Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101920\
Data File : VL035790.D
Acq On : 19 Oct 2020 10:24
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 20 08:14:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1085404	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	4103389	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	4239312m	10.00	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	3049332	9.60	ppbv	-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1790888	10.056	ppbv	99
3) Chlorodifluoromethane	2.97	51	1114059	9.541	ppbv	99
4) Chloromethane	3.12	50	594228	9.473	ppbv	99
5) Vinyl Chloride	3.23	62	688437	9.279	ppbv	98
6) Bromomethane	3.45	94	583620	9.305	ppbv	99
7) Chloroethane	3.53	64	256675	9.433	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	1993514	9.229	ppbv	99
9) Propene	2.99	41	425333	10.032	ppbv	98
10) Heptane	8.11	43	1254307	10.612	ppbv	99
11) Trichlorofluoromethane	3.93	101	2355468	9.270	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1742281	9.198	ppbv	99
13) Ethanol	3.58	45	91087	8.712	ppbv	97
14) Bromoethene	3.72	108	768746	9.634	ppbv	100
15) Acetone	3.83	43	980056	8.391	ppbv	100
16) 1,3-Butadiene	3.30	39	444733	10.409	ppbv	96
17) tert-Butyl alcohol	4.27	59	1304626	10.255	ppbv	99
18) 1,1-Dichloroethene	4.27	96	800546	9.652	ppbv	95
19) Isopropyl Alcohol	3.94	45	614389	9.671	ppbv	99
20) Methylene Chloride	4.32	84	645762	7.527	ppbv	97
21) Allyl Chloride	4.39	41	576792	10.189	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	832716	9.503	ppbv	97
23) Vinyl Acetate	5.05	43	1469730	10.274	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1454660	9.336	ppbv	99
25) Ethyl Acetate	5.66	43	2037985	9.698	ppbv	99
26) Hexane	5.67	57	1116365	9.694	ppbv	98
27) Carbon Disulfide	4.53	76	1809347	10.541	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1904847	10.435	ppbv	100
29) Chloroform	5.74	83	2219232	9.489	ppbv	98
30) Cyclohexane	7.11	84	1191558	10.487	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1169361	10.519	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	2170347	10.528	ppbv	100
34) 2-Butanone	5.22	43	1383118	10.191	ppbv	99
35) Carbon Tetrachloride	7.00	117	2242359	10.481	ppbv	98
36) Benzene	6.87	78	2763611	10.336	ppbv	100
37) 1,2-Dichloroethane	6.29	62	1394109	10.004	ppbv	99
38) Trichloroethene	7.82	130	1365921	10.241	ppbv	98
39) 1,2-Dichloropropane	7.60	63	960542	9.911	ppbv	98
40) 1,4-Dioxane	7.81	88	445695	10.056	ppbv #	1
41) Tetrahydrofuran	6.03	42	776861	11.362	ppbv	98
42) Bromodichloromethane	7.78	83	2322911	10.348	ppbv	97
43) Methyl Methacrylate	8.00	69	1173657	11.037	ppbv	98

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101920\
Data File : VL035790.D
Acq On : 19 Oct 2020 10:24
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 20 08:14:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration

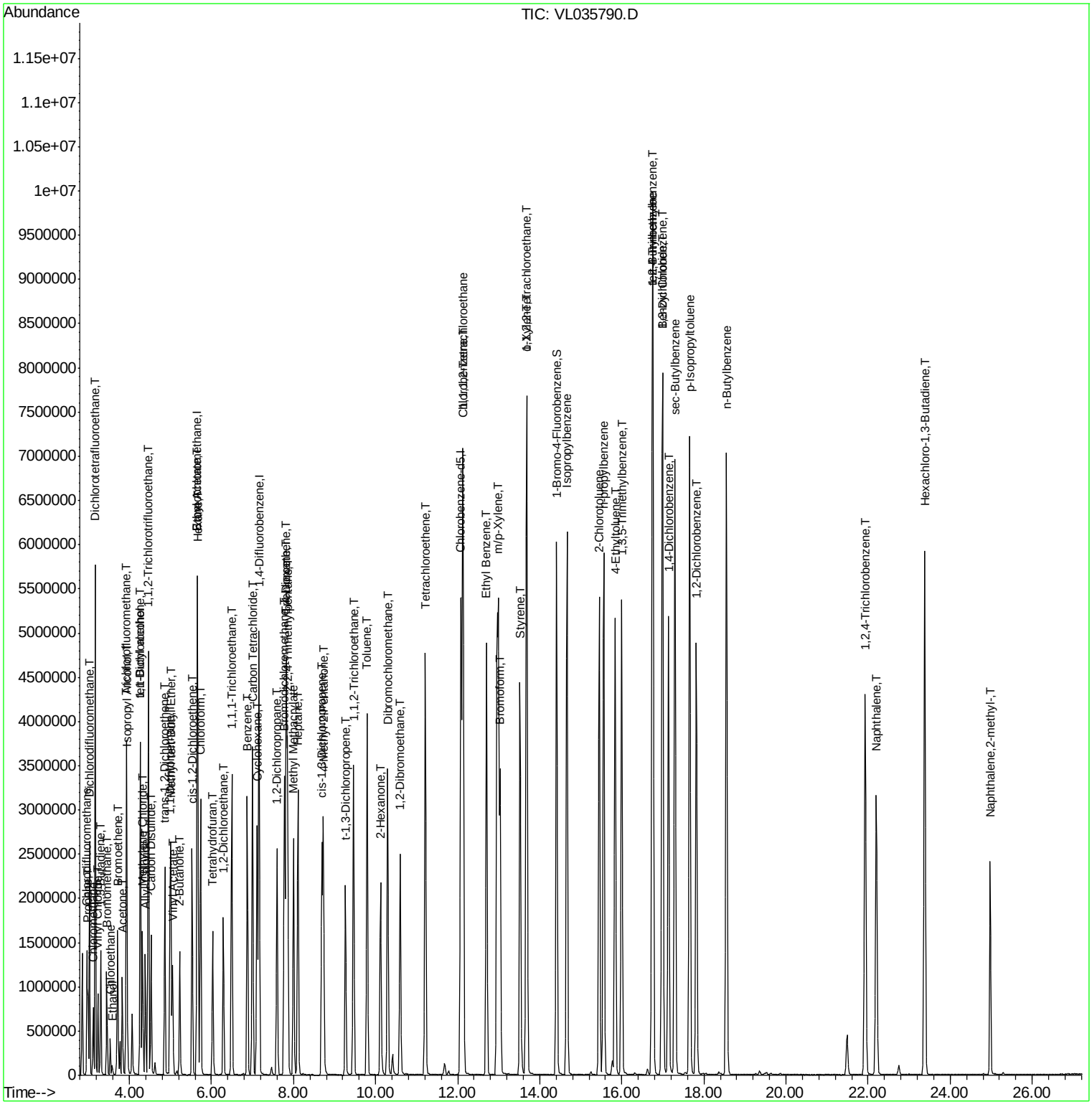
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3838159	10.004	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1317251	12.269	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1570220	11.865	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1331648	9.593	ppbv	98
48) Dibromochloromethane	10.29	129	2265030	10.721	ppbv	100
49) Bromoform	13.03	173	2012125	11.225	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2088761	10.537	ppbv	99
51) 2-Hexanone	10.12	43	1755523	10.991	ppbv	99
52) Tetrachloroethene	11.21	164	1283837	9.985	ppbv	98
53) Toluene	9.79	91	3475706	11.024	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2124491	10.221	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1756519	9.882	ppbv	97
57) Chlorobenzene	12.14	112	2918051	9.113	ppbv	99
58) Ethyl Benzene	12.70	91	4575877	10.754	ppbv	98
59) m/p-Xylene	12.99	91	7896600m	21.251	ppbv	
60) o-Xylene	13.69	91	3836125	10.206	ppbv	99
61) Styrene	13.52	104	2976271	11.451	ppbv	100
62) Isopropylbenzene	14.66	105	5783777	9.920	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2773977	9.000	ppbv	100
64) n-propylbenzene	15.56	120	1738858	10.190	ppbv	94
65) tert-Butylbenzene	16.74	119	5316907	10.030	ppbv	100
66) Benzyl Chloride	16.99	91	1948908	12.135	ppbv	99
67) sec-Butylbenzene	17.29	105	7187222	9.819	ppbv	98
69) p-Isopropyltoluene	17.65	119	6048139	10.156	ppbv	99
70) n-Butylbenzene	18.55	91	6072160	9.901	ppbv	98
71) 2-Chlorotoluene	15.45	91	4426067	10.408	ppbv	99
72) 4-Ethyltoluene	15.84	105	4709307	10.576	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4376444	10.401	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	4571723	9.638	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	2965799	9.158	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3006649	9.713	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2898877	9.477	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1569018	9.298	ppbv	100
79) Naphthalene	22.20	128	4410815	9.749	ppbv	100
80) Naphthalene,2-methyl-	24.98	142	1400039	13.120	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	2228582	9.505	ppbv	100

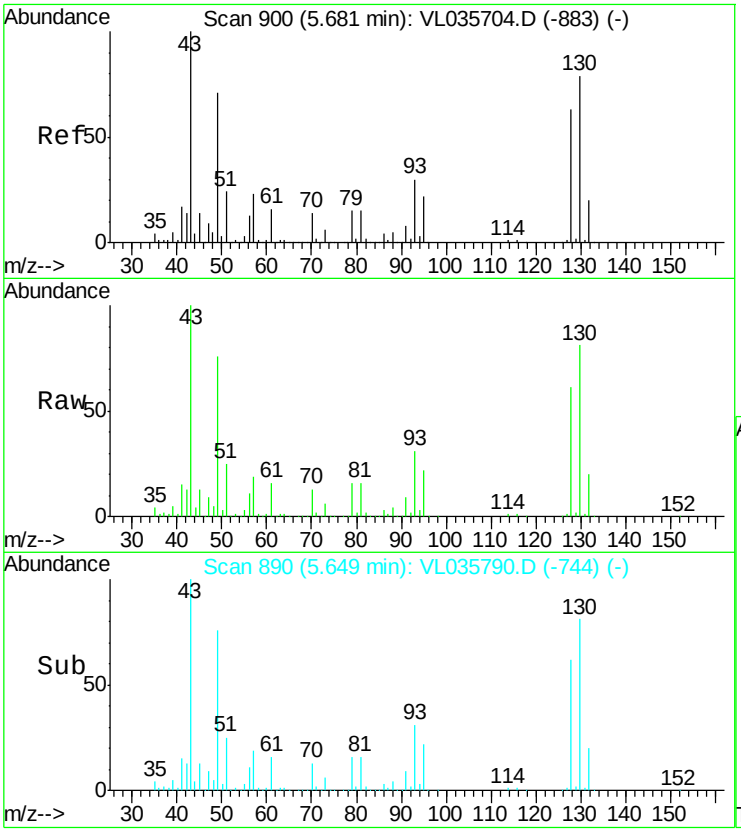
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101920\
Data File : VL035790.D
Acq On : 19 Oct 2020 10:24
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Oct 20 08:14:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration



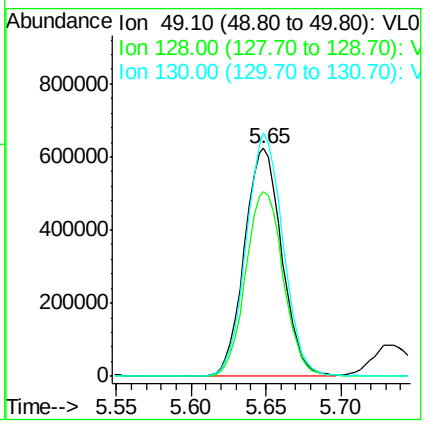


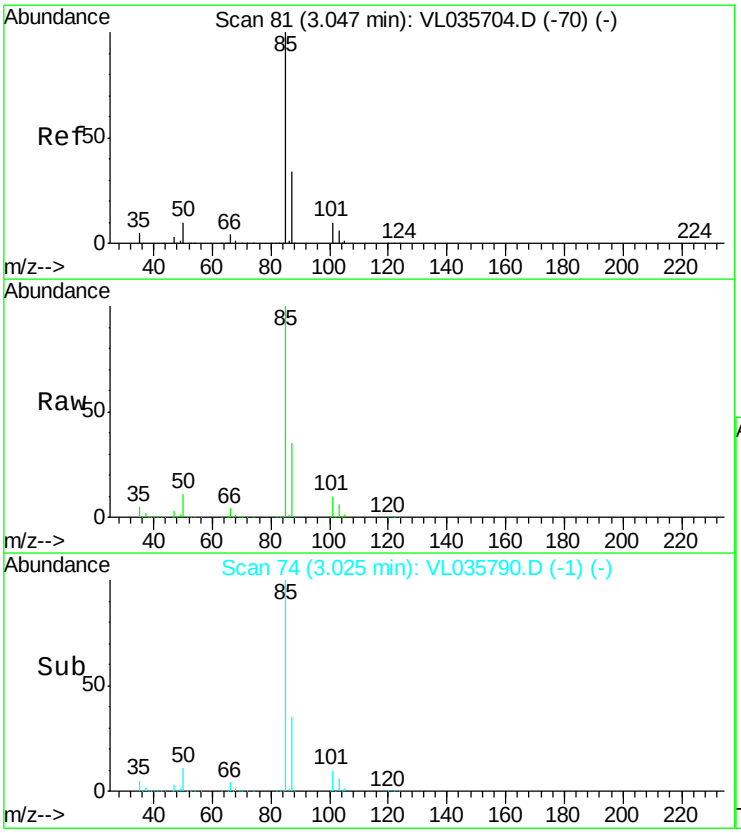
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1085404

Ion	Ratio	Lower	Upper
49	100		
128	81.7	43.1	129.4
130	105.3	54.9	164.7

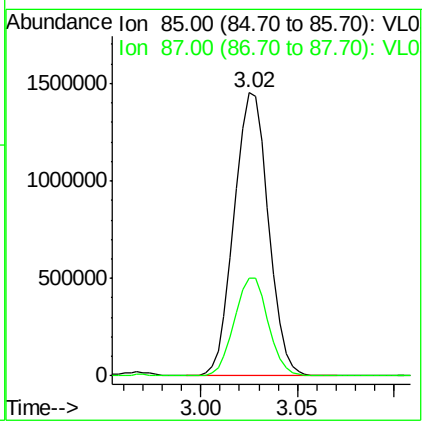


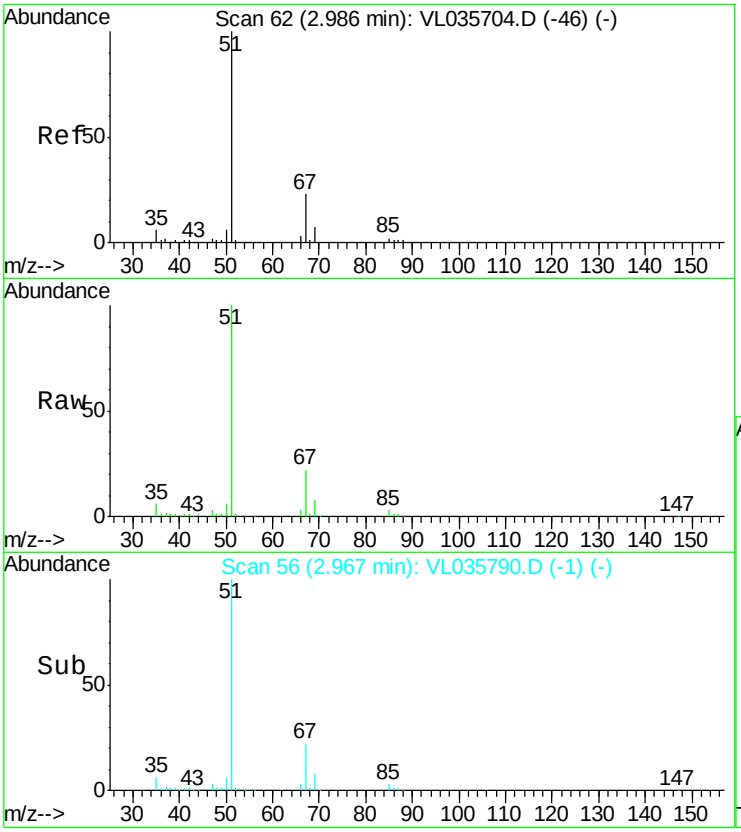


#2
Dichlorodifluoromethane
Concen: 10.056 ppbv
RT: 3.02 min Scan# 74
Delta R.T. -0.02 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 85 Resp: 1790888

