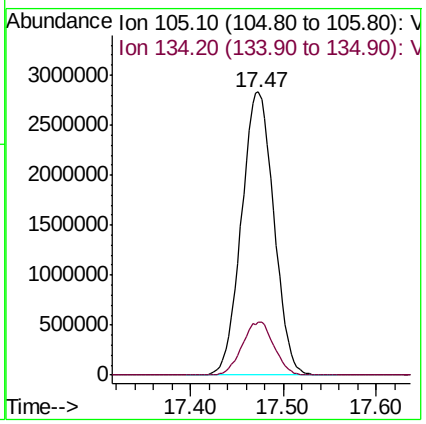


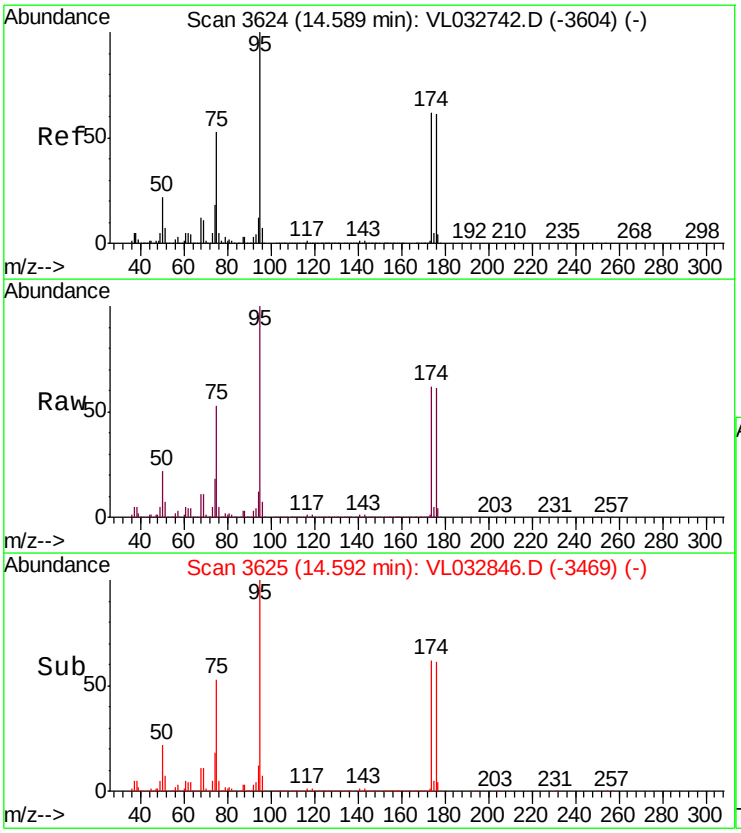
#67
sec-Butylbenzene
Concen: 9.564 ppbv
RT: 17.47 min Scan# 4521
Delta R.T. 0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:105 Resp: 6851326

Ion	Ratio	Lower	Upper
105	100		
134	18.5	14.6	21.8

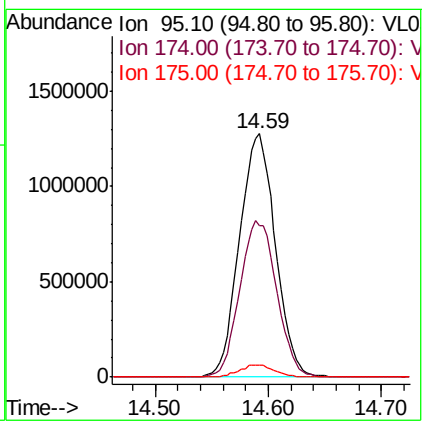


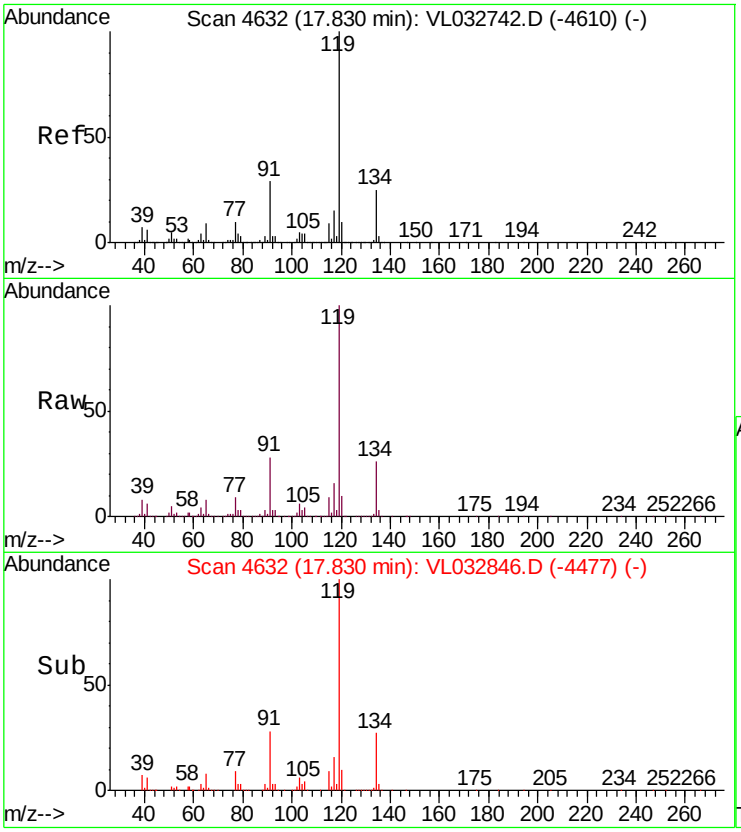


#68
1-Bromo-4-Fluorobenzene
Concen: 9.900 ppbv
RT: 14.59 min Scan# 3625
Delta R.T. 0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 95 Resp: 2819895

