Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111418\

Quantitation Report (Not Reviewed)

Data File : VL032773.D
Acq On : 15 Nov 2018 00:19
Operator : SY/AP
Sample : VL1114ABS05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Quant Time: Nov 15 05:02:19 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	1584230	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	4086572	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4754285	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2875137	8.09	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 80.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1997570	8.772	ppbv	98
3) Chlorodifluoromethane	3.02	51	1151764	9.170	ppbv	98
4) Chloromethane	3.17	50	652293	9.366	ppbv	100
5) Vinyl Chloride	3.30	62	656301	8.893	ppbv	99
6) Bromomethane	3.52	94	413784	9.166	ppbv	93
7) Chloroethane	3.61	64	248988	9.361	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1573899	8.771	ppbv	99
9) Propene	3.04	41	509204	10.131	ppbv	99
10) Heptane	8.25	43	1963332	10.232	ppbv	98
11) Trichlorofluoromethane	4.01	101	2520168	11.743	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1488139	8.489	ppbv	99
13) Ethanol	3.66	45	110045	6.684	ppbv	99
14) Bromoethene	3.79	108	544625	9.365	ppbv	100
15) Acetone	3.91	43	1122341	7.758	ppbv	99
16) 1,3-Butadiene	3.37	39	551646	9.846	ppbv	95
17) tert-Butyl alcohol	4.36	59	461491	10.170	ppbv	100
18) 1,1-Dichloroethene	4.36	96	821303	9.528	ppbv	99
19) Isopropyl Alcohol	4.03	45	1193249	12.381	ppbv	100
20) Methylene Chloride	4.42	84	688802	9.197	ppbv	99
21) Allyl Chloride	4.48	41	1279250	10.522	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	751863	8.933	ppbv	98
23) Vinyl Acetate	5.16	43	2672007	10.132	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1962105	9.358	ppbv	99
25) Ethyl Acetate	5.78	43	3190050	9.461	ppbv	100
26) Hexane	5.79	57	1463534	9.750	ppbv	99
27) Carbon Disulfide	4.62	76	1945583	10.222	ppbv	100
28) Methyl tert-Butyl Ether	5.12	73	2468295	10.312	ppbv	100
29) Chloroform	5.86	83	2412677	9.018	ppbv	94
30) Cyclohexane	7.25	84	1368270	10.422	ppbv	98
31) cis-1,2-Dichloroethene	5.65	61	1535768	10.176	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	2598653	8.862	ppbv	99
34) 2-Butanone	5.34	43	2071698	9.774	ppbv	100
35) Carbon Tetrachloride	7.14	117	2778192	8.457	ppbv	100
36) Benzene	7.01	78	3254441	10.001	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1977521	9.027	ppbv	99
38) Trichloroethene	7.97	130	1245845	9.460	ppbv	96
39) 1,2-Dichloropropane	7.74	63	1207864	9.742	ppbv	97
40) 1,4-Dioxane	7.96	88	226128	5.106	ppbv #	1
41) Tetrahydrofuran	6.16	42	1281895	10.544	ppbv	100
42) Bromodichloromethane	7.92	83	2760969	9.298	ppbv	99
43) Methyl Methacrylate	8.15	69	1286966	10.593	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111418\

Quantitation Report (Not Reviewed)

Data File : VL032773.D
Acq On : 15 Nov 2018 00:19
Operator : SY/AP
Sample : VL1114ABS05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Quant Time: Nov 15 05:02:19 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	5315069	9.774	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	1861336	11.418	ppbv		97
46) cis-1,3-Dichloropropene	8.84	75	2141342	10.872	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	1385159	9.448	ppbv		98
48) Dibromochloromethane	10.46	129	2311809	9.278	ppbv		99
49) Bromoform	13.21	173	1855552	9.017	ppbv		99
50) 4-Methyl-2-Pentanone	8.88	43	3306499	9.988	ppbv		100
51) 2-Hexanone	10.28	43	2329042	10.920	ppbv	#	99
52) Tetrachloroethene	11.38	164	1112214	9.825	ppbv		98
53) Toluene	9.96	91	3665020	10.796	ppbv		100
54) 1,2-Dibromoethane	10.77	107	2017950	9.737	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.29	131	1608120	7.252	ppbv	#	59
57) Chlorobenzene	12.31	112	2713005	7.455	ppbv		100
58) Ethyl Benzene	12.87	91	4832792	8.446	ppbv		99
59) m/p-Xylene	13.13	91	3848503	7.556	ppbv	#	31
60) o-Xylene	13.86	91	3848292	7.514	ppbv		100
61) Styrene	13.69	104	2902183	8.705	ppbv		99
62) Isopropylbenzene	14.83	105	5414451	7.821	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2560524	6.413	ppbv		99
64) n-propylbenzene	15.73	120	1366629	7.506	ppbv		100
65) tert-Butylbenzene	16.92	119	4650927	7.495	ppbv		99
66) Benzyl Chloride	17.16	91	2663290	7.763	ppbv		100
67) sec-Butylbenzene	17.47	105	6575972	7.353	ppbv		100
69) p-Isopropyltoluene	17.82	119	5460866	7.680	ppbv		99
70) n-Butylbenzene	18.72	91	5611709	7.772	ppbv		100
71) 2-Chlorotoluene	15.62	91	4047554	7.840	ppbv		100
72) 4-Ethyltoluene	16.01	105	4348220	7.746	ppbv		99
73) 1,3,5-Trimethylbenzene	16.17	105	4146164	7.554	ppbv		98
74) 1,2,4-Trimethylbenzene	16.93	105	4205399	7.160	ppbv		97
75) 1,3-Dichlorobenzene	17.17	146	2379654	7.063	ppbv		99
76) 1,4-Dichlorobenzene	17.32	146	2358653	7.495	ppbv		99
77) 1,2-Dichlorobenzene	17.99	146	2325741	7.462	ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	1298418	7.719	ppbv		99
79) Naphthalene	22.42	128	4166509	10.799	ppbv		99
80) Naphthalene,2-methyl-	25.12	142	1037314	10.734	ppbv		98
81) 1,2,4-Trichlorobenzene	22.15	180	1956584	10.098	ppbv		100

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

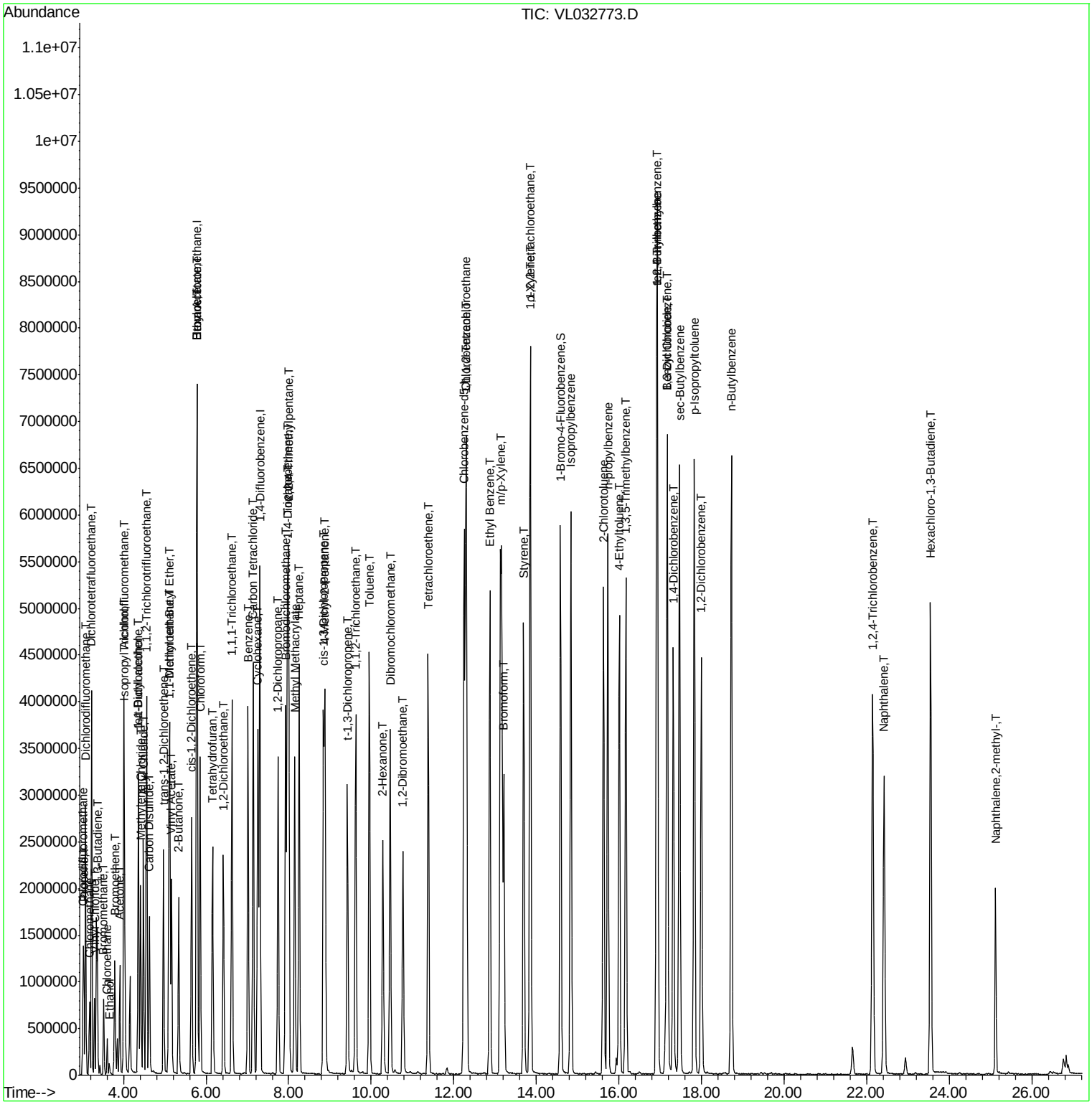
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111418\

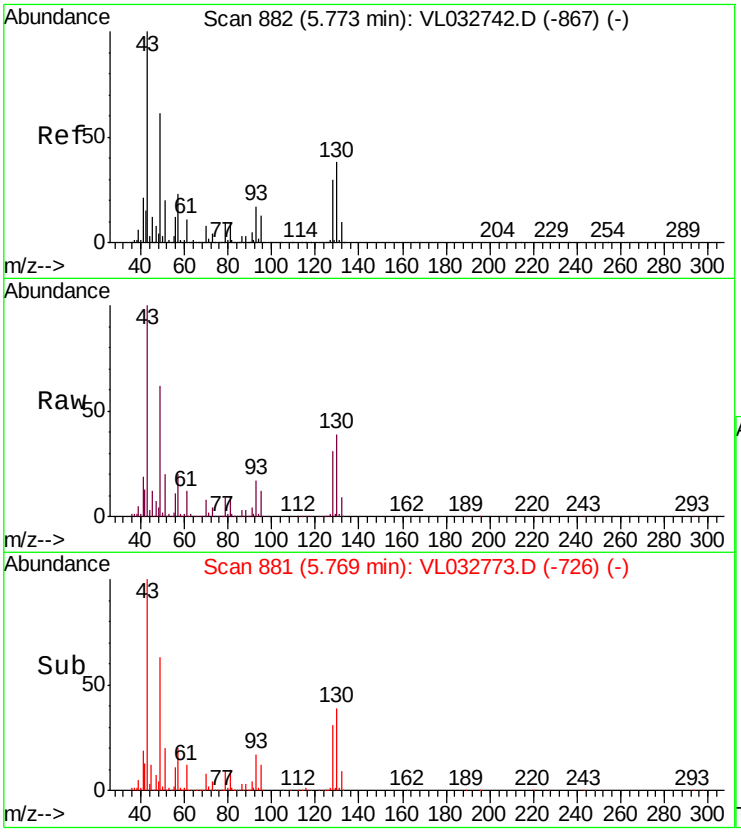
Quantitation Report (Not Reviewed)

Data File : VL032773.D
Acq On : 15 Nov 2018 00:19
Operator : SY/AP
Sample : VL1114ABS05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Quant Time: Nov 15 05:02:19 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



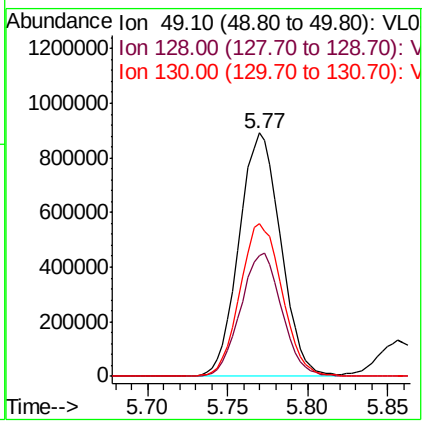


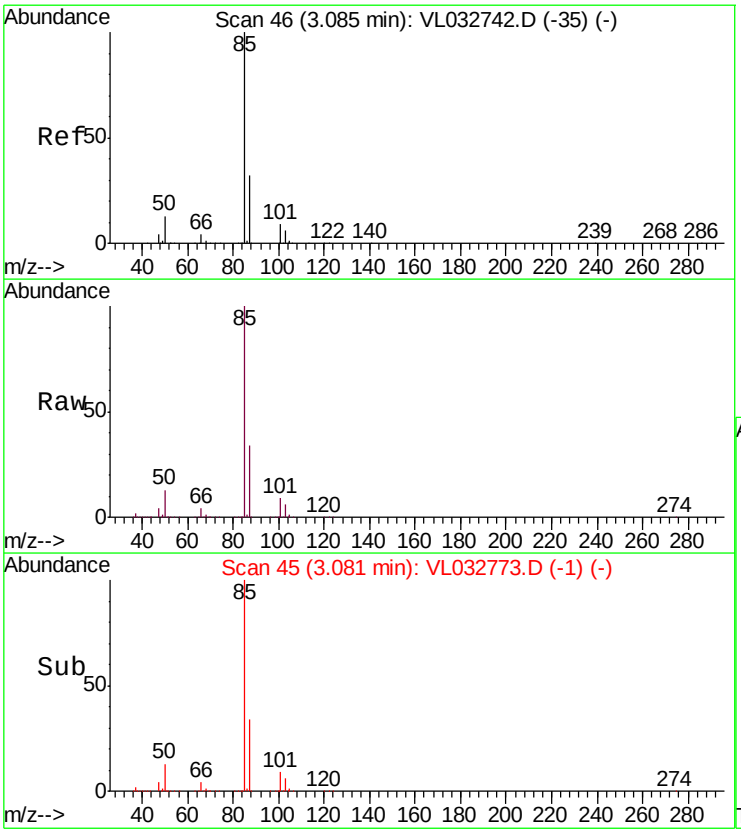
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion: 49 Resp: 1584230

Ion	Ratio	Lower	Upper
49	100		
128	50.2	24.9	74.6
130	63.9	31.4	94.2

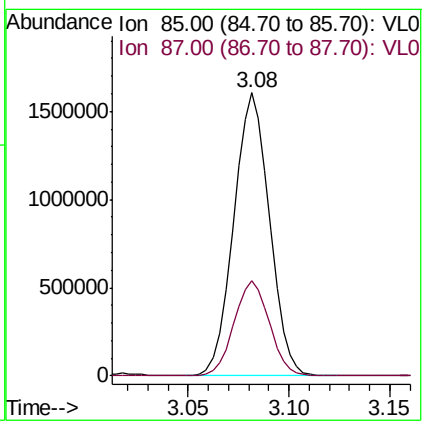


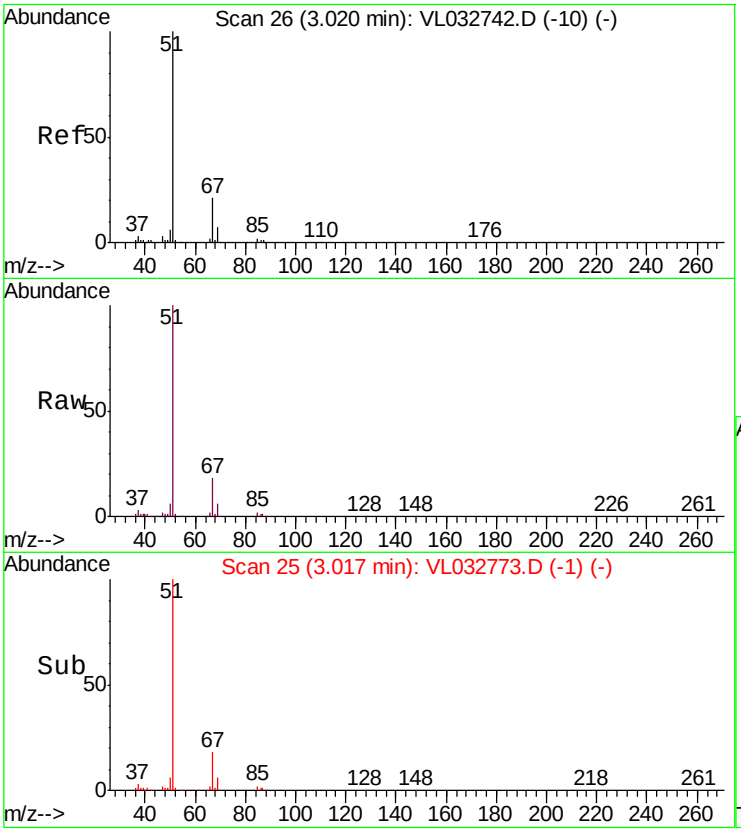


#2
Dichlorodifluoromethane
Concen: 8.772 ppbv
RT: 3.08 min Scan# 45
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 85 Resp: 1997570

Ion	Ratio	Lower	Upper
85	100		
87	33.6	26.0	39.0



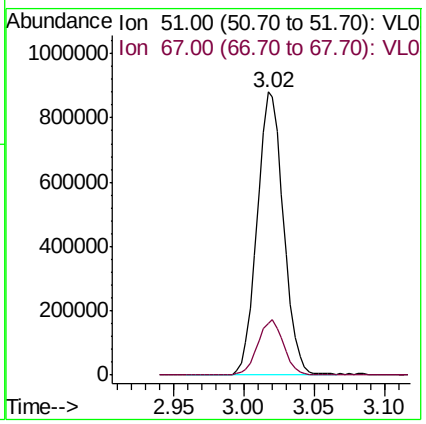


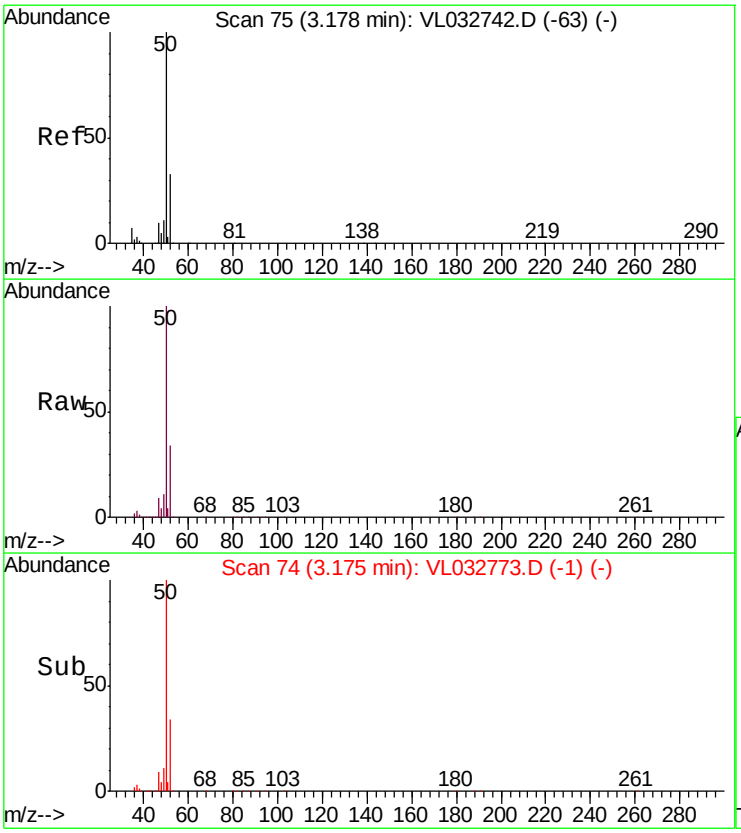
#3
Chlorodifluoromethane
Concen: 9.170 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion: 51 Resp: 1151764

Ion	Ratio	Lower	Upper
51	100		
67	19.2	16.1	24.1

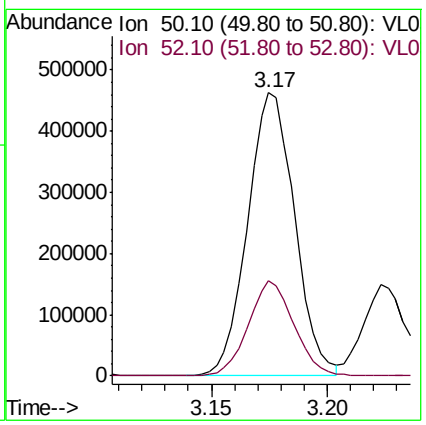


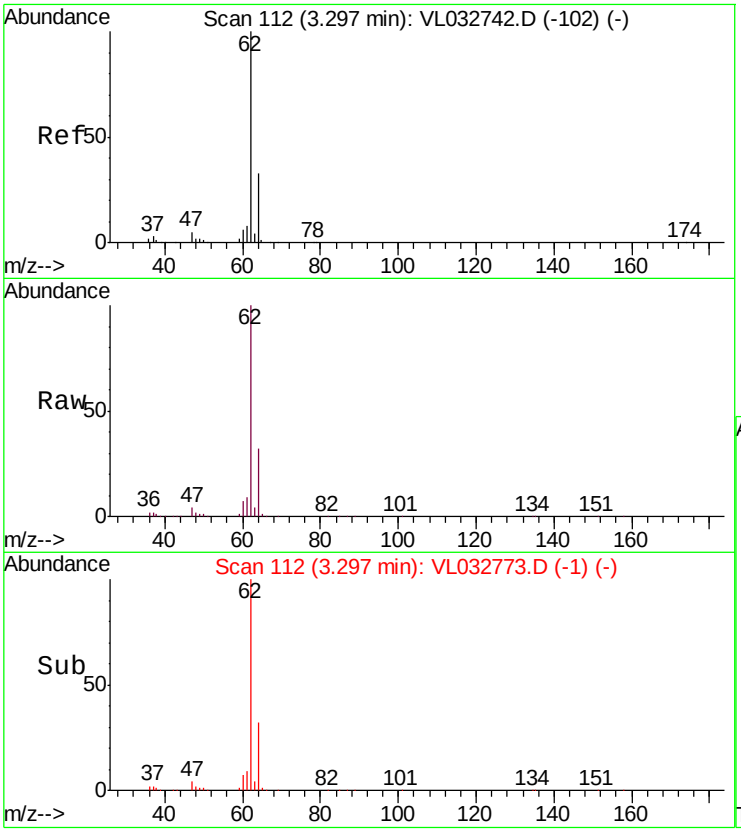


#4
Chloromethane
Concen: 9.366 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 50 Resp: 652293

Ion	Ratio	Lower	Upper
50	100		
52	33.6	26.6	40.0



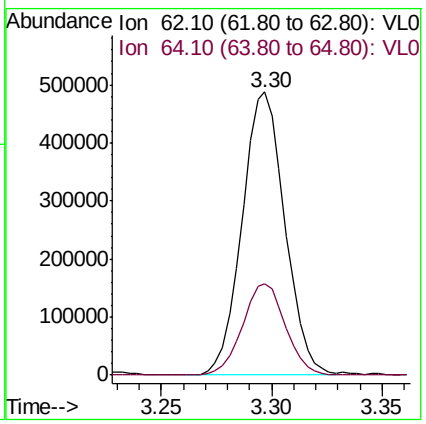


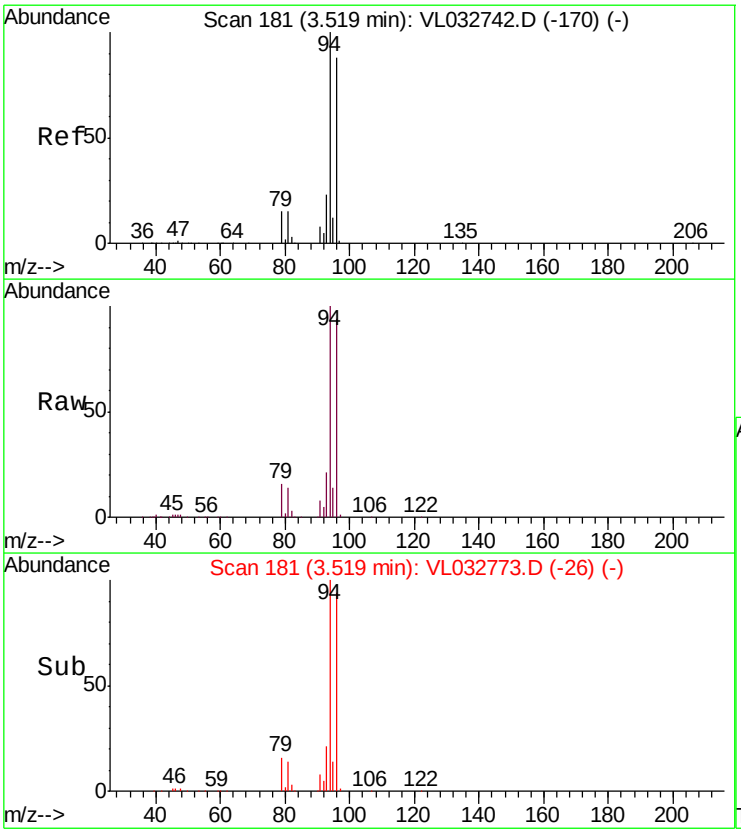
#5
Vinyl Chloride
Concen: 8.893 ppbv
RT: 3.30 min Scan# 112
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion: 62 Resp: 656301

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.2	39.4

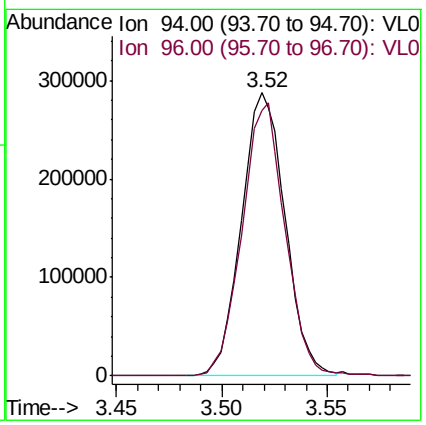


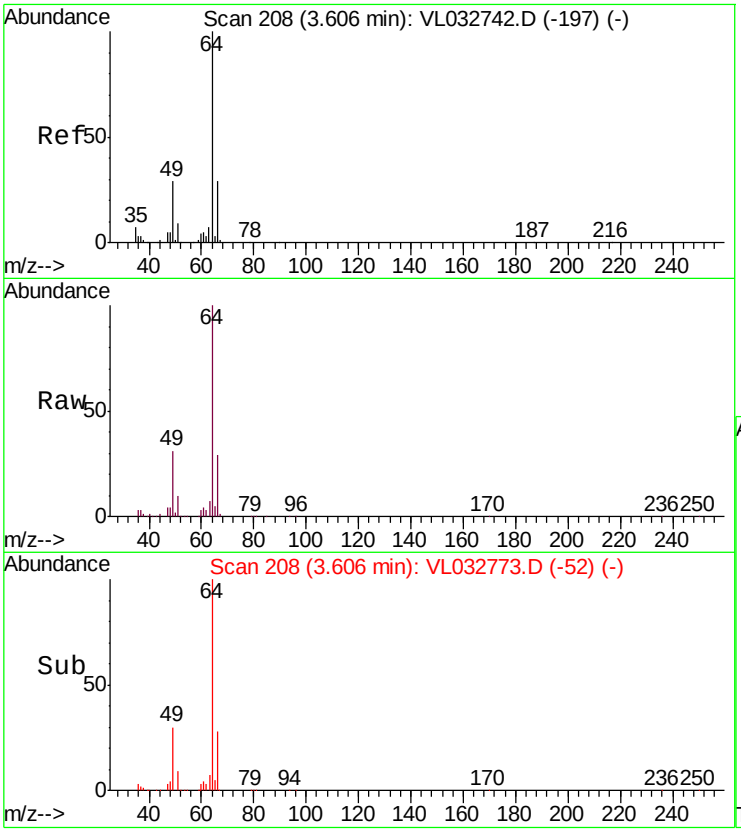


#6
Bromomethane
Concen: 9.166 ppbv
RT: 3.52 min Scan# 181
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 94 Resp: 413784

