Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022820\

Quantitation Report (Not Reviewed)

Data File : VL034732.D
Acq On : 28 Feb 2020 9:16
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Mar 02 04:29:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1045736	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	2217916	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.12	117	2834166	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.46	95	1896212	8.16	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 81.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	1290111	7.820	ppbv		96
3) Chlorodifluoromethane	2.95	51	1164990	10.323	ppbv		97
4) Chloromethane	3.11	50	648519	10.266	ppbv		99
5) Vinyl Chloride	3.22	62	631171	10.184	ppbv		98
6) Bromomethane	3.44	94	371635	10.235	ppbv		97
7) Chloroethane	3.53	64	230424	10.015	ppbv		92
8) Dichlorotetrafluoroethane	3.15	85	1390701	9.531	ppbv		98
9) Propene	2.97	41	522234	11.070	ppbv		99
10) Heptane	8.14	43	1349060	11.110	ppbv		99
11) Trichlorofluoromethane	3.93	101	1414198	9.787	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	975210	9.575	ppbv		94
13) Ethanol	3.58	45	149498	10.032	ppbv		98
14) Bromoethene	3.71	108	432317	10.173	ppbv		99
15) Acetone	3.83	43	1137949	9.550	ppbv		98
16) 1,3-Butadiene	3.29	39	591009	10.714	ppbv		97
17) tert-Butyl alcohol	4.27	59	1183925	12.965	ppbv		99
18) 1,1-Dichloroethene	4.27	96	455534	9.962	ppbv		91
19) Isopropyl Alcohol	3.95	45	893307	12.586	ppbv	#	98
20) Methylene Chloride	4.32	84	399062	9.005	ppbv		97
21) Allyl Chloride	4.39	41	824697	10.460	ppbv		98
22) trans-1,2-Dichloroethene	4.87	96	455462	10.216	ppbv		92
23) Vinyl Acetate	5.06	43	1894666	11.695	ppbv		99
24) 1,1-Dichloroethane	5.00	63	1300876	10.055	ppbv		99
25) Ethyl Acetate	5.67	43	2277371	10.796	ppbv		100
26) Hexane	5.68	57	993808	10.222	ppbv		96
27) Carbon Disulfide	4.53	76	1192756	10.808	ppbv		98
28) Methyl tert-Butyl Ether	5.02	73	1574113	11.333	ppbv		100
29) Chloroform	5.75	83	1547180	9.988	ppbv		98
30) Cyclohexane	7.14	84	833131	11.057	ppbv		98
31) cis-1,2-Dichloroethene	5.55	61	1049710	10.971	ppbv		96
32) 1,1,1-Trichloroethane	6.51	97	1523467	10.532	ppbv		99
34) 2-Butanone	5.24	43	1514323	10.847	ppbv		99
35) Carbon Tetrachloride	7.03	117	1534075	10.328	ppbv		96
36) Benzene	6.90	78	2012592	10.506	ppbv		94
37) 1,2-Dichloroethane	6.31	62	1224797	10.143	ppbv		100
38) Trichloroethene	7.85	130	731050	9.901	ppbv		97
39) 1,2-Dichloropropane	7.63	63	812348	10.659	ppbv		97
40) 1,4-Dioxane	7.84	88	297321	11.472	ppbv	#	1
41) Tetrahydrofuran	6.04	42	855873	11.615	ppbv		99
42) Bromodichloromethane	7.81	83	1678019	10.614	ppbv		99
43) Methyl Methacrylate	8.03	69	934319	11.596	ppbv		99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022820\

Quantitation Report (Not Reviewed)

Data File : VL034732.D
Acq On : 28 Feb 2020 9:16
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Mar 02 04:29:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3470388	10.366	ppbv		98
45) t-1,3-Dichloropropene	9.30	75	1103462	12.550	ppbv		97
46) cis-1,3-Dichloropropene	8.73	75	1284249	12.179	ppbv		98
47) 1,1,2-Trichloroethane	9.50	97	828992	10.603	ppbv		97
48) Dibromochloromethane	10.33	129	1361760	11.201	ppbv		99
49) Bromoform	13.08	173	1195472	11.341	ppbv		99
50) 4-Methyl-2-Pentanone	8.76	43	2234748	11.302	ppbv		99
51) 2-Hexanone	10.16	43	1848770	11.881	ppbv	#	99
52) Tetrachloroethene	11.25	164	697788	9.938	ppbv		97
53) Toluene	9.83	91	2290364	11.241	ppbv		100
54) 1,2-Dibromoethane	10.64	107	1259125	10.795	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1005189	8.328	ppbv		98
57) Chlorobenzene	12.18	112	1676115	8.001	ppbv		98
58) Ethyl Benzene	12.75	91	3067553	8.946	ppbv		99
59) m/p-Xylene	13.03	91	2859842	9.562	ppbv	#	48
60) o-Xylene	13.73	91	2486113	8.377	ppbv		99
61) Styrene	13.56	104	1779480	9.334	ppbv		98
62) Isopropylbenzene	14.71	105	3665009	8.466	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1777805	7.686	ppbv		100
64) n-propylbenzene	15.60	120	935061	8.378	ppbv		91
65) tert-Butylbenzene	16.79	119	3137139	8.392	ppbv		99
66) Benzyl Chloride	17.03	91	1462055	10.485	ppbv		99
67) sec-Butylbenzene	17.34	105	4507720	8.380	ppbv		99
69) p-Isopropyltoluene	17.70	119	3734620	8.434	ppbv		99
70) n-Butylbenzene	18.59	91	4037003	8.372	ppbv		100
71) 2-Chlorotoluene	15.49	91	2871332	8.563	ppbv		100
72) 4-Ethyltoluene	15.88	105	2951733	8.936	ppbv		98
73) 1,3,5-Trimethylbenzene	16.04	105	2781756	8.754	ppbv		96
74) 1,2,4-Trimethylbenzene	16.81	105	2839675	8.092	ppbv		94
75) 1,3-Dichlorobenzene	17.05	146	1620927	8.002	ppbv		99
76) 1,4-Dichlorobenzene	17.18	146	1598785	7.889	ppbv		96
77) 1,2-Dichlorobenzene	17.87	146	1577415	8.054	ppbv		100
78) Hexachloro-1,3-Butadiene	23.43	225	1393752	8.173	ppbv		99
79) Naphthalene	22.27	128	2723500	8.819	ppbv		100
80) Naphthalene,2-methyl-	25.02	142	1265012	13.280	ppbv		94
81) 1,2,4-Trichlorobenzene	22.00	180	1542831	8.370	ppbv		99

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

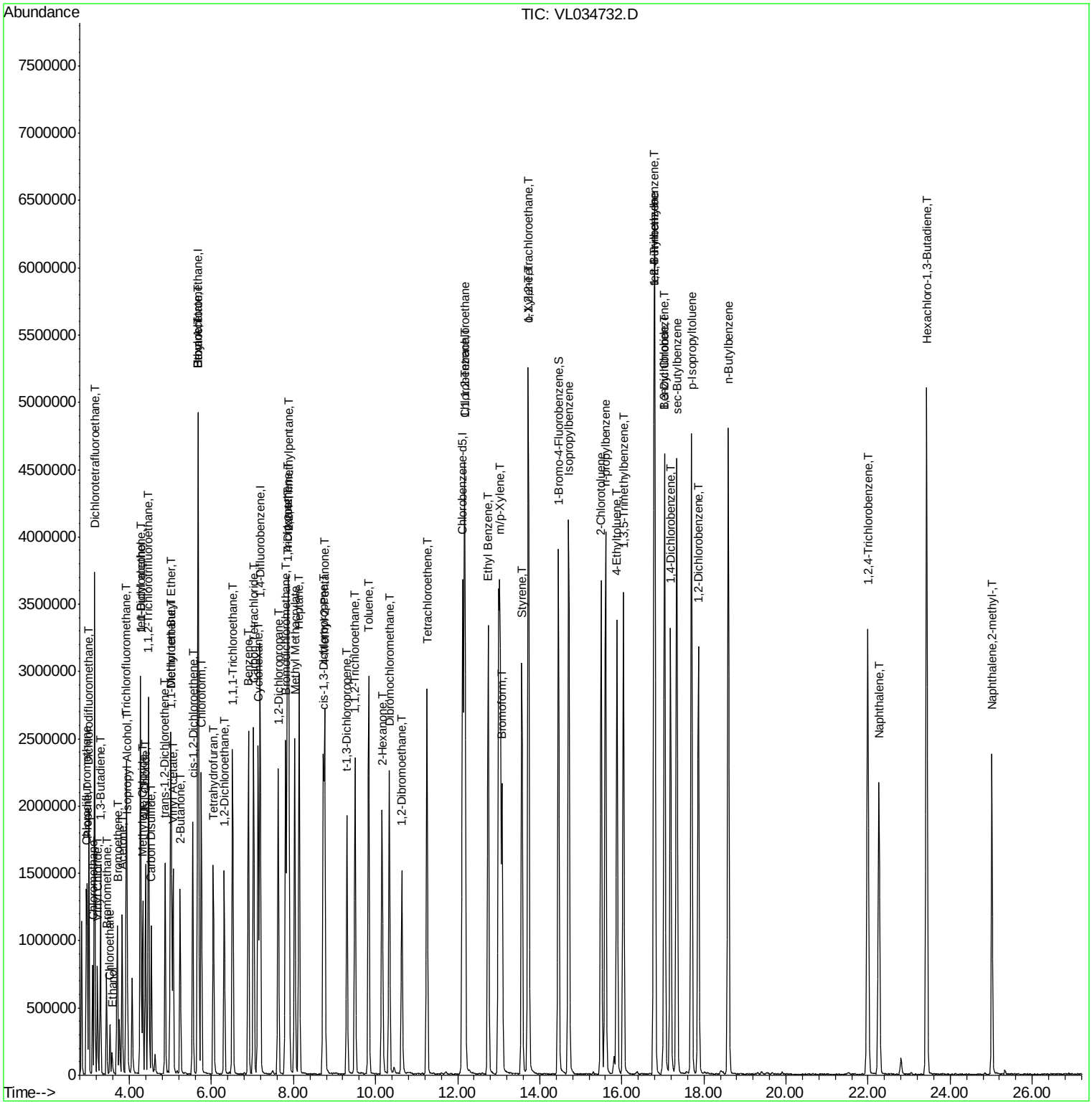
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022820\

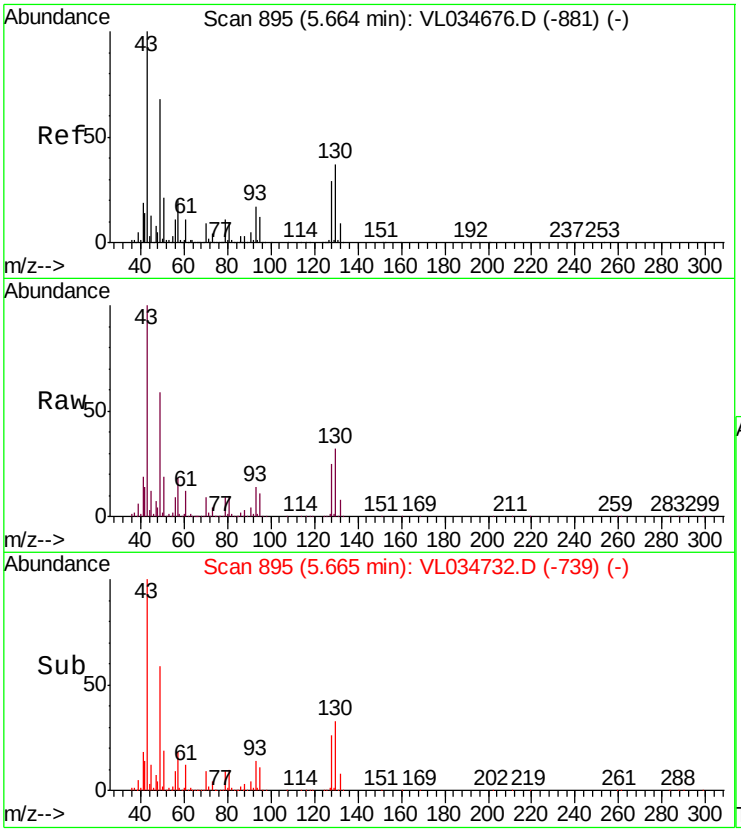
Quantitation Report (Not Reviewed)

Data File : VL034732.D
Acq On : 28 Feb 2020 9:16
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Mar 02 04:29:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration



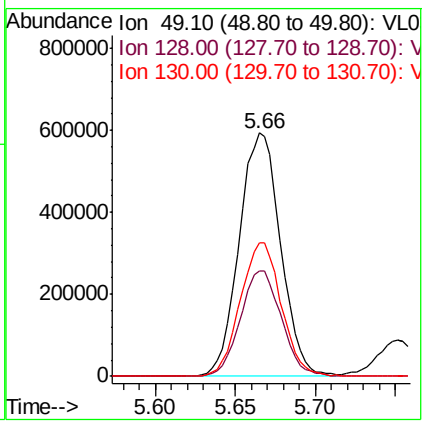


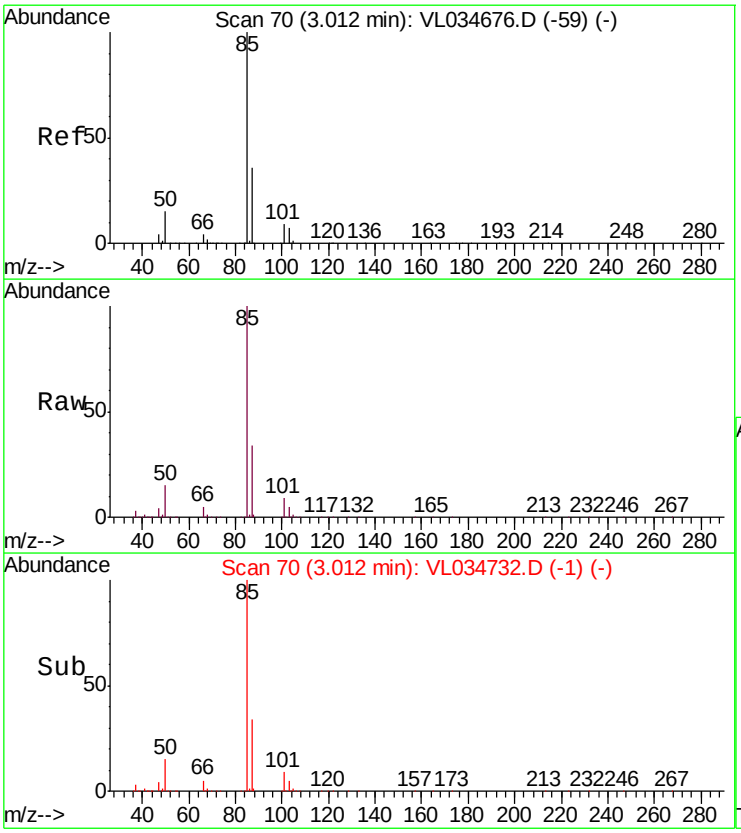
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1045736

Ion	Ratio	Lower	Upper
49	100		
128	42.9	21.6	65.0
130	54.6	27.7	83.1

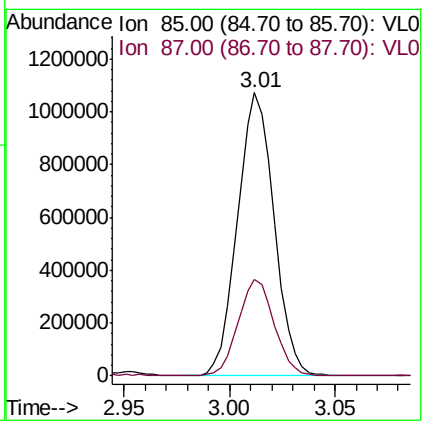


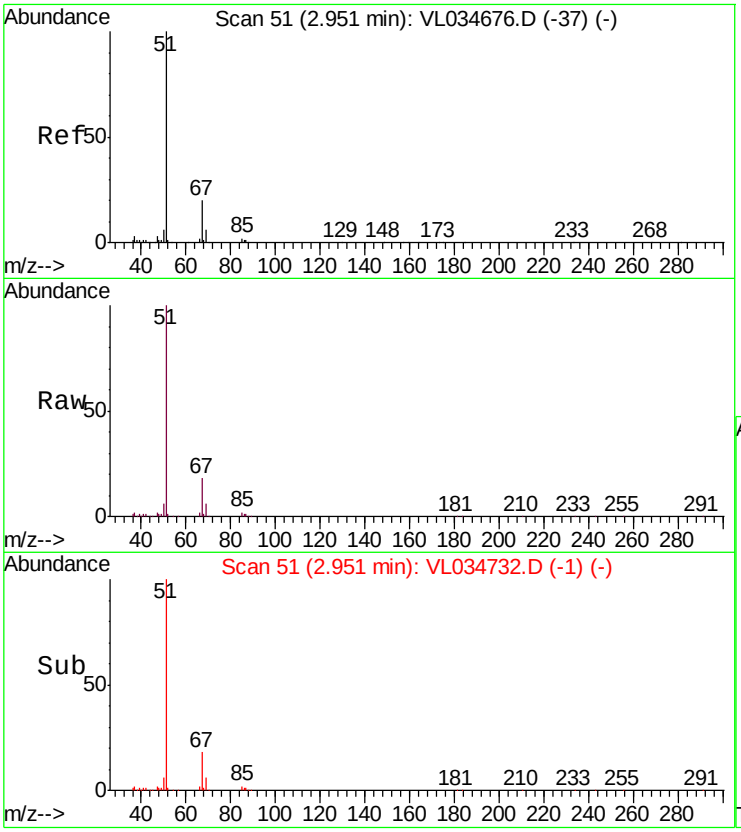


#2
Dichlorodifluoromethane
Concen: 7.820 ppbv
RT: 3.01 min Scan# 70
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 85 Resp: 1290111

Ion	Ratio	Lower	Upper
85	100		
87	34.0	29.2	43.8



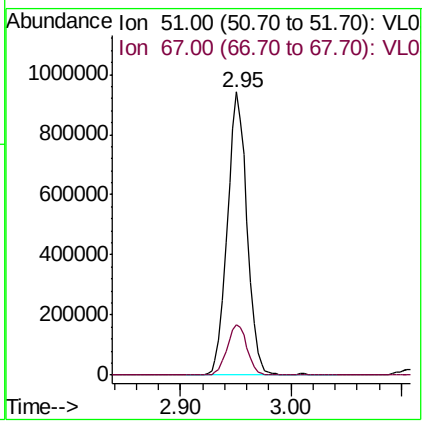


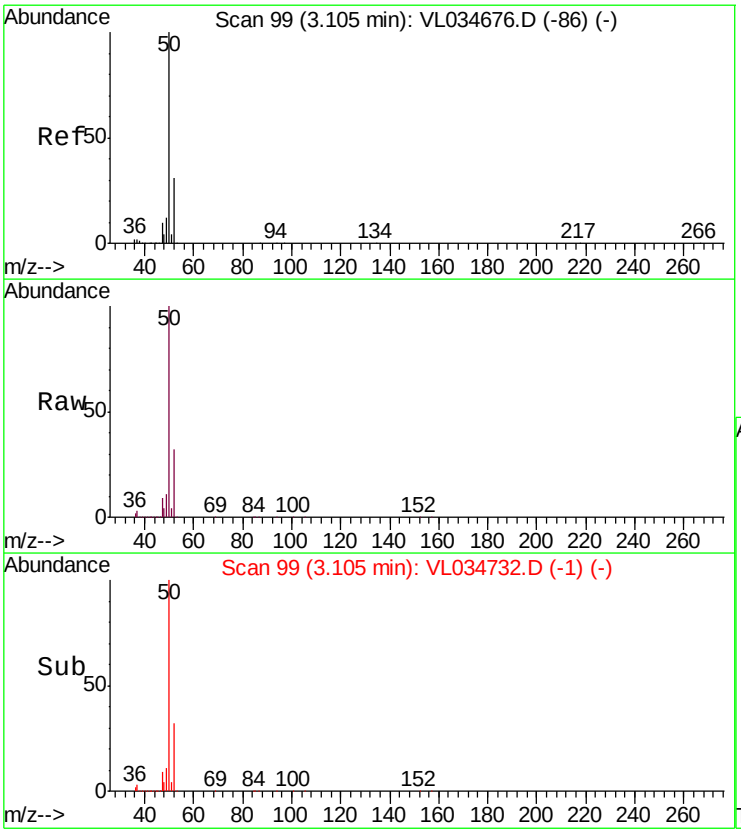
#3
Chlorodifluoromethane
Concen: 10.323 ppbv
RT: 2.95 min Scan# 51
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 51 Resp: 1164990

Ion	Ratio	Lower	Upper
51	100		
67	18.2	15.5	23.3

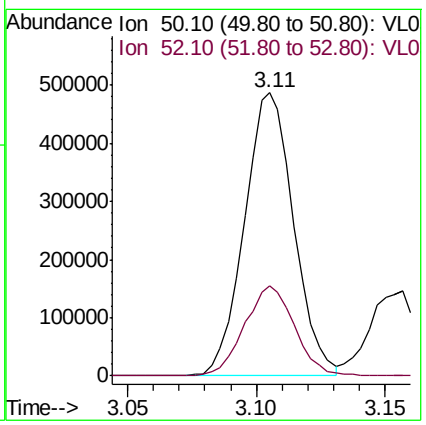


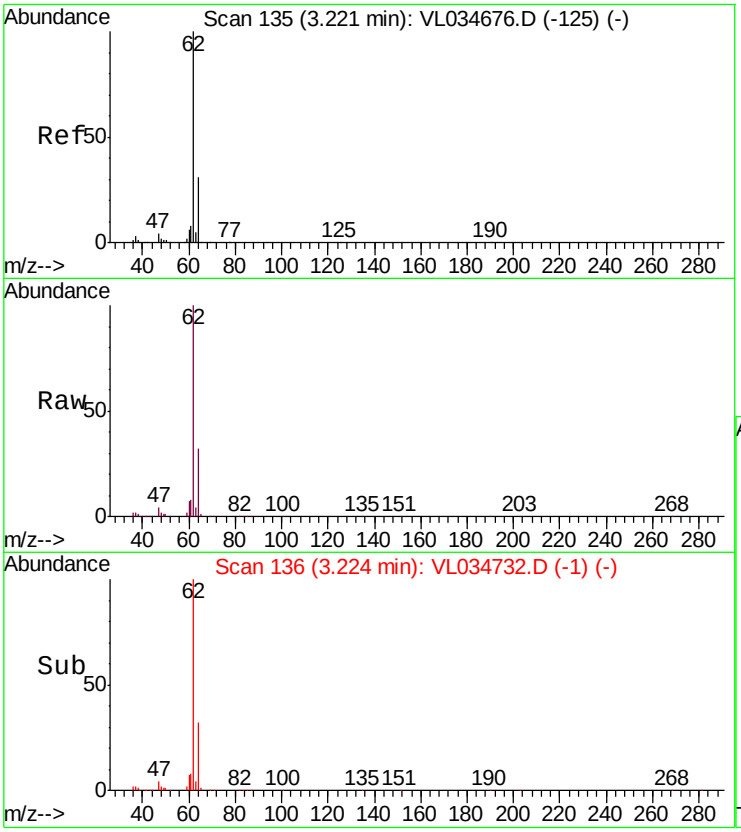


#4
Chloromethane
Concen: 10.266 ppbv
RT: 3.11 min Scan# 99
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 50 Resp: 648519

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.0	37.4



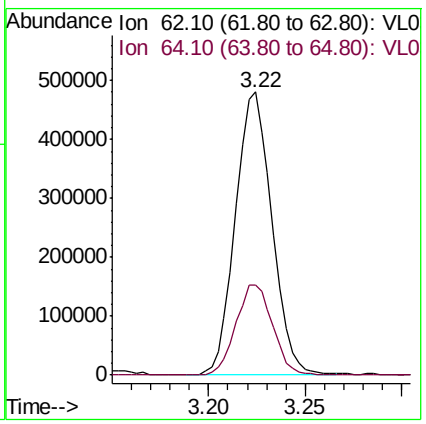


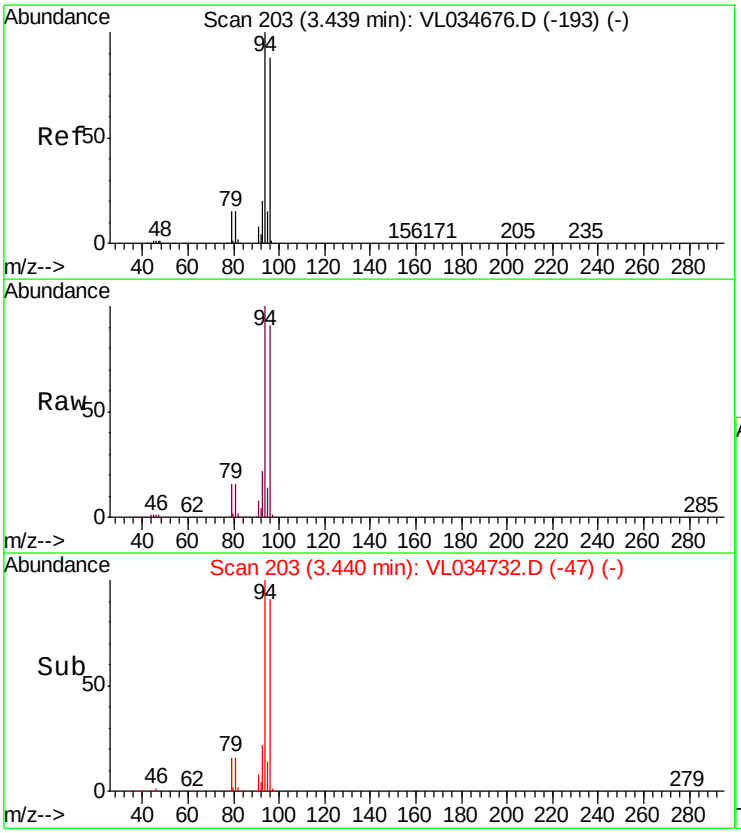
#5
Vinyl Chloride
Concen: 10.184 ppbv
RT: 3.22 min Scan# 136
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 631171

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.7	37.1

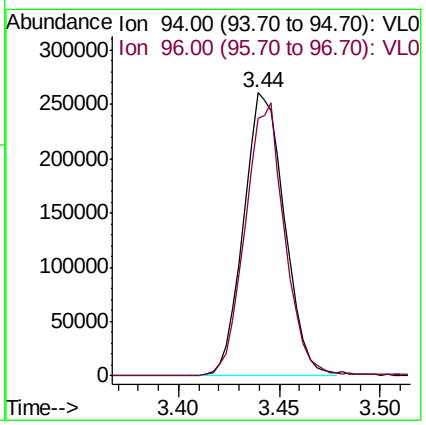


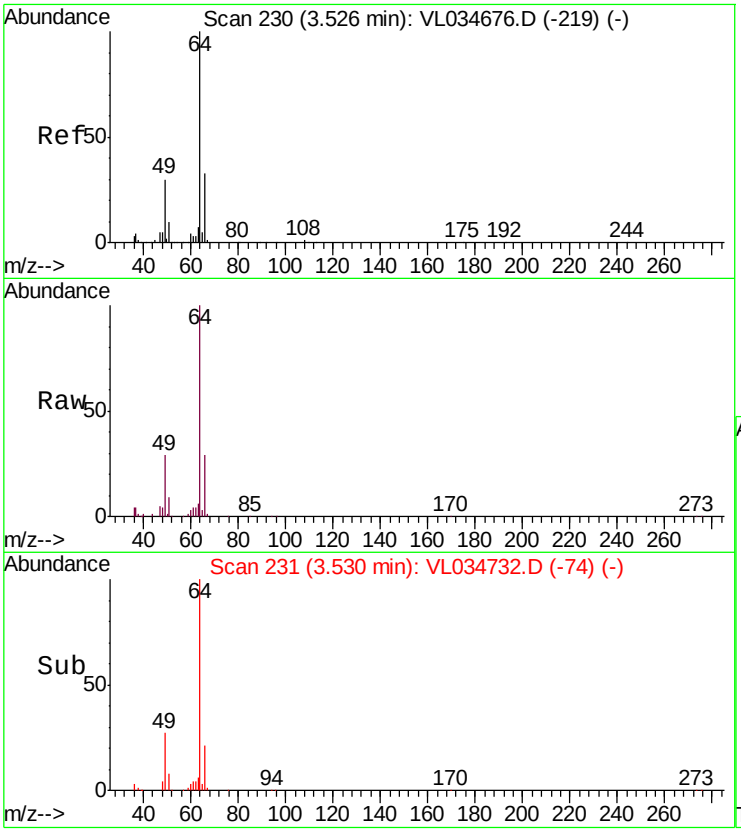


#6
Bromomethane
Concen: 10.235 ppbv
RT: 3.44 min Scan# 203
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 94 Resp: 371635