Ion	Ratio	Lower	Upper
95	100		
174	66.2	50.7	76.1
175	5.0	3.8	5.6



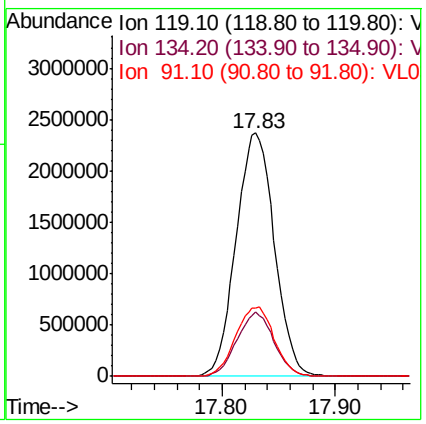


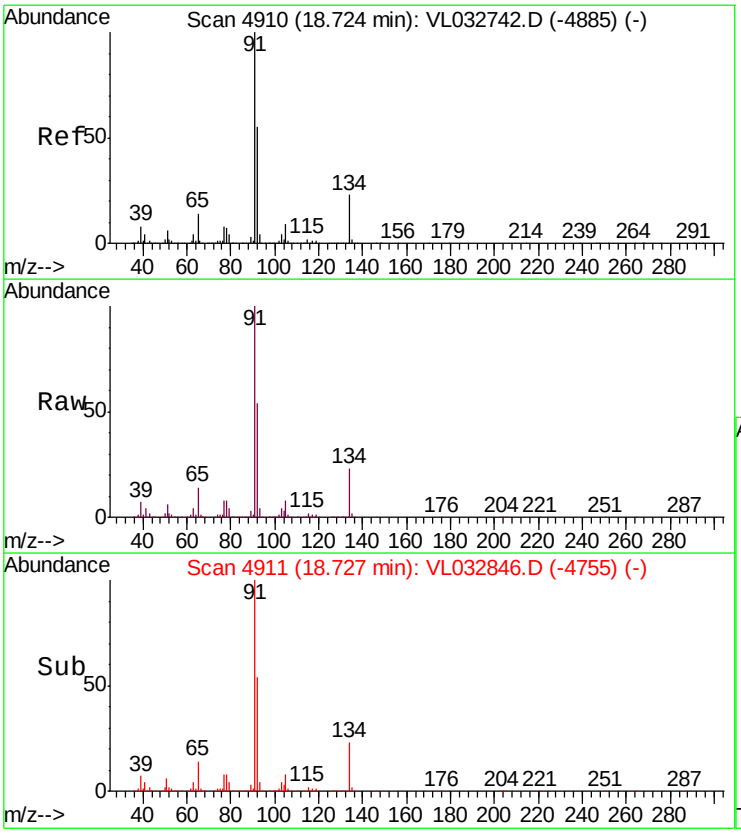
#69
p-Isopropyltoluene
Concen: 9.785 ppbv
RT: 17.83 min Scan# 4632
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 5573854

Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.2	30.4
91	28.8	23.5	35.3

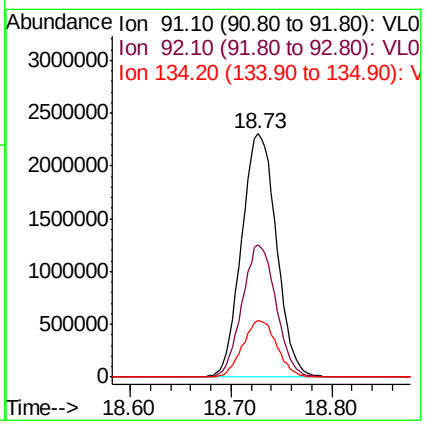


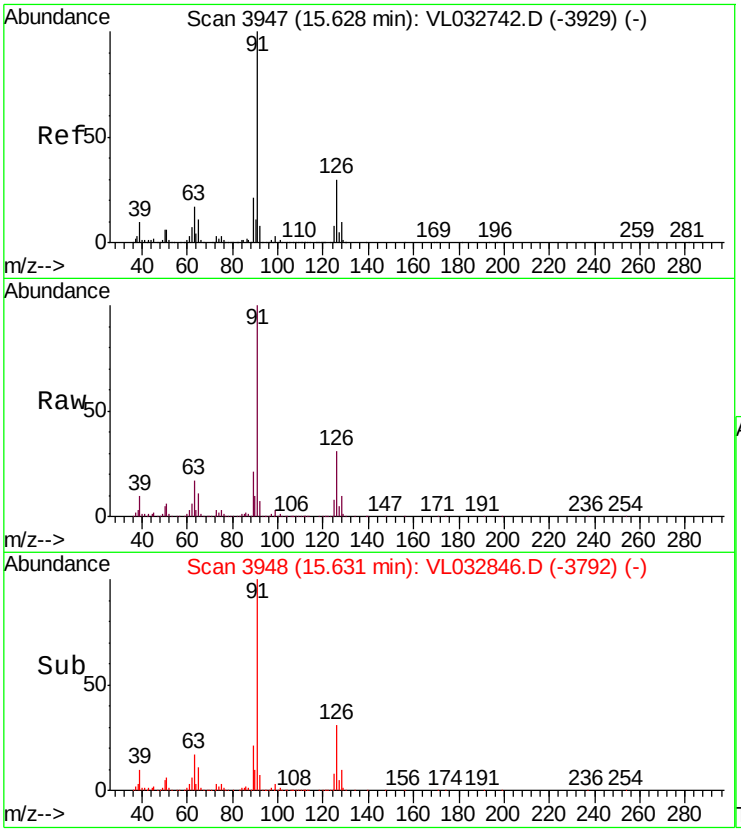


#70
n-Butylbenzene
Concen: 9.546 ppbv
RT: 18.73 min Scan# 4911
Delta R.T. 0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion: 91 Resp: 5521446

Ion	Ratio	Lower	Upper
91	100		
92	52.9	42.9	64.3
134	22.7	17.8	26.8



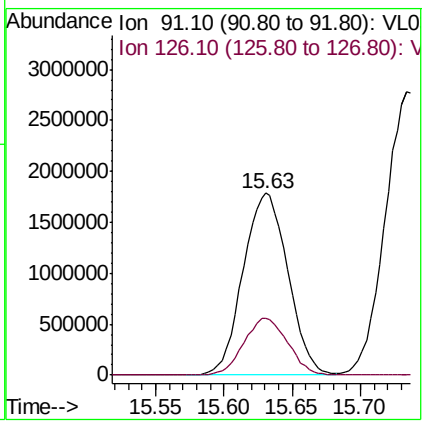


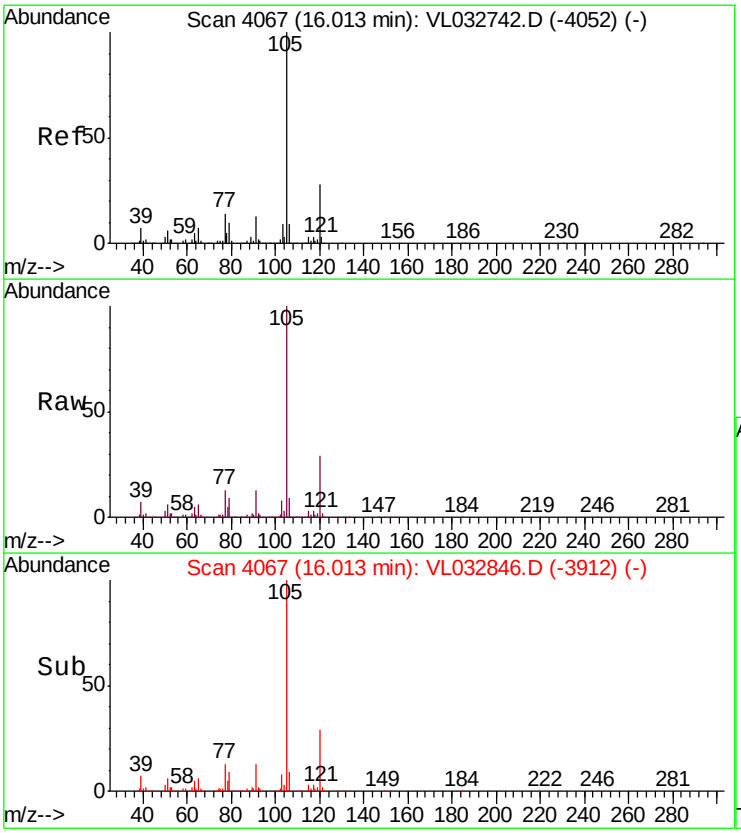
#71
2-Chlorotoluene
Concen: 9.829 ppbv
RT: 15.63 min Scan# 3948
Delta R.T. 0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 4064875