Ion	Ratio	Lower	Upper
94	100		
96	93.7	70.2	105.2



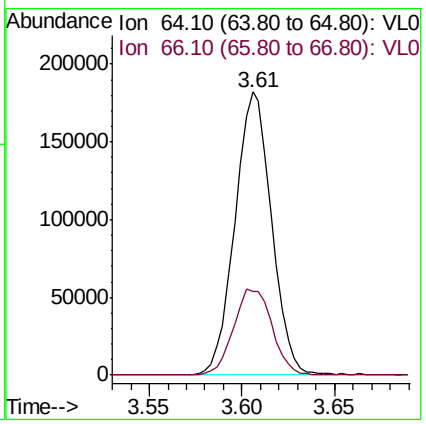


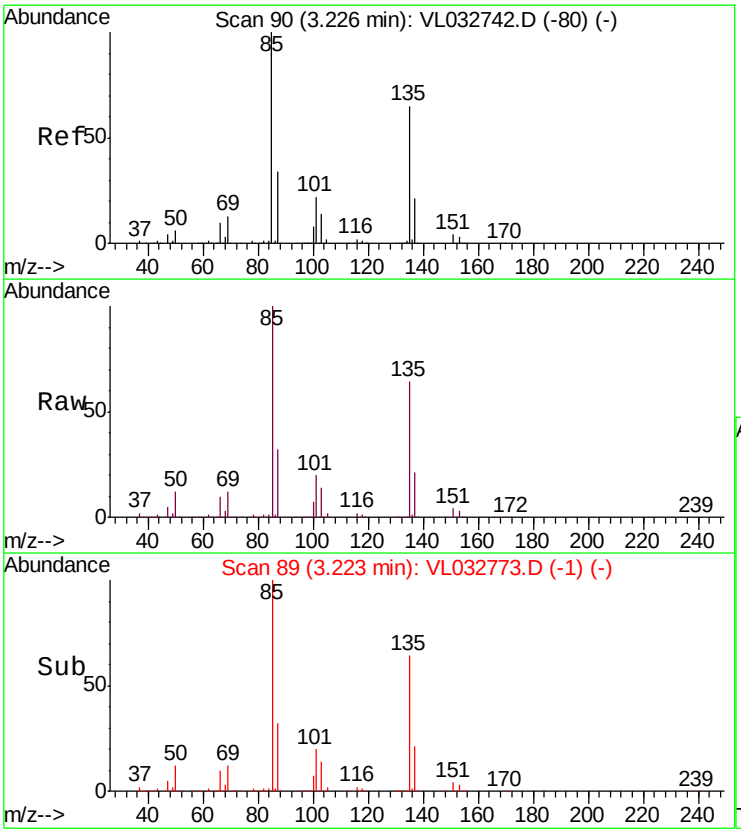
#7
Chloroethane
Concen: 9.361 ppbv
RT: 3.61 min Scan# 208
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion: 64 Resp: 248988

Ion	Ratio	Lower	Upper
64	100		
66	29.4	23.2	34.8

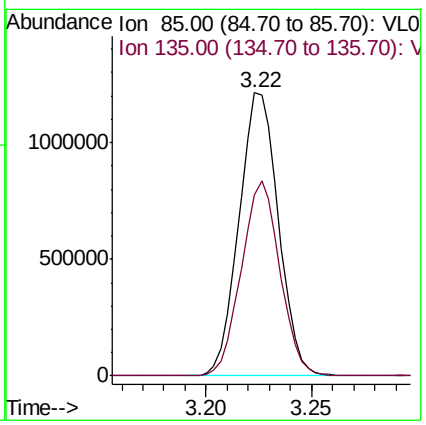


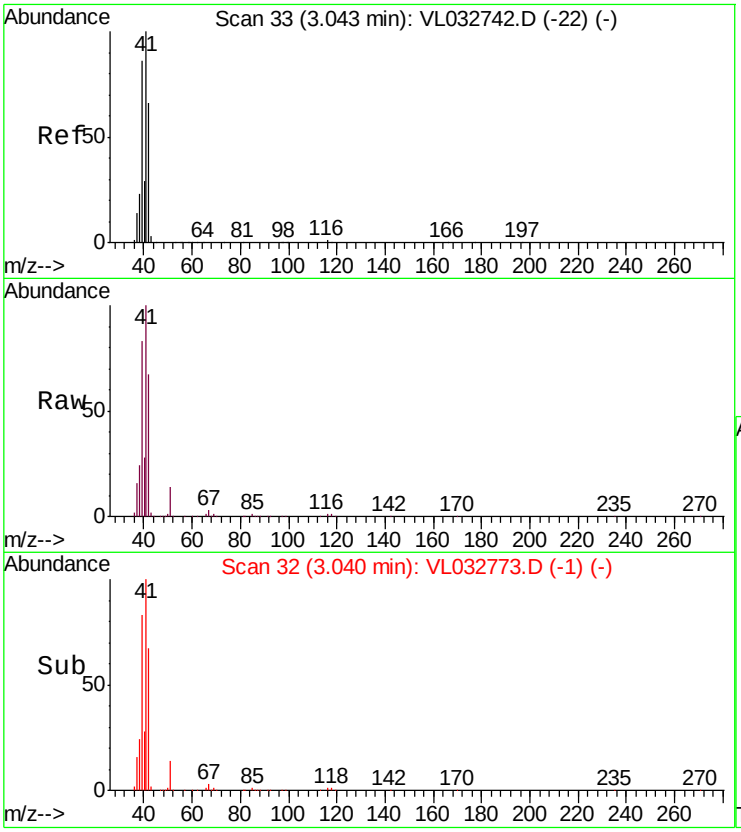


#8
Dichlorotetrafluoroethane
Concen: 8.771 ppbv
RT: 3.22 min Scan# 89
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 85 Resp: 1573899

Ion	Ratio	Lower	Upper
85	100		
135	67.7	53.8	80.8



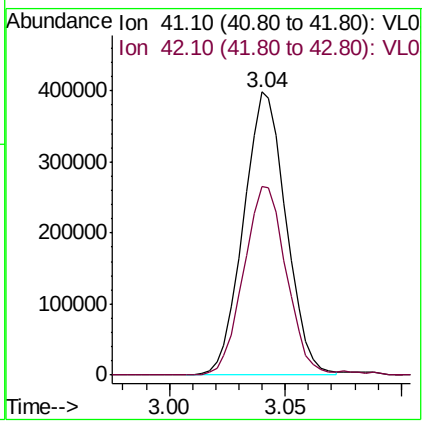


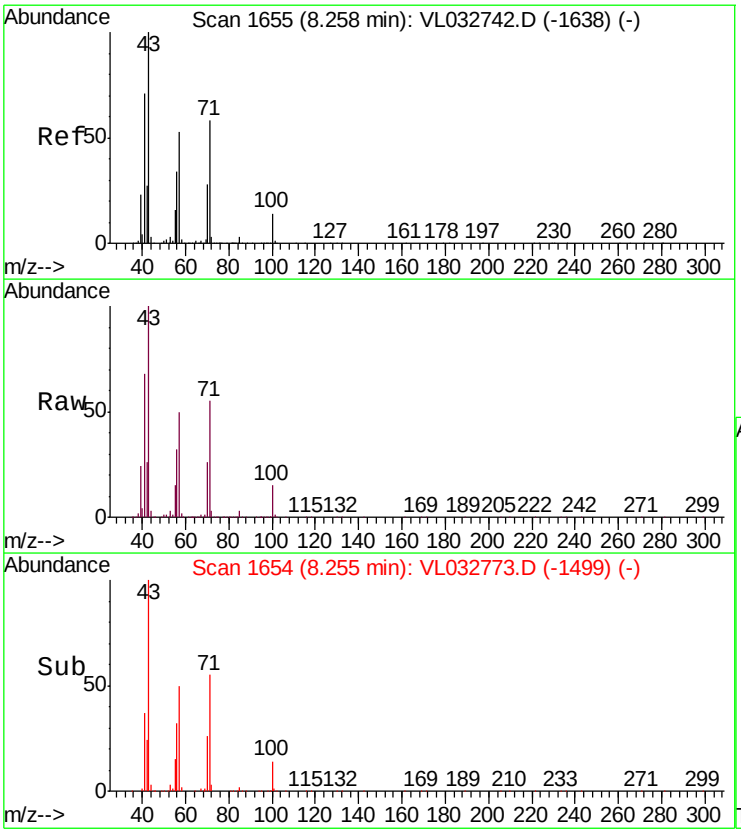
#9
Propene
Concen: 10.131 ppbv
RT: 3.04 min Scan# 32
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion: 41 Resp: 509204

Ion	Ratio	Lower	Upper
41	100		
42	67.8	55.0	82.6

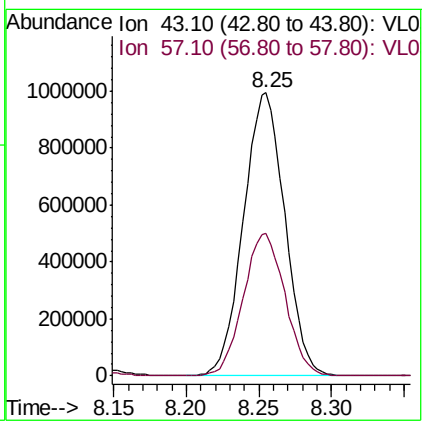


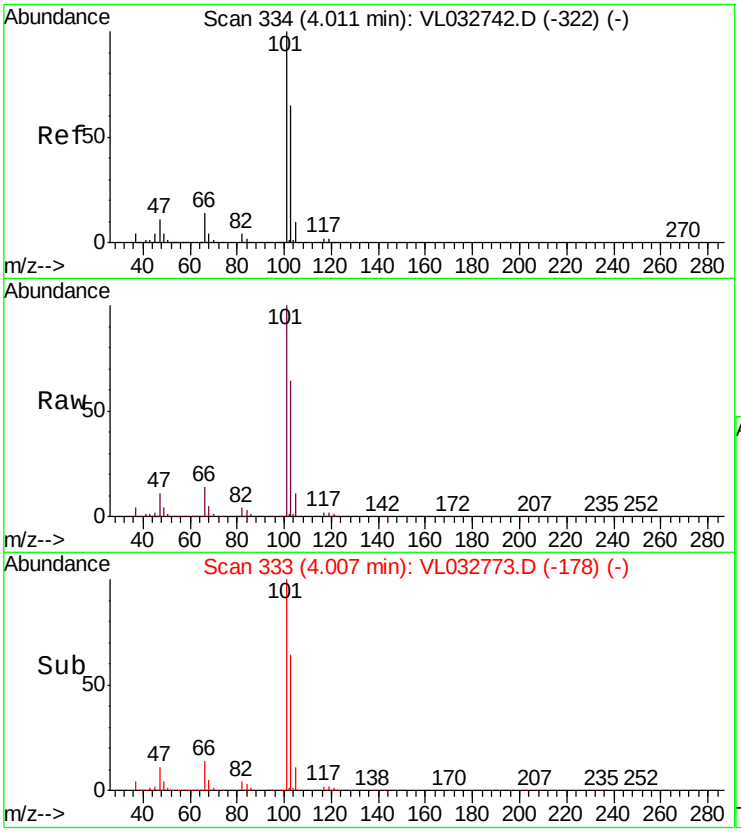


#10
Heptane
Concen: 10.232 ppbv
RT: 8.25 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 43 Resp: 1963332

Ion	Ratio	Lower	Upper
43	100		
57	50.9	41.8	62.8



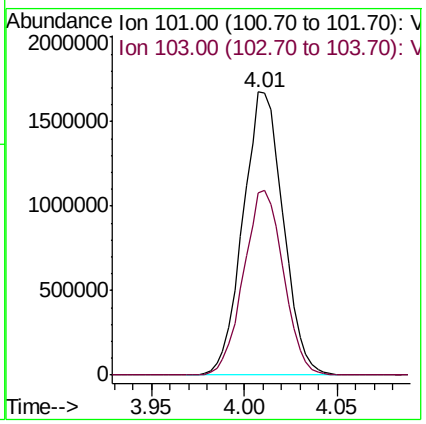


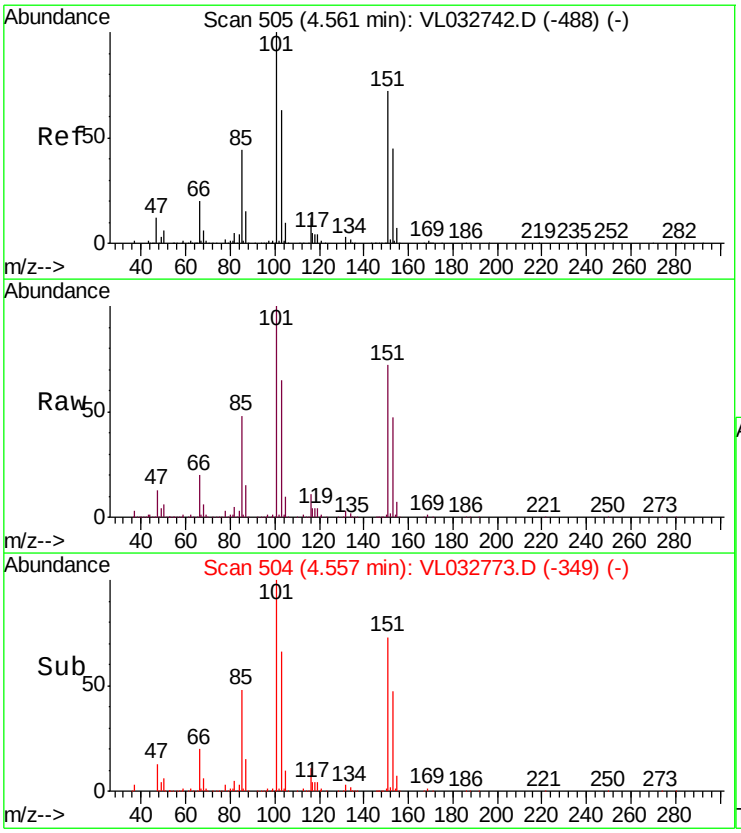
#11
Trichlorofluoromethane
Concen: 11.743 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion:101 Resp: 2520168

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.6	77.4

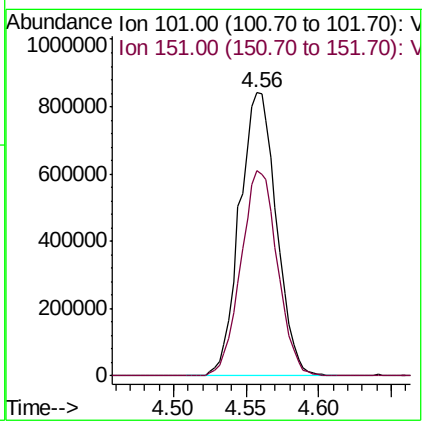


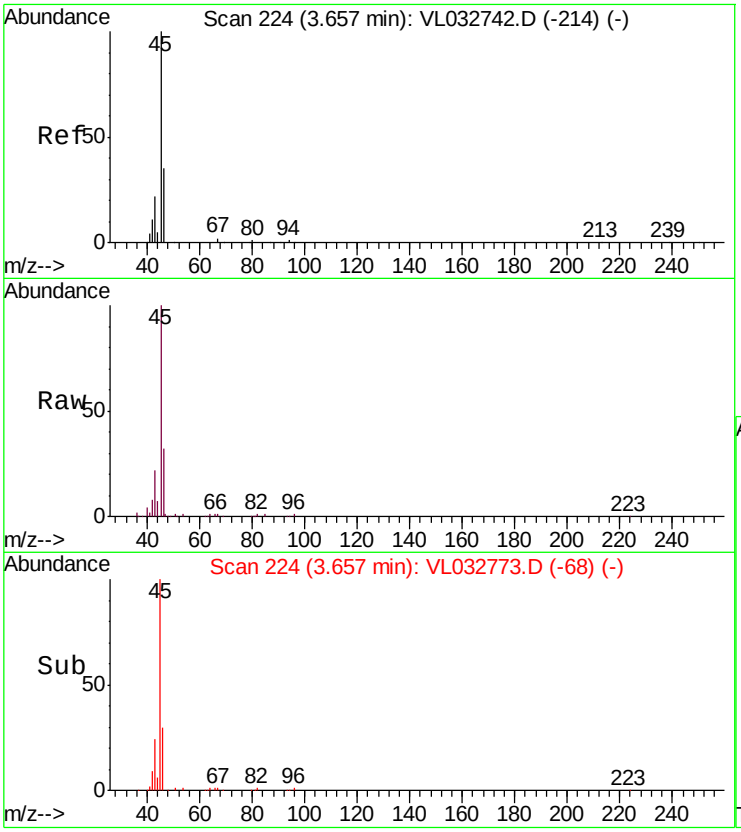


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.489 ppbv
RT: 4.56 min Scan# 504
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion:101 Resp: 1488139

Ion	Ratio	Lower	Upper
101	100		
151	72.1	56.7	85.1



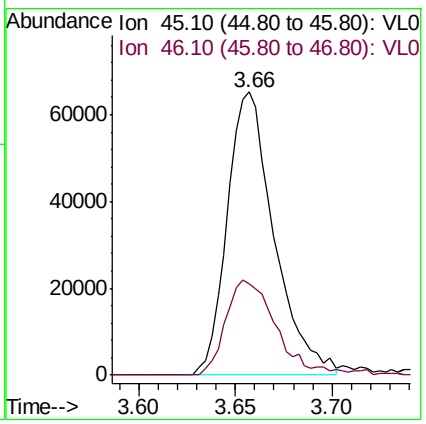


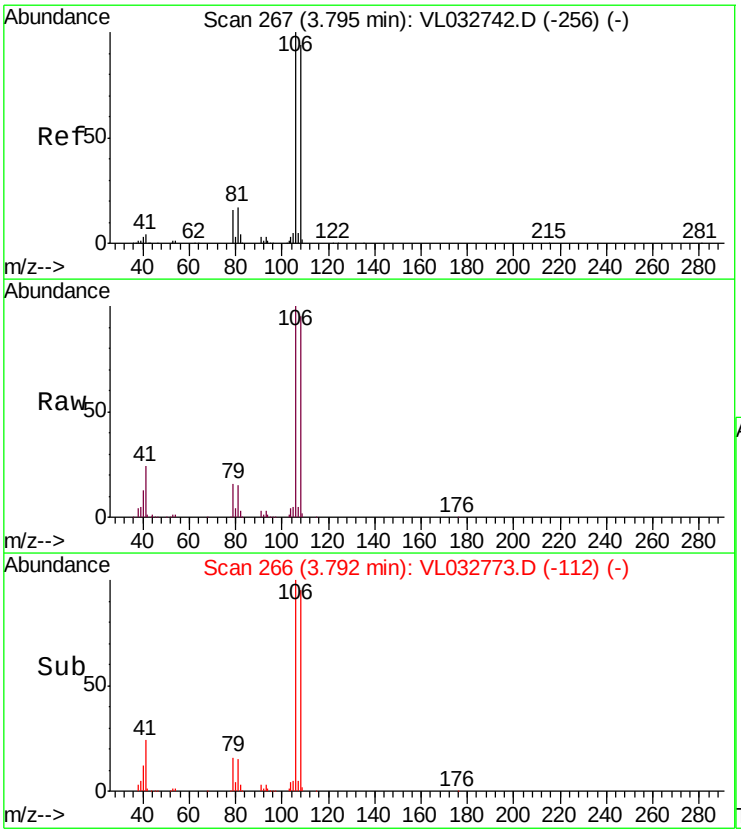
#13
Ethanol
Concen: 6.684 ppbv
RT: 3.66 min Scan# 224
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion: 45 Resp: 110045

Ion	Ratio	Lower	Upper
45	100		
46	36.6	14.5	57.9

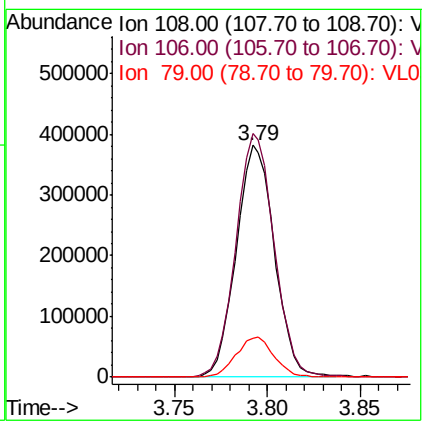


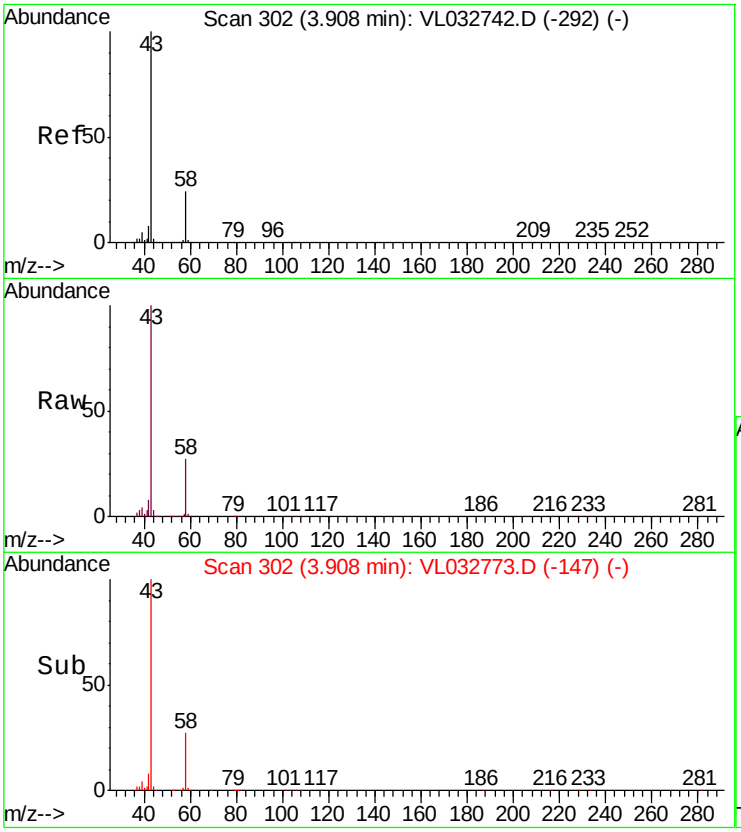


#14
Bromoethene
Concen: 9.365 ppbv
RT: 3.79 min Scan# 266
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion:108 Resp: 544625

Ion	Ratio	Lower	Upper
108	100		
106	106.2	84.9	127.3
79	17.5	14.2	21.4



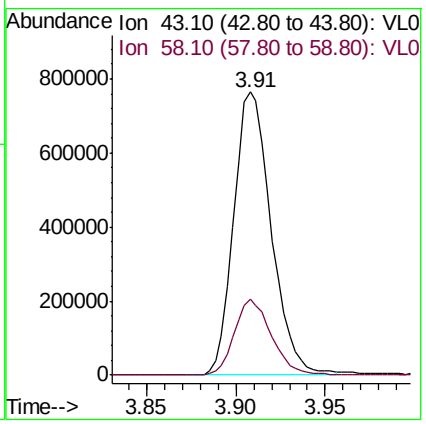


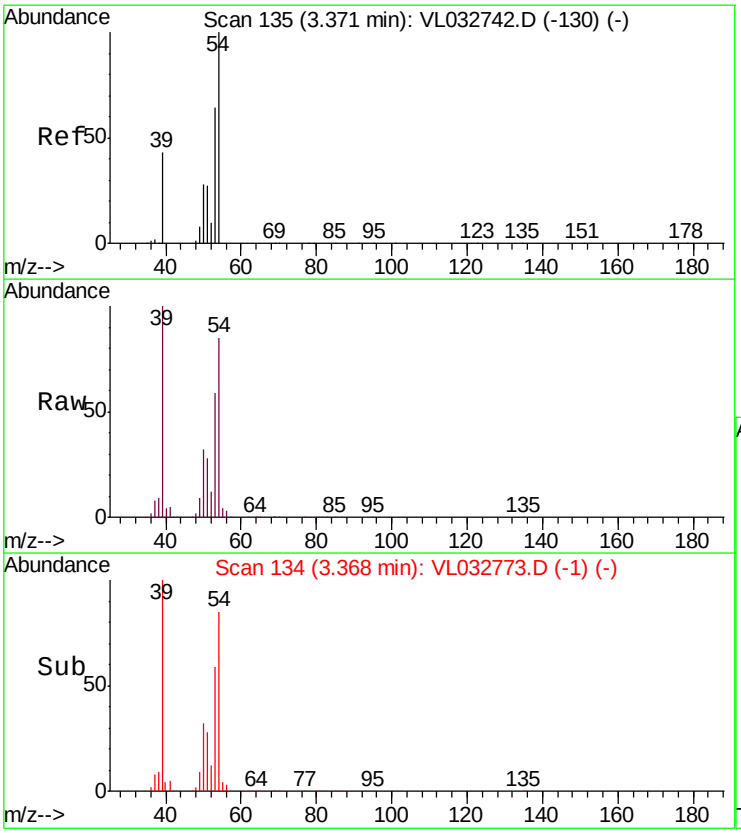
#15
Acetone
Concen: 7.758 ppbv
RT: 3.91 min Scan# 302
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion: 43 Resp: 1122341

Ion	Ratio	Lower	Upper
43	100		
58	26.9	21.1	31.7

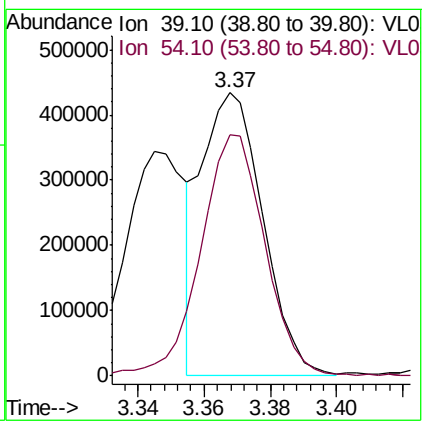


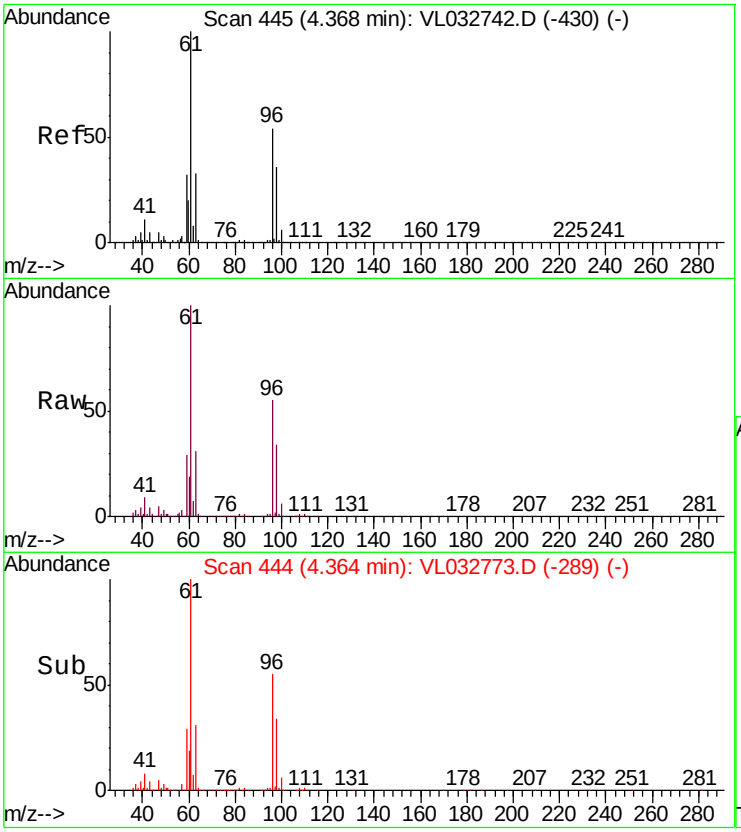


#16
1,3-Butadiene
Concen: 9.846 ppbv
RT: 3.37 min Scan# 134
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 39 Resp: 551646

Ion	Ratio	Lower	Upper
39	100		
54	91.0	68.9	103.3



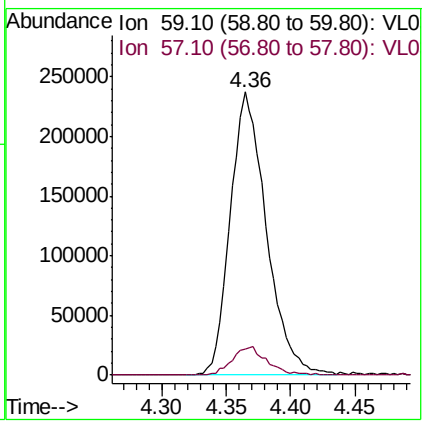


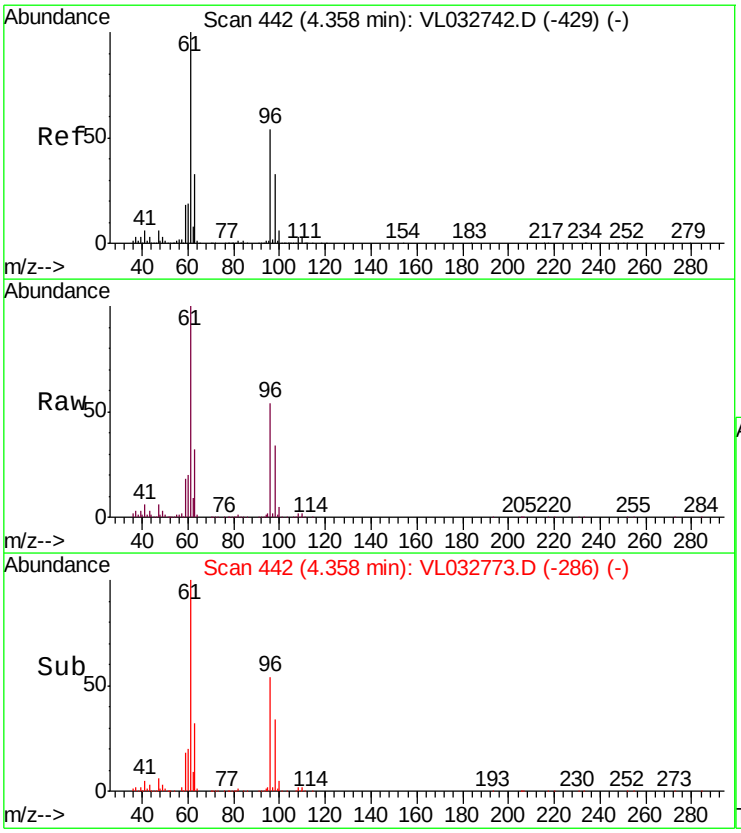
#17
tert-Butyl alcohol
Concen: 10.170 ppbv
RT: 4.36 min Scan# 444
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion: 59 Resp: 461491