Ion	Ratio	Lower	Upper
94	100		
96	91.0	70.5	105.7



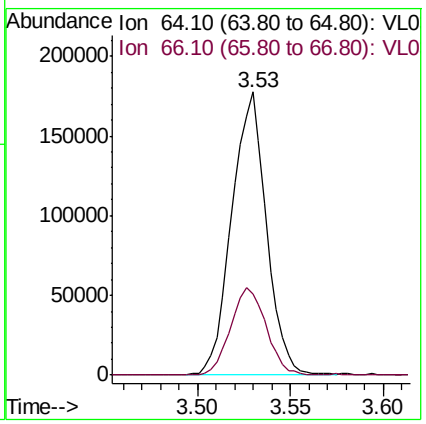


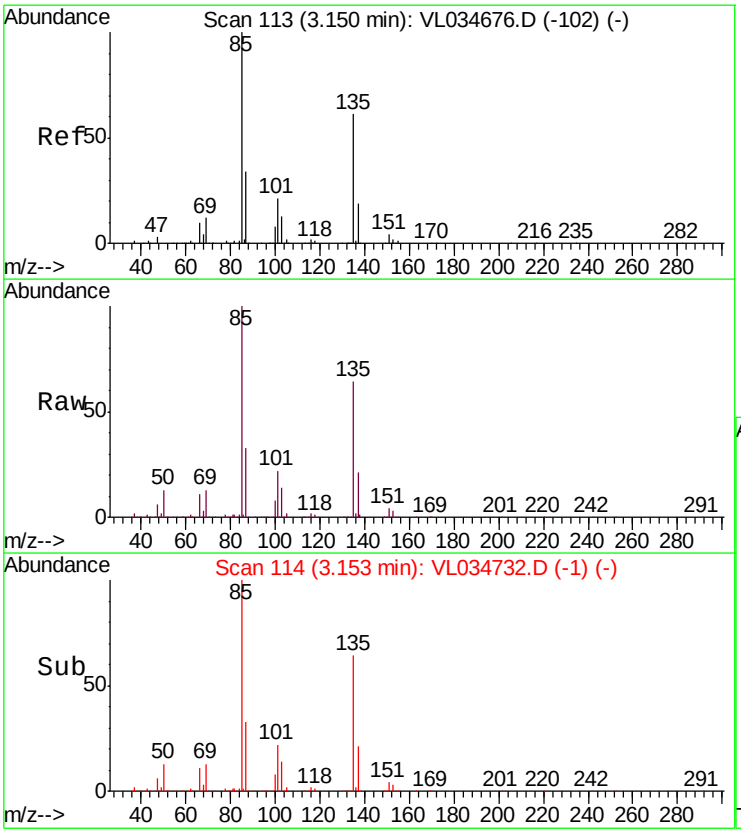
#7
Chloroethane
Concen: 10.015 ppbv
RT: 3.53 min Scan# 231
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 64 Resp: 230424

Ion	Ratio	Lower	Upper
64	100		
66	28.7	26.7	40.1

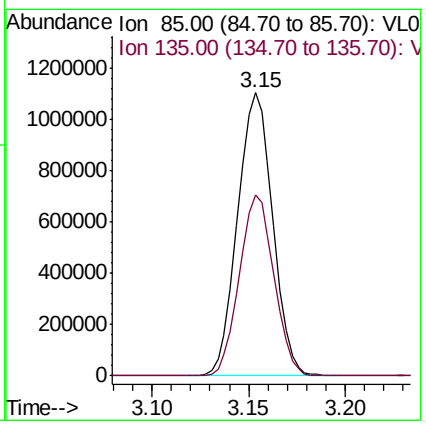


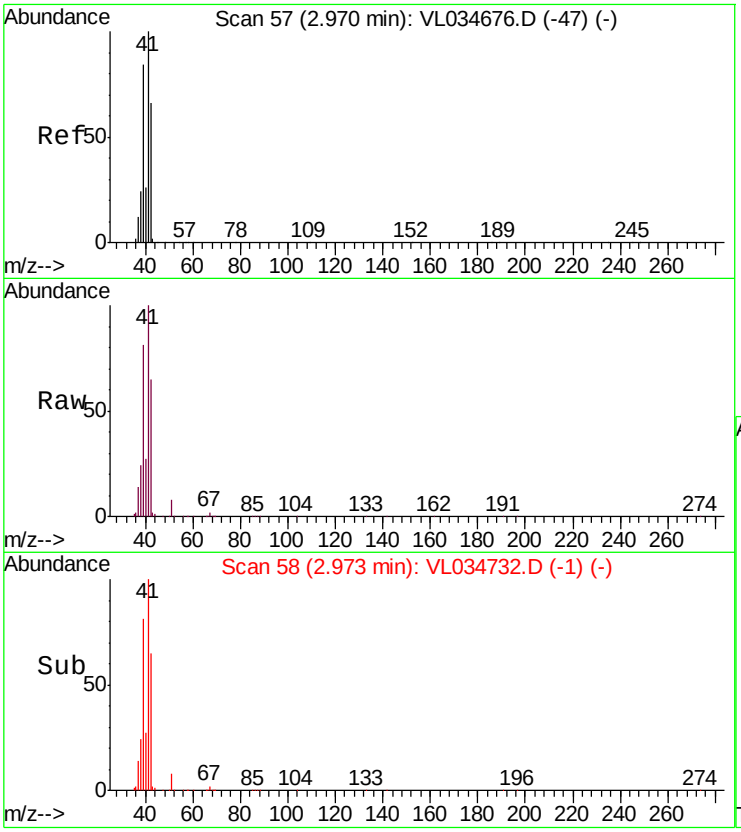


#8
Dichlorotetrafluoroethane
Concen: 9.531 ppbv
RT: 3.15 min Scan# 114
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 85 Resp: 1390701

Ion	Ratio	Lower	Upper
85	100		
135	63.5	49.8	74.6



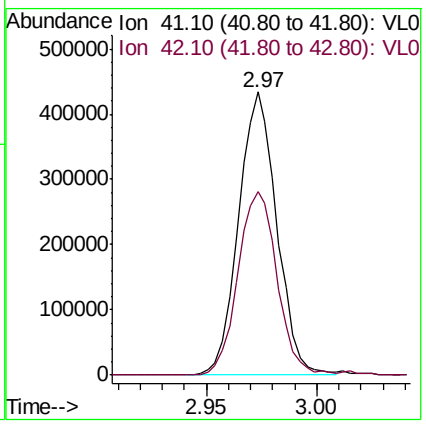


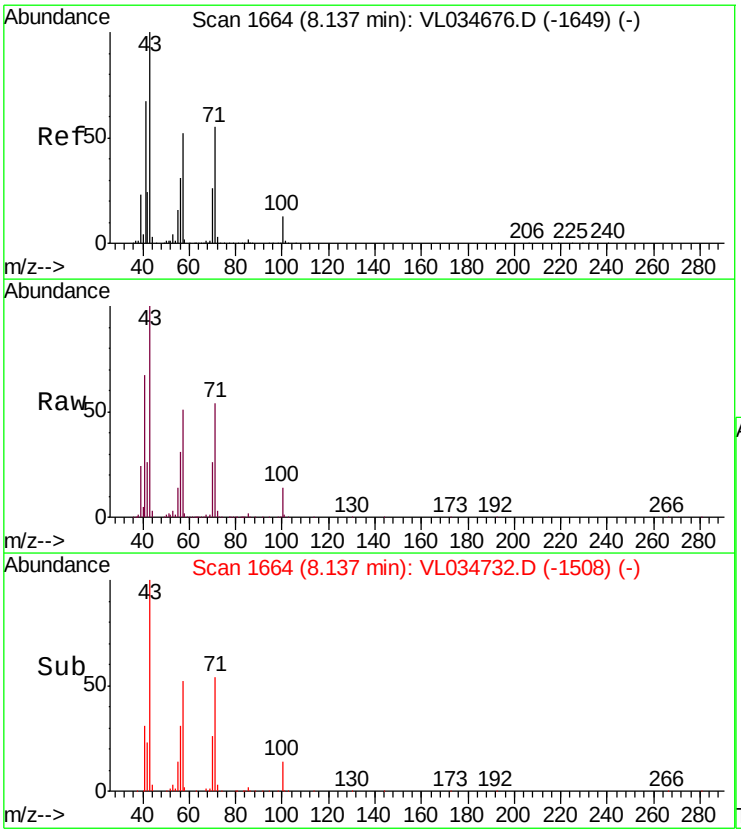
#9
Propene
Concen: 11.070 ppbv
RT: 2.97 min Scan# 58
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 522234

Ion	Ratio	Lower	Upper
41	100		
42	67.7	54.9	82.3

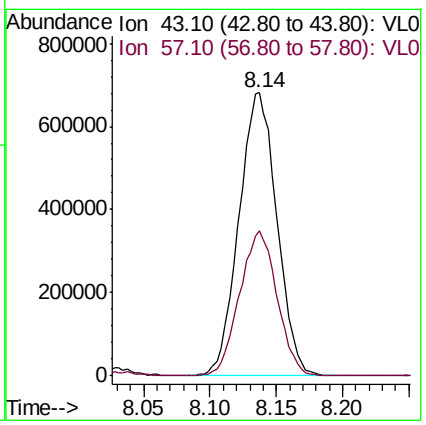


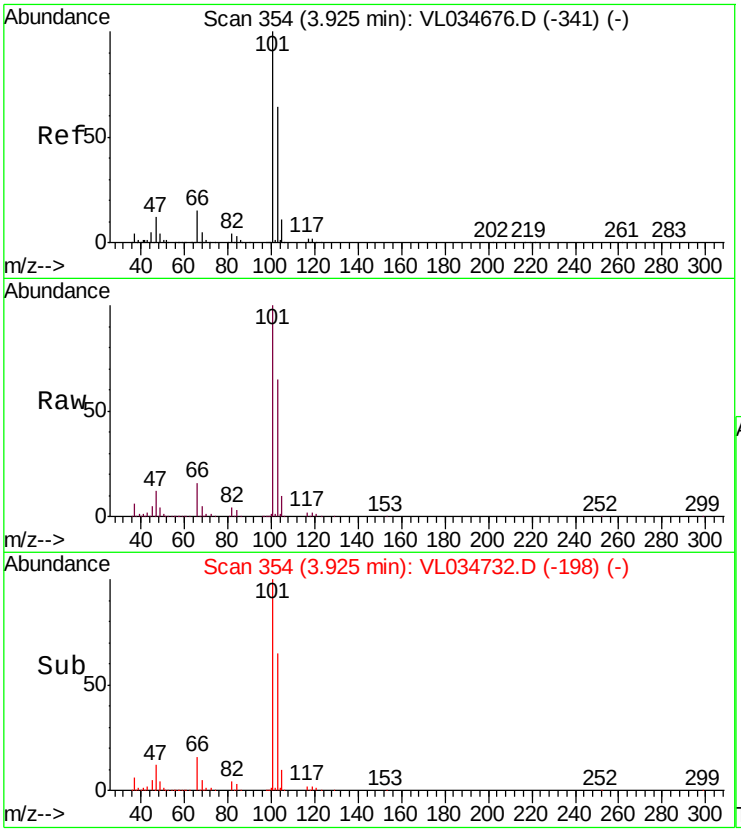


#10
Heptane
Concen: 11.110 ppbv
RT: 8.14 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 43 Resp: 1349060

Ion	Ratio	Lower	Upper
43	100		
57	50.8	41.0	61.6



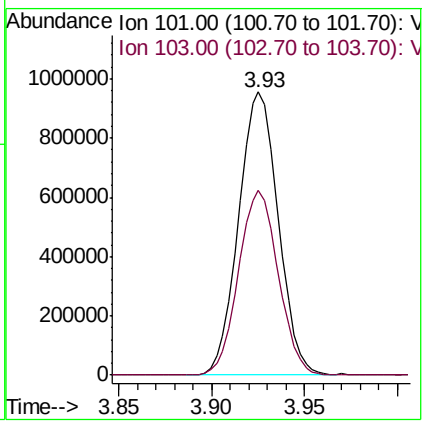


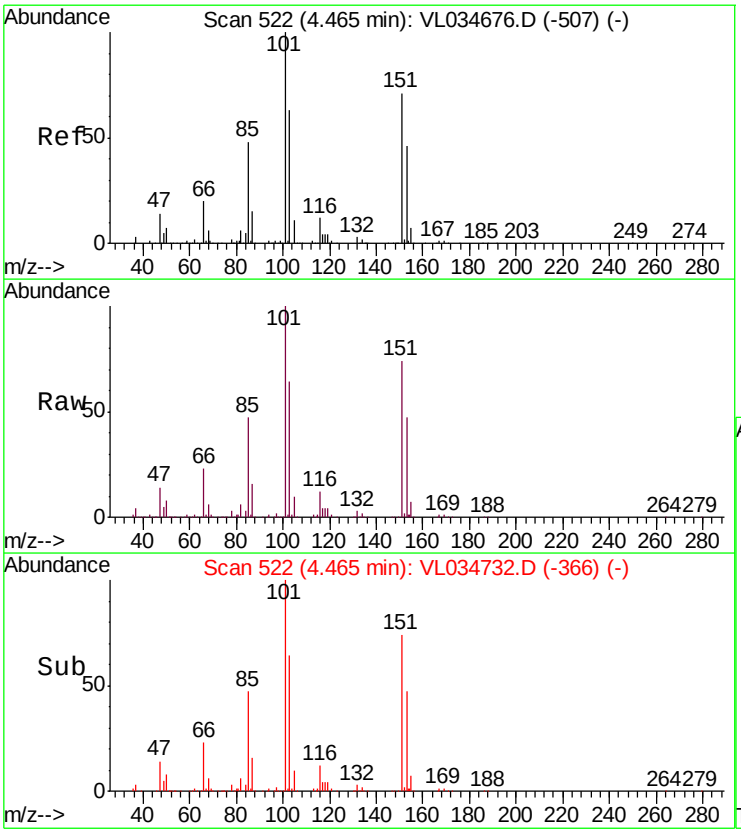
#11
Trichlorofluoromethane
Concen: 9.787 ppbv
RT: 3.93 min Scan# 354
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:101 Resp: 1414198

Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.2	76.8

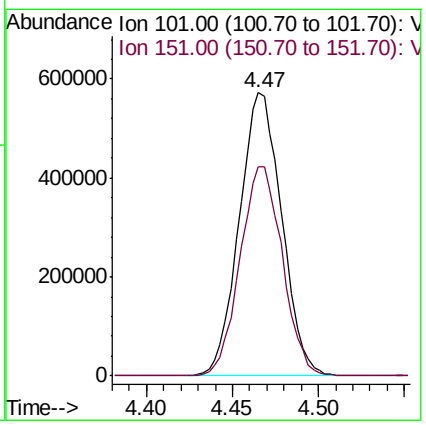


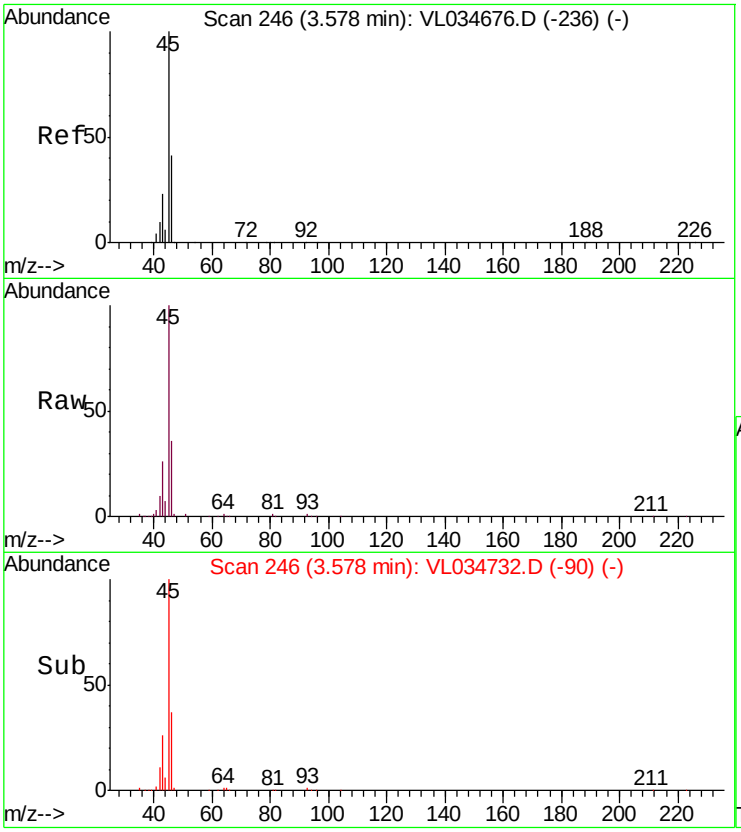


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.575 ppbv
RT: 4.47 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion:101 Resp: 975210

Ion	Ratio	Lower	Upper
101	100		
151	74.2	55.8	83.6



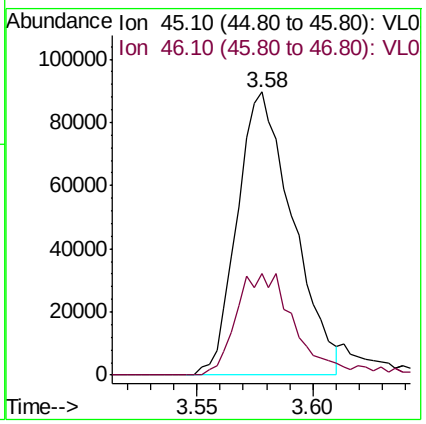


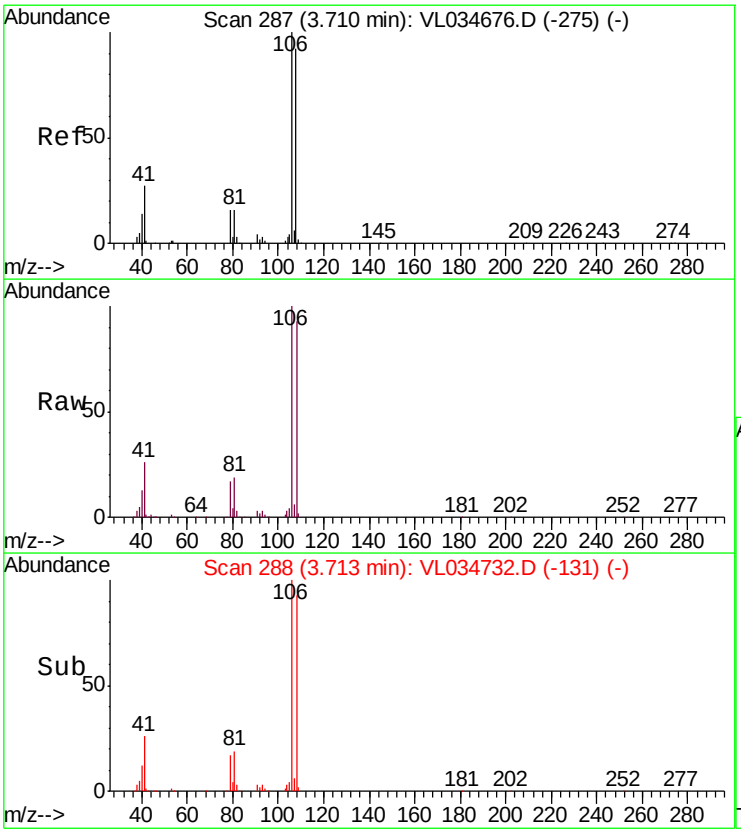
#13
Ethanol
Concen: 10.032 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 149498

Ion	Ratio	Lower	Upper
45	100		
46	39.9	15.4	61.4

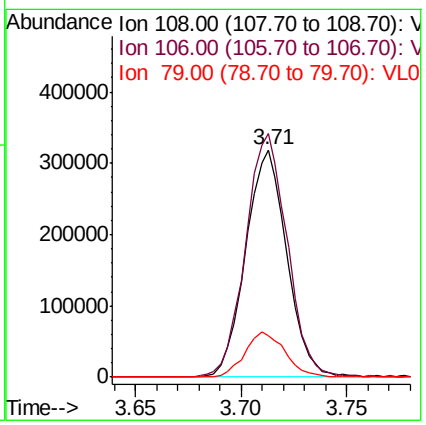


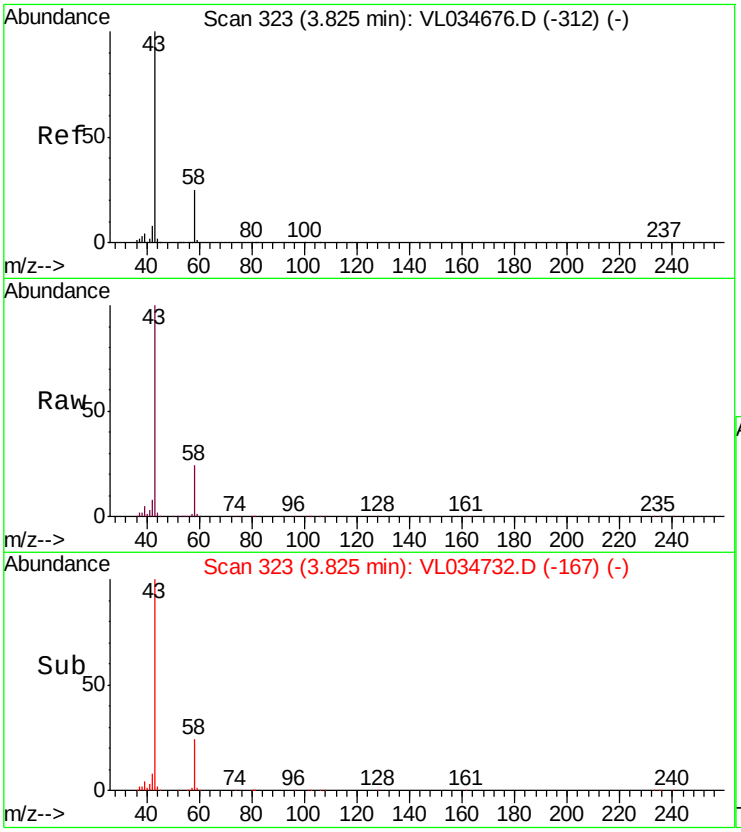


#14
Bromoethene
Concen: 10.173 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion:108 Resp: 432317

Ion	Ratio	Lower	Upper
108	100		
106	108.9	86.7	130.1
79	19.7	15.0	22.6



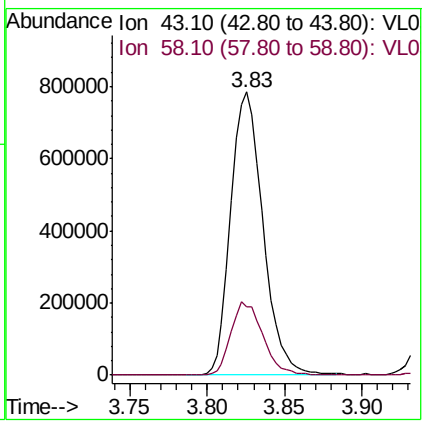


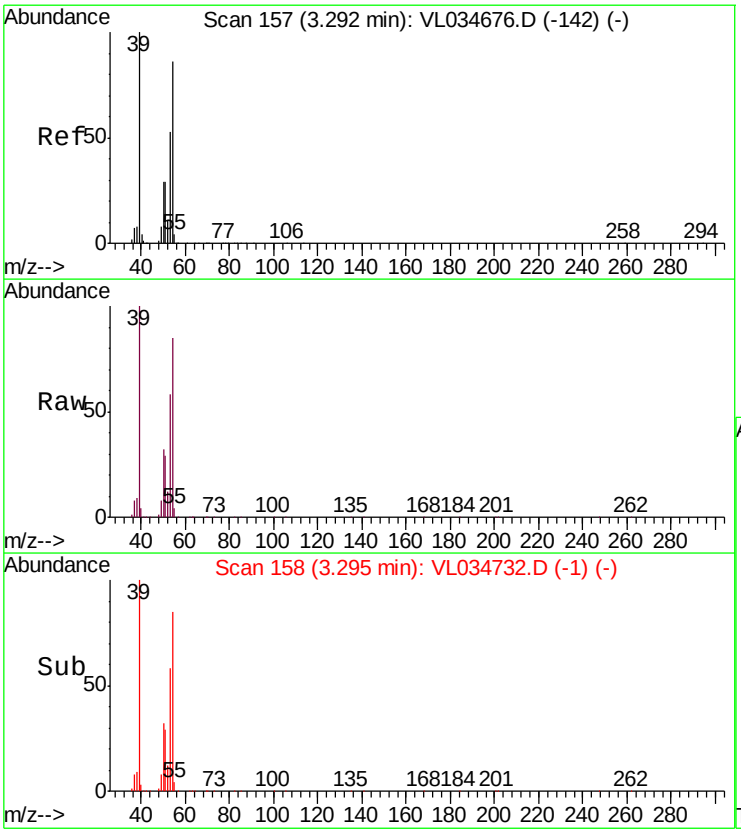
#15
Acetone
Concen: 9.550 ppbv
RT: 3.83 min Scan# 323
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1137949

Ion	Ratio	Lower	Upper
43	100		
58	25.7	21.4	32.0

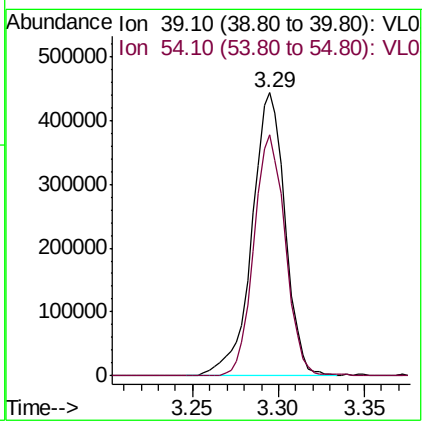


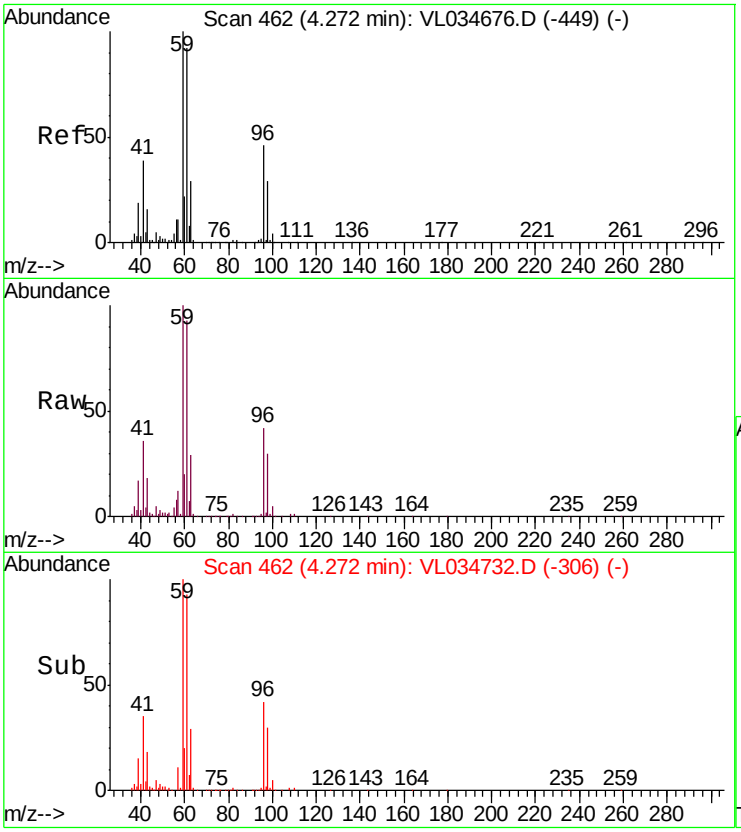


#16
1,3-Butadiene
Concen: 10.714 ppbv
RT: 3.29 min Scan# 158
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 39 Resp: 591009

Ion	Ratio	Lower	Upper
39	100		
54	81.1	67.0	100.6



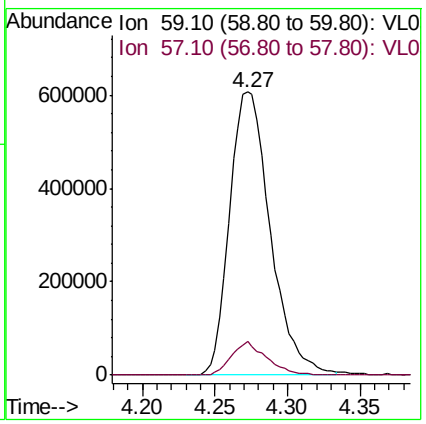


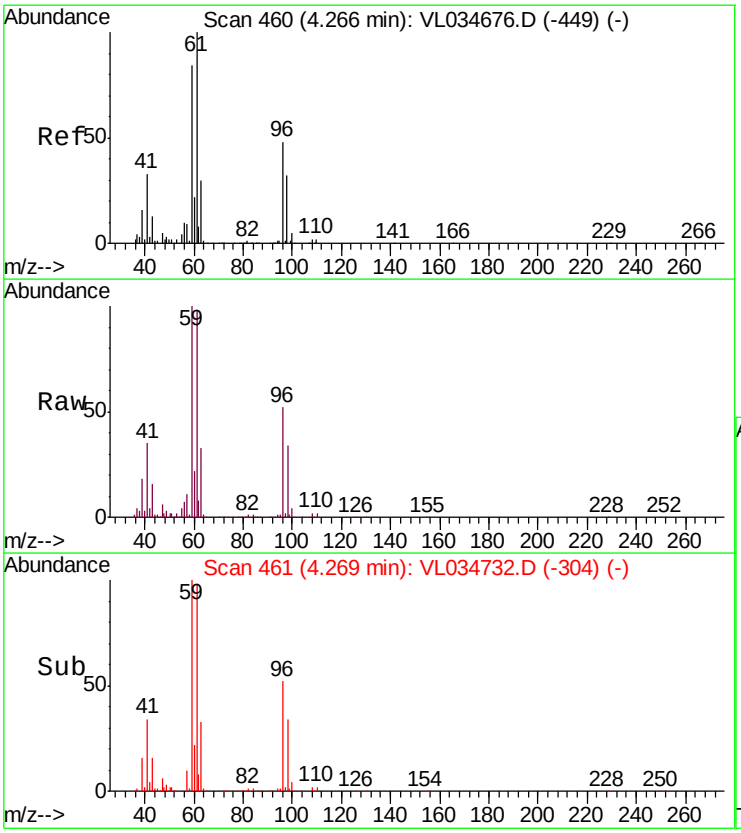
#17
tert-Butyl alcohol
Concen: 12.965 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1183925