Ion	Ratio	Lower	Upper
91	100		
126	30.6	12.1	48.5

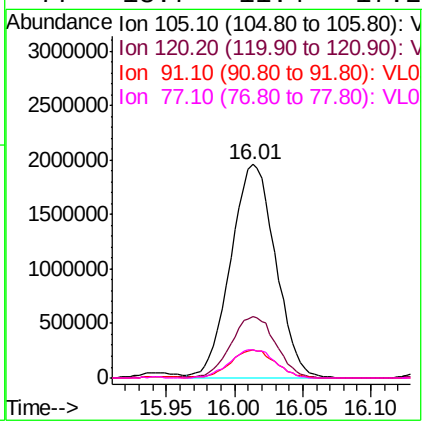


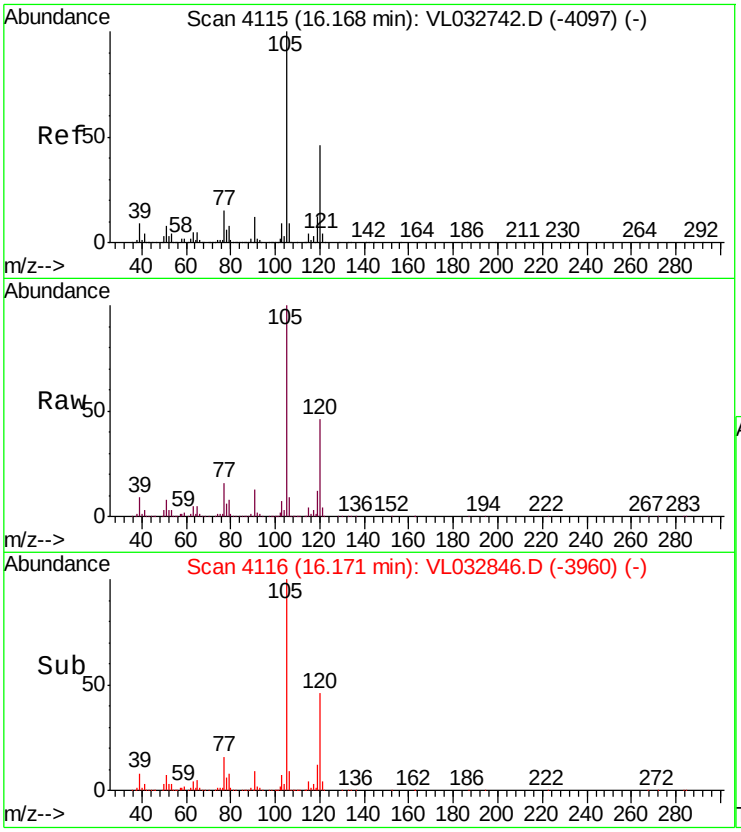


#72
4-Ethyltoluene
Concen: 9.920 ppbv
RT: 16.01 min Scan# 4067
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion:105 Resp: 4460786

Ion	Ratio	Lower	Upper
105	100		
120	28.9	22.9	34.3
91	13.1	10.6	15.8
77	13.7	11.4	17.2



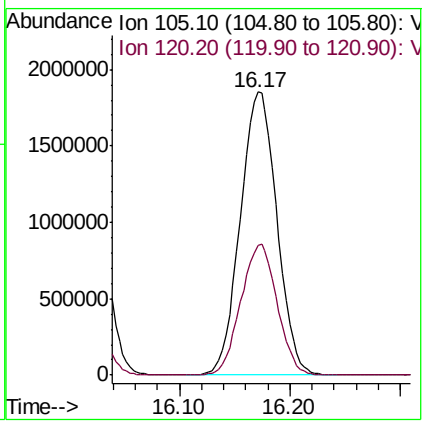


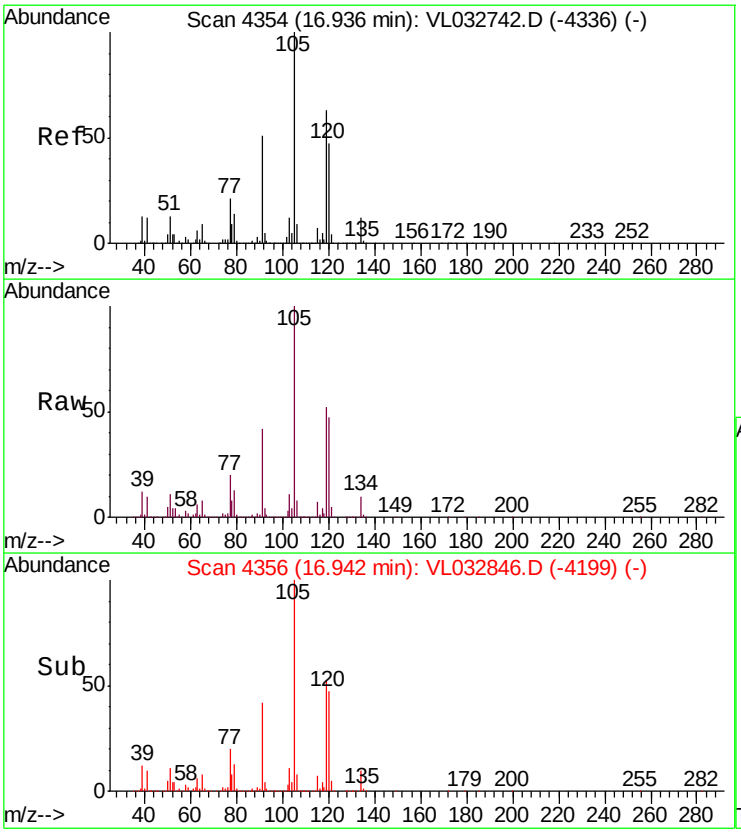
#73
1,3,5-Trimethylbenzene
Concen: 9.657 ppbv
RT: 16.17 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 4245979

