Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051220\
Data File : VL035016.D
Acq On : 13 May 2020 10:34
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: May 14 00:45:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	772651	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	1909996	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	1916254	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	1408951	9.08	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 90.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.00	85	981376	8.949	ppbv	97
3) Chlorodifluoromethane	2.93	51	881116	9.988	ppbv	95
4) Chloromethane	3.09	50	509360	10.075	ppbv	100
5) Vinyl Chloride	3.21	62	483540	9.805	ppbv	97
6) Bromomethane	3.43	94	286782	9.739	ppbv	98
7) Chloroethane	3.51	64	178818	10.096	ppbv	95
8) Dichlorotetrafluoroethane	3.14	85	1061400	9.353	ppbv	94
9) Propene	2.96	41	446073	11.653	ppbv	99
10) Heptane	8.12	43	1111964	11.595	ppbv	95
11) Trichlorofluoromethane	3.91	101	1064238	9.412	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	763030	9.477	ppbv	96
13) Ethanol	3.56	45	98293	7.782	ppbv	99
14) Bromoethene	3.69	108	349465	10.503	ppbv	100
15) Acetone	3.81	43	891801	8.730	ppbv	99
16) 1,3-Butadiene	3.28	39	472664	10.753	ppbv	95
17) tert-Butyl alcohol	4.25	59	878198	9.663	ppbv	100
18) 1,1-Dichloroethene	4.25	96	357507	10.235	ppbv	91
19) Isopropyl Alcohol	3.93	45	595839	8.747	ppbv	99
20) Methylene Chloride	4.30	84	307287	9.088	ppbv	99
21) Allyl Chloride	4.38	41	618885	10.726	ppbv	98
22) trans-1,2-Dichloroethene	4.85	96	351870	10.170	ppbv	98
23) Vinyl Acetate	5.04	43	1447328	11.174	ppbv	99
24) 1,1-Dichloroethane	4.98	63	970823	9.731	ppbv	98
25) Ethyl Acetate	5.65	43	1848709	10.775	ppbv	99
26) Hexane	5.66	57	802798	10.792	ppbv	98
27) Carbon Disulfide	4.51	76	832087	9.491	ppbv	99
28) Methyl tert-Butyl Ether	5.00	73	1246897	11.006	ppbv	98
29) Chloroform	5.73	83	1128531	9.272	ppbv	99
30) Cyclohexane	7.12	84	673840	11.739	ppbv	97
31) cis-1,2-Dichloroethene	5.52	61	808075	11.134	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	1043924	9.498	ppbv	99
34) 2-Butanone	5.21	43	1256539	10.585	ppbv	98
35) Carbon Tetrachloride	7.01	117	1031723	8.558	ppbv	97
36) Benzene	6.88	78	1633766	10.375	ppbv	98
37) 1,2-Dichloroethane	6.29	62	876244	9.021	ppbv	99
38) Trichloroethene	7.83	130	643270	10.544	ppbv	98
39) 1,2-Dichloropropane	7.61	63	640279	10.143	ppbv	97
40) 1,4-Dioxane	7.82	88	230883	8.998	ppbv	78
41) Tetrahydrofuran	6.02	42	728542	11.657	ppbv	96
42) Bromodichloromethane	7.79	83	1151619	8.791	ppbv	98
43) Methyl Methacrylate	8.01	69	719921	10.827	ppbv	95

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051220\
Data File : VL035016.D
Acq On : 13 May 2020 10:34
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: May 14 00:45:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	2781458	9.935	ppbv		98
45) t-1,3-Dichloropropene	9.28	75	754192	11.239	ppbv		96
46) cis-1,3-Dichloropropene	8.70	75	927210	11.255	ppbv		97
47) 1,1,2-Trichloroethane	9.48	97	646421	9.704	ppbv		92
48) Dibromochloromethane	10.31	129	961333	9.384	ppbv		100
49) Bromoform	13.07	173	799670	9.072	ppbv		99
50) 4-Methyl-2-Pentanone	8.74	43	1810167	10.694	ppbv		98
51) 2-Hexanone	10.13	43	1498422	11.317	ppbv	#	97
52) Tetrachloroethene	11.24	164	663971	11.858	ppbv		98
53) Toluene	9.81	91	1878441	11.253	ppbv		100
54) 1,2-Dibromoethane	10.62	107	974368	9.961	ppbv		95
56) 1,1,1,2-Tetrachloroethane	12.14	131	731052	8.460	ppbv		94
57) Chlorobenzene	12.16	112	1360556	8.962	ppbv		95
58) Ethyl Benzene	12.73	91	2469667	10.422	ppbv		99
59) m/p-Xylene	13.01	91	1740067	8.346	ppbv	#	76
60) o-Xylene	13.71	91	1899299	9.232	ppbv		99
61) Styrene	13.55	104	1453321	11.163	ppbv		97
62) Isopropylbenzene	14.69	105	2905768	9.460	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1272040	7.855	ppbv		99
64) n-propylbenzene	15.58	120	406705	5.162	ppbv		71
65) tert-Butylbenzene	16.77	119	2503387	9.397	ppbv		96
66) Benzyl Chloride	17.01	91	738619	8.167	ppbv		99
67) sec-Butylbenzene	17.32	105	3570568	9.389	ppbv		99
69) p-Isopropyltoluene	17.68	119	3035602	9.867	ppbv		98
70) n-Butylbenzene	18.58	91	3168345	9.676	ppbv		99
71) 2-Chlorotoluene	15.48	91	2207734	9.522	ppbv		98
72) 4-Ethyltoluene	15.86	105	2318322	10.100	ppbv		98
73) 1,3,5-Trimethylbenzene	16.02	105	2149304	9.622	ppbv		99
74) 1,2,4-Trimethylbenzene	16.79	105	2206684	9.051	ppbv		97
75) 1,3-Dichlorobenzene	17.03	146	1309323	9.145	ppbv		98
76) 1,4-Dichlorobenzene	17.17	146	1319352	9.699	ppbv		99
77) 1,2-Dichlorobenzene	17.85	146	1305782	9.680	ppbv		99
78) Hexachloro-1,3-Butadiene	23.41	225	1182865	10.287	ppbv		99
79) Naphthalene	22.24	128	2732134	14.390	ppbv		99
80) Naphthalene,2-methyl-	25.00	142	831507	17.816	ppbv		98
81) 1,2,4-Trichlorobenzene	21.97	180	1406149	12.213	ppbv		100

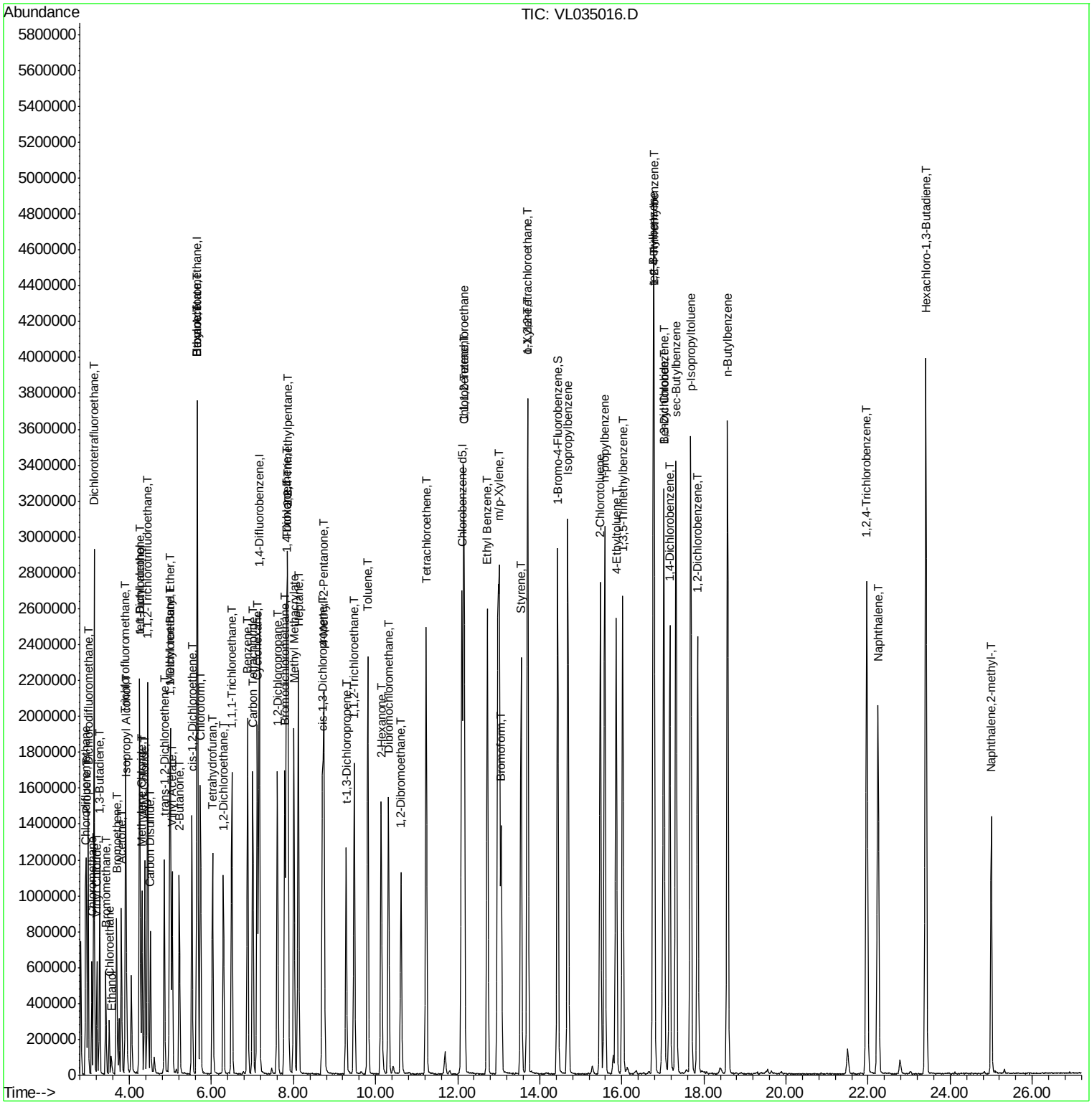
(#) = qualifier out of range (m) = manual integration (+) = signals summed

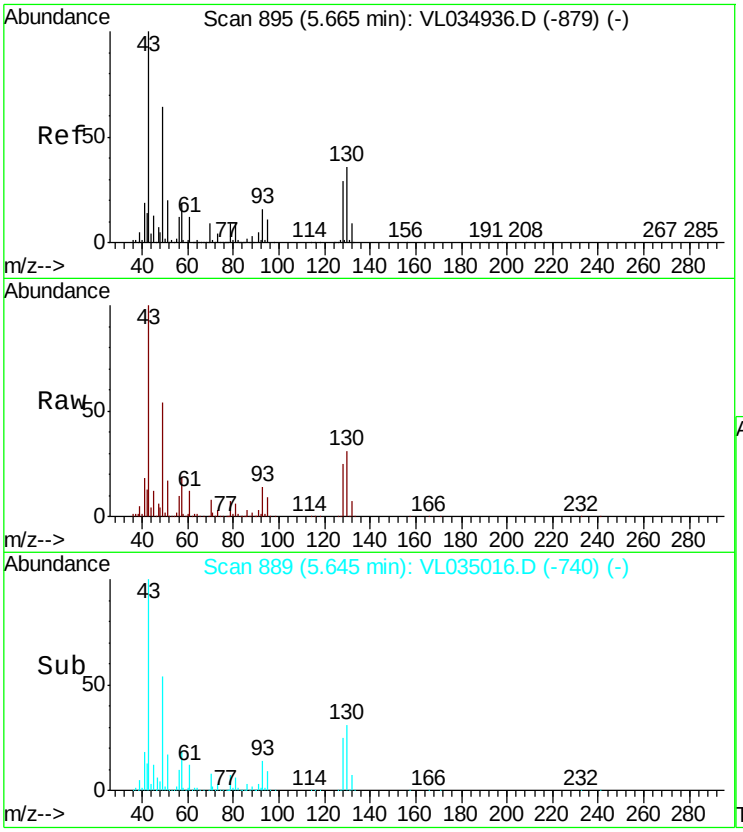
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051220\
Data File : VL035016.D
Acq On : 13 May 2020 10:34
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: May 14 00:45:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration



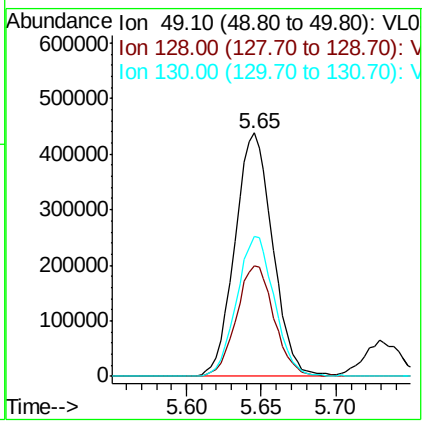


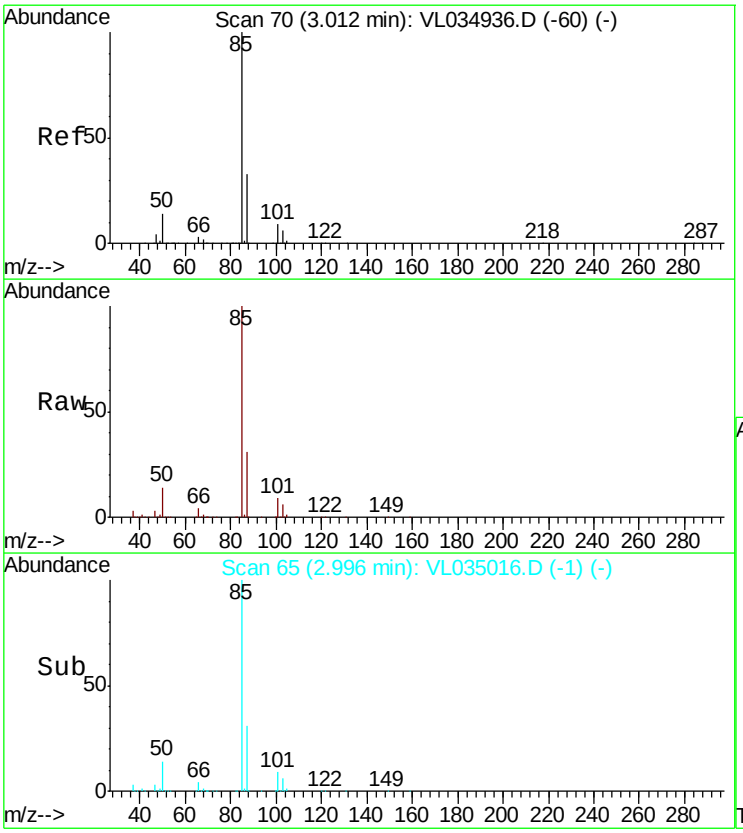
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 772651

Ion	Ratio	Lower	Upper
49	100		
128	45.4	22.1	66.5
130	57.5	29.1	87.3

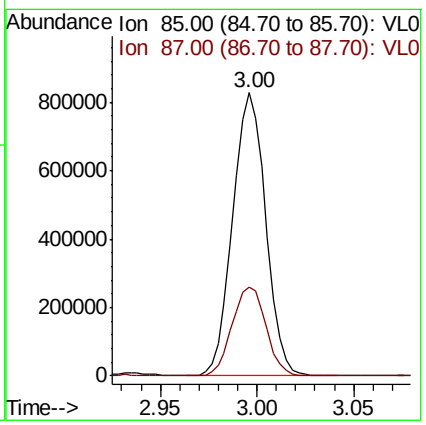


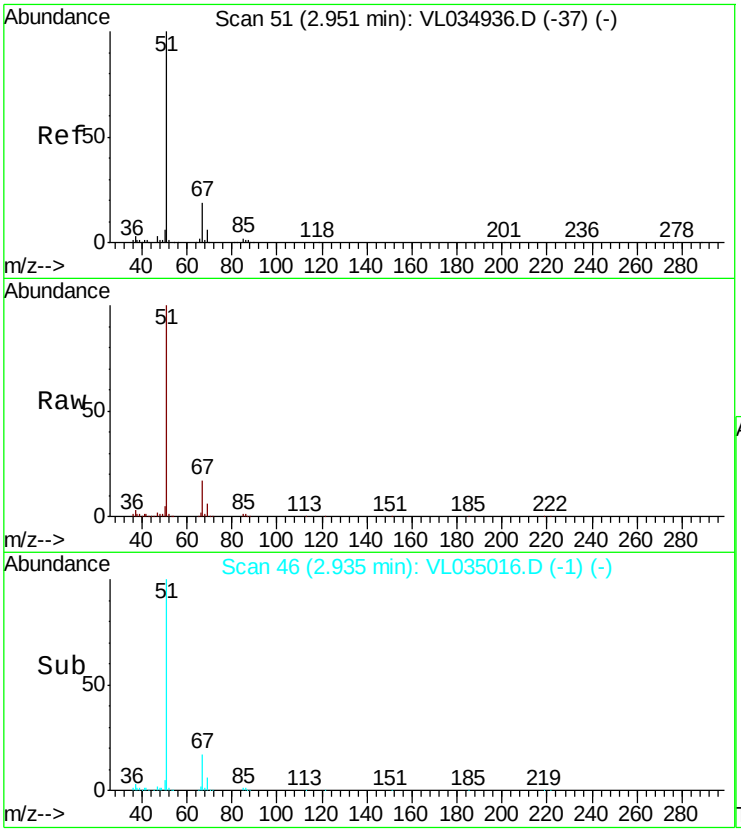


#2
Dichlorodifluoromethane
Concen: 8.949 ppbv
RT: 3.00 min Scan# 65
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 85 Resp: 981376

Ion	Ratio	Lower	Upper
85	100		
87	31.2	26.2	39.2



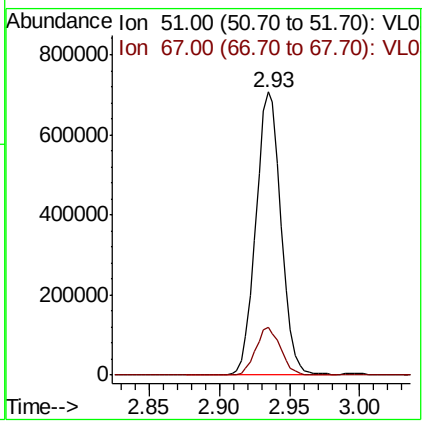


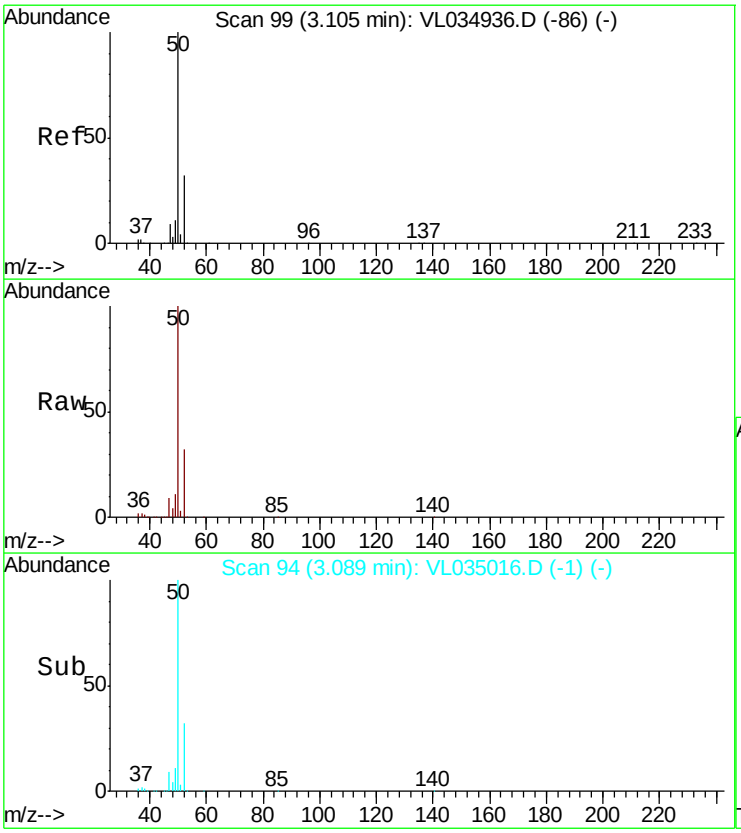
#3
Chlorodifluoromethane
Concen: 9.988 ppbv
RT: 2.93 min Scan# 46
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 51 Resp: 881116

Ion	Ratio	Lower	Upper
51	100		
67	16.8	15.0	22.6

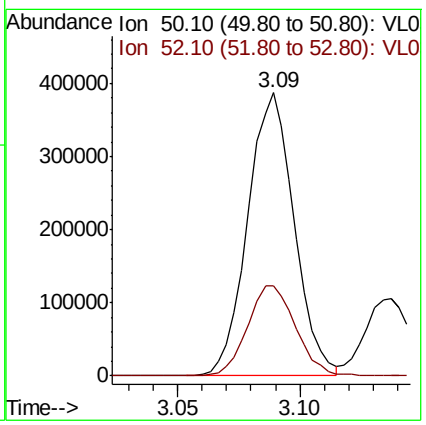


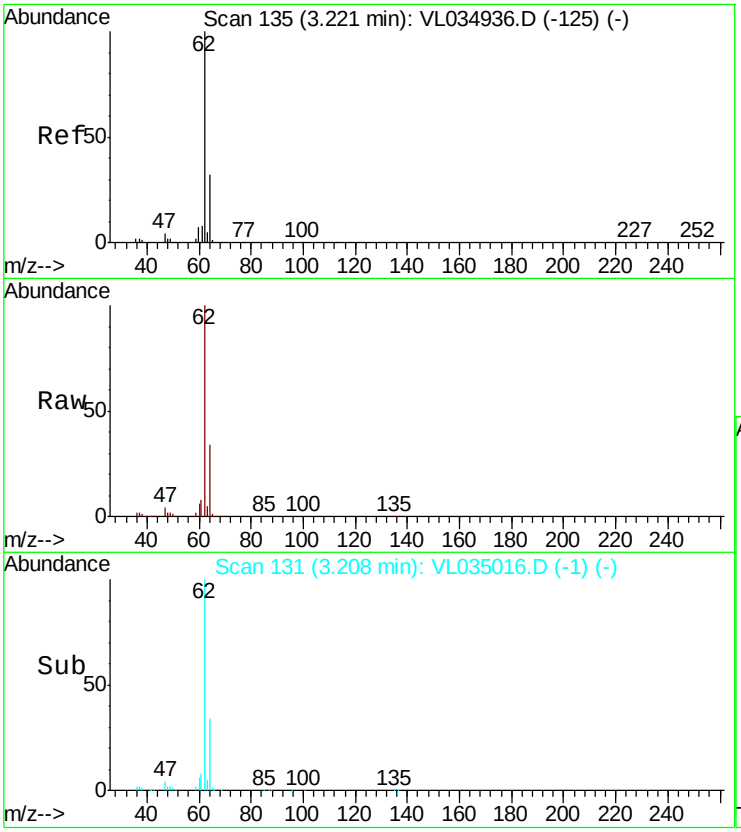


#4
Chloromethane
Concen: 10.075 ppbv
RT: 3.09 min Scan# 94
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 50 Resp: 509360

Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.4	38.2



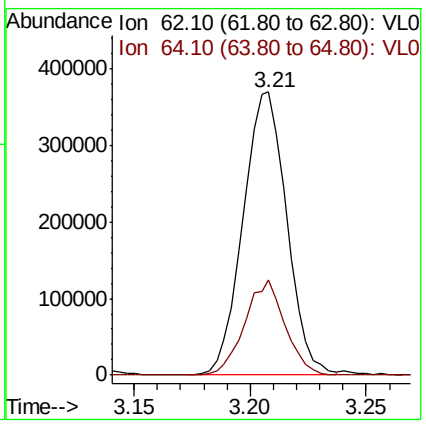


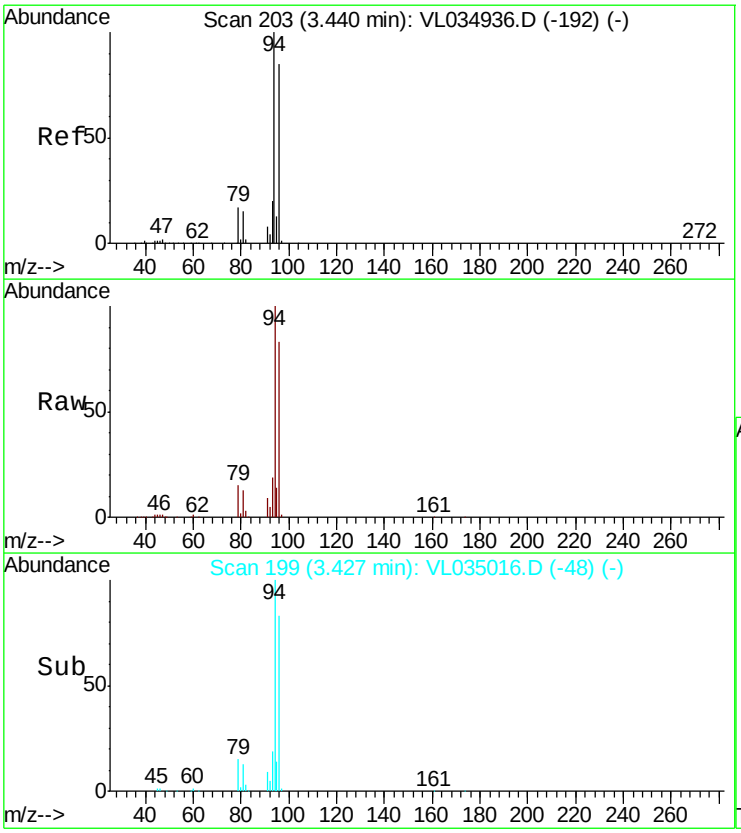
#5
Vinyl Chloride
Concen: 9.805 ppbv
RT: 3.21 min Scan# 131
Delta R.T. -0.01 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 483540

Ion	Ratio	Lower	Upper
62	100		
64	33.7	25.7	38.5

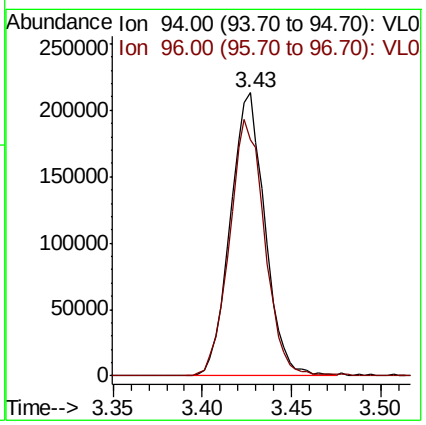


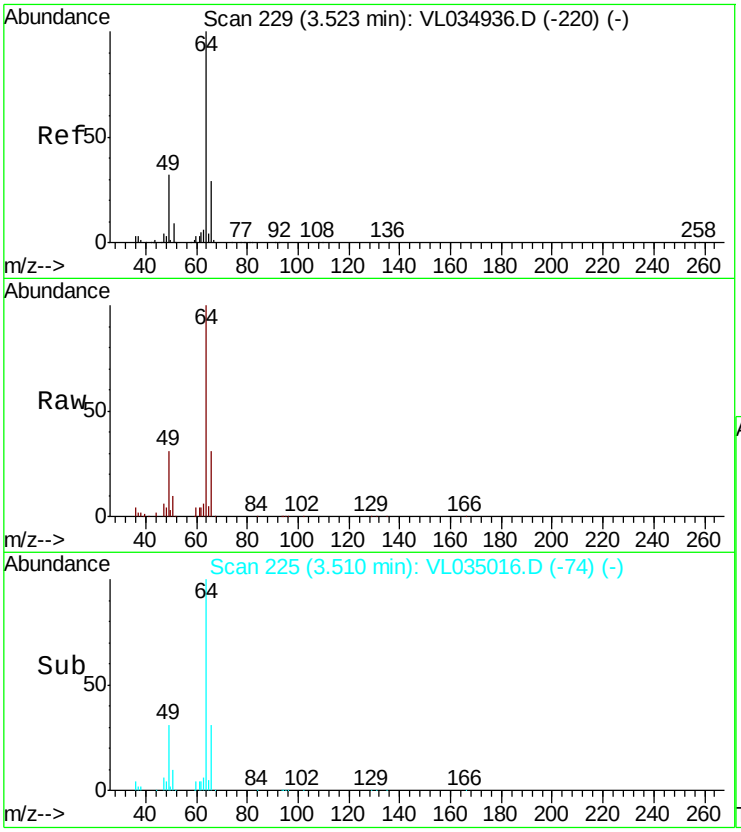


#6
Bromomethane
Concen: 9.739 ppbv
RT: 3.43 min Scan# 199
Delta R.T. -0.01 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 94 Resp: 286782