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.8	13.2

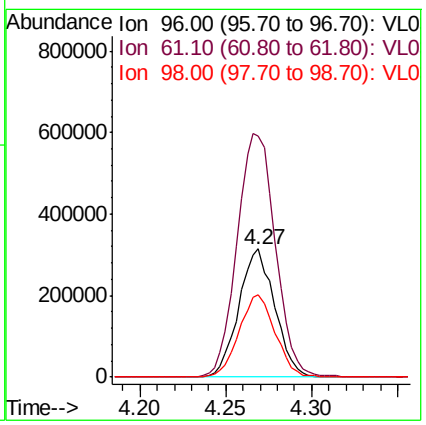


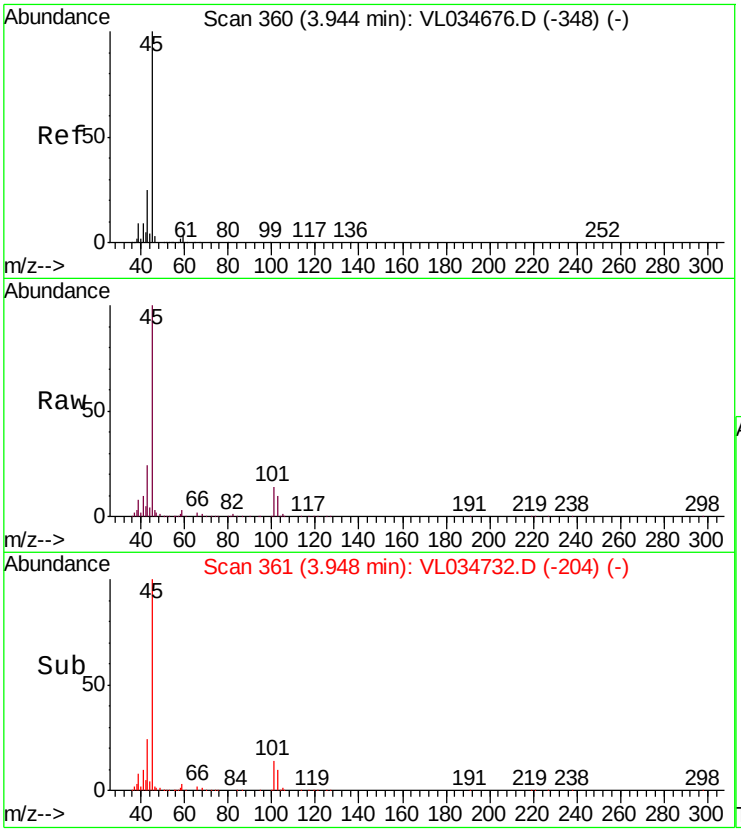


#18
1,1-Dichloroethene
Concen: 9.962 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 96 Resp: 455534

Ion	Ratio	Lower	Upper
96	100		
61	188.6	165.1	247.7
98	64.6	52.7	79.1



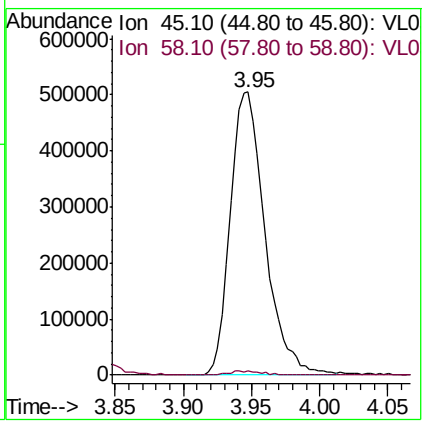


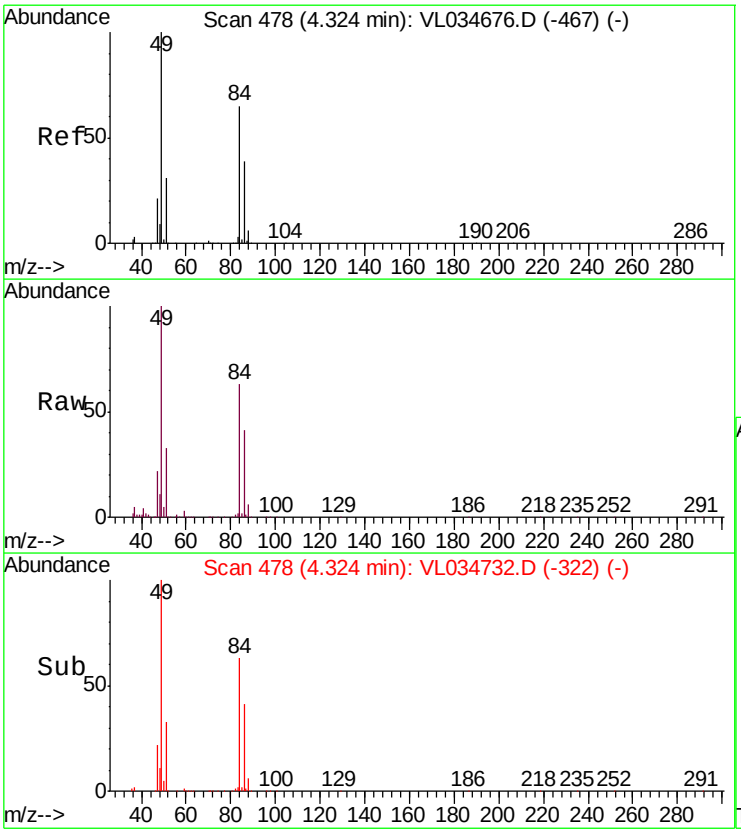
#19
Isopropyl Alcohol
Concen: 12.586 ppbv
RT: 3.95 min Scan# 361
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 893307

Ion	Ratio	Lower	Upper
45	100		
58	1.6	1.8	2.6#

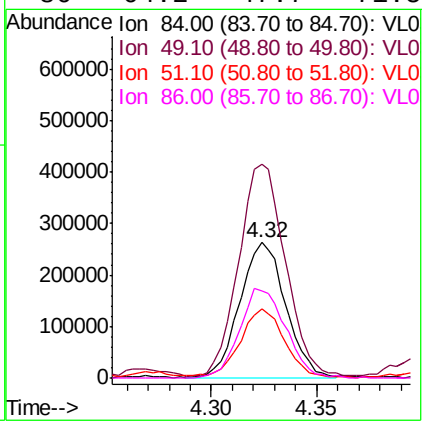


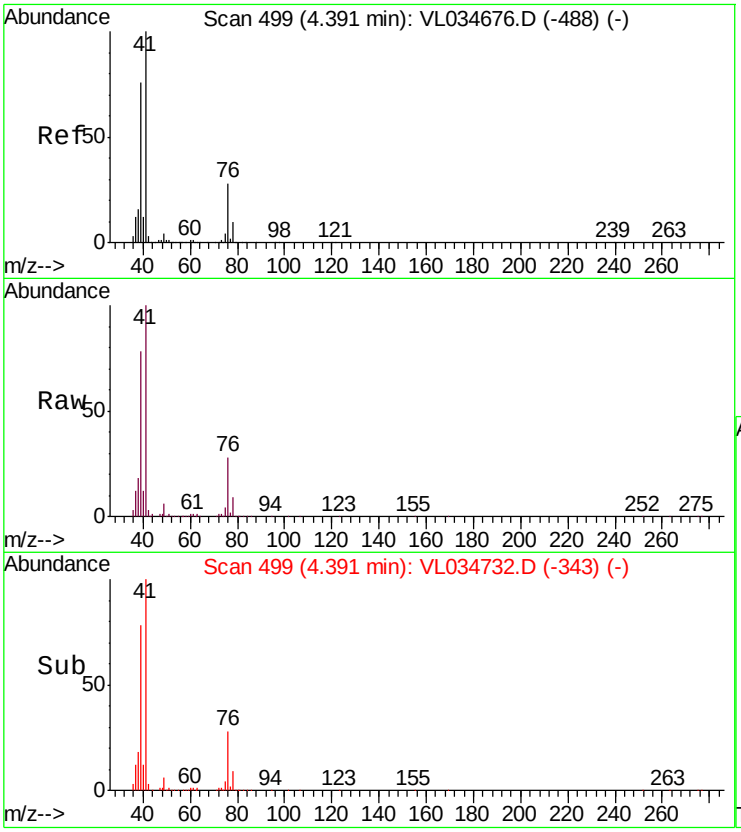


#20
Methylene Chloride
Concen: 9.005 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 84 Resp: 399062

Ion	Ratio	Lower	Upper
84	100		
49	156.3	122.8	184.2
51	50.8	38.6	58.0
86	64.2	47.7	71.5



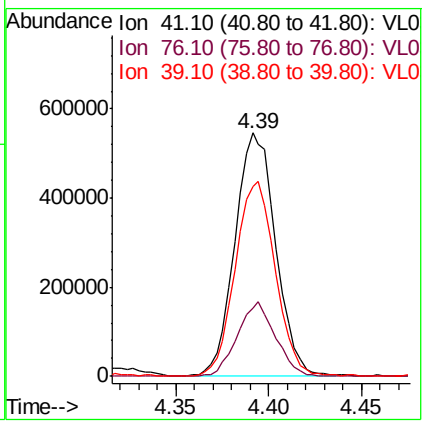


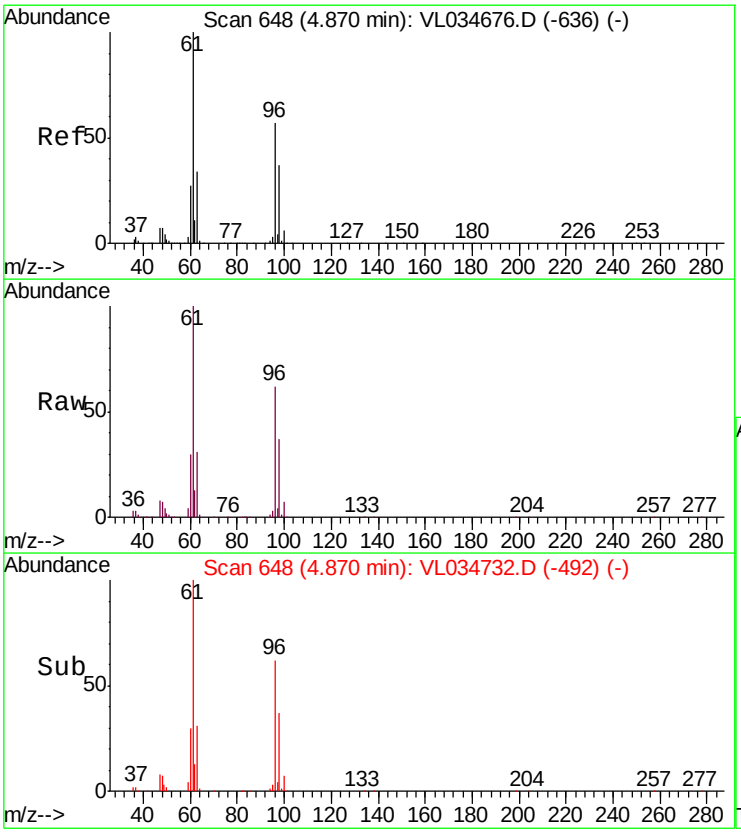
#21
Allyl Chloride
Concen: 10.460 ppbv
RT: 4.39 min Scan# 499
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 824697

Ion	Ratio	Lower	Upper
41	100		
76	29.0	22.8	34.2
39	79.4	61.7	92.5

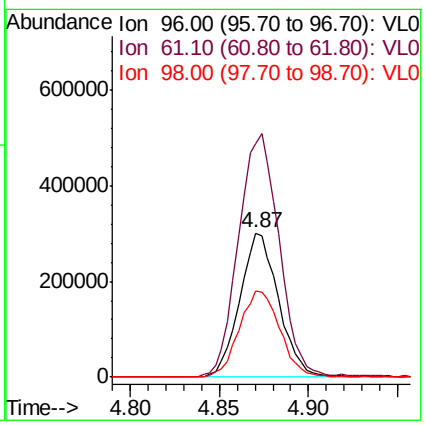


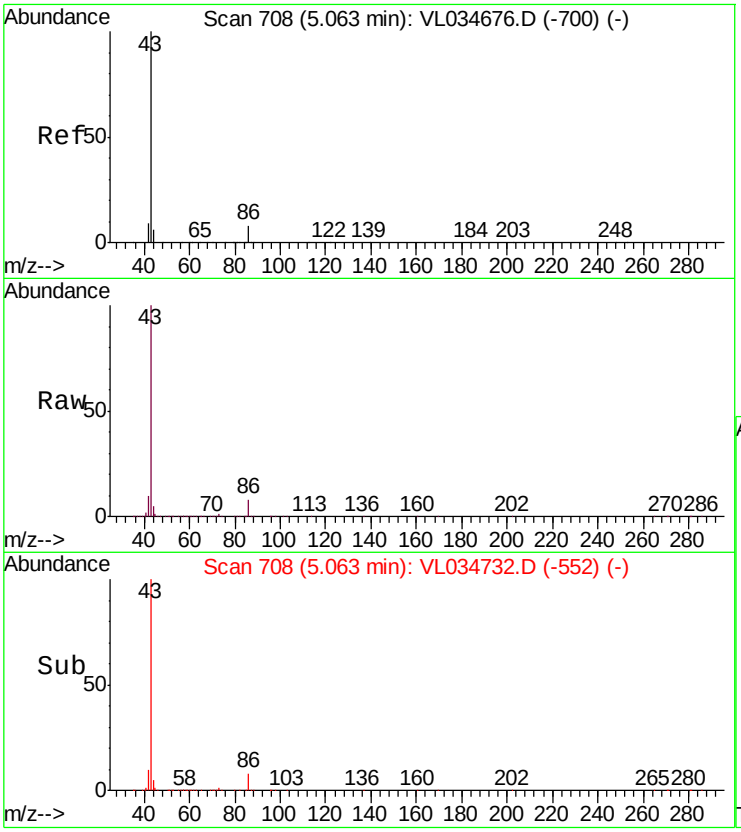


#22
trans-1,2-Dichloroethene
Concen: 10.216 ppbv
RT: 4.87 min Scan# 648
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 96 Resp: 455462

Ion	Ratio	Lower	Upper
96	100		
61	162.0	139.4	209.0
98	59.5	51.3	76.9



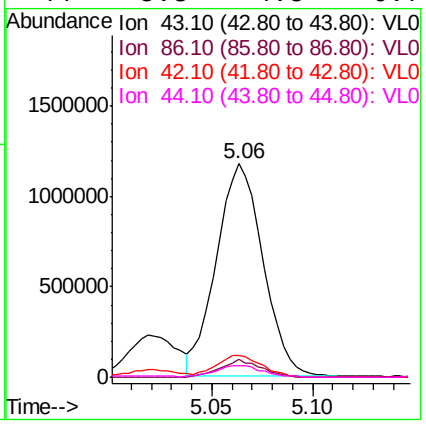


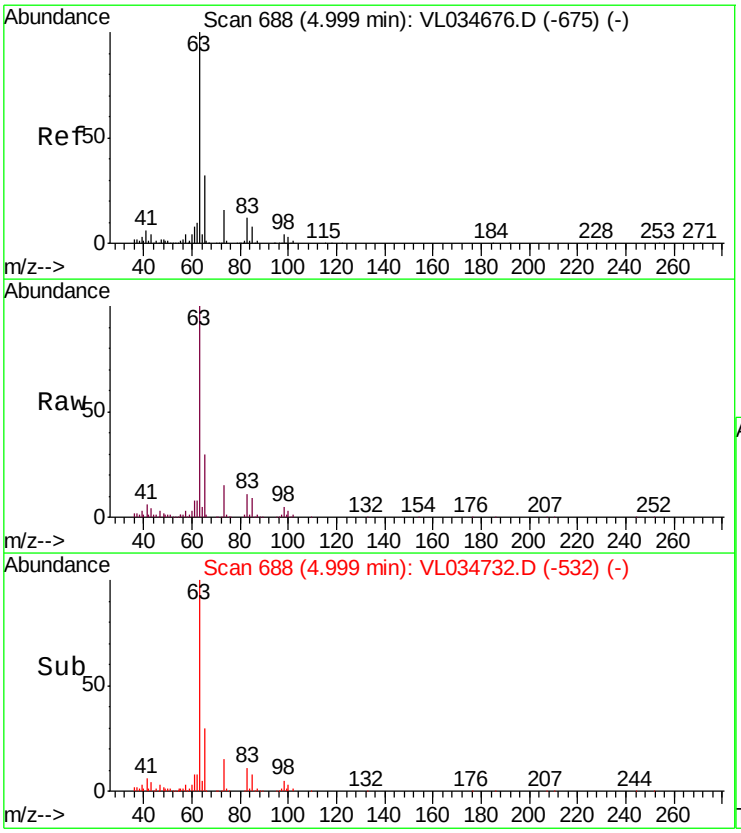
#23
Vinyl Acetate
Concen: 11.695 ppbv
RT: 5.06 min Scan# 708
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1894666

Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.0	9.0
42	10.0	8.0	12.0
44	5.3	4.5	6.7

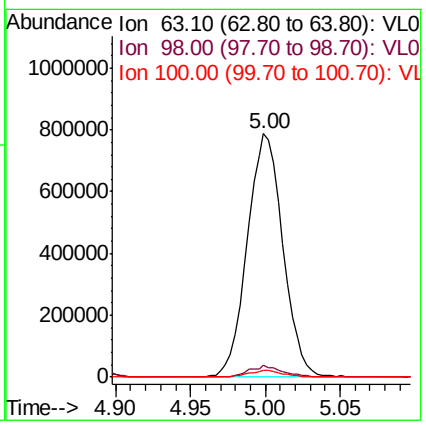


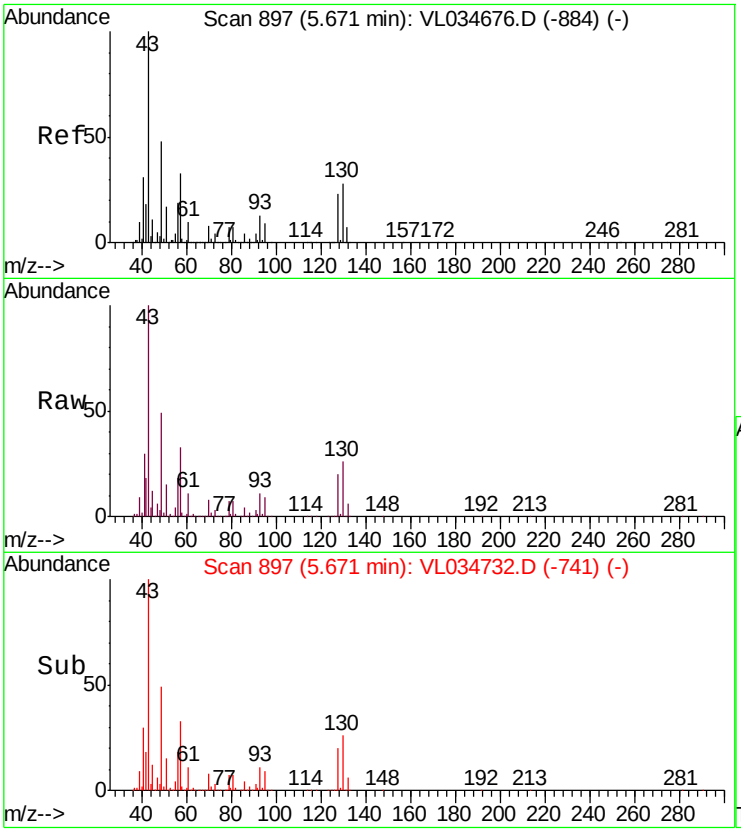


#24
1,1-Dichloroethane
Concen: 10.055 ppbv
RT: 5.00 min Scan# 688
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 63 Resp: 1300876

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.2
100	2.7	1.4	4.0



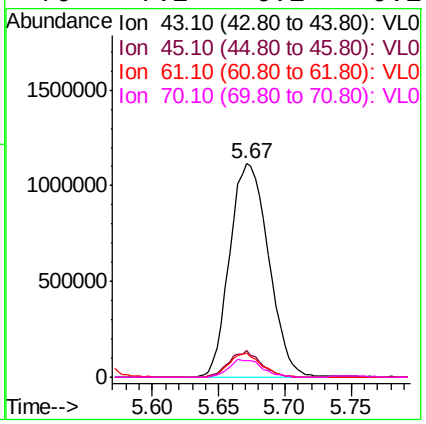


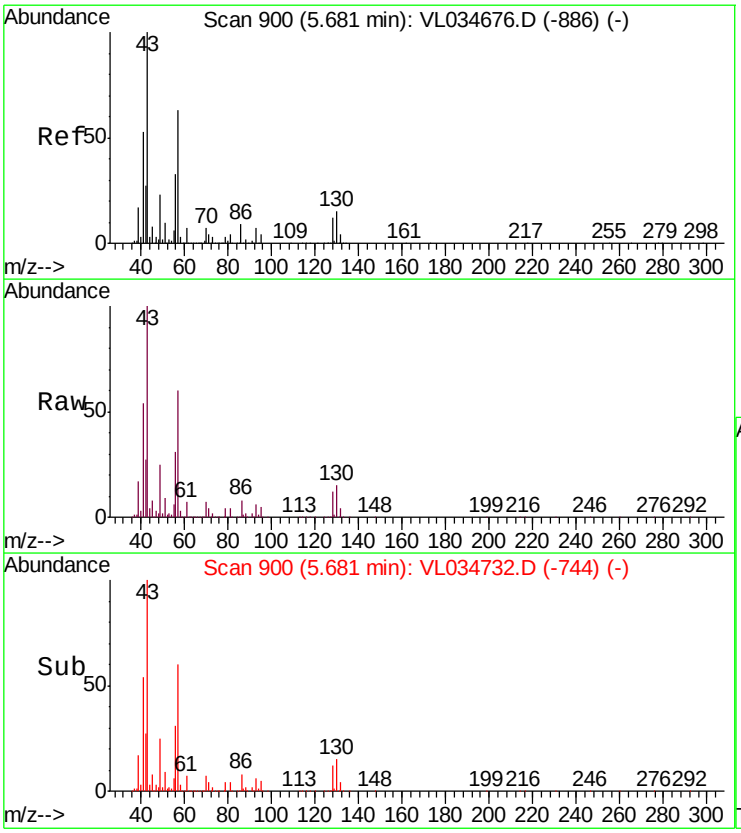
#25
Ethyl Acetate
Concen: 10.796 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2277371

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	9.7	7.8	11.6
70	7.2	6.1	9.1

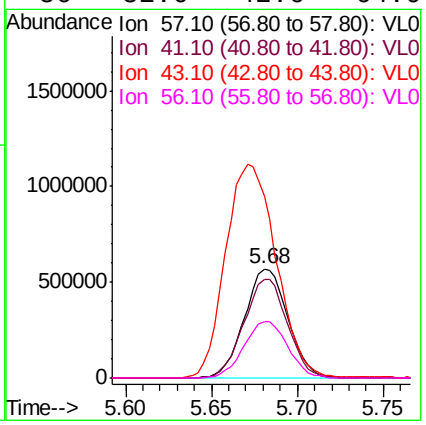


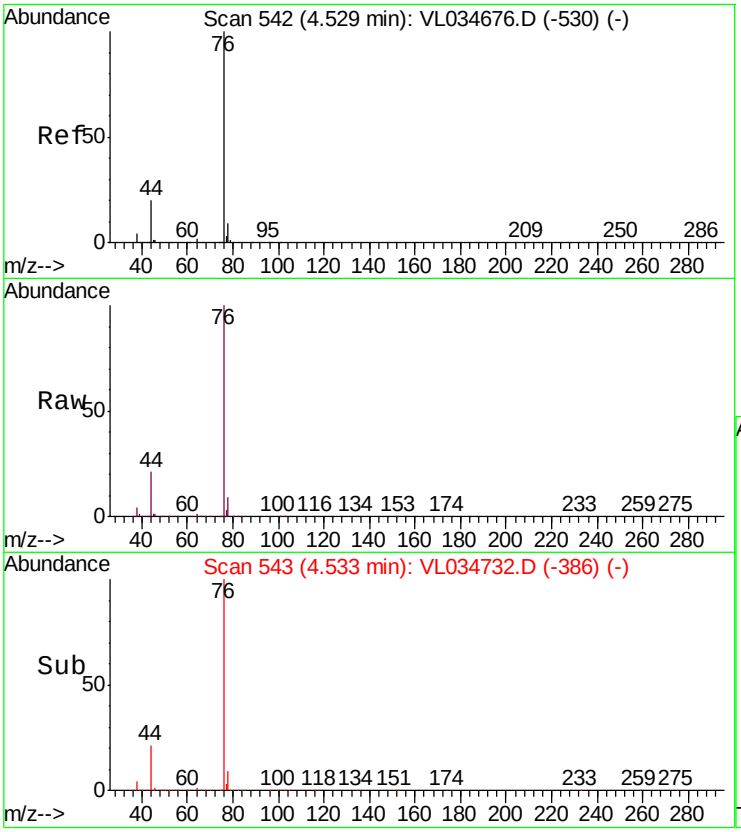


#26
Hexane
Concen: 10.222 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 57 Resp: 993808

Ion	Ratio	Lower	Upper
57	100		
41	91.2	70.3	105.5
43	230.1	177.0	265.4
56	52.6	42.6	64.0



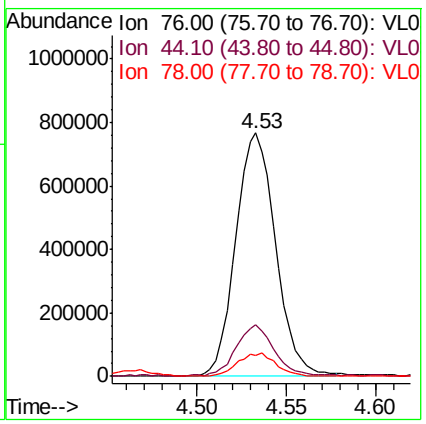


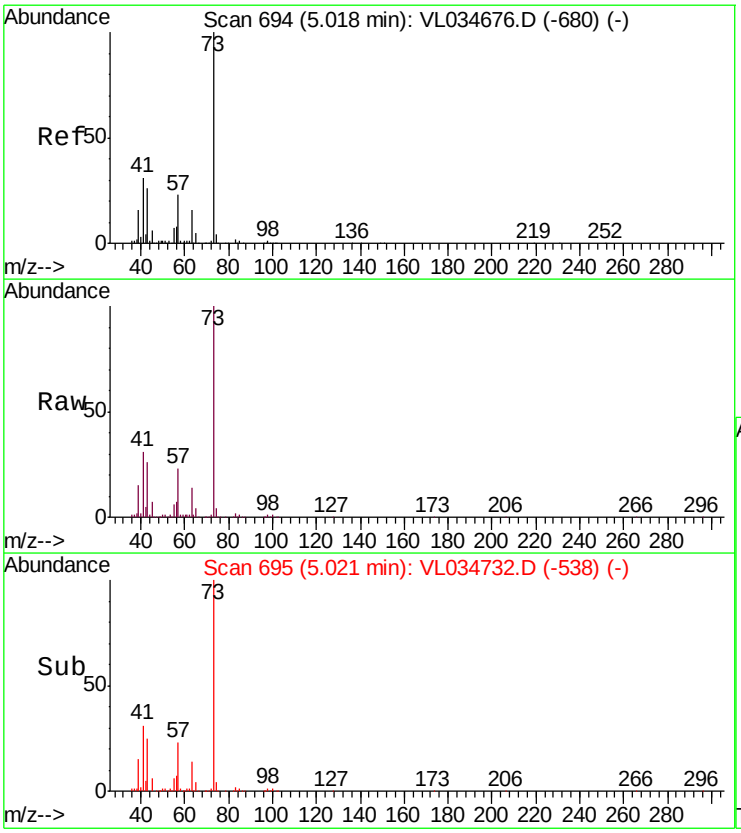
#27
Carbon Disulfide
Concen: 10.808 ppbv
RT: 4.53 min Scan# 543
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1192756