Ion	Ratio	Lower	Upper
85	100		
87	34.6	27.3	40.9



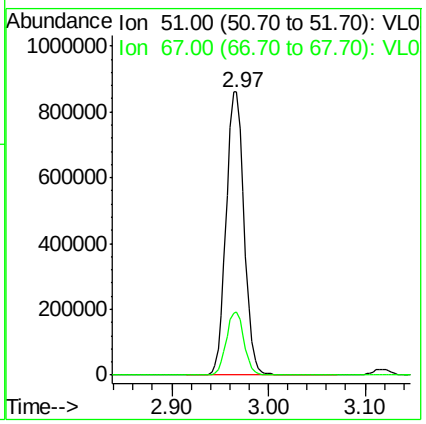


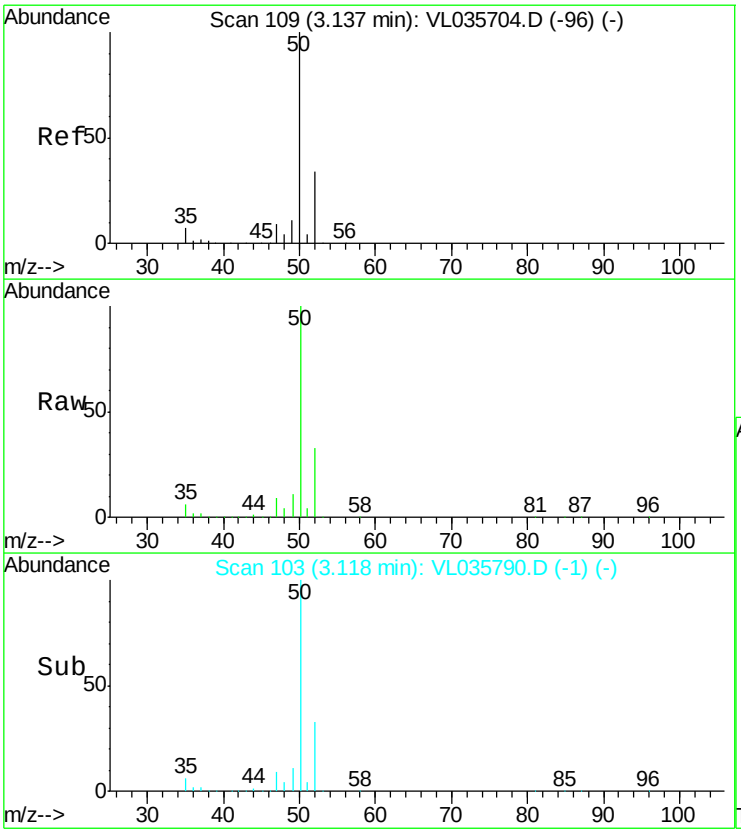
#3
Chlorodifluoromethane
Concen: 9.541 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.02 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1114059

Ion	Ratio	Lower	Upper
51	100		
67	21.8	17.8	26.8

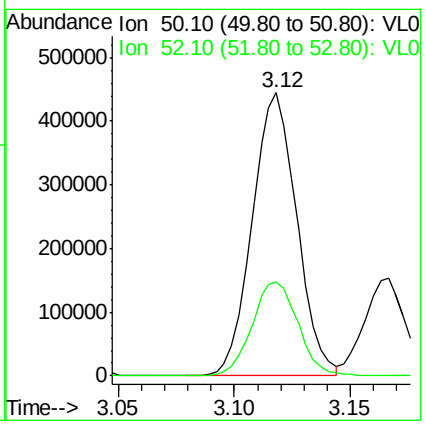


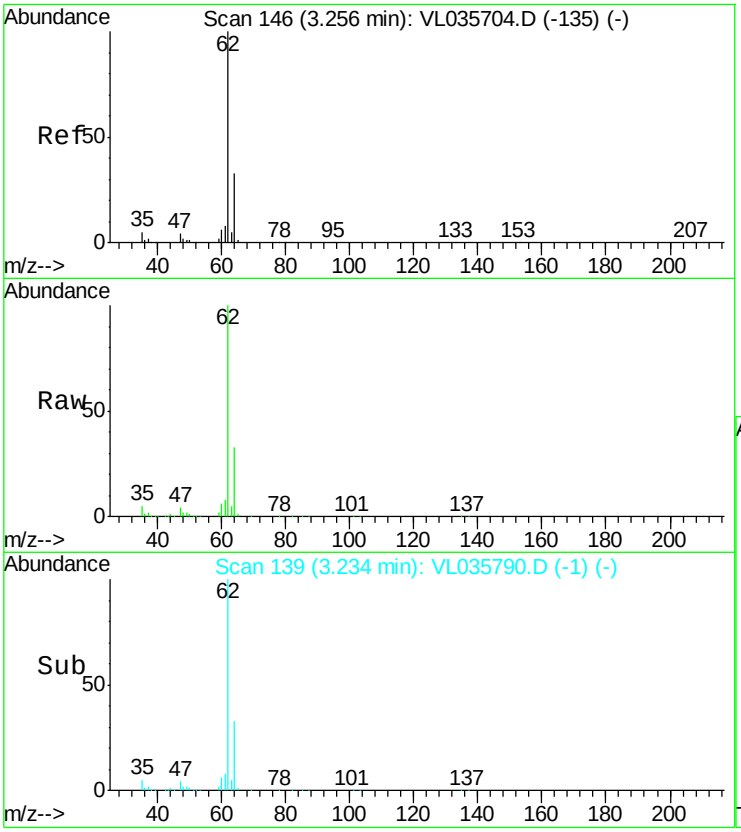


#4
Chloromethane
Concen: 9.473 ppbv
RT: 3.12 min Scan# 103
Delta R.T. -0.02 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 50 Resp: 594228

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.8	40.2



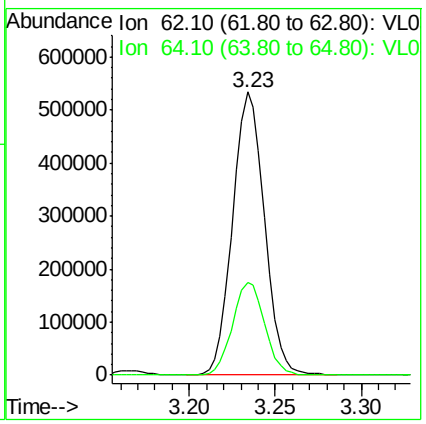


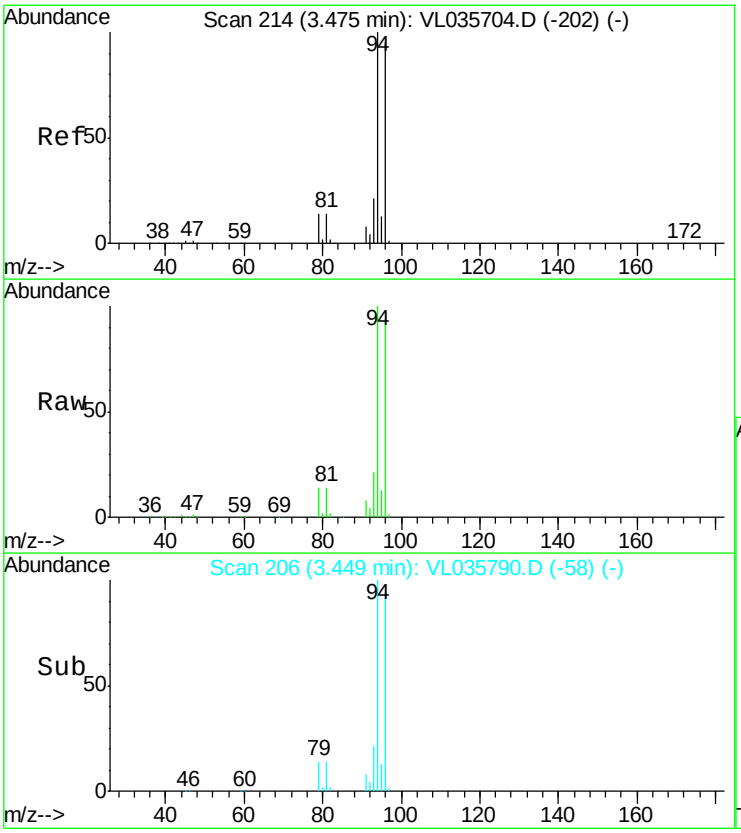
#5
Vinyl Chloride
Concen: 9.279 ppbv
RT: 3.23 min Scan# 139
Delta R.T. -0.02 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 688437

Ion	Ratio	Lower	Upper
62	100		
64	32.6	26.8	40.2

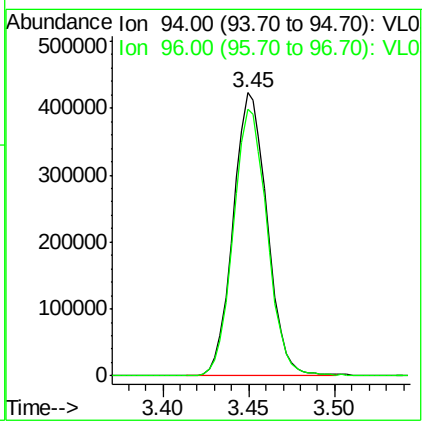


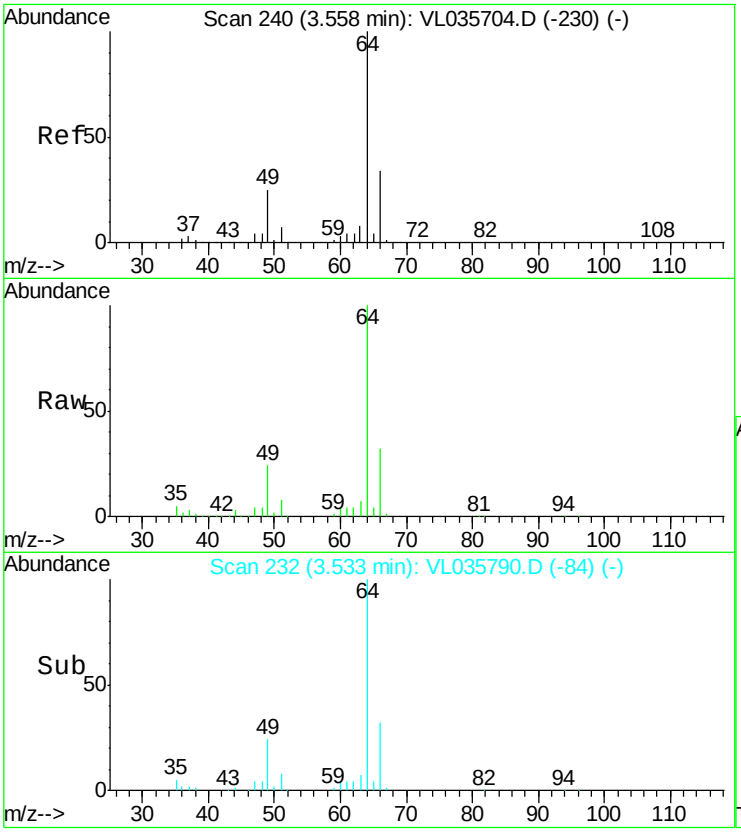


#6
Bromomethane
Concen: 9.305 ppbv
RT: 3.45 min Scan# 206
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 94 Resp: 583620

Ion	Ratio	Lower	Upper
94	100		
96	94.1	76.3	114.5



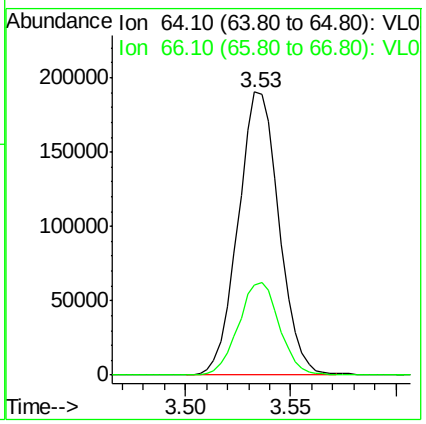


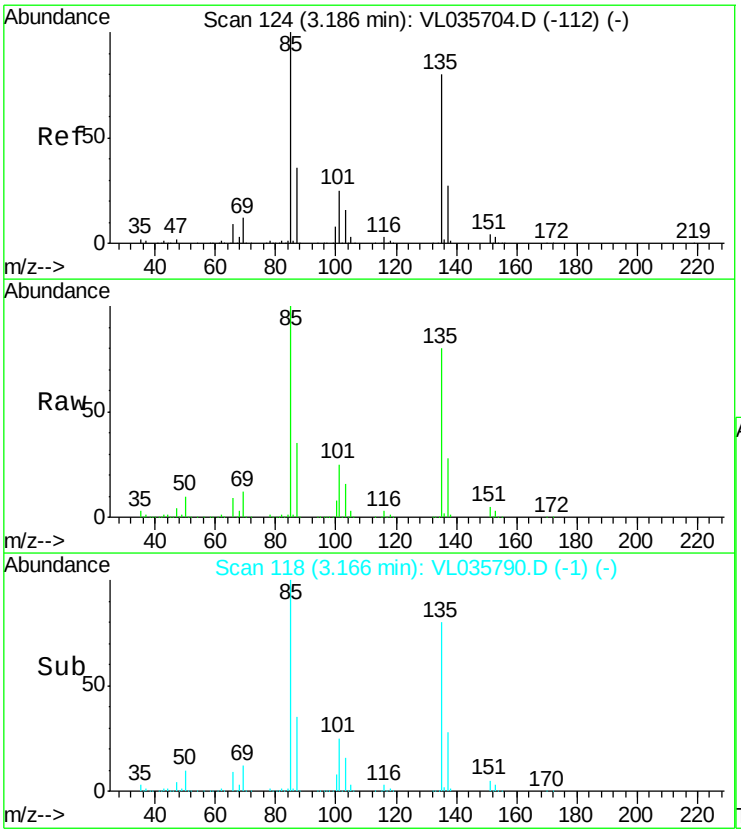
#7
Chloroethane
Concen: 9.433 ppbv
RT: 3.53 min Scan# 232
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 64 Resp: 256675

Ion	Ratio	Lower	Upper
64	100		
66	32.0	26.9	40.3

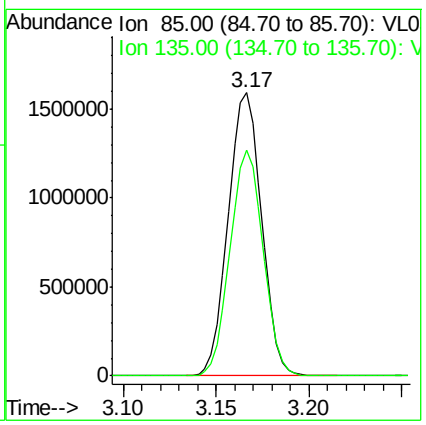


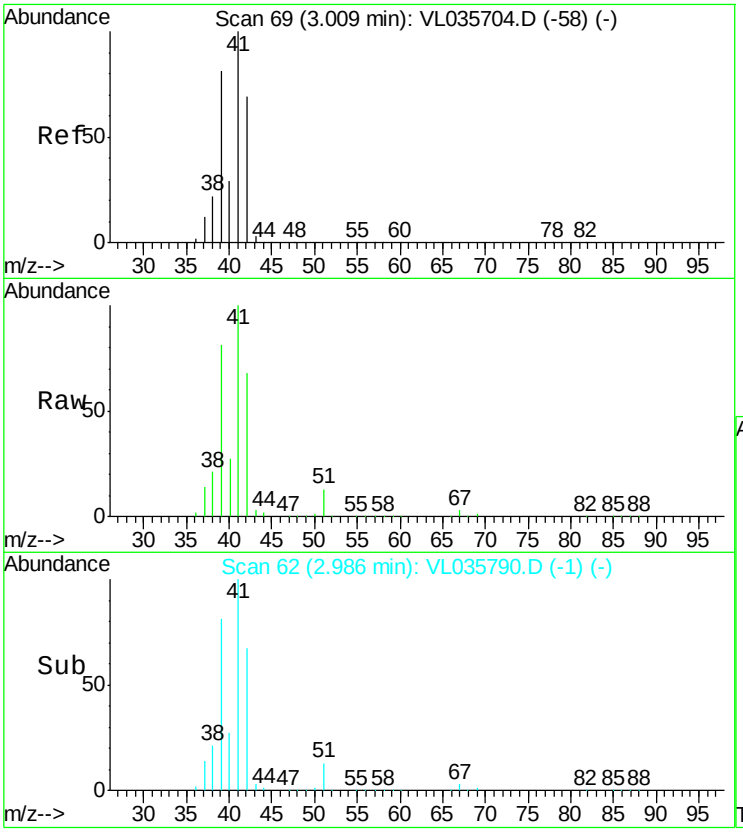


#8
Dichlorotetrafluoroethane
Concen: 9.229 ppbv
RT: 3.17 min Scan# 118
Delta R.T. -0.02 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 85 Resp: 1993514