Ion	Ratio	Lower	Upper
94	100		
96	83.0	67.9	101.9



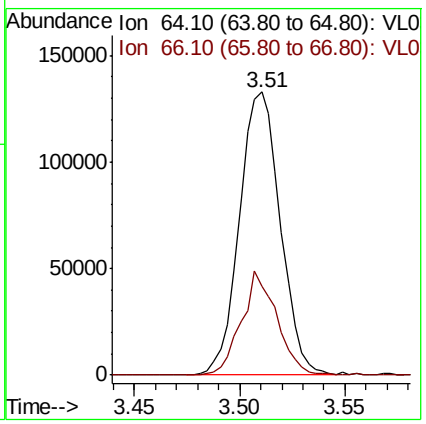


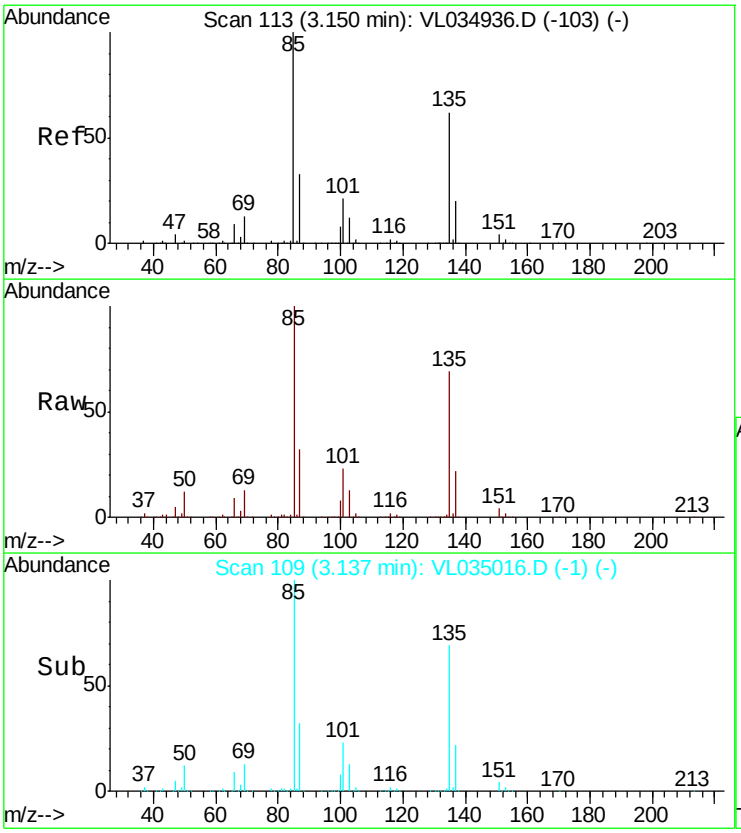
#7
Chloroethane
Concen: 10.096 ppbv
RT: 3.51 min Scan# 225
Delta R.T. -0.01 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 64 Resp: 178818

Ion	Ratio	Lower	Upper
64	100		
66	31.5	23.2	34.8

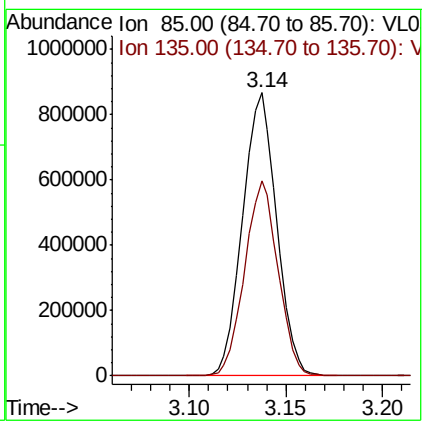


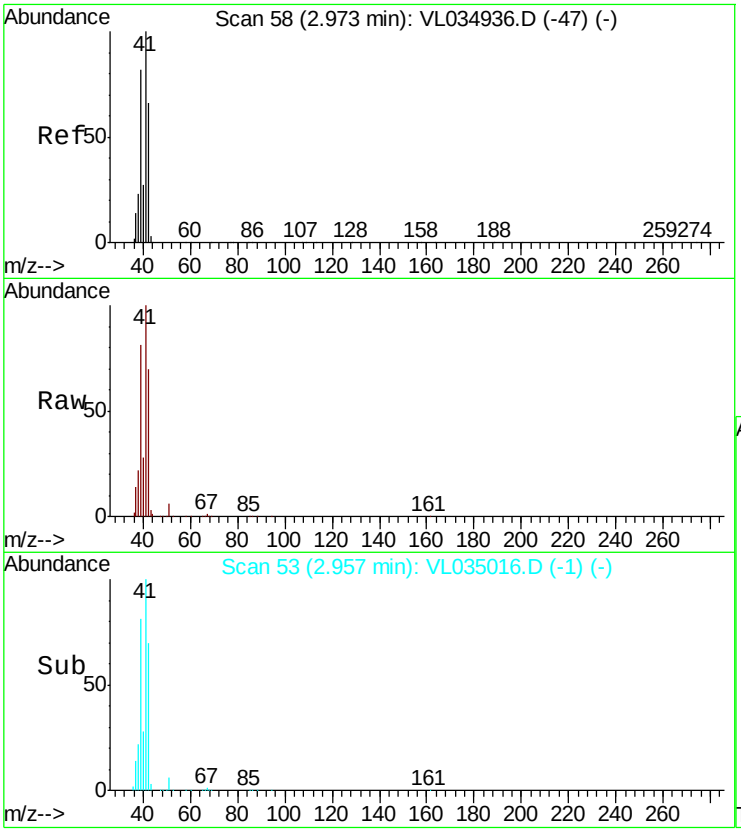


#8
Dichlorotetrafluoroethane
Concen: 9.353 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.01 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 85 Resp: 1061400

Ion	Ratio	Lower	Upper
85	100		
135	68.1	50.9	76.3

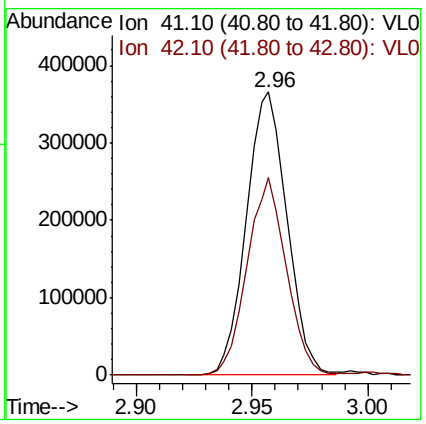




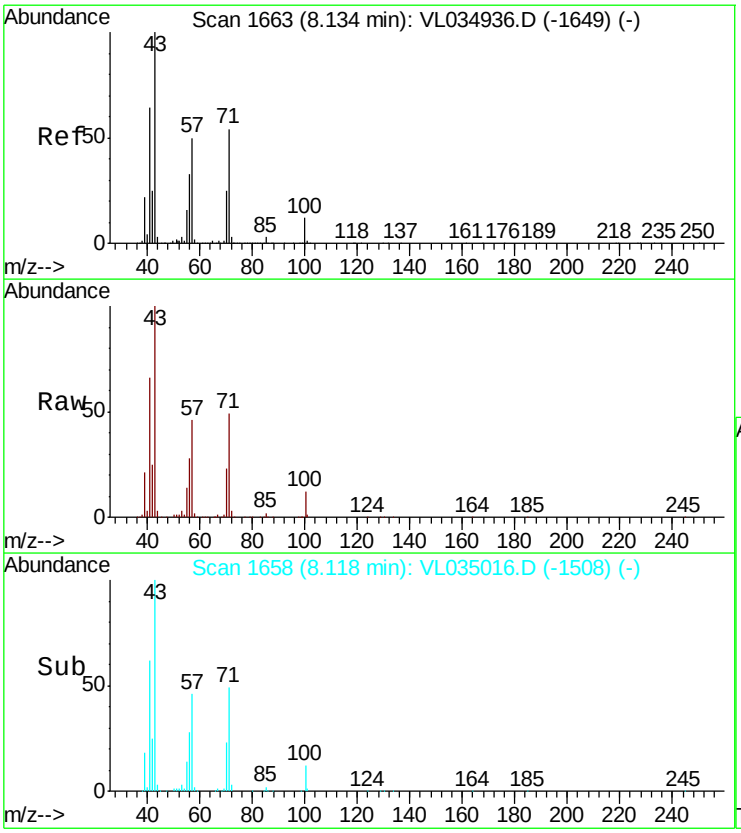
#9
Propene
Concen: 11.653 ppbv
RT: 2.96 min Scan# 53
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 41 Resp: 446073

Ion	Ratio	Lower	Upper
41	100		
42	68.7	54.5	81.7



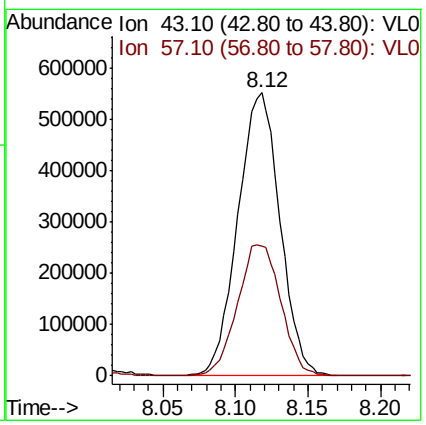
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

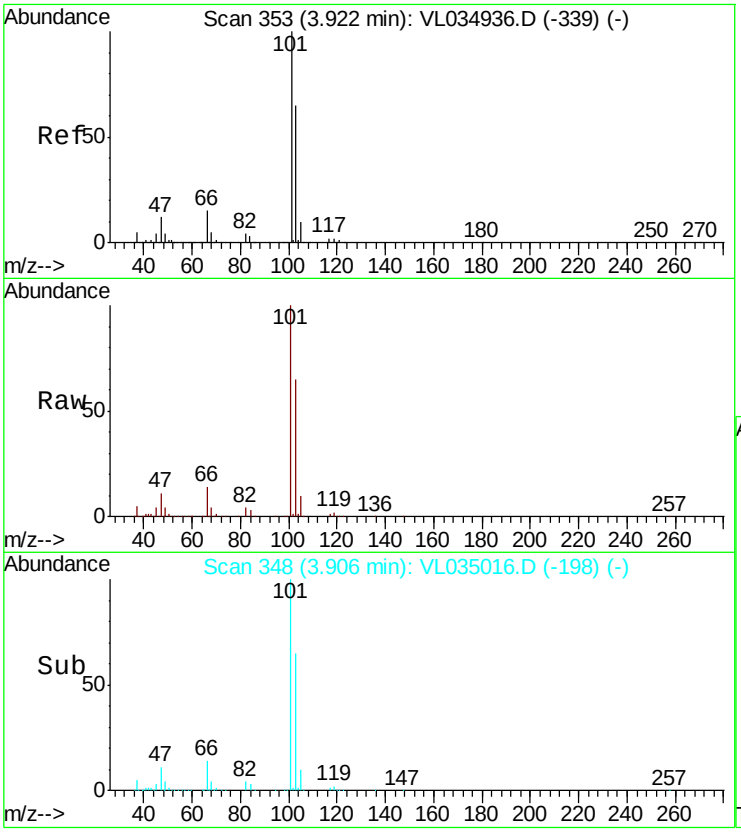


#10
Heptane
Concen: 11.595 ppbv
RT: 8.12 min Scan# 1658
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 43 Resp: 1111964

Ion	Ratio	Lower	Upper
43	100		
57	47.8	41.1	61.7



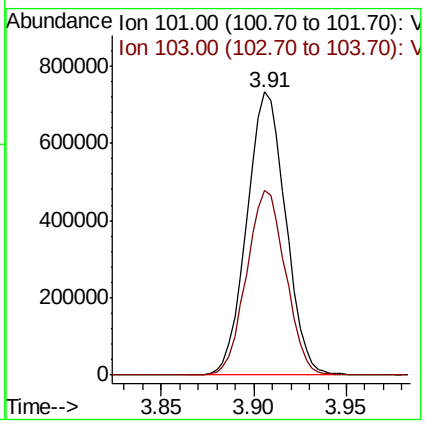


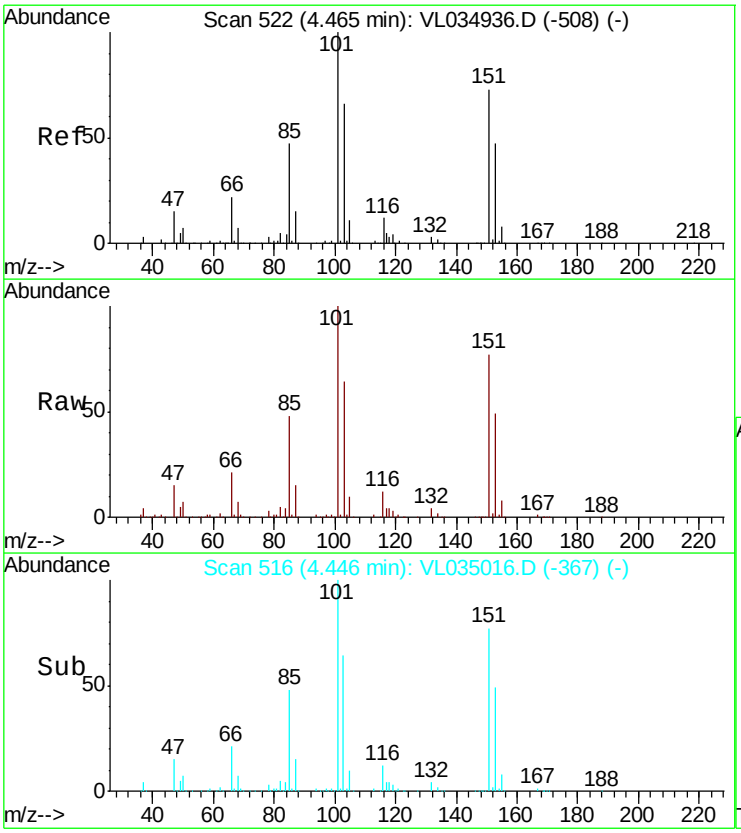
#11
Trichlorofluoromethane
Concen: 9.412 ppbv
RT: 3.91 min Scan# 348
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:101 Resp: 1064238

Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.9	77.9

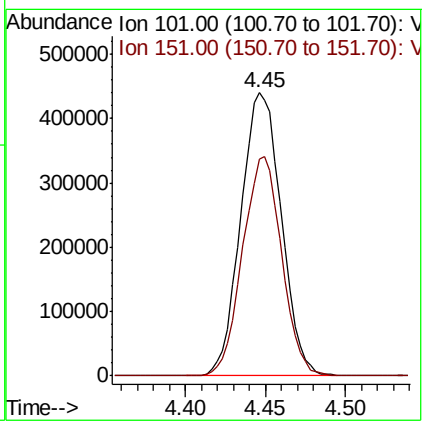


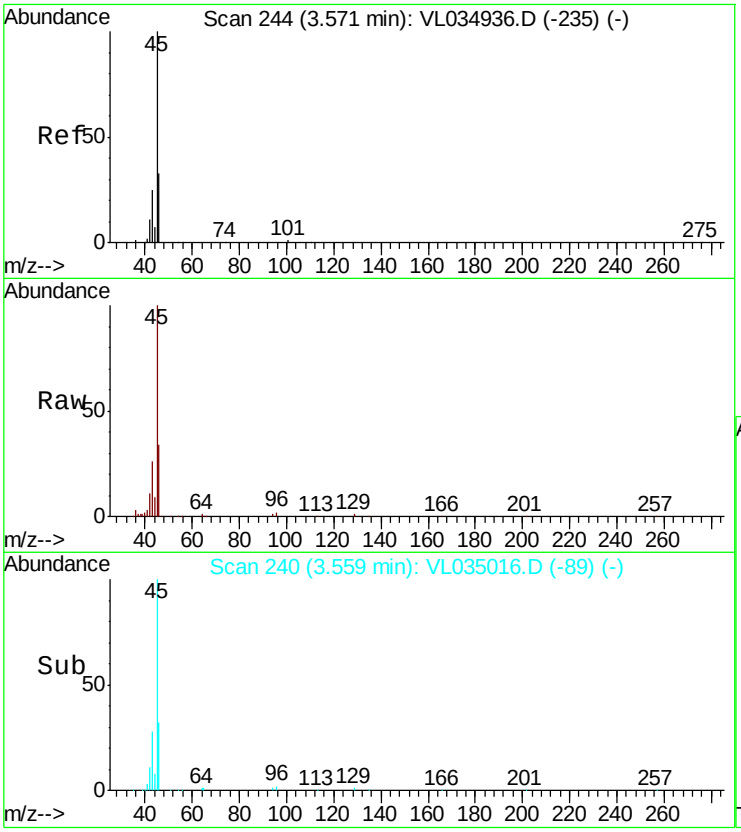


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.477 ppbv
RT: 4.45 min Scan# 516
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion:101 Resp: 763030

Ion	Ratio	Lower	Upper
101	100		
151	75.1	57.6	86.4



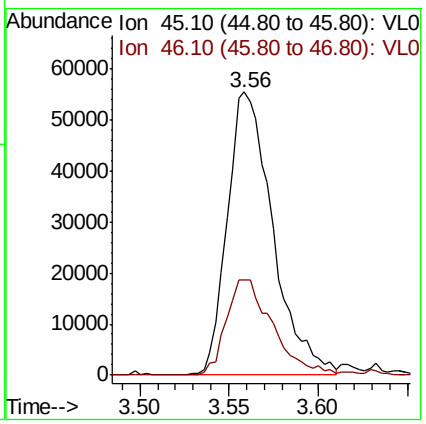


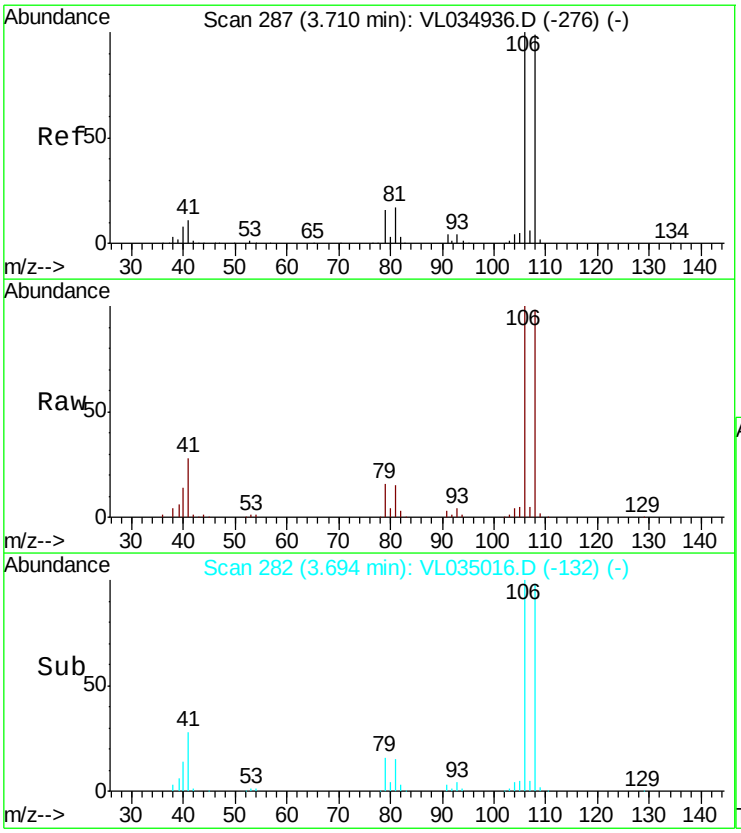
#13
Ethanol
Concen: 7.782 ppbv
RT: 3.56 min Scan# 240
Delta R.T. -0.01 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 98293

Ion	Ratio	Lower	Upper
45	100		
46	35.5	14.3	57.3

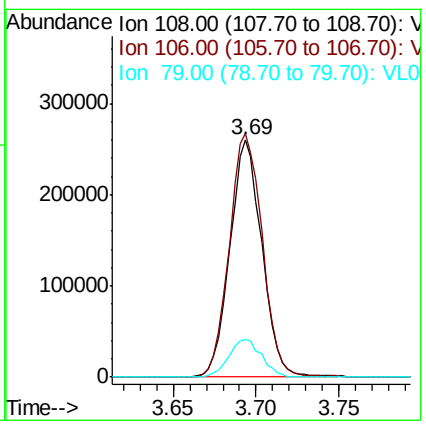


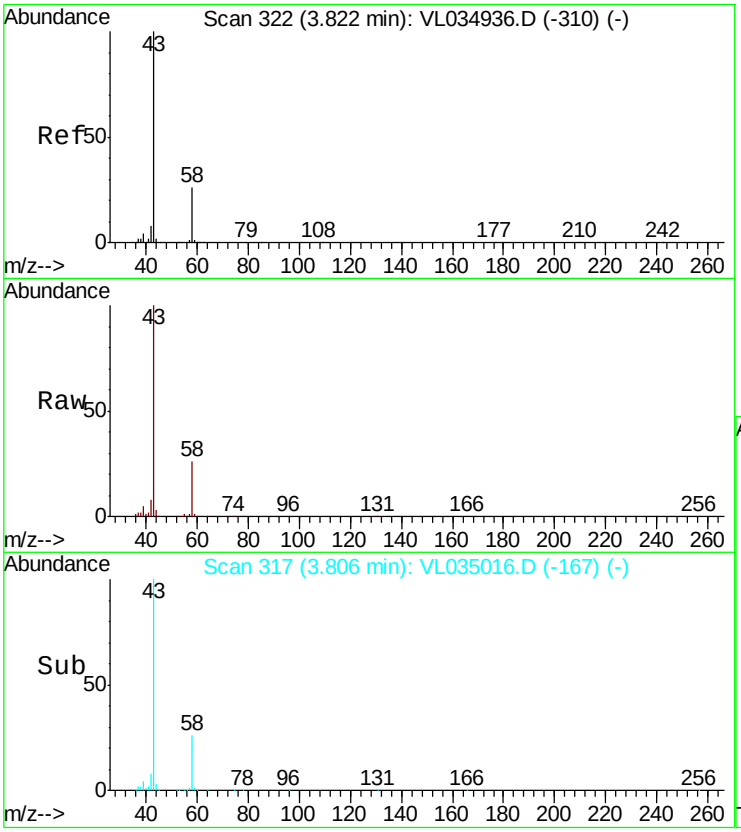


#14
Bromoethene
Concen: 10.503 ppbv
RT: 3.69 min Scan# 282
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion:108 Resp: 349465

Ion	Ratio	Lower	Upper
108	100		
106	106.0	84.9	127.3
79	16.6	14.1	21.1



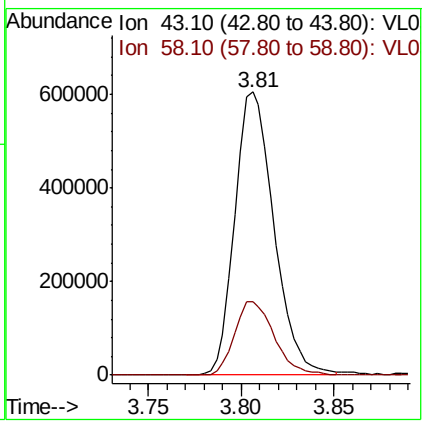


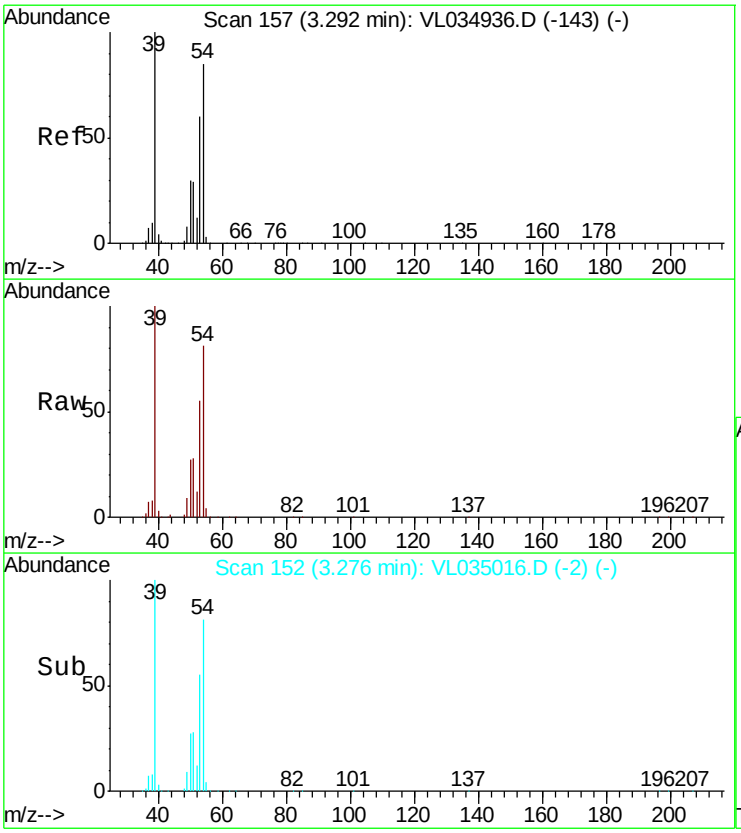
#15
Acetone
Concen: 8.730 ppbv
RT: 3.81 min Scan# 317
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 891801

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.7	32.5

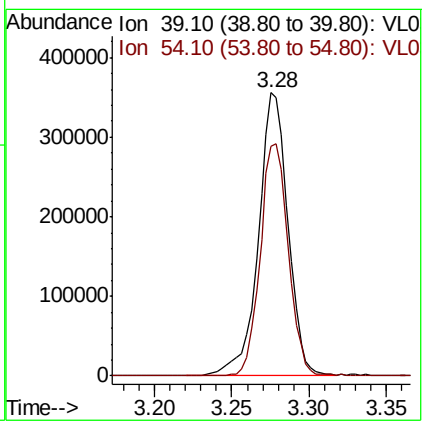


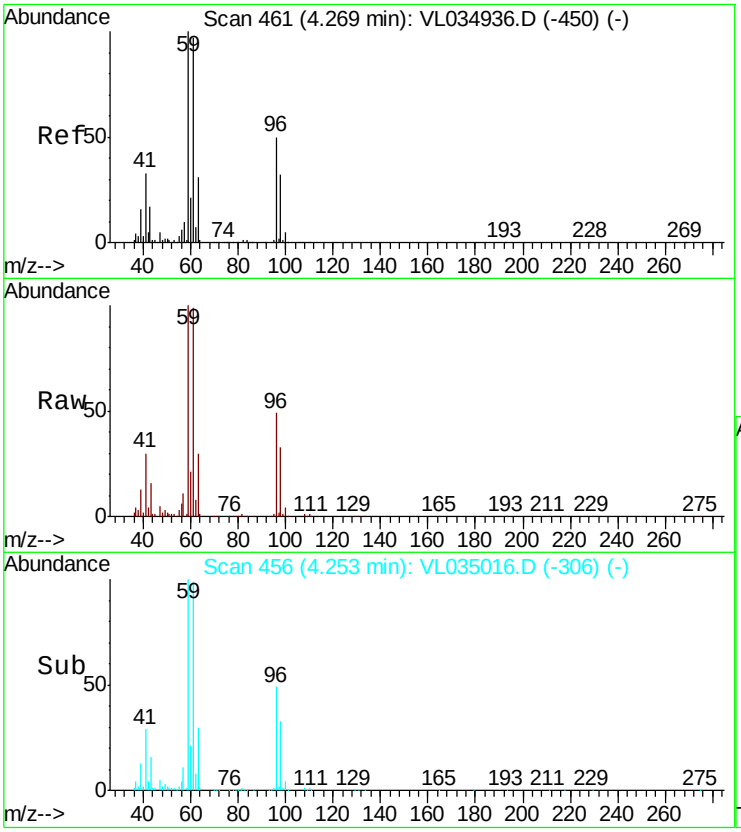


#16
1,3-Butadiene
Concen: 10.753 ppbv
RT: 3.28 min Scan# 152
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 39 Resp: 472664

Ion	Ratio	Lower	Upper
39	100		
54	78.5	66.6	100.0



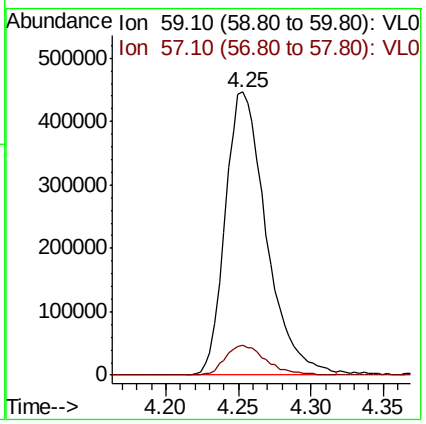


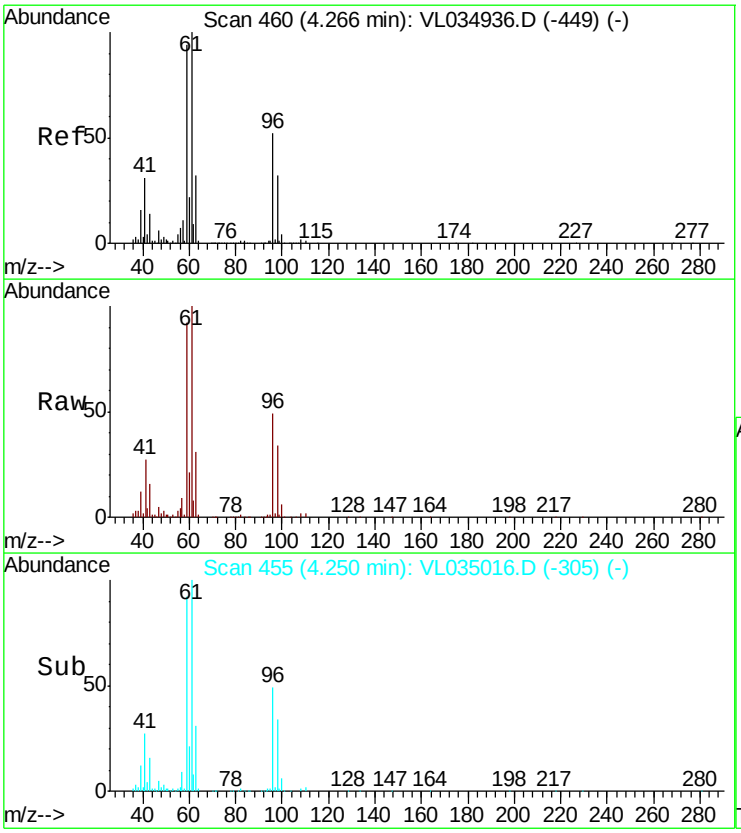
#17
tert-Butyl alcohol
Concen: 9.663 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 878198