Ion	Ratio	Lower	Upper
76	100		
44	20.0	15.3	22.9
78	9.3	7.6	11.4

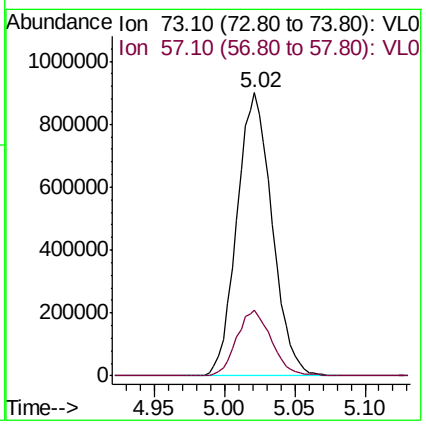


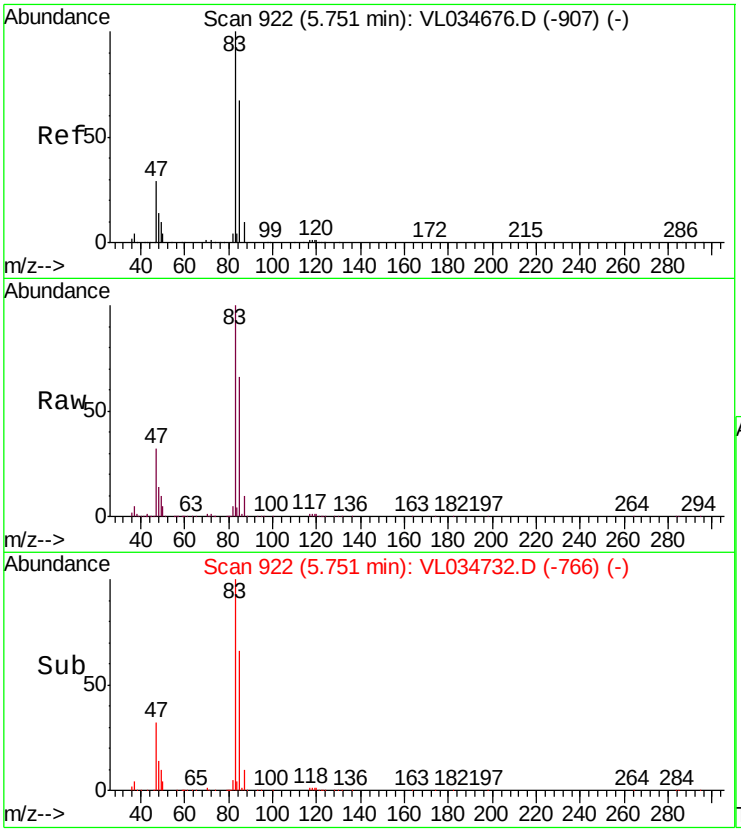


#28
Methyl tert-Butyl Ether
Concen: 11.333 ppbv
RT: 5.02 min Scan# 695
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 73 Resp: 1574113

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.6	28.0



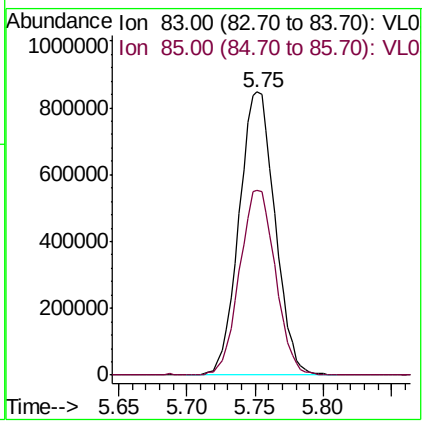


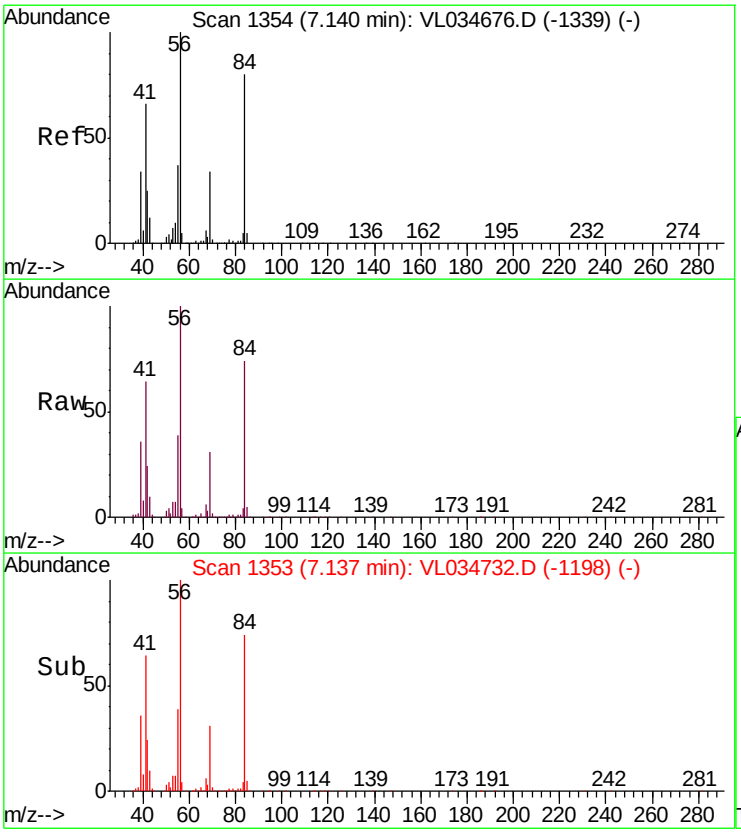
#29
Chloroform
Concen: 9.988 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1547180

Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.9	80.9

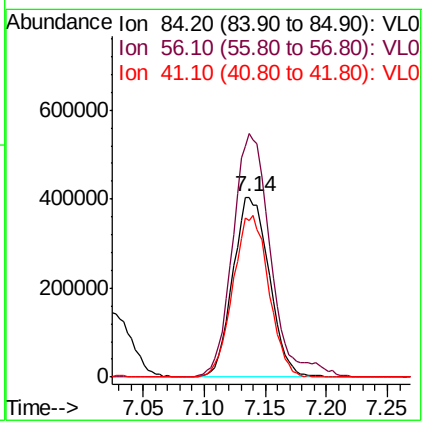


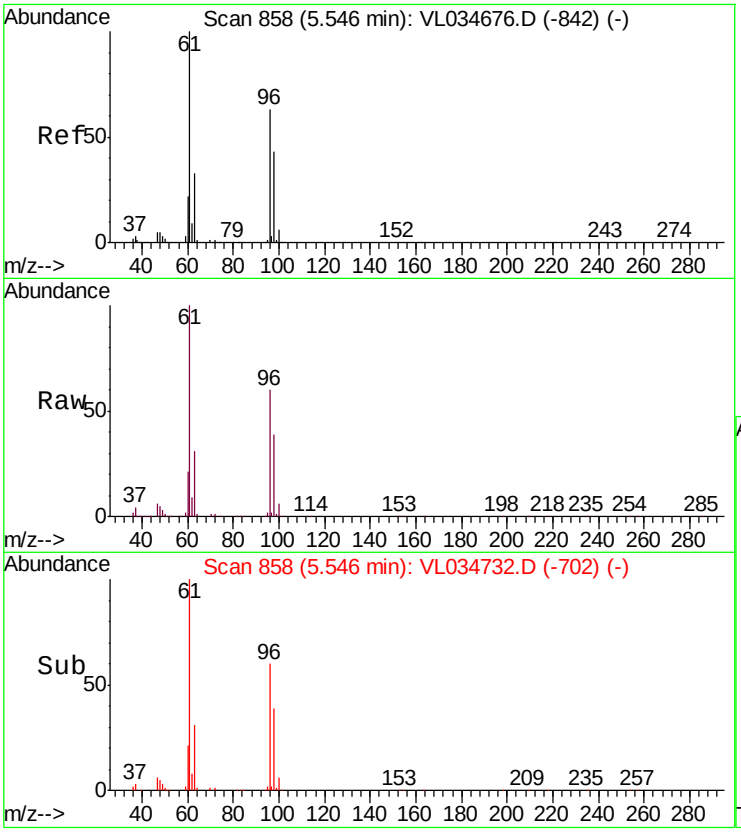


#30
Cyclohexane
Concen: 11.057 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 84 Resp: 833131

Ion	Ratio	Lower	Upper
84	100		
56	141.2	113.4	170.2
41	88.6	68.2	102.4



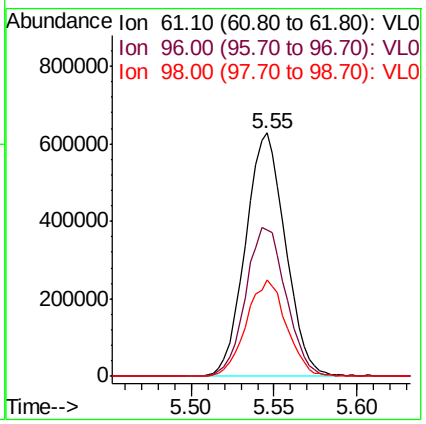


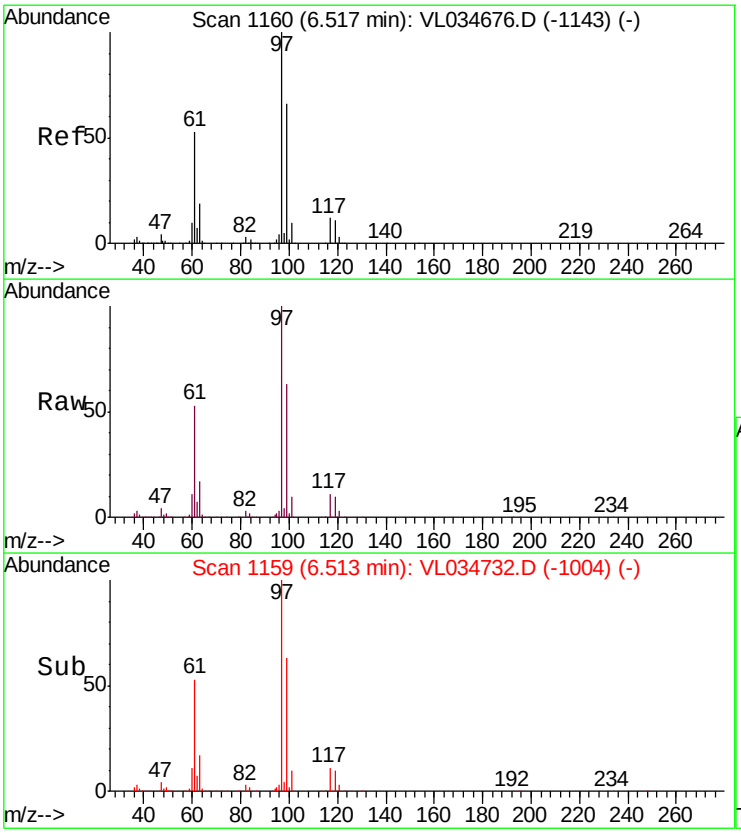
#31
cis-1,2-Dichloroethene
Concen: 10.971 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1049710

Ion	Ratio	Lower	Upper
61	100		
96	59.8	50.2	75.2
98	39.4	34.3	51.5

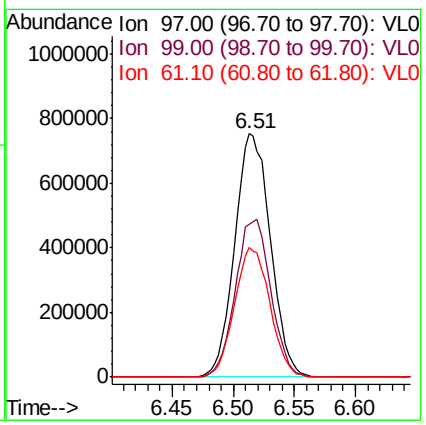


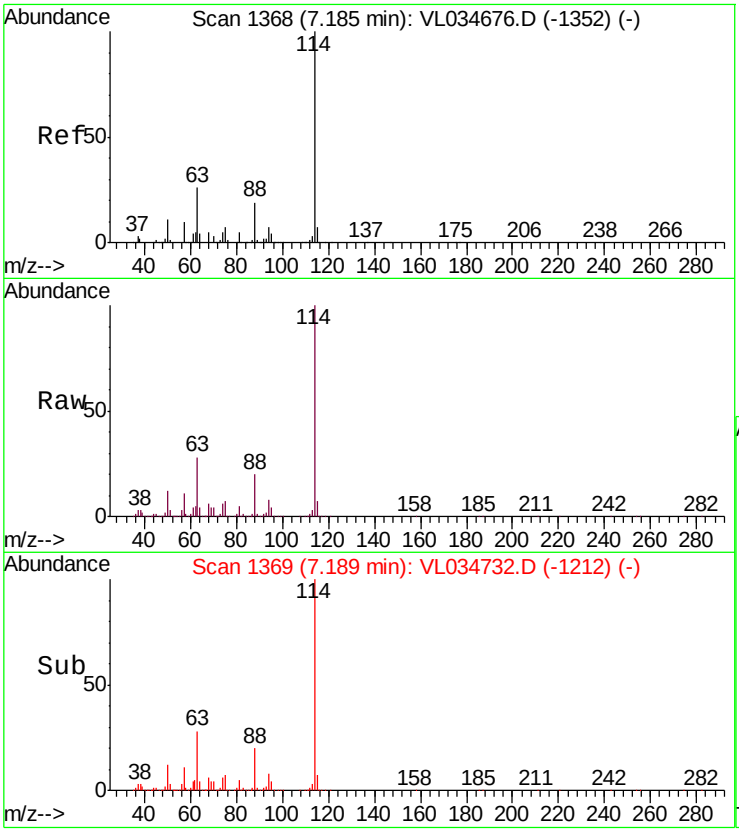


#32
1,1,1-Trichloroethane
Concen: 10.532 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 97 Resp: 1523467

Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.3	78.5
61	52.8	42.8	64.2



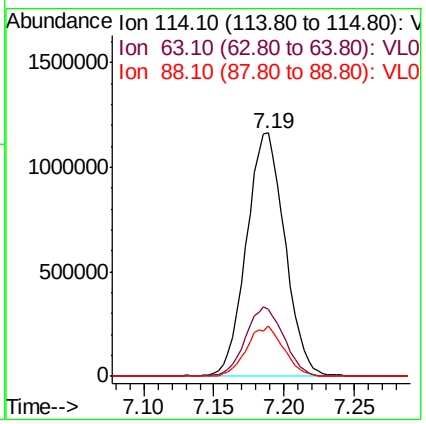


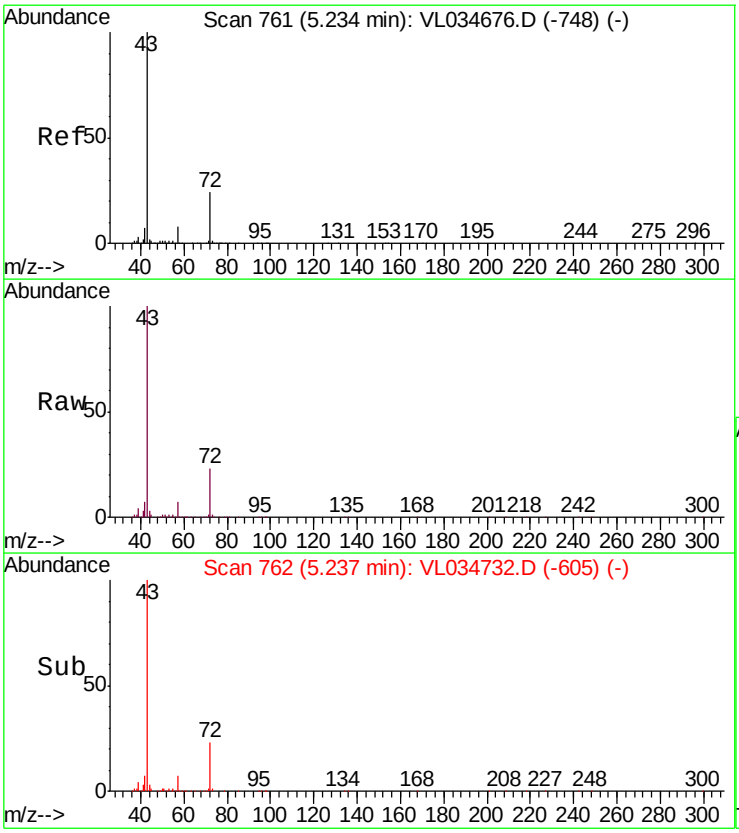
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 2217916

Ion	Ratio	Lower	Upper
114	100		
63	29.0	22.9	34.3
88	20.0	15.8	23.6

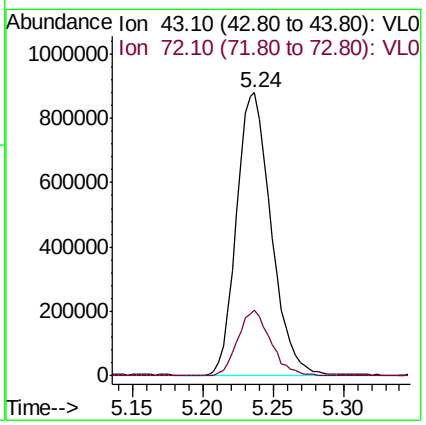


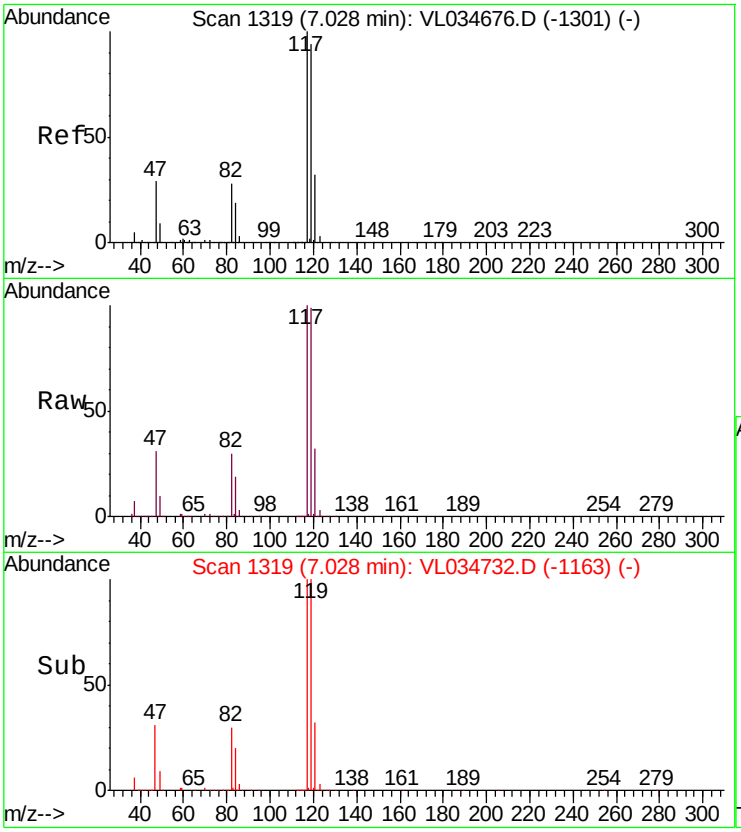


#34
2-Butanone
Concen: 10.847 ppbv
RT: 5.24 min Scan# 762
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 43 Resp: 1514323

Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.2	27.2



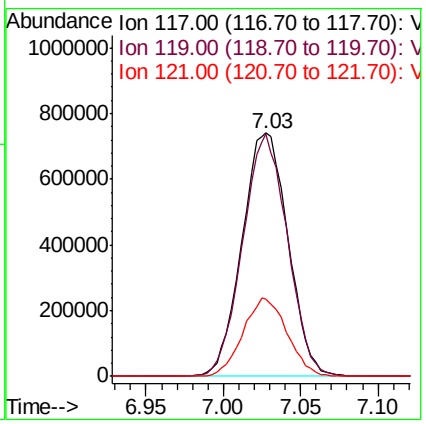


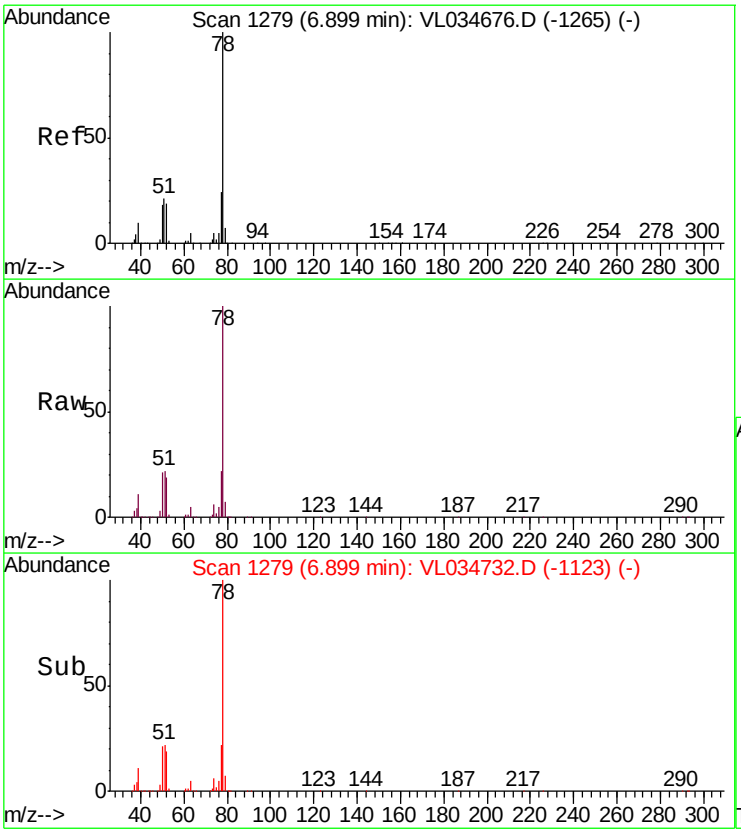
#35
Carbon Tetrachloride
Concen: 10.328 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1534075

Ion	Ratio	Lower	Upper
117	100		
119	99.3	75.5	113.3
121	31.8	25.4	38.0

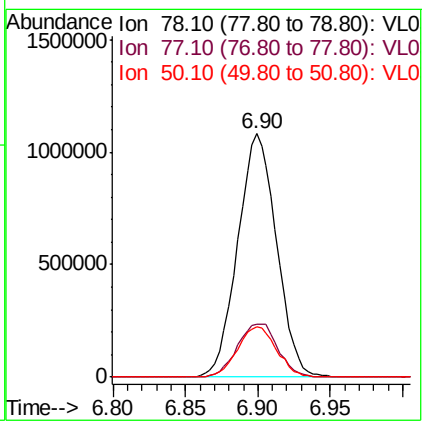


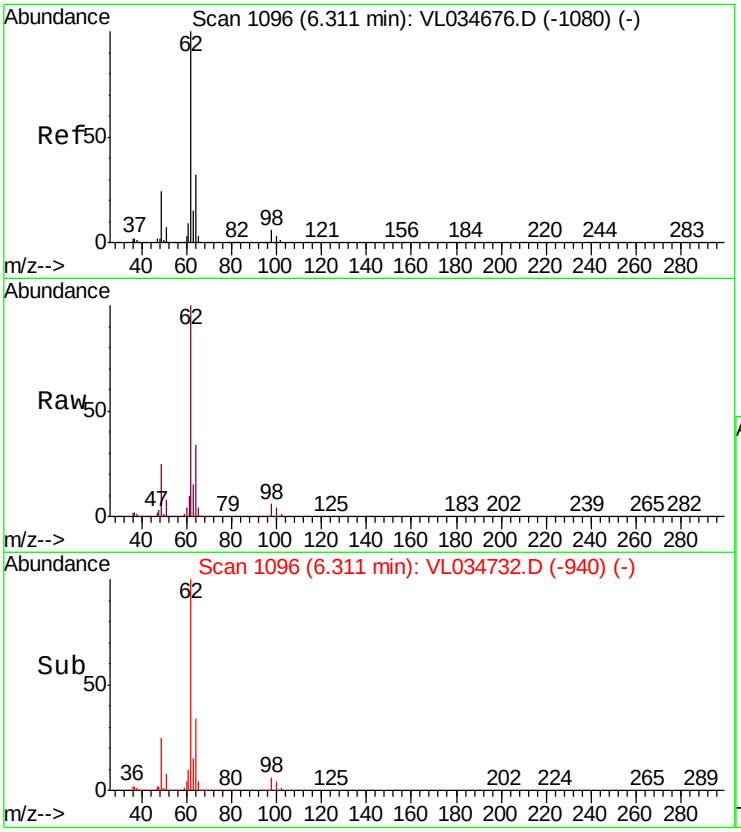


#36
Benzene
Concen: 10.506 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 78 Resp: 2012592

Ion	Ratio	Lower	Upper
78	100		
77	21.6	19.5	29.3
50	20.6	14.6	21.8



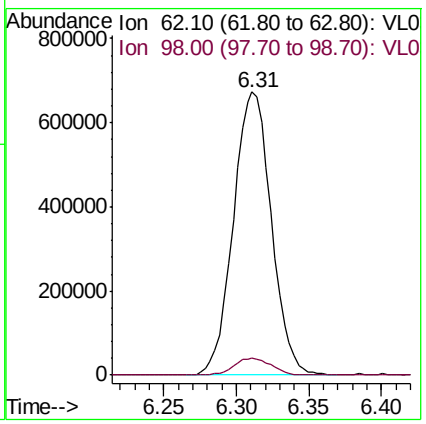


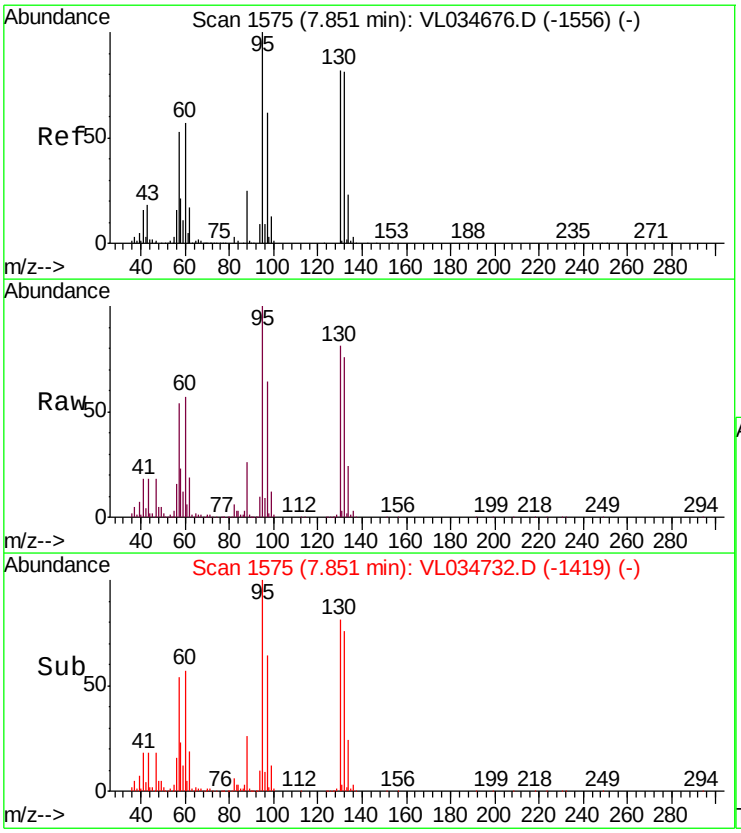
#37
1,2-Dichloroethane
Concen: 10.143 ppbv
RT: 6.31 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 1224797

Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.7	7.1

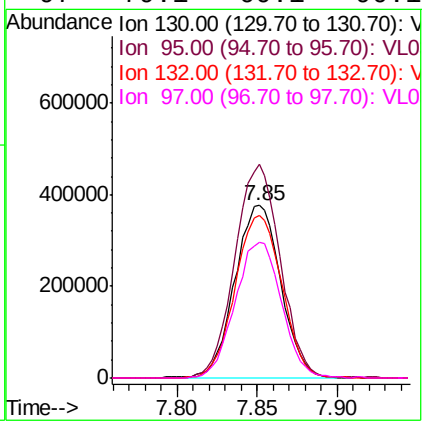


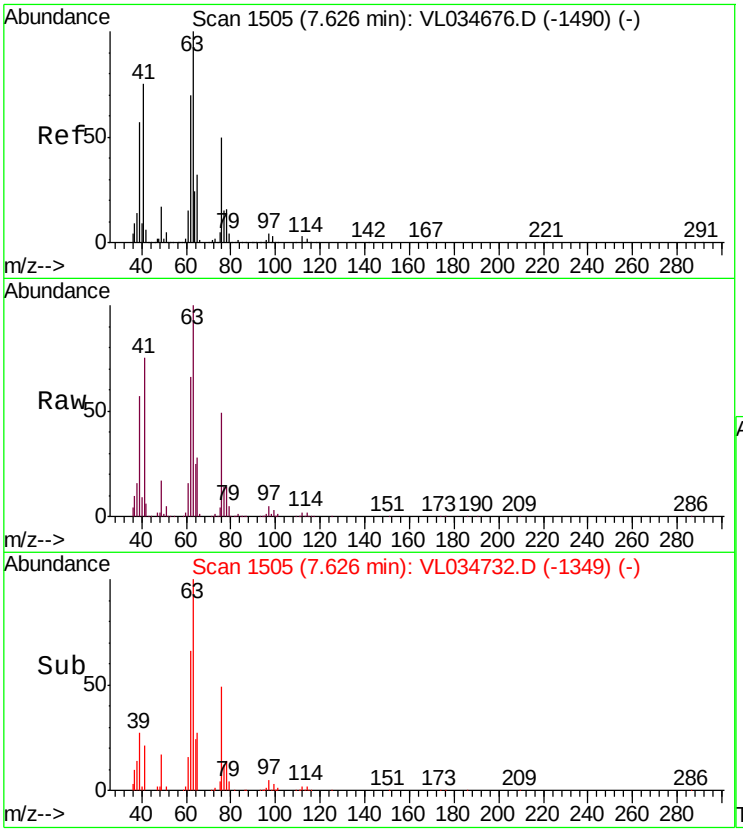


#38
Trichloroethene
Concen: 9.901 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion:130 Resp: 731050

Ion	Ratio	Lower	Upper
130	100		
95	124.1	97.1	145.7
132	94.1	78.3	117.5
97	79.1	60.1	90.1