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8

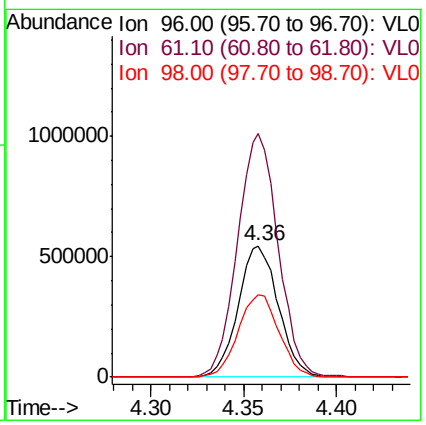


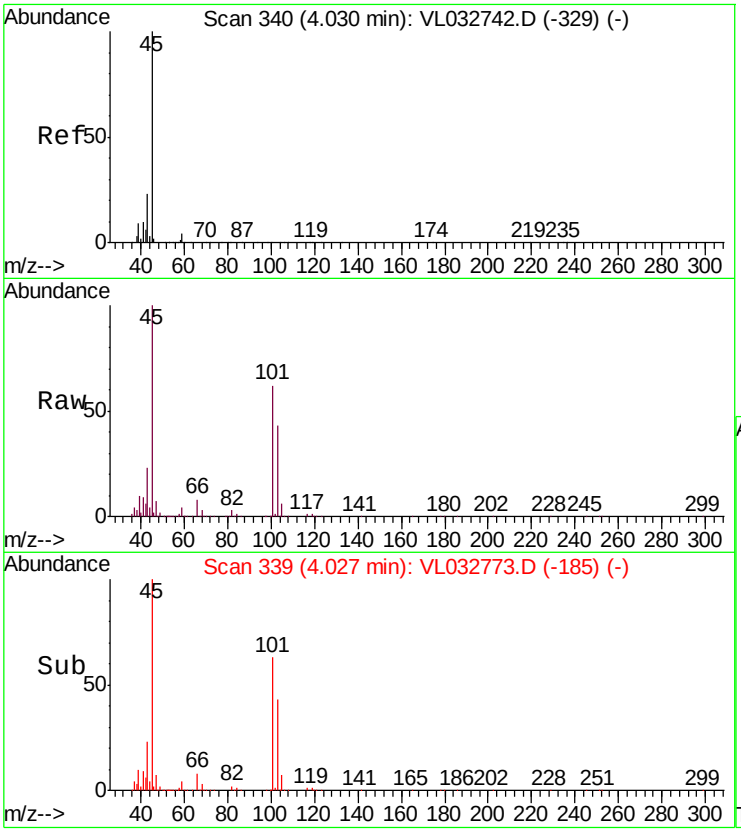


#18
1,1-Dichloroethene
Concen: 9.528 ppbv
RT: 4.36 min Scan# 442
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 96 Resp: 821303

Ion	Ratio	Lower	Upper
96	100		
61	184.7	148.5	222.7
98	62.9	48.6	72.8



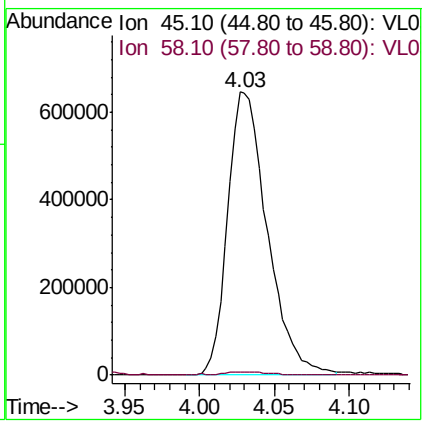


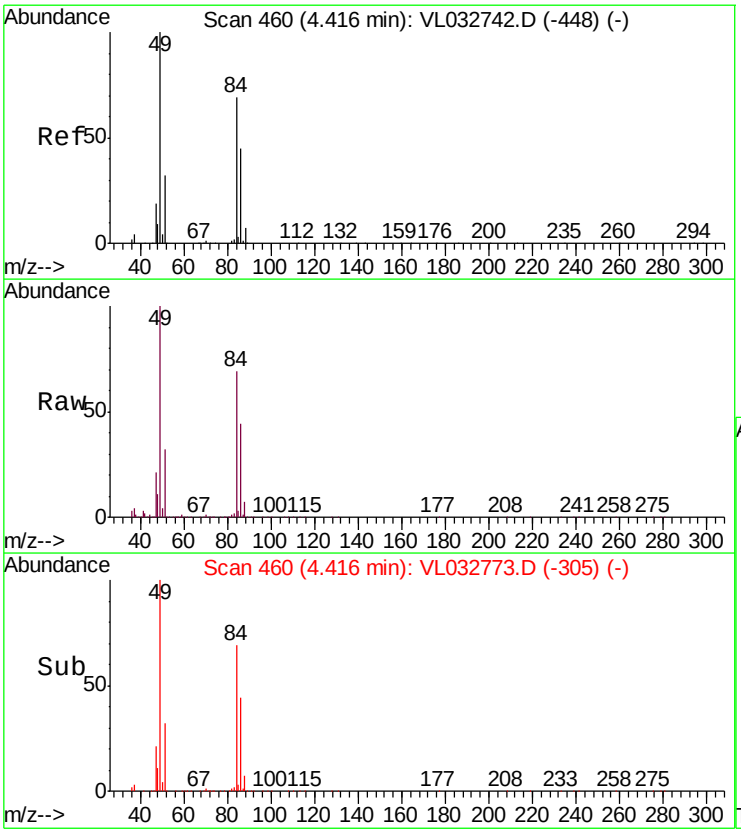
#19
Isopropyl Alcohol
Concen: 12.381 ppbv
RT: 4.03 min Scan# 339
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion: 45 Resp: 1193249

Ion	Ratio	Lower	Upper
45	100		
58	1.6	1.4	2.0

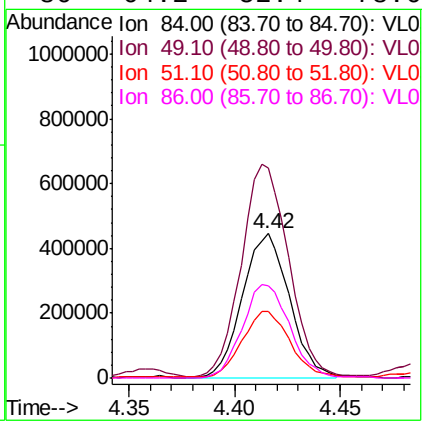


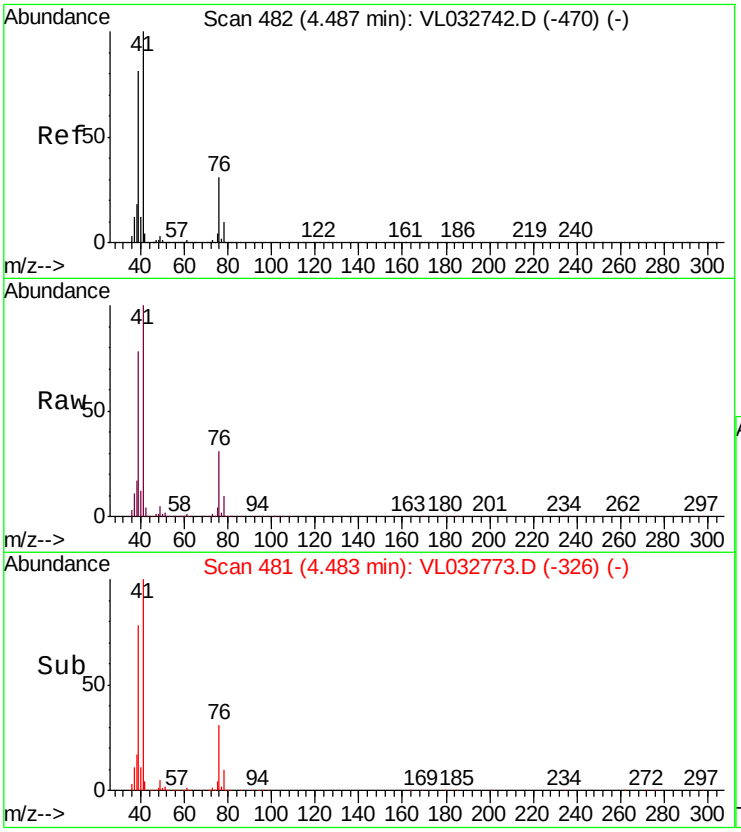


#20
Methylene Chloride
Concen: 9.197 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 84 Resp: 688802

Ion	Ratio	Lower	Upper
84	100		
49	144.4	115.8	173.6
51	45.5	36.9	55.3
86	64.2	52.4	78.6



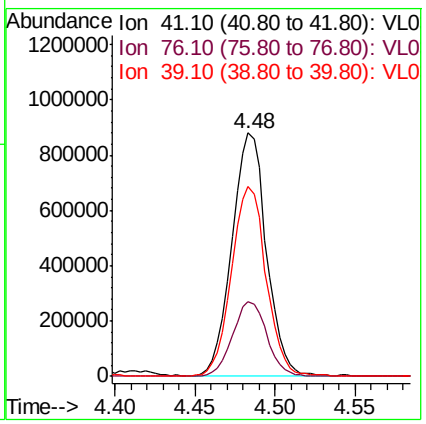


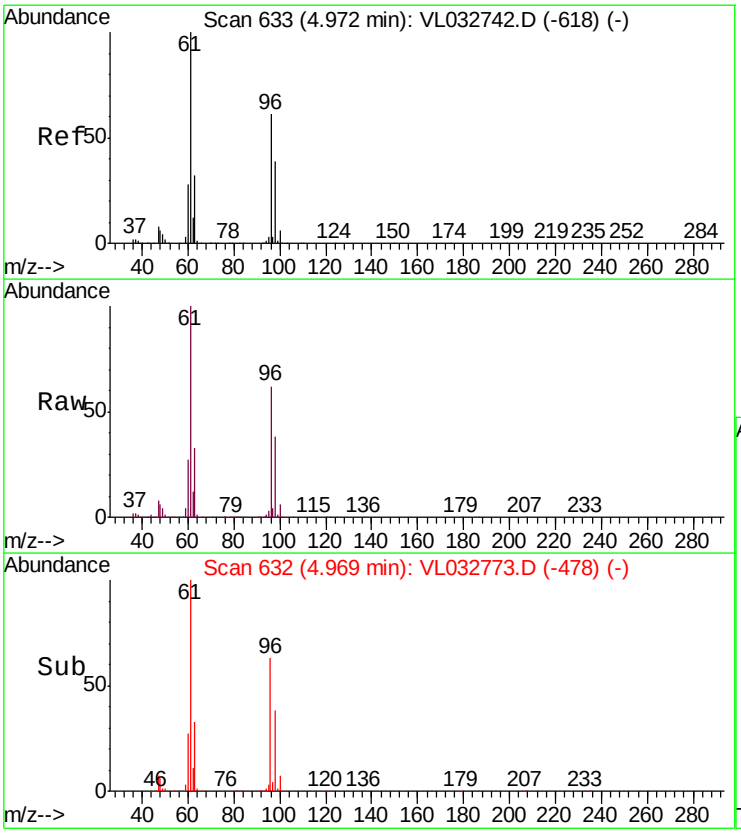
#21
Allyl Chloride
Concen: 10.522 ppbv
RT: 4.48 min Scan# 481
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion: 41 Resp: 1279250

Ion	Ratio	Lower	Upper
41	100		
76	30.8	24.4	36.6
39	78.3	63.5	95.3

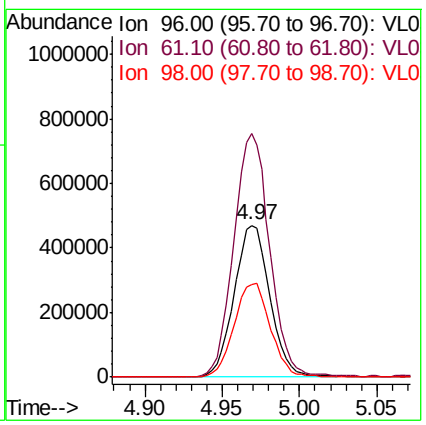


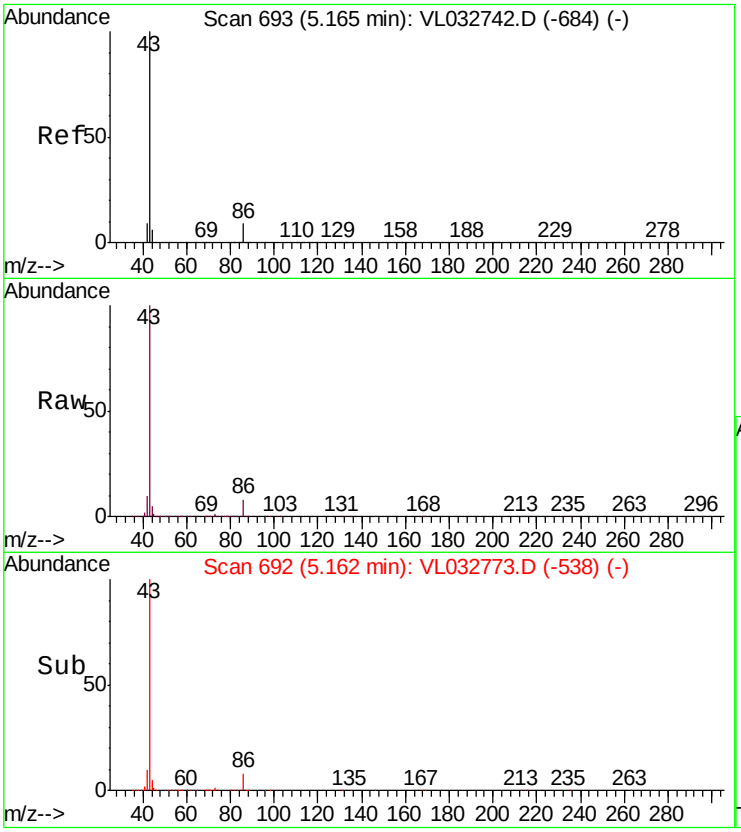


#22
trans-1,2-Dichloroethene
Concen: 8.933 ppbv
RT: 4.97 min Scan# 632
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 96 Resp: 751863

Ion	Ratio	Lower	Upper
96	100		
61	160.3	130.2	195.2
98	61.3	50.2	75.2



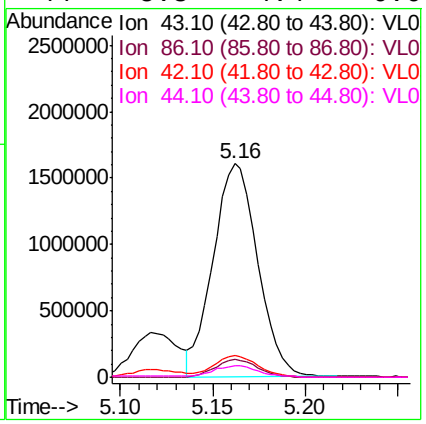


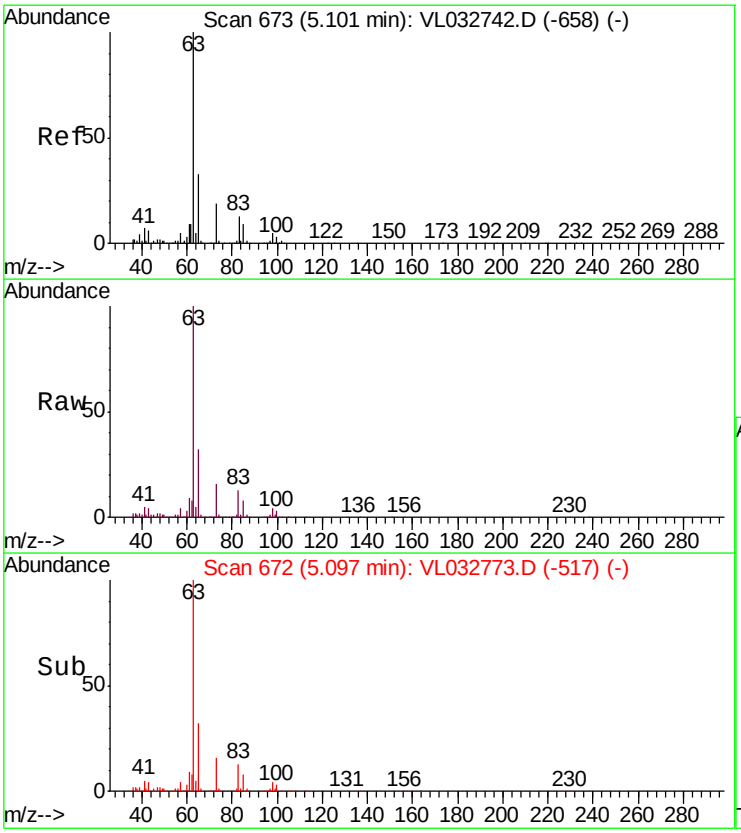
#23
Vinyl Acetate
Concen: 10.132 ppbv
RT: 5.16 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion: 43 Resp: 2672007

Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.2	9.4
42	10.0	7.8	11.6
44	5.3	4.4	6.6

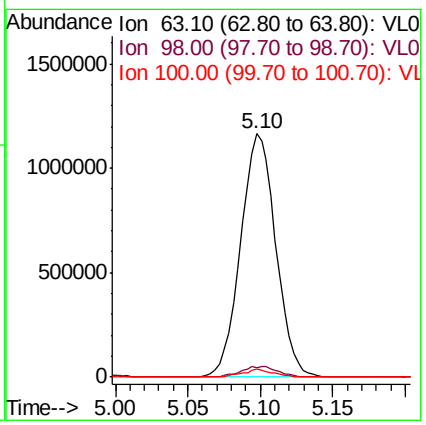


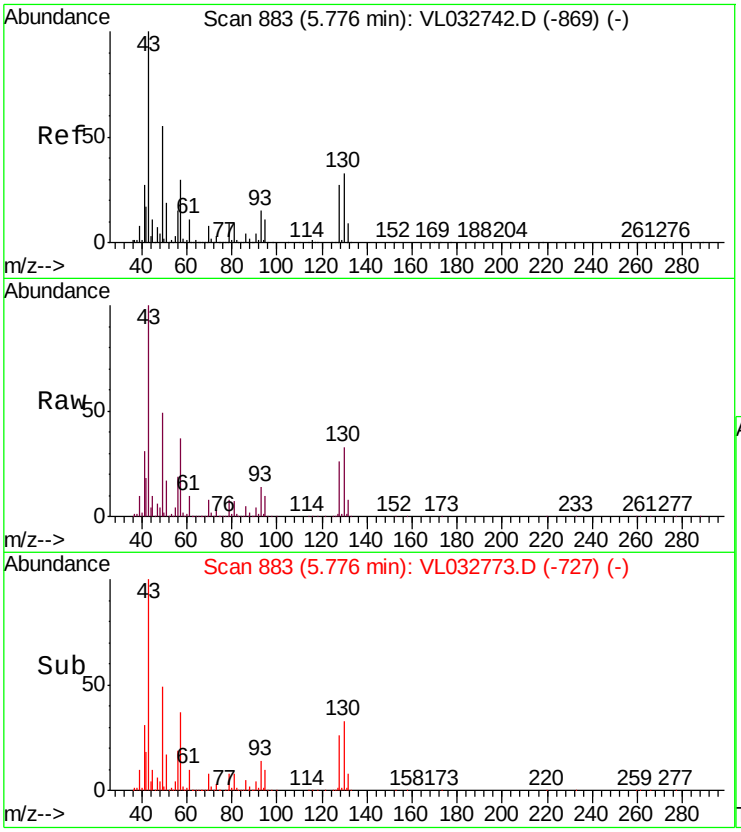


#24
1,1-Dichloroethane
Concen: 9.358 ppbv
RT: 5.10 min Scan# 672
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 63 Resp: 1962105

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.3	6.8
100	3.2	1.4	4.2



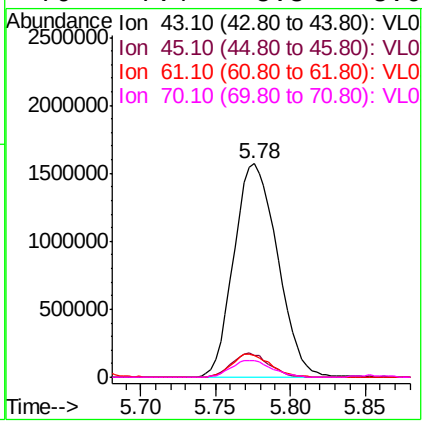


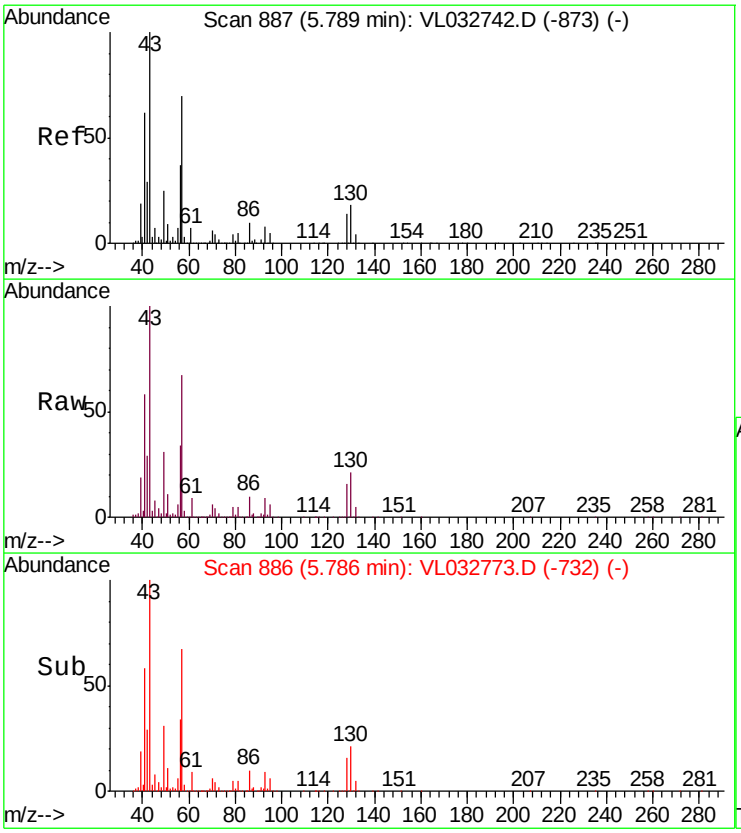
#25
Ethyl Acetate
Concen: 9.461 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion: 43 Resp: 3190050

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.7	7.8	11.6
70	7.4	5.8	8.6

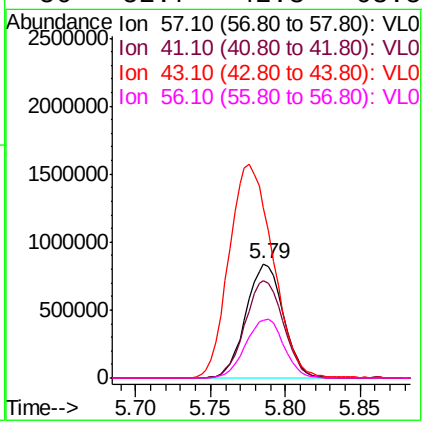


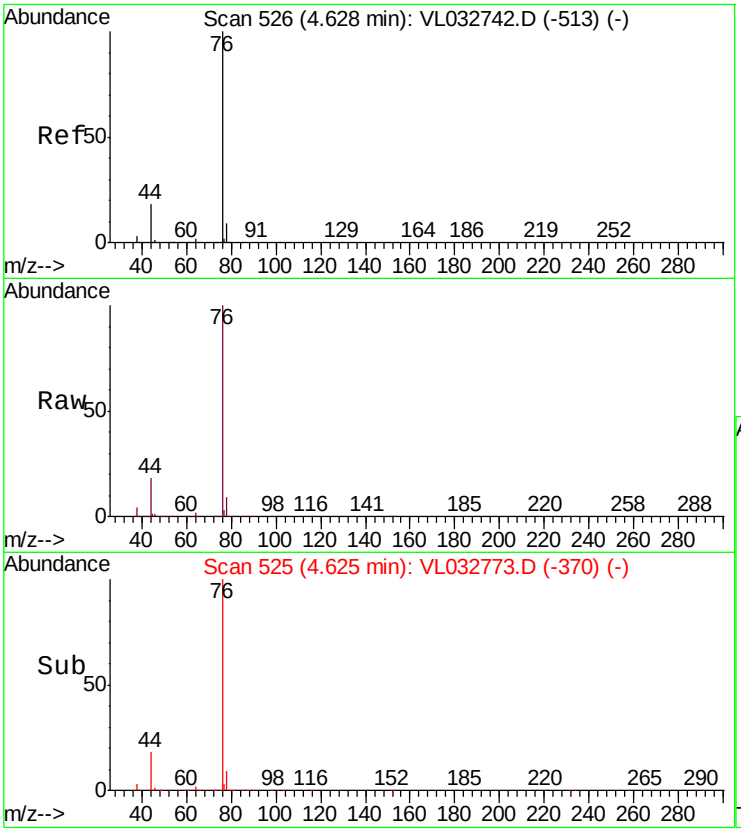


#26
Hexane
Concen: 9.750 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 57 Resp: 1463534

Ion	Ratio	Lower	Upper
57	100		
41	87.3	70.3	105.5
43	219.0	174.0	261.0
56	52.7	42.3	63.5



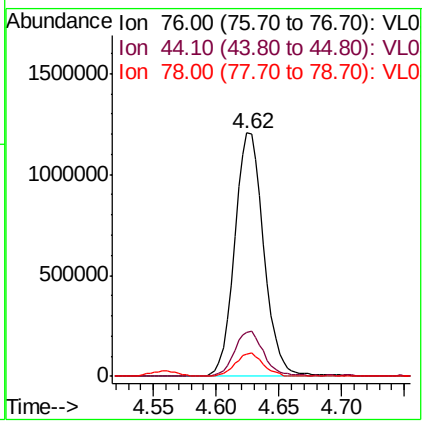


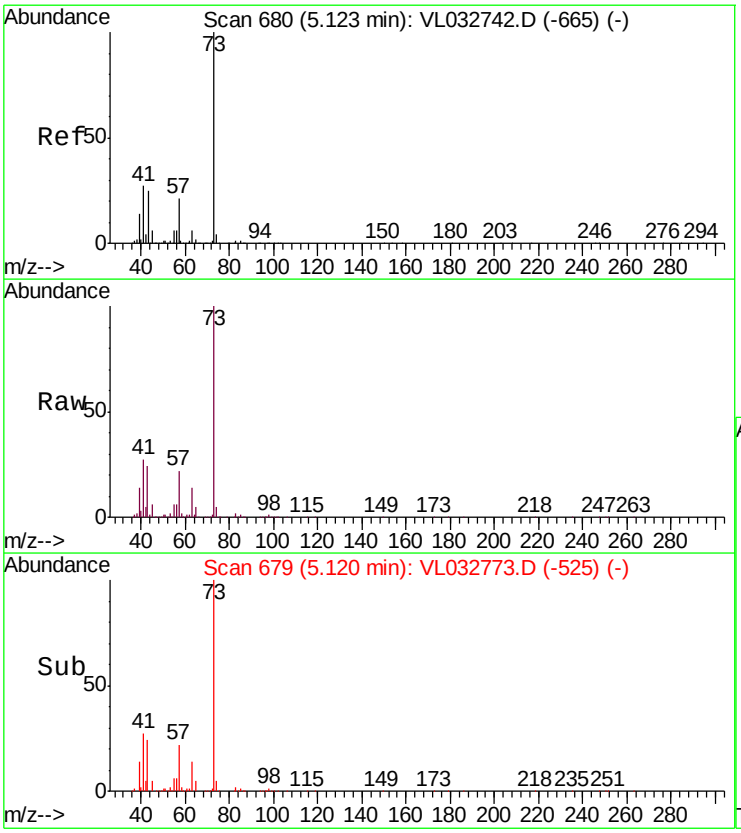
#27
Carbon Disulfide
Concen: 10.222 ppbv
RT: 4.62 min Scan# 525
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion: 76 Resp: 1945583