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.7	13.1

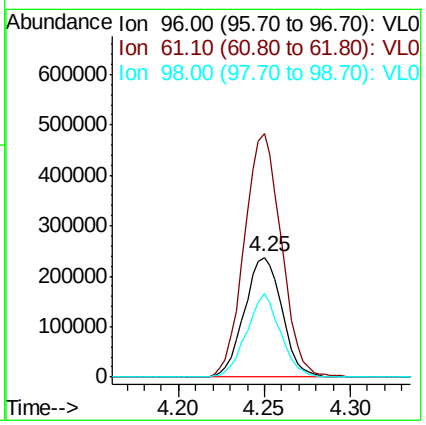


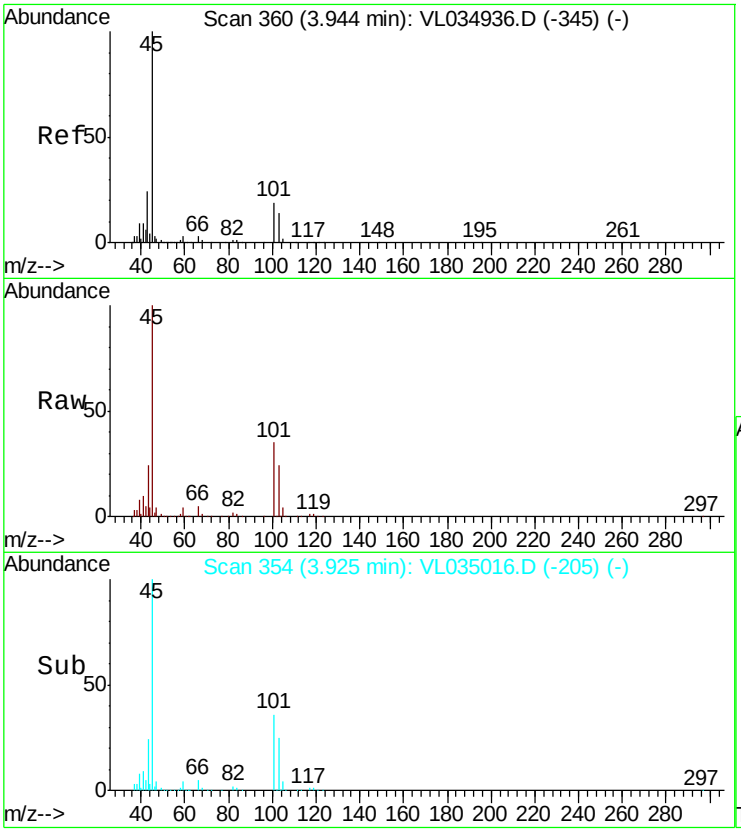


#18
1,1-Dichloroethene
Concen: 10.235 ppbv
RT: 4.25 min Scan# 455
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 96 Resp: 357507

Ion	Ratio	Lower	Upper
96	100		
61	202.9	152.4	228.6
98	69.8	48.8	73.2



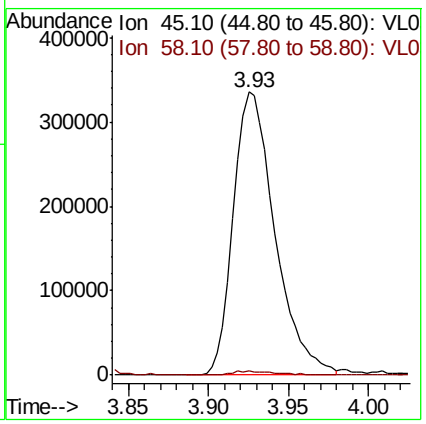


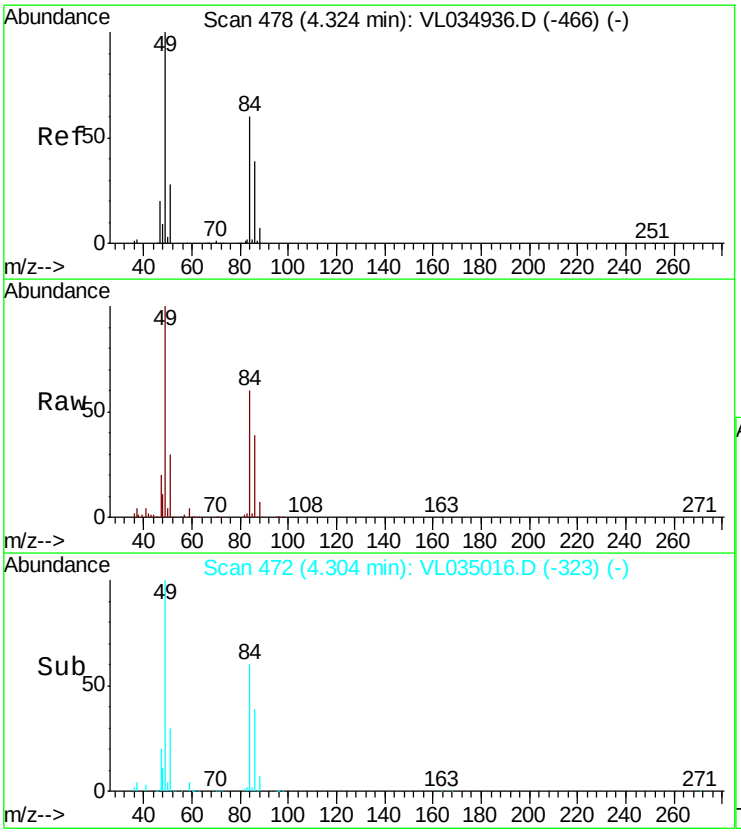
#19
Isopropyl Alcohol
Concen: 8.747 ppbv
RT: 3.93 min Scan# 354
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 595839

Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.7	2.5

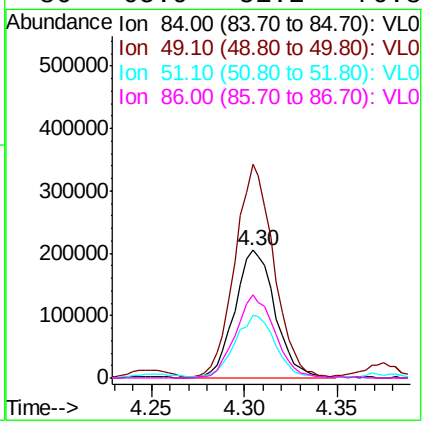


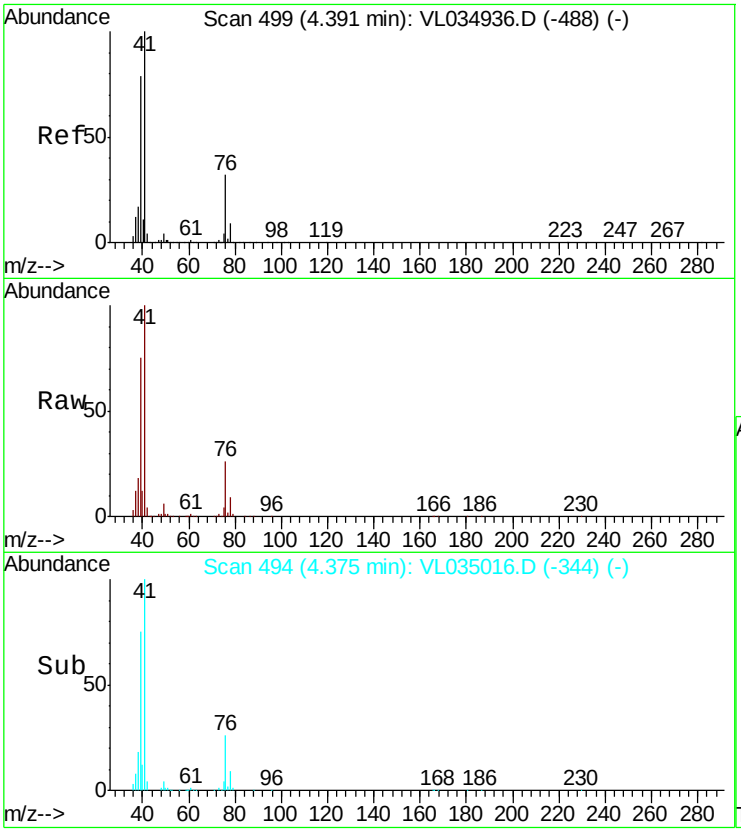


#20
Methylene Chloride
Concen: 9.088 ppbv
RT: 4.30 min Scan# 472
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 84 Resp: 307287

Ion	Ratio	Lower	Upper
84	100		
49	166.7	132.5	198.7
51	49.3	38.4	57.6
86	65.9	51.2	76.8



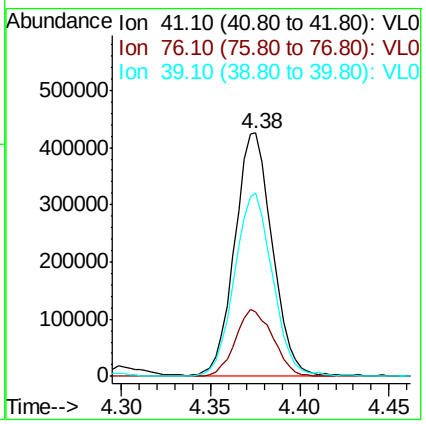


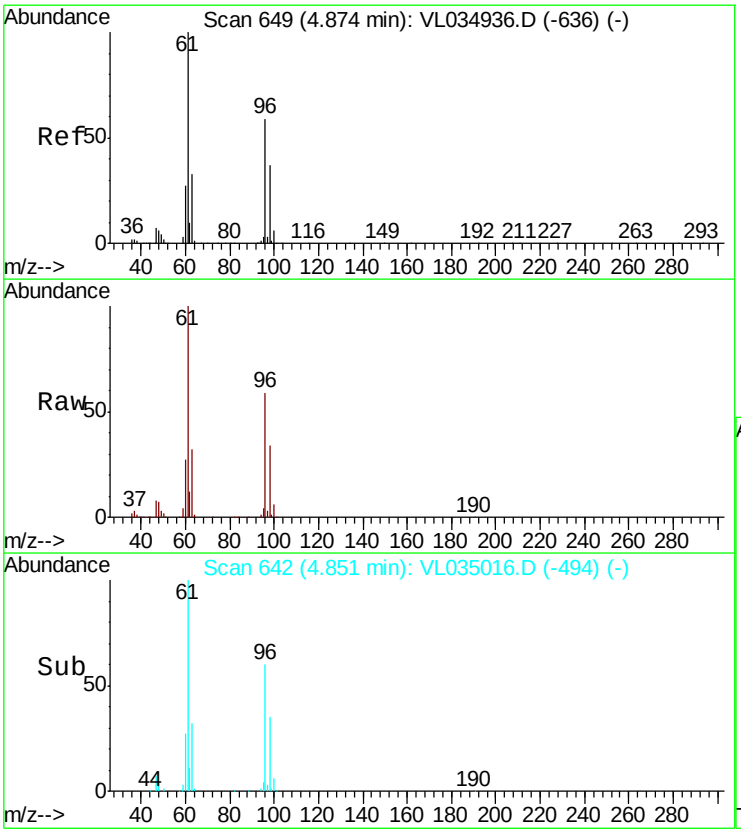
#21
Allyl Chloride
Concen: 10.726 ppbv
RT: 4.38 min Scan# 494
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 41 Resp: 618885

Ion	Ratio	Lower	Upper
41	100		
76	27.8	23.6	35.4
39	76.4	61.9	92.9

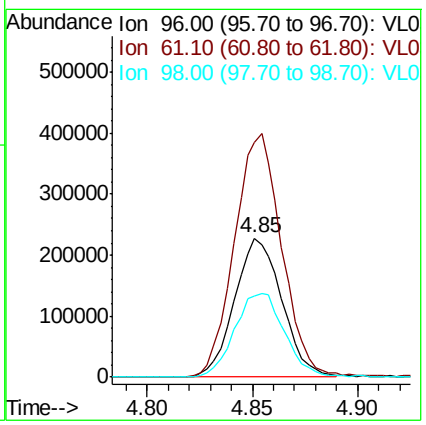


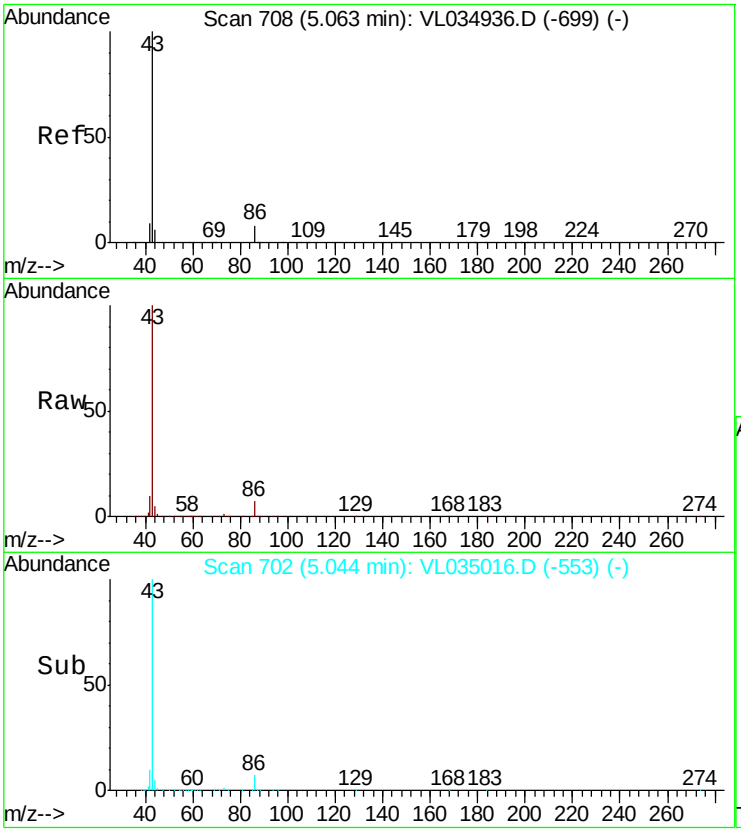


#22
trans-1,2-Dichloroethene
Concen: 10.170 ppbv
RT: 4.85 min Scan# 642
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 96 Resp: 351870

Ion	Ratio	Lower	Upper
96	100		
61	168.6	135.3	202.9
98	58.0	50.4	75.6



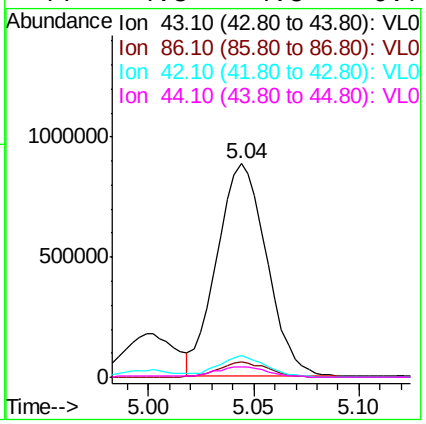


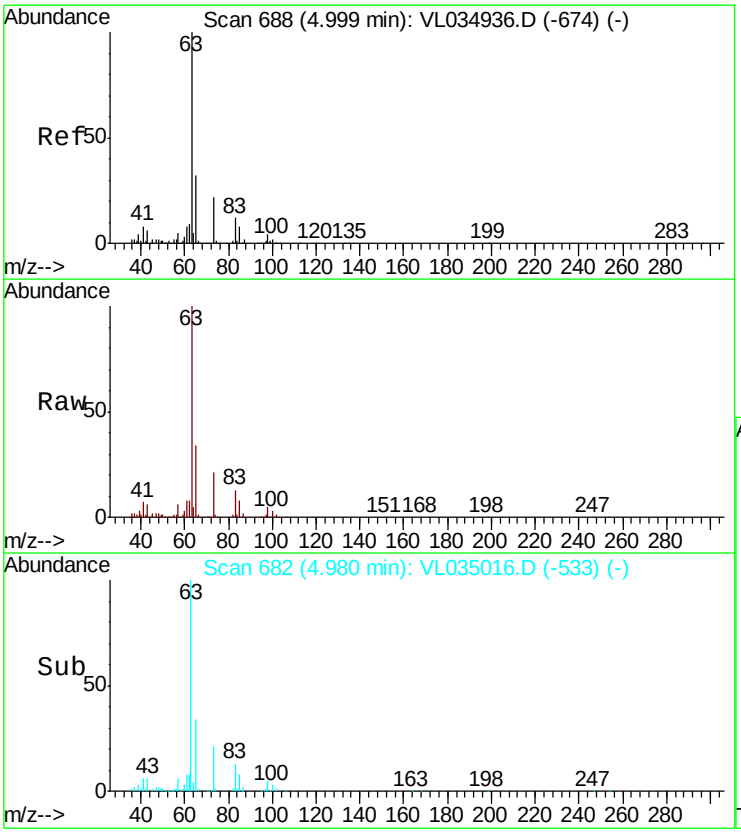
#23
Vinyl Acetate
Concen: 11.174 ppbv
RT: 5.04 min Scan# 702
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1447328

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.5	8.3
42	9.9	8.0	12.0
44	4.8	4.5	6.7

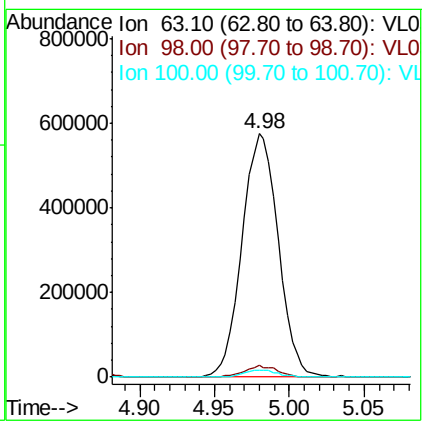


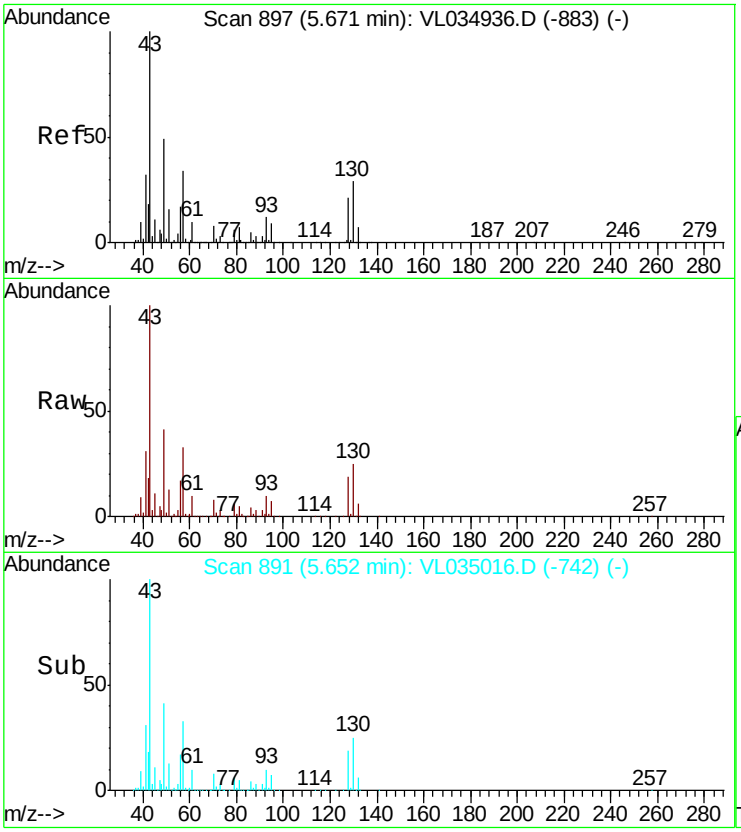


#24
1,1-Dichloroethane
Concen: 9.731 ppbv
RT: 4.98 min Scan# 682
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 63 Resp: 970823

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.0	6.0
100	2.9	1.1	3.5



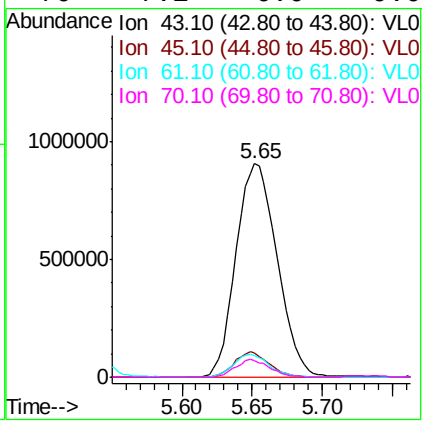


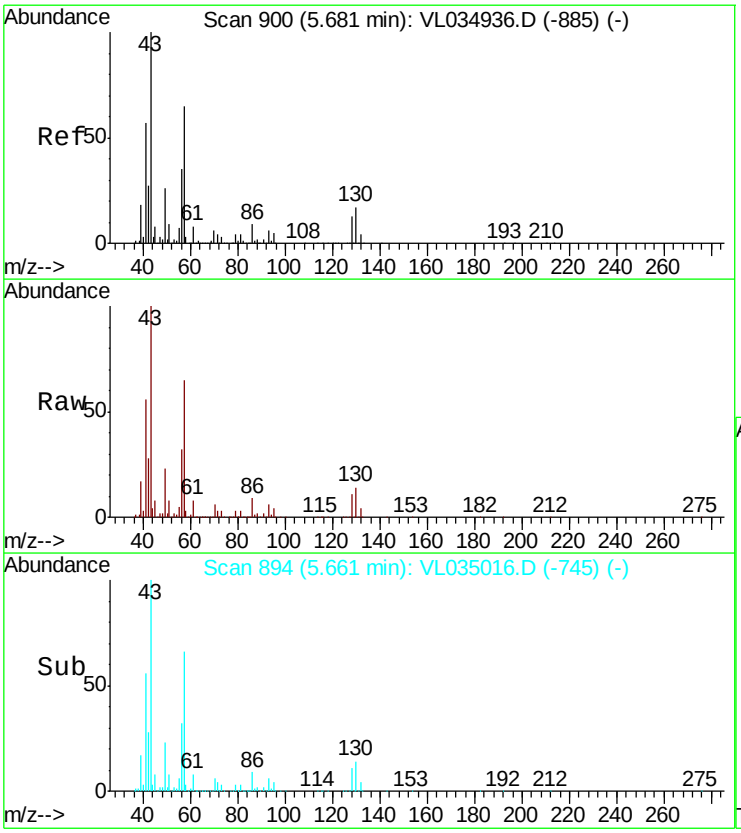
#25
Ethyl Acetate
Concen: 10.775 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1848709

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.1	12.1
61	9.7	7.8	11.8
70	7.1	6.0	9.0

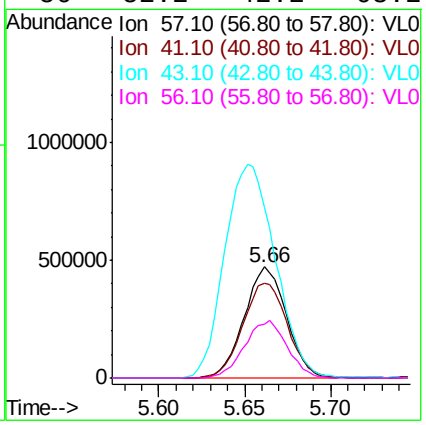


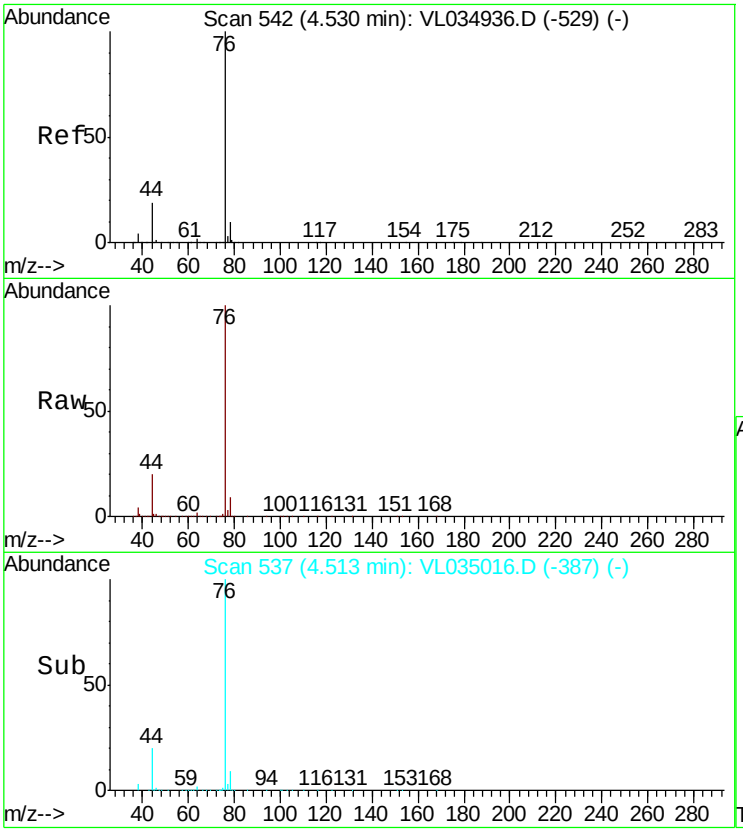


#26
Hexane
Concen: 10.792 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 57 Resp: 802798

Ion	Ratio	Lower	Upper
57	100		
41	91.0	72.7	109.1
43	231.4	182.1	273.1
56	52.2	42.2	63.2



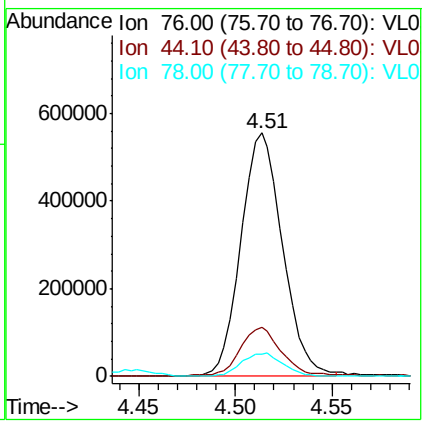


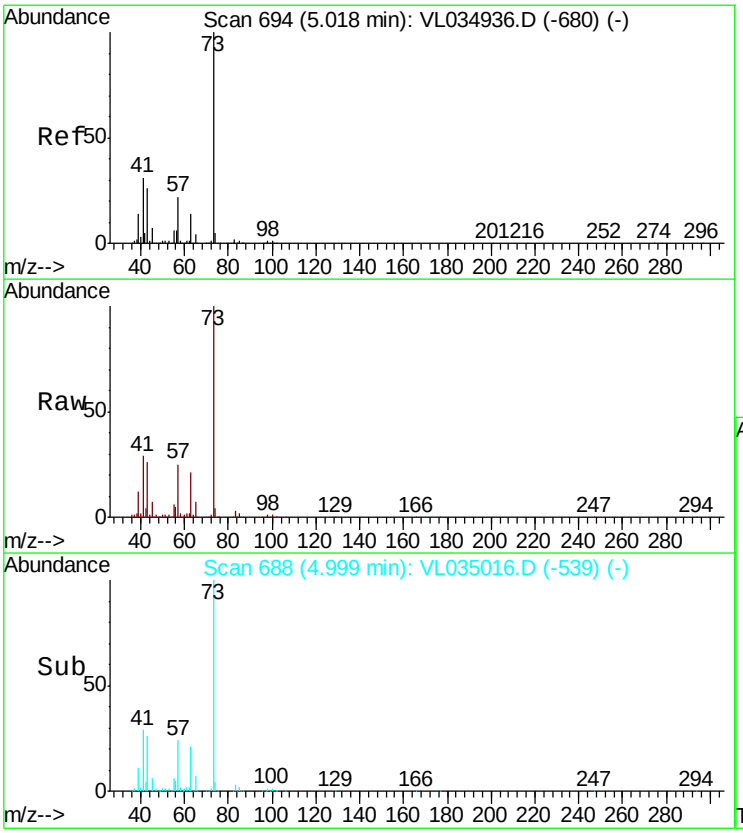
#27
Carbon Disulfide
Concen: 9.491 ppbv
RT: 4.51 min Scan# 537
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 76 Resp: 832087