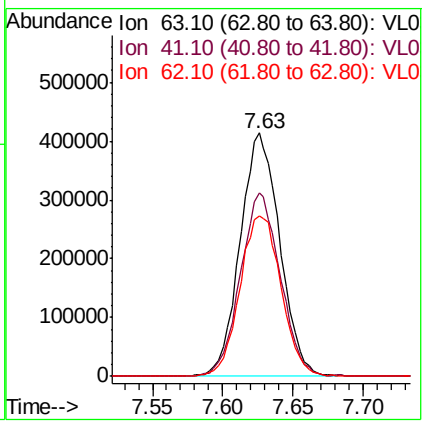


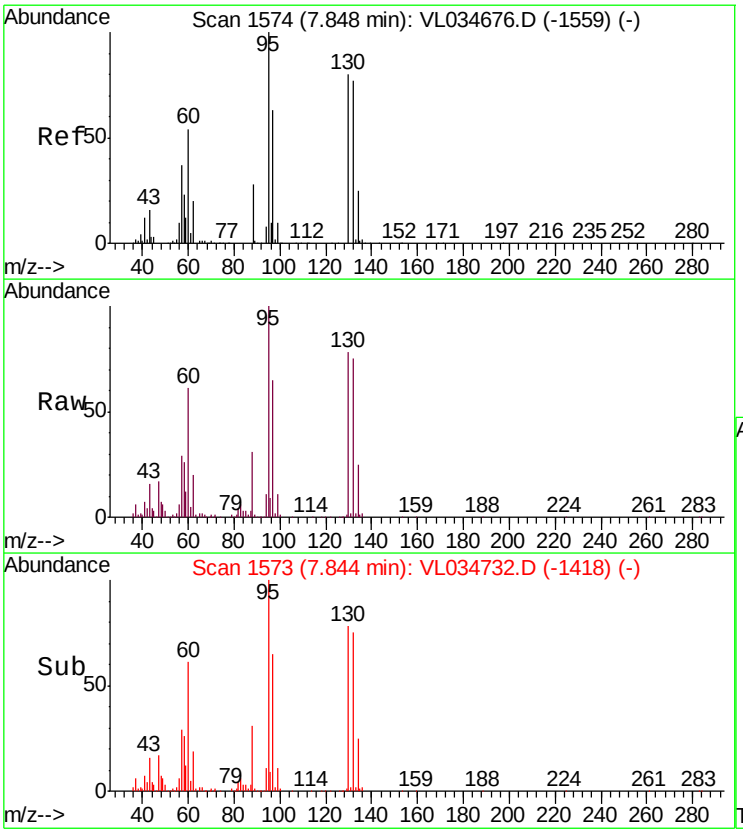
#39
1,2-Dichloropropane
Concen: 10.659 ppbv
RT: 7.63 min Scan# 1505
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 812348

Ion	Ratio	Lower	Upper
63	100		
41	75.5	60.2	90.4
62	65.9	56.3	84.5

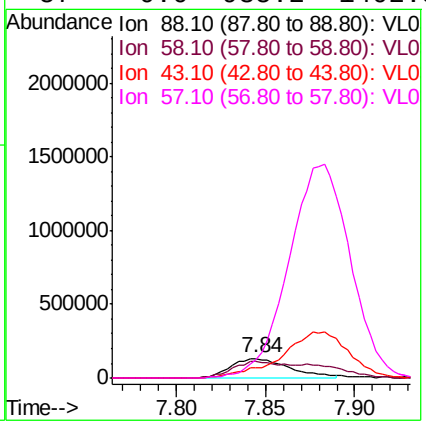


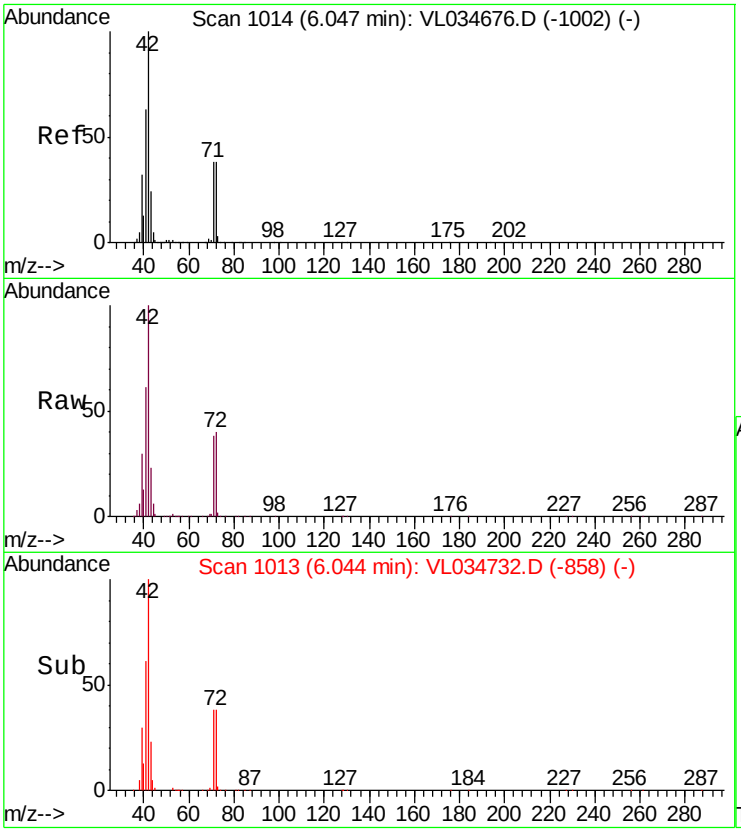


#40
1,4-Dioxane
Concen: 11.472 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 88 Resp: 297321

Ion	Ratio	Lower	Upper
88	100		
58	136.5	104.6	156.8
43	0.0	212.9	319.3#
57	0.0	935.2	1402.8#



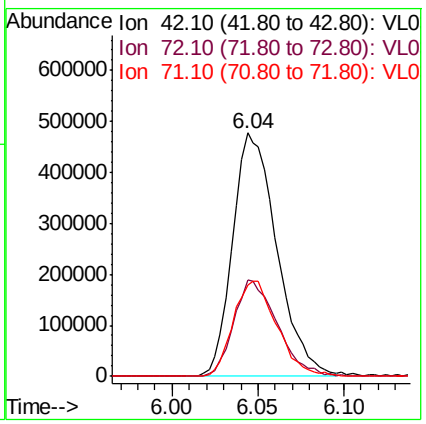


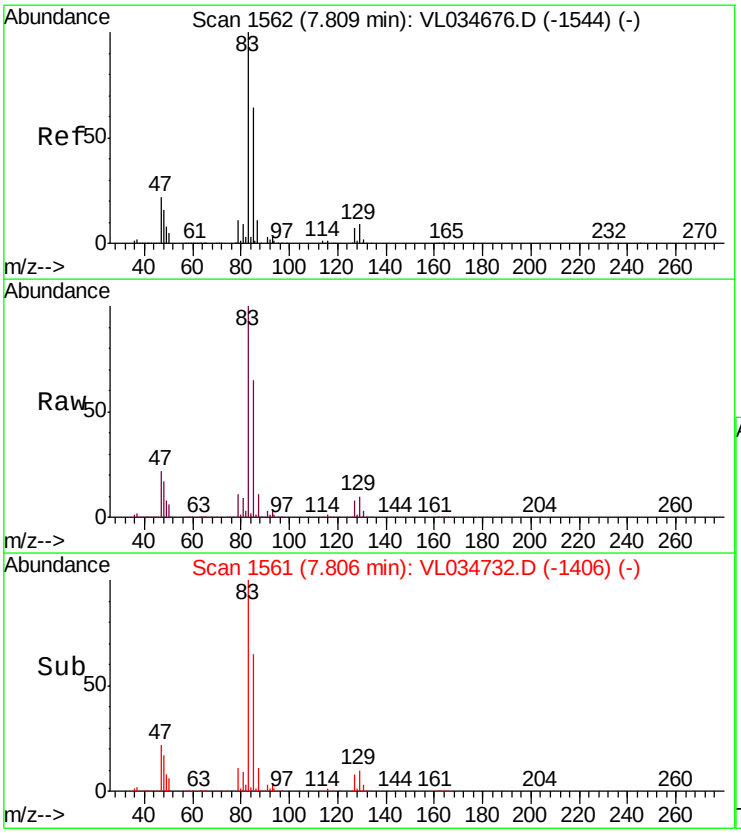
#41
Tetrahydrofuran
Concen: 11.615 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 855873

Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.7	47.5
71	38.9	30.7	46.1

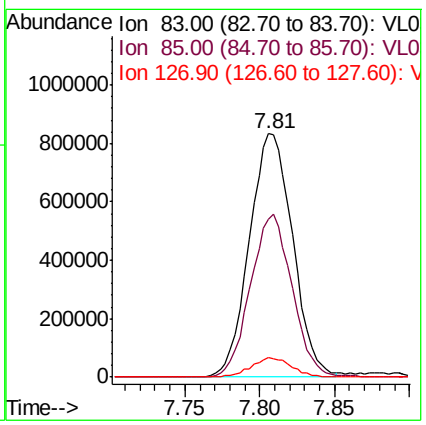


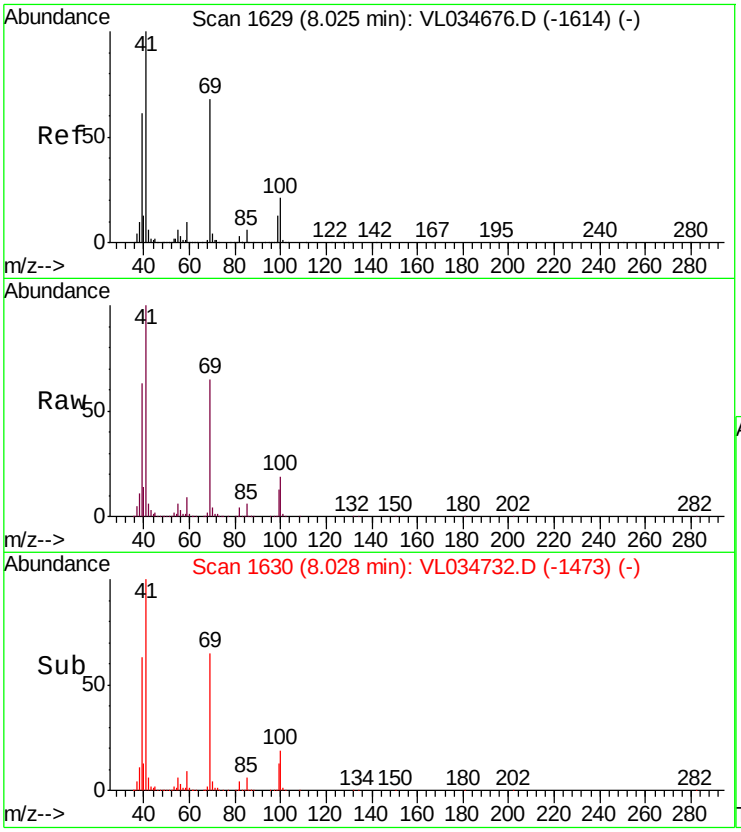


#42
Bromodichloromethane
Concen: 10.614 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 83 Resp: 1678019

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.1	76.7
127	8.3	5.8	8.8



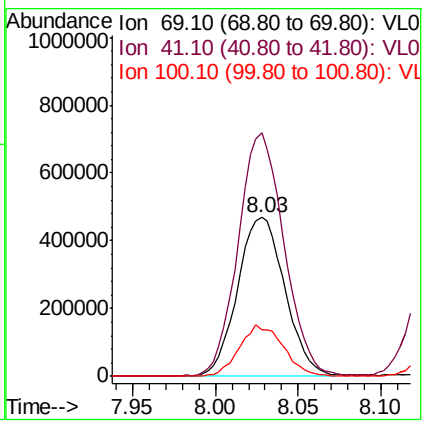


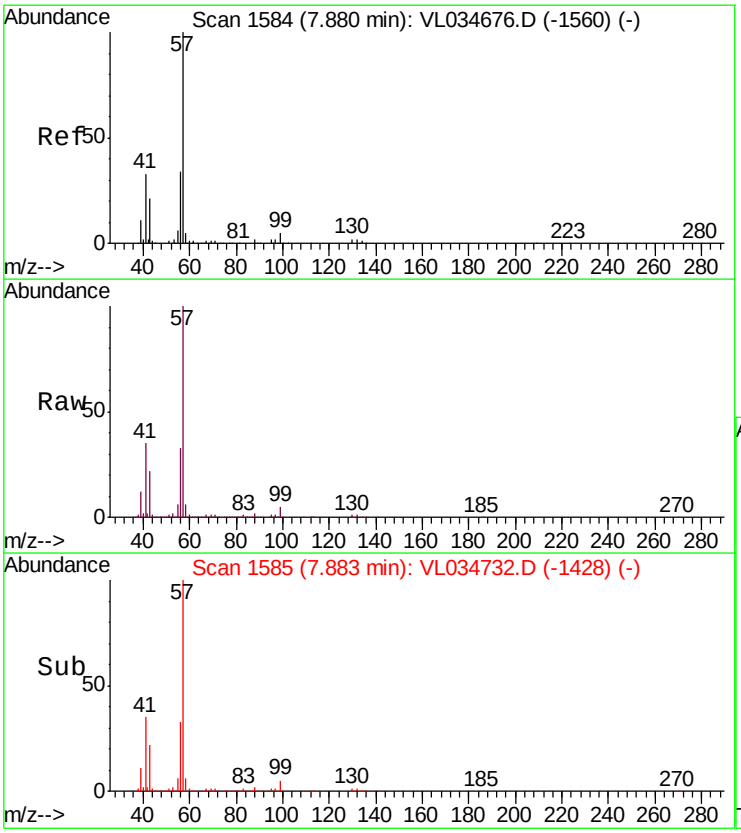
#43
Methyl Methacrylate
Concen: 11.596 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 934319

Ion	Ratio	Lower	Upper
69	100		
41	149.3	118.2	177.2
100	30.2	24.2	36.2

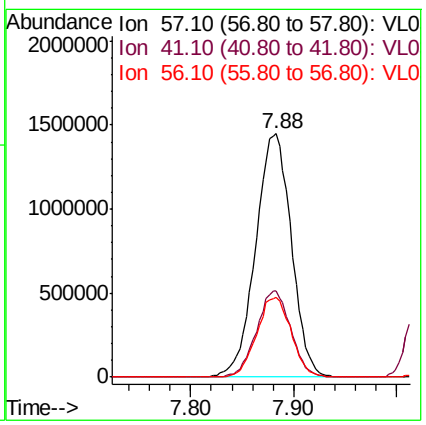


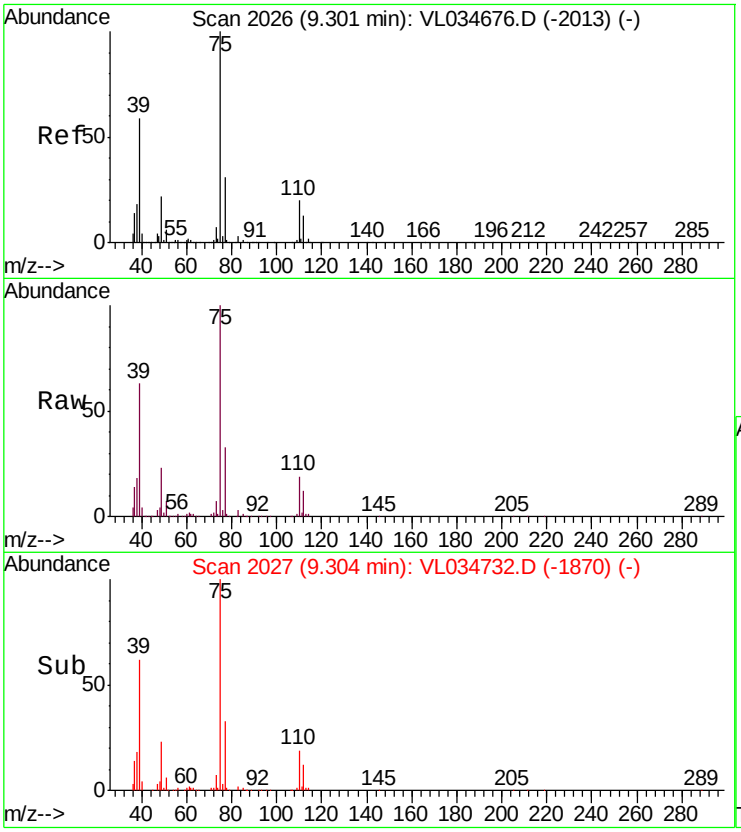


#44
2,2,4-Trimethylpentane
Concen: 10.366 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 57 Resp: 3470388

Ion	Ratio	Lower	Upper
57	100		
41	34.0	26.0	39.0
56	31.7	25.6	38.4



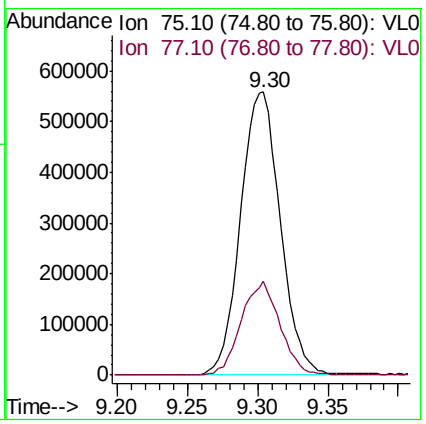


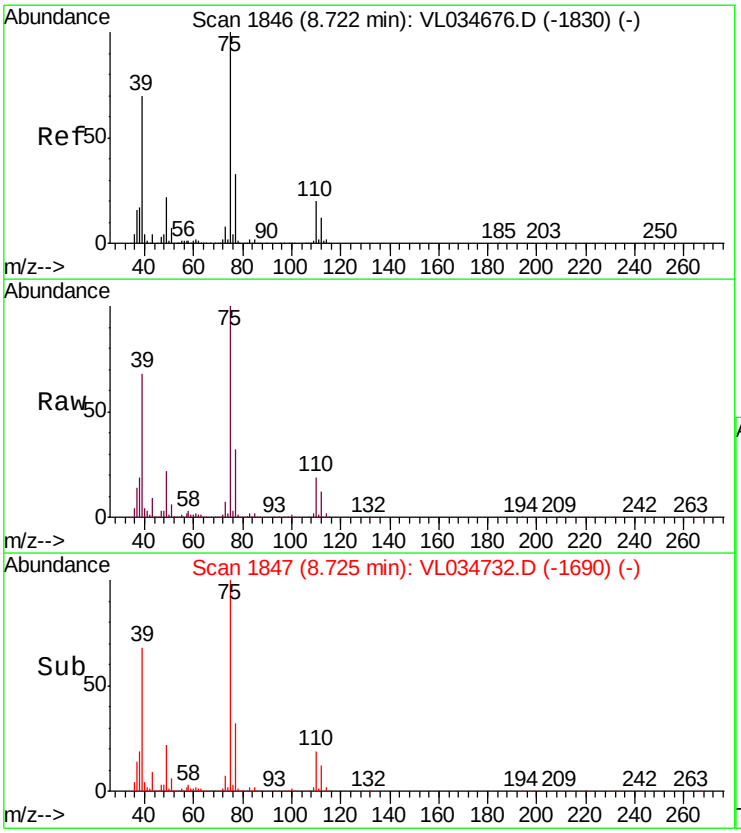
#45
t-1,3-Dichloropropene
Concen: 12.550 ppbv
RT: 9.30 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 75 Resp: 1103462

Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.3	37.9

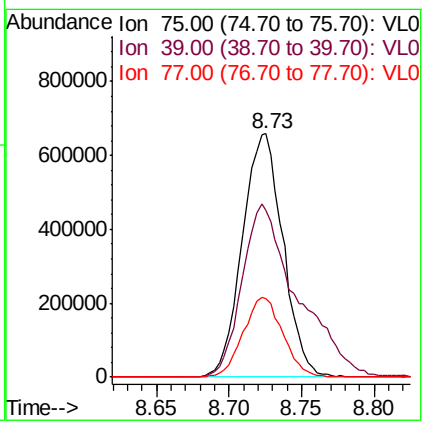


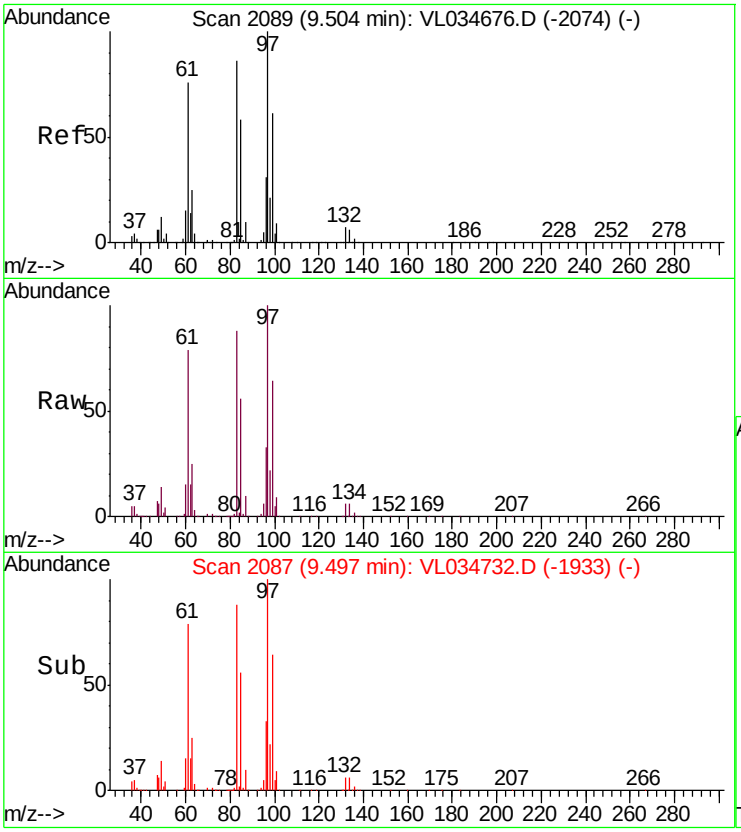


#46
cis-1,3-Dichloropropene
Concen: 12.179 ppbv
RT: 8.73 min Scan# 1847
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 75 Resp: 1284249

Ion	Ratio	Lower	Upper
75	100		
39	68.2	55.7	83.5
77	32.1	26.3	39.5



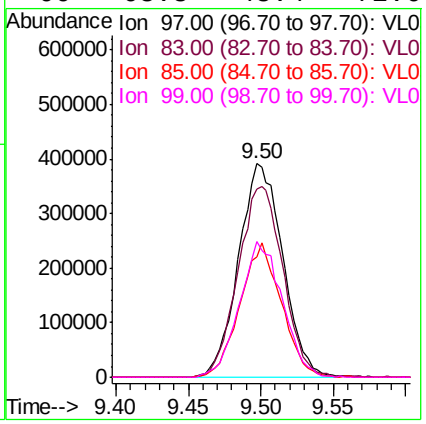


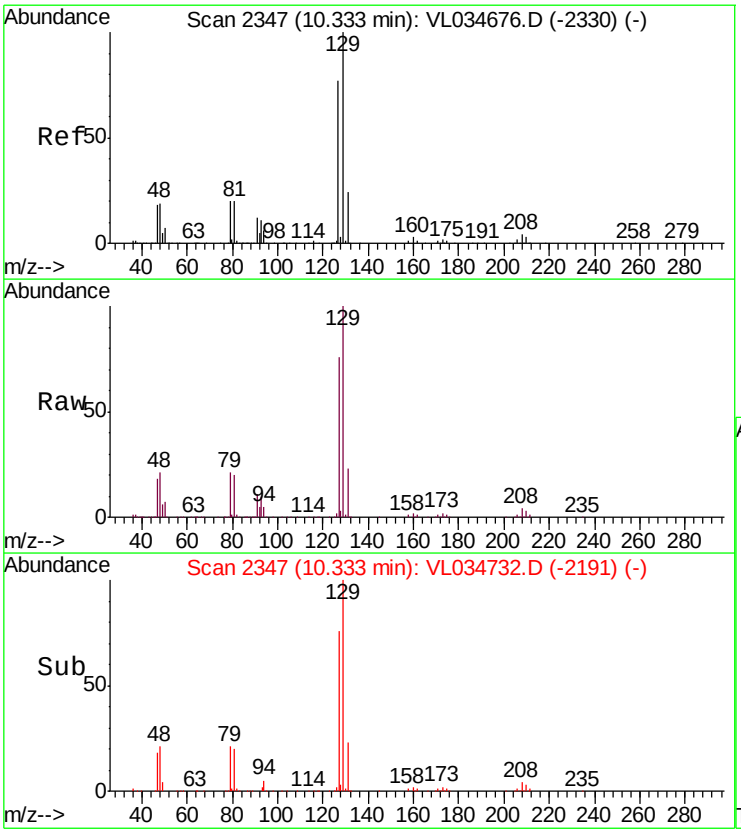
#47
1,1,2-Trichloroethane
Concen: 10.603 ppbv
RT: 9.50 min Scan# 2087
Delta R.T. -0.01 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 97 Resp: 828992

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.4	104.0
85	56.0	46.4	69.6
99	63.8	48.4	72.6

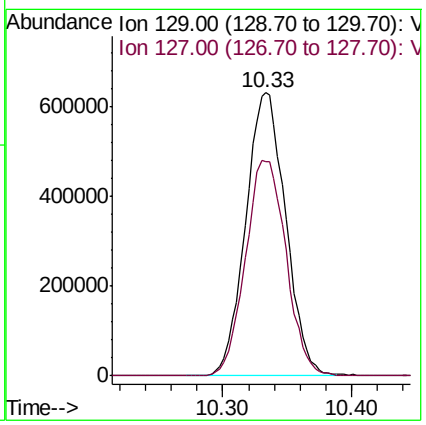


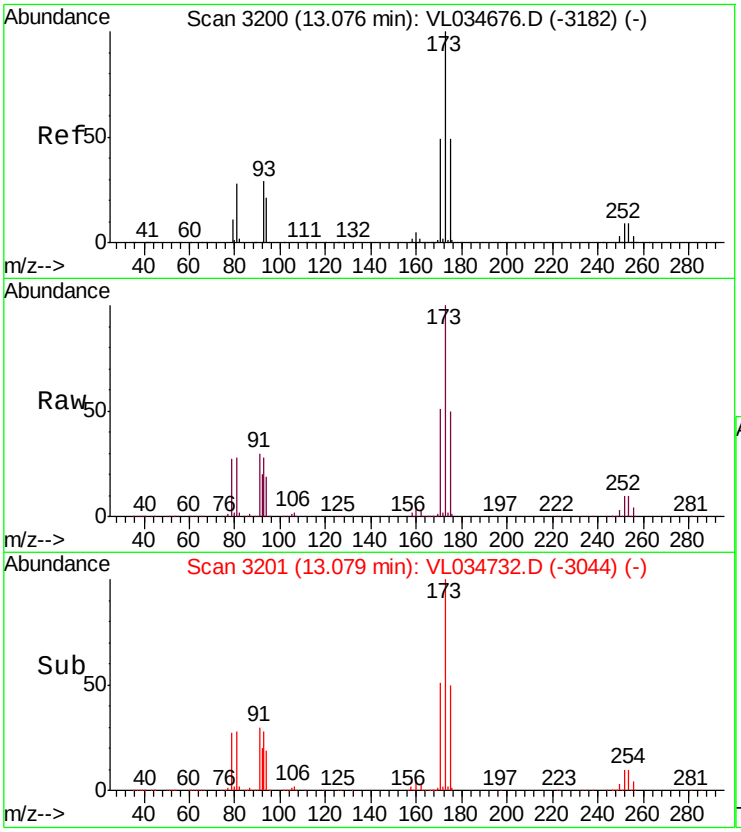


#48
Dibromochloromethane
Concen: 11.201 ppbv
RT: 10.33 min Scan# 2347
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion:129 Resp: 1361760

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.3	117.8



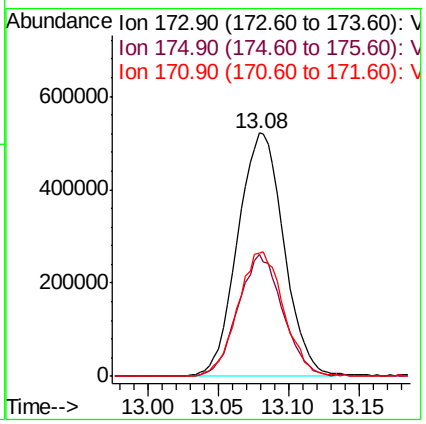


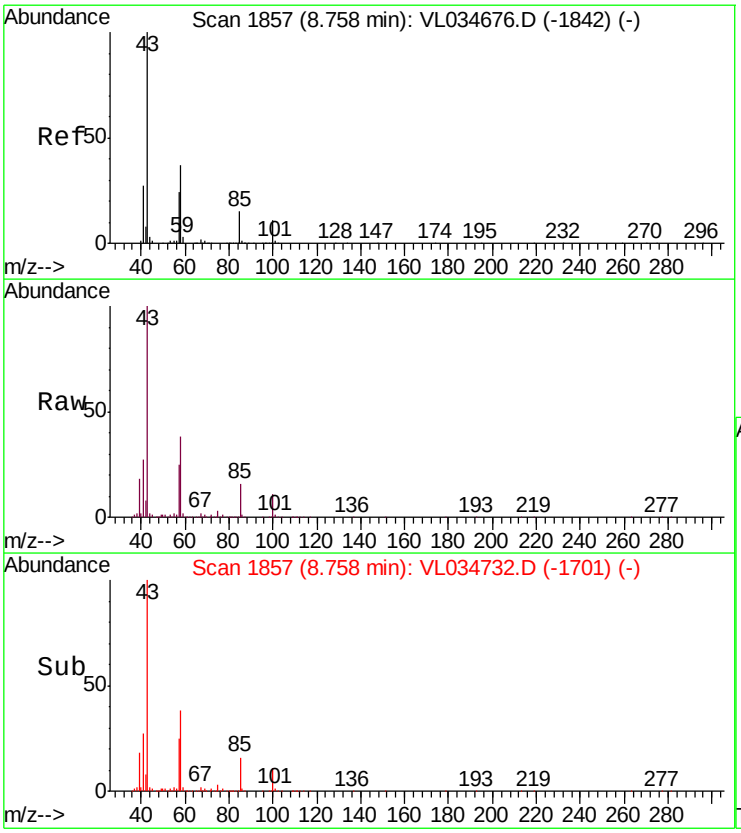
#49
Bromoform
Concen: 11.341 ppbv
RT: 13.08 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:173 Resp: 1195472

Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.6	58.0
171	51.0	41.5	62.3

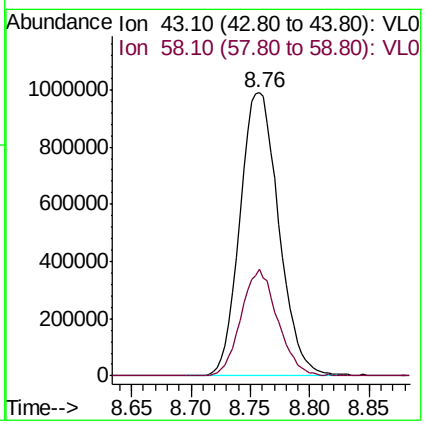


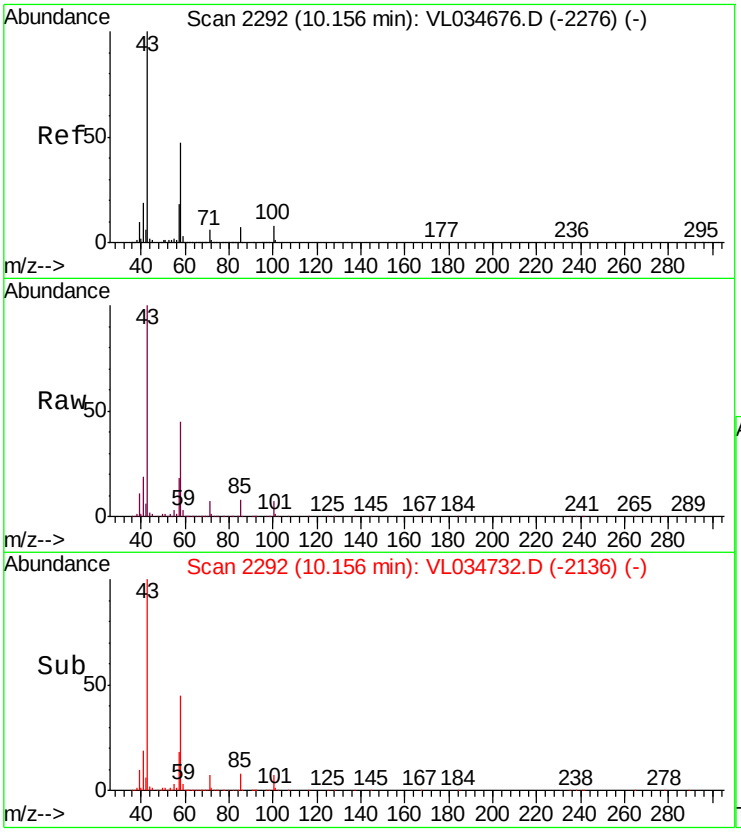


#50
4-Methyl-2-Pentanone
Concen: 11.302 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 43 Resp: 2234748

Ion	Ratio	Lower	Upper
43	100		
58	35.6	29.0	43.6



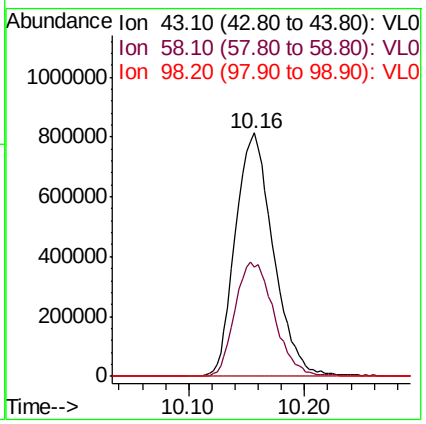


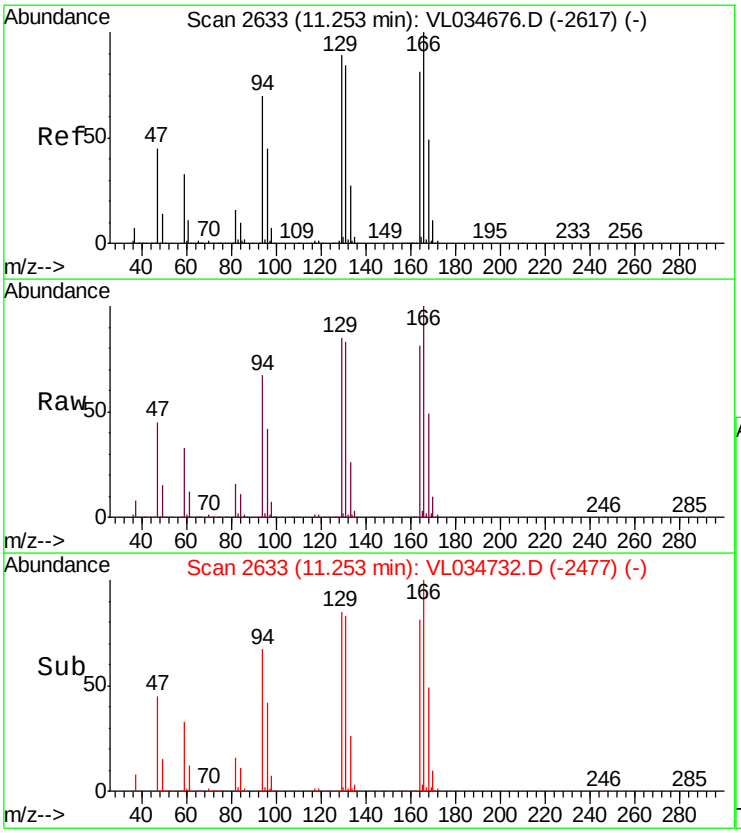
#51
2-Hexanone
Concen: 11.881 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1848770

Ion	Ratio	Lower	Upper
43	100		
58	48.6	39.4	59.0
98	0.3	0.2	0.2#

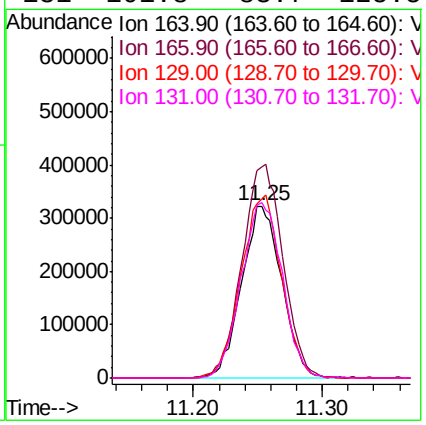


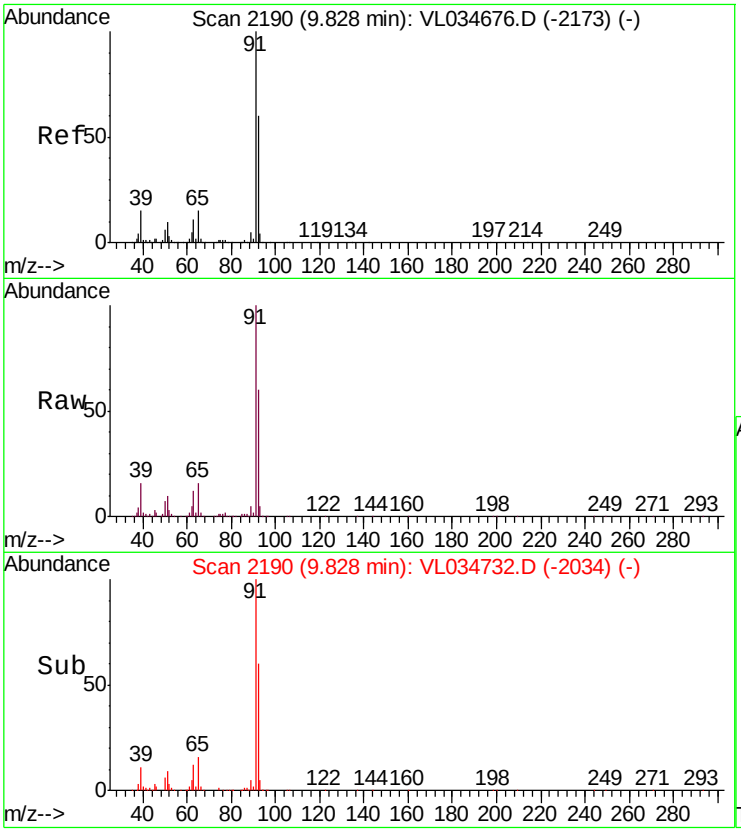


#52
Tetrachloroethene
Concen: 9.938 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion:164 Resp: 697788

Ion	Ratio	Lower	Upper
164	100		
166	122.9	99.2	148.8
129	104.1	88.0	132.0
131	101.8	83.7	125.5



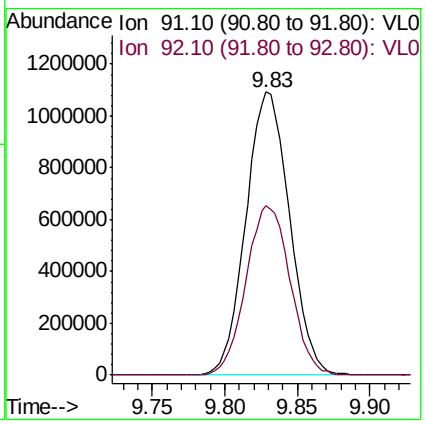


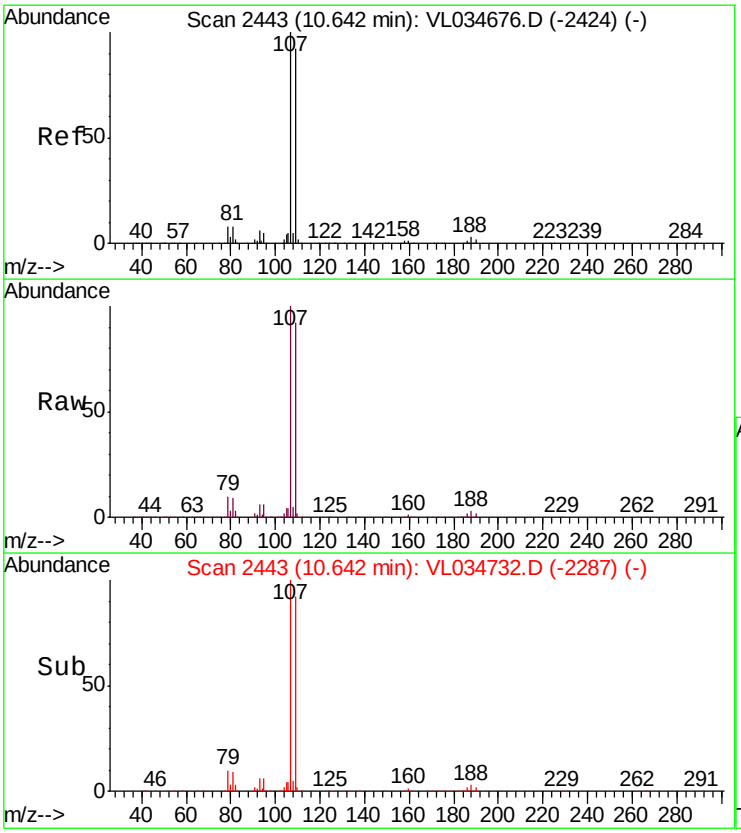
#53
Toluene
Concen: 11.241 ppbv
RT: 9.83 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2290364

Ion	Ratio	Lower	Upper
91	100		
92	60.6	48.5	72.7

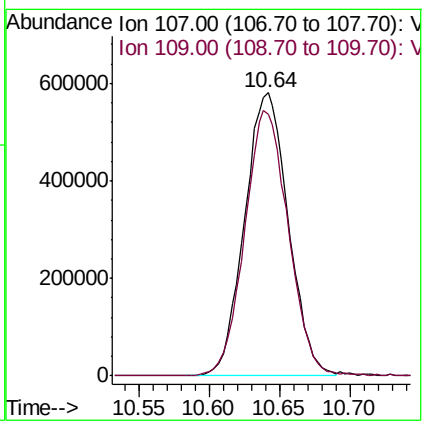


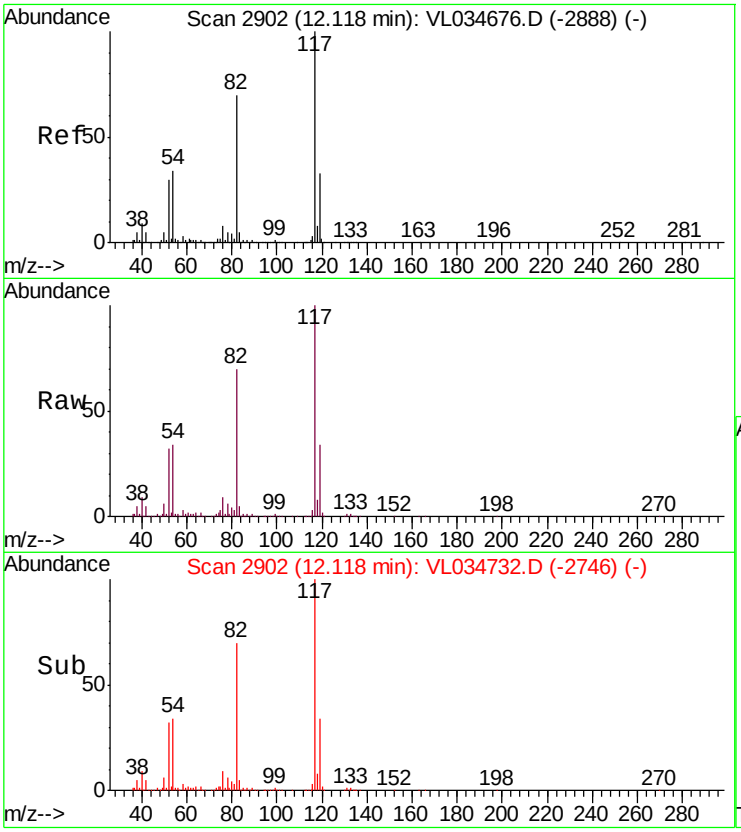


#54
1,2-Dibromoethane
Concen: 10.795 ppbv
RT: 10.64 min Scan# 2443
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion:107 Resp: 1259125

Ion	Ratio	Lower	Upper
107	100		
109	92.4	73.9	110.9



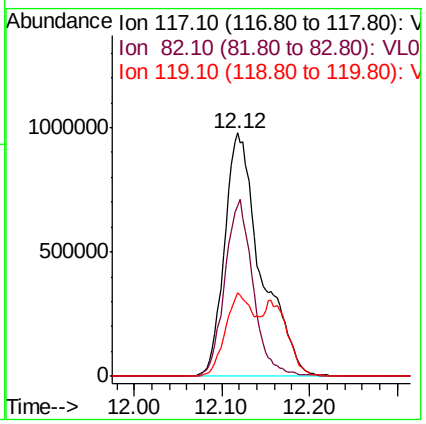


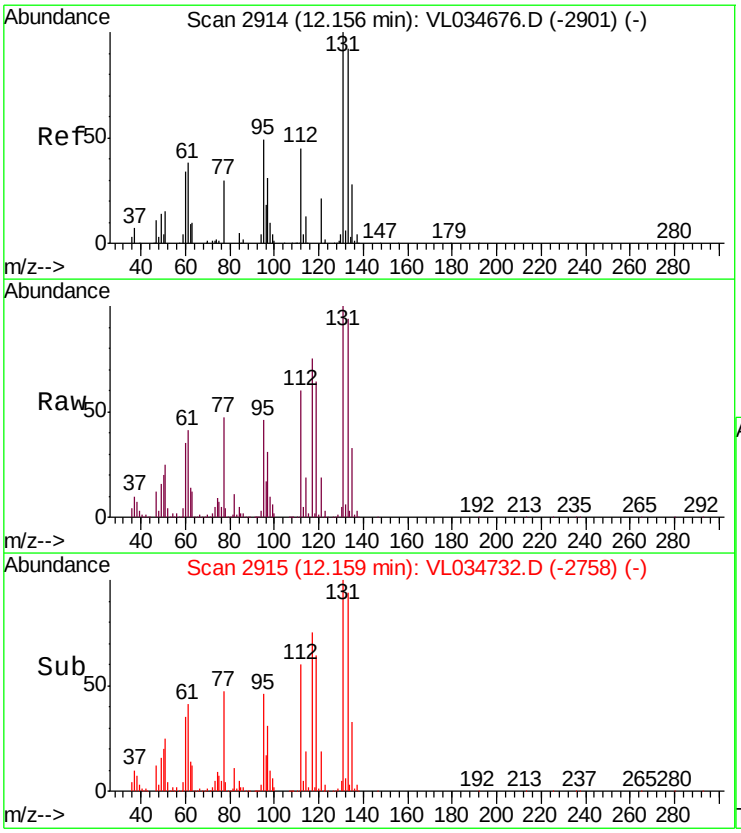
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 2834166

Ion	Ratio	Lower	Upper
117	100		
82	56.7	54.1	81.1
119	27.6	27.6	41.4#

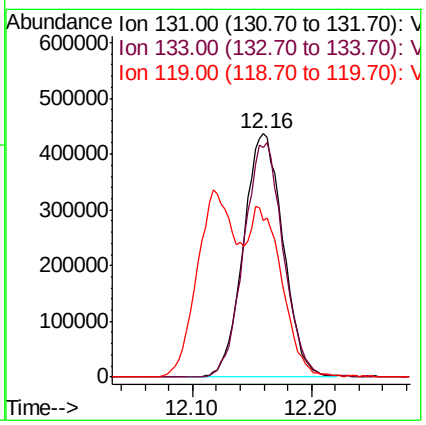


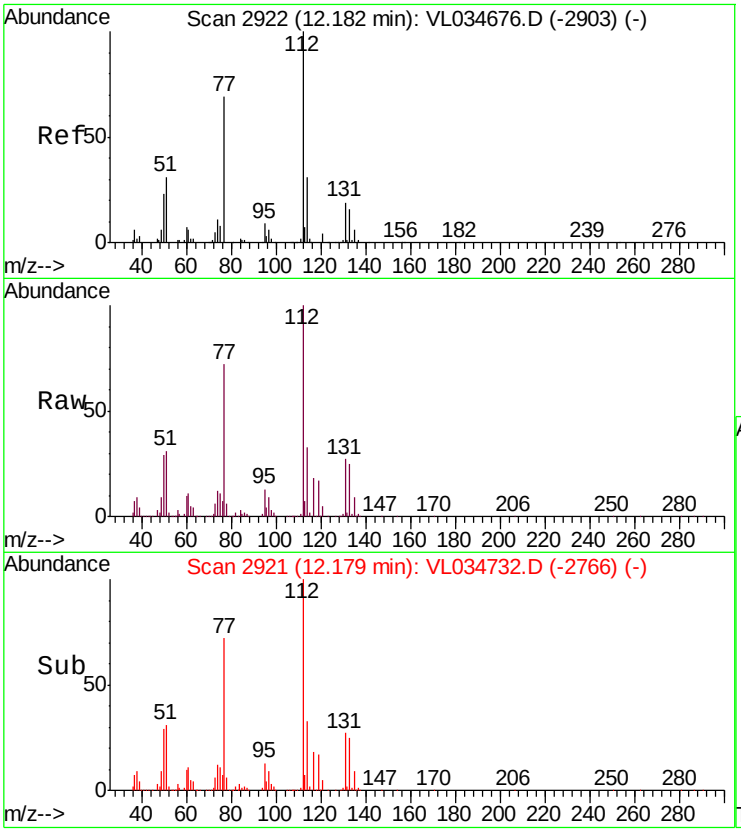


#56
1,1,1,2-Tetrachloroethane
Concen: 8.328 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion:131 Resp: 1005189

Ion	Ratio	Lower	Upper
131	100		
133	96.1	76.6	114.8
119	67.3	51.3	76.9



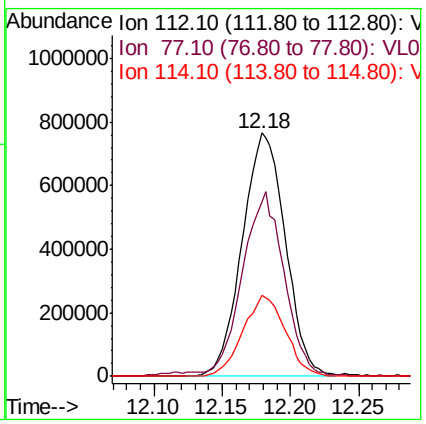


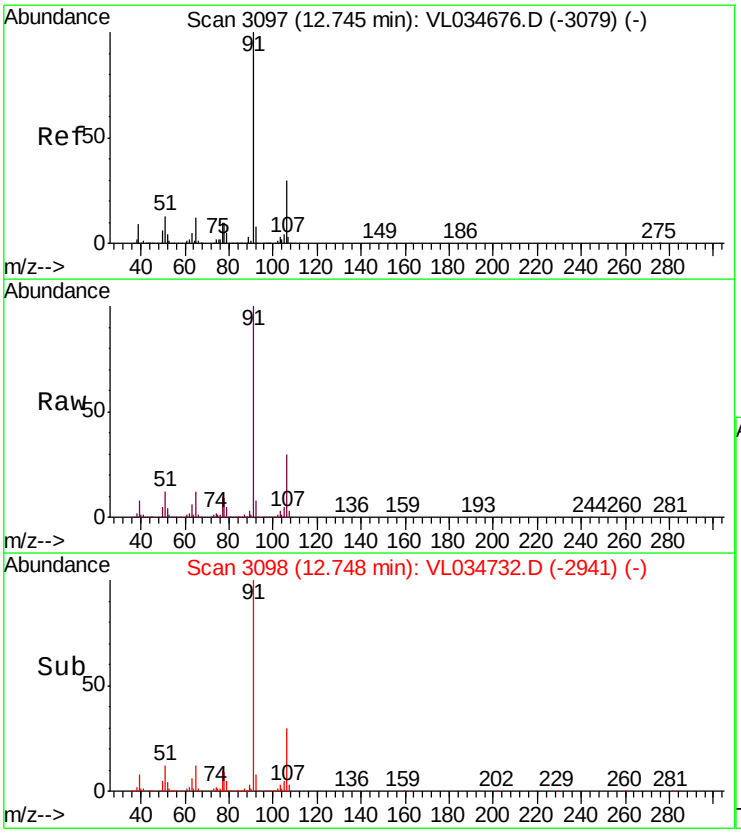
#57
Chlorobenzene
Concen: 8.001 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. -0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:112 Resp: 1676115

Ion	Ratio	Lower	Upper
112	100		
77	71.2	56.5	84.7
114	33.0	28.1	34.3

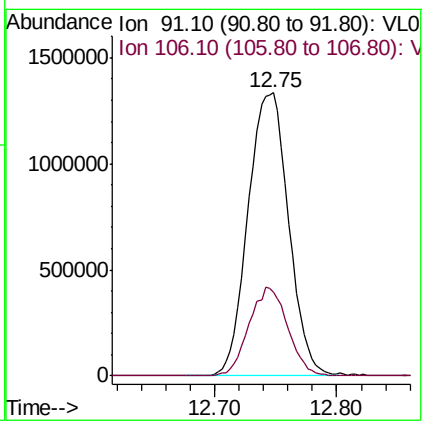


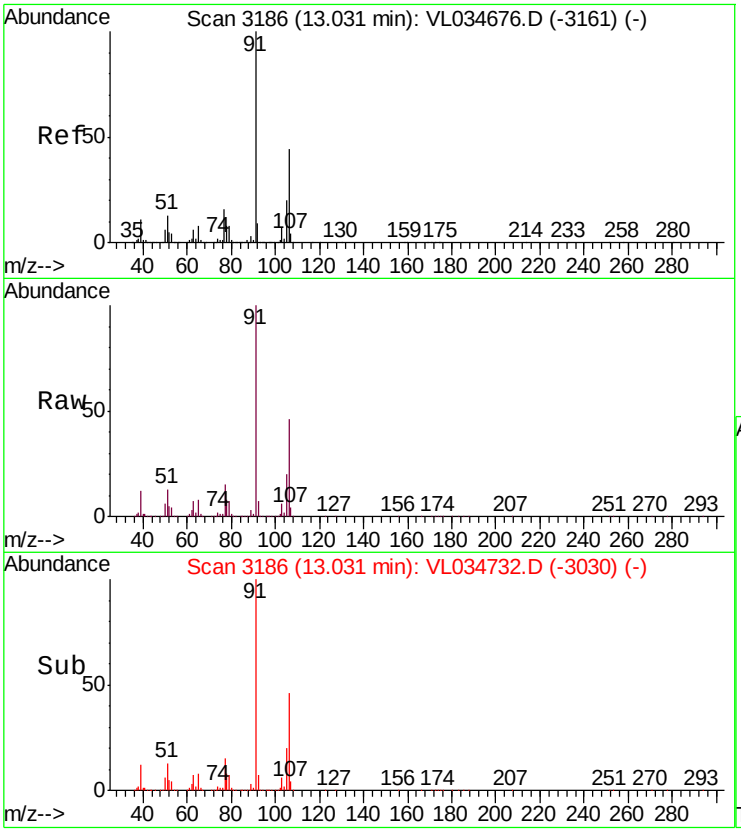


#58
Ethyl Benzene
Concen: 8.946 ppbv
RT: 12.75 min Scan# 3098
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 91 Resp: 3067553

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.0	36.0



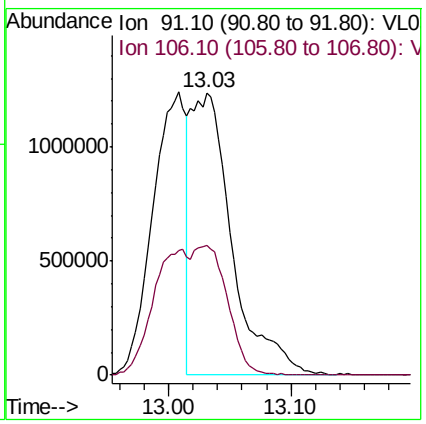


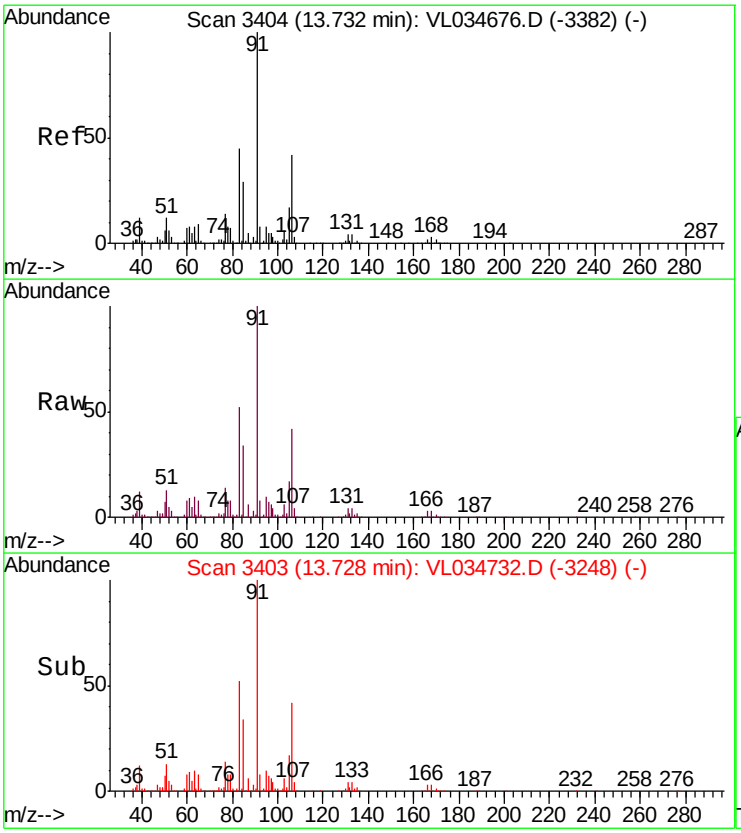
#59
m/p-Xylene
Concen: 9.562 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2859842