Ion	Ratio	Lower	Upper
85	100		
135	79.3	64.3	96.5



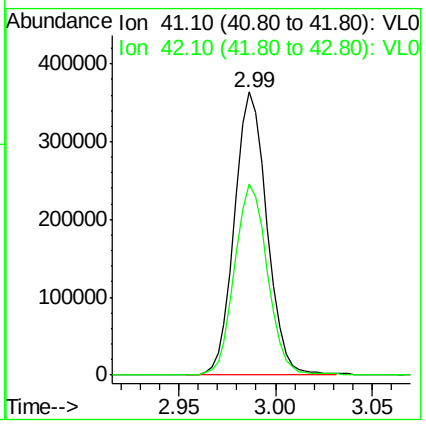


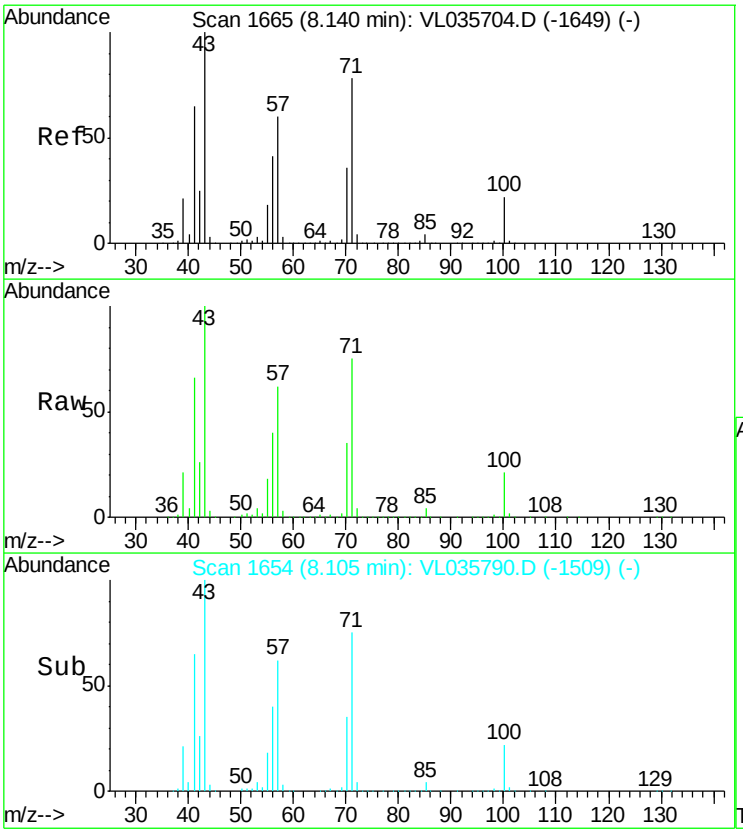
#9
Propene
Concen: 10.032 ppbv
RT: 2.99 min Scan# 62
Delta R.T. -0.02 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 425333

Ion	Ratio	Lower	Upper
41	100		
42	68.8	56.2	84.4

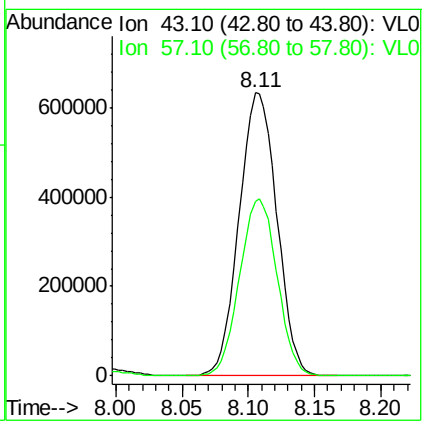


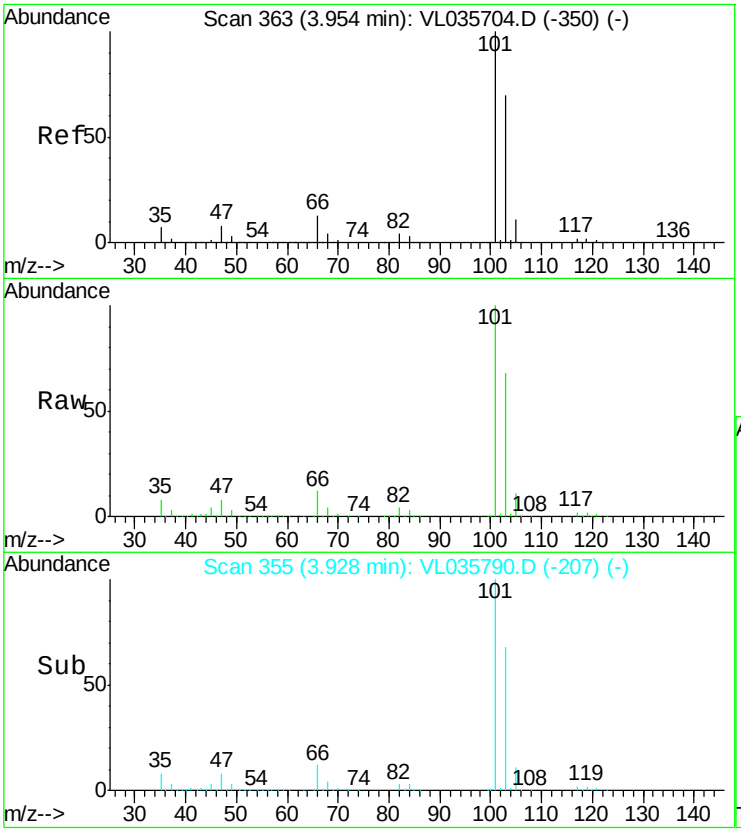


#10
Heptane
Concen: 10.612 ppbv
RT: 8.11 min Scan# 1654
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 43 Resp: 1254307

Ion	Ratio	Lower	Upper
43	100		
57	62.2	50.4	75.6



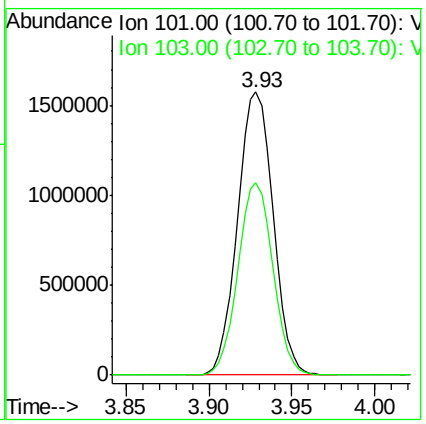


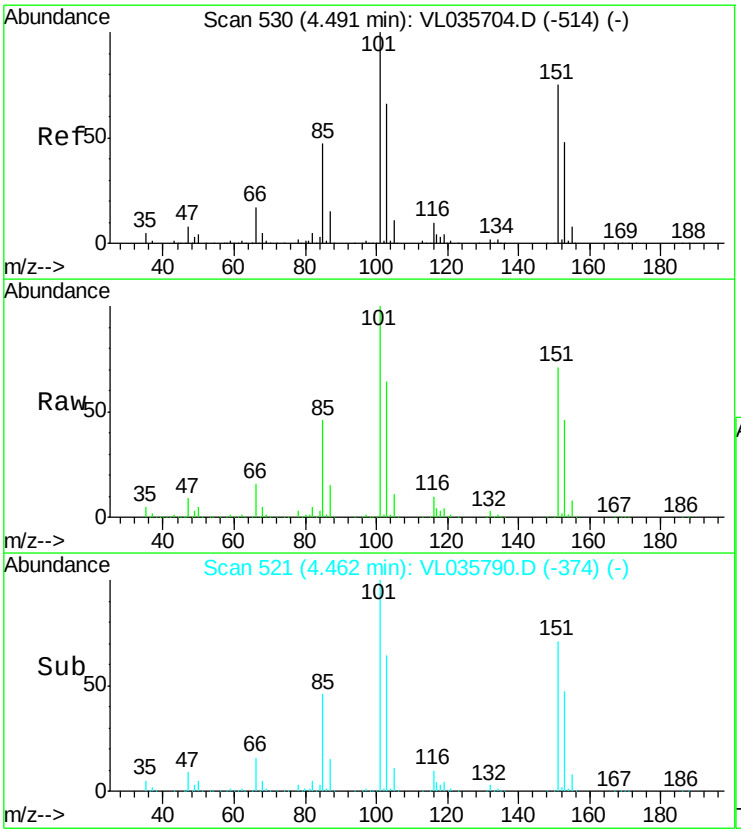
#11
Trichlorofluoromethane
Concen: 9.270 ppbv
RT: 3.93 min Scan# 355
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 2355468

Ion	Ratio	Lower	Upper
101	100		
103	68.1	55.6	83.4

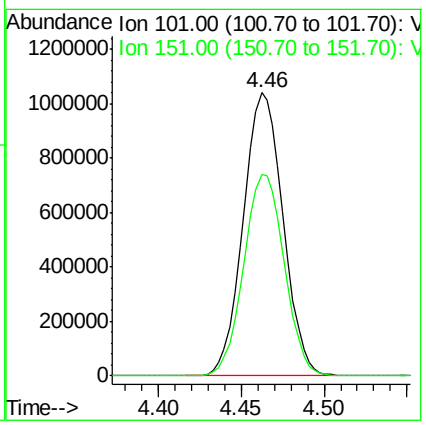


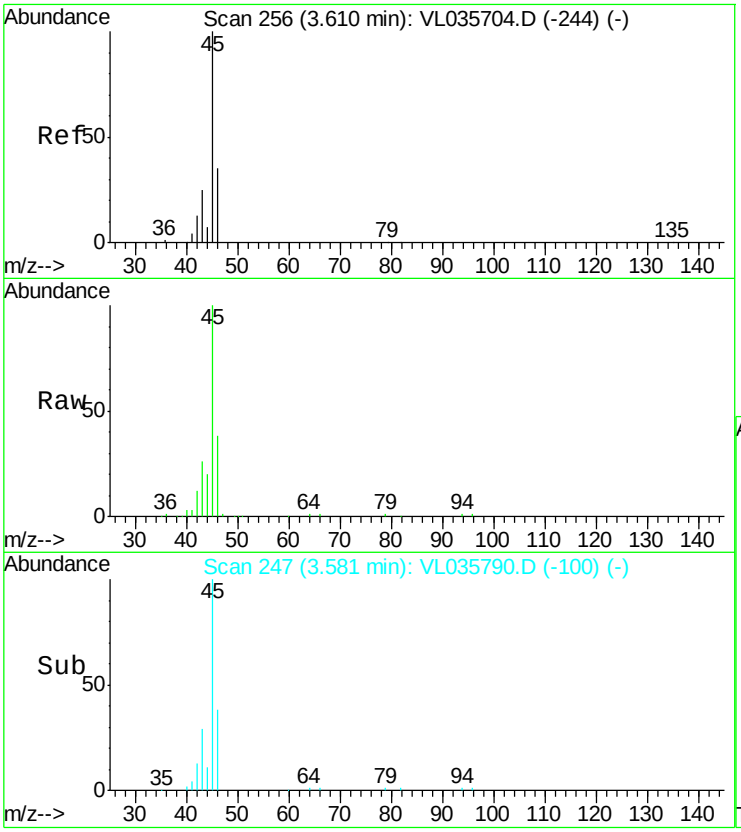


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.198 ppbv
RT: 4.46 min Scan# 521
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion:101 Resp: 1742281

Ion	Ratio	Lower	Upper
101	100		
151	72.6	59.1	88.7



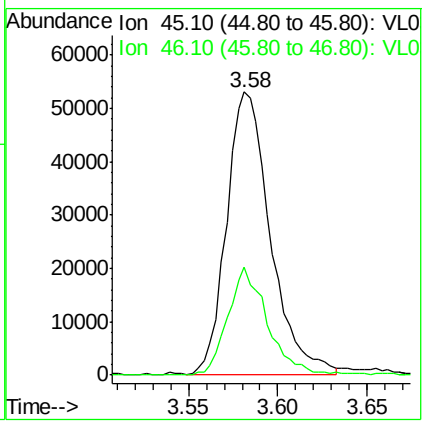


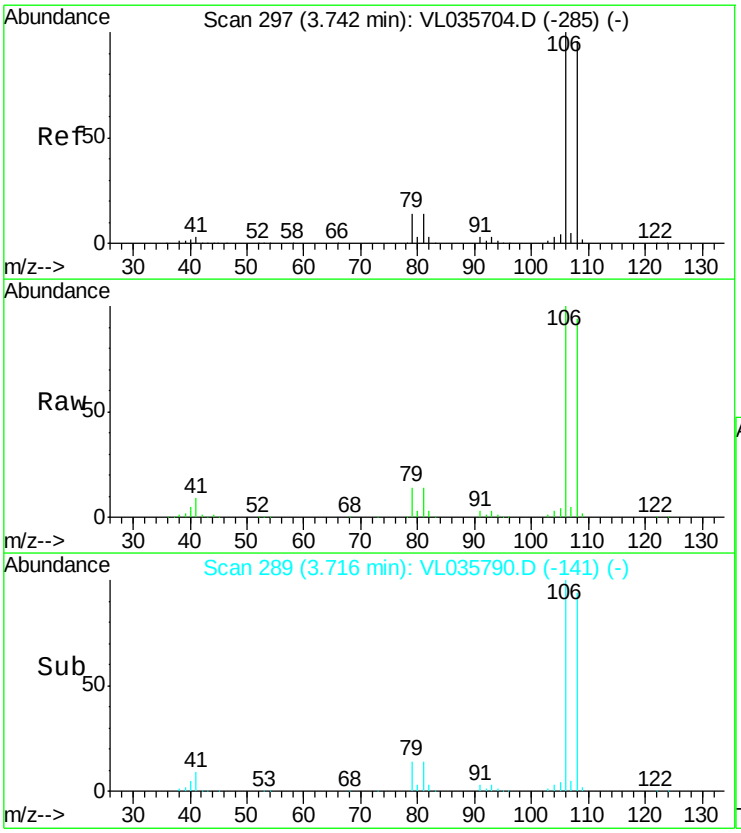
#13
Ethanol
Concen: 8.712 ppbv
RT: 3.58 min Scan# 247
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 91087

Ion	Ratio	Lower	Upper
45	100		
46	35.1	14.7	58.7

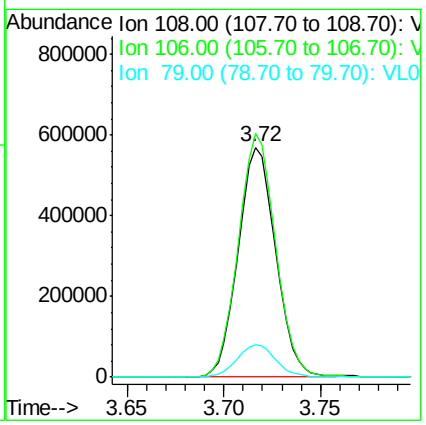


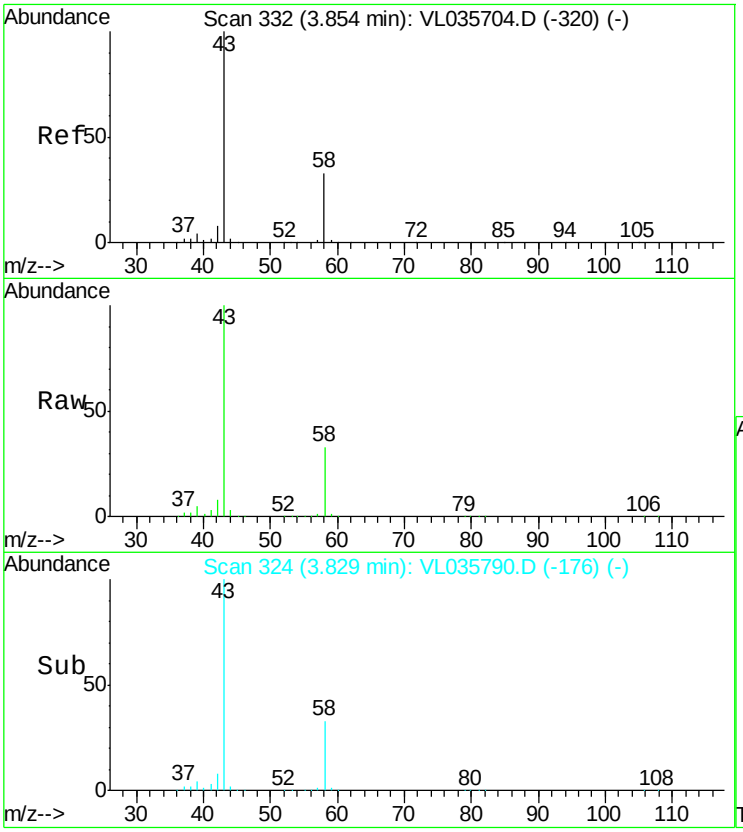


#14
Bromoethene
Concen: 9.634 ppbv
RT: 3.72 min Scan# 289
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion:108 Resp: 768746

Ion	Ratio	Lower	Upper
108	100		
106	105.7	84.6	126.8
79	14.9	11.6	17.4



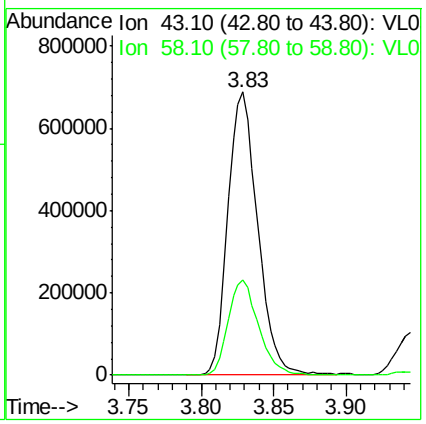


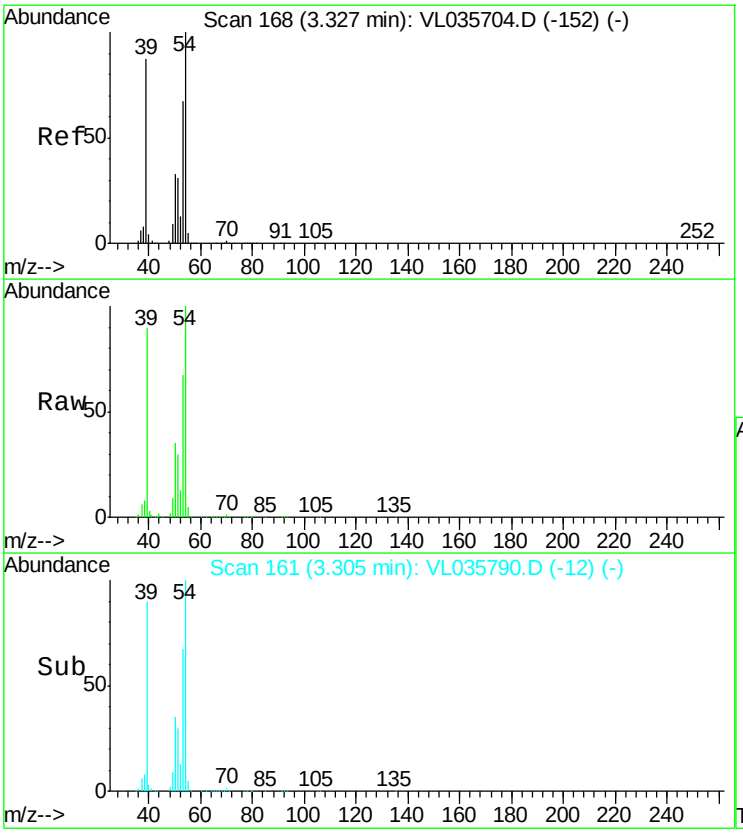
#15
Acetone
Concen: 8.391 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 980056

Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.3	40.9

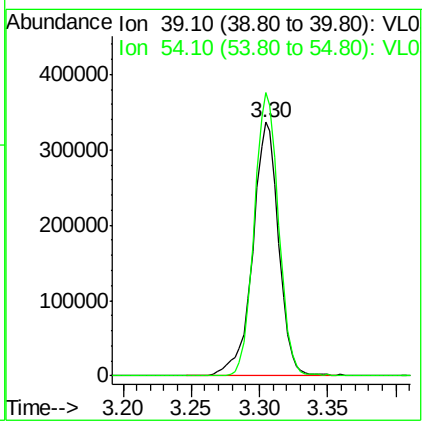


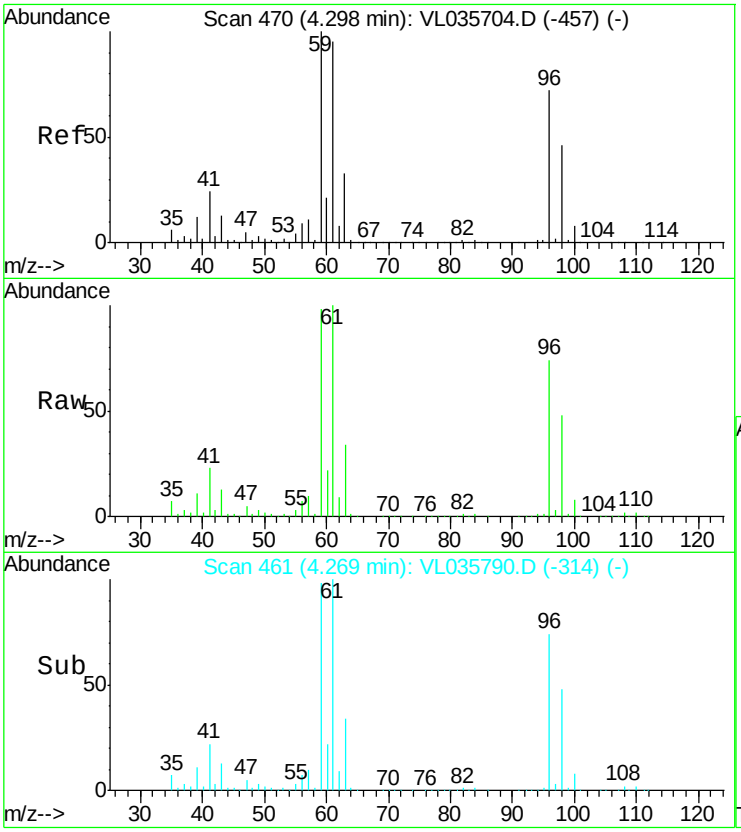


#16
1,3-Butadiene
Concen: 10.409 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.02 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 39 Resp: 444733

Ion	Ratio	Lower	Upper
39	100		
54	105.4	87.4	131.0



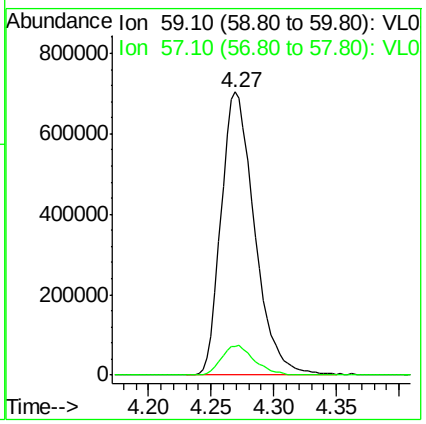


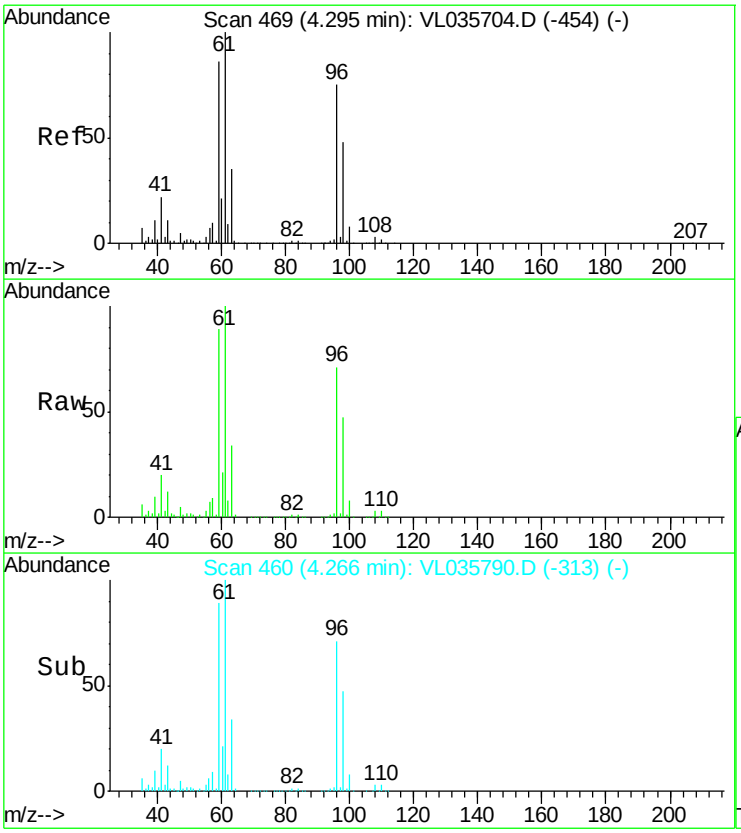
#17
tert-Butyl alcohol
Concen: 10.255 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1304626

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

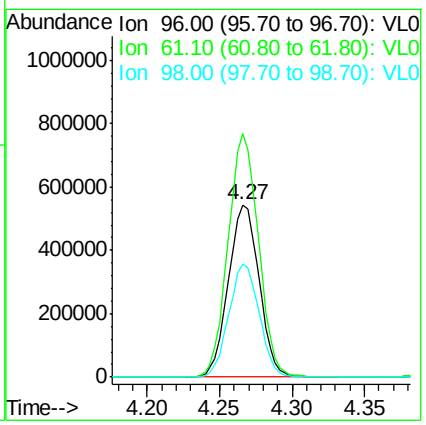


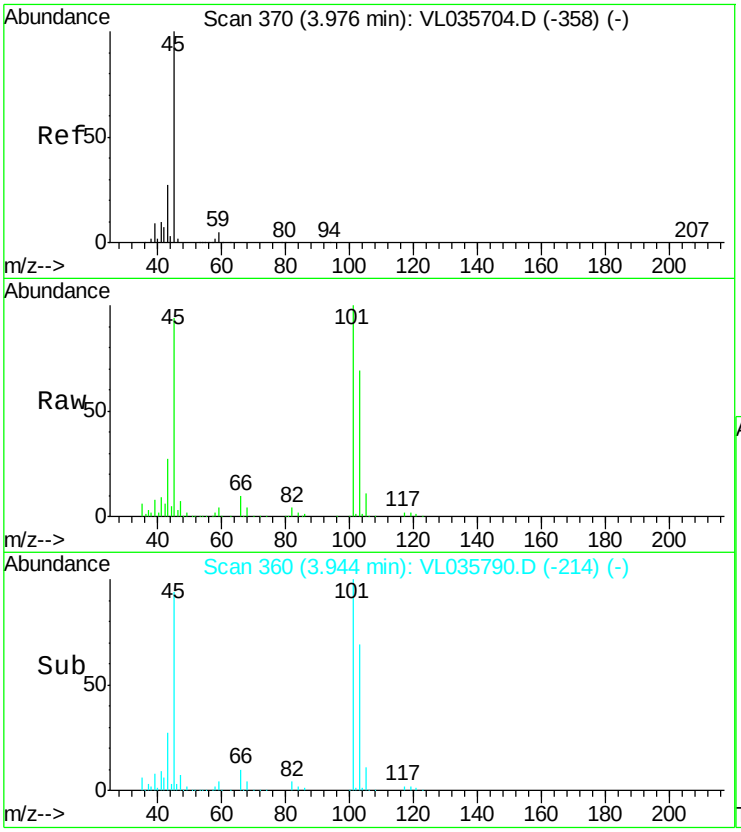


#18
1,1-Dichloroethene
Concen: 9.652 ppbv
RT: 4.27 min Scan# 460
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 96 Resp: 800546

Ion	Ratio	Lower	Upper
96	100		
61	141.1	106.7	160.1
98	65.7	50.8	76.2



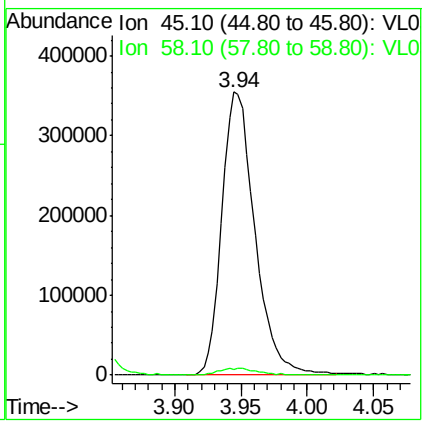


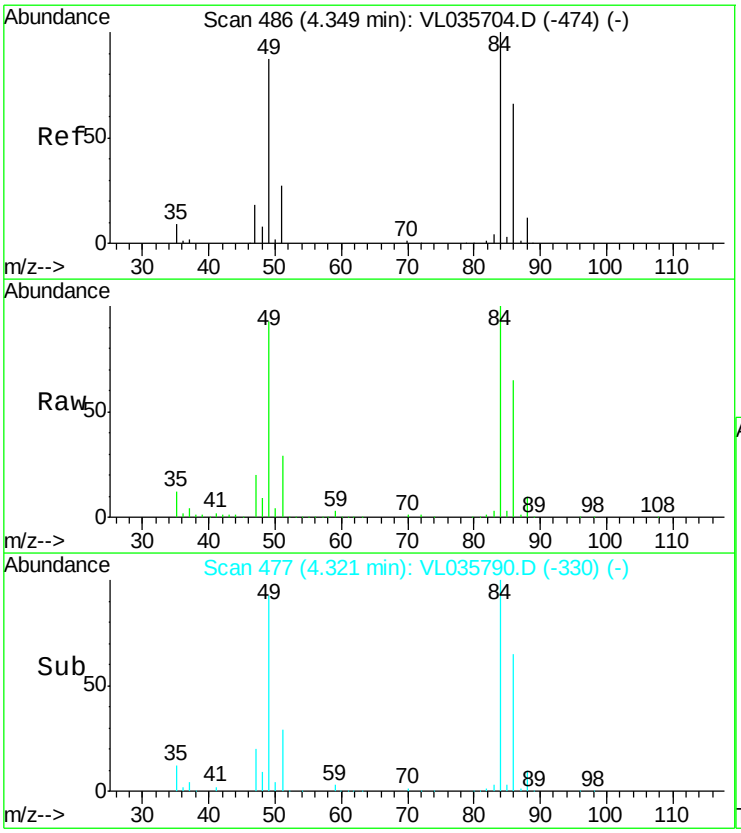
#19
Isopropyl Alcohol
Concen: 9.671 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 614389

Ion	Ratio	Lower	Upper
45	100		
58	3.3	2.8	4.2

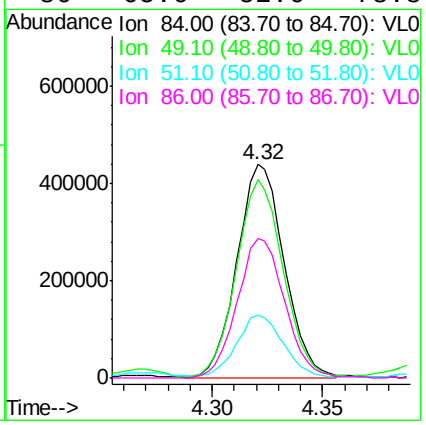


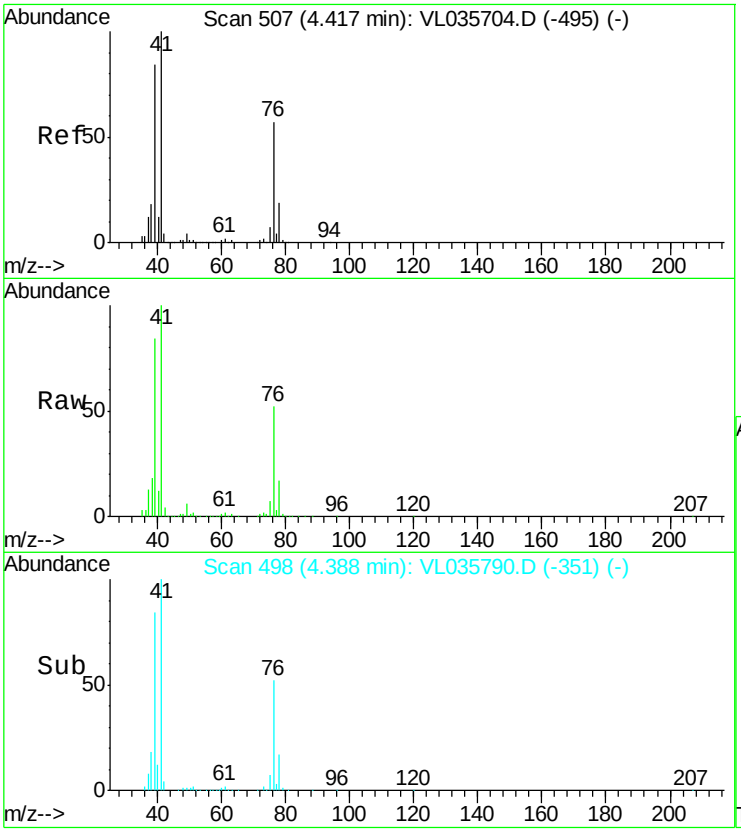


#20
Methylene Chloride
Concen: 7.527 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 84 Resp: 645762

Ion	Ratio	Lower	Upper
84	100		
49	92.3	69.8	104.6
51	28.7	21.8	32.8
86	65.6	52.6	78.8



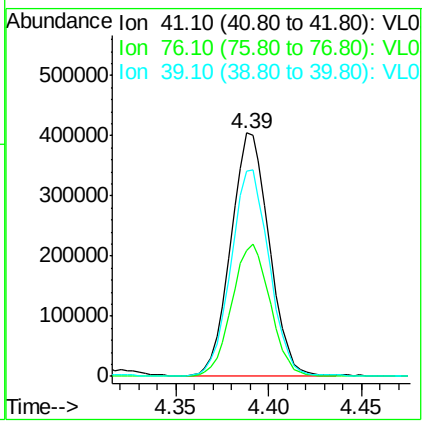


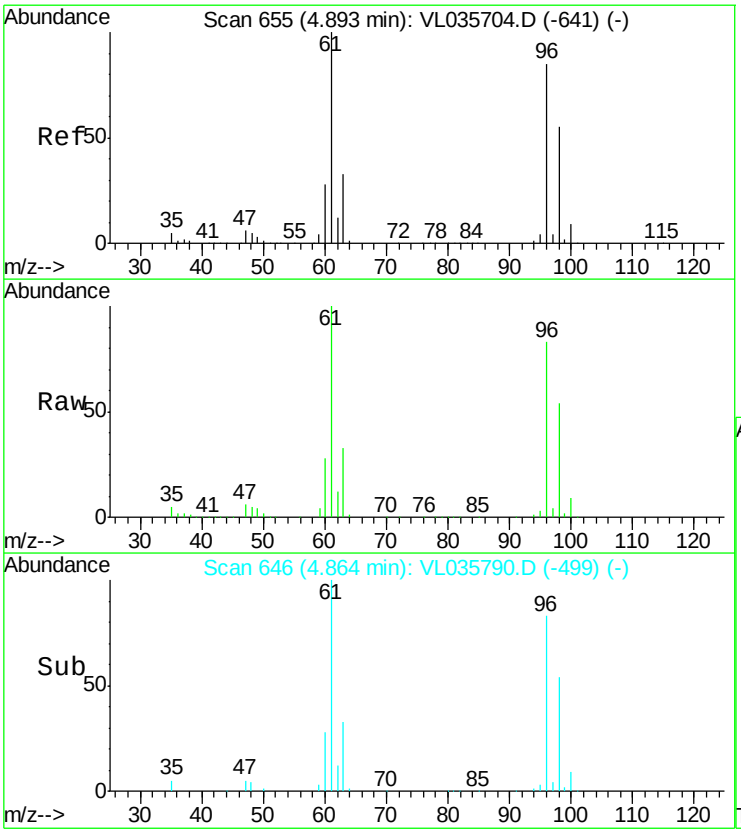
#21
Allyl Chloride
Concen: 10.189 ppbv
RT: 4.39 min Scan# 498
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 576792