Ion	Ratio	Lower	Upper
76	100		
44	19.7	15.2	22.8
78	10.0	7.7	11.5

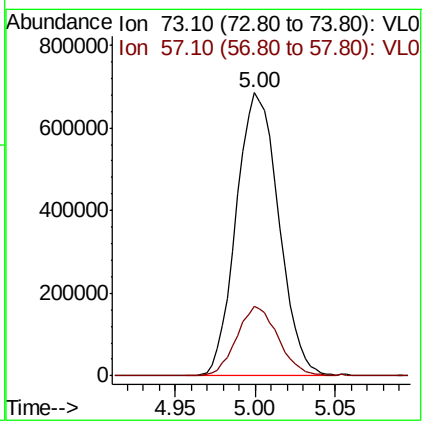


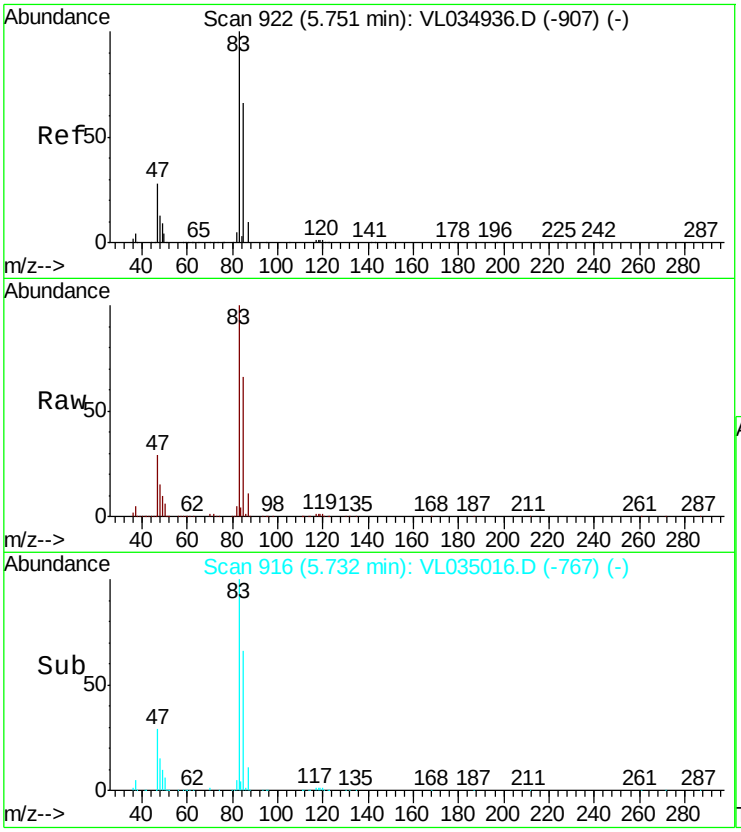


#28
Methyl tert-Butyl Ether
Concen: 11.006 ppbv
RT: 5.00 min Scan# 688
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 73 Resp: 1246897

Ion	Ratio	Lower	Upper
73	100		
57	24.0	18.3	27.5



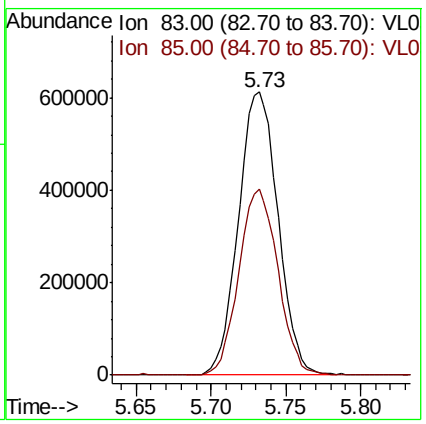


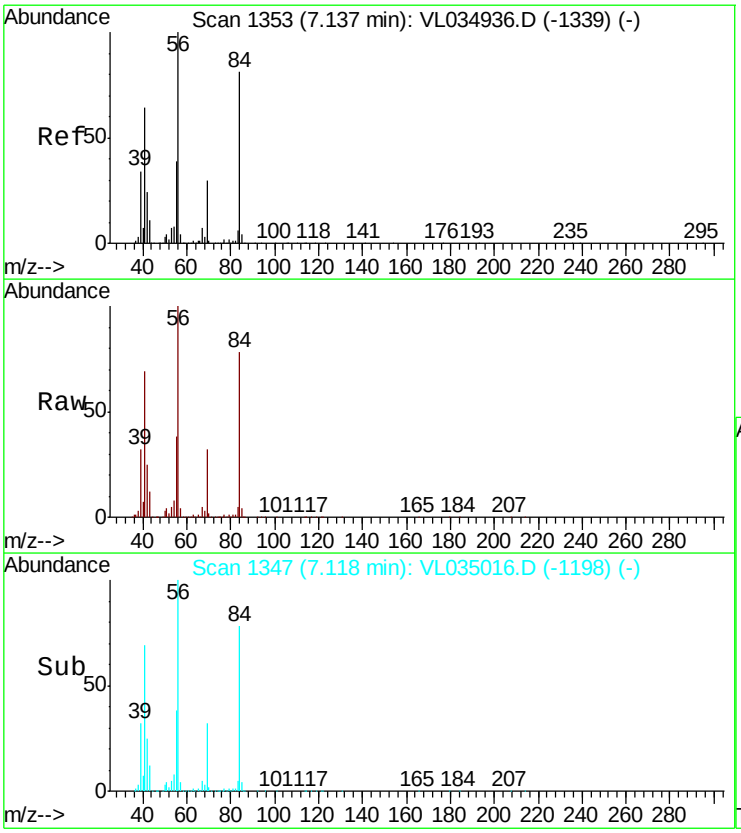
#29
Chloroform
Concen: 9.272 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1128531

Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.0	79.6

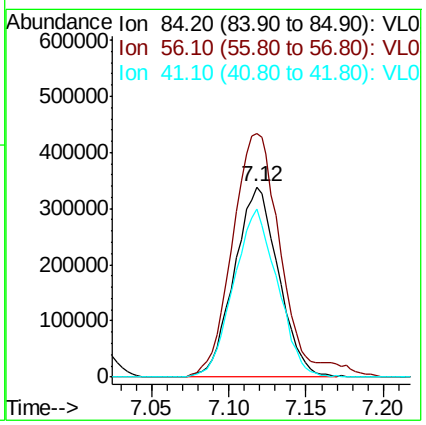


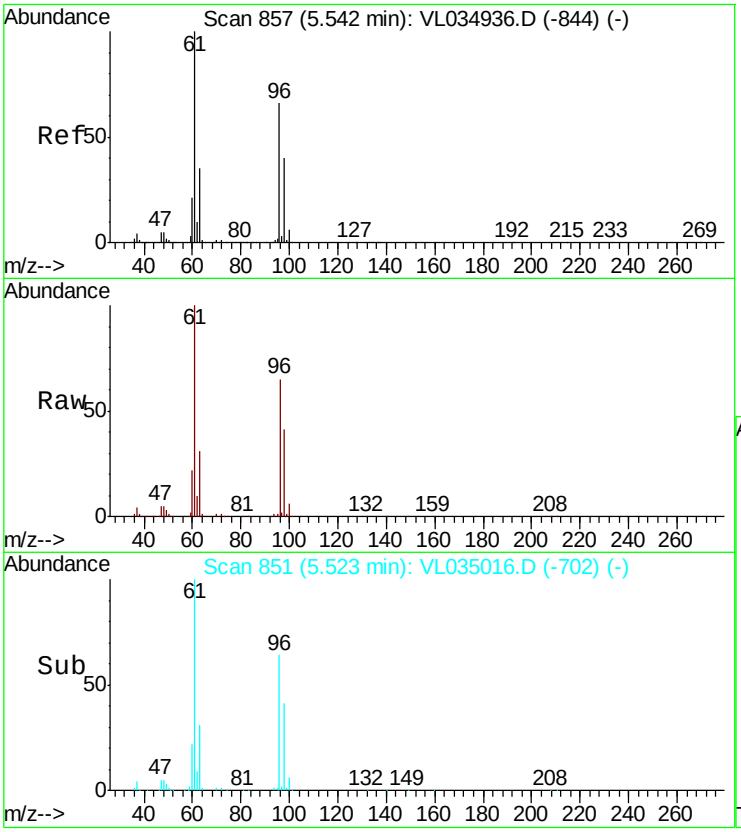


#30
Cyclohexane
Concen: 11.739 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 84 Resp: 673840

Ion	Ratio	Lower	Upper
84	100		
56	141.3	111.4	167.2
41	87.2	66.7	100.1



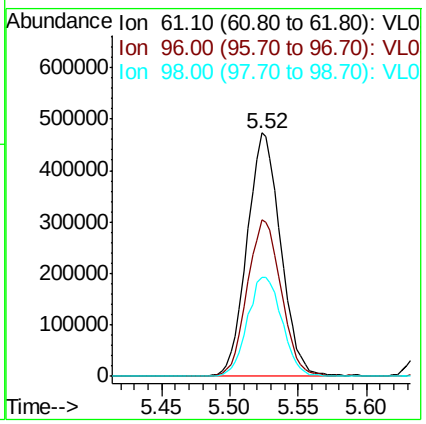


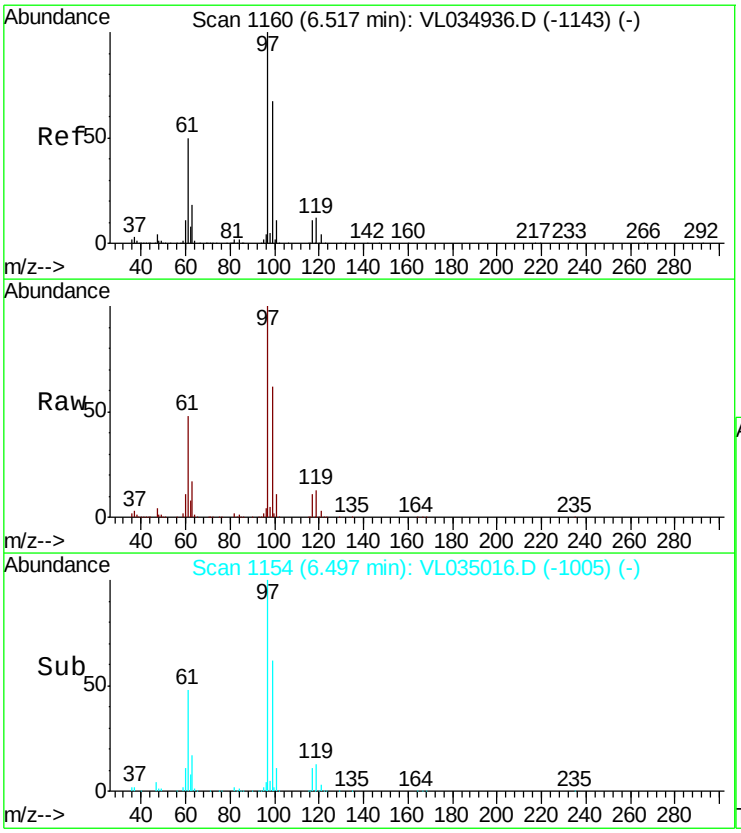
#31
cis-1,2-Dichloroethene
Concen: 11.134 ppbv
RT: 5.52 min Scan# 851
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 808075

Ion	Ratio	Lower	Upper
61	100		
96	64.5	53.0	79.6
98	40.6	32.2	48.2

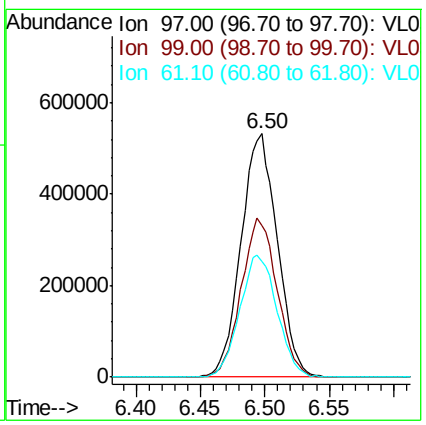


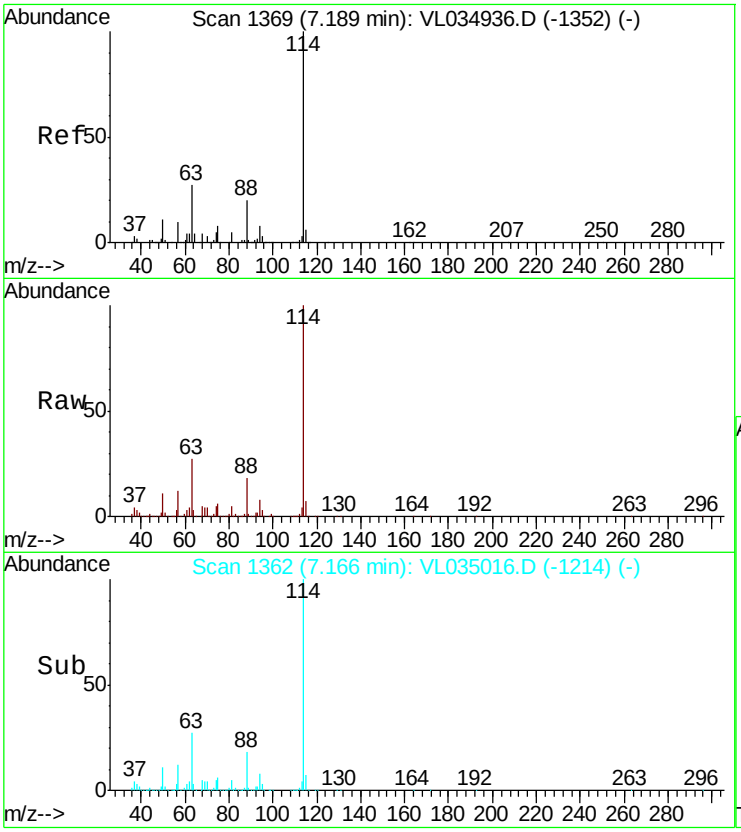


#32
1,1,1-Trichloroethane
Concen: 9.498 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 97 Resp: 1043924

Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.1	78.1
61	51.4	41.8	62.8



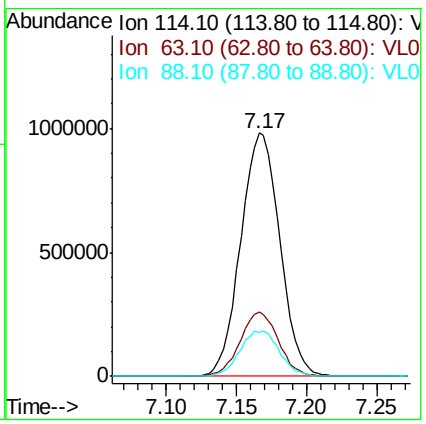


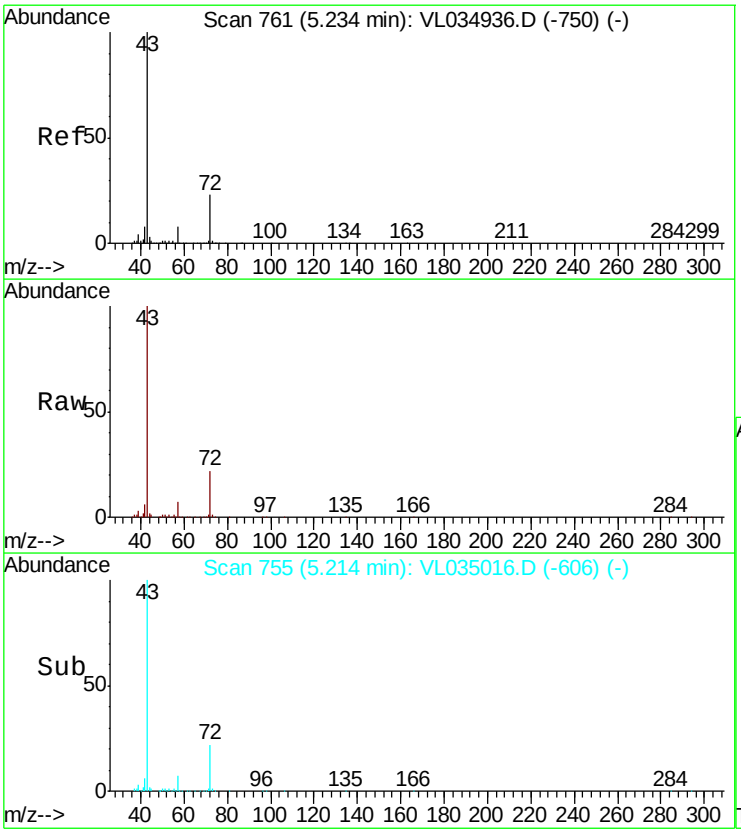
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:114 Resp: 1909996

Ion	Ratio	Lower	Upper
114	100		
63	26.2	22.2	33.4
88	18.8	15.5	23.3

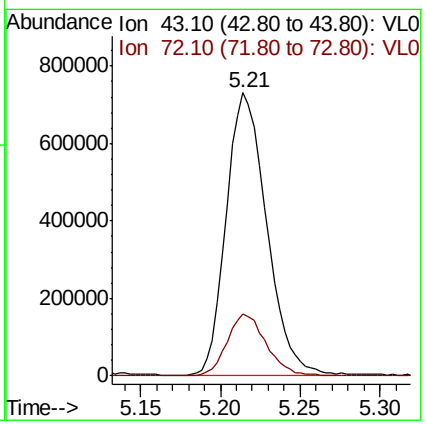


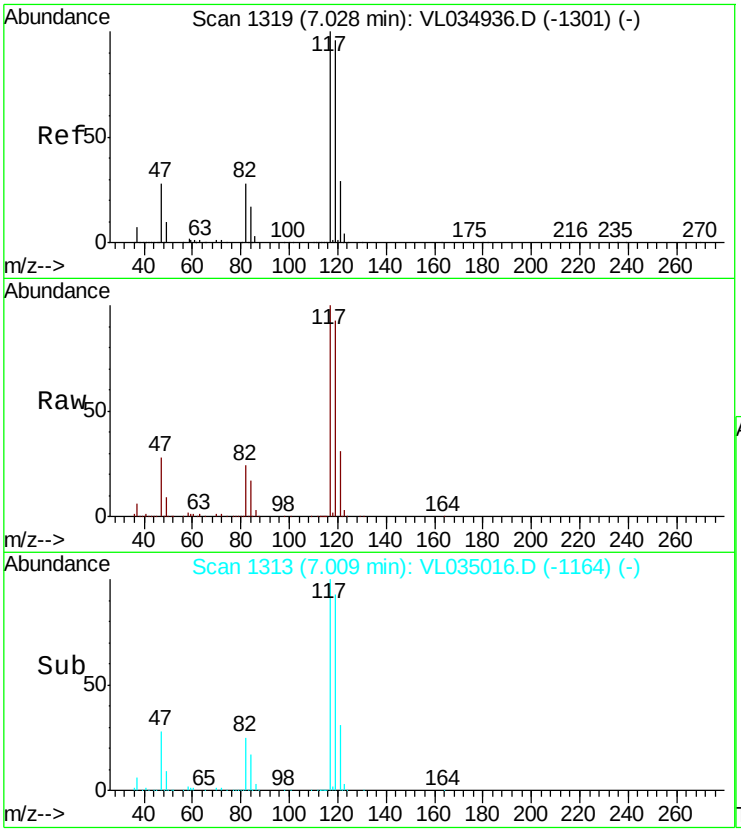


#34
2-Butanone
Concen: 10.585 ppbv
RT: 5.21 min Scan# 755
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 43 Resp: 1256539

Ion	Ratio	Lower	Upper
43	100		
72	21.5	18.0	27.0



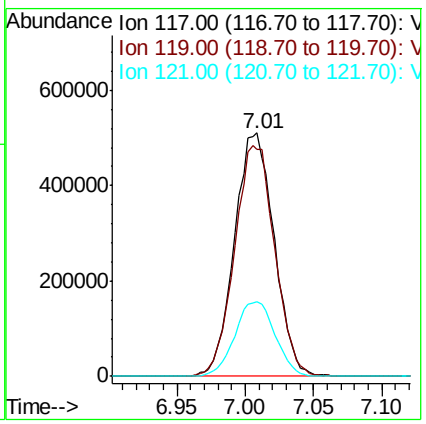


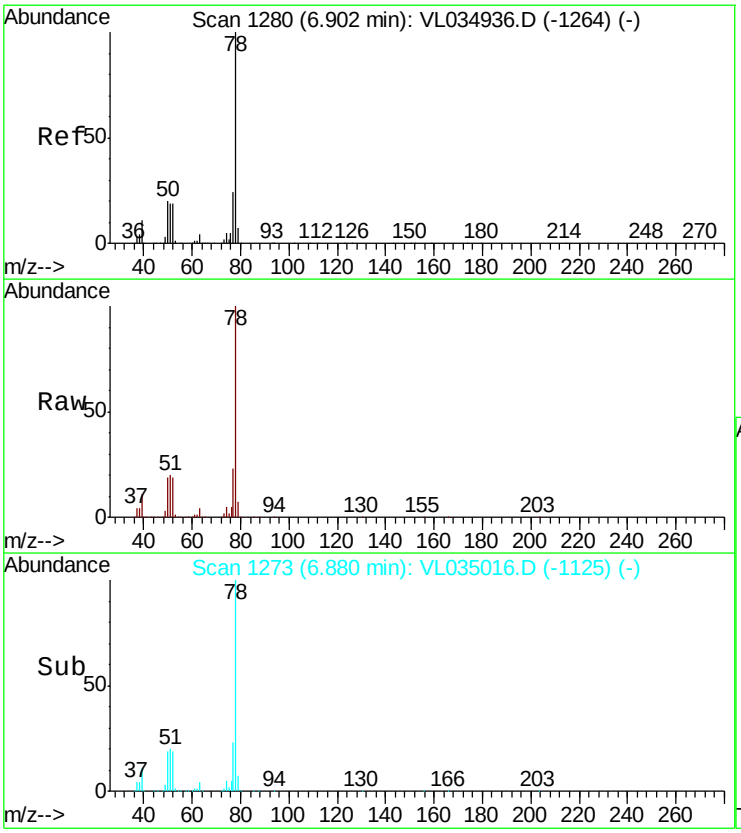
#35
Carbon Tetrachloride
Concen: 8.558 ppbv
RT: 7.01 min Scan# 1313
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 1031723

Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.0	115.6
121	30.9	23.0	34.6

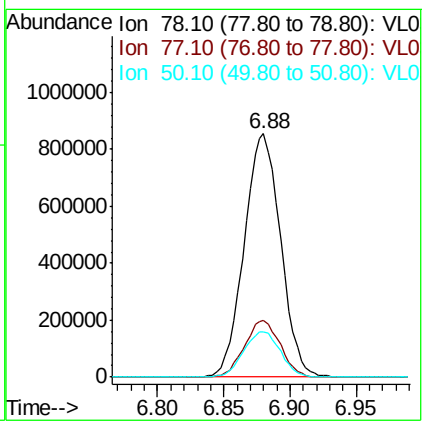


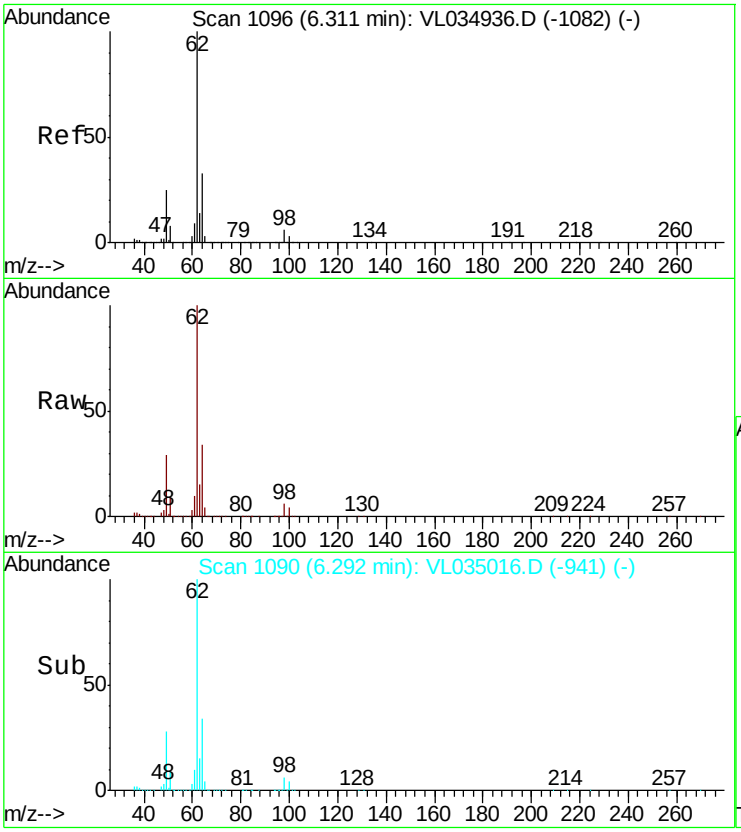


#36
Benzene
Concen: 10.375 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 78 Resp: 1633766

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6
50	18.6	15.8	23.8



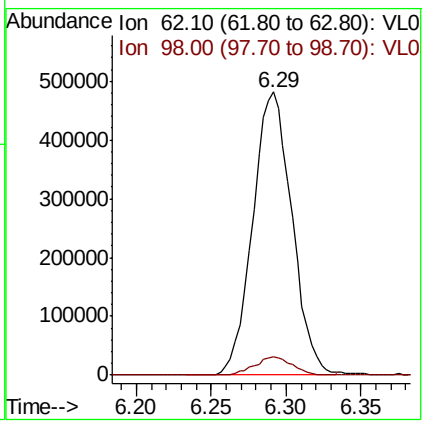


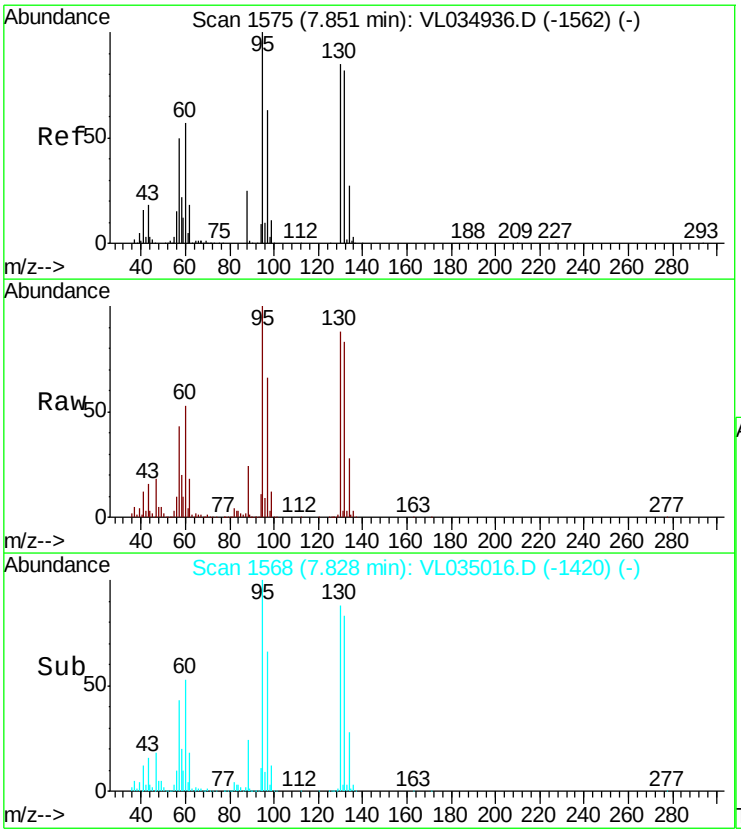
#37
1,2-Dichloroethane
Concen: 9.021 ppbv
RT: 6.29 min Scan# 1090
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 876244

Ion	Ratio	Lower	Upper
62	100		
98	6.3	4.8	7.2

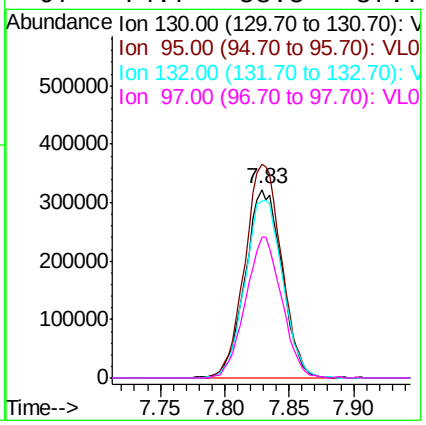


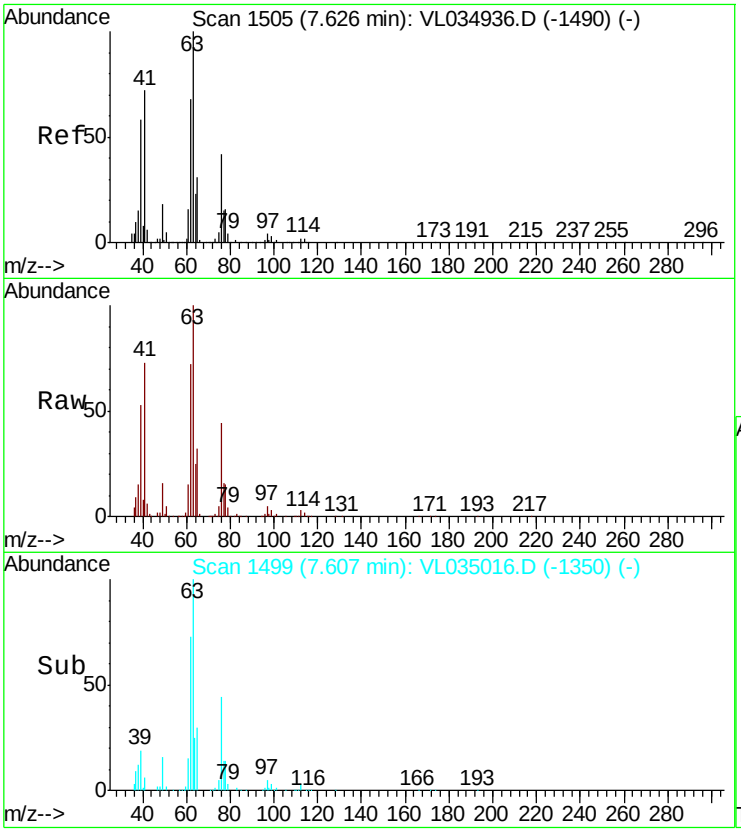


#38
Trichloroethene
Concen: 10.544 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion:130 Resp: 643270