Ion	Ratio	Lower	Upper
105	100		
120	46.0	36.6	55.0

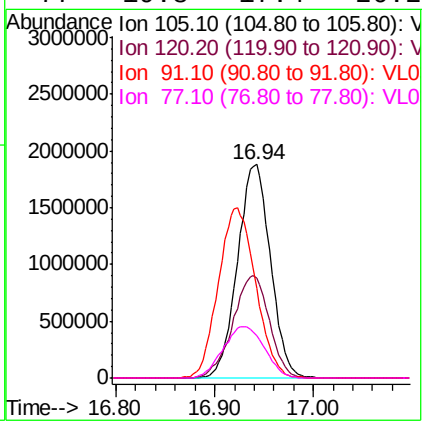


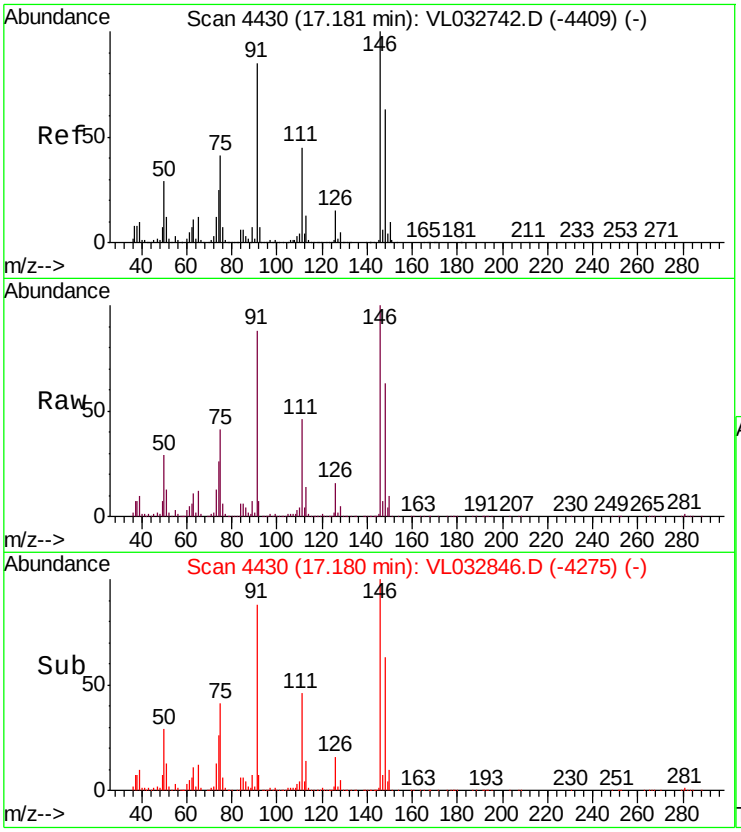


#74
1,2,4-Trimethylbenzene
Concen: 9.240 ppbv
RT: 16.94 min Scan# 4356
Delta R.T. 0.01 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion:105 Resp: 4347527

Ion	Ratio	Lower	Upper
105	100		
120	46.4	37.6	56.4
91	41.9	42.5	63.7#
77	19.8	17.4	26.2



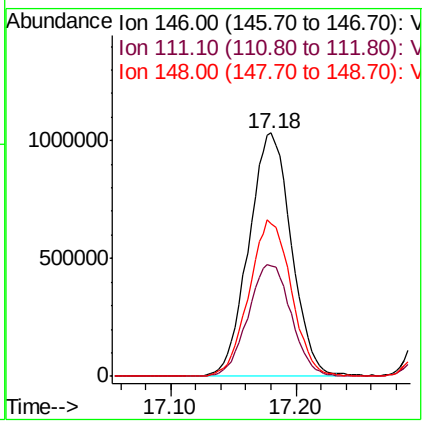


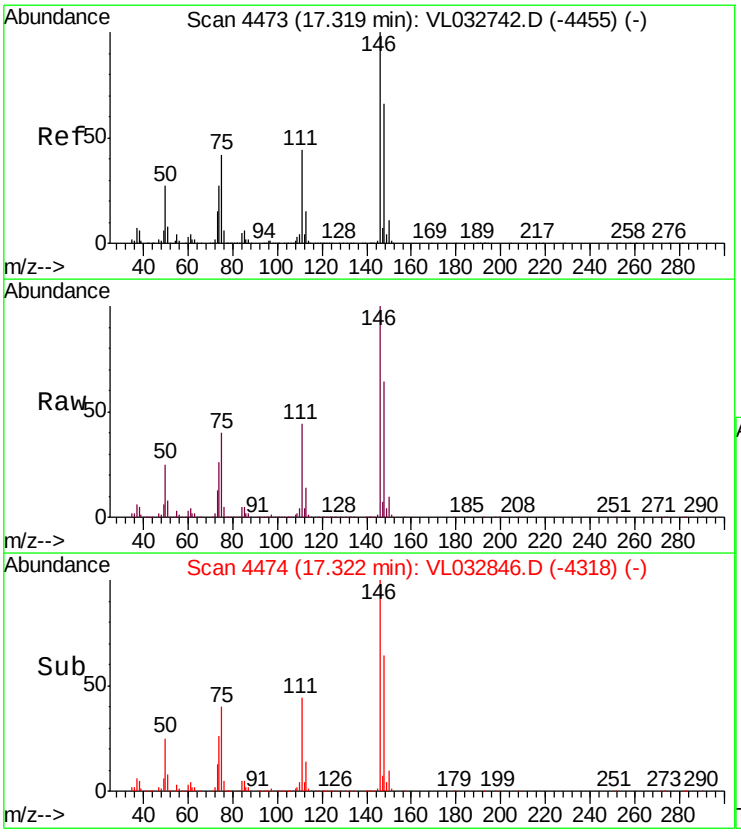
#75
1,3-Dichlorobenzene
Concen: 9.018 ppbv
RT: 17.18 min Scan# 4430
Delta R.T. -0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:146 Resp: 2433591

Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.5	70.6
148	63.8	31.8	95.3

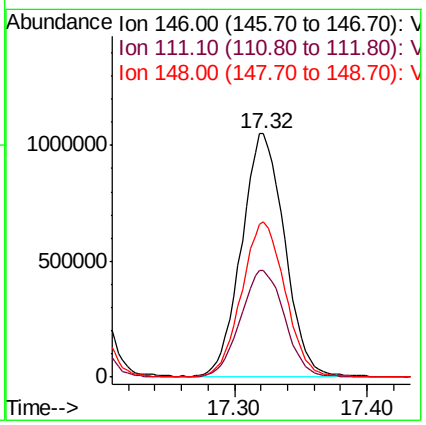


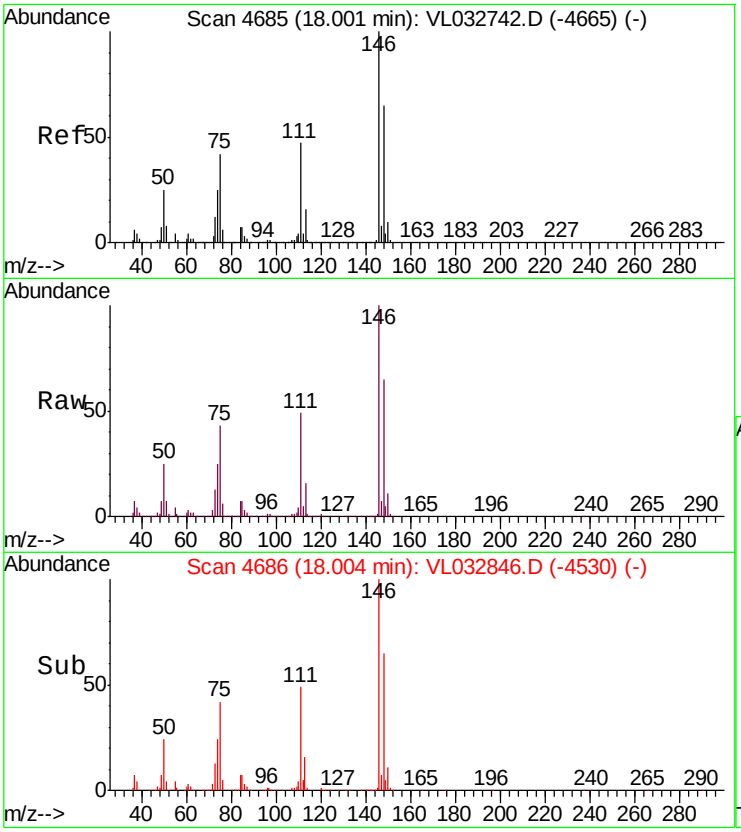


#76
1,4-Dichlorobenzene
Concen: 9.371 ppbv
RT: 17.32 min Scan# 4474
Delta R.T. 0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion:146 Resp: 2362304