Ion	Ratio	Lower	Upper
41	100		
76	54.9	44.8	67.2
39	85.6	68.4	102.6

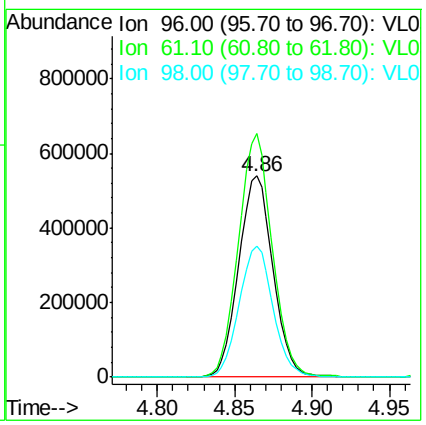


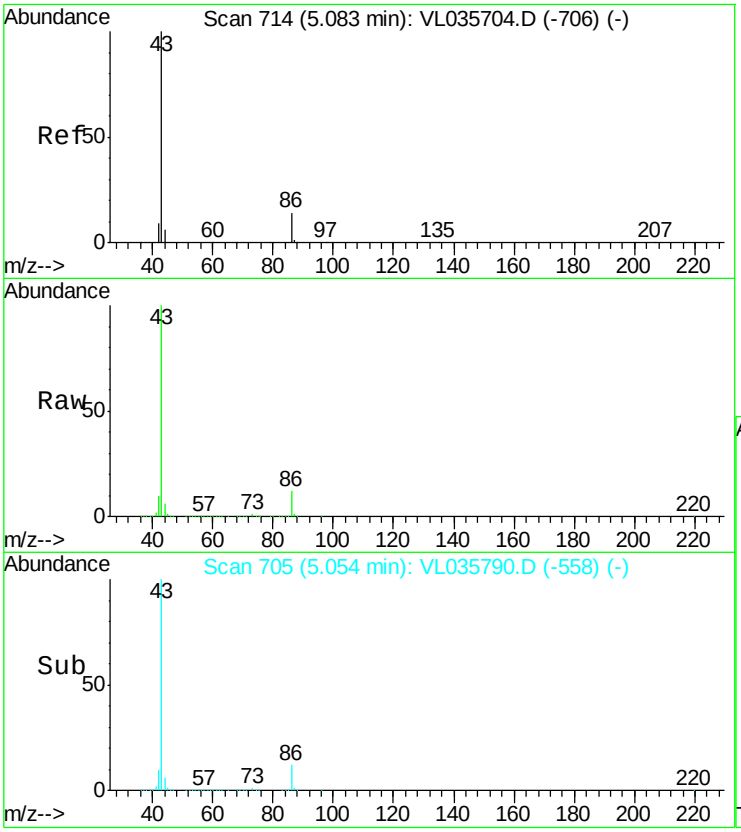


#22
trans-1,2-Dichloroethene
Concen: 9.503 ppbv
RT: 4.86 min Scan# 646
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 96 Resp: 832716

Ion	Ratio	Lower	Upper
96	100		
61	121.2	93.7	140.5
98	65.2	51.2	76.8



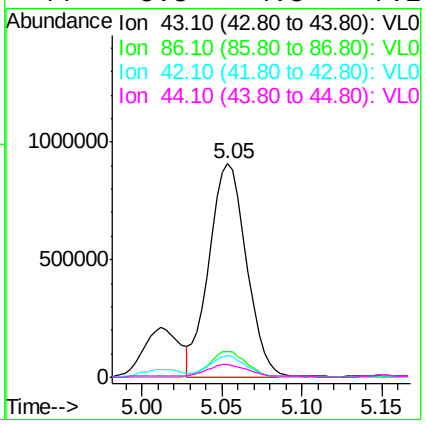


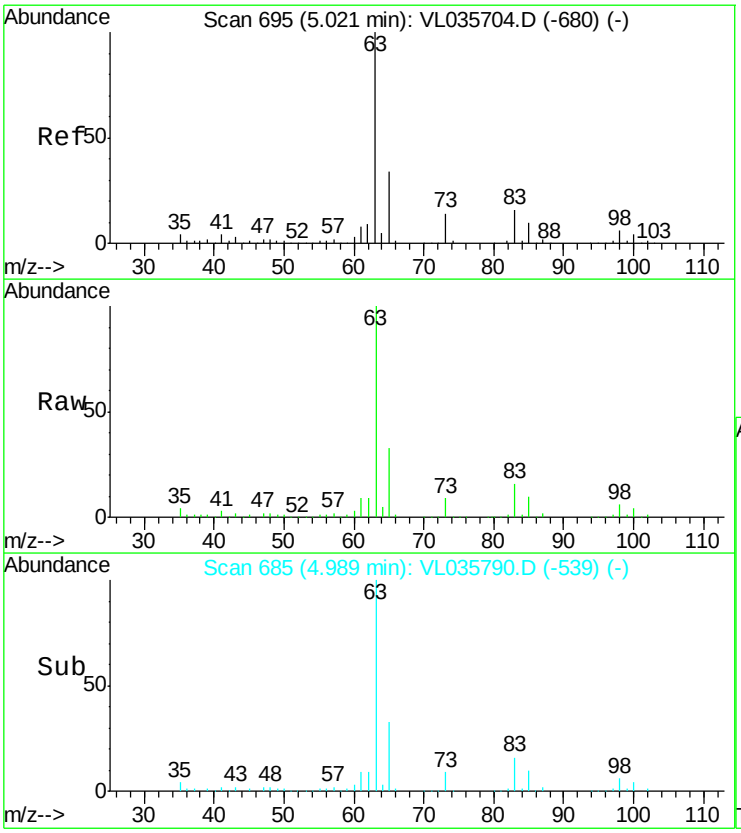
#23
Vinyl Acetate
Concen: 10.274 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1469730

Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.7	14.5
42	10.1	7.9	11.9
44	5.8	4.8	7.2

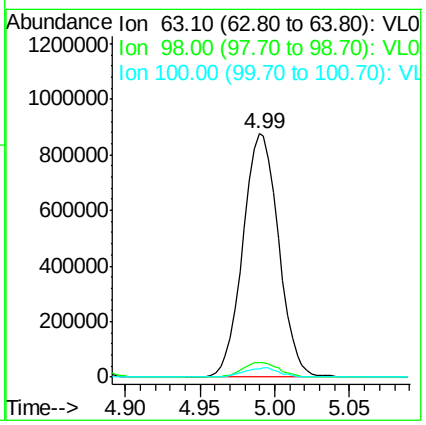


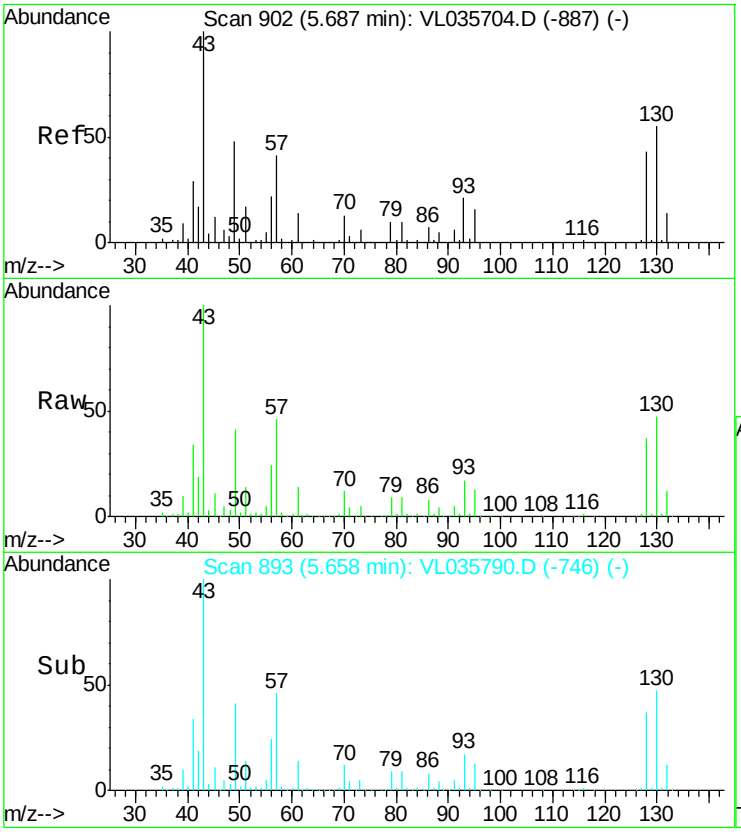


#24
1,1-Dichloroethane
Concen: 9.336 ppbv
RT: 4.99 min Scan# 685
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 63 Resp: 1454660

Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.3	9.8
100	3.6	2.0	5.8



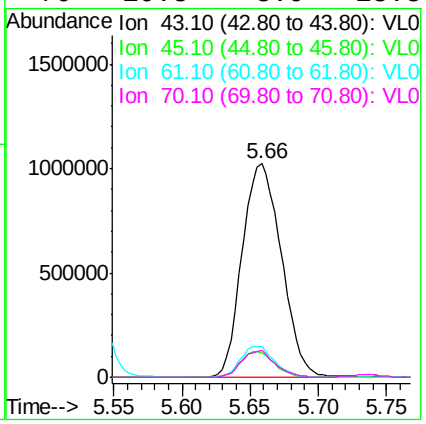


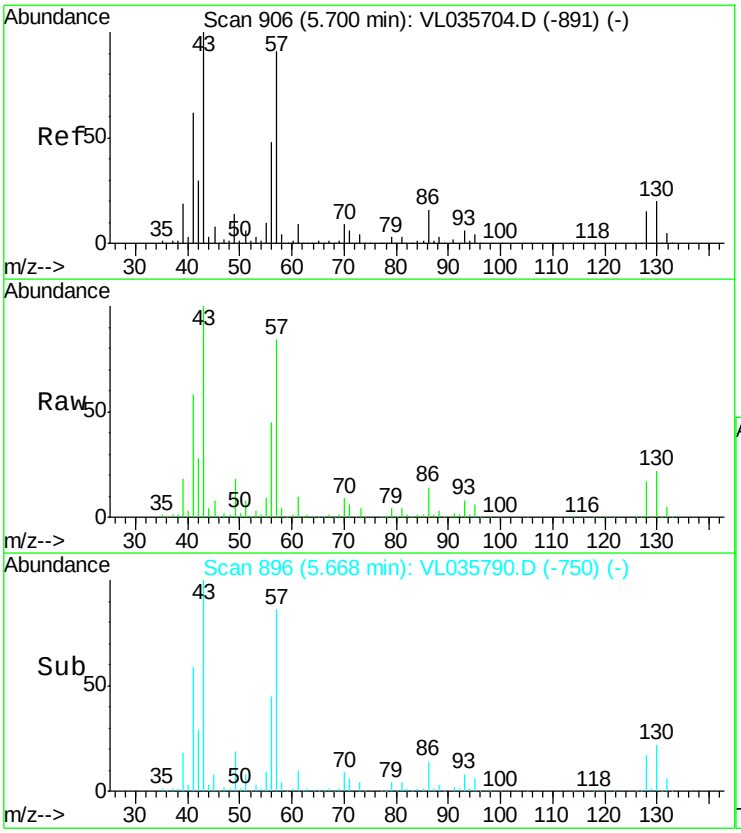
#25
Ethyl Acetate
Concen: 9.698 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2037985

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.6	12.8
61	12.7	10.4	15.6
70	10.8	8.9	13.3

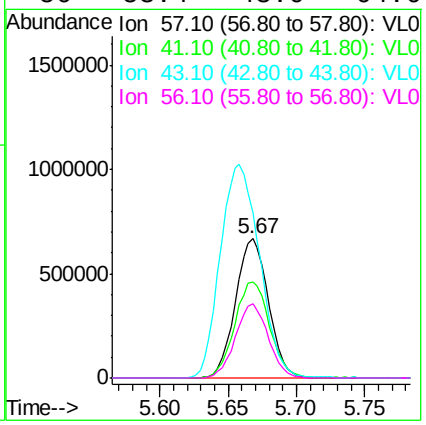


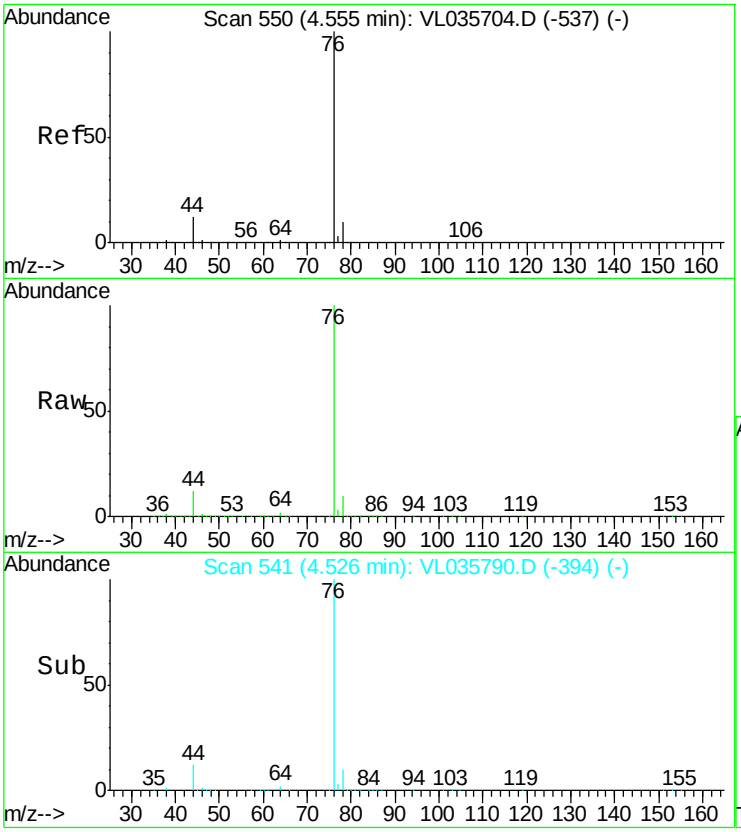


#26
Hexane
Concen: 9.694 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 57 Resp: 1116365

Ion	Ratio	Lower	Upper
57	100		
41	74.6	57.9	86.9
43	183.6	143.8	215.6
56	53.4	43.0	64.6



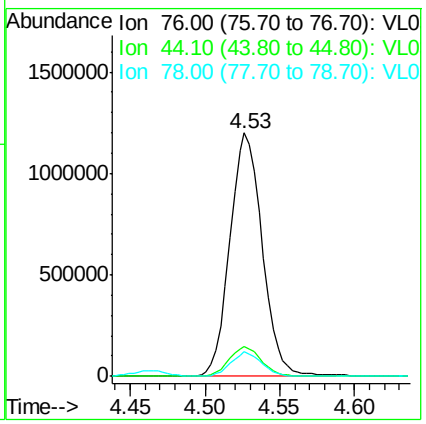


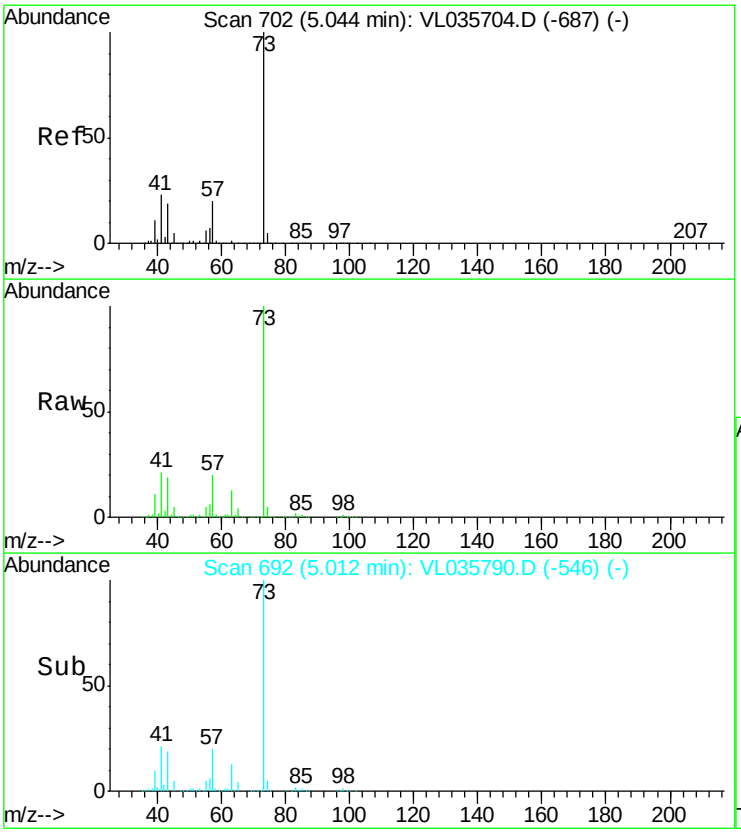
#27
Carbon Disulfide
Concen: 10.541 ppbv
RT: 4.53 min Scan# 541
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1809347