Ion	Ratio	Lower	Upper
76	100		
44	18.0	14.4	21.6
78	9.2	7.7	11.5

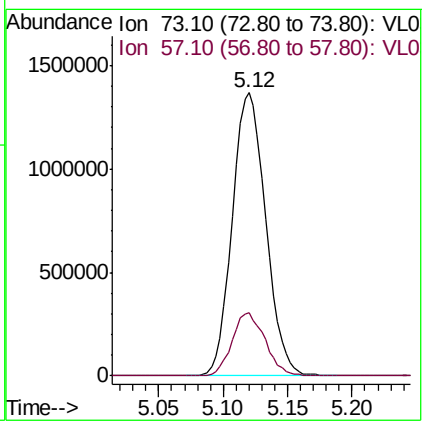


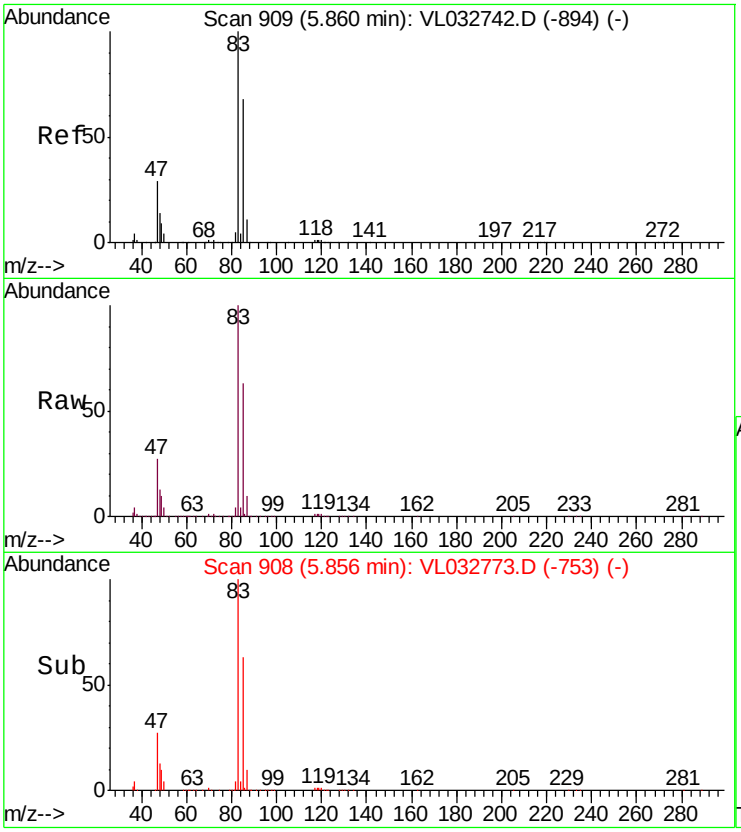


#28
Methyl tert-Butyl Ether
Concen: 10.312 ppbv
RT: 5.12 min Scan# 679
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 73 Resp: 2468295

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.5	26.3



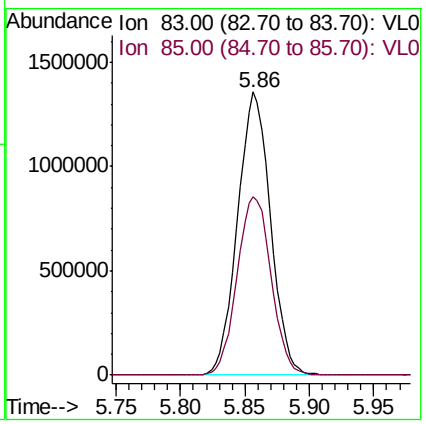


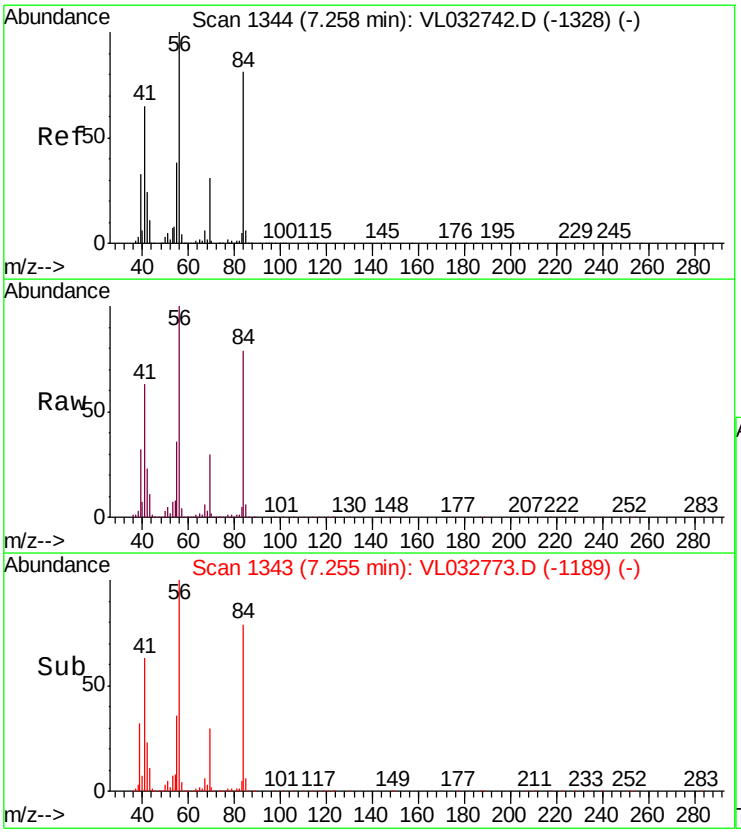
#29
Chloroform
Concen: 9.018 ppbv
RT: 5.86 min Scan# 908
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion: 83 Resp: 2412677

Ion	Ratio	Lower	Upper
83	100		
85	63.0	54.2	81.4

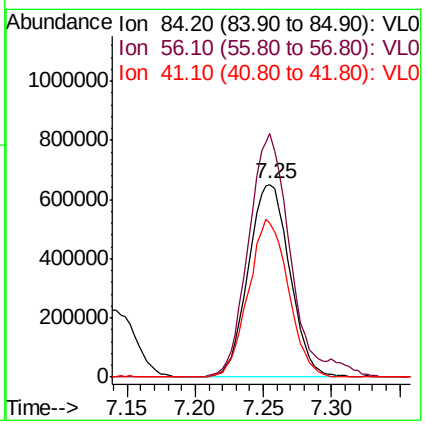


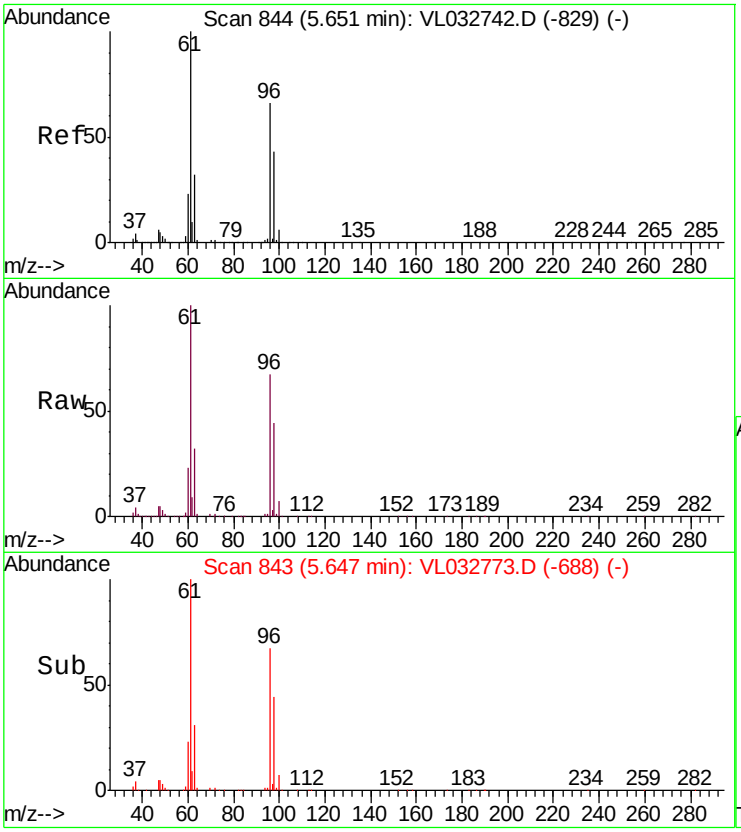


#30
Cyclohexane
Concen: 10.422 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 84 Resp: 1368270

Ion	Ratio	Lower	Upper
84	100		
56	128.8	105.0	157.4
41	79.1	65.3	97.9



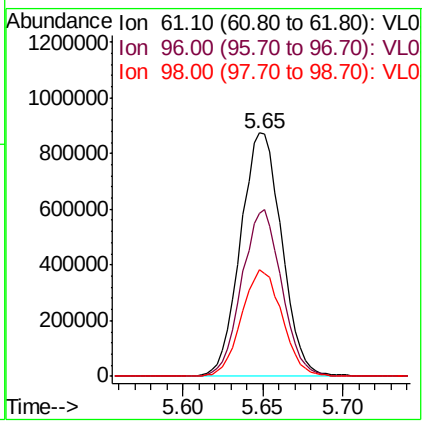


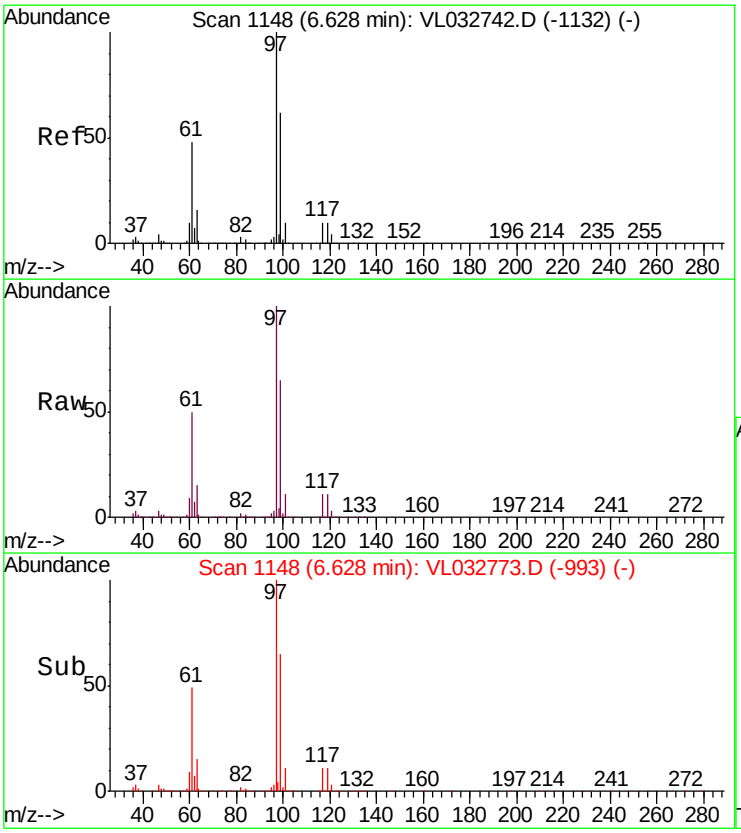
#31
cis-1,2-Dichloroethene
Concen: 10.176 ppbv
RT: 5.65 min Scan# 843
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion: 61 Resp: 1535768

Ion	Ratio	Lower	Upper
61	100		
96	67.0	53.2	79.8
98	43.6	34.4	51.6

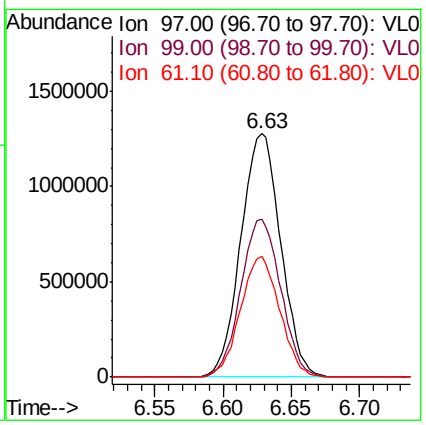


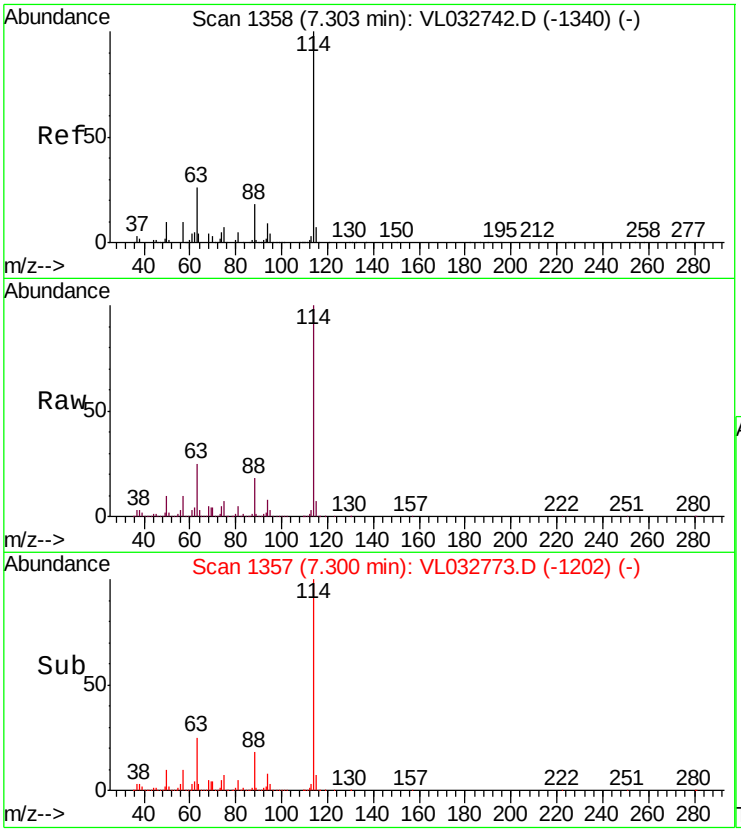


#32
1,1,1-Trichloroethane
Concen: 8.862 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 97 Resp: 2598653

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.6
61	48.8	39.7	59.5



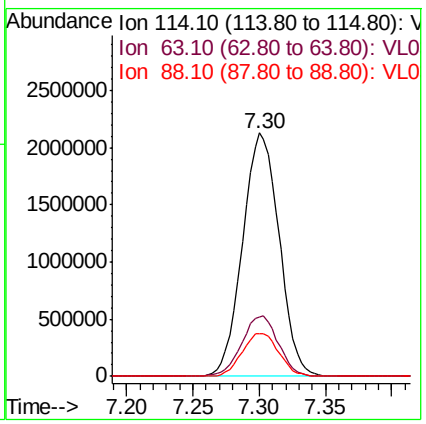


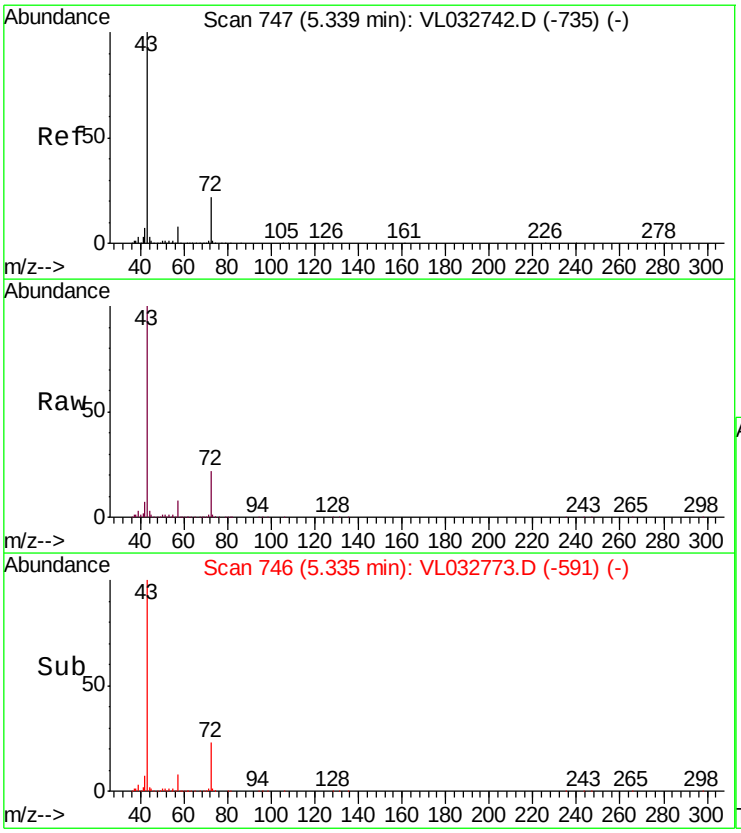
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion:114 Resp: 4086572

Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.9	31.3
88	17.8	14.4	21.6

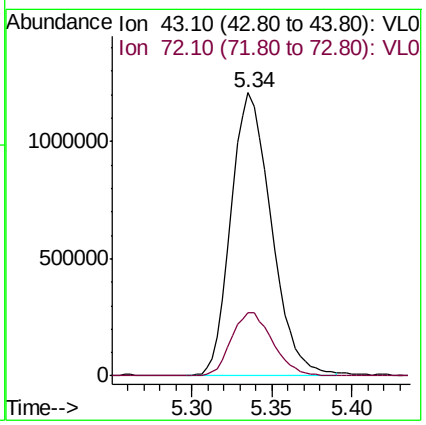


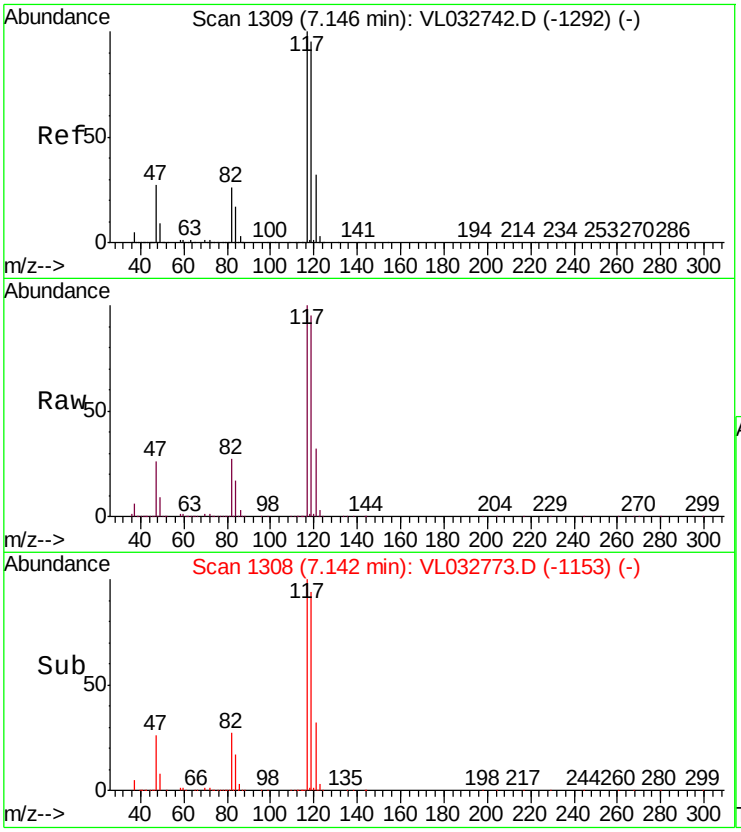


#34
2-Butanone
Concen: 9.774 ppbv
RT: 5.34 min Scan# 746
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 43 Resp: 2071698

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.4	27.6



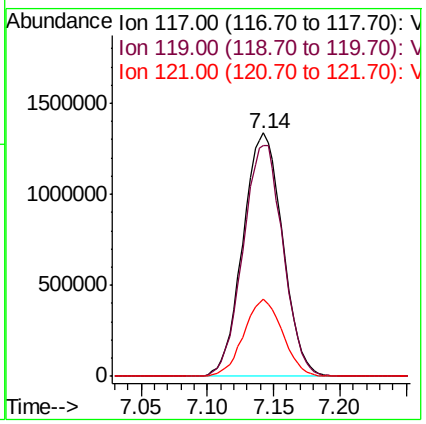


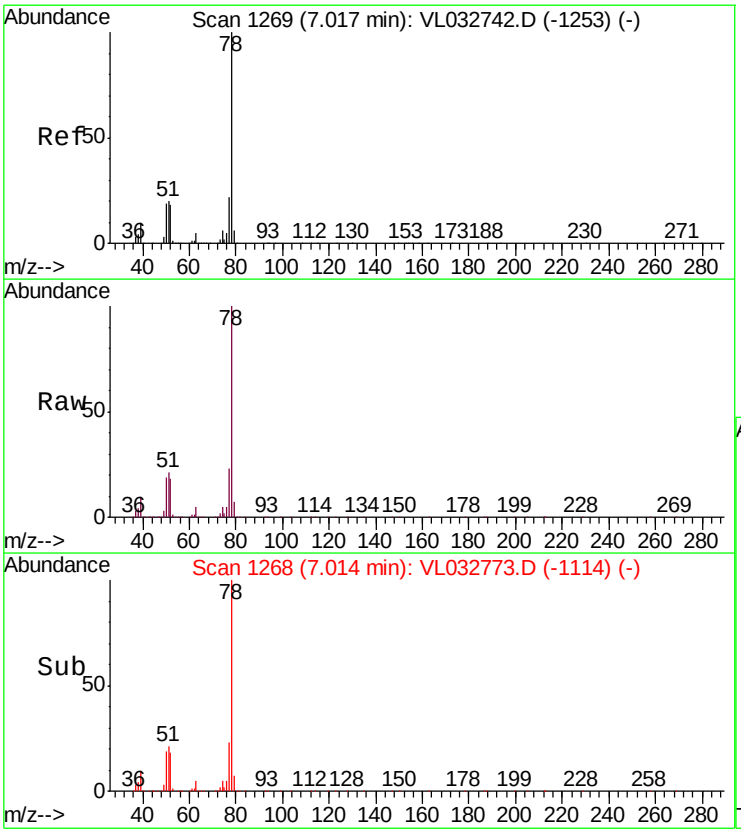
#35
Carbon Tetrachloride
Concen: 8.457 ppbv
RT: 7.14 min Scan# 1308
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion:117 Resp: 2778192

Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.1	114.1
121	31.7	25.4	38.0

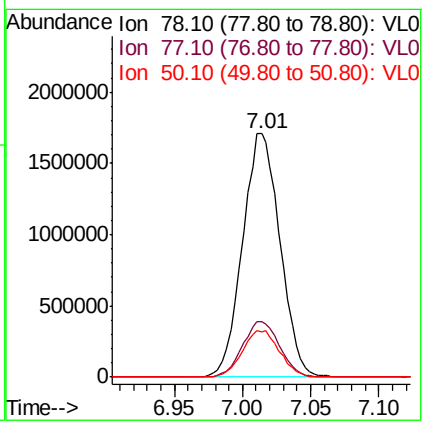


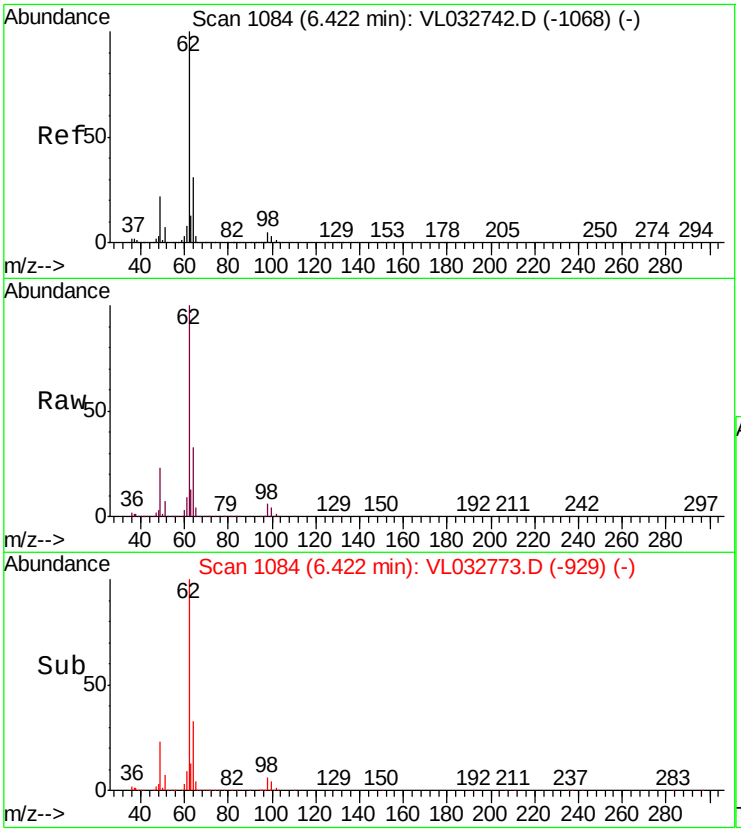


#36
Benzene
Concen: 10.001 ppbv
RT: 7.01 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 78 Resp: 3254441

Ion	Ratio	Lower	Upper
78	100		
77	22.9	17.8	26.8
50	18.5	15.4	23.0



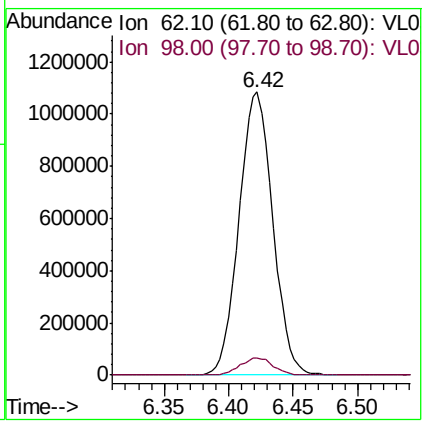


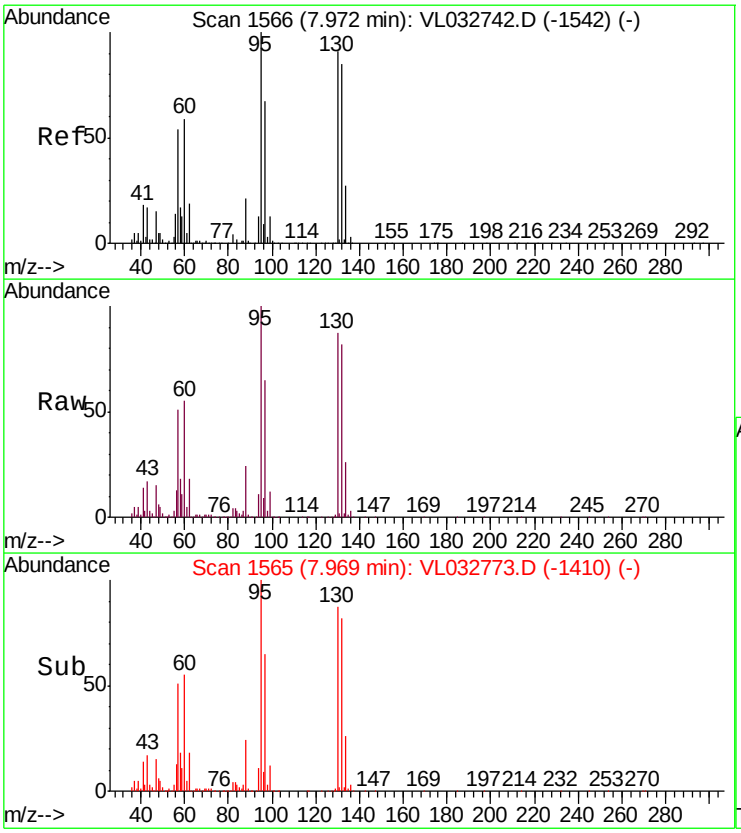
#37
1,2-Dichloroethane
Concen: 9.027 ppbv
RT: 6.42 min Scan# 1084
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion: 62 Resp: 1977521

Ion	Ratio	Lower	Upper
62	100		
98	6.1	4.5	6.7

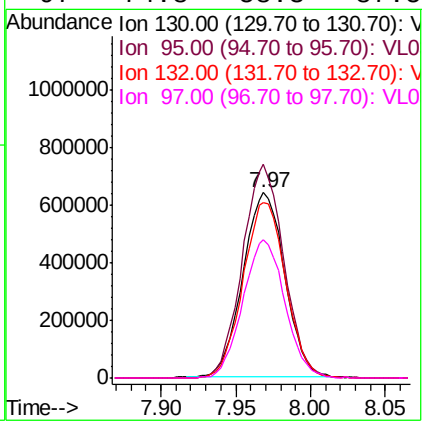


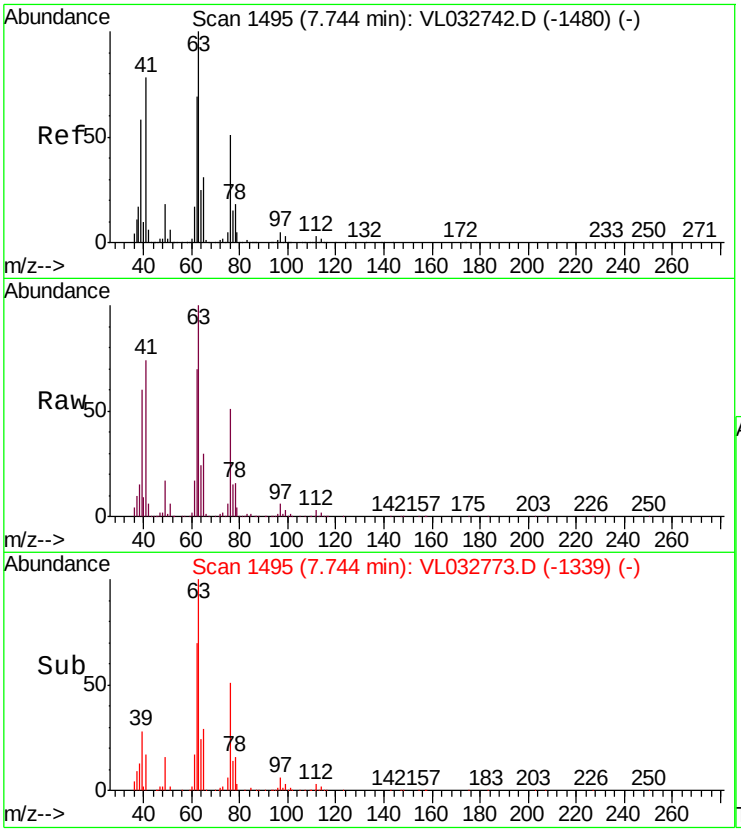


#38
Trichloroethene
Concen: 9.460 ppbv
RT: 7.97 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion:130 Resp: 1245845