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.5	67.5
148	64.9	32.5	97.5



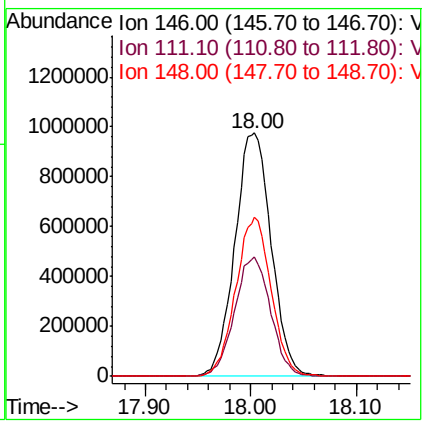


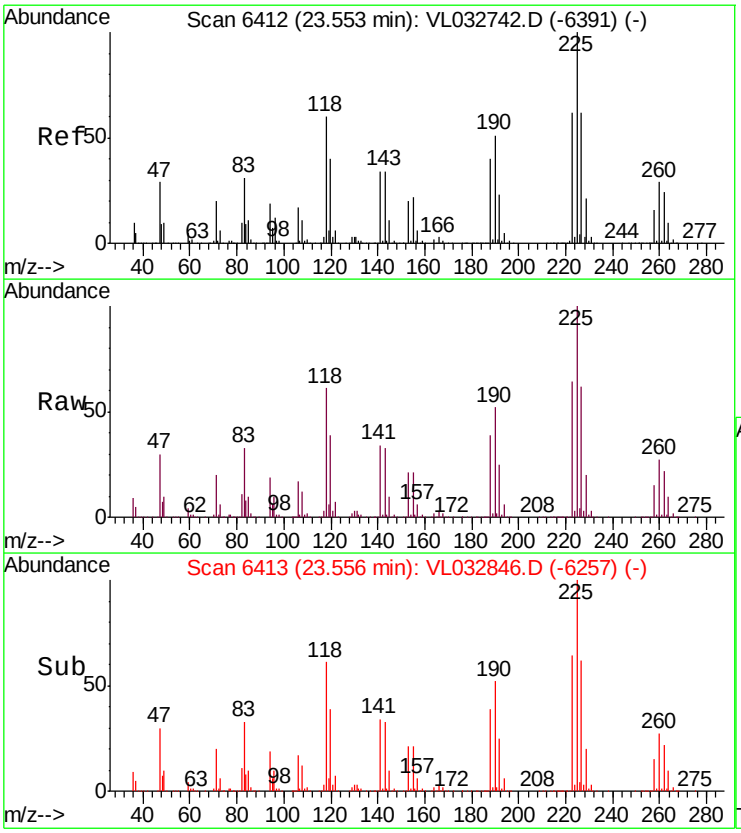
#77
1,2-Dichlorobenzene
Concen: 9.371 ppbv
RT: 18.00 min Scan# 4686
Delta R.T. 0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 2339660

Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.4	73.2
148	63.7	32.2	96.6

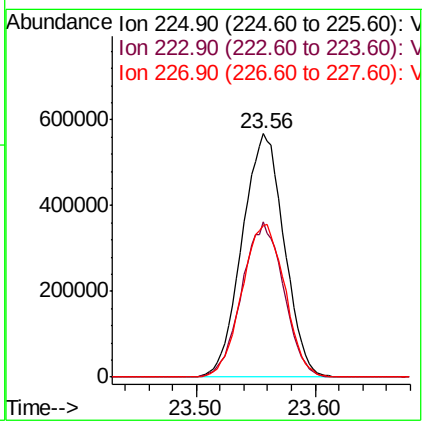


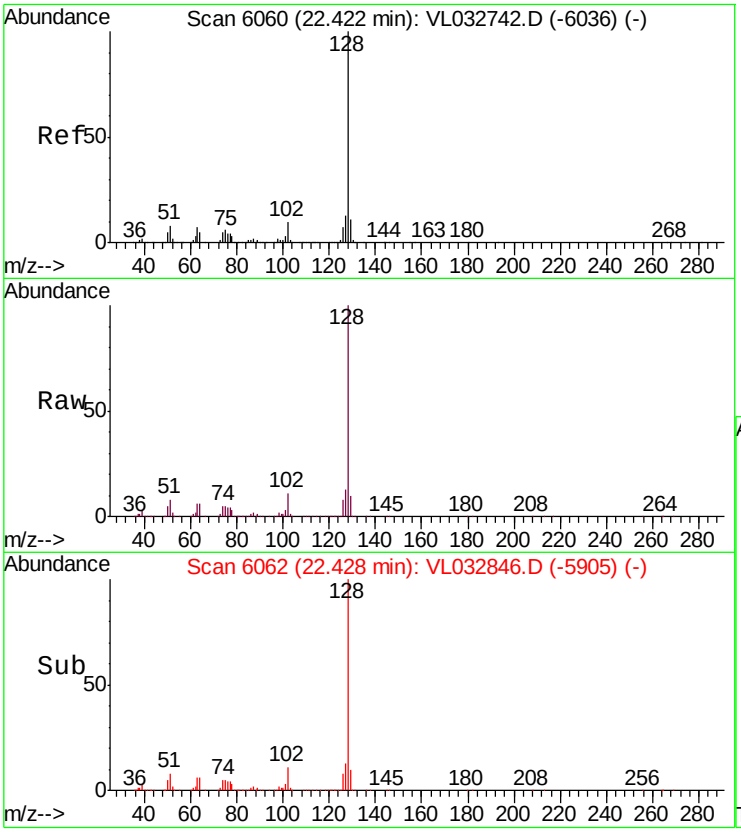


#78
Hexachloro-1,3-Butadiene
Concen: 10.298 ppbv
RT: 23.56 min Scan# 6413
Delta R.T. 0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion:225 Resp: 1387615