Ion	Ratio	Lower	Upper
91	100		
106	78.6	35.6	53.4#

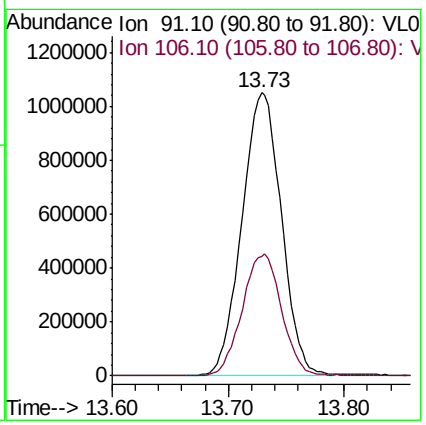


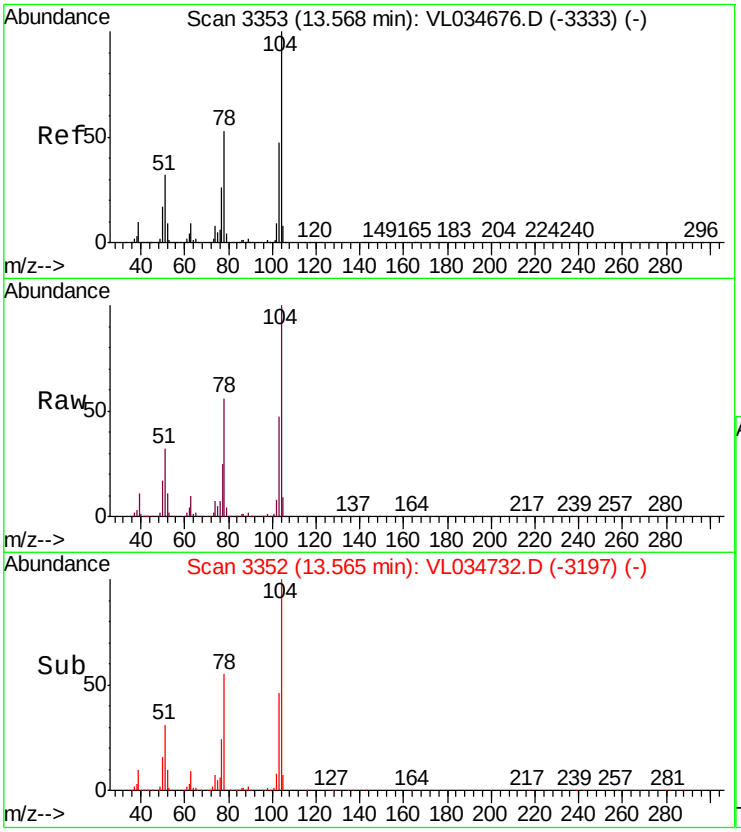


#60
o-Xylene
Concen: 8.377 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. -0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 91 Resp: 2486113

Ion	Ratio	Lower	Upper
91	100		
106	43.2	21.9	65.5



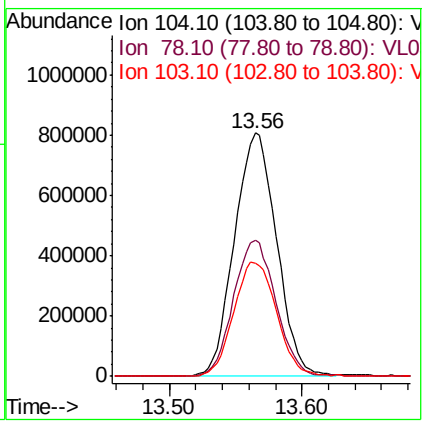


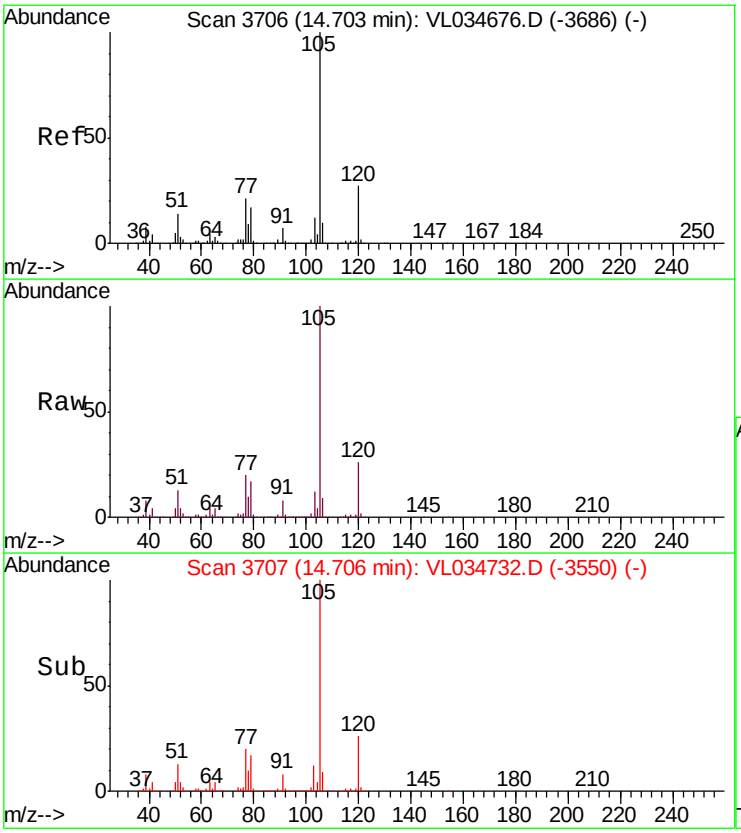
#61
Styrene
Concen: 9.334 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1779480

Ion	Ratio	Lower	Upper
104	100		
78	56.5	44.2	66.4
103	48.3	37.4	56.0

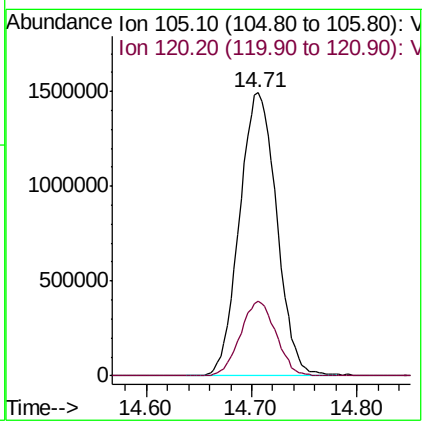


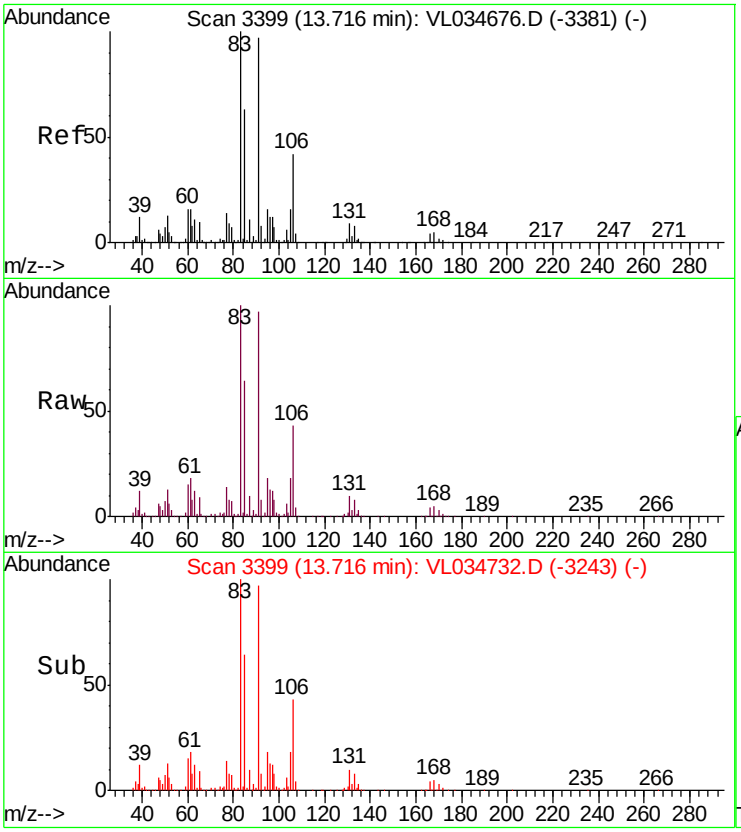


#62
Isopropylbenzene
Concen: 8.466 ppbv
RT: 14.71 min Scan# 3707
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion:105 Resp: 3665009

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.2	30.4



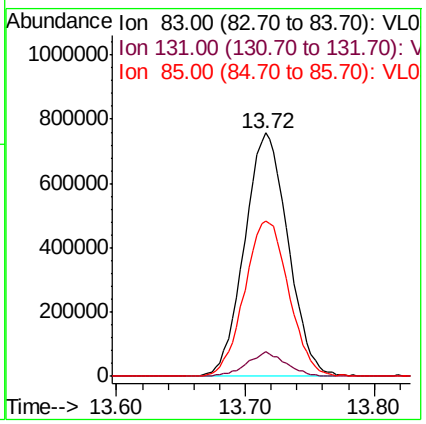


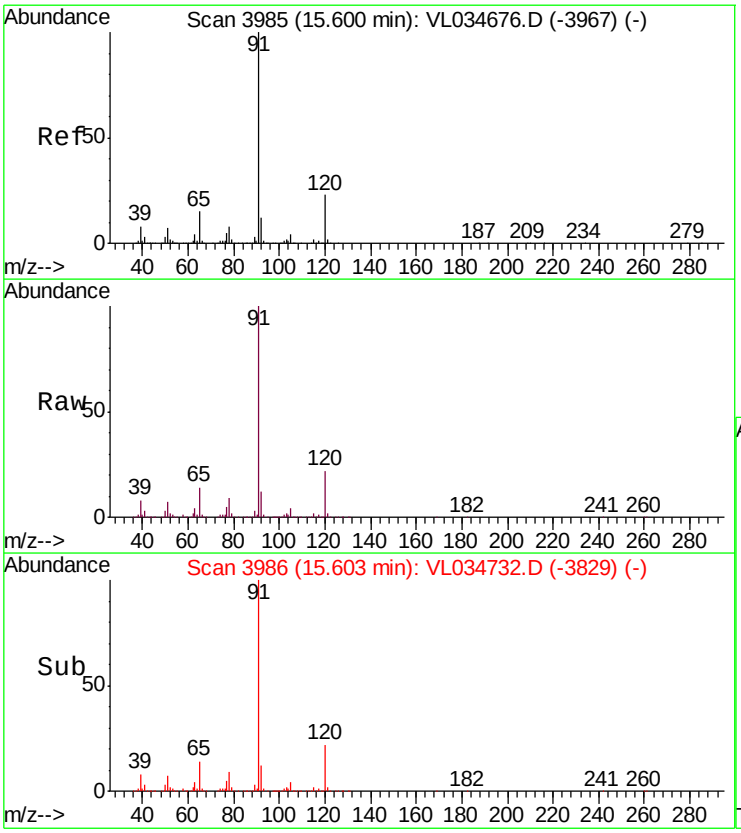
#63
1,1,2,2-Tetrachloroethane
Concen: 7.686 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1777805

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.4	13.2
85	65.0	32.5	97.5

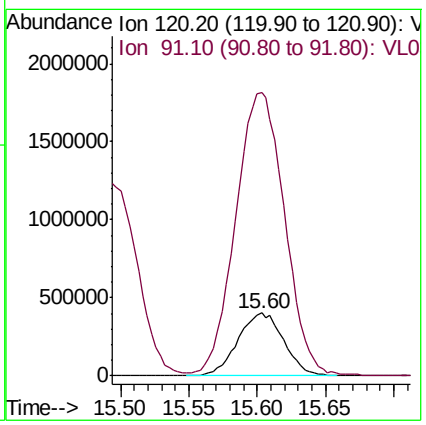


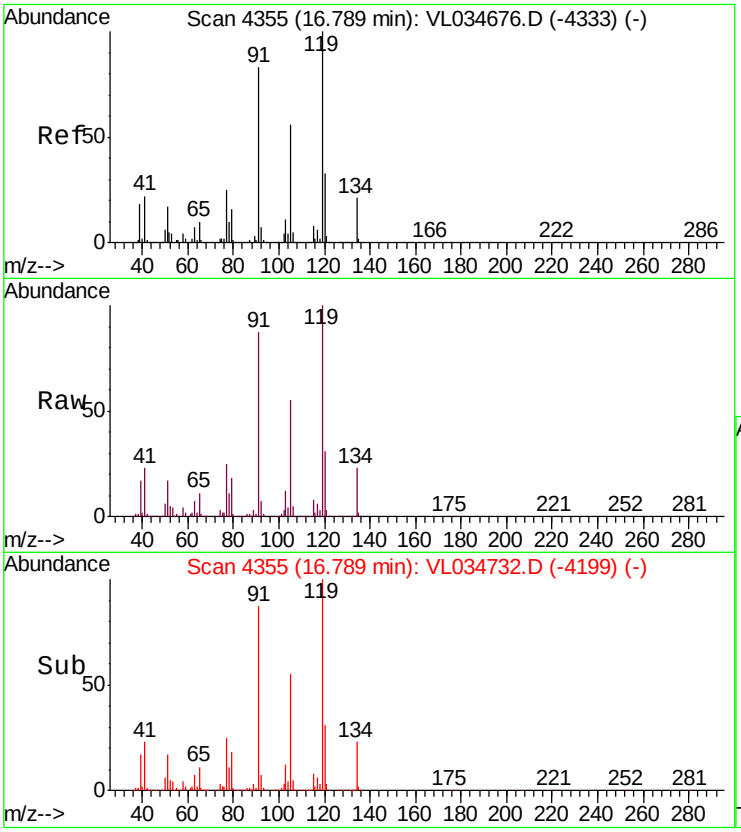


#64
n-propylbenzene
Concen: 8.378 ppbv
RT: 15.60 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion:120 Resp: 935061

Ion	Ratio	Lower	Upper
120	100		
91	485.5	369.8	554.8



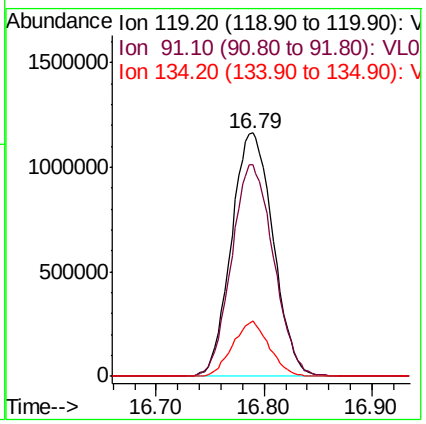


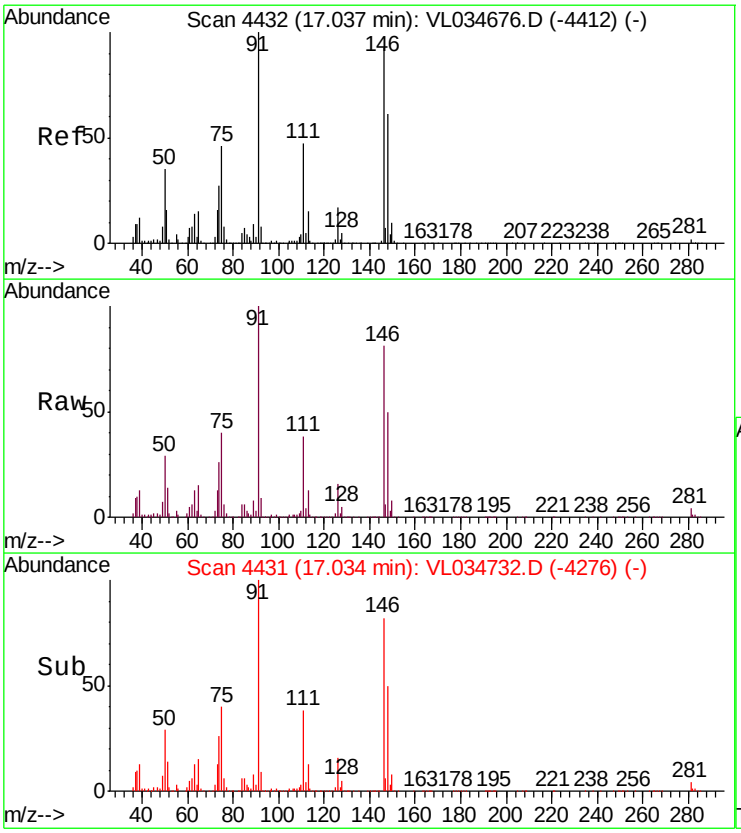
#65
tert-Butylbenzene
Concen: 8.392 ppbv
RT: 16.79 min Scan# 4355
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3137139

Ion	Ratio	Lower	Upper
119	100		
91	87.6	69.1	103.7
134	19.8	15.8	23.8

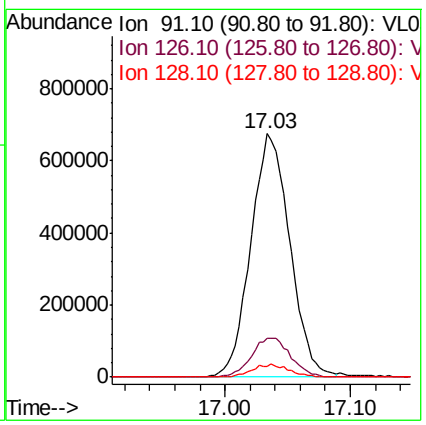


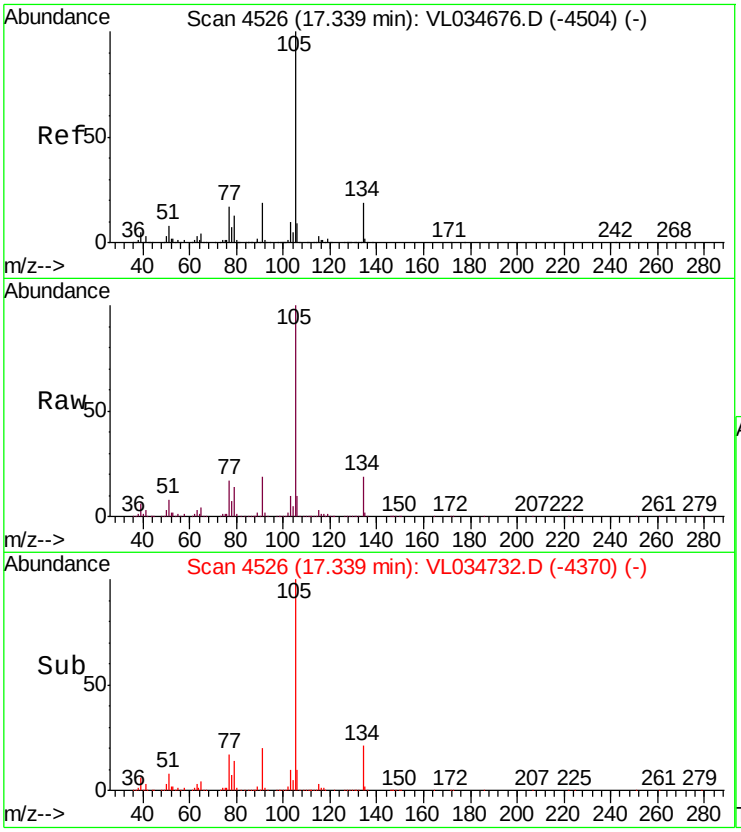


#66
Benzyl Chloride
Concen: 10.485 ppbv
RT: 17.03 min Scan# 4431
Delta R.T. -0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 91 Resp: 1462055

Ion	Ratio	Lower	Upper
91	100		
126	16.2	13.5	20.3
128	5.0	4.2	6.4



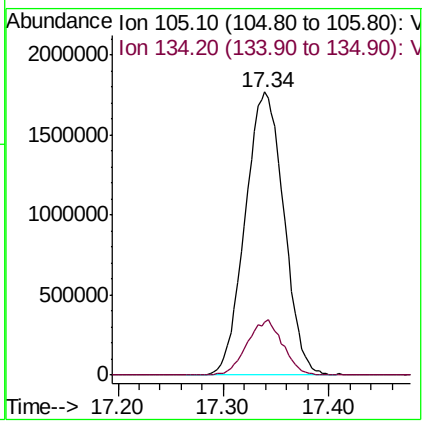


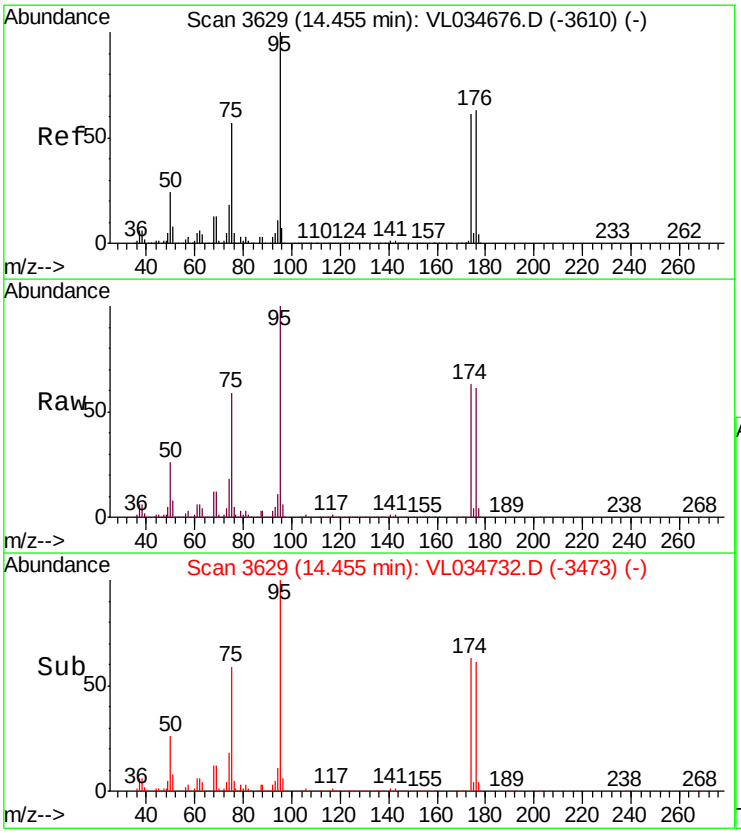
#67
sec-Butylbenzene
Concen: 8.380 ppbv
RT: 17.34 min Scan# 4526
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 4507720

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.8	22.2

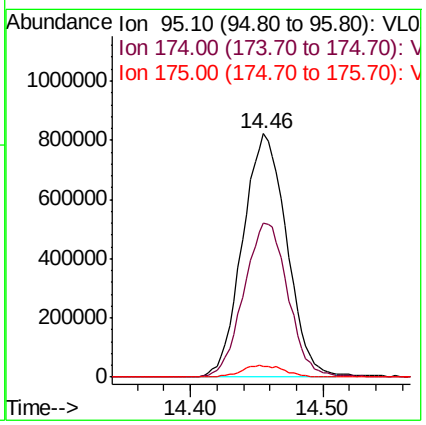


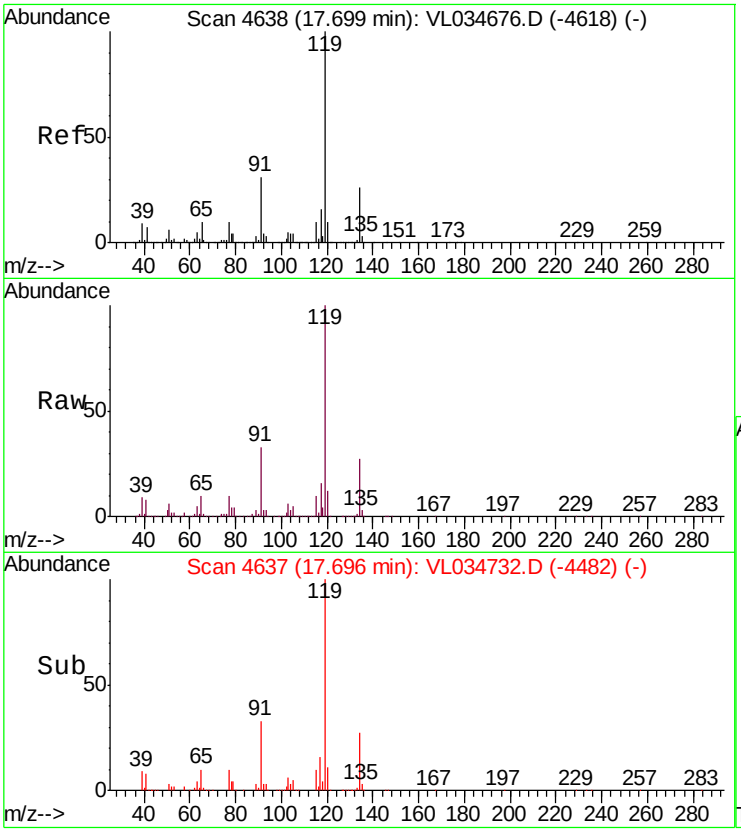


#68
1-Bromo-4-Fluorobenzene
Concen: 8.160 ppbv
RT: 14.46 min Scan# 3629
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 95 Resp: 1896212

Ion	Ratio	Lower	Upper
95	100		
174	63.7	50.7	76.1
175	4.6	3.9	5.9



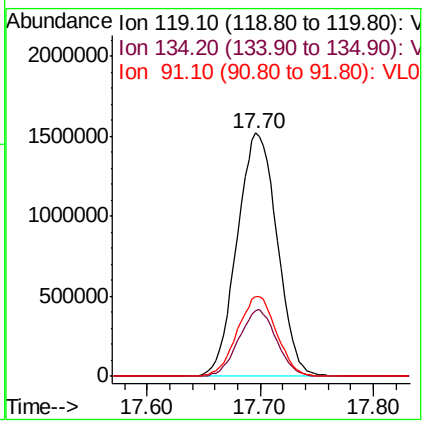


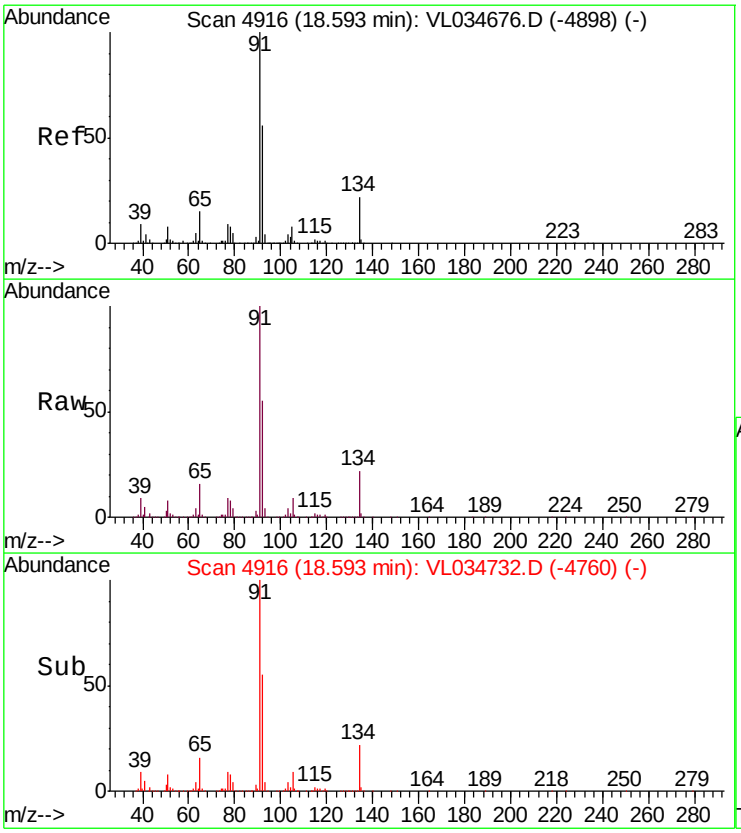
#69
p-Isopropyltoluene
Concen: 8.434 ppbv
RT: 17.70 min Scan# 4637
Delta R.T. -0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 3734620

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	32.2	25.3	37.9

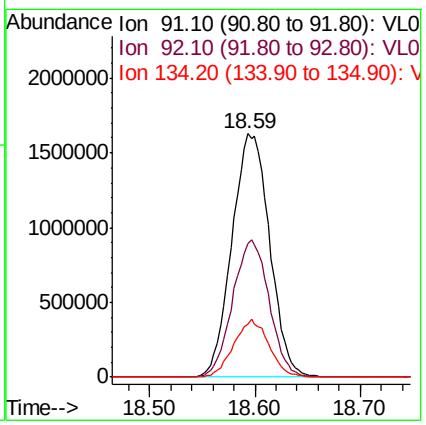


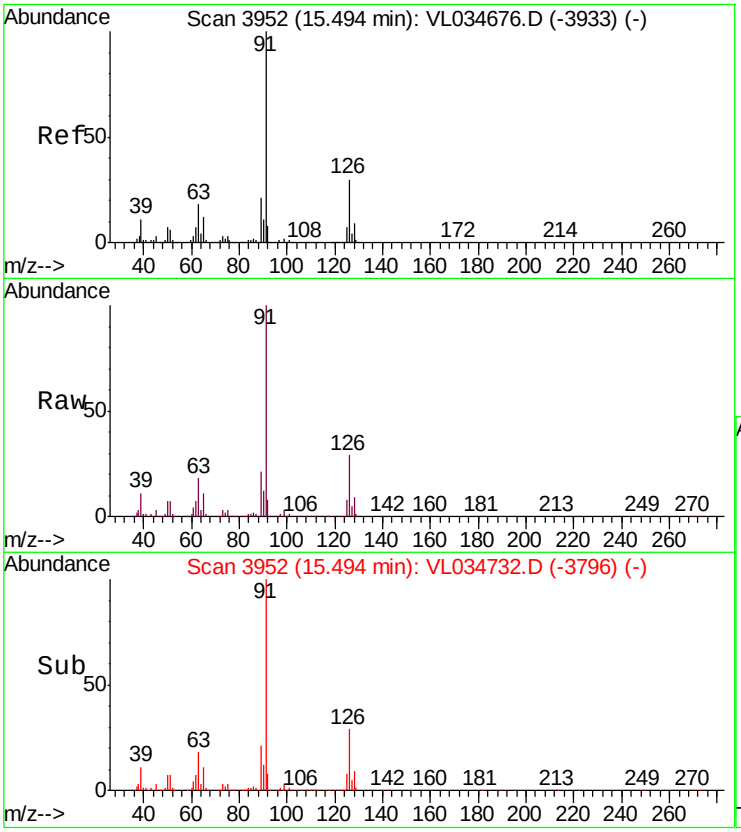


#70
n-Butylbenzene
Concen: 8.372 ppbv
RT: 18.59 min Scan# 4916
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion: 91 Resp: 4037003

Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.8	65.6
134	22.1	17.6	26.4



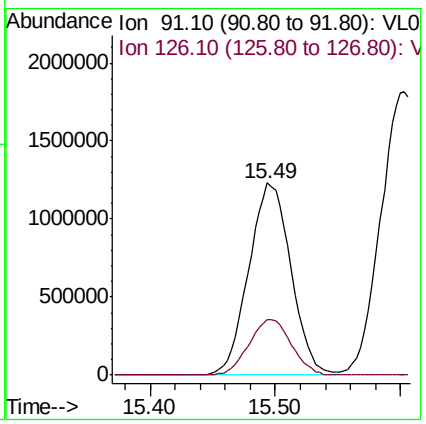


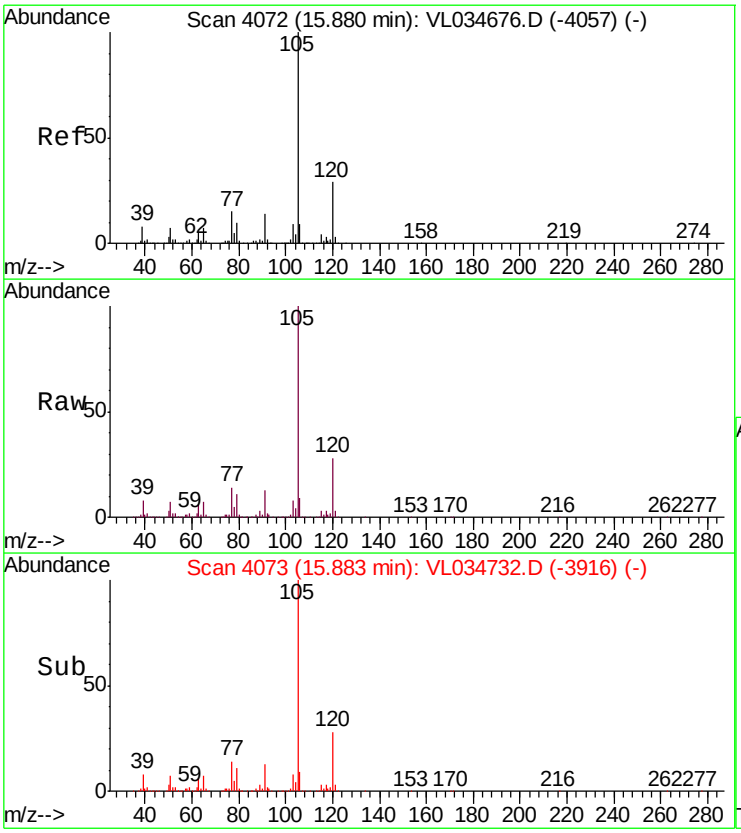
#71
2-Chlorotoluene
Concen: 8.563 ppbv
RT: 15.49 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2871332

Ion	Ratio	Lower	Upper
91	100		
126	29.3	11.8	47.2

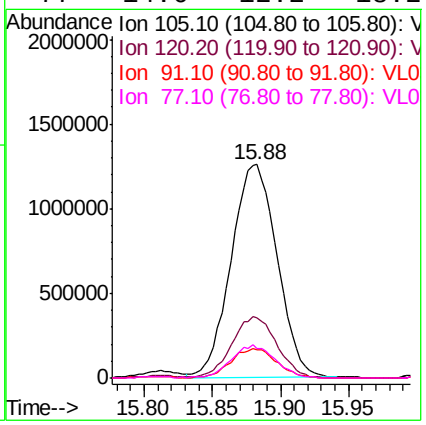


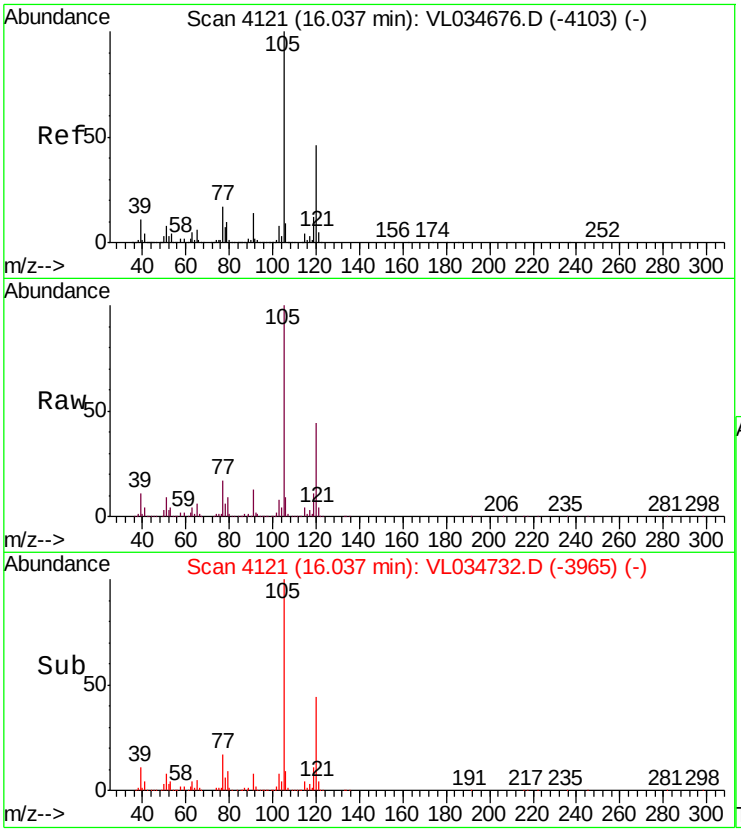


#72
4-Ethyltoluene
Concen: 8.936 ppbv
RT: 15.88 min Scan# 4073
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion:105 Resp: 2951733

Ion	Ratio	Lower	Upper
105	100		
120	28.3	23.7	35.5
91	13.4	10.9	16.3
77	14.6	12.2	18.2



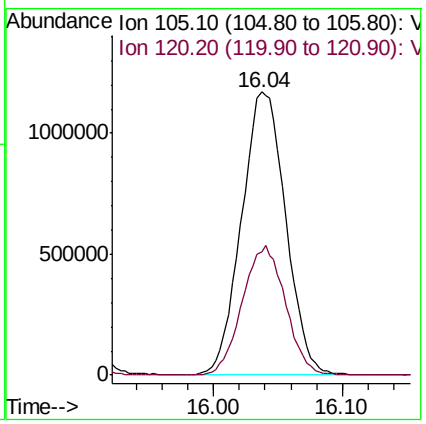


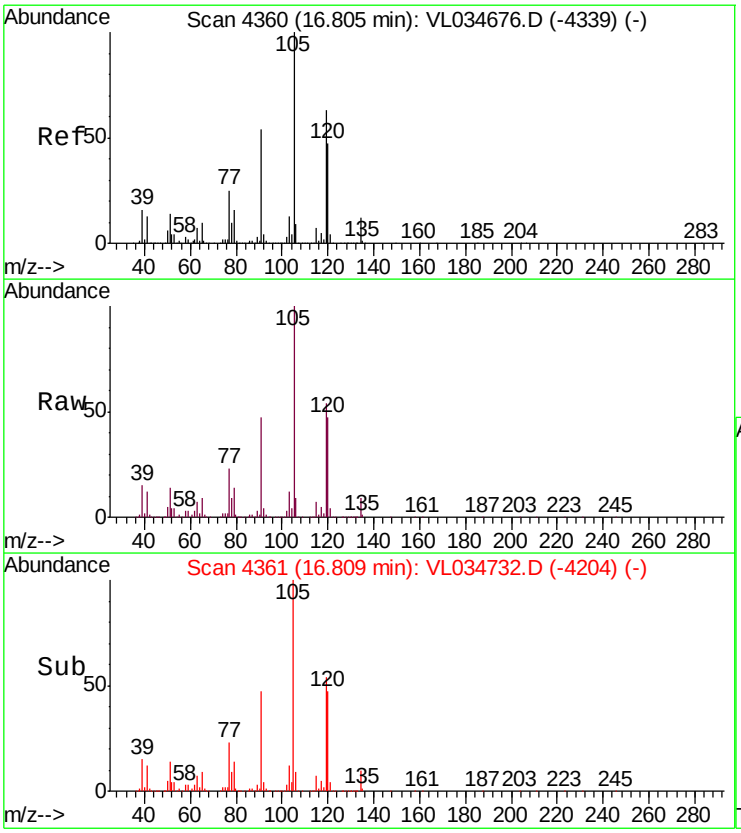
#73
1,3,5-Trimethylbenzene
Concen: 8.754 ppbv
RT: 16.04 min Scan# 4121
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 2781756

Ion	Ratio	Lower	Upper
105	100		
120	43.7	37.1	55.7

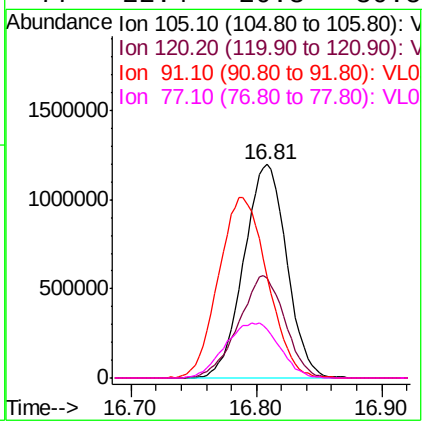


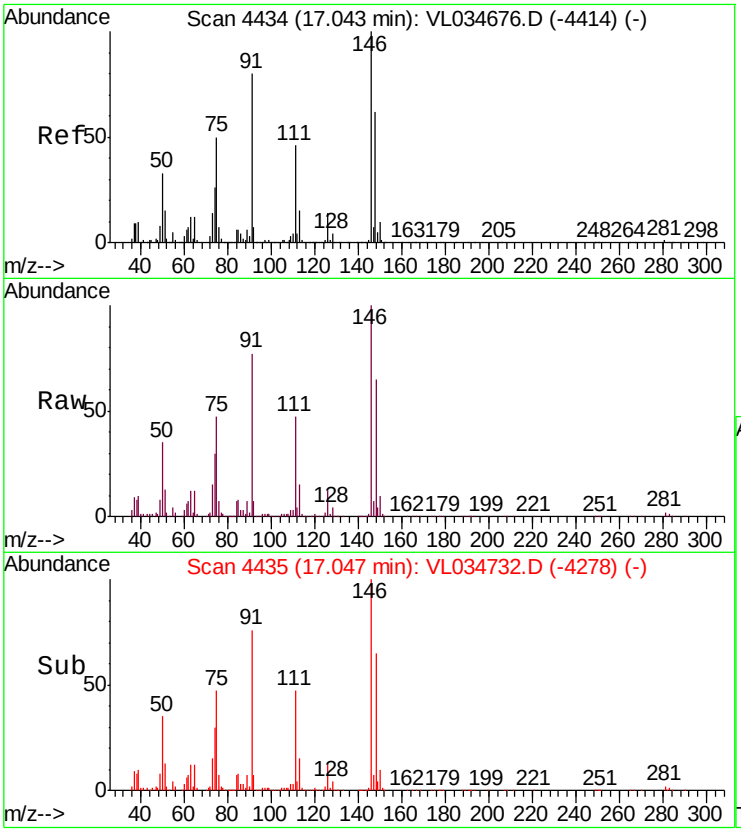


#74
1,2,4-Trimethylbenzene
Concen: 8.092 ppbv
RT: 16.81 min Scan# 4361
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion:105 Resp: 2839675

Ion	Ratio	Lower	Upper
105	100		
120	46.9	37.9	56.9
91	47.1	43.9	65.9
77	22.4	20.3	30.5



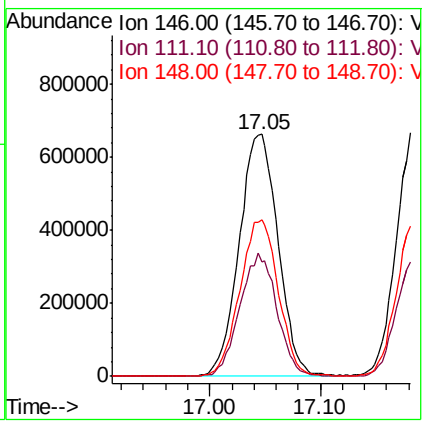


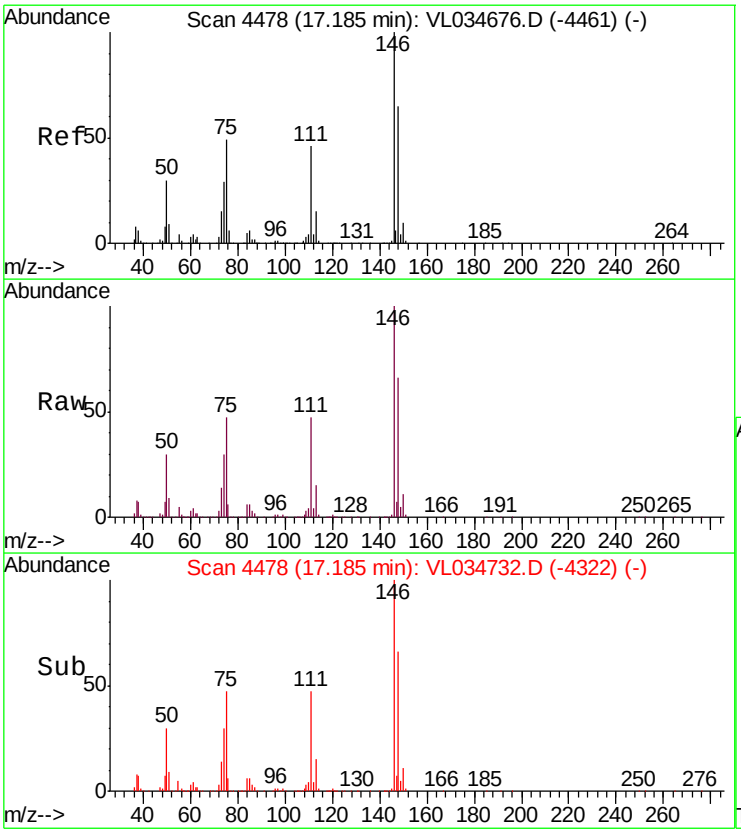
#75
1,3-Dichlorobenzene
Concen: 8.002 ppbv
RT: 17.05 min Scan# 4435
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1620927

Ion	Ratio	Lower	Upper
146	100		
111	48.3	24.4	73.2
148	64.0	32.5	97.4

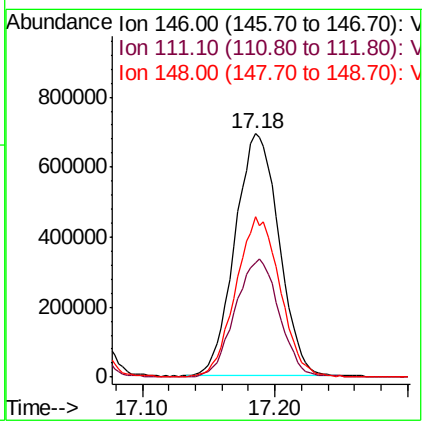


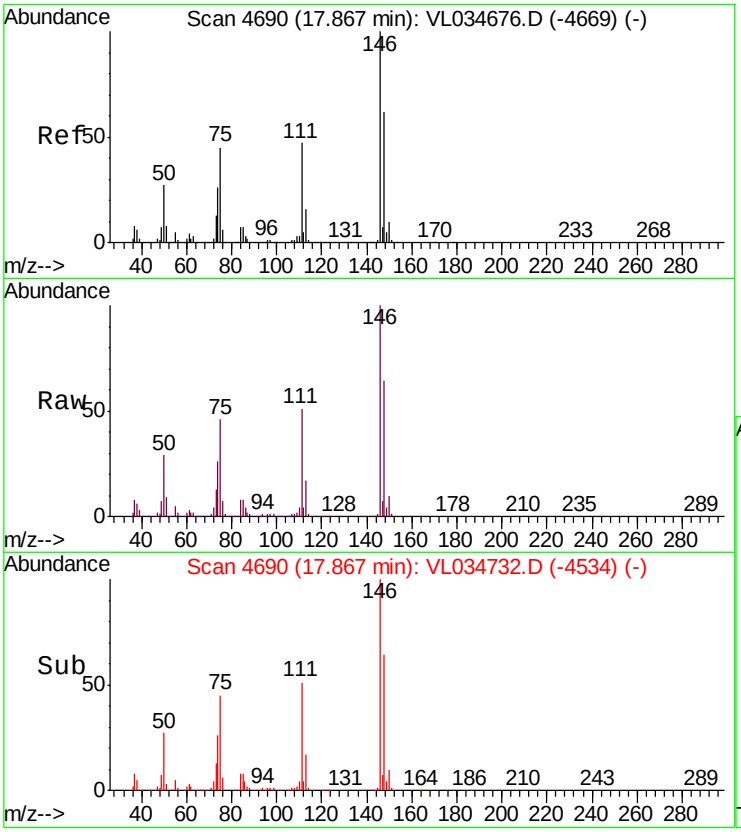


#76
1,4-Dichlorobenzene
Concen: 7.889 ppbv
RT: 17.18 min Scan# 4478
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion:146 Resp: 1598785

Ion	Ratio	Lower	Upper
146	100		
111	49.0	23.4	70.0
148	66.4	31.9	95.5



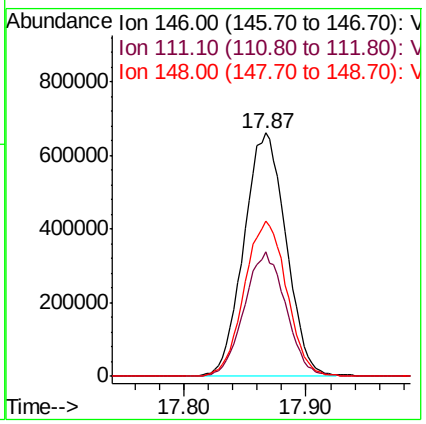


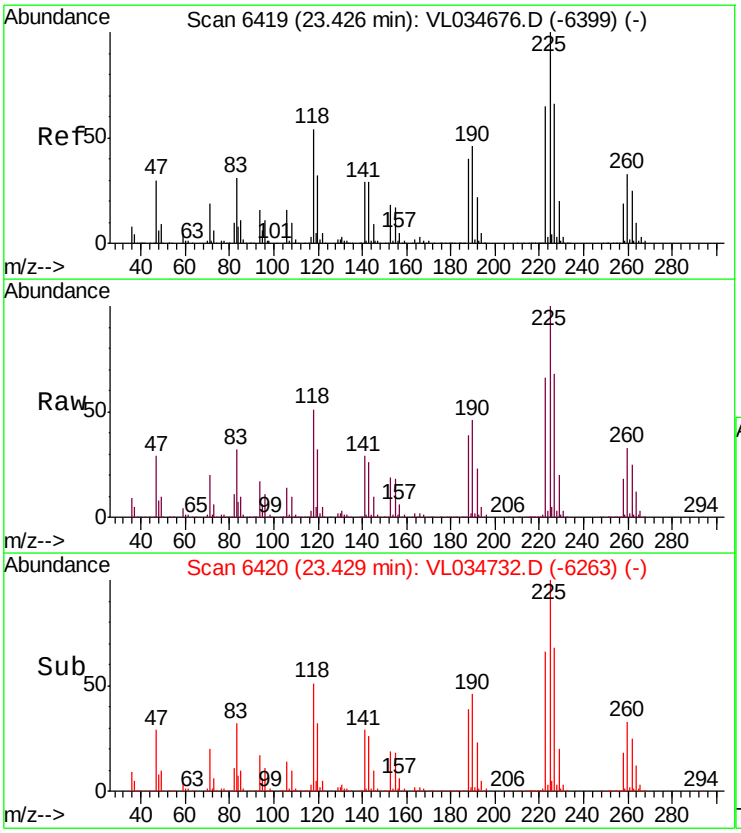
#77
1,2-Dichlorobenzene
Concen: 8.054 ppbv
RT: 17.87 min Scan# 4690
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1577415

Ion	Ratio	Lower	Upper
146	100		
111	50.4	24.9	74.7
148	64.2	32.0	96.0

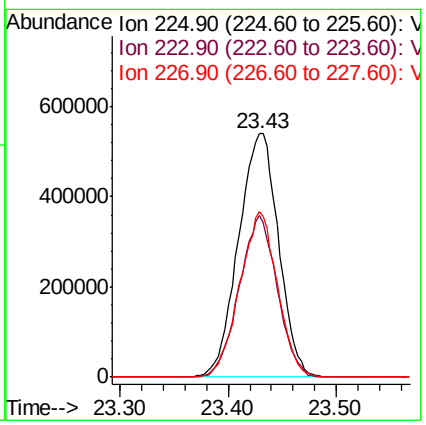


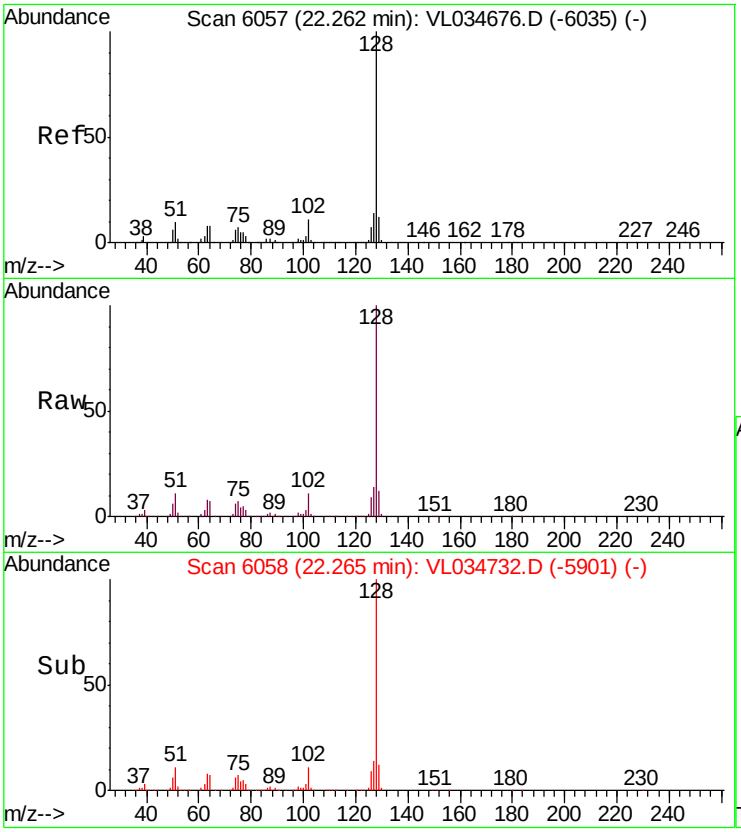


#78
Hexachloro-1,3-Butadiene
Concen: 8.173 ppbv
RT: 23.43 min Scan# 6420
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion:225 Resp: 1393752

Ion	Ratio	Lower	Upper
225	100		
223	62.9	51.3	76.9
227	63.9	51.3	76.9



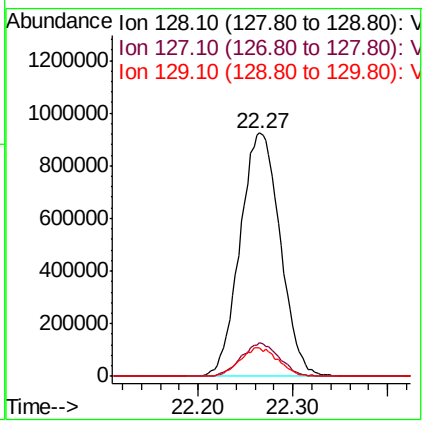


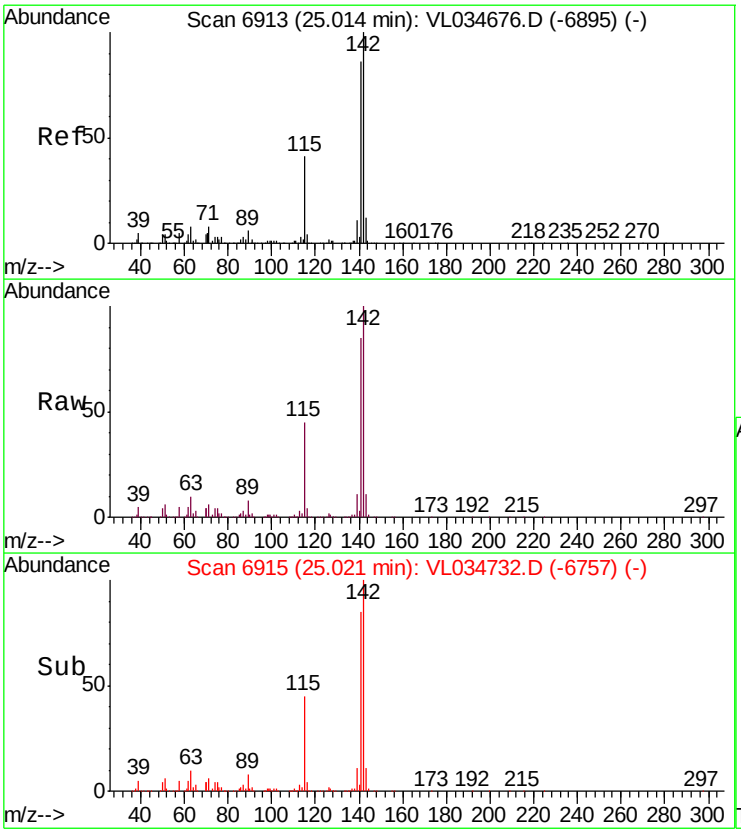
#79
Naphthalene
Concen: 8.819 ppbv
RT: 22.27 min Scan# 6058
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2723500

Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.0	16.6
129	11.7	9.4	14.2

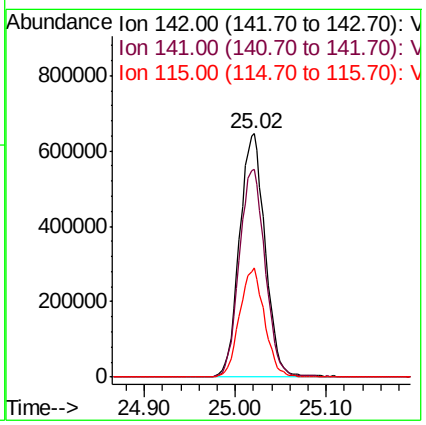


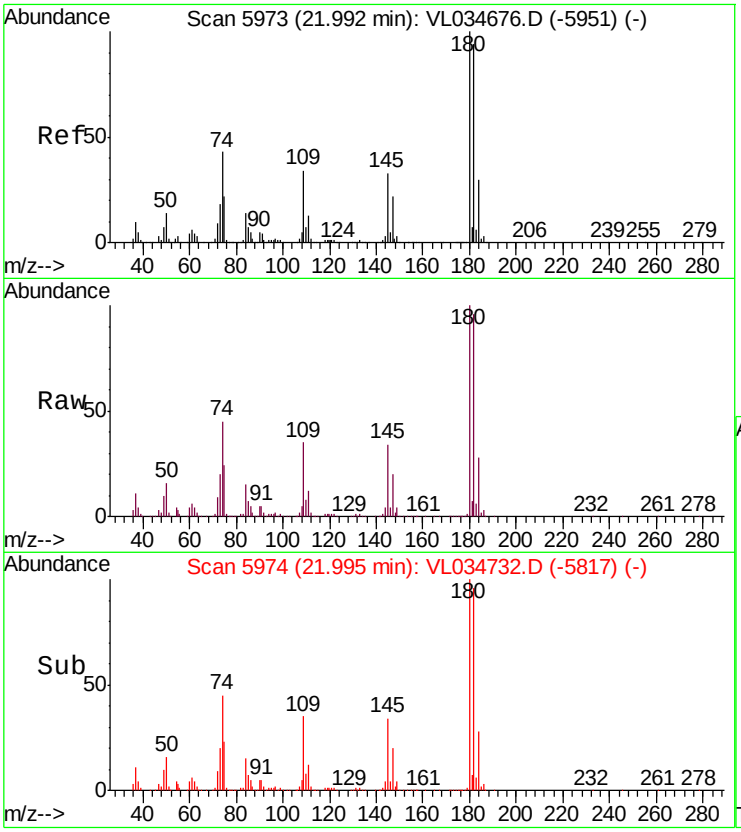


#80
Naphthalene,2-methyl-
Concen: 13.280 ppbv
RT: 25.02 min Scan# 6915
Delta R.T. 0.01 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Tgt Ion:142 Resp: 1265012

Ion	Ratio	Lower	Upper
142	100		
141	86.5	66.5	99.7
115	44.0	30.6	46.0





#81
1,2,4-Trichlorobenzene
Concen: 8.370 ppbv
RT: 22.00 min Scan# 5974
Delta R.T. 0.00 min
Lab File: VL034732.D
Acq: 28 Feb 2020 9:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1542831

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.5	114.7
184	30.9	25.2	37.8