Ion	Ratio	Lower	Upper
130	100		
95	113.4	93.4	140.0
132	94.0	76.4	114.6
97	74.7	58.5	87.7



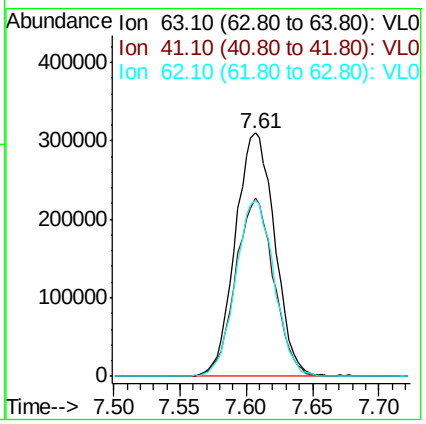


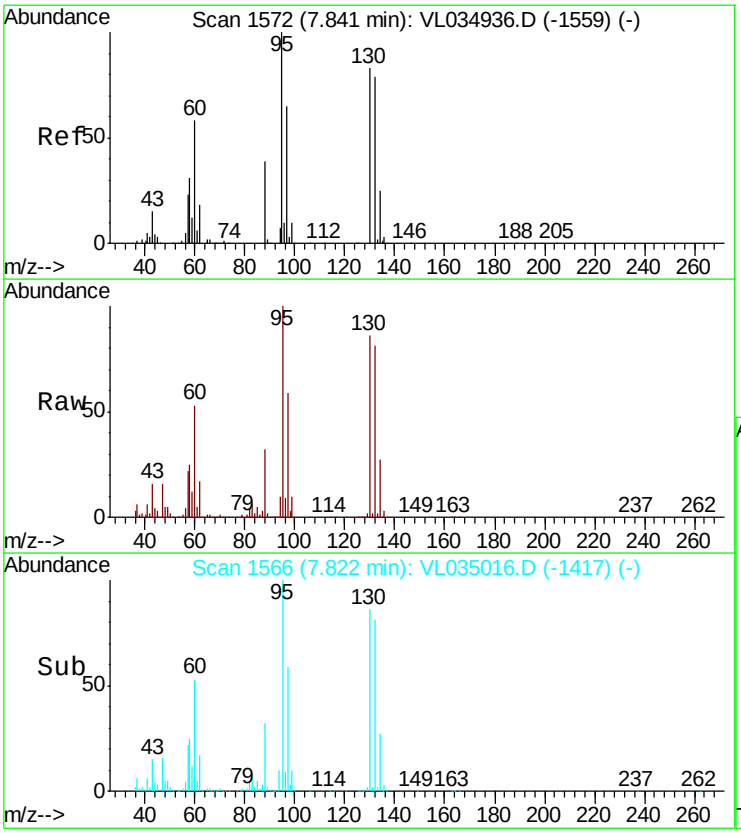
#39
1,2-Dichloropropane
Concen: 10.143 ppbv
RT: 7.61 min Scan# 1499
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 63 Resp: 640279

Ion	Ratio	Lower	Upper
63	100		
41	72.9	57.8	86.8
62	72.1	54.2	81.2

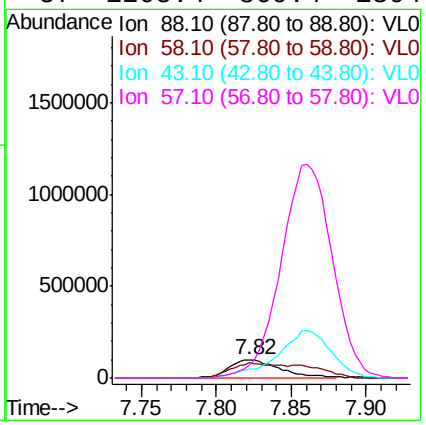


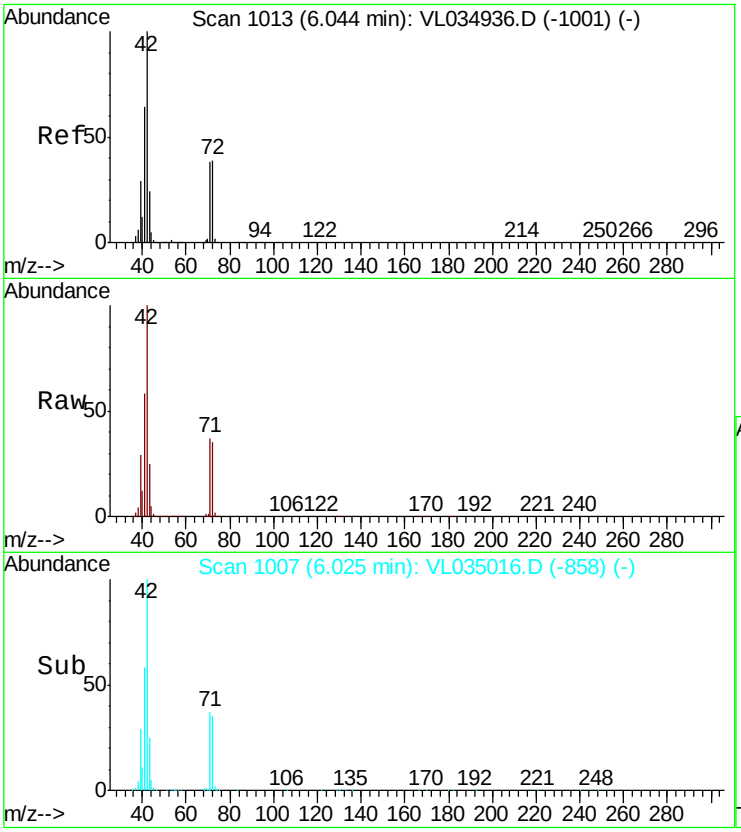


#40
1,4-Dioxane
Concen: 8.998 ppbv
RT: 7.82 min Scan# 1566
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 88 Resp: 230883

Ion	Ratio	Lower	Upper
88	100		
58	133.1	105.1	157.7
43	285.9	202.6	303.8
57	1205.4	869.4	1304.0



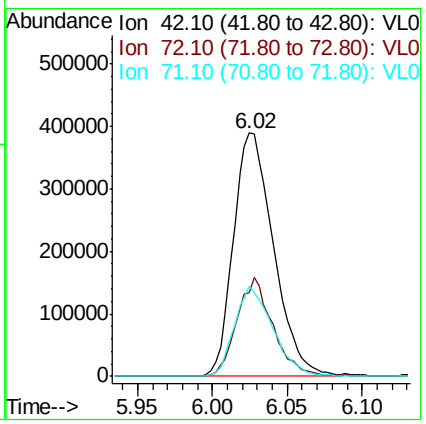


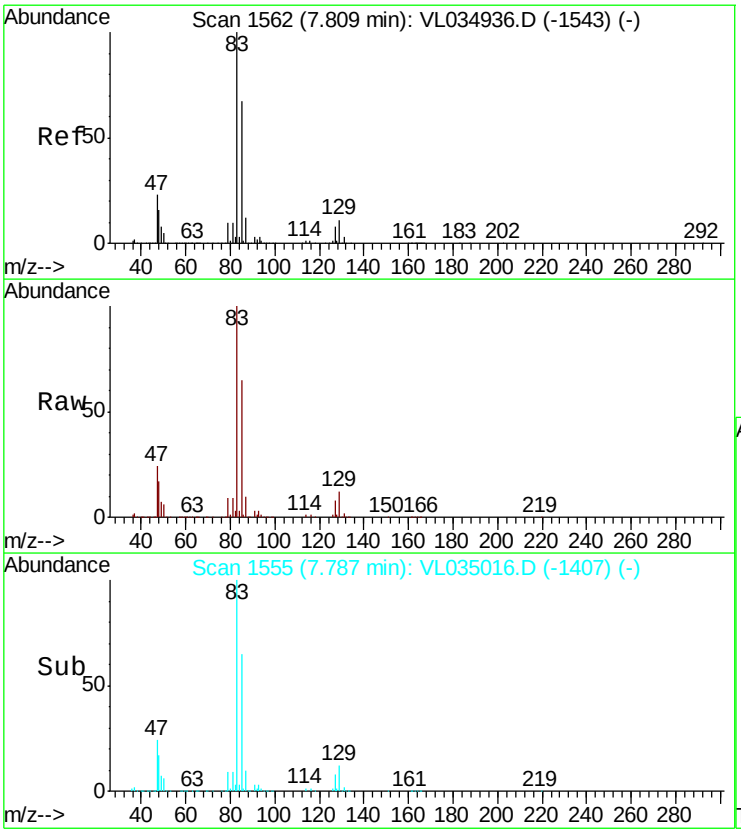
#41
Tetrahydrofuran
Concen: 11.657 ppbv
RT: 6.02 min Scan# 1007
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 42 Resp: 728542

Ion	Ratio	Lower	Upper
42	100		
72	36.5	31.4	47.0
71	35.7	29.8	44.8

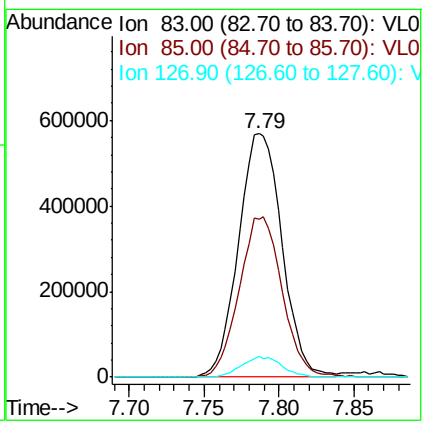


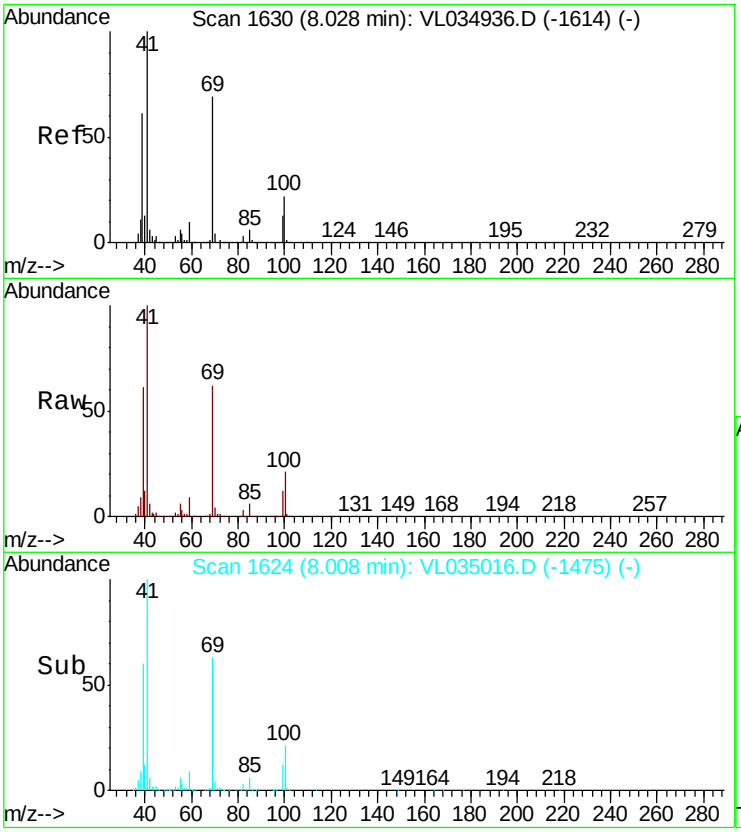


#42
Bromodichloromethane
Concen: 8.791 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 83 Resp: 1151619

Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.4	80.0
127	8.5	6.1	9.1



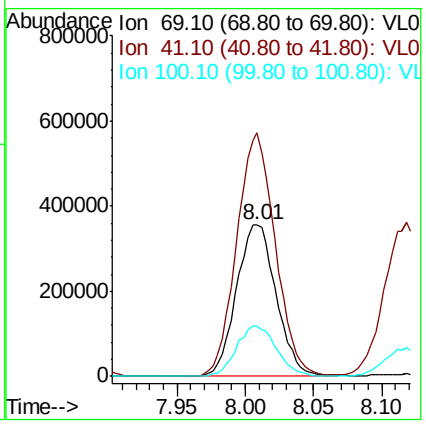


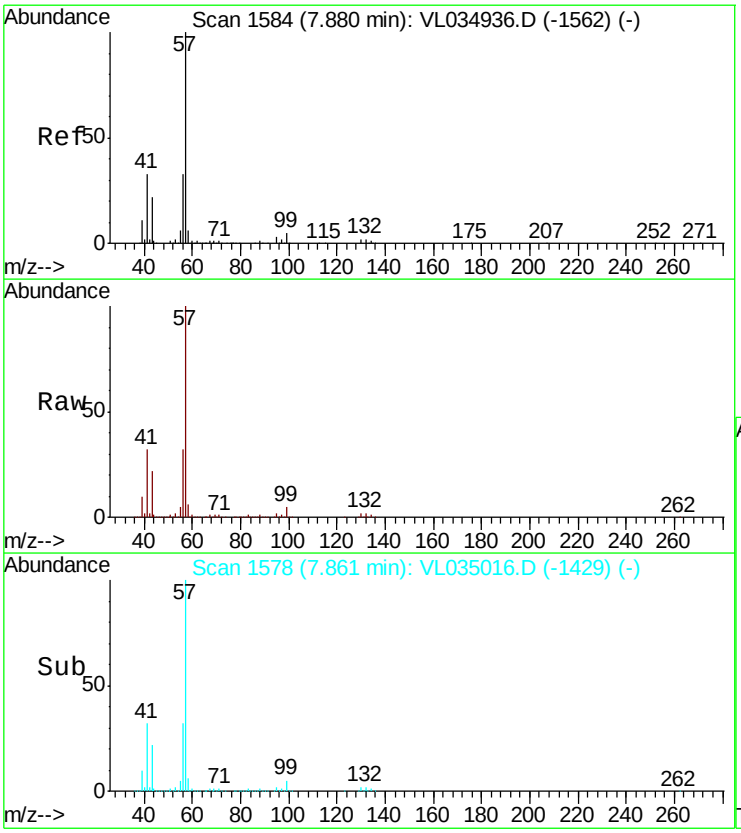
#43
Methyl Methacrylate
Concen: 10.827 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 69 Resp: 719921

Ion	Ratio	Lower	Upper
69	100		
41	155.9	119.8	179.6
100	33.8	25.0	37.6

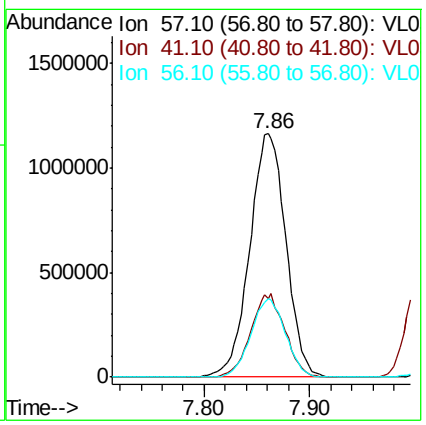


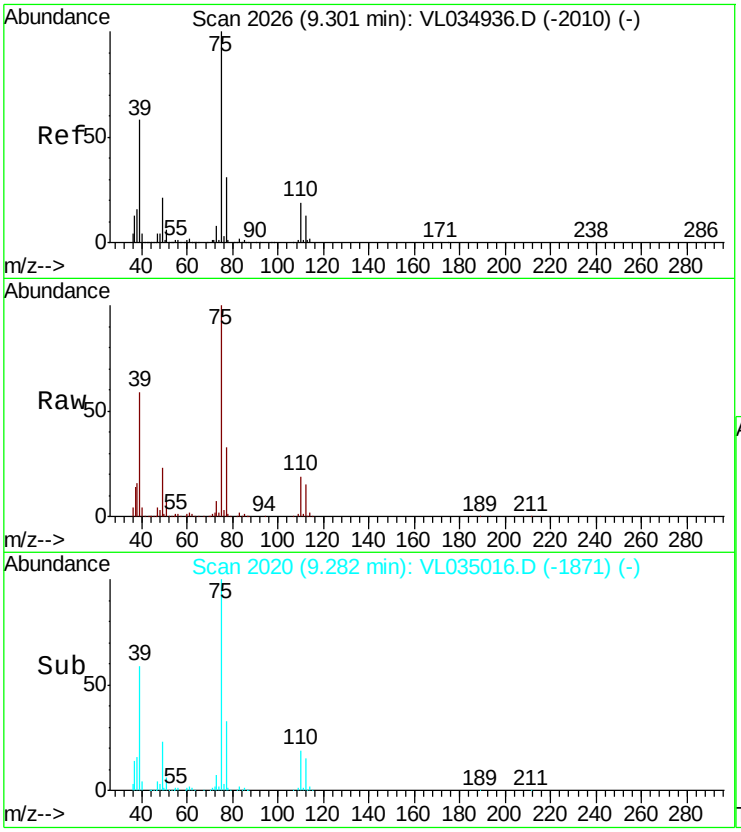


#44
2,2,4-Trimethylpentane
Concen: 9.935 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 57 Resp: 2781458

Ion	Ratio	Lower	Upper
57	100		
41	32.3	26.4	39.6
56	30.9	25.5	38.3



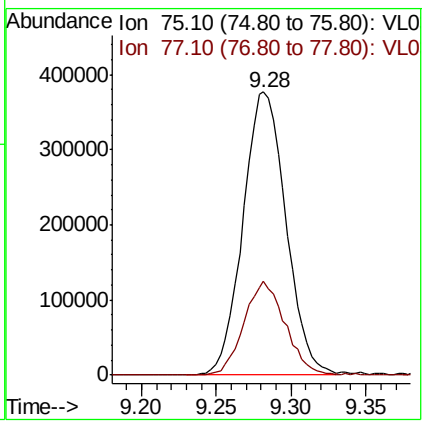


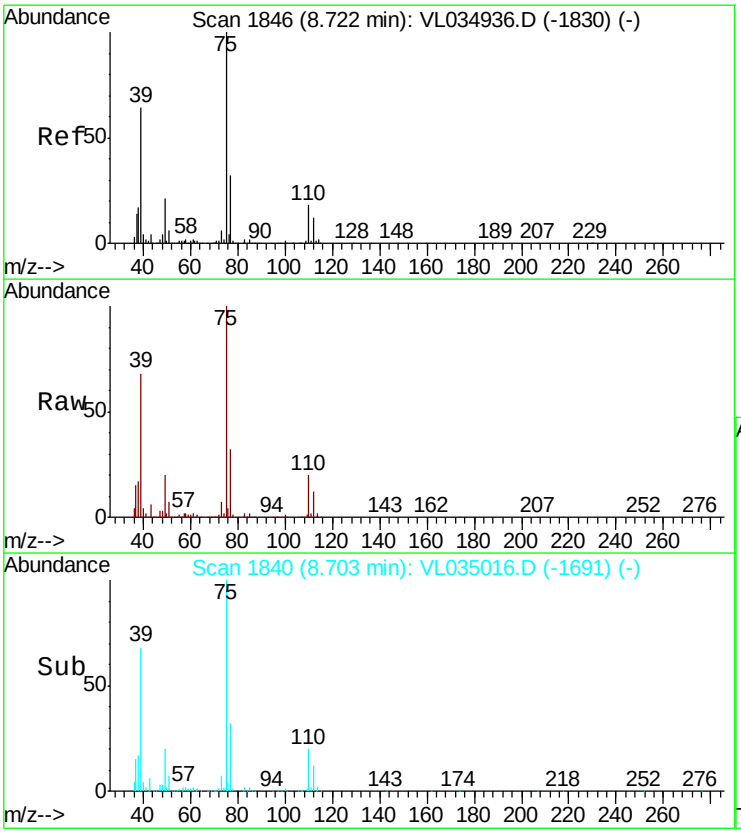
#45
t-1,3-Dichloropropene
Concen: 11.239 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 75 Resp: 754192

Ion	Ratio	Lower	Upper
75	100		
77	33.3	24.9	37.3

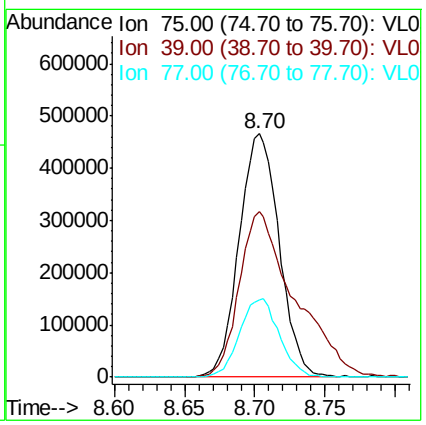


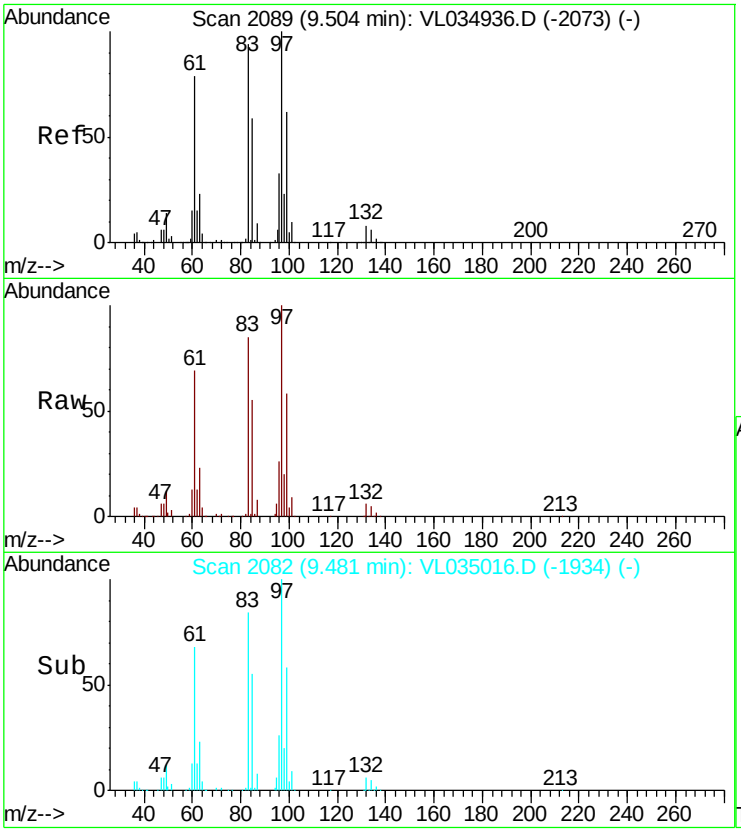


#46
cis-1,3-Dichloropropene
Concen: 11.255 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 75 Resp: 927210

Ion	Ratio	Lower	Upper
75	100		
39	68.1	51.5	77.3
77	31.6	25.5	38.3



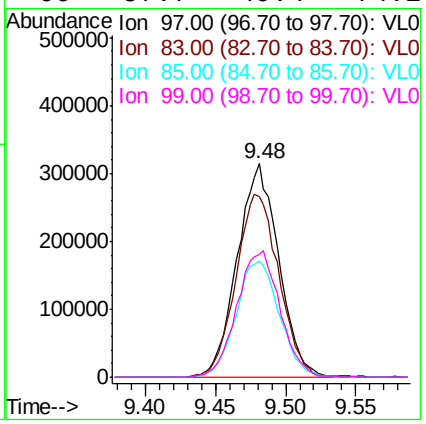


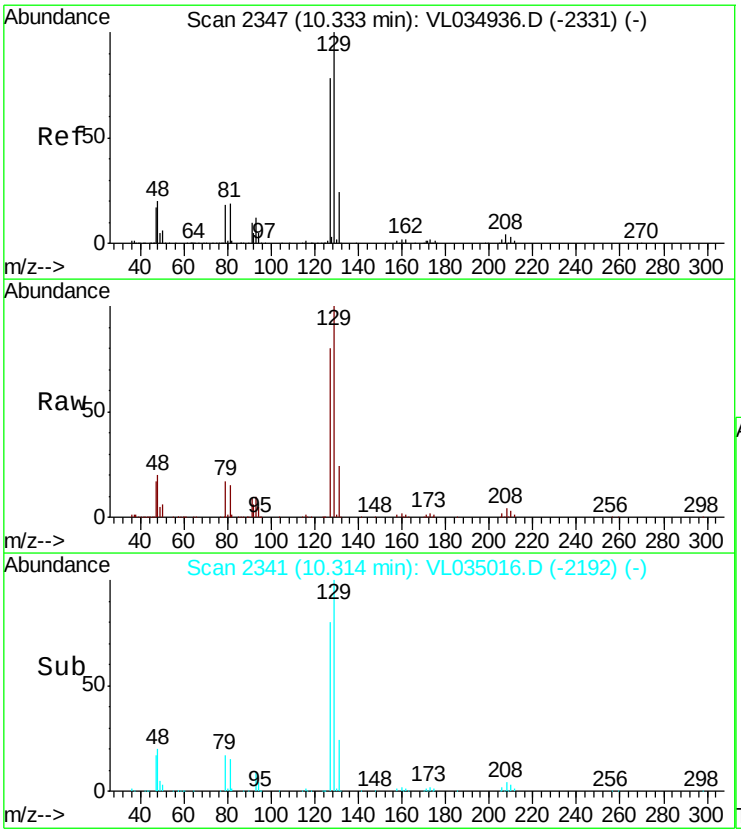
#47
1,1,2-Trichloroethane
Concen: 9.704 ppbv
RT: 9.48 min Scan# 2082
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 97 Resp: 646421

Ion	Ratio	Lower	Upper
97	100		
83	84.4	75.6	113.4
85	54.8	47.0	70.6
99	57.7	49.4	74.2

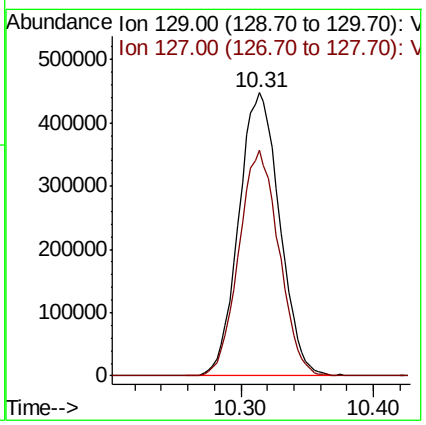


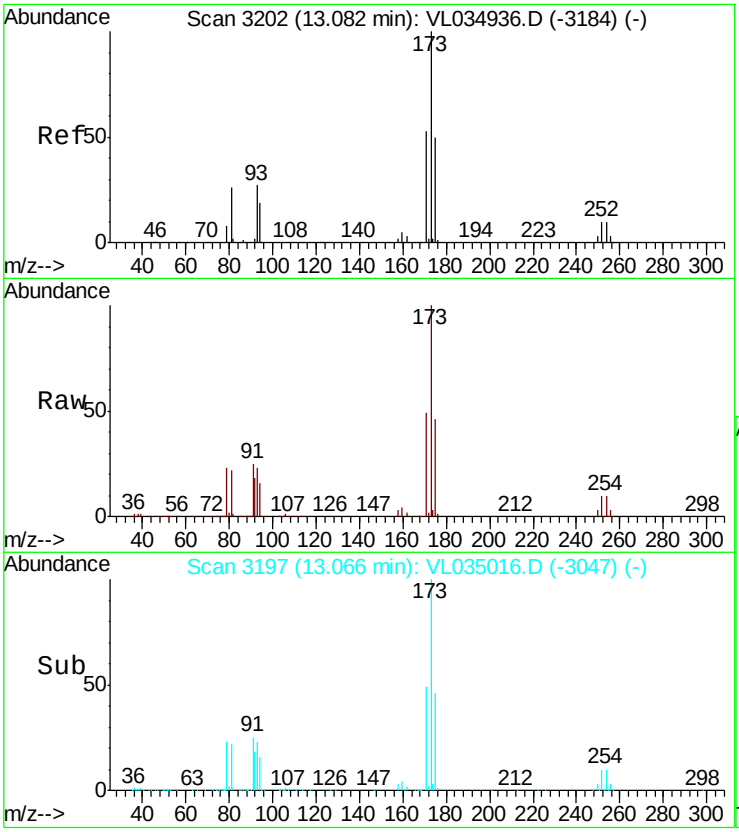


#48
Dibromochloromethane
Concen: 9.384 ppbv
RT: 10.31 min Scan# 2341
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion:129 Resp: 961333