Ion	Ratio	Lower	Upper
130	100		
95	115.9	87.7	131.5
132	95.2	74.6	111.8
97	74.8	58.3	87.5



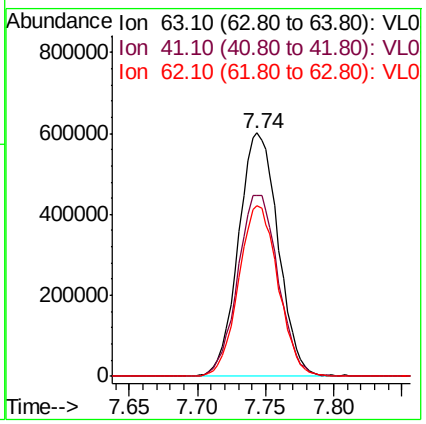


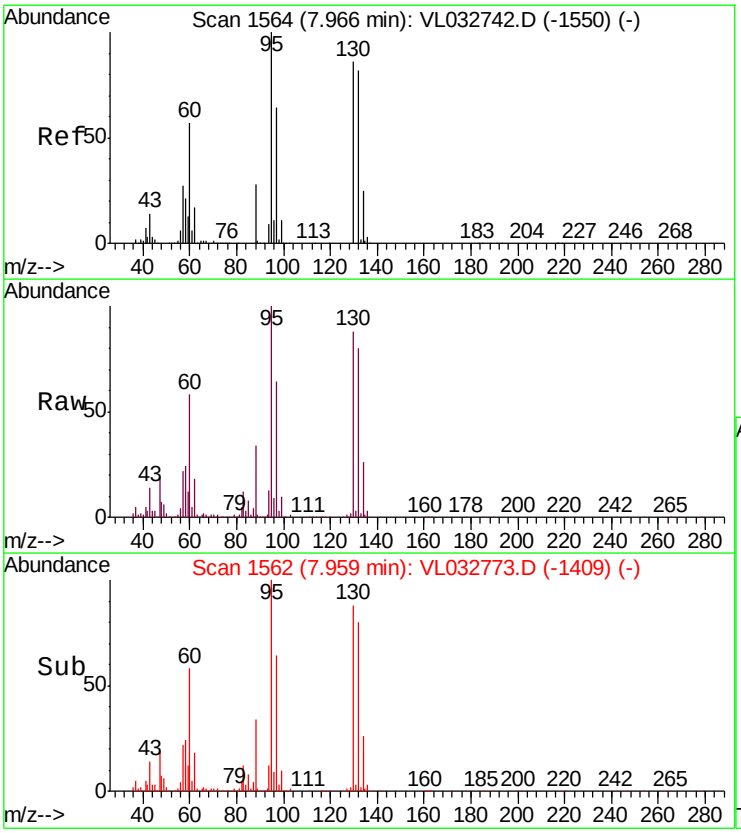
#39
1,2-Dichloropropane
Concen: 9.742 ppbv
RT: 7.74 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion: 63 Resp: 1207864

Ion	Ratio	Lower	Upper
63	100		
41	74.2	62.0	93.0
62	70.2	55.4	83.2

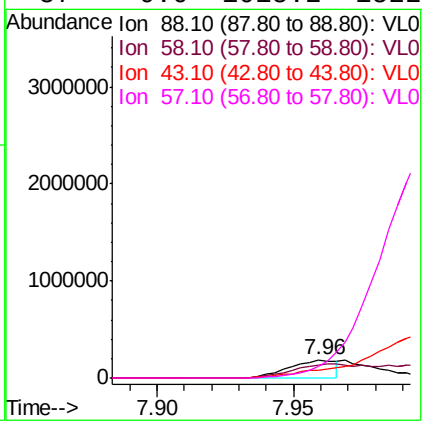


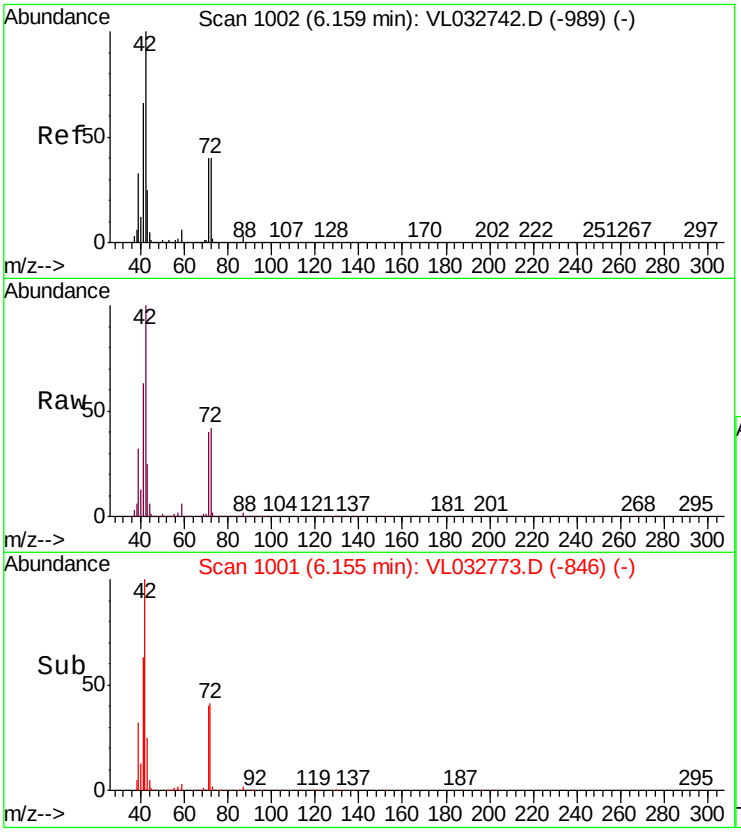


#40
1,4-Dioxane
Concen: 5.106 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 88 Resp: 226128

Ion	Ratio	Lower	Upper
88	100		
58	0.0	105.3	157.9#
43	0.0	226.1	339.1#
57	0.0	1015.2	1522.8#



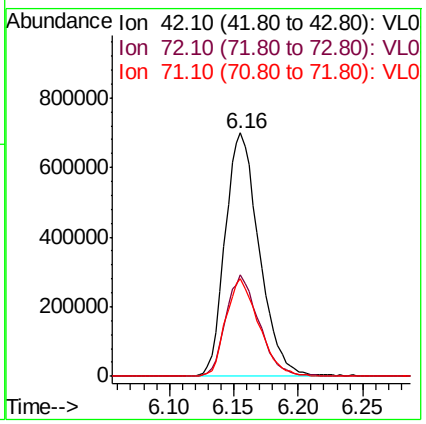


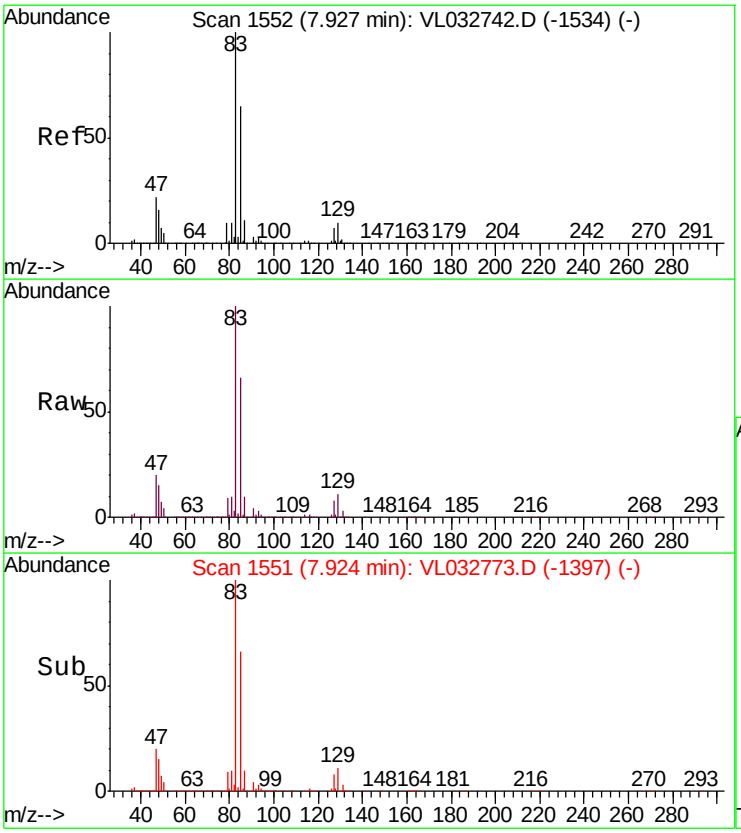
#41
Tetrahydrofuran
Concen: 10.544 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion: 42 Resp: 1281895

Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.4	48.6
71	39.1	31.6	47.4

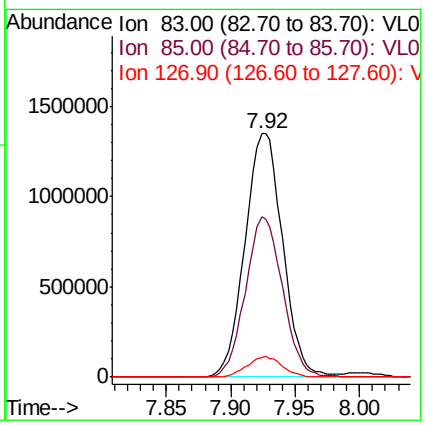


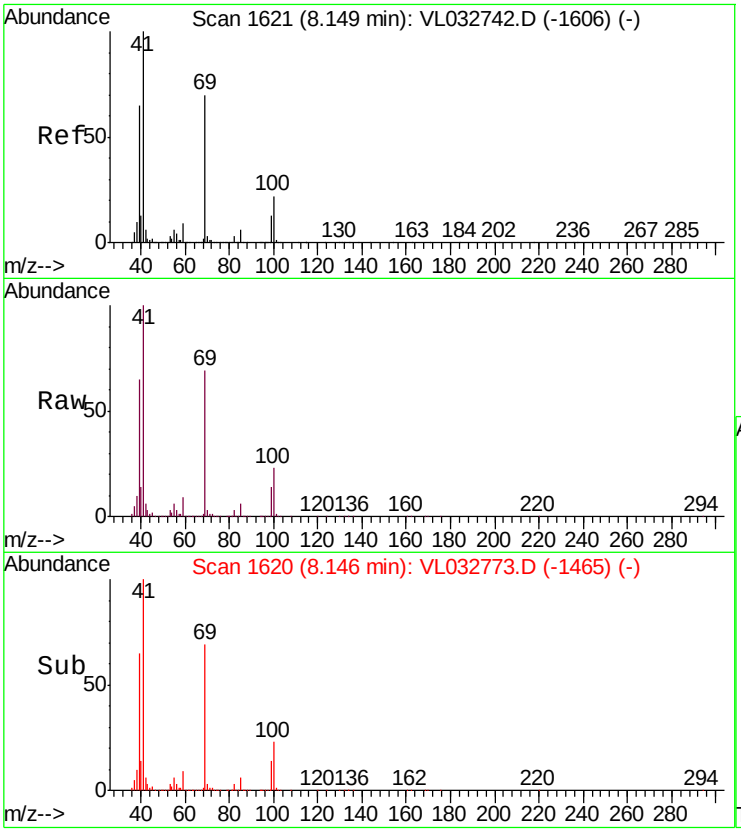


#42
Bromodichloromethane
Concen: 9.298 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 83 Resp: 2760969

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.8
127	8.0	5.9	8.9



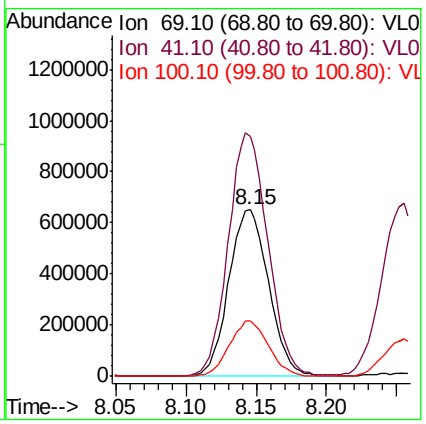


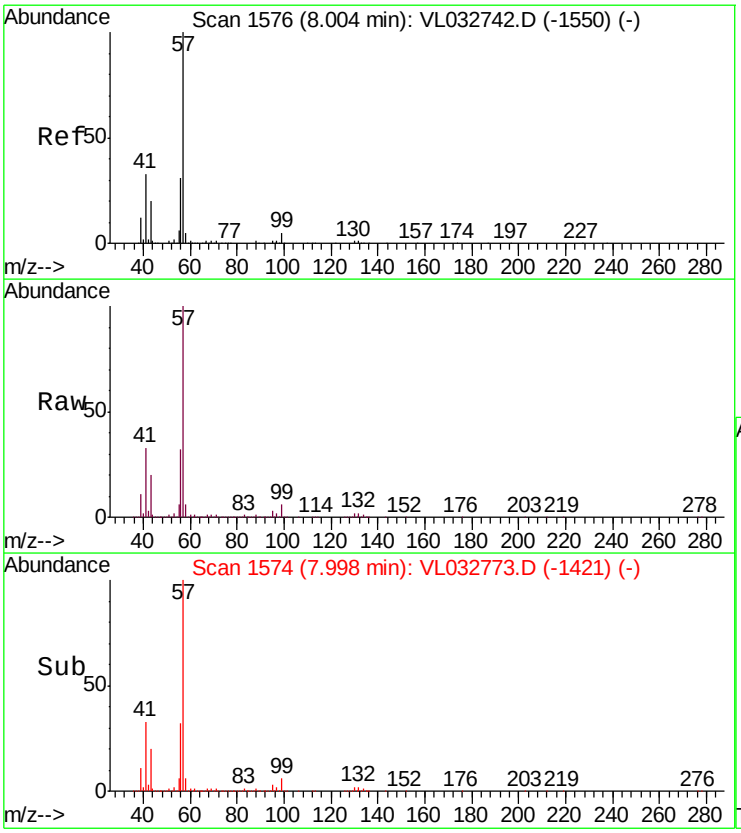
#43
Methyl Methacrylate
Concen: 10.593 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion: 69 Resp: 1286966

Ion	Ratio	Lower	Upper
69	100		
41	144.9	115.0	172.4
100	32.6	25.4	38.0

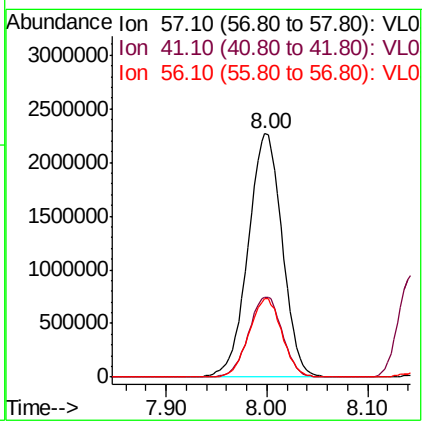


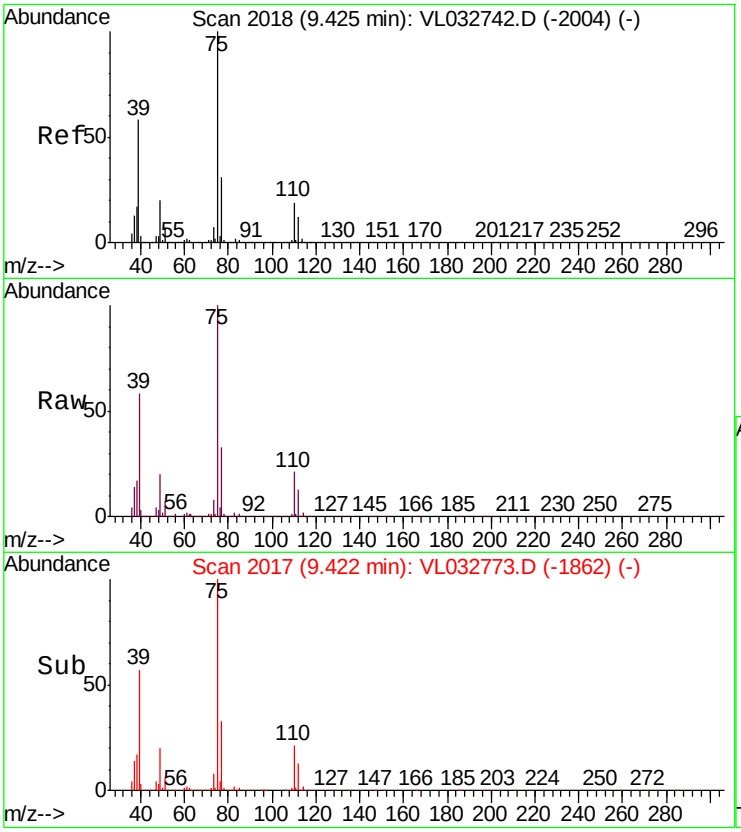


#44
2,2,4-Trimethylpentane
Concen: 9.774 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.01 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 57 Resp: 5315069

Ion	Ratio	Lower	Upper
57	100		
41	32.3	26.6	39.8
56	31.2	24.8	37.2



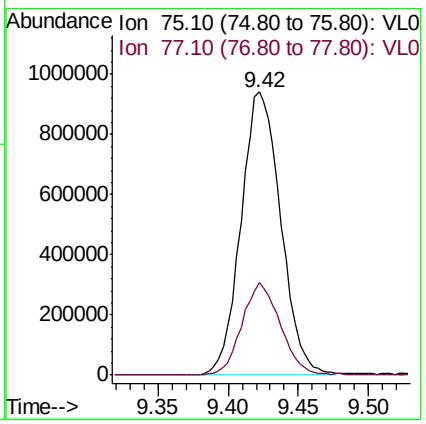


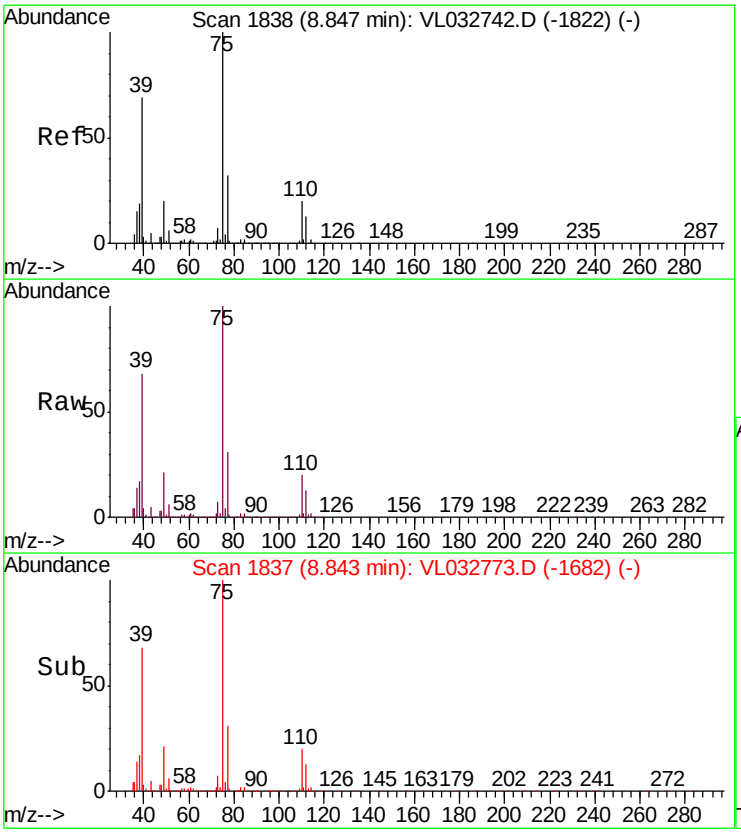
#45
t-1,3-Dichloropropene
Concen: 11.418 ppbv
RT: 9.42 min Scan# 2017
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion: 75 Resp: 1861336

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.6	36.8

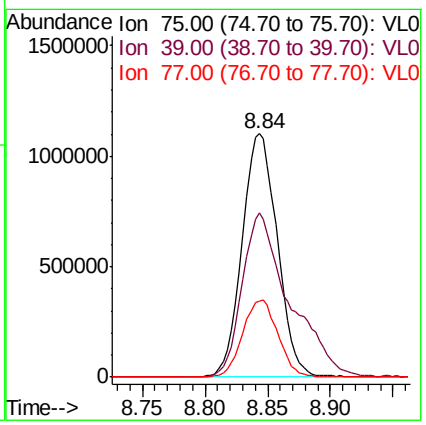


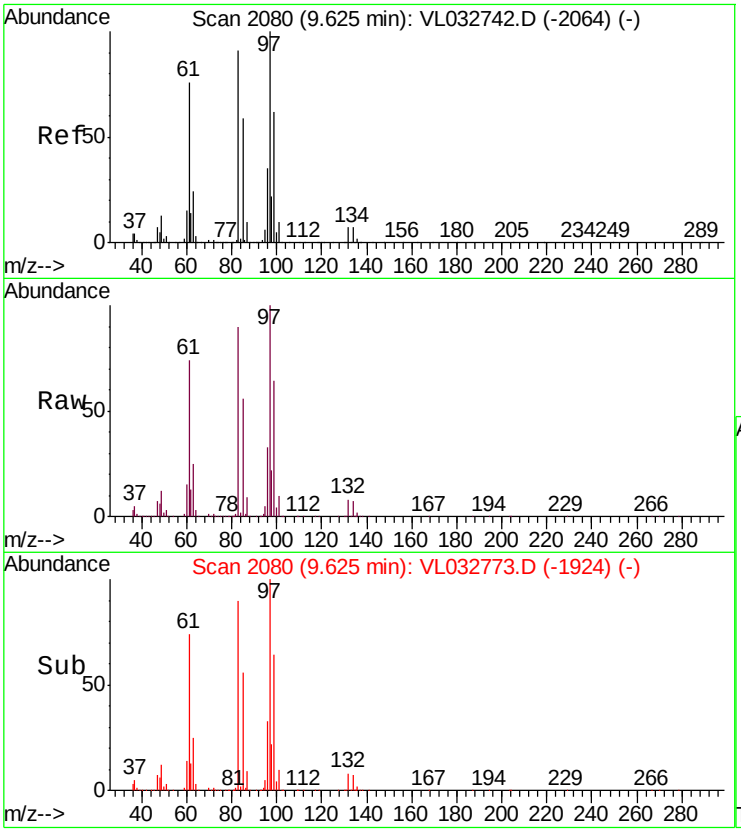


#46
cis-1,3-Dichloropropene
Concen: 10.872 ppbv
RT: 8.84 min Scan# 1837
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 75 Resp: 2141342

Ion	Ratio	Lower	Upper
75	100		
39	67.6	55.2	82.8
77	31.0	25.8	38.6



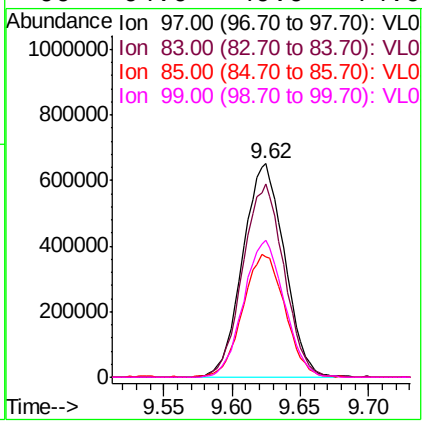


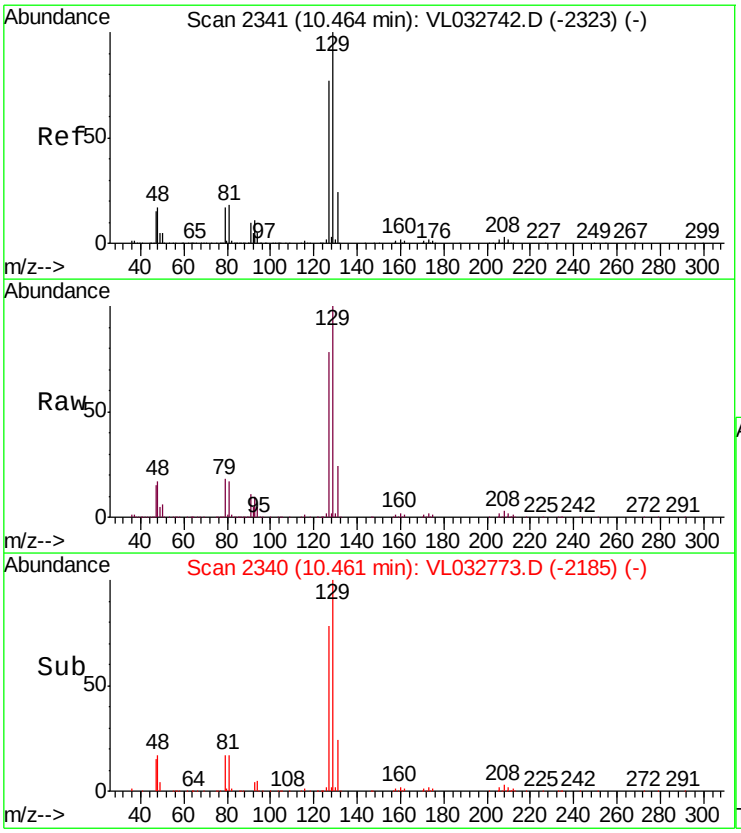
#47
1,1,2-Trichloroethane
Concen: 9.448 ppbv
RT: 9.62 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion: 97 Resp: 1385159

Ion	Ratio	Lower	Upper
97	100		
83	90.1	73.0	109.4
85	56.1	47.0	70.4
99	64.0	49.9	74.9

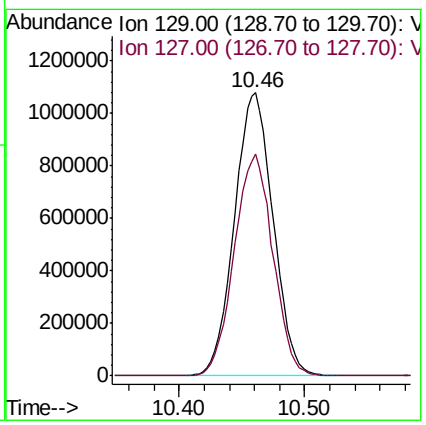


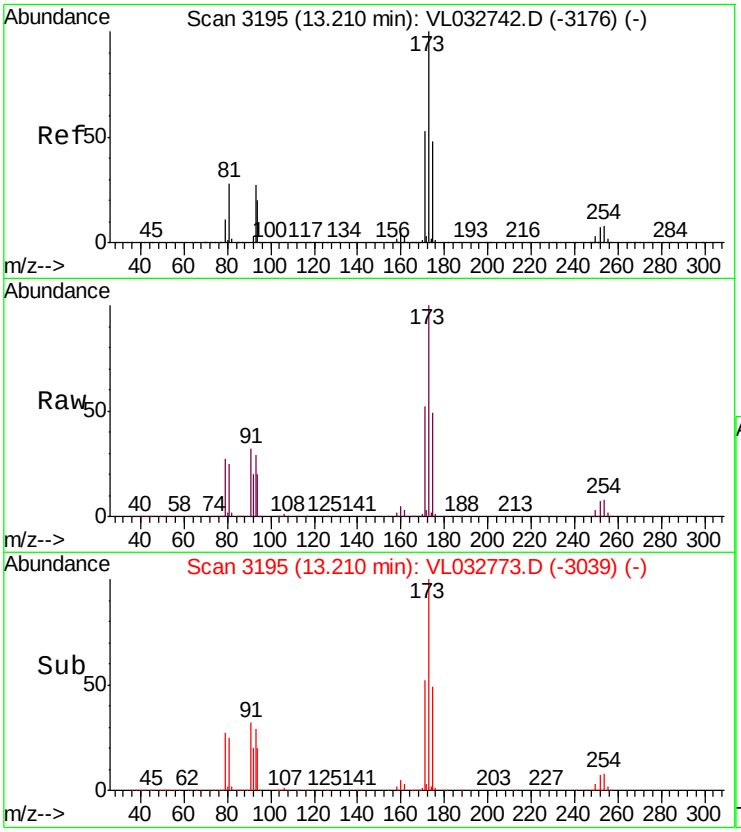


#48
Dibromochloromethane
Concen: 9.278 ppbv
RT: 10.46 min Scan# 2340
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion:129 Resp: 2311809