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.3	75.5
227	64.1	50.2	75.4



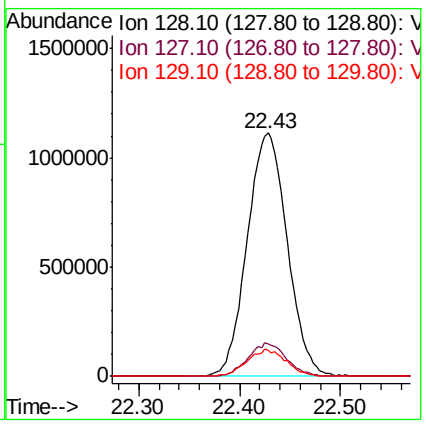


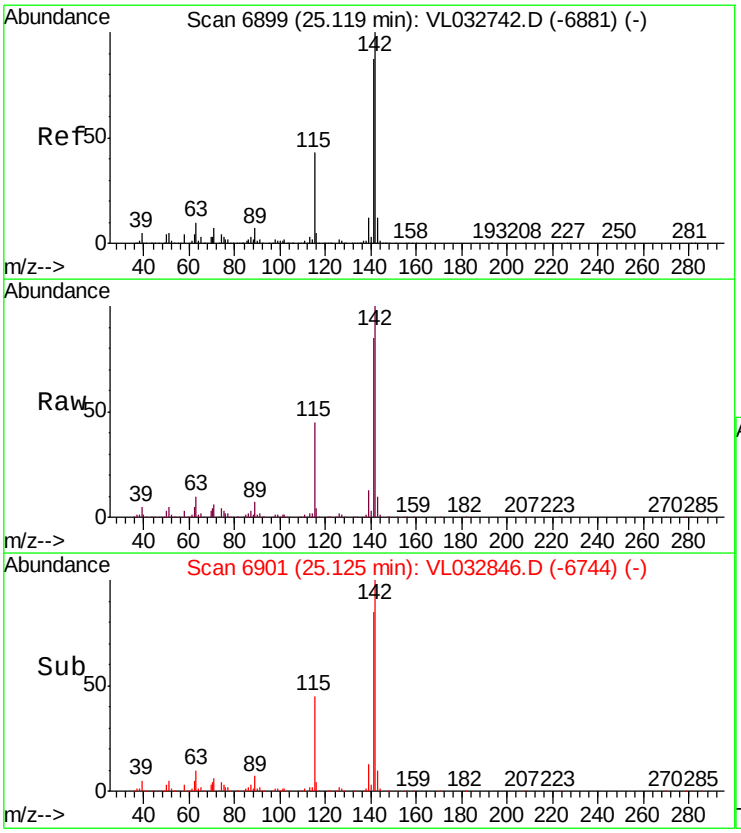
#79
Naphthalene
Concen: 9.921 ppbv
RT: 22.43 min Scan# 6062
Delta R.T. 0.01 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 3066402

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.1	15.1
129	10.4	8.9	13.3

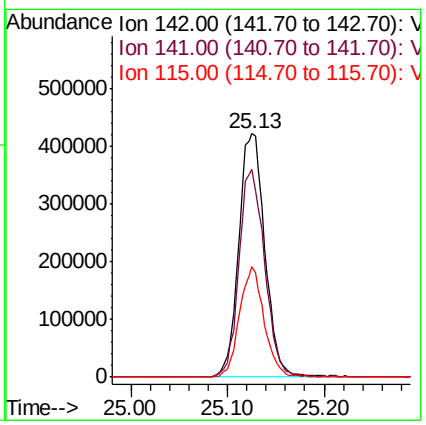


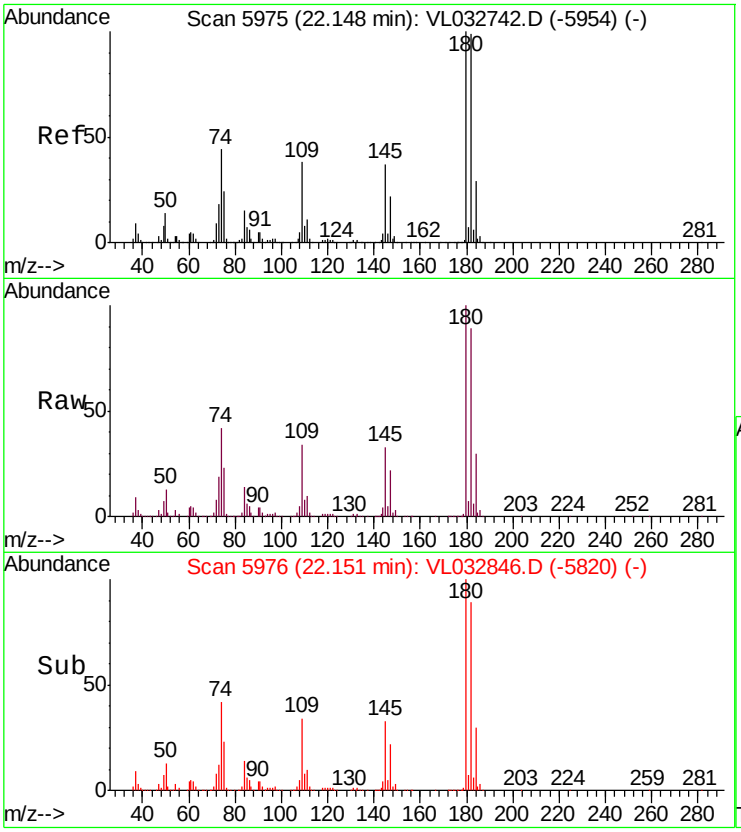


#80
Naphthalene,2-methyl-
Concen: 10.212 ppbv
RT: 25.13 min Scan# 6901
Delta R.T. 0.01 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Tgt Ion:142 Resp: 790464

Ion	Ratio	Lower	Upper
142	100		
141	84.0	68.7	103.1
115	43.0	35.5	53.3





#81
1,2,4-Trichlorobenzene
Concen: 10.149 ppbv
RT: 22.15 min Scan# 5976
Delta R.T. 0.00 min
Lab File: VL032846.D
Acq: 30 Nov 2018 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1575233

Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.3	115.9
184	30.4	24.2	36.4