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.2



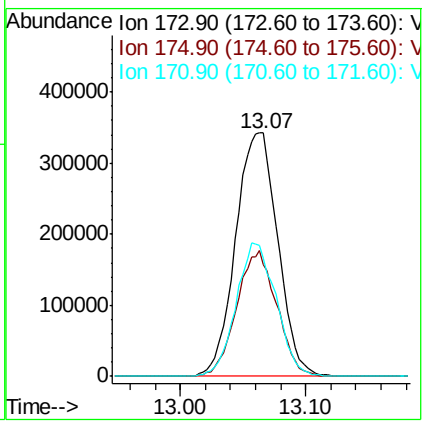


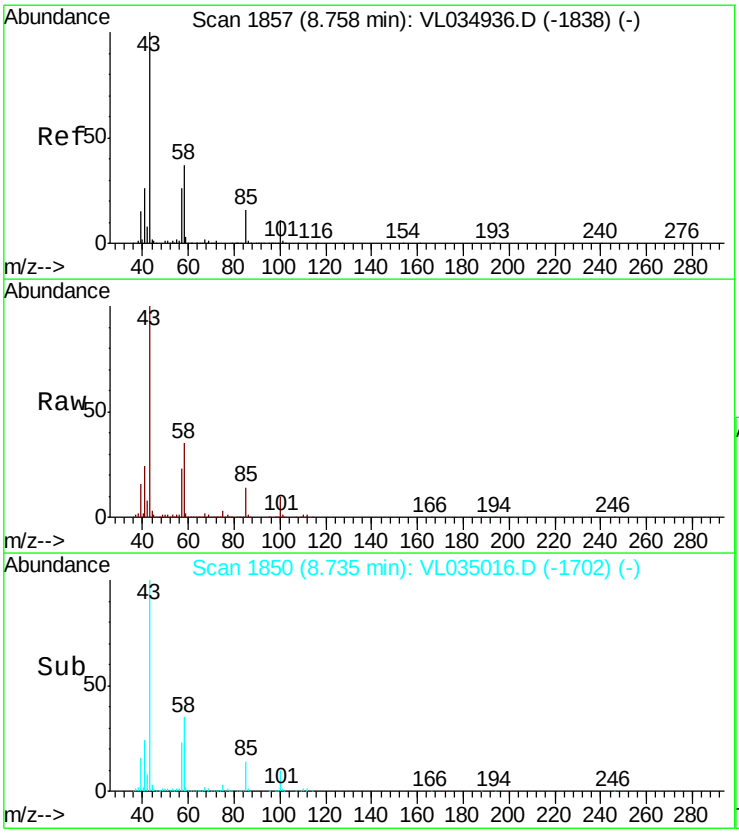
#49
Bromoform
Concen: 9.072 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 799670

Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.0	58.6
171	52.2	41.4	62.2

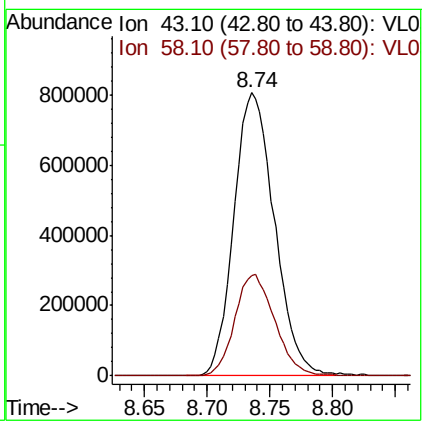


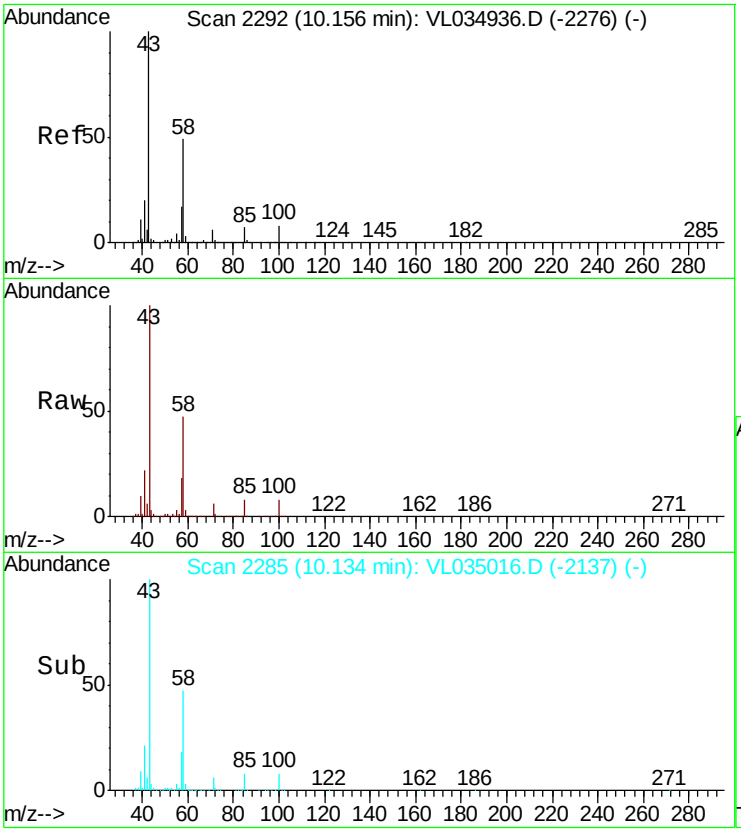


#50
4-Methyl-2-Pentanone
Concen: 10.694 ppbv
RT: 8.74 min Scan# 1850
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 43 Resp: 1810167

Ion	Ratio	Lower	Upper
43	100		
58	35.4	29.1	43.7



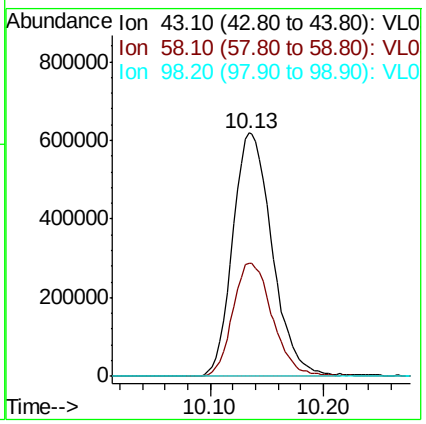


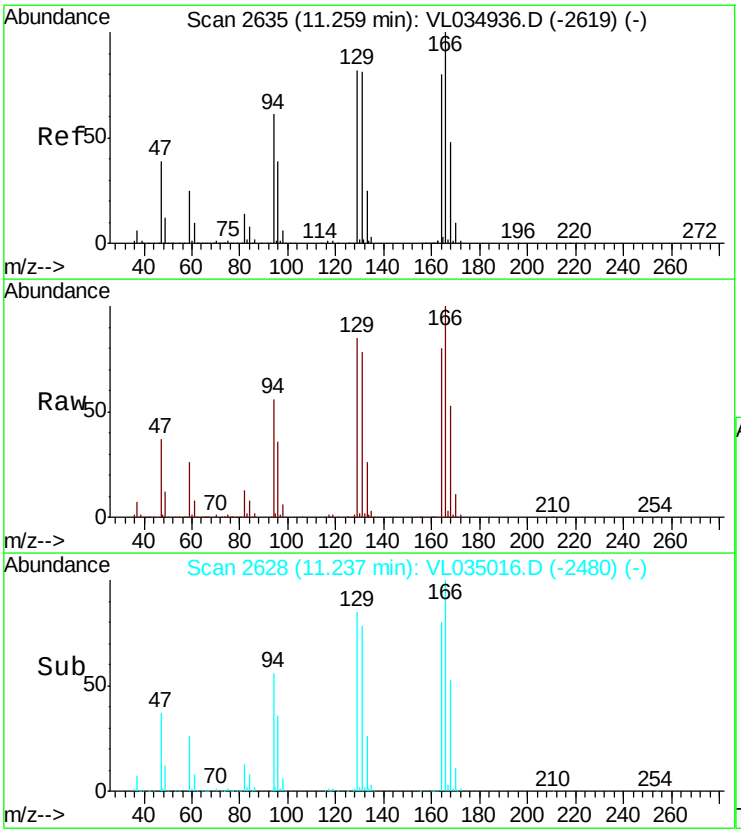
#51
2-Hexanone
Concen: 11.317 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1498422

Ion	Ratio	Lower	Upper
43	100		
58	47.0	39.1	58.7
98	0.1	0.3	0.5#

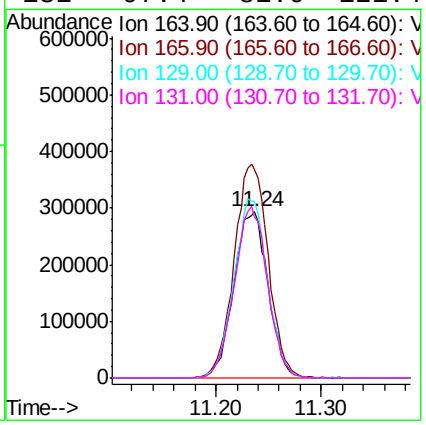


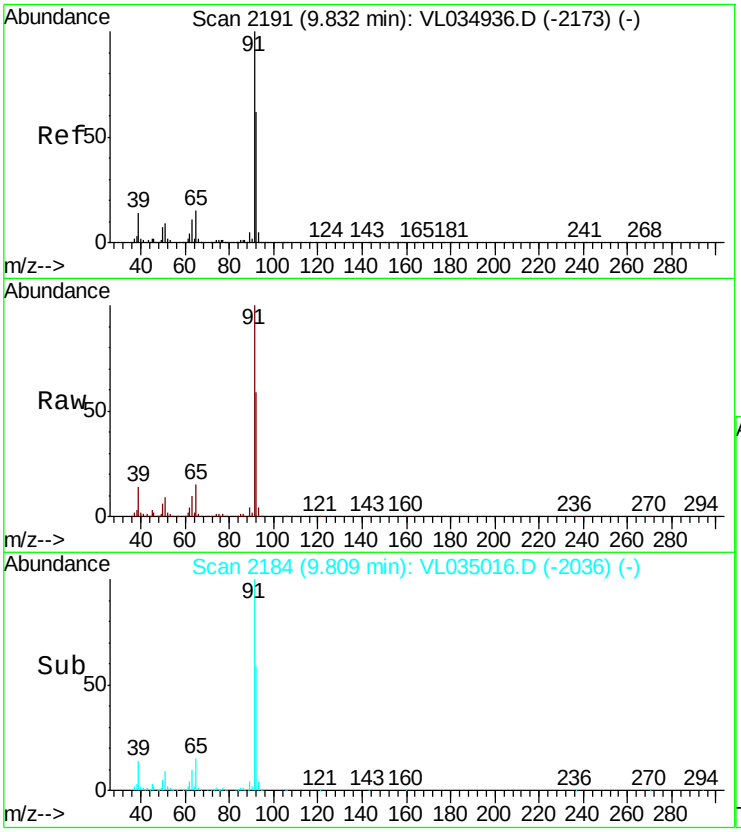


#52
Tetrachloroethene
Concen: 11.858 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion:164 Resp: 663971

Ion	Ratio	Lower	Upper
164	100		
166	125.6	100.7	151.1
129	106.2	83.0	124.4
131	97.4	81.0	121.4



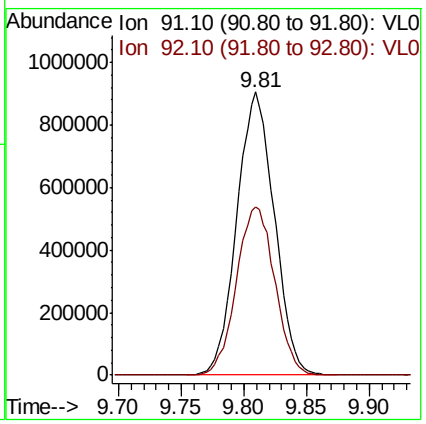


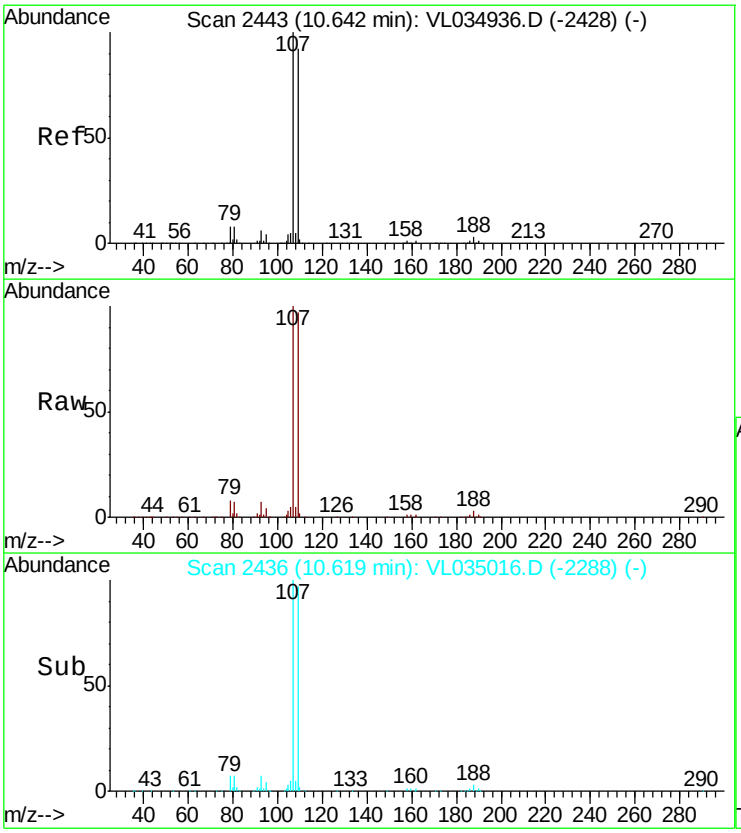
#53
Toluene
Concen: 11.253 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 1878441

Ion	Ratio	Lower	Upper
91	100		
92	61.0	48.6	73.0

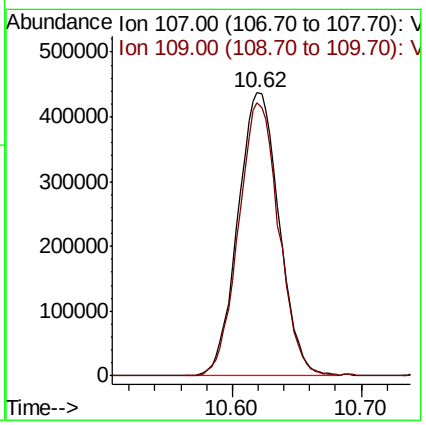


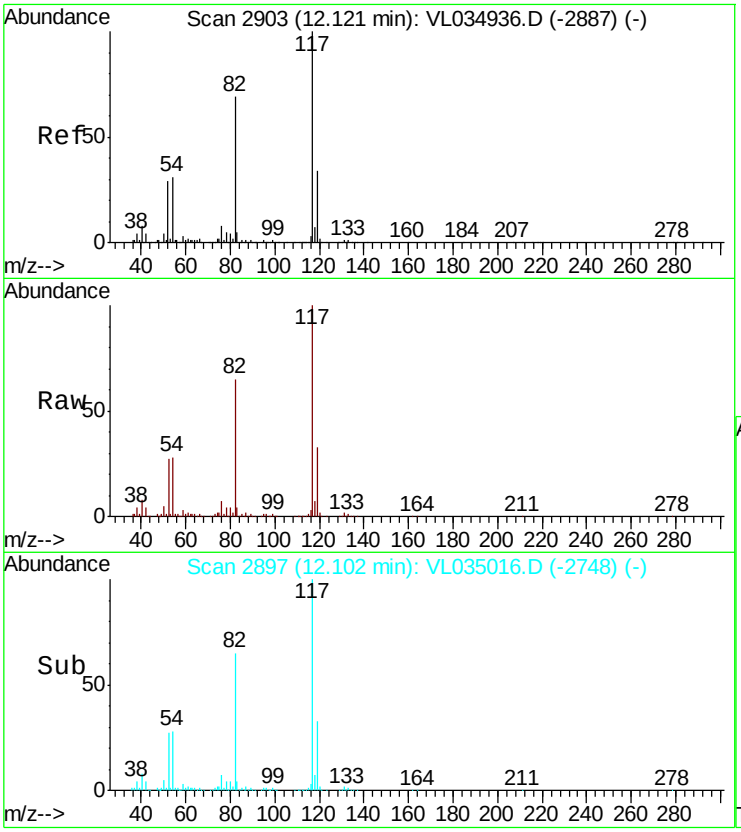


#54
1,2-Dibromoethane
Concen: 9.961 ppbv
RT: 10.62 min Scan# 2436
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion:107 Resp: 974368

Ion	Ratio	Lower	Upper
107	100		
109	96.4	73.2	109.8



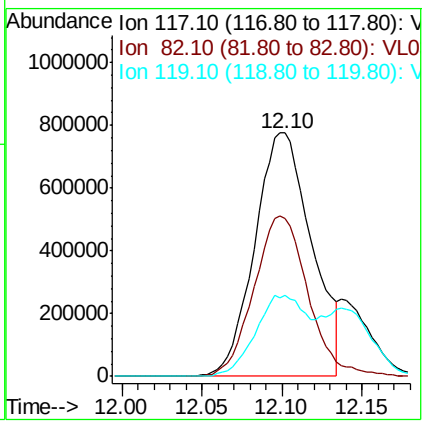


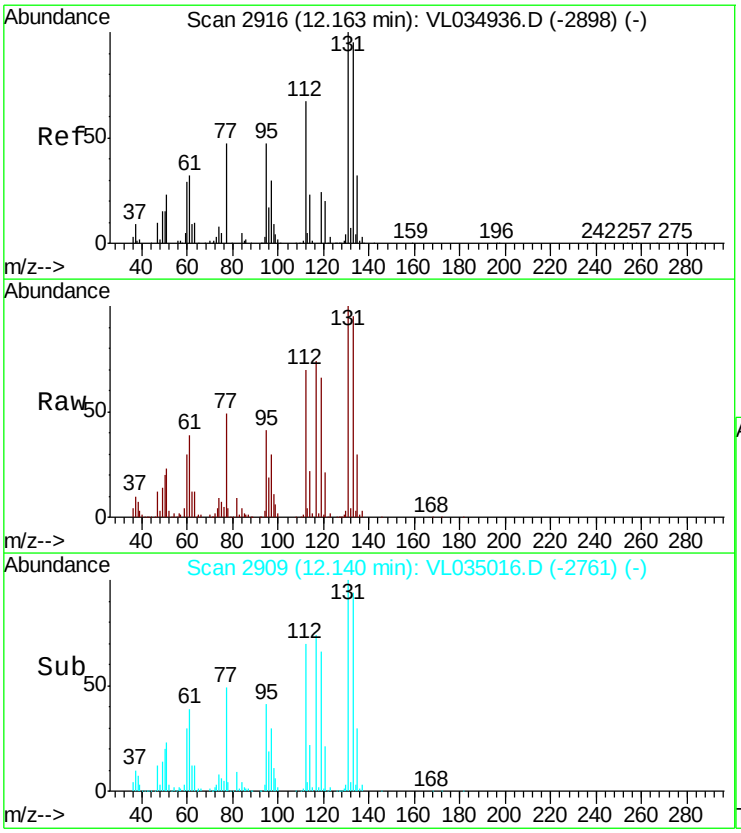
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 1916254

Ion	Ratio	Lower	Upper
117	100		
82	62.7	53.1	79.7
119	54.9	26.7	40.1#

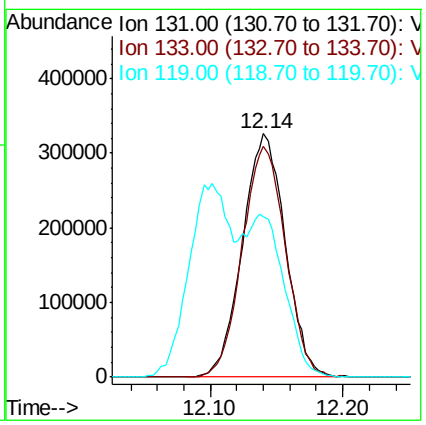


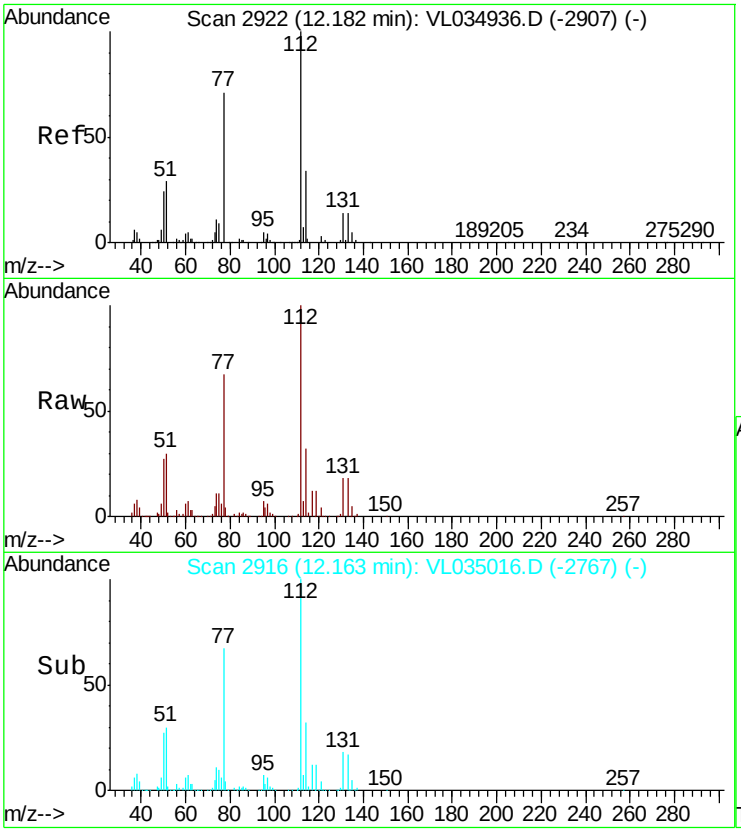


#56
1,1,1,2-Tetrachloroethane
Concen: 8.460 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion:131 Resp: 731052

Ion	Ratio	Lower	Upper
131	100		
133	96.0	77.7	116.5
119	52.6	49.8	74.6



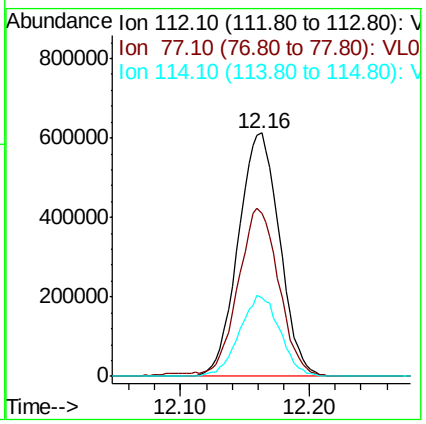


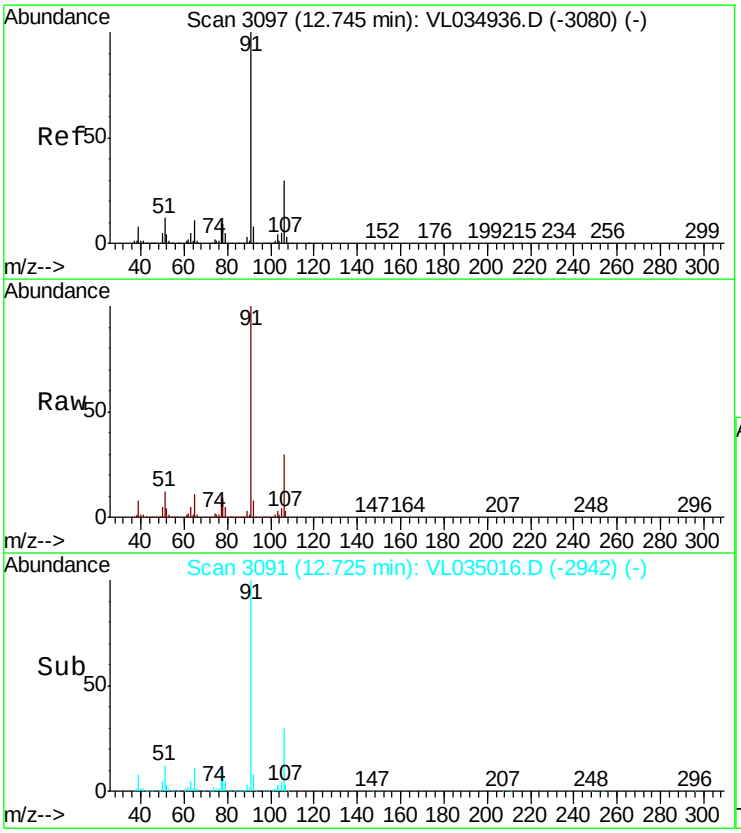
#57
Chlorobenzene
Concen: 8.962 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:112 Resp: 1360556

Ion	Ratio	Lower	Upper
112	100		
77	66.7	57.0	85.6
114	32.1	30.8	37.6

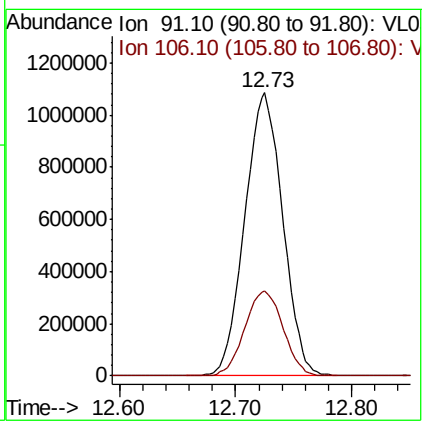


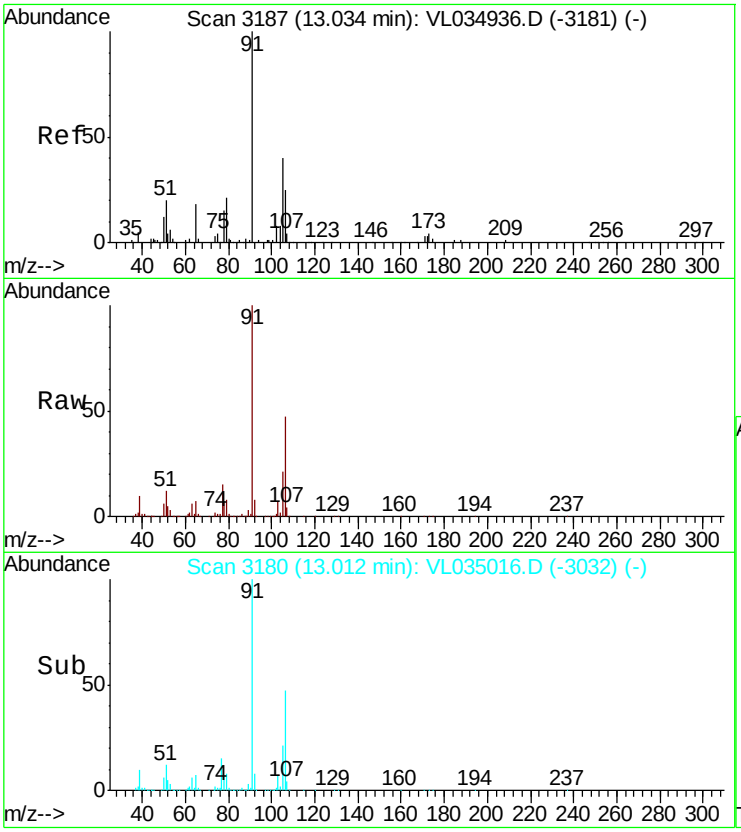


#58
Ethyl Benzene
Concen: 10.422 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 91 Resp: 2469667

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.2	36.4



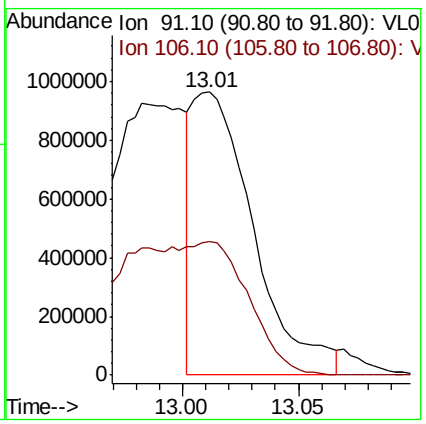


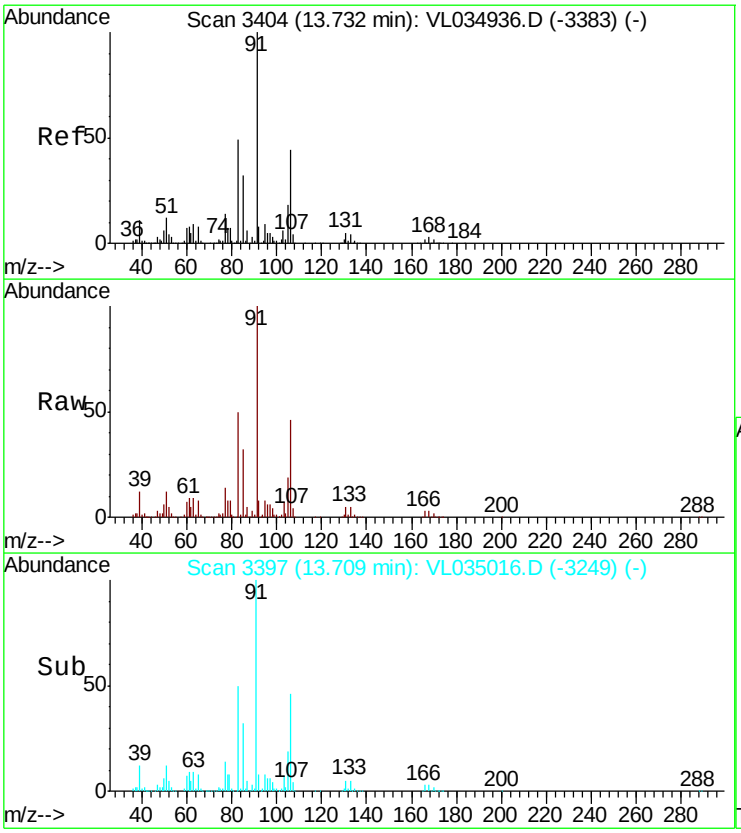
#59
m/p-Xylene
Concen: 8.346 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 1740067