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.0	117.0



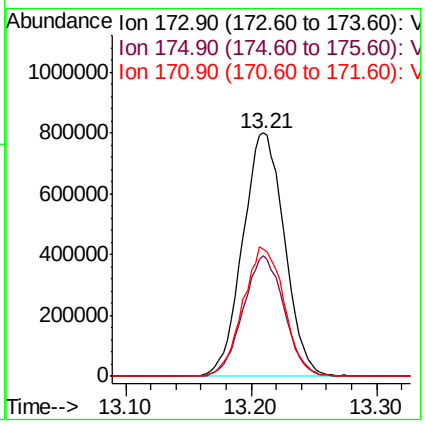


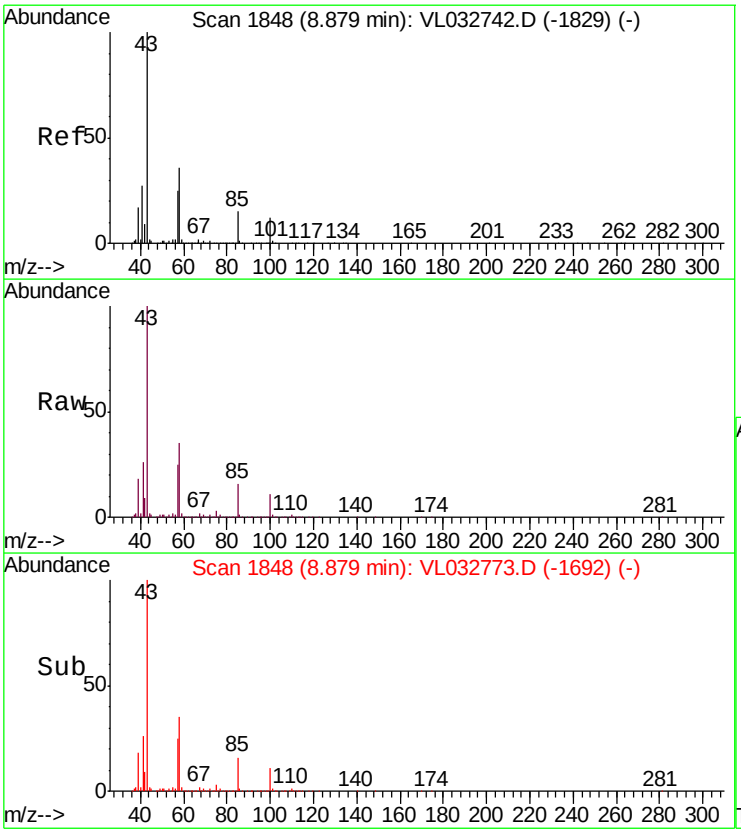
#49
Bromoform
Concen: 9.017 ppbv
RT: 13.21 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion:173 Resp: 1855552

Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.4	59.0
171	52.2	42.0	63.0

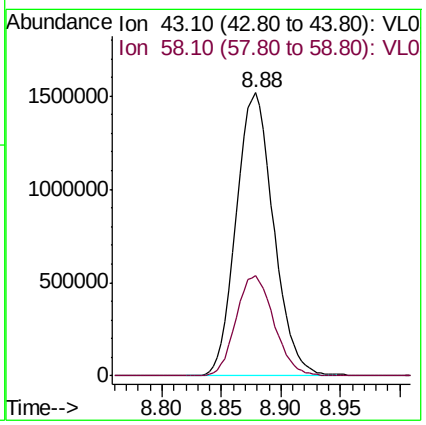


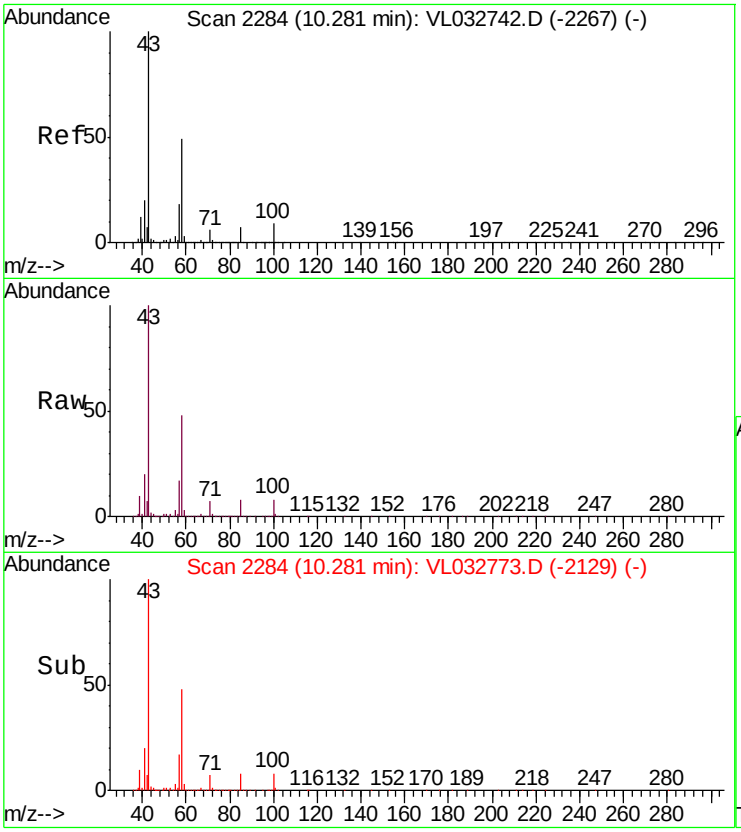


#50
4-Methyl-2-Pentanone
Concen: 9.988 ppbv
RT: 8.88 min Scan# 1848
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 43 Resp: 3306499

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.8	43.2



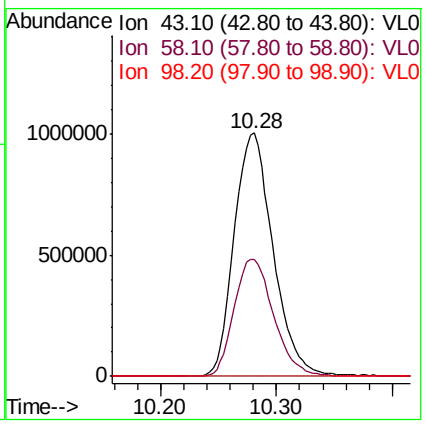


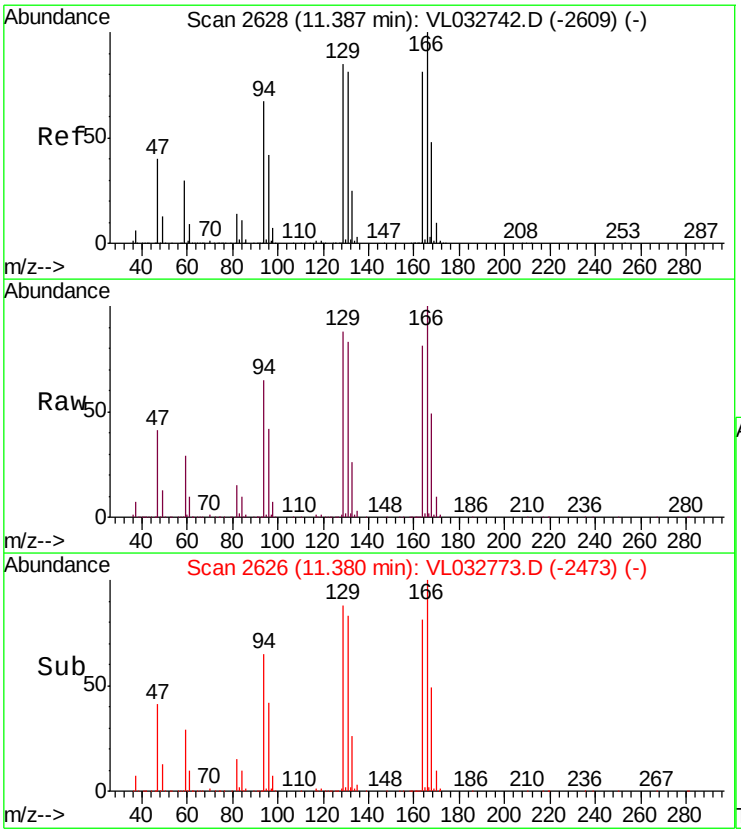
#51
2-Hexanone
Concen: 10.920 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion: 43 Resp: 2329042

Ion	Ratio	Lower	Upper
43	100		
58	49.2	38.9	58.3
98	0.1	0.2	0.4#

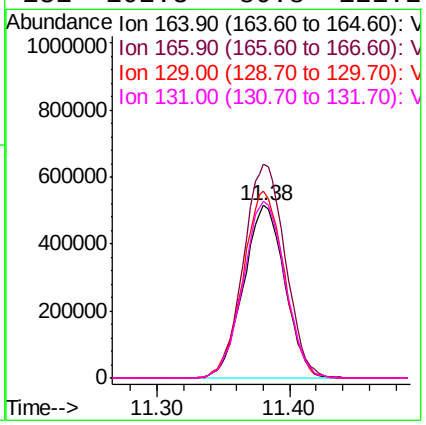


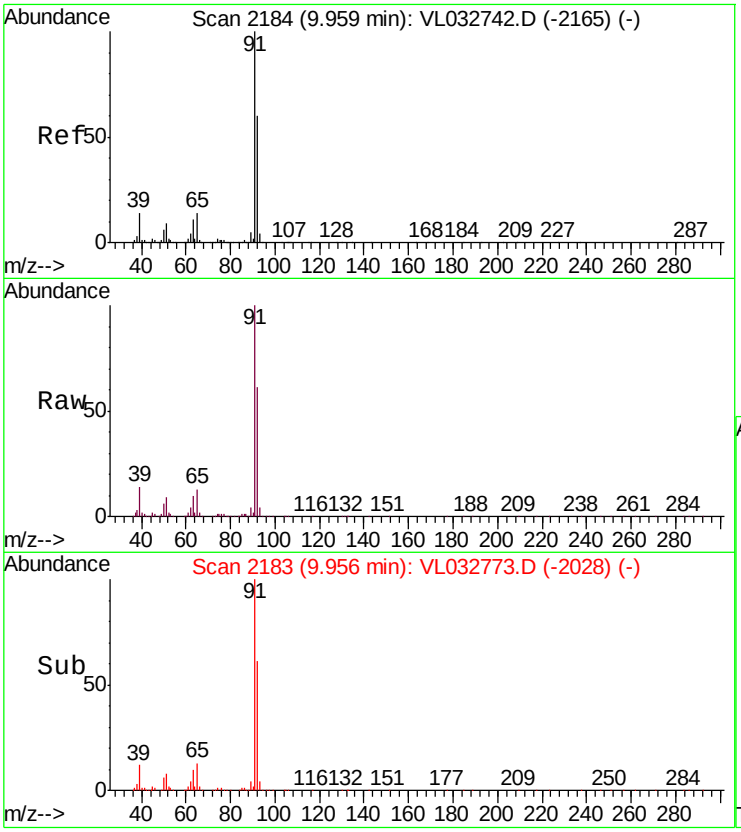


#52
Tetrachloroethene
Concen: 9.825 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. -0.01 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion:164 Resp: 1112214

Ion	Ratio	Lower	Upper
164	100		
166	123.6	99.3	148.9
129	108.4	83.9	125.9
131	102.3	80.8	121.2



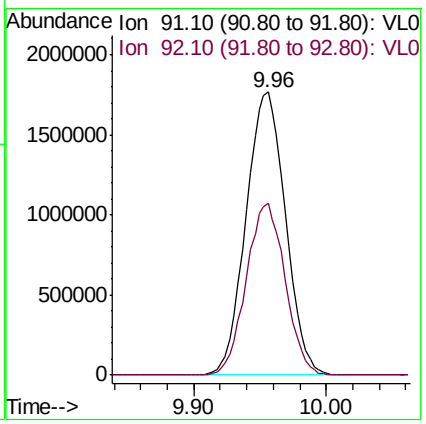


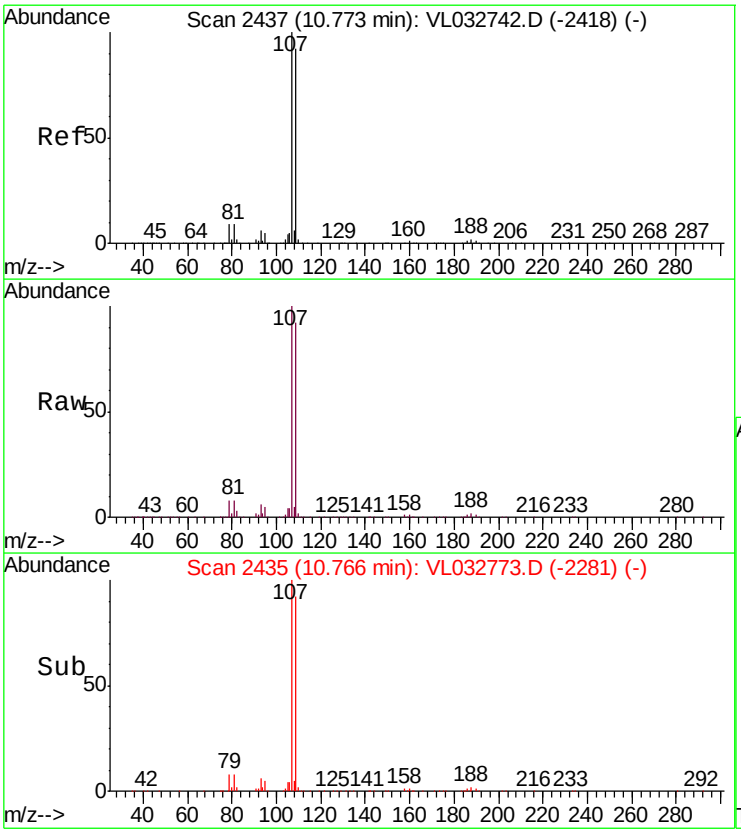
#53
Toluene
Concen: 10.796 ppbv
RT: 9.96 min Scan# 2183
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion: 91 Resp: 3665020

Ion	Ratio	Lower	Upper
91	100		
92	59.8	47.9	71.9

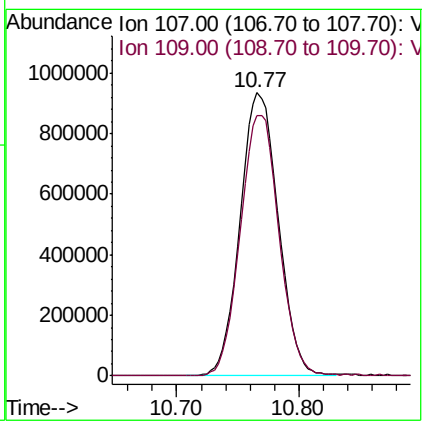


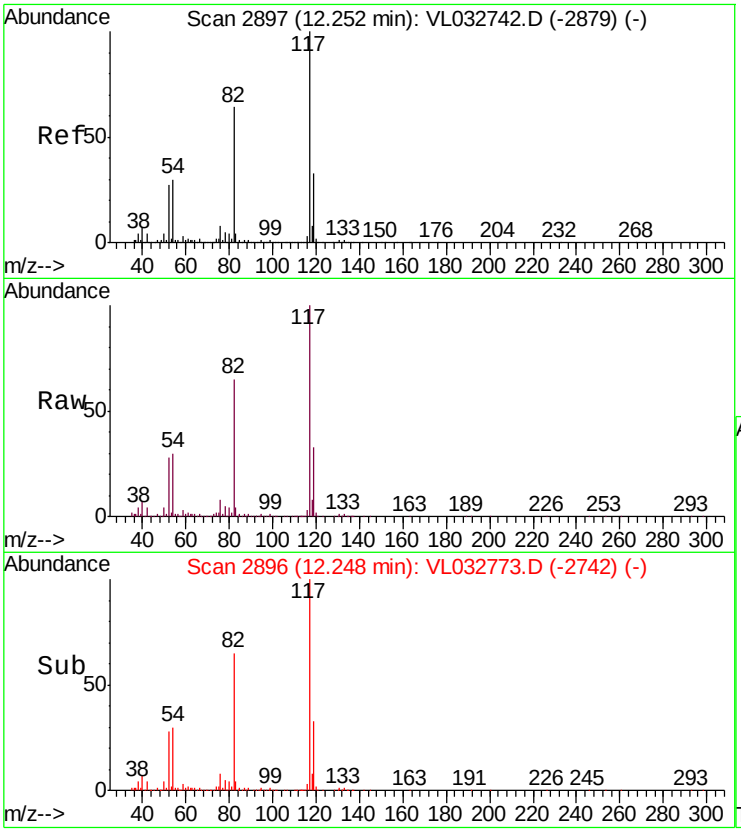


#54
1,2-Dibromoethane
Concen: 9.737 ppbv
RT: 10.77 min Scan# 2435
Delta R.T. -0.01 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion:107 Resp: 2017950

Ion	Ratio	Lower	Upper
107	100		
109	91.8	73.8	110.8



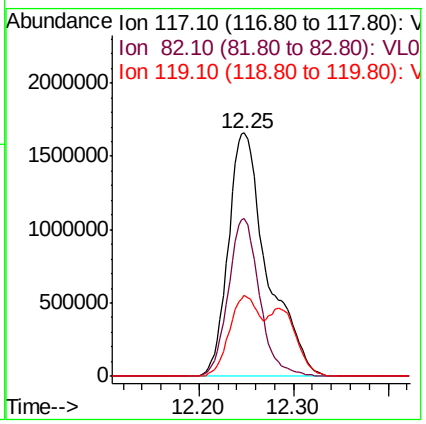


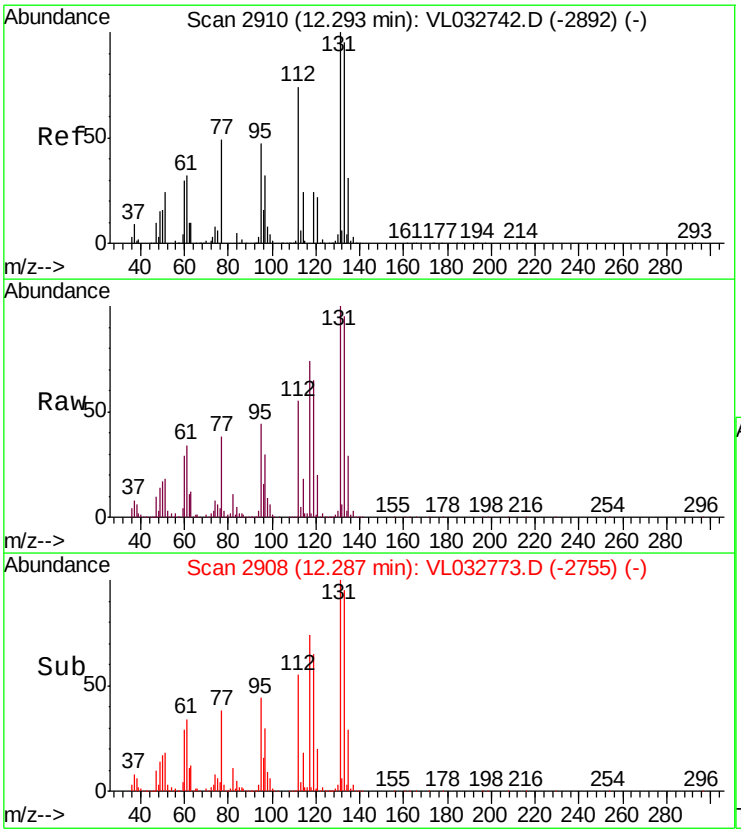
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion:117 Resp: 4754285

Ion	Ratio	Lower	Upper
117	100		
82	51.8	51.0	76.6
119	25.3	28.0	42.0#

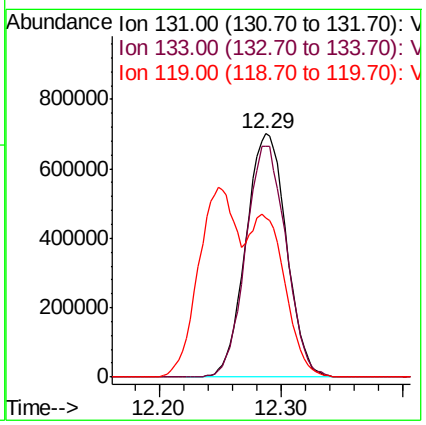


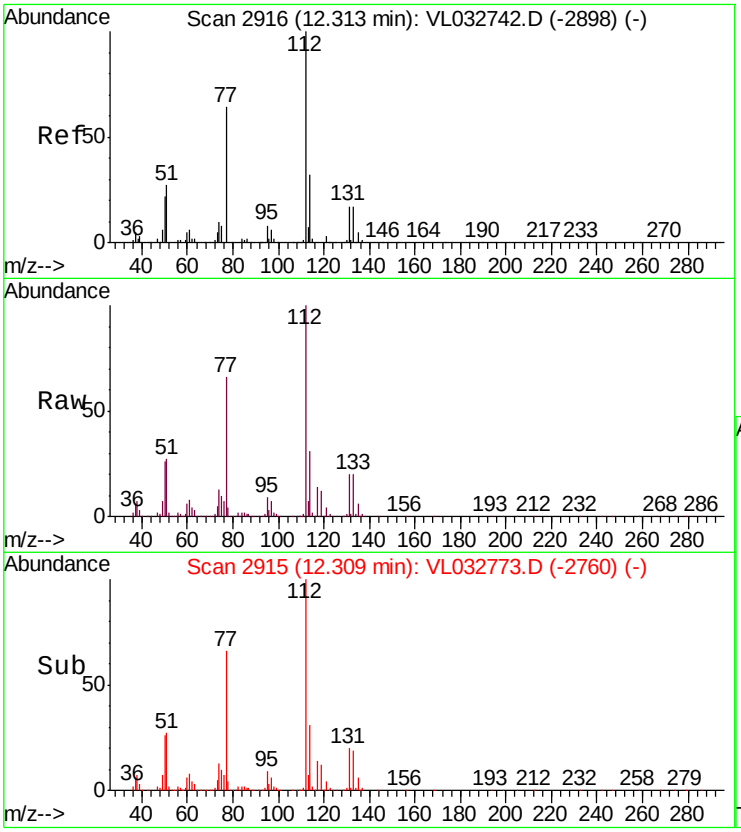


#56
1,1,1,2-Tetrachloroethane
Concen: 7.252 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. -0.01 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion:131 Resp: 1608120

Ion	Ratio	Lower	Upper
131	100		
133	94.8	75.8	113.6
119	137.2	45.2	67.8#



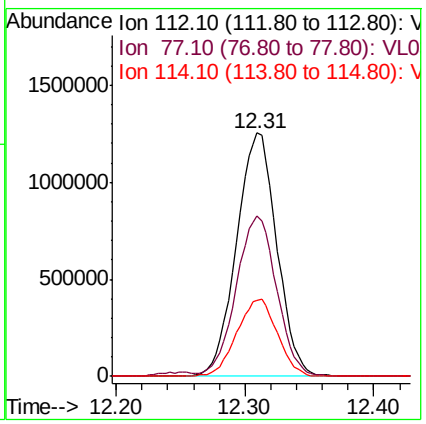


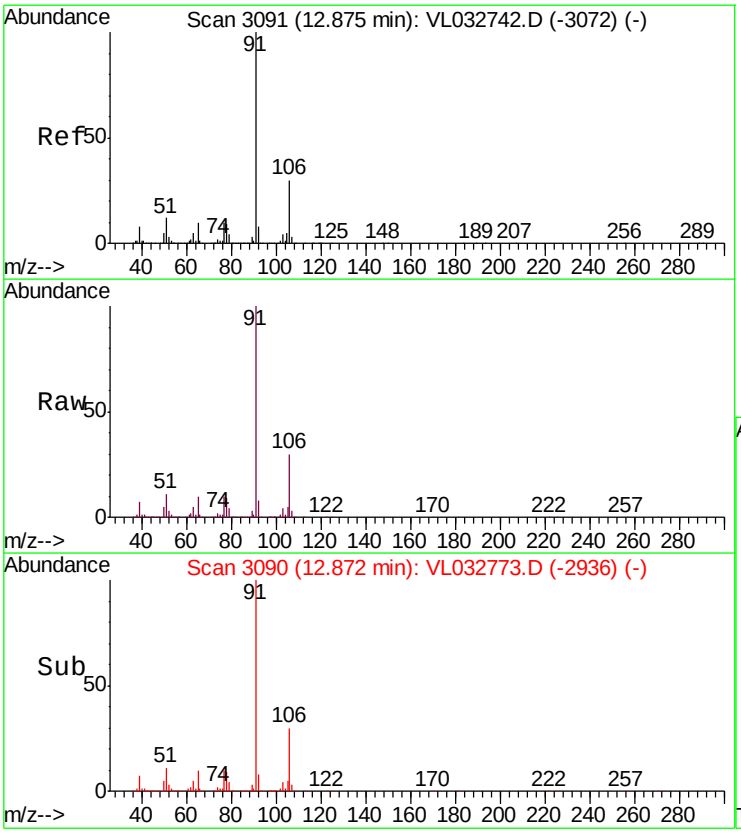
#57
Chlorobenzene
Concen: 7.455 ppbv
RT: 12.31 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion:112 Resp: 2713005

Ion	Ratio	Lower	Upper
112	100		
77	65.6	52.3	78.5
114	31.2	28.4	34.8

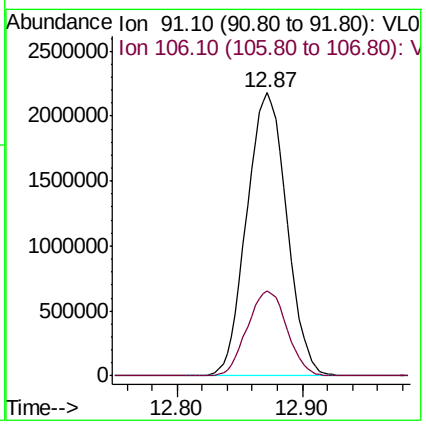


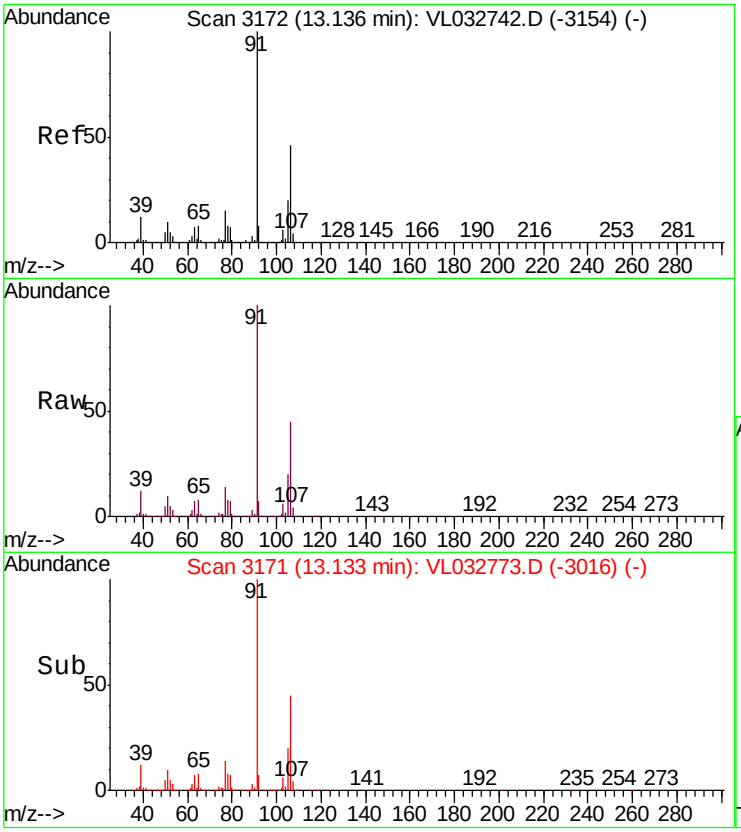


#58
Ethyl Benzene
Concen: 8.446 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 91 Resp: 4832792

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.6	35.4



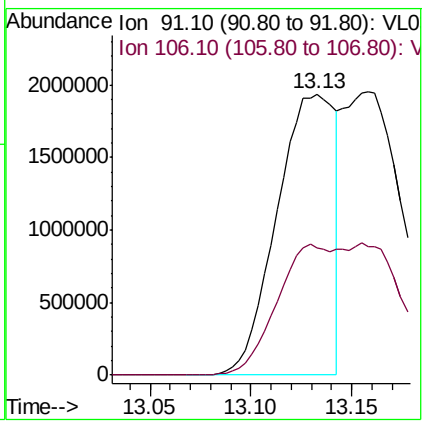


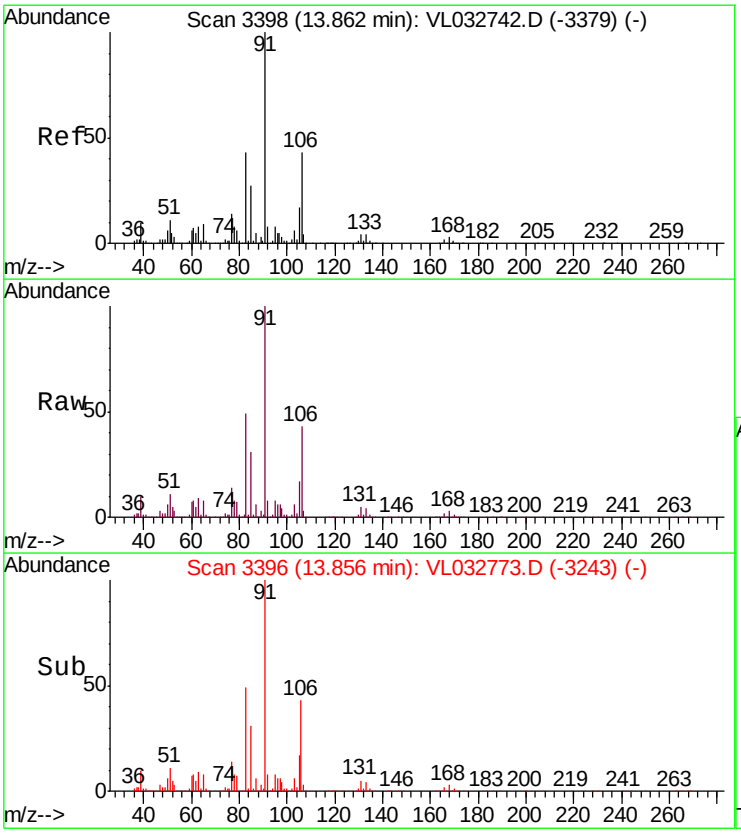
#59
m/p-Xylene
Concen: 7.556 ppbv
RT: 13.13 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion: 91 Resp: 3848503