Ion	Ratio	Lower	Upper
76	100		
44	12.1	9.7	14.5
78	9.5	7.8	11.8

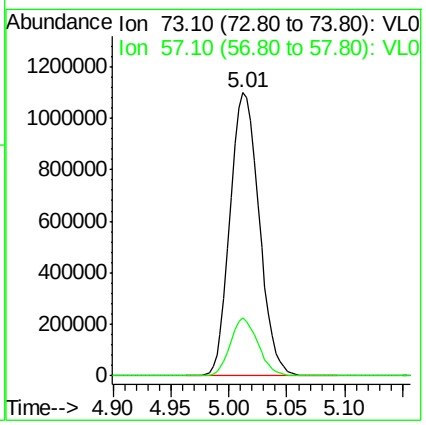


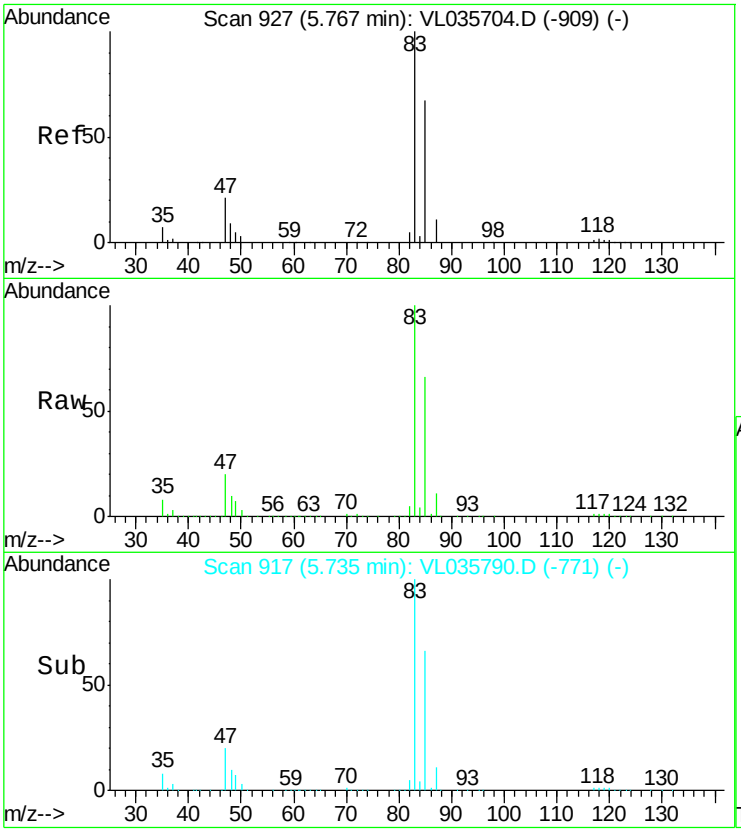


#28
Methyl tert-Butyl Ether
Concen: 10.435 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 73 Resp: 1904847

Ion	Ratio	Lower	Upper
73	100		
57	19.5	15.6	23.4



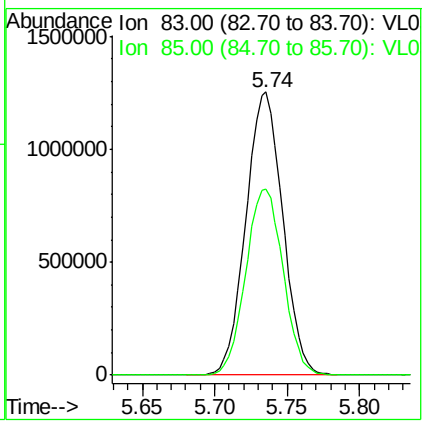


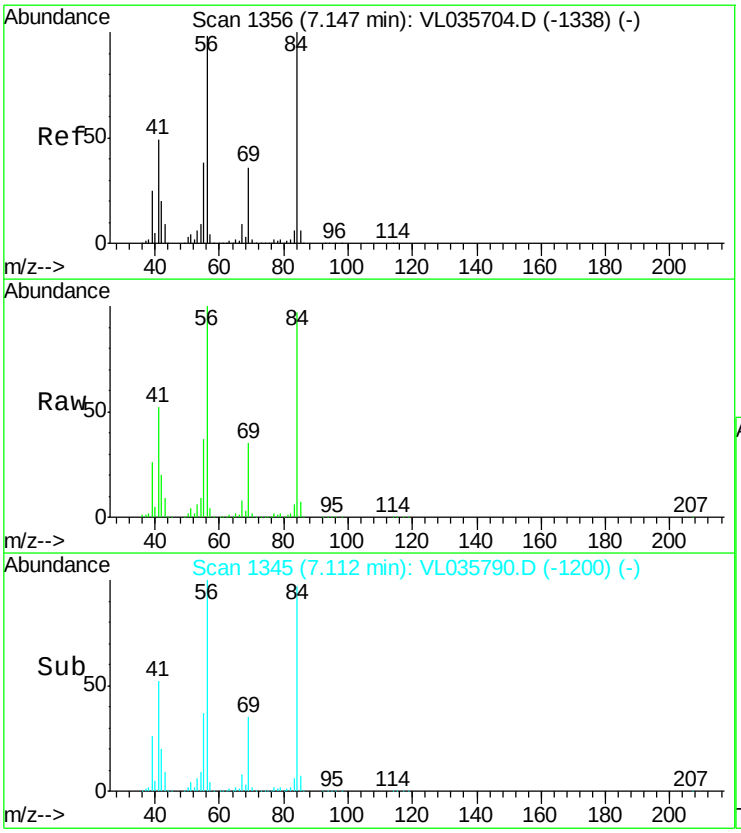
#29
Chloroform
Concen: 9.489 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2219232

Ion	Ratio	Lower	Upper
83	100		
85	65.6	54.0	81.0

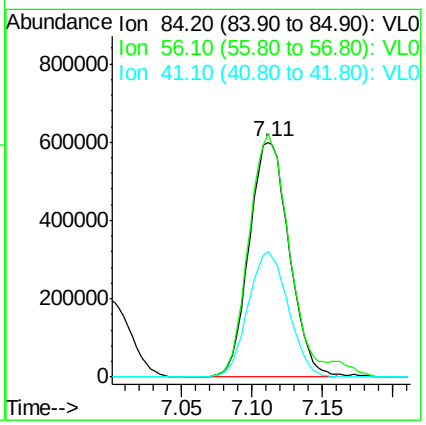


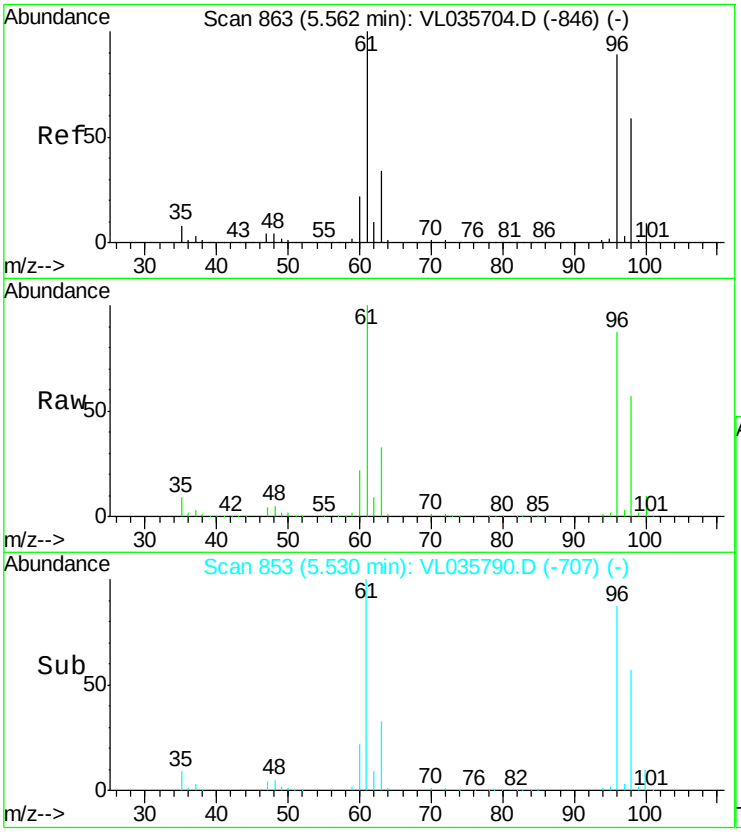


#30
Cyclohexane
Concen: 10.487 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 84 Resp: 1191558

Ion	Ratio	Lower	Upper
84	100		
56	108.1	84.6	127.0
41	53.6	41.1	61.7



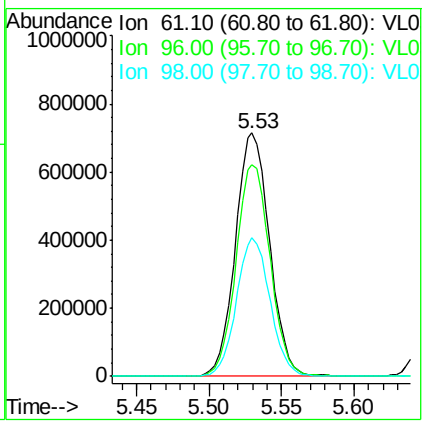


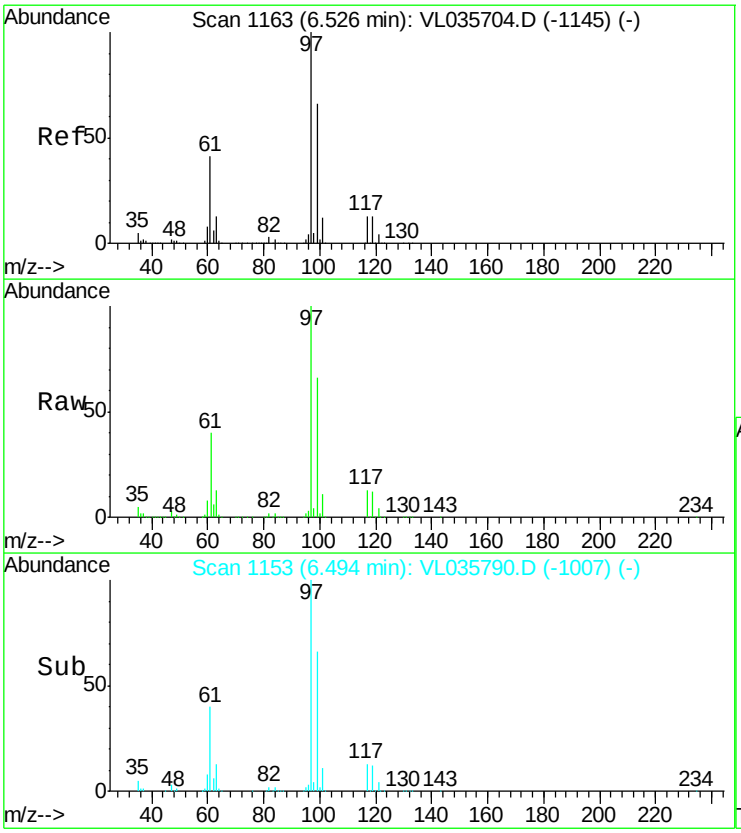
#31
cis-1,2-Dichloroethene
Concen: 10.519 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1169361

Ion	Ratio	Lower	Upper
61	100		
96	87.1	71.4	107.2
98	56.8	47.4	71.2

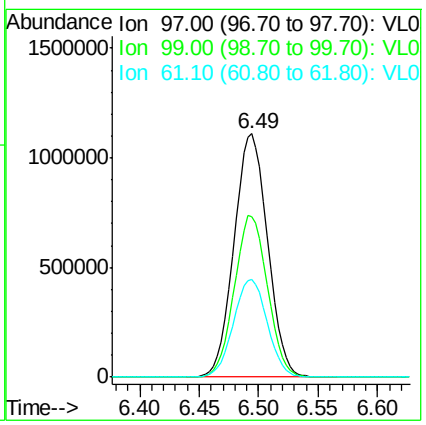


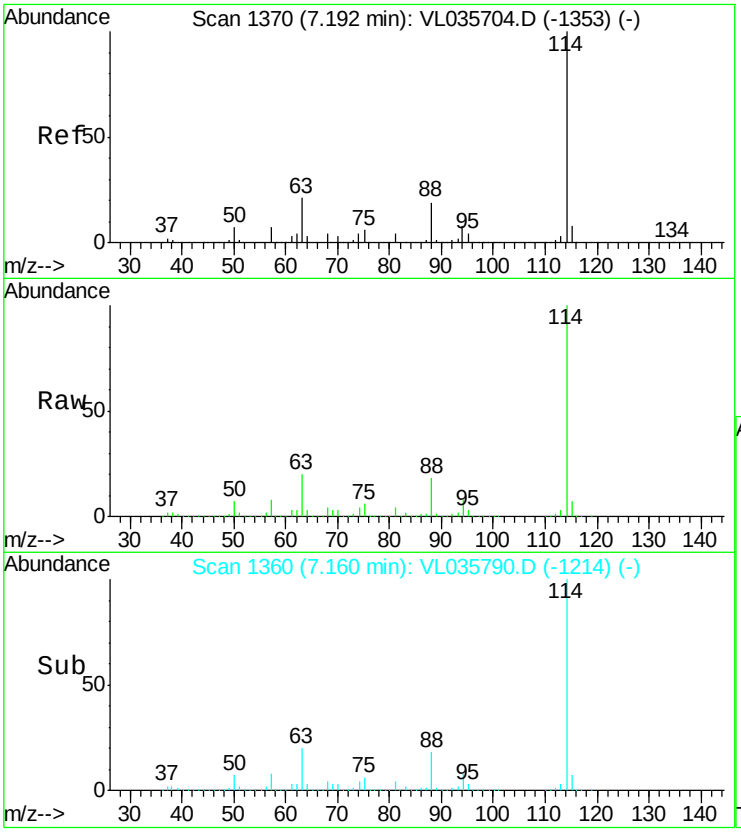


#32
1,1,1-Trichloroethane
Concen: 10.528 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 97 Resp: 2170347

Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.7	79.1
61	40.5	32.7	49.1



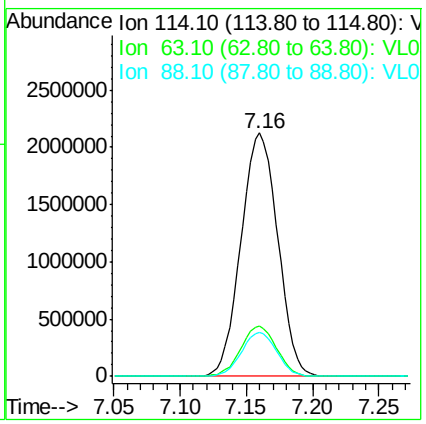


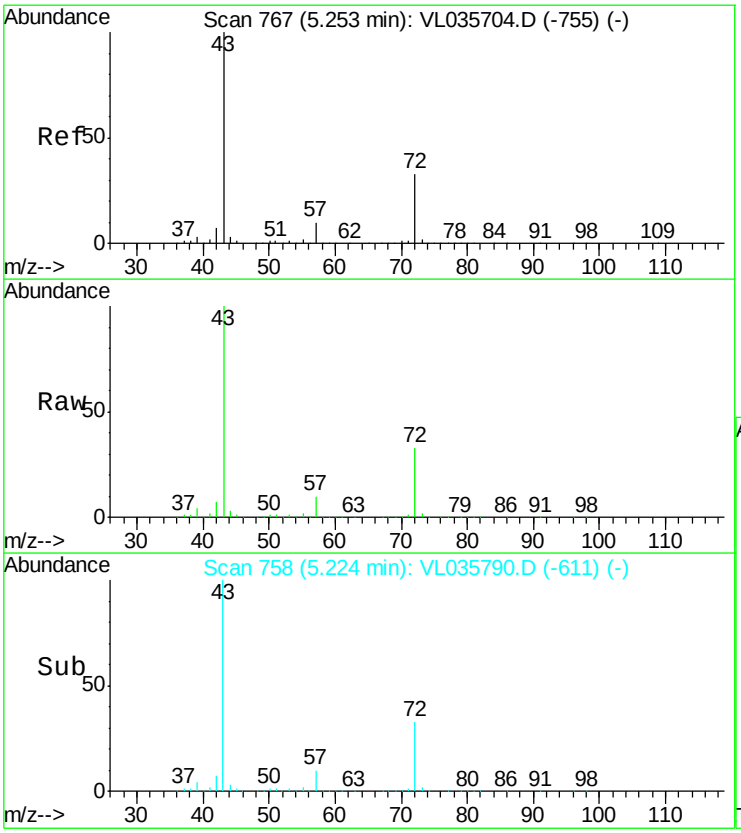
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 4103389