Ion	Ratio	Lower	Upper
91	100		
106	104.3	66.0	99.0#

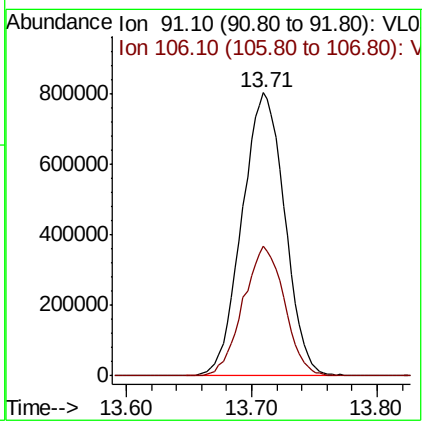


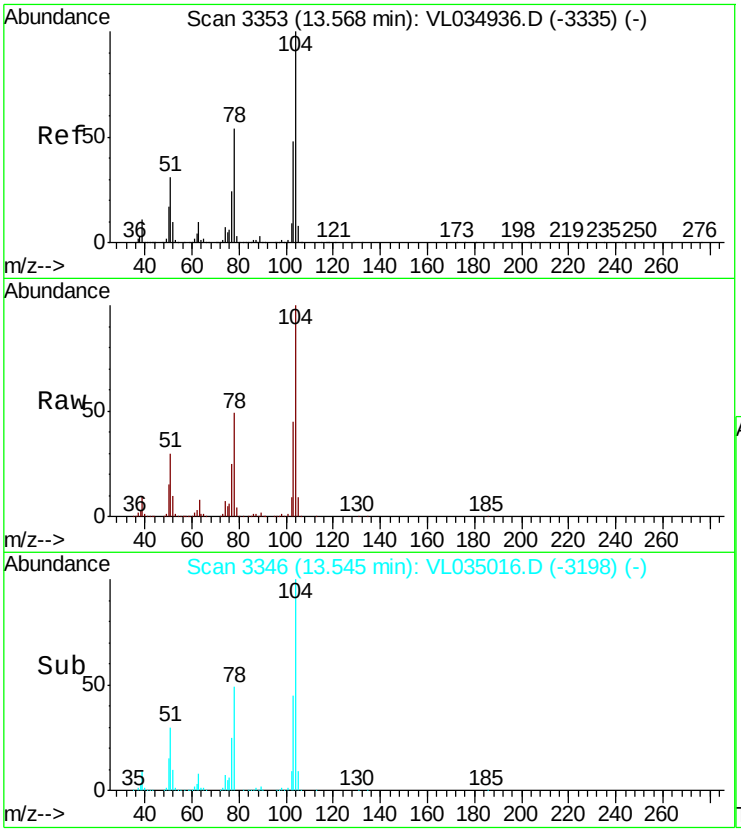


#60
o-Xylene
Concen: 9.232 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 91 Resp: 1899299

Ion	Ratio	Lower	Upper
91	100		
106	44.4	21.9	65.5



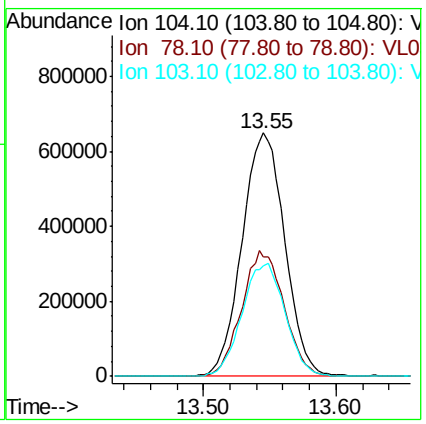


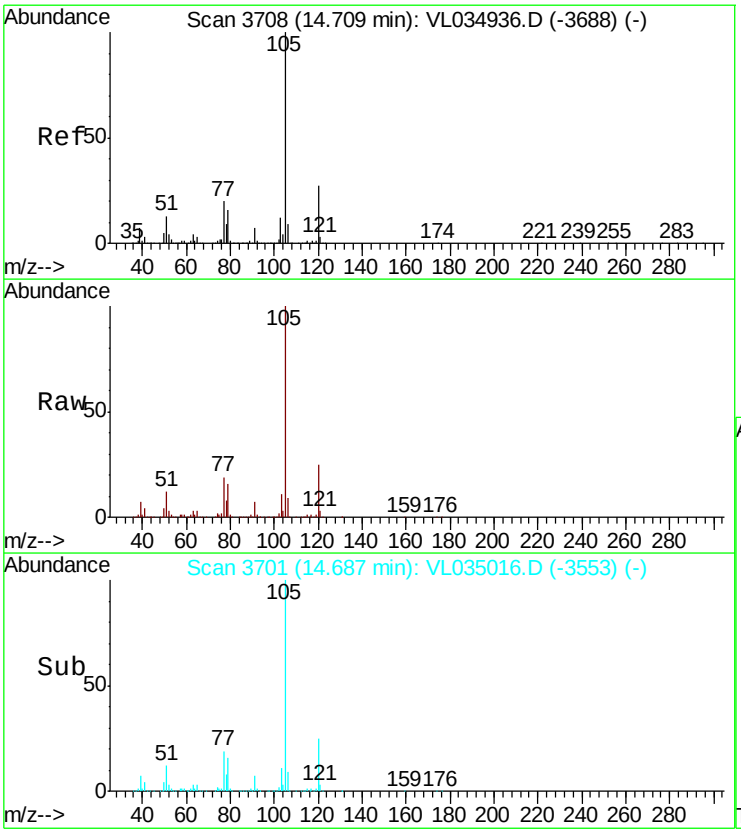
#61
Stvrene
Concen: 11.163 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:104 Resp: 1453321

Ion	Ratio	Lower	Upper
104	100		
78	51.4	43.7	65.5
103	46.9	38.8	58.2

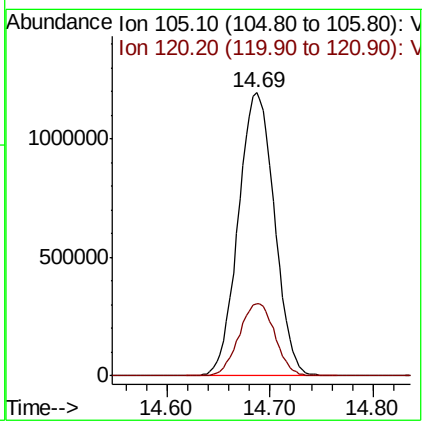


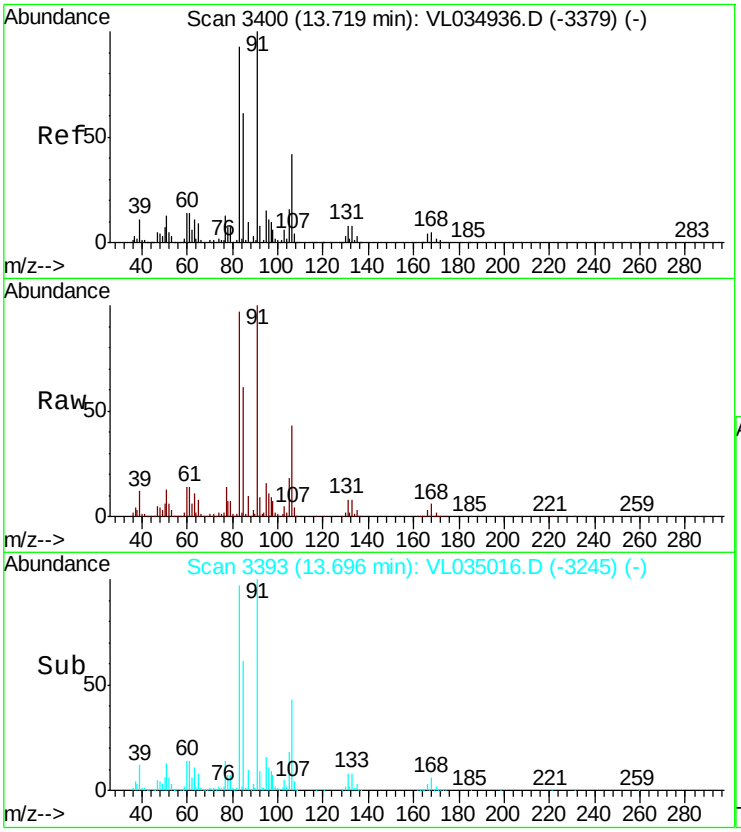


#62
Isopropylbenzene
Concen: 9.460 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion:105 Resp: 2905768

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.6	31.0



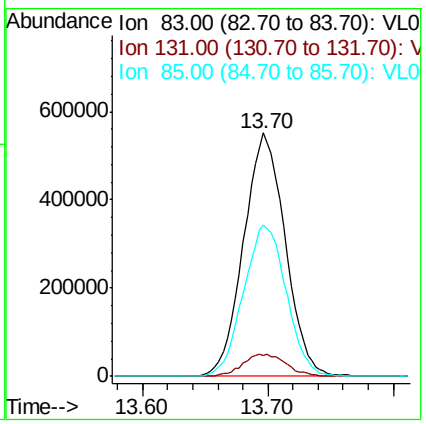


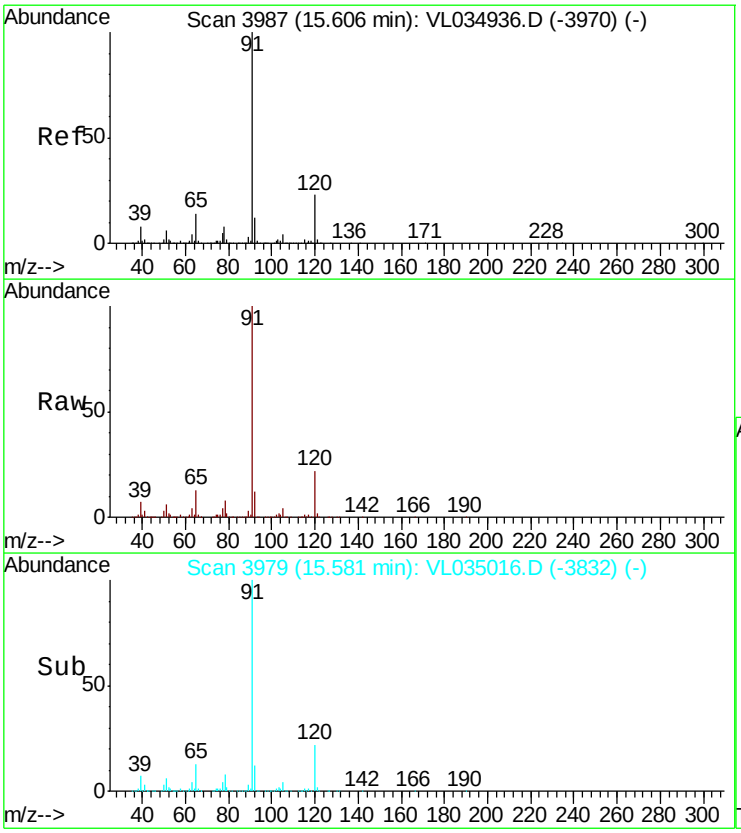
#63
1,1,2,2-Tetrachloroethane
Concen: 7.855 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1272040

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.7	14.0
85	64.1	32.5	97.4

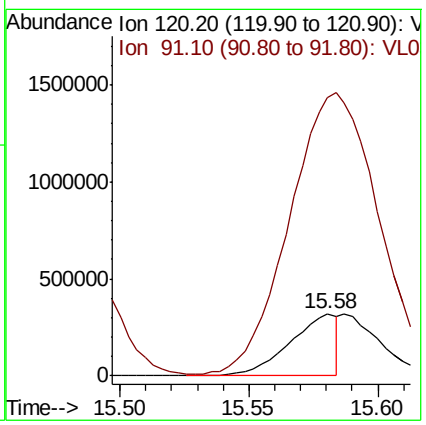


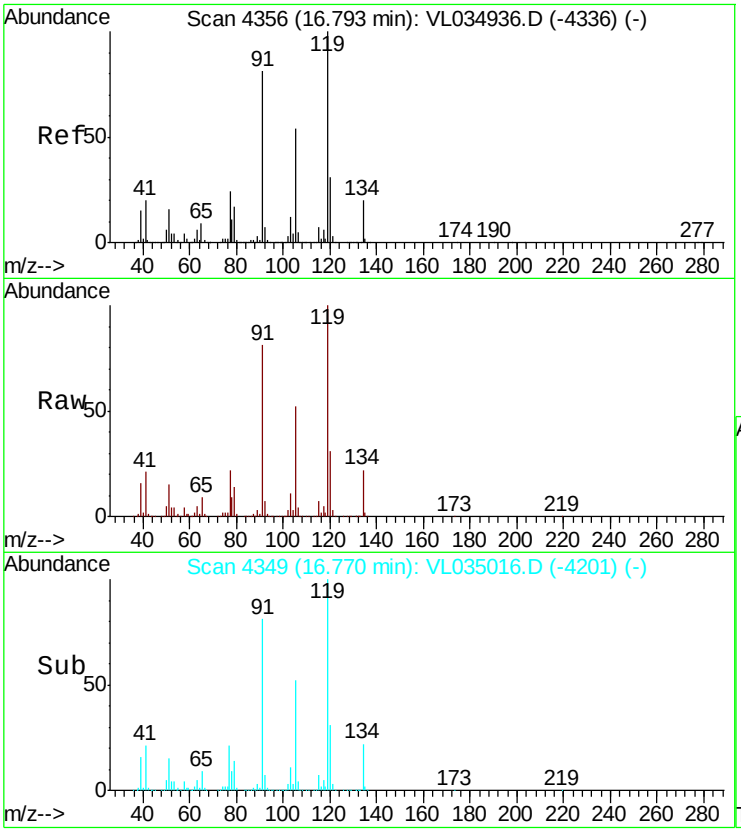


#64
n-propylbenzene
Concen: 5.162 ppbv
RT: 15.58 min Scan# 3979
Delta R.T. -0.03 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion:120 Resp: 406705

Ion	Ratio	Lower	Upper
120	100		
91	542.4	373.5	560.3



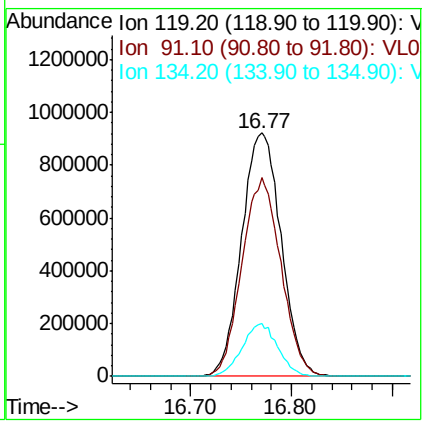


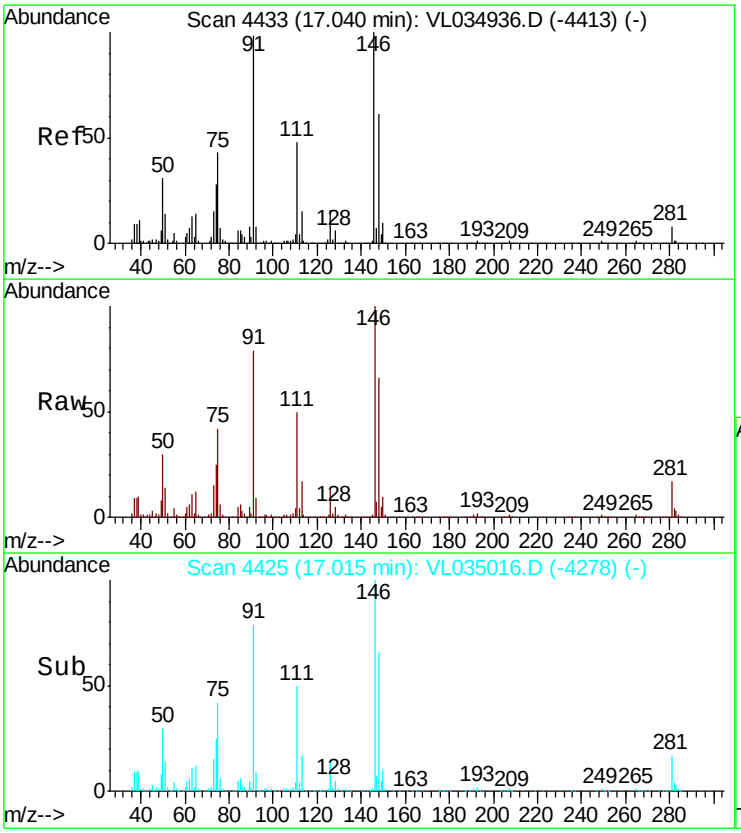
#65
tert-Butylbenzene
Concen: 9.397 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:119 Resp: 2503387

Ion	Ratio	Lower	Upper
119	100		
91	80.7	67.5	101.3
134	19.6	16.1	24.1

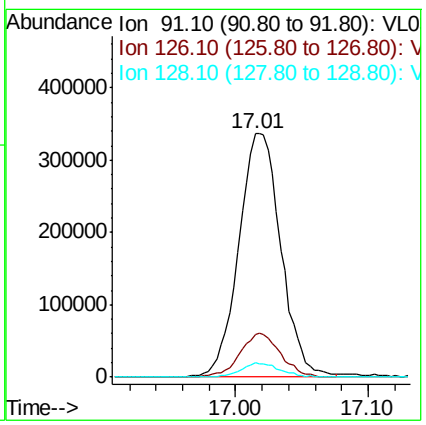


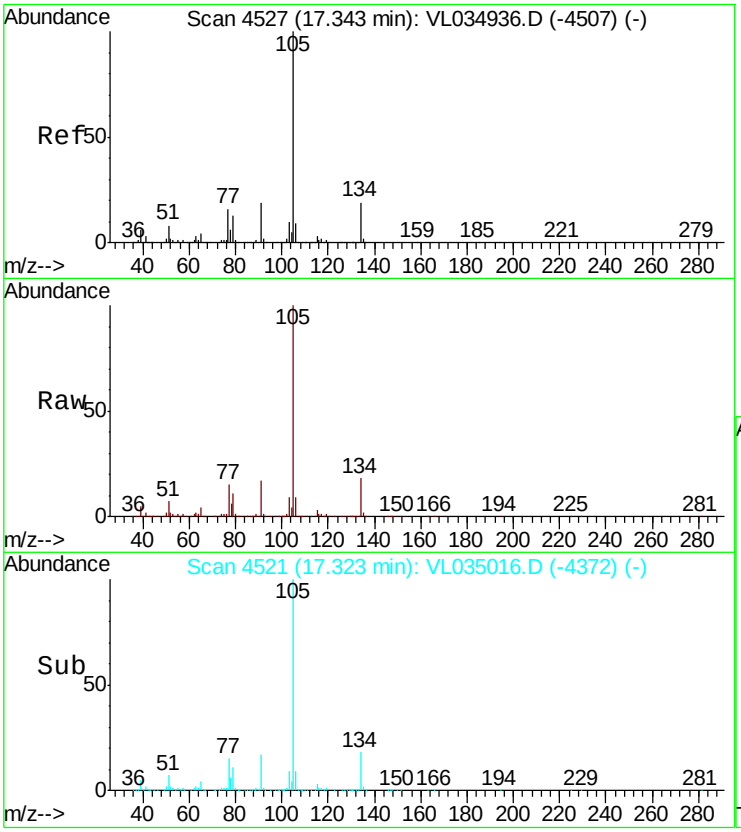


#66
Benzyl Chloride
Concen: 8.167 ppbv
RT: 17.01 min Scan# 4425
Delta R.T. -0.03 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 91 Resp: 738619

Ion	Ratio	Lower	Upper
91	100		
126	17.5	13.8	20.6
128	5.4	4.3	6.5



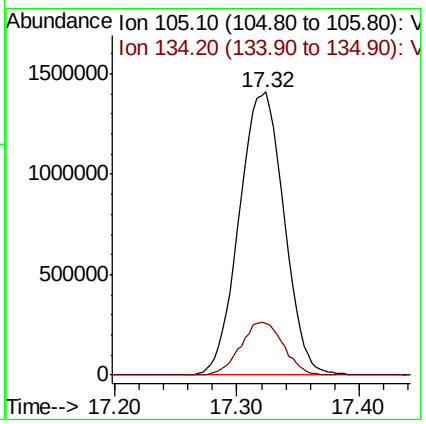


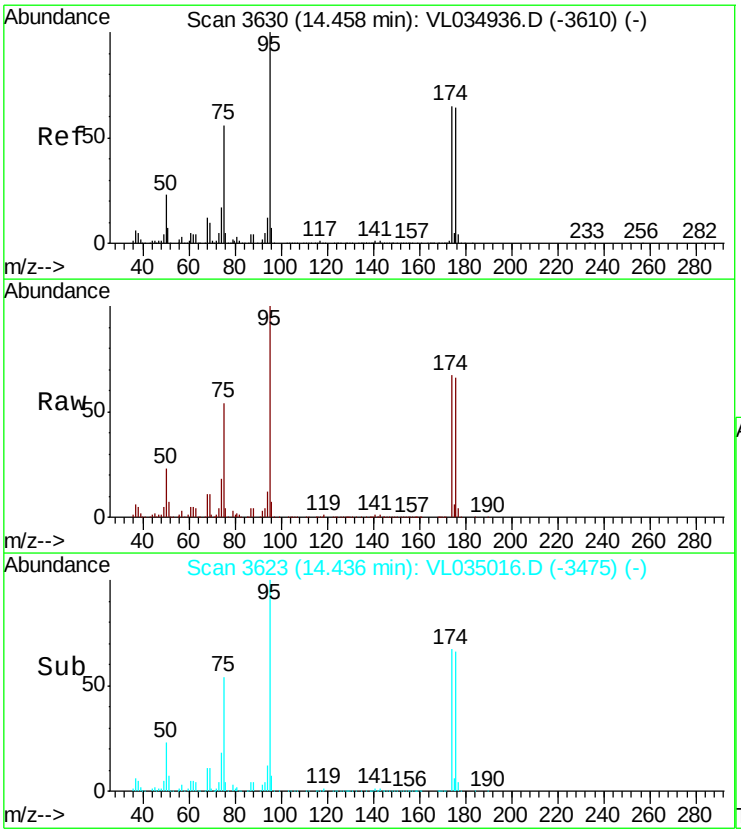
#67
sec-Butylbenzene
Concen: 9.389 ppbv
RT: 17.32 min Scan# 4521
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:105 Resp: 3570568

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.8	22.2

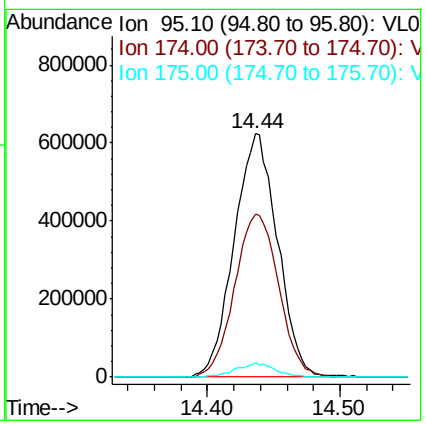


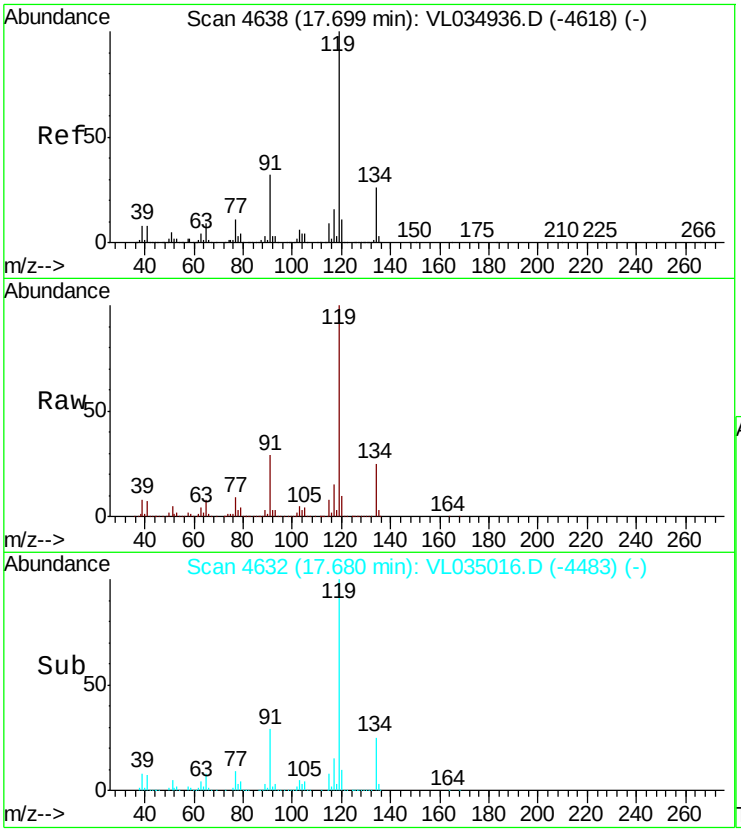


#68
1-Bromo-4-Fluorobenzene
Concen: 9.084 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 95 Resp: 1408951

Ion	Ratio	Lower	Upper
95	100		
174	68.5	51.5	77.3
175	5.3	3.8	5.8



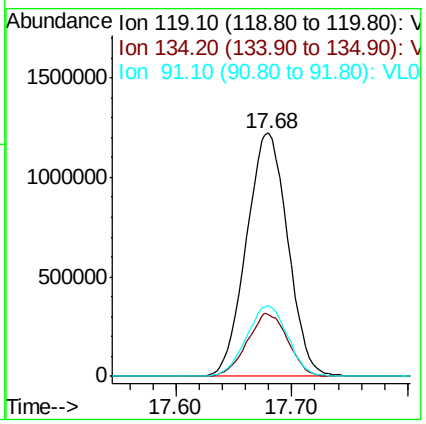


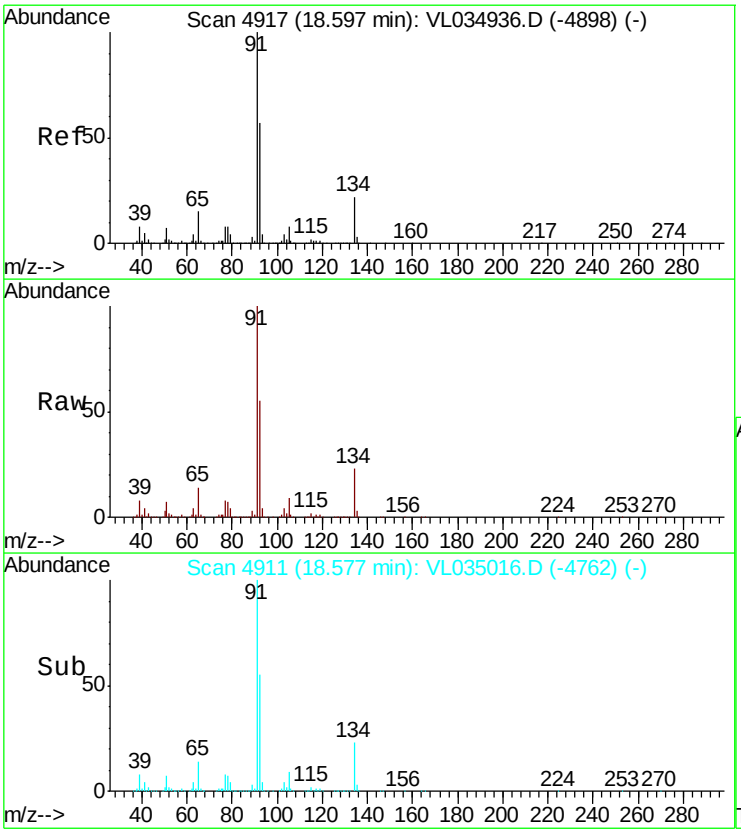
#69
p-Isopropyltoluene
Concen: 9.867 ppbv
RT: 17.68 min Scan# 4632
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:119 Resp: 3035602

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	28.9	24.6	36.8

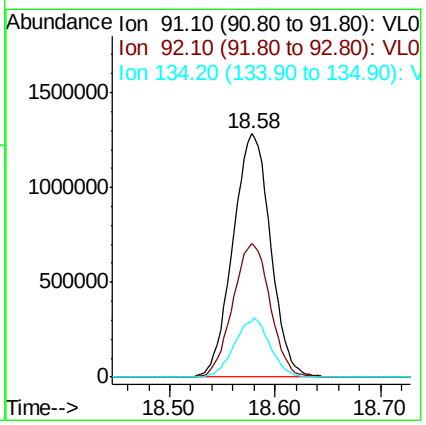


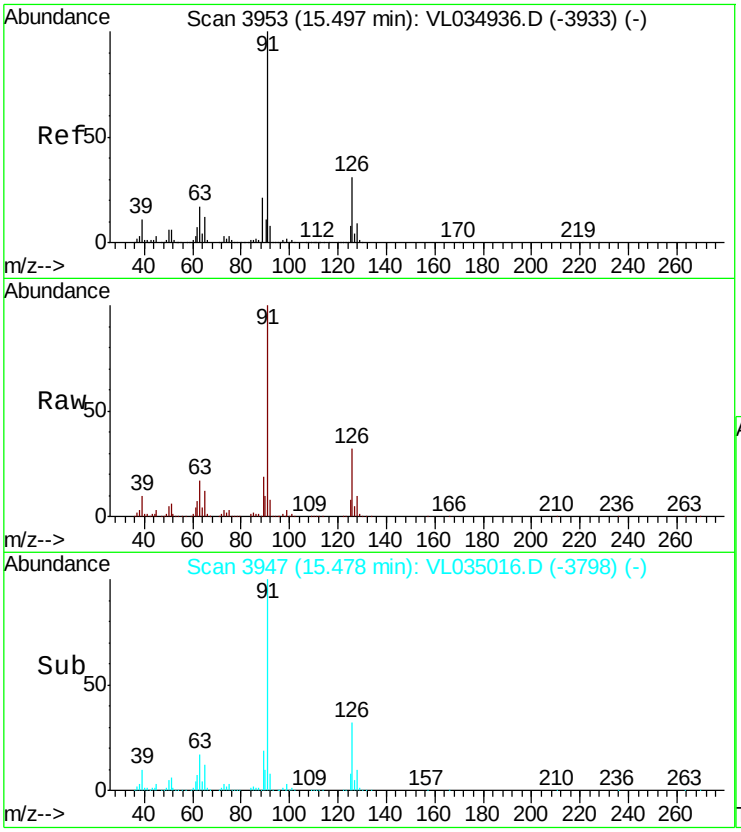


#70
n-Butylbenzene
Concen: 9.676 ppbv
RT: 18.58 min Scan# 4911
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 91 Resp: 3168345

Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.4	66.6
134	22.9	18.0	27.0



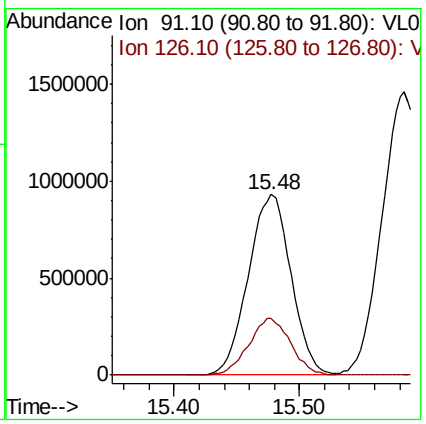


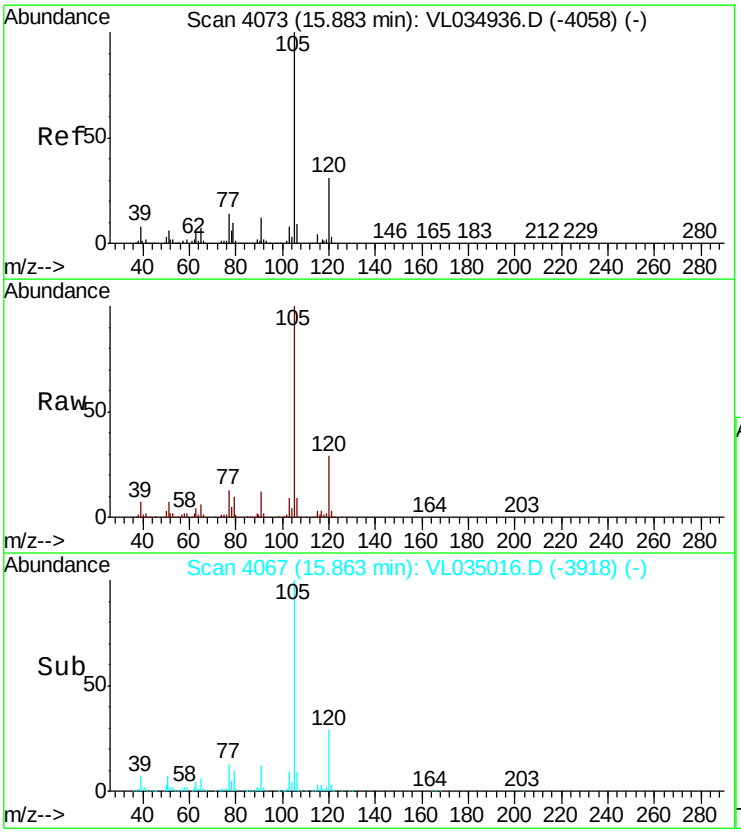
#71
2-Chlorotoluene
Concen: 9.522 ppbv
RT: 15.48 min Scan# 3947
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2207734

Ion	Ratio	Lower	Upper
91	100		
126	30.8	12.0	47.8

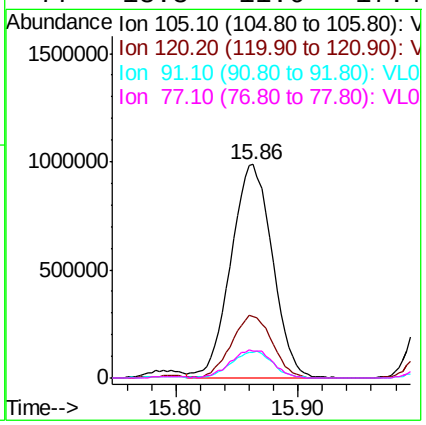


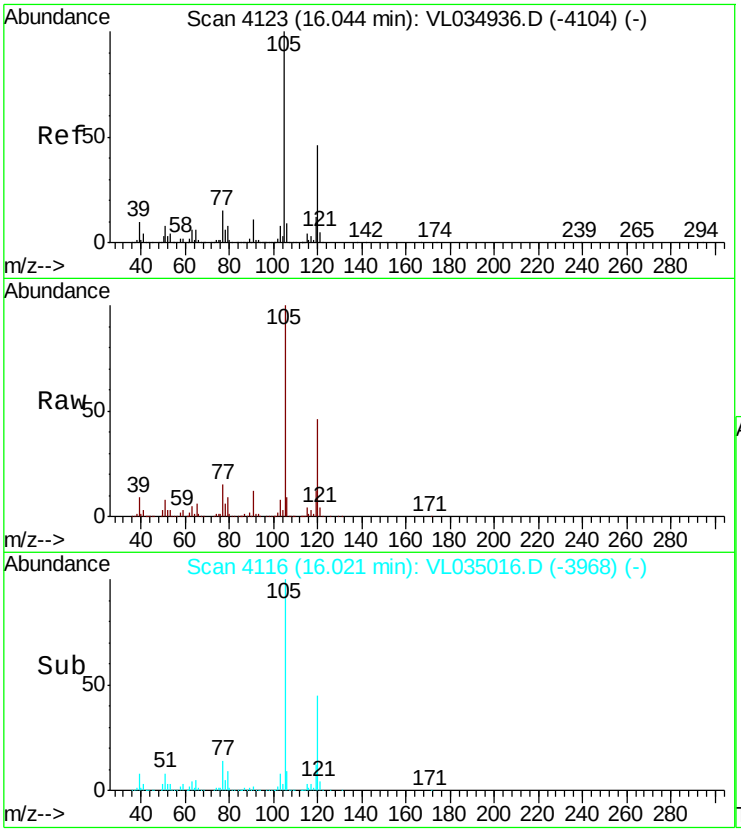


#72
4-Ethyltoluene
Concen: 10.100 ppbv
RT: 15.86 min Scan# 4067
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion:105 Resp: 2318322

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.8	35.8
91	12.5	10.6	15.8
77	13.3	11.6	17.4



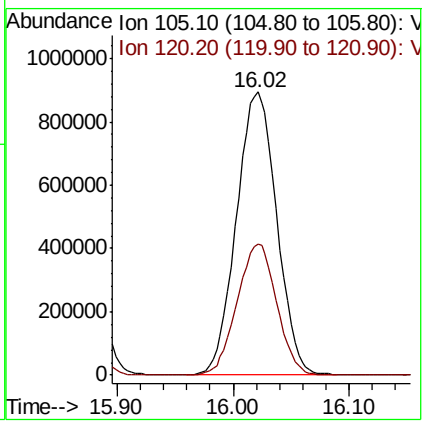


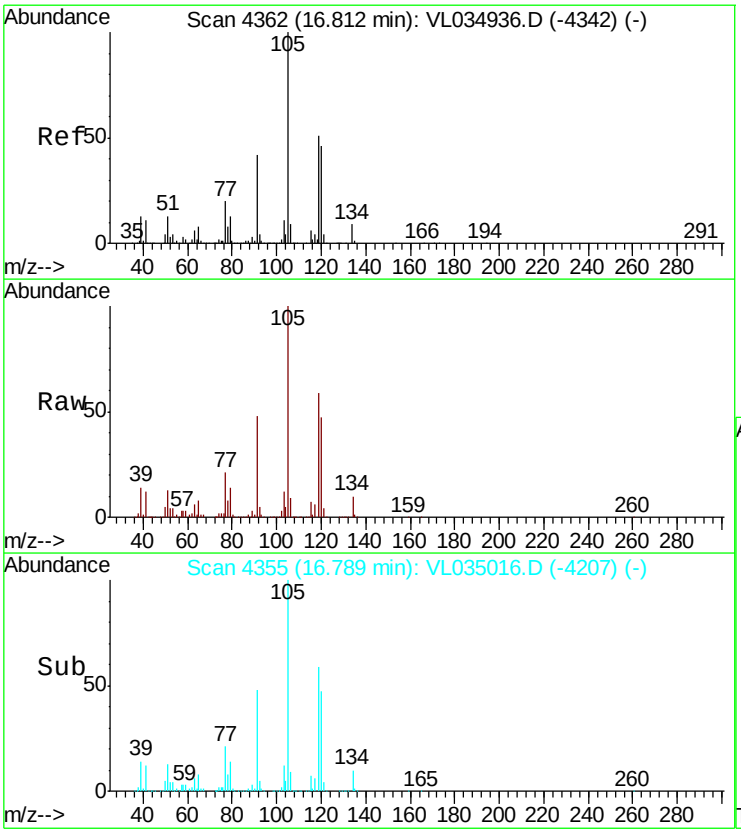
#73
1,3,5-Trimethylbenzene
Concen: 9.622 ppbv
RT: 16.02 min Scan# 4116
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 2149304

Ion	Ratio	Lower	Upper
105	100		
120	46.4	36.4	54.6

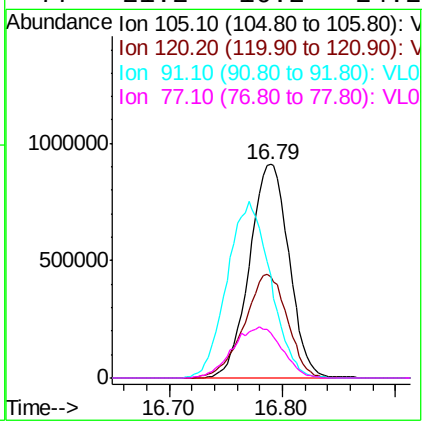


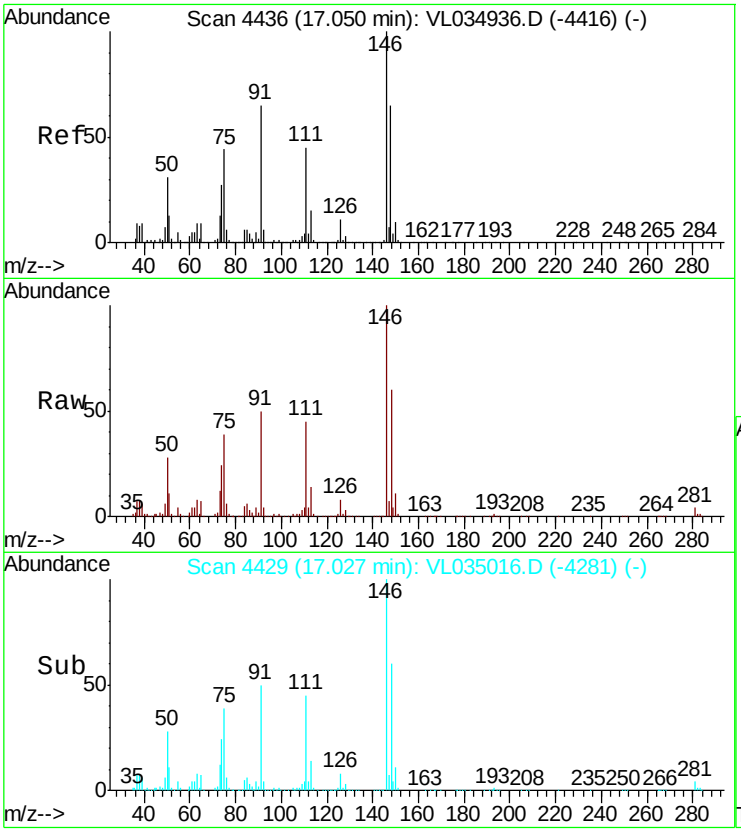


#74
1,2,4-Trimethylbenzene
Concen: 9.051 ppbv
RT: 16.79 min Scan# 4355
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion:105 Resp: 2206684

Ion	Ratio	Lower	Upper
105	100		
120	47.3	36.8	55.2
91	47.5	35.4	53.0
77	21.2	16.2	24.2



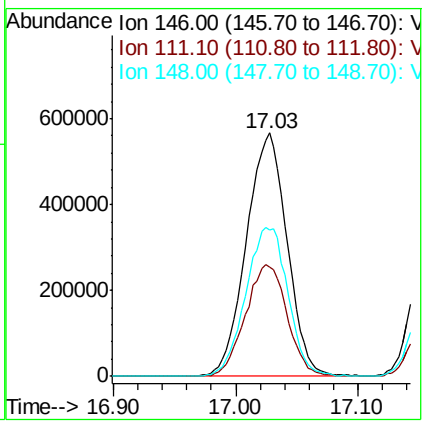


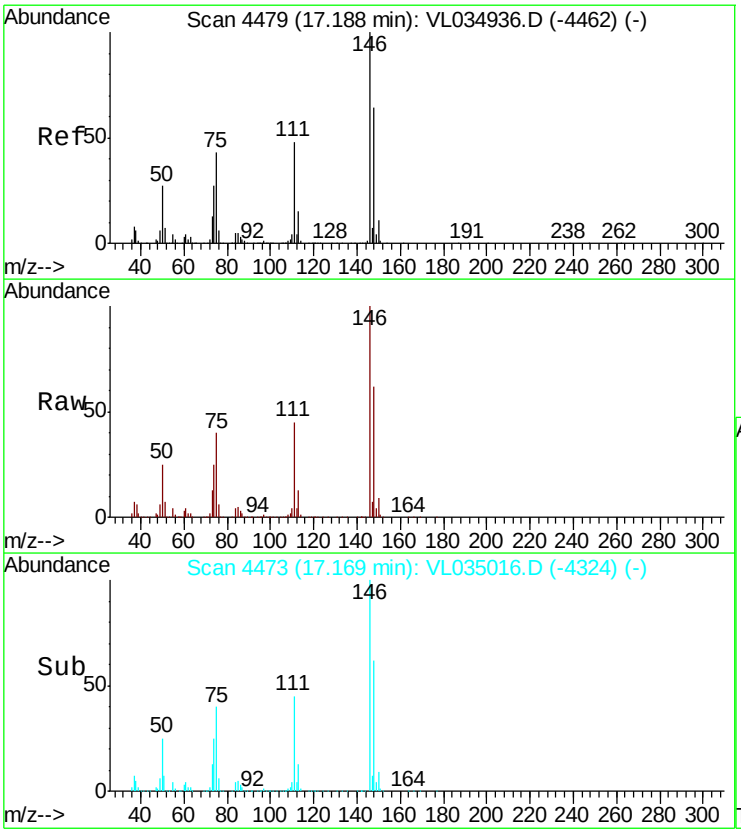
#75
1,3-Dichlorobenzene
Concen: 9.145 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:146 Resp: 1309323

Ion	Ratio	Lower	Upper
146	100		
111	47.1	24.0	72.0
148	63.7	32.6	97.7

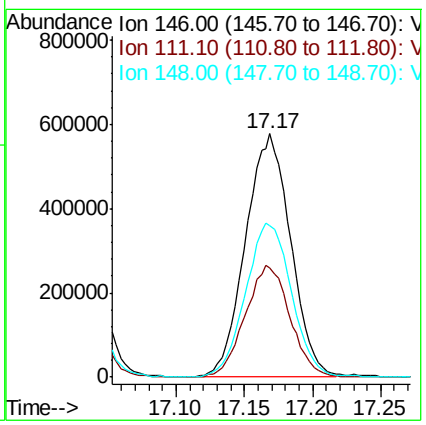


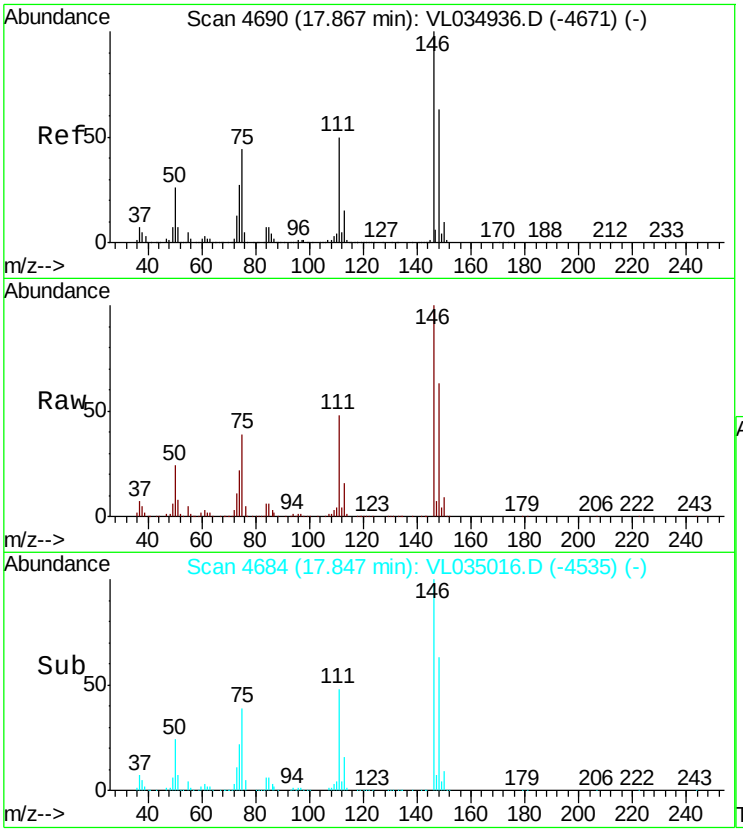


#76
1,4-Dichlorobenzene
Concen: 9.699 ppbv
RT: 17.17 min Scan# 4473
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion:146 Resp: 1319352

Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.7	71.1
148	64.9	32.6	97.8



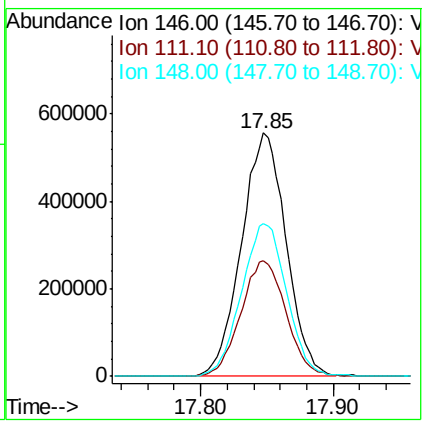


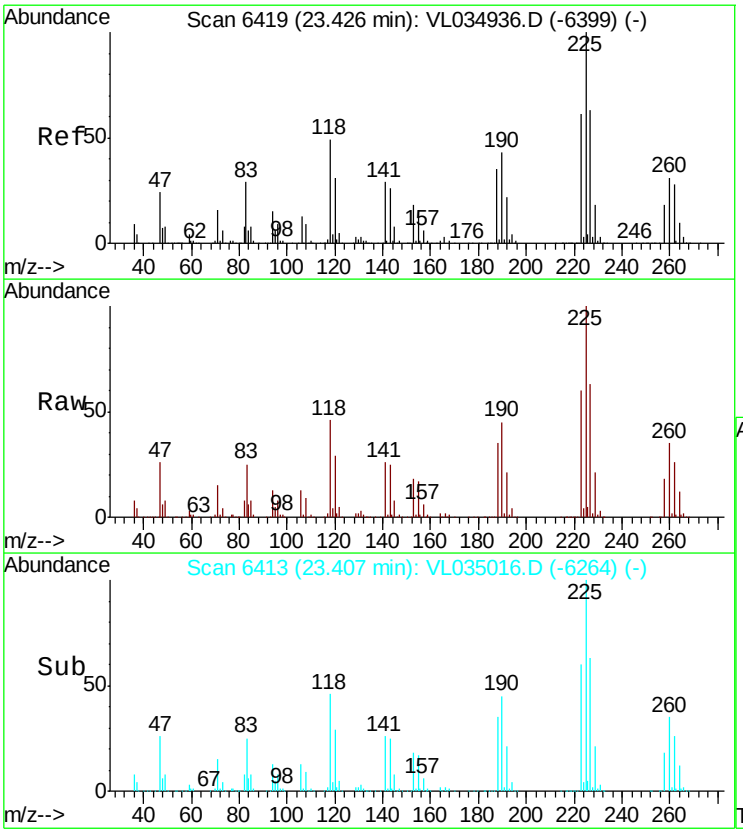
#77
1,2-Dichlorobenzene
Concen: 9.680 ppbv
RT: 17.85 min Scan# 4684
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:146 Resp: 1305782

Ion	Ratio	Lower	Upper
146	100		
111	48.2	24.5	73.5
148	63.7	31.7	95.1

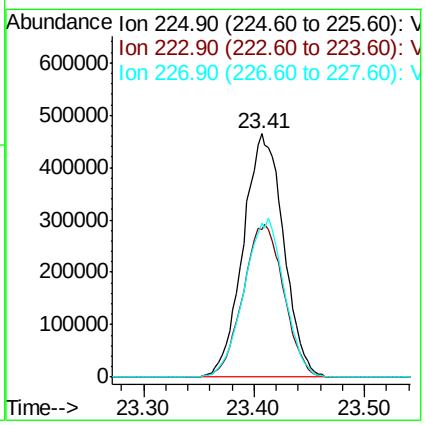


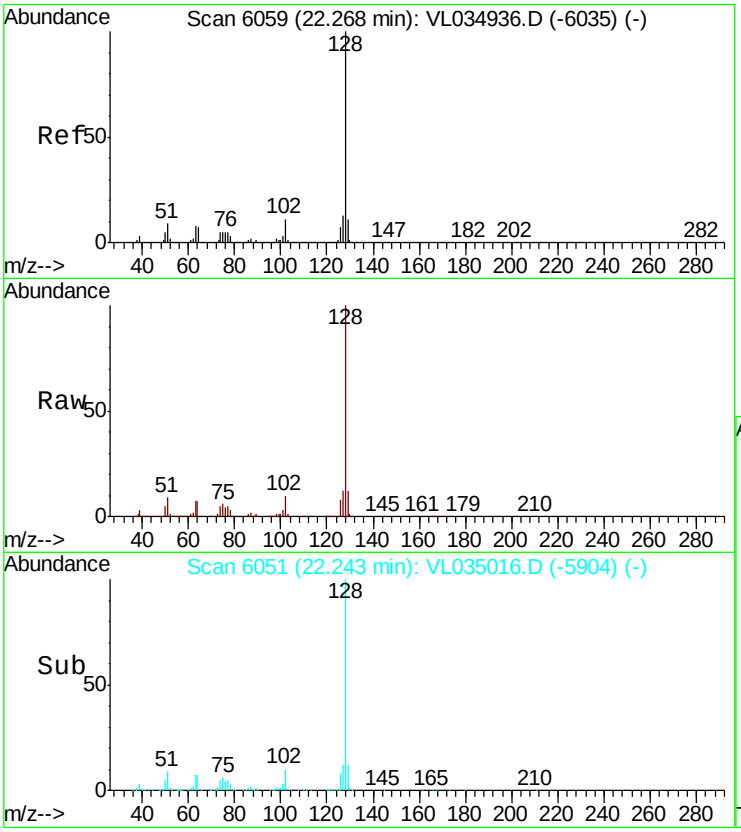


#78
Hexachloro-1,3-Butadiene
Concen: 10.287 ppbv
RT: 23.41 min Scan# 6413
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion:225 Resp: 1182865

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.8	74.8
227	64.6	51.8	77.6



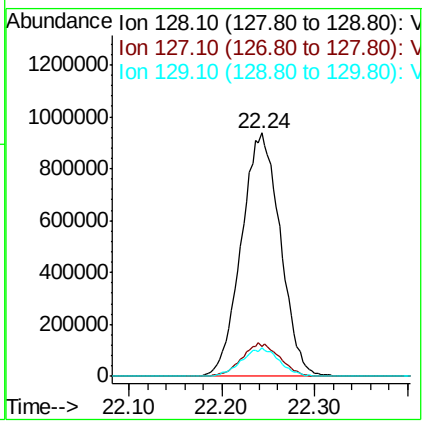


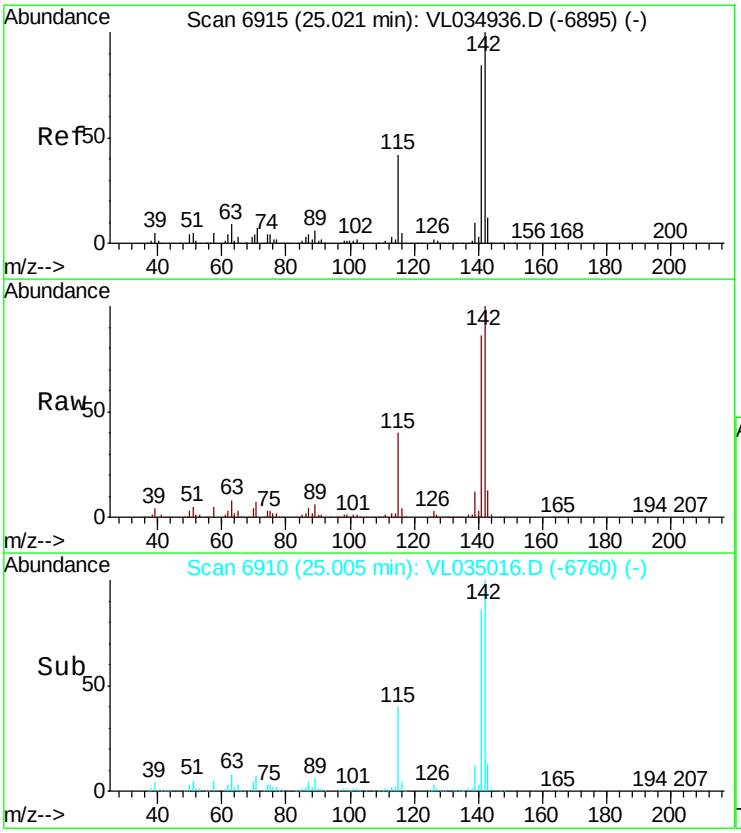
#79
Naphthalene
Concen: 14.390 ppbv
RT: 22.24 min Scan# 6051
Delta R.T. -0.03 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 2732134

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	11.5	9.0	13.4

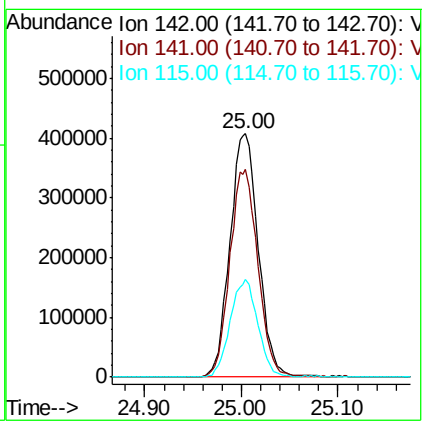


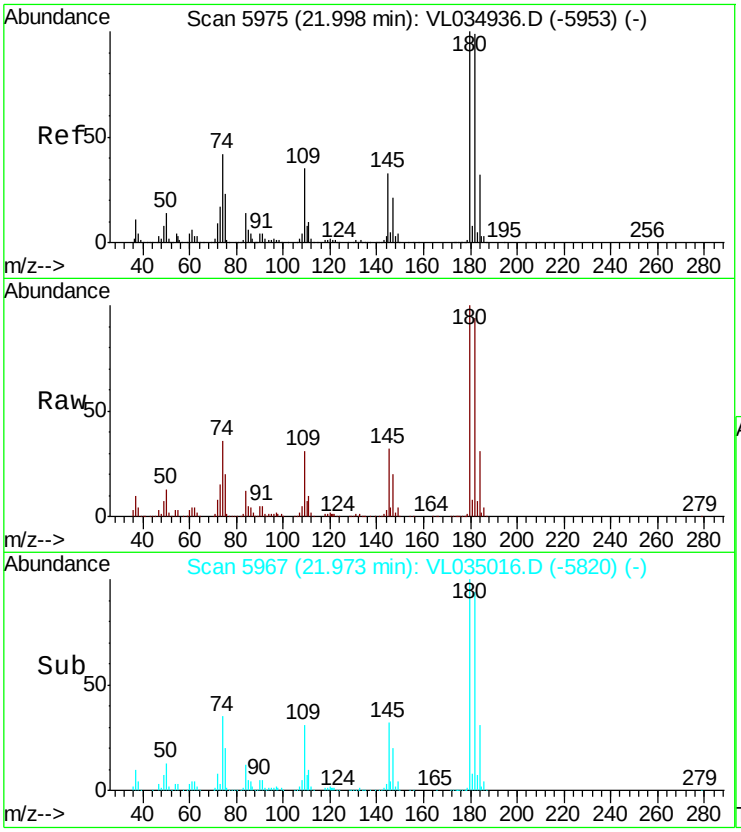


#80
Naphthalene,2-methyl-
Concen: 17.816 ppbv
RT: 25.00 min Scan# 6910
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion:142 Resp: 831507

Ion	Ratio	Lower	Upper
142	100		
141	84.5	68.6	102.8
115	39.6	33.9	50.9





#81
1,2,4-Trichlorobenzene
Concen: 12.213 ppbv
RT: 21.97 min Scan# 5967
Delta R.T. -0.03 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:180 Resp: 1406149

Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.5	116.3
184	31.1	24.8	37.2