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

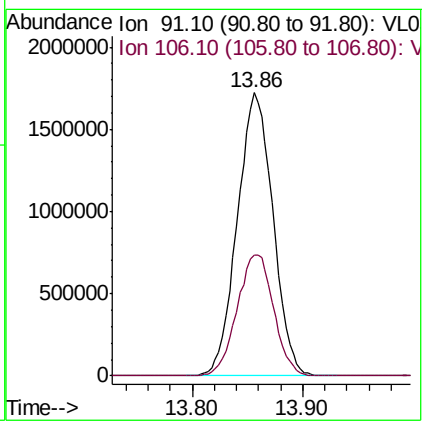


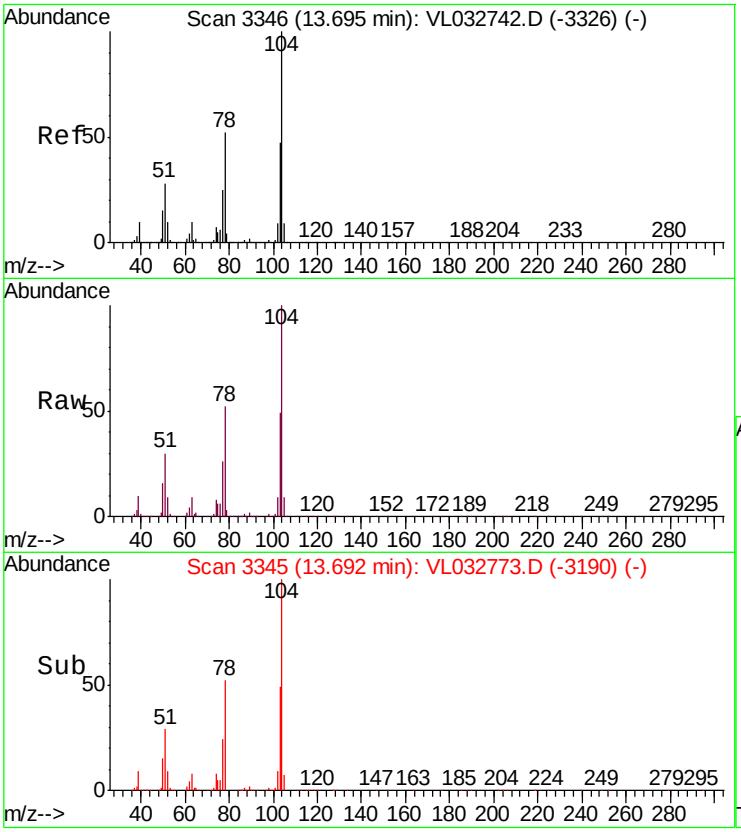


#60
o-Xylene
Concen: 7.514 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.01 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 91 Resp: 3848292

Ion	Ratio	Lower	Upper
91	100		
106	43.9	21.9	65.7



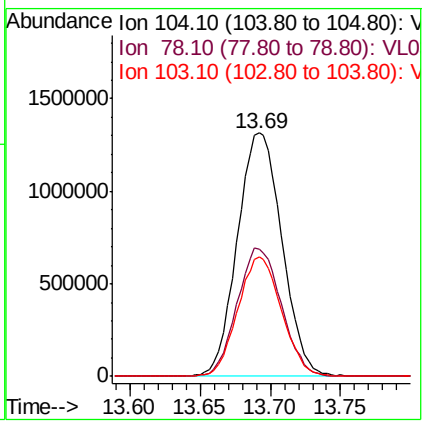


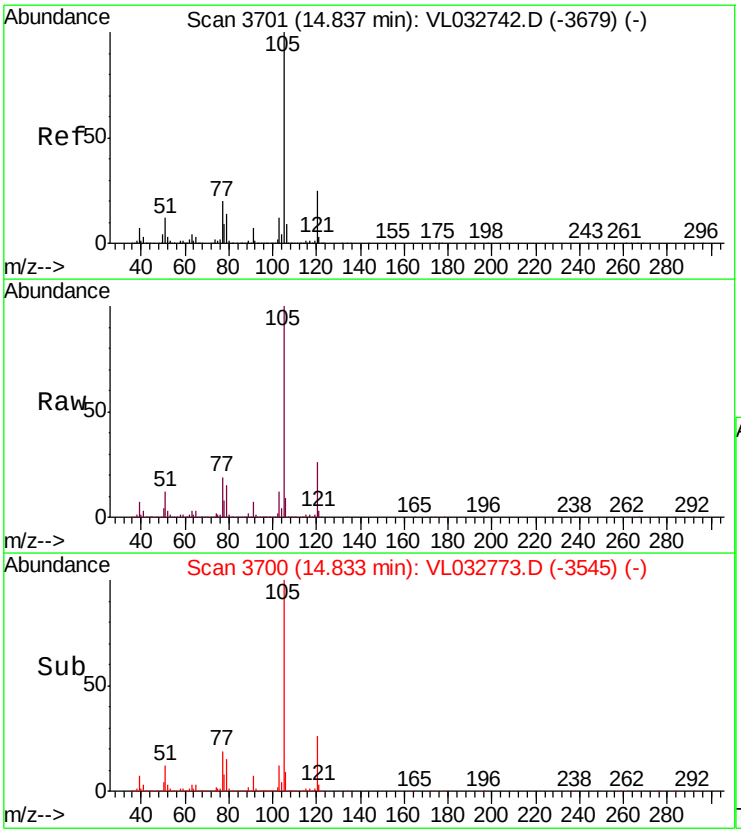
#61
Styrene
Concen: 8.705 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion:104 Resp: 2902183

Ion	Ratio	Lower	Upper
104	100		
78	52.4	42.2	63.4
103	48.3	38.2	57.2

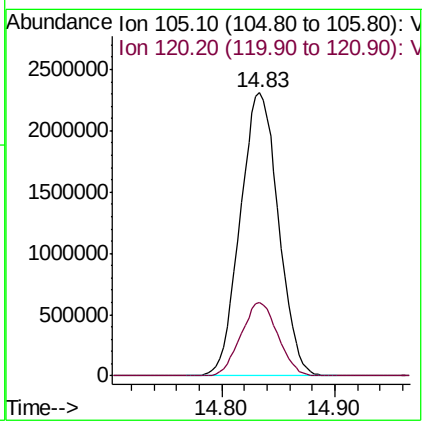


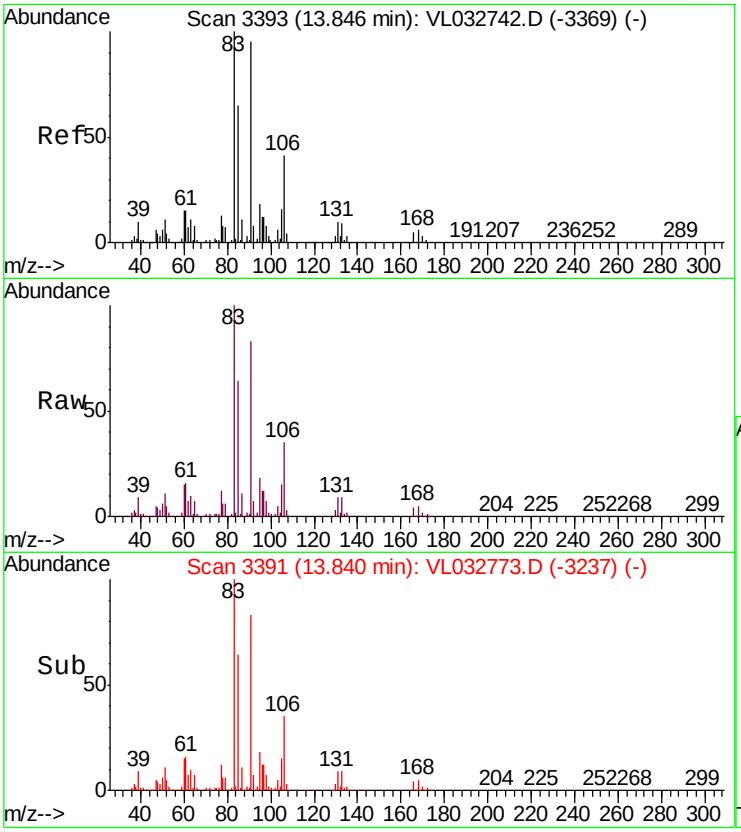


#62
Isopropylbenzene
Concen: 7.821 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion:105 Resp: 5414451

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.1	30.1



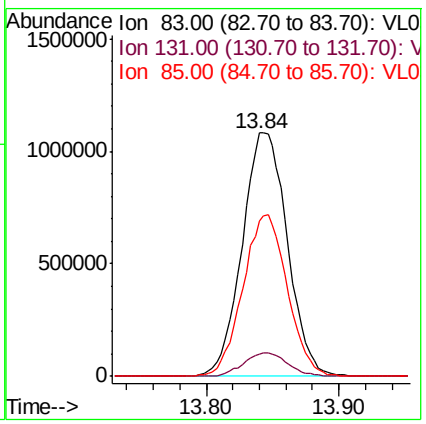


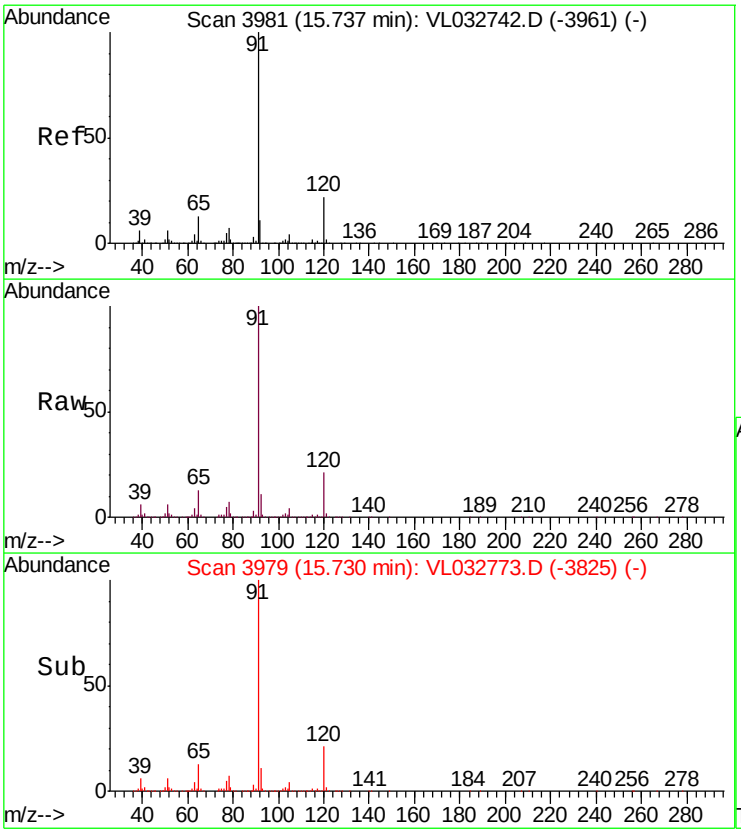
#63
1,1,2,2-Tetrachloroethane
Concen: 6.413 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion: 83 Resp: 2560524

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.1
85	65.6	32.5	97.4

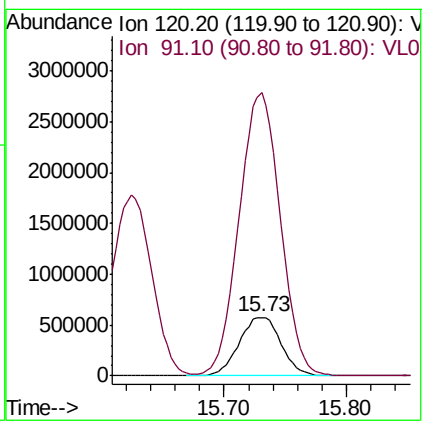


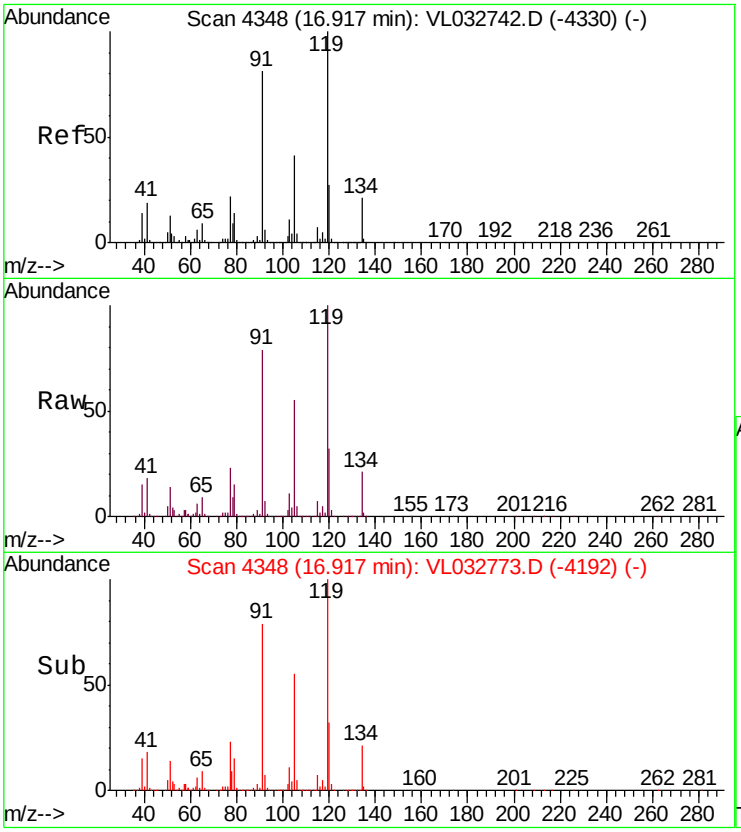


#64
n-propylbenzene
Concen: 7.506 ppbv
RT: 15.73 min Scan# 3979
Delta R.T. -0.01 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion:120 Resp: 1366629

Ion	Ratio	Lower	Upper
120	100		
91	476.2	381.7	572.5



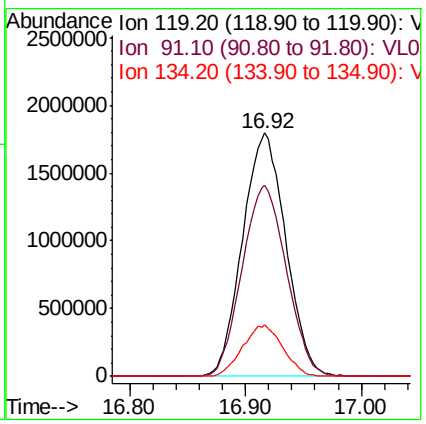


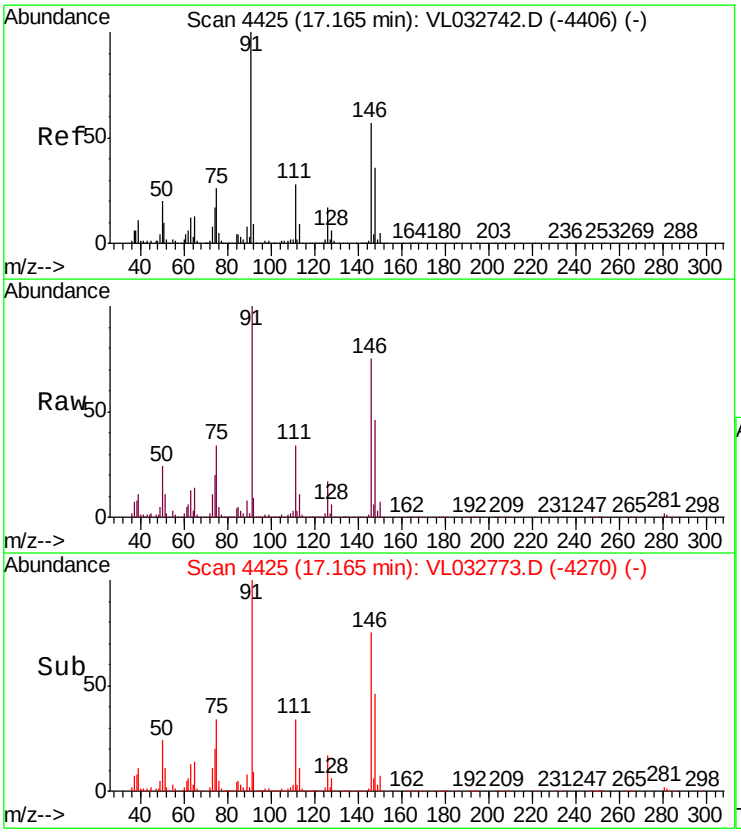
#65
tert-Butylbenzene
Concen: 7.495 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion:119 Resp: 4650927

Ion	Ratio	Lower	Upper
119	100		
91	80.6	65.6	98.4
134	19.7	15.9	23.9

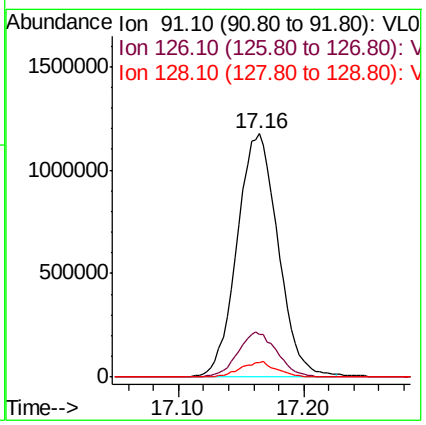


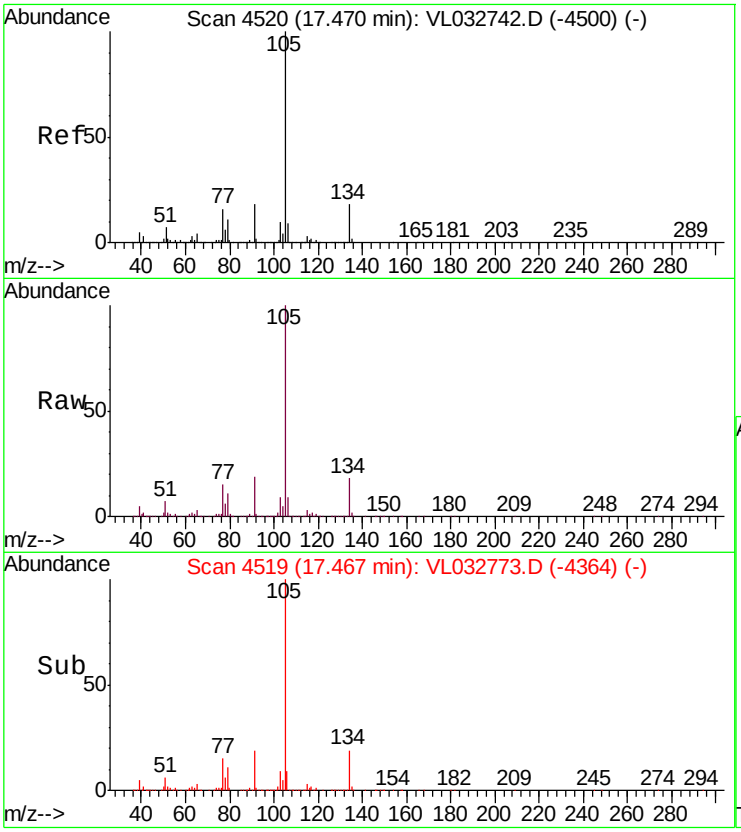


#66
Benzyl Chloride
Concen: 7.763 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 91 Resp: 2663290

Ion	Ratio	Lower	Upper
91	100		
126	17.9	14.2	21.2
128	5.7	4.5	6.7



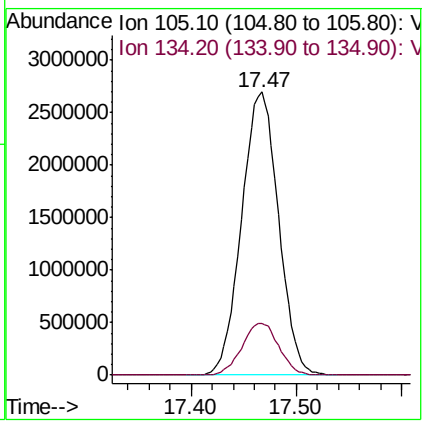


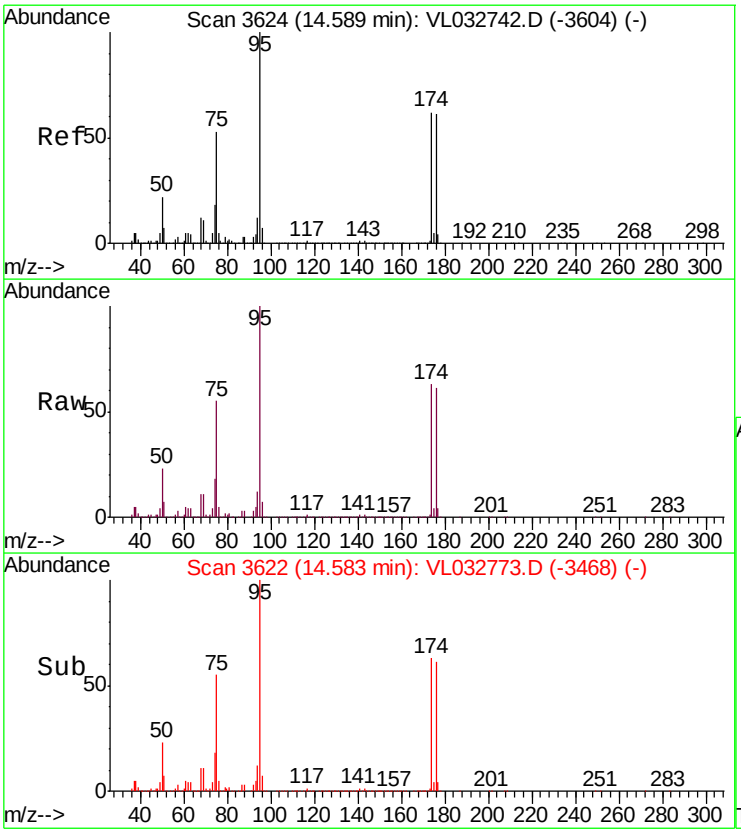
#67
sec-Butylbenzene
Concen: 7.353 ppbv
RT: 17.47 min Scan# 4519
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion:105 Resp: 6575972

Ion	Ratio	Lower	Upper
105	100		
134	18.4	14.6	21.8

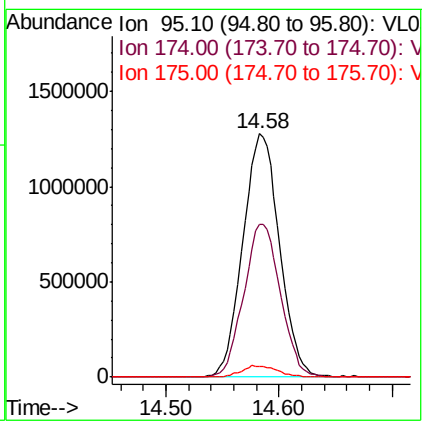


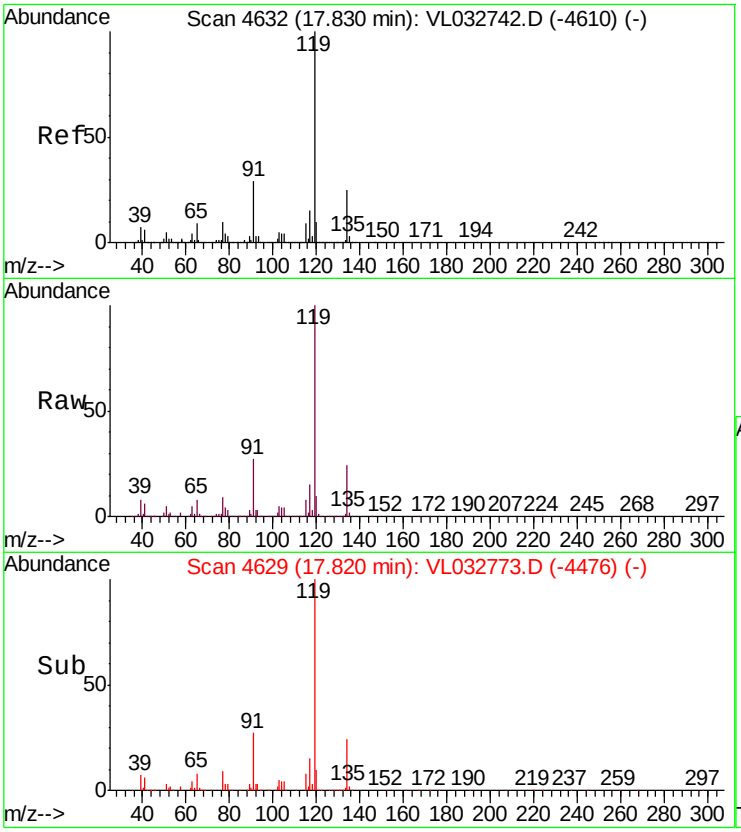


#68
1-Bromo-4-Fluorobenzene
Concen: 8.085 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 95 Resp: 2875137

Ion	Ratio	Lower	Upper
95	100		
174	62.9	50.7	76.1
175	4.7	3.8	5.6



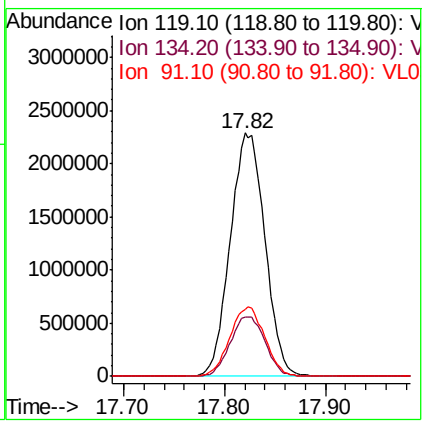


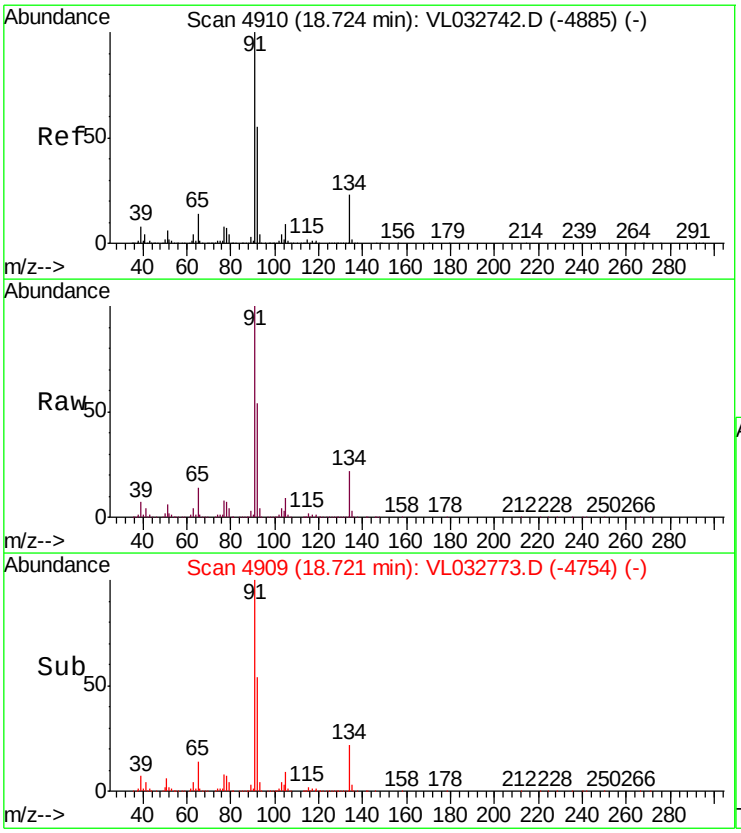
#69
p-Isopropyltoluene
Concen: 7.680 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. -0.01 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion:119 Resp: 5460866

Ion	Ratio	Lower	Upper
119	100		
134	24.9	20.2	30.4
91	28.7	23.5	35.3

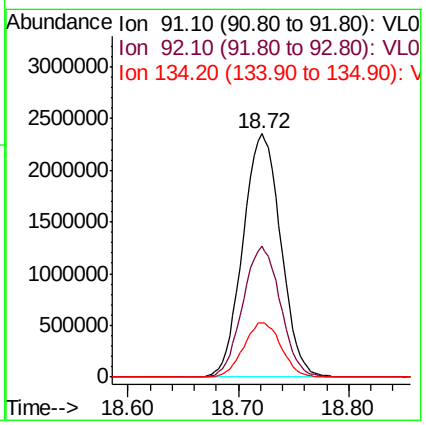


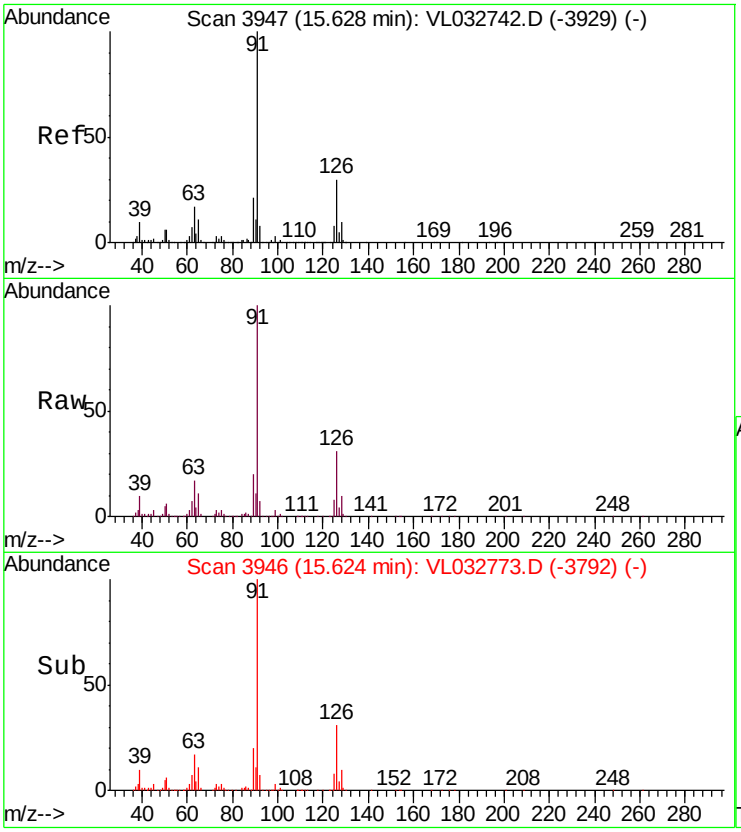


#70
n-Butylbenzene
Concen: 7.772 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion: 91 Resp: 5611709