Ion	Ratio	Lower	Upper
114	100		
63	20.3	16.1	24.1
88	17.5	14.1	21.1

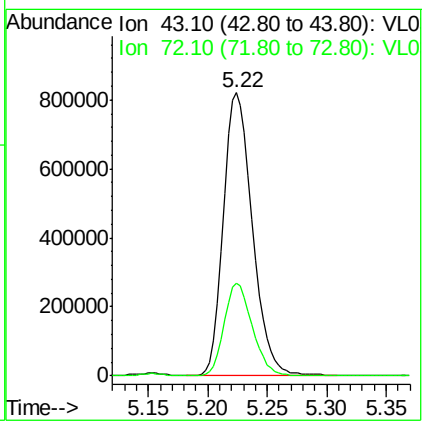


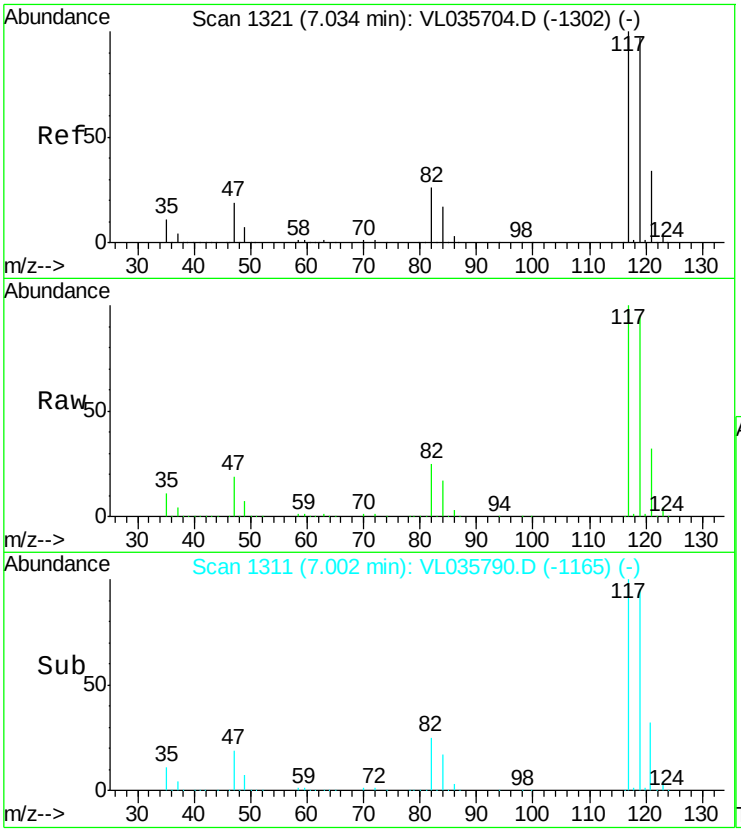


#34
2-Butanone
Concen: 10.191 ppbv
RT: 5.22 min Scan# 758
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 43 Resp: 1383118

Ion	Ratio	Lower	Upper
43	100		
72	32.2	26.1	39.1



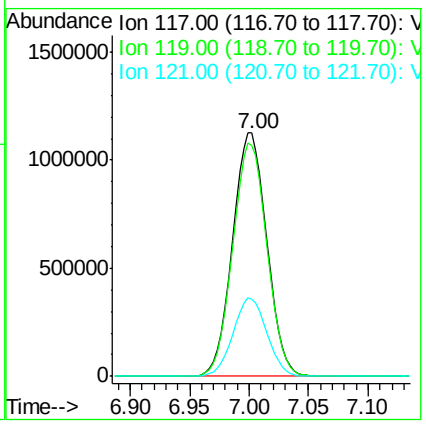


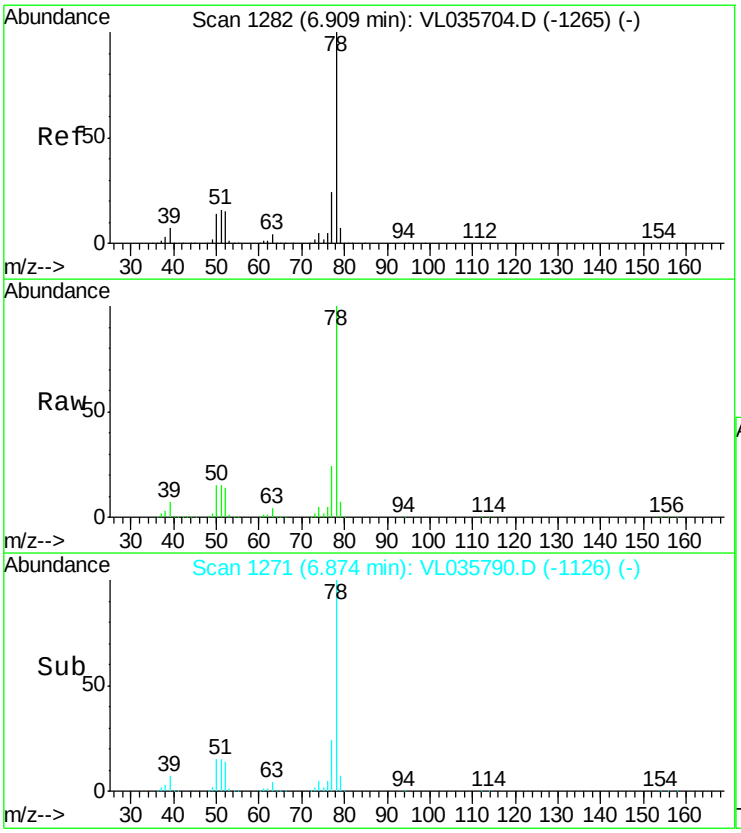
#35
Carbon Tetrachloride
Concen: 10.481 ppbv
RT: 7.00 min Scan# 1311
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 2242359

Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.7	116.5
121	31.9	26.9	40.3

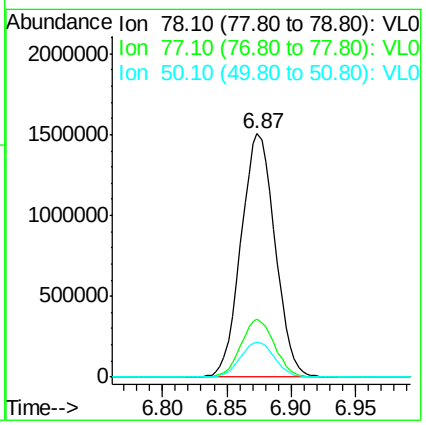


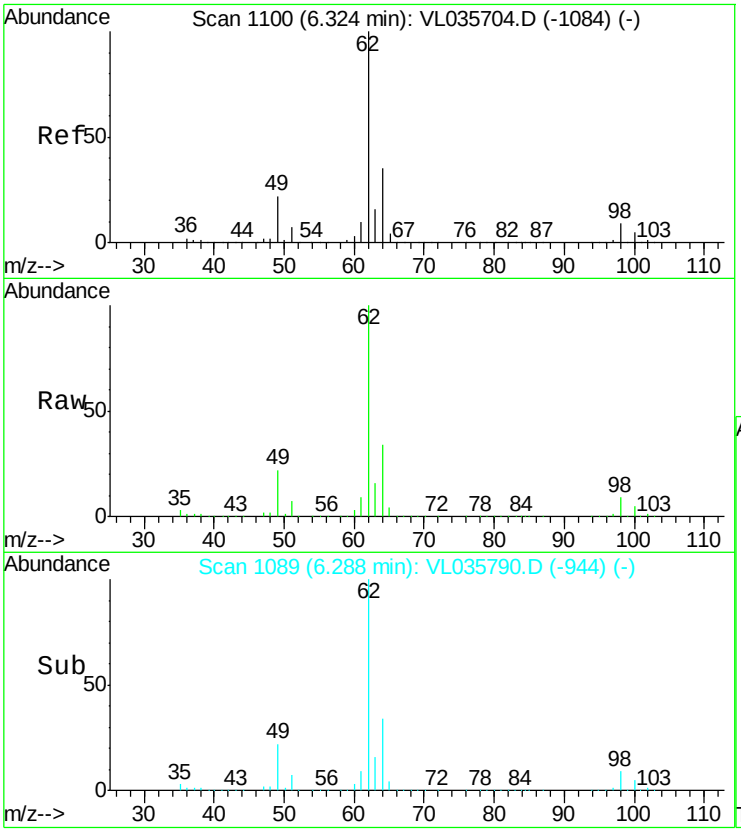


#36
Benzene
Concen: 10.336 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 78 Resp: 2763611

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9
50	14.6	11.6	17.4



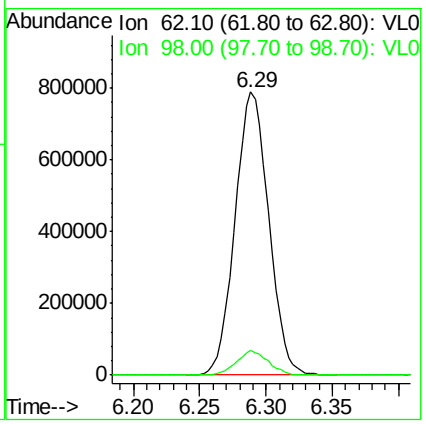


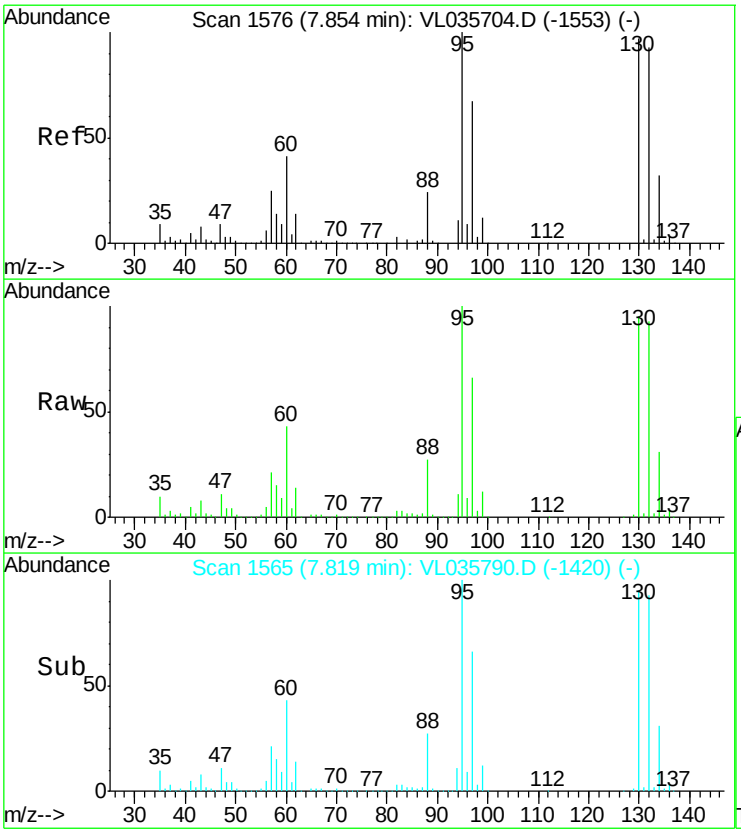
#37
1,2-Dichloroethane
Concen: 10.004 ppbv
RT: 6.29 min Scan# 1089
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 1394109

Ion	Ratio	Lower	Upper
62	100		
98	8.3	6.9	10.3

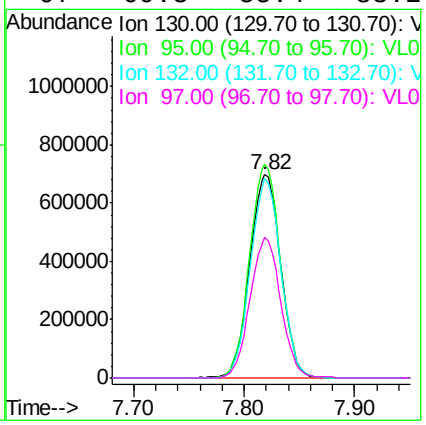


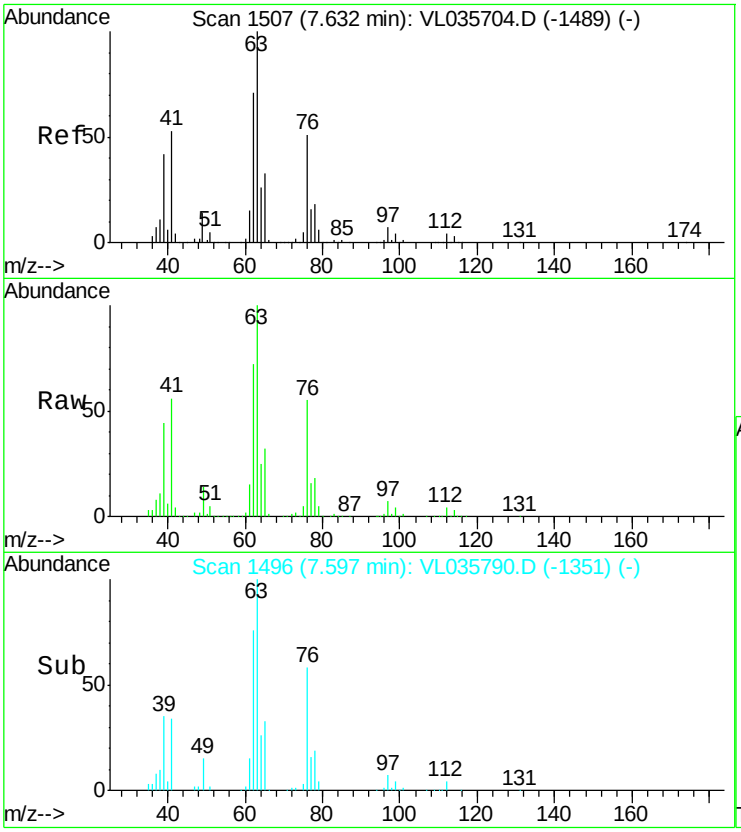


#38
Trichloroethene
Concen: 10.241 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion:130 Resp: 1365921

Ion	Ratio	Lower	Upper
130	100		
95	105.2	82.4	123.6
132	98.2	76.8	115.2
97	69.3	55.4	83.2



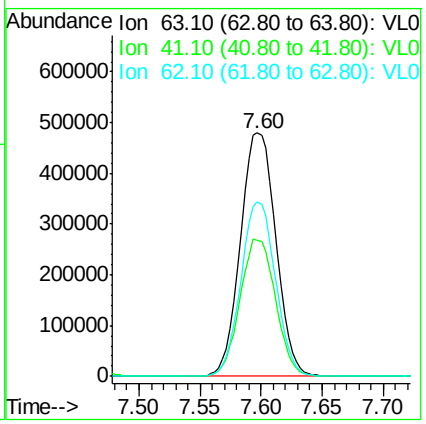


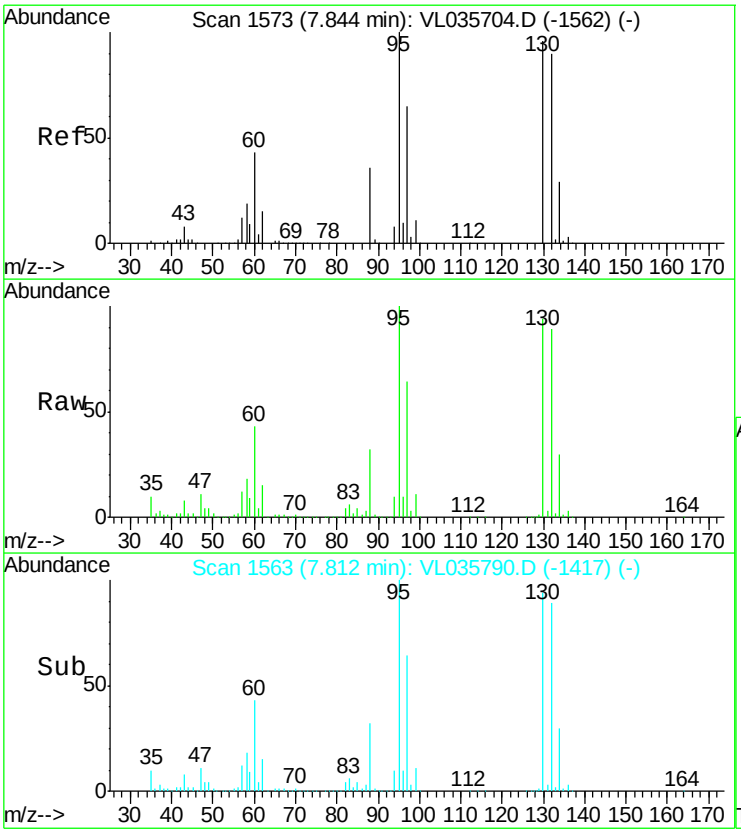
#39
1,2-Dichloropropane
Concen: 9.911 ppbv
RT: 7.60 min Scan# 1496
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 960542

Ion	Ratio	Lower	Upper
63	100		
41	55.7	42.6	63.8
62	71.7	56.5	84.7

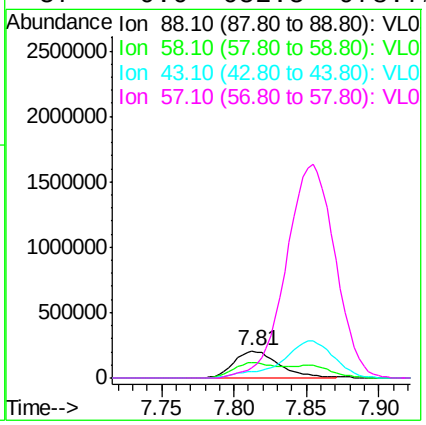


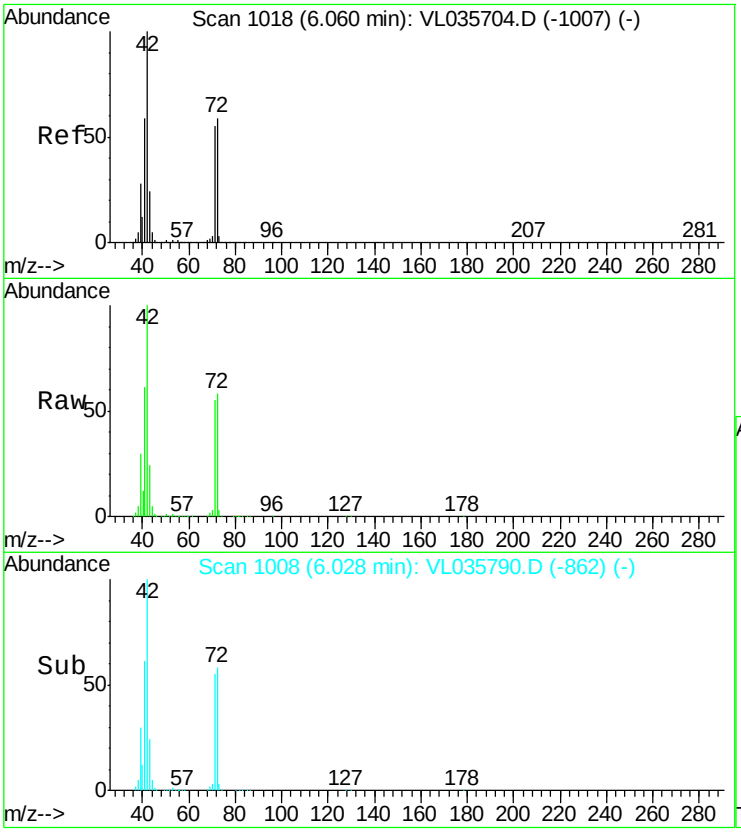


#40
1,4-Dioxane
Concen: 10.056 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 88 Resp: 445695

Ion	Ratio	Lower	Upper
88	100		
58	99.3	76.2	114.4
43	0.0	123.4	185.2#
57	0.0	652.5	978.7#



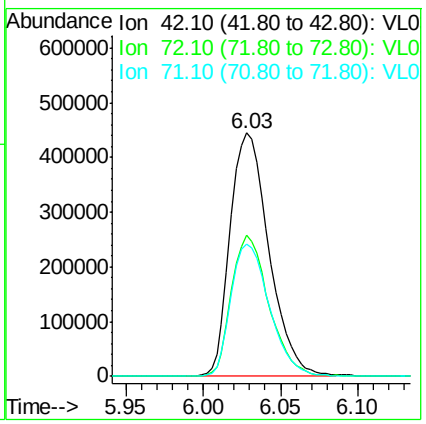


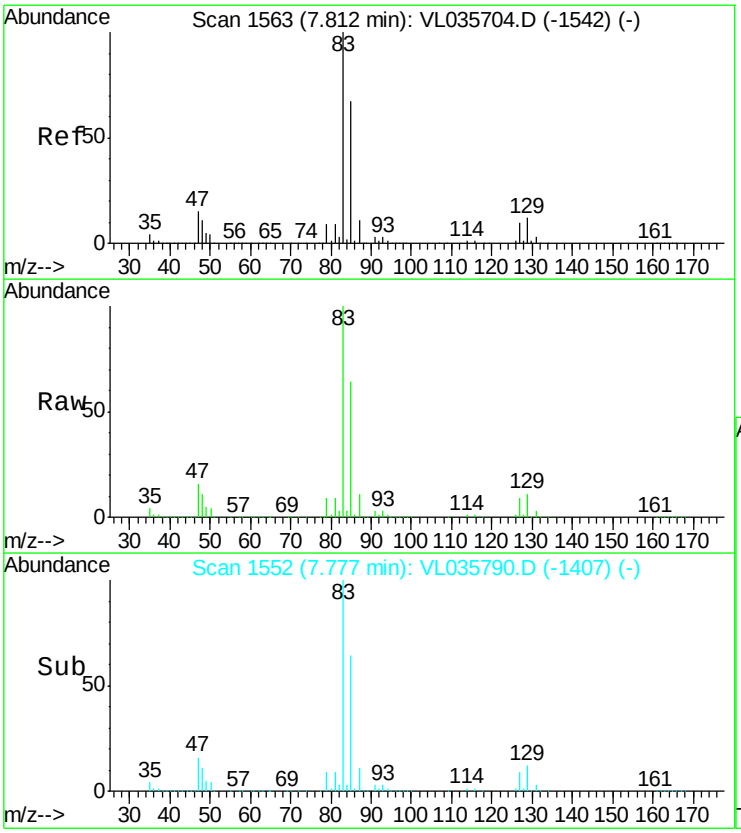
#41
Tetrahydrofuran
Concen: 11.362 ppbv
RT: 6.03 min Scan# 1008
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 776861

Ion	Ratio	Lower	Upper
42	100		
72	56.1	46.2	69.4
71	54.0	44.2	66.4

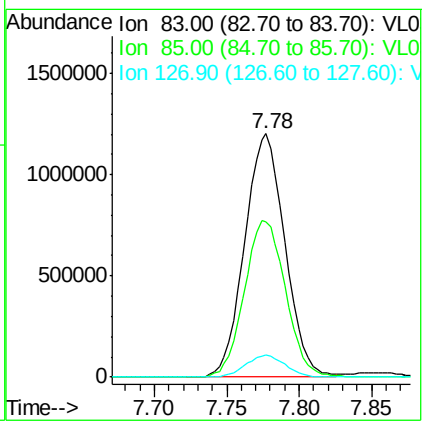


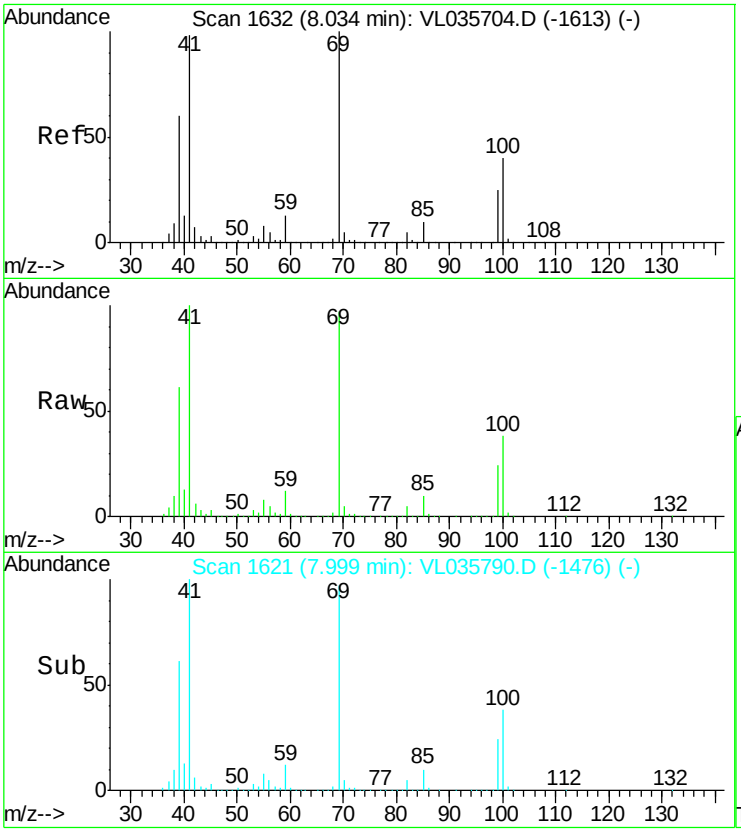


#42
Bromodichloromethane
Concen: 10.348 ppbv
RT: 7.78 min Scan# 1552
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 83 Resp: 2322911

Ion	Ratio	Lower	Upper
83	100		
85	63.6	53.4	80.0
127	9.3	7.8	11.6



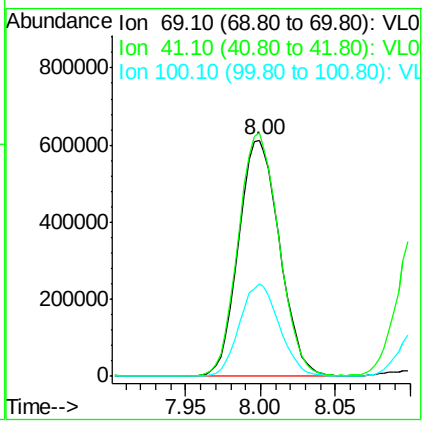


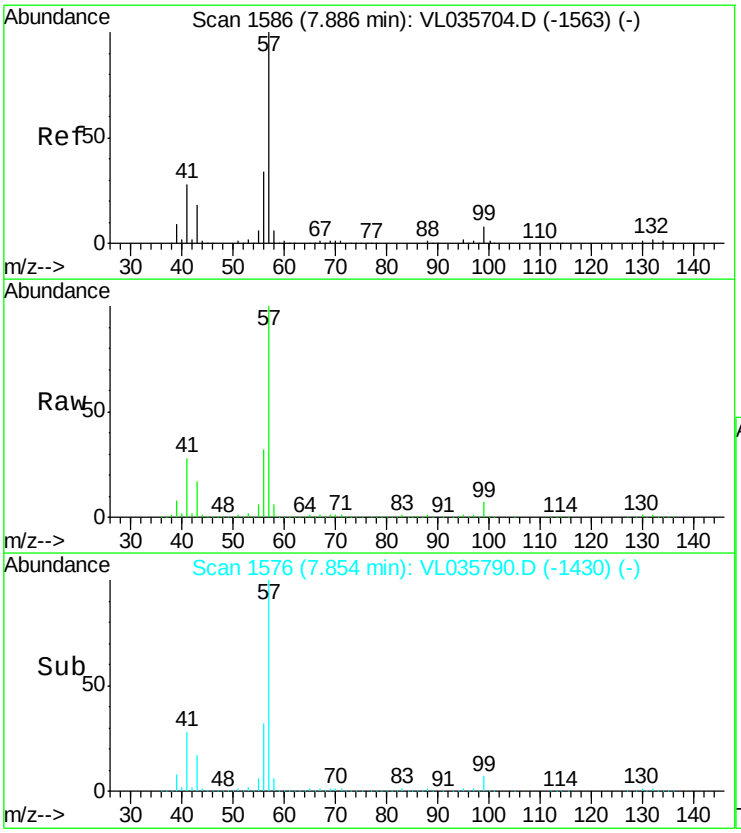
#43
Methyl Methacrylate
Concen: 11.037 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 1173657

Ion	Ratio	Lower	Upper
69	100		
41	102.0	79.8	119.6
100	38.0	30.6	46.0

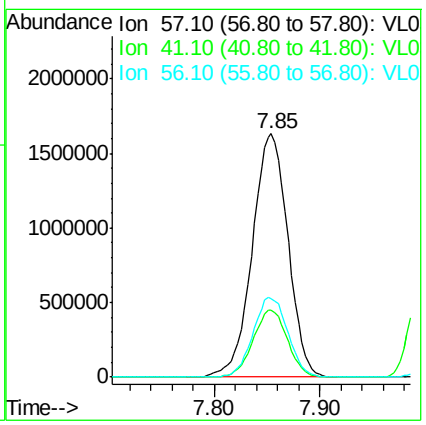


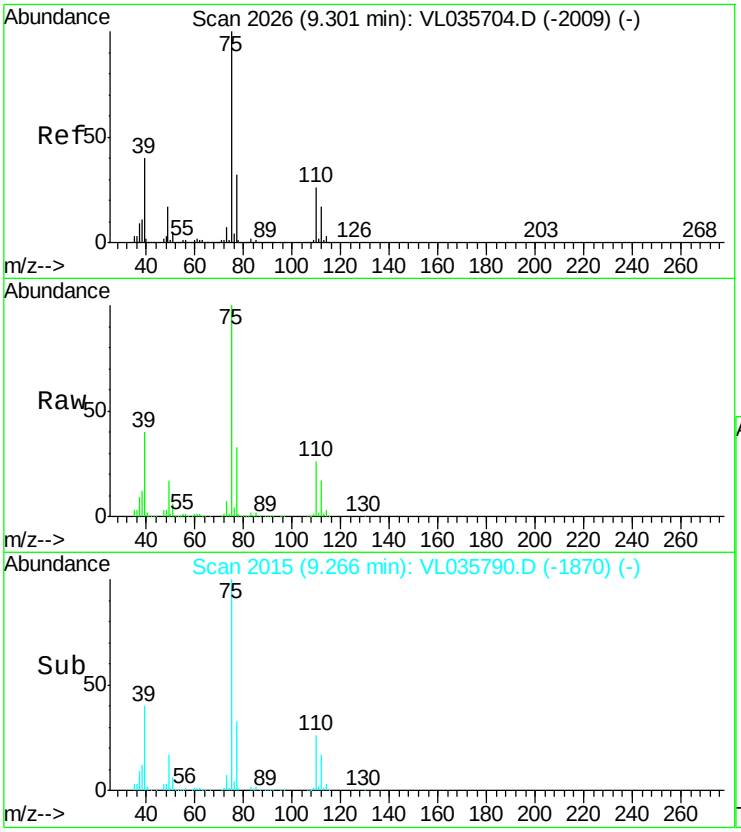


#44
2,2,4-Trimethylpentane
Concen: 10.004 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 57 Resp: 3838159

Ion	Ratio	Lower	Upper
57	100		
41	26.7	21.2	31.8
56	32.0	25.8	38.8



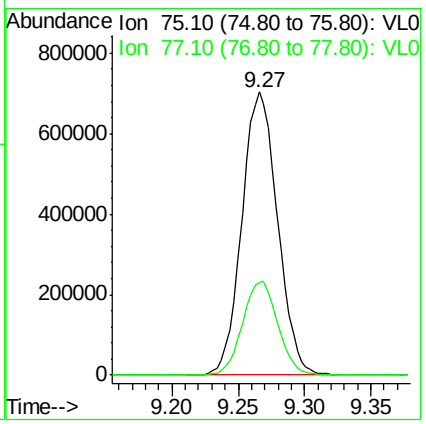


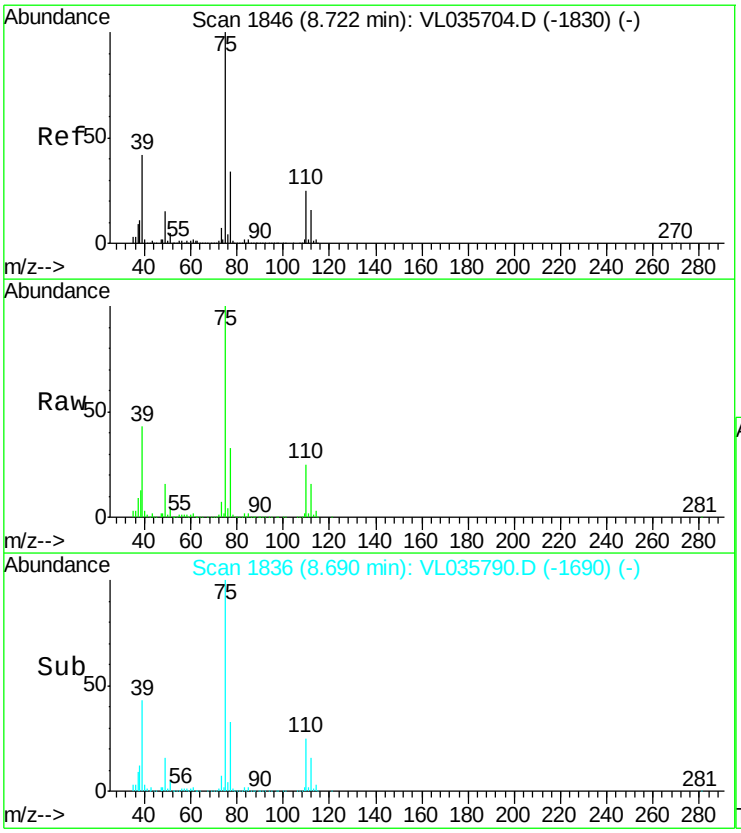
#45
t-1,3-Dichloropropene
Concen: 12.269 ppbv
RT: 9.27 min Scan# 2015
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 75 Resp: 1317251

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.9	38.9

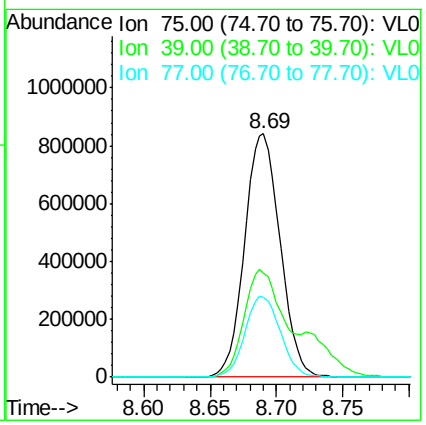