Ion	Ratio	Lower	Upper
91	100		
92	53.4	42.9	64.3
134	22.3	17.8	26.8



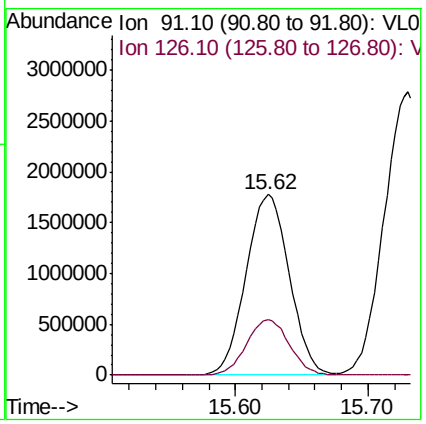


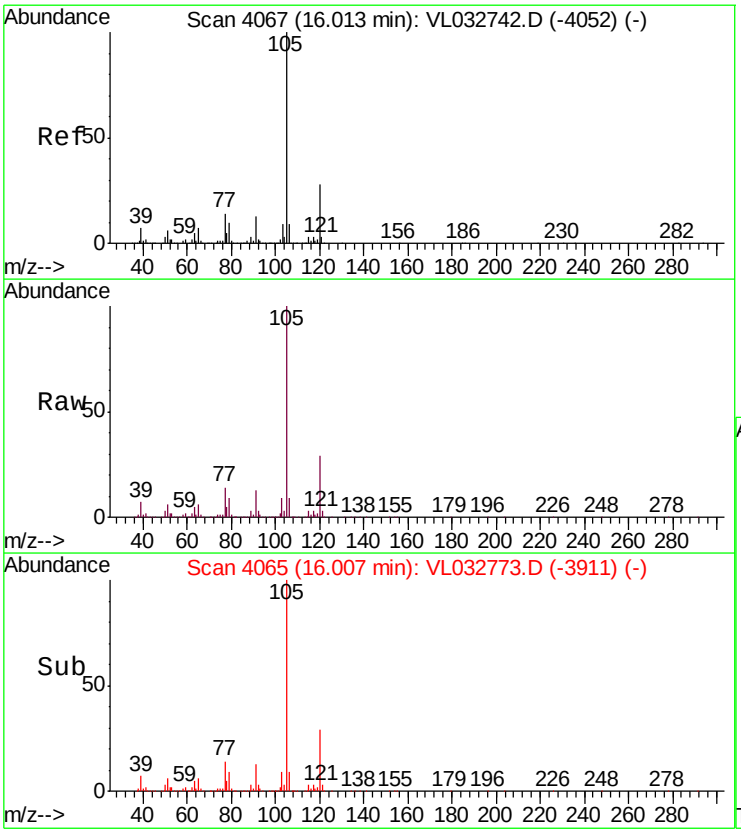
#71
2-Chlorotoluene
Concen: 7.840 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion: 91 Resp: 4047554

Ion	Ratio	Lower	Upper
91	100		
126	30.4	12.1	48.5

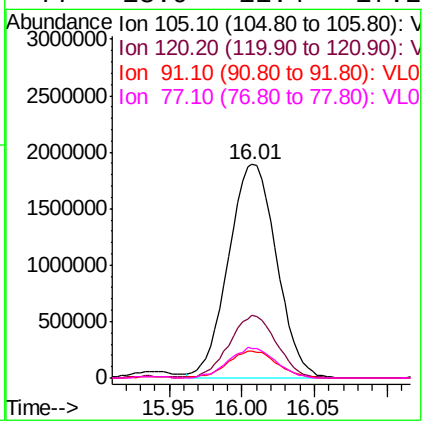


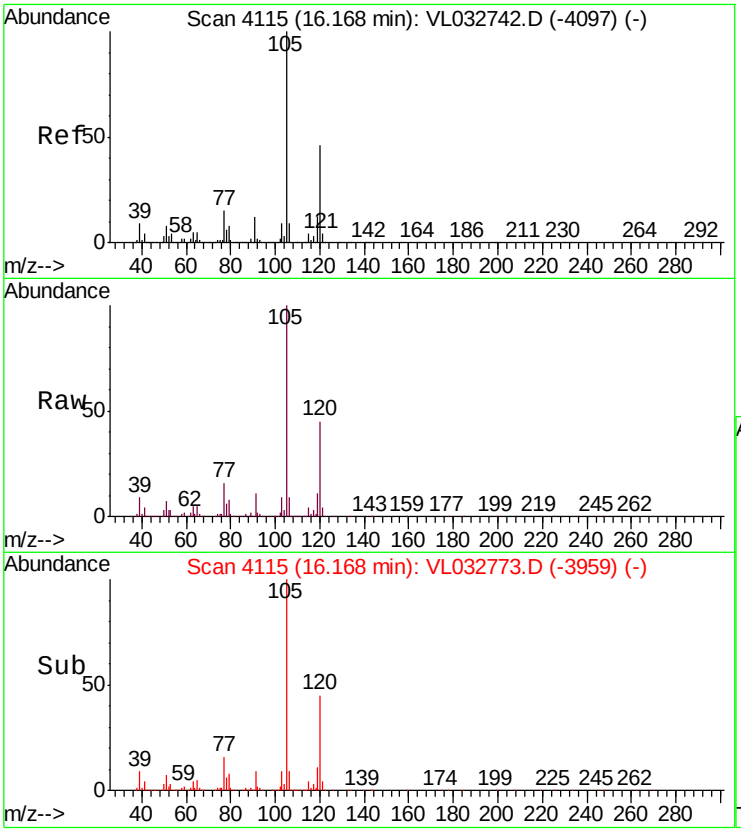


#72
4-Ethyltoluene
Concen: 7.746 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.01 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion:105 Resp: 4348220

Ion	Ratio	Lower	Upper
105	100		
120	29.1	22.9	34.3
91	12.9	10.6	15.8
77	13.9	11.4	17.2



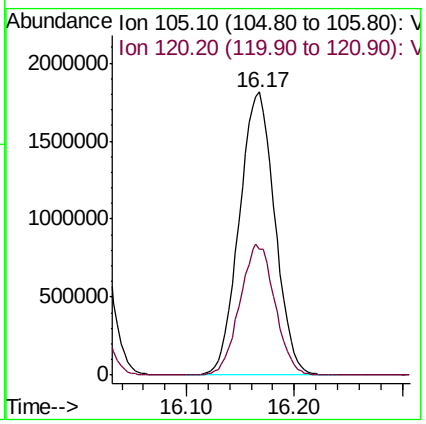


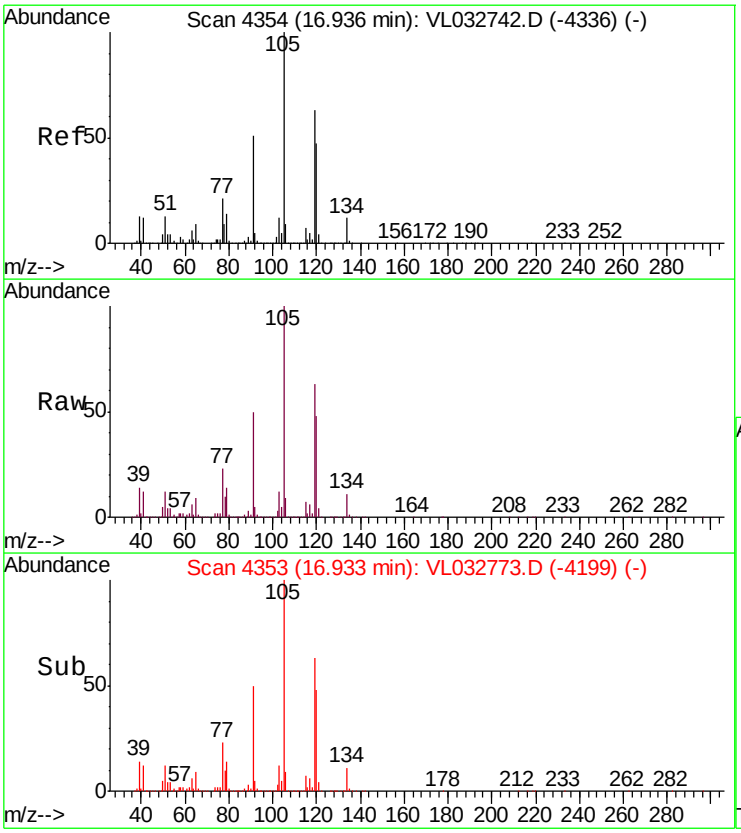
#73
1,3,5-Trimethylbenzene
Concen: 7.554 ppbv
RT: 16.17 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion:105 Resp: 4146164

Ion	Ratio	Lower	Upper
105	100		
120	44.6	36.6	55.0

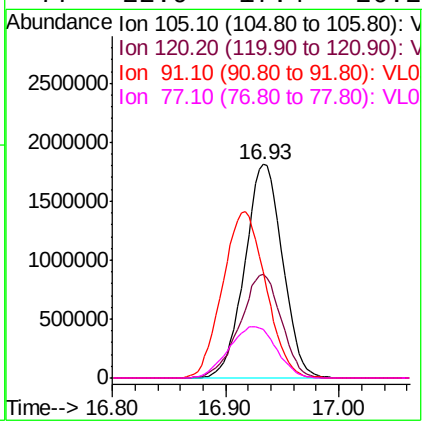


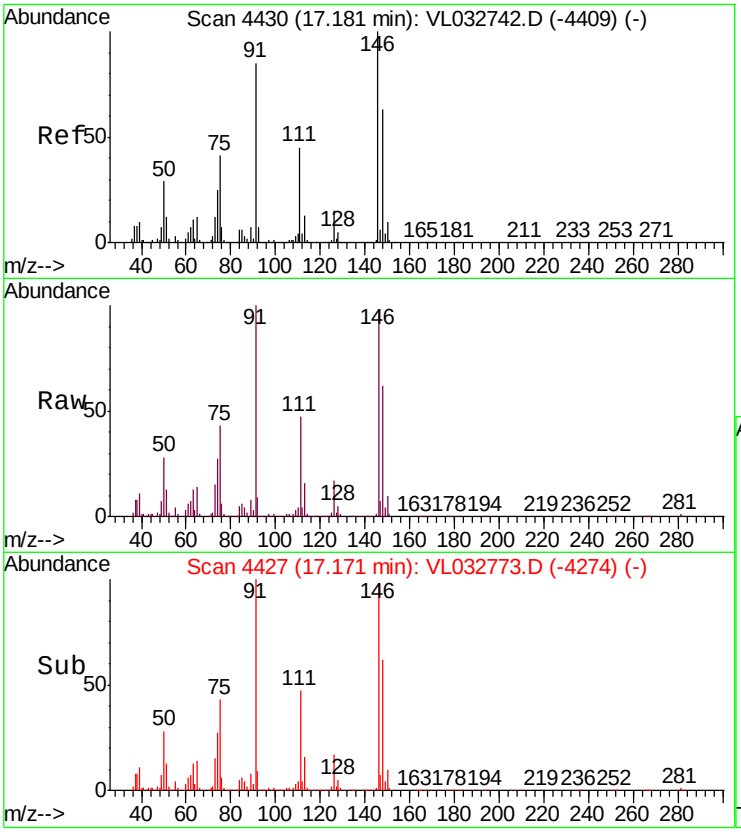


#74
1,2,4-Trimethylbenzene
Concen: 7.160 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion:105 Resp: 4205399

Ion	Ratio	Lower	Upper
105	100		
120	48.2	37.6	56.4
91	49.6	42.5	63.7
77	22.9	17.4	26.2



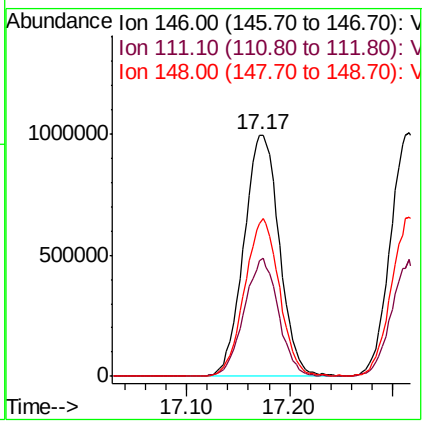


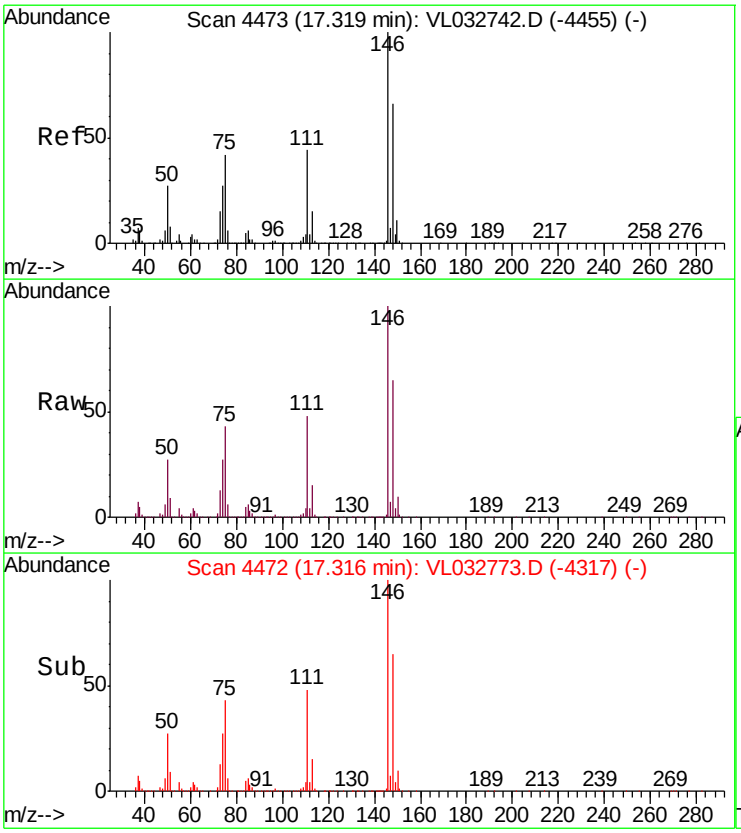
#75
1,3-Dichlorobenzene
Concen: 7.063 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. -0.01 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion:146 Resp: 2379654

Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.5	70.6
148	64.1	31.8	95.3

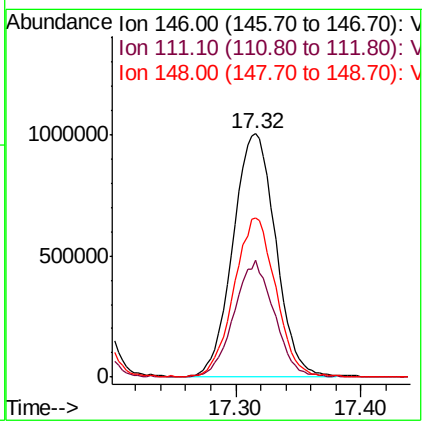


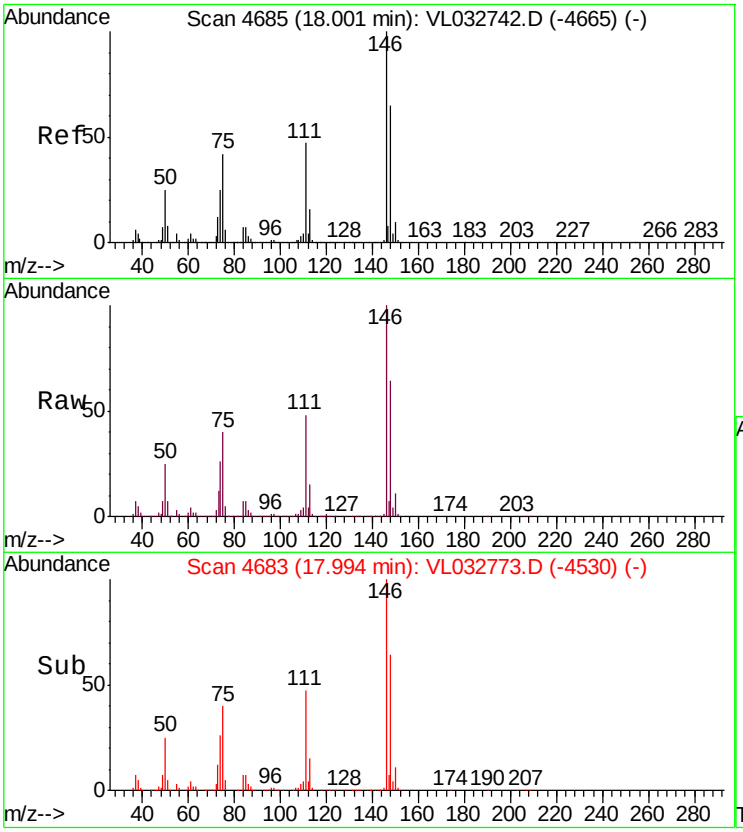


#76
1,4-Dichlorobenzene
Concen: 7.495 ppbv
RT: 17.32 min Scan# 4472
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion:146 Resp: 2358653

Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.5	67.5
148	64.7	32.5	97.5



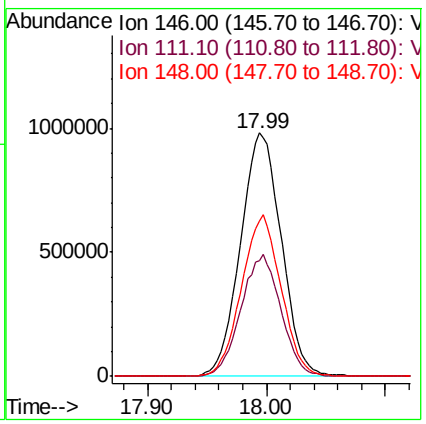


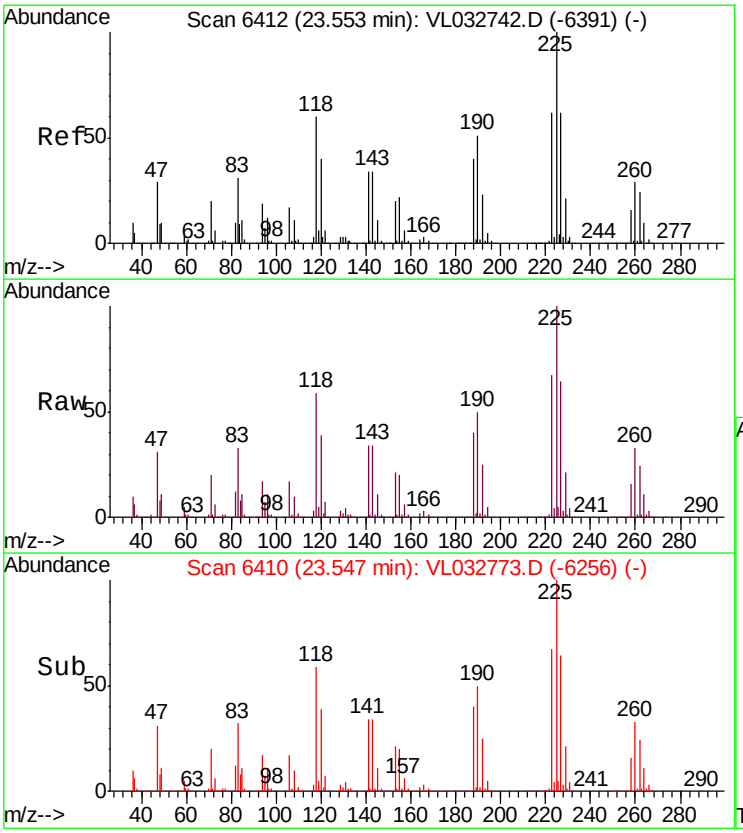
#77
1,2-Dichlorobenzene
Concen: 7.462 ppbv
RT: 17.99 min Scan# 4683
Delta R.T. -0.01 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument : MSVOA_L
ClientSampleId : VL1114ABS05

Tgt Ion:146 Resp: 2325741

Ion	Ratio	Lower	Upper
146	100		
111	49.1	24.4	73.2
148	64.4	32.2	96.6

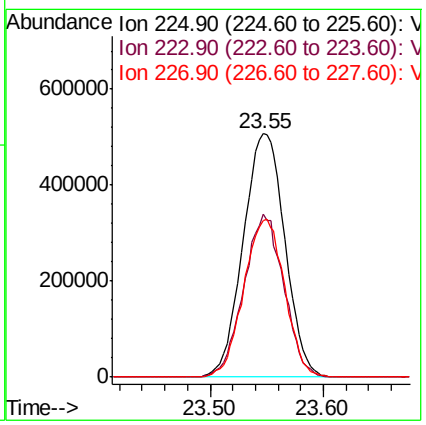


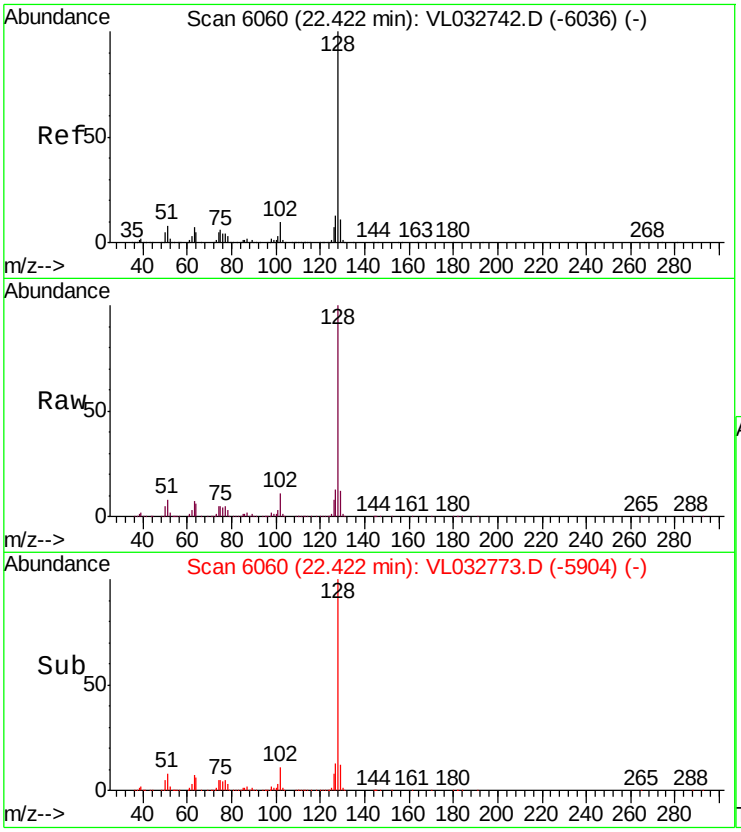


#78
Hexachloro-1,3-Butadiene
Concen: 7.719 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.01 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion:225 Resp: 1298418

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.3	75.5
227	63.7	50.2	75.4



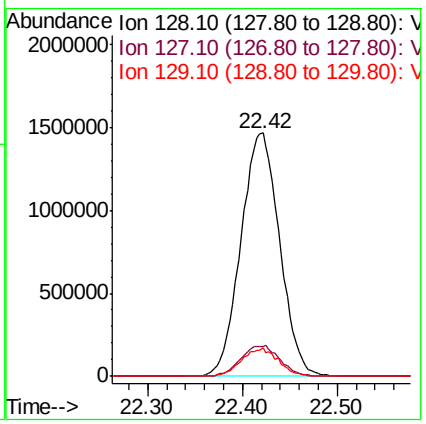


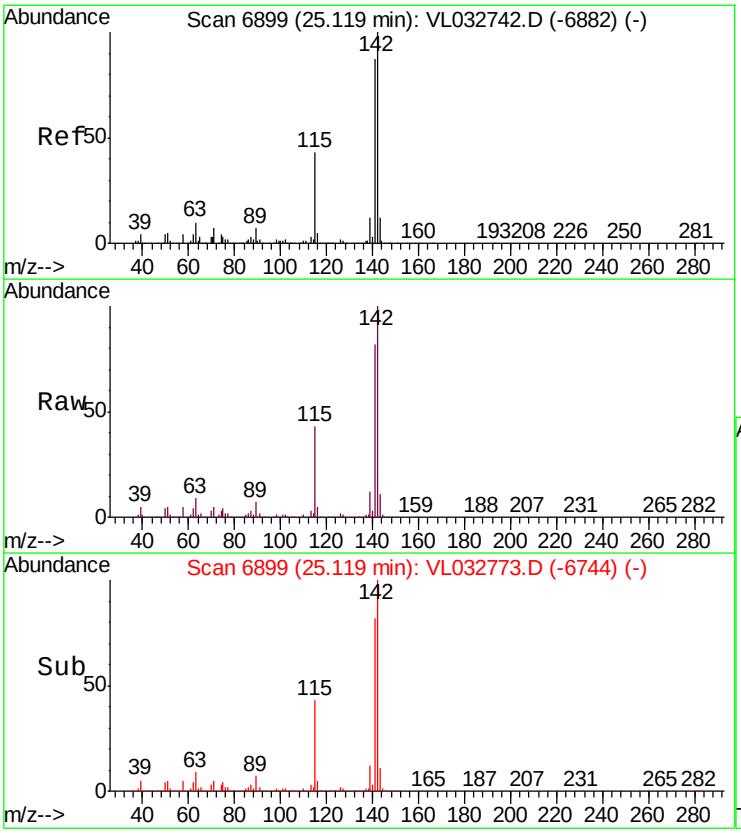
#79
Naphthalene
Concen: 10.799 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion:128 Resp: 4166509

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	11.6	8.9	13.3

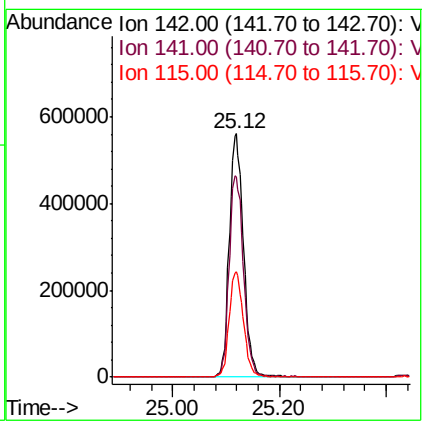


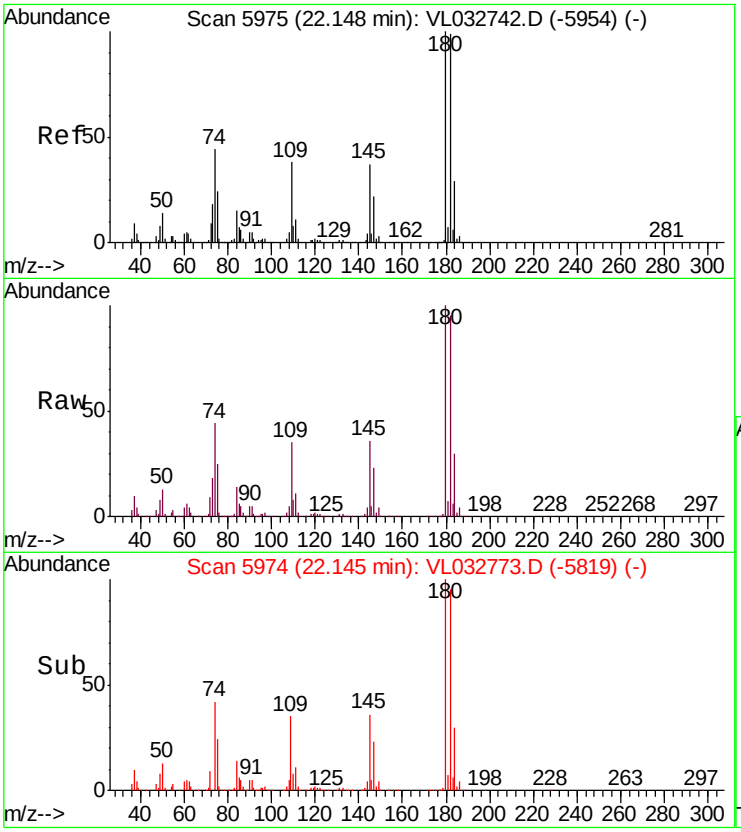


#80
Naphthalene,2-methyl-
Concen: 10.734 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Tgt Ion:142 Resp: 1037314

Ion	Ratio	Lower	Upper
142	100		
141	83.7	68.7	103.1
115	43.5	35.5	53.3





#81
1,2,4-Trichlorobenzene
Concen: 10.098 ppbv
RT: 22.15 min Scan# 5974
Delta R.T. -0.00 min
Lab File: VL032773.D
Acq: 15 Nov 2018 00:19

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS05

Tgt Ion:180 Resp: 1956584

Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.3	115.9
184	30.5	24.2	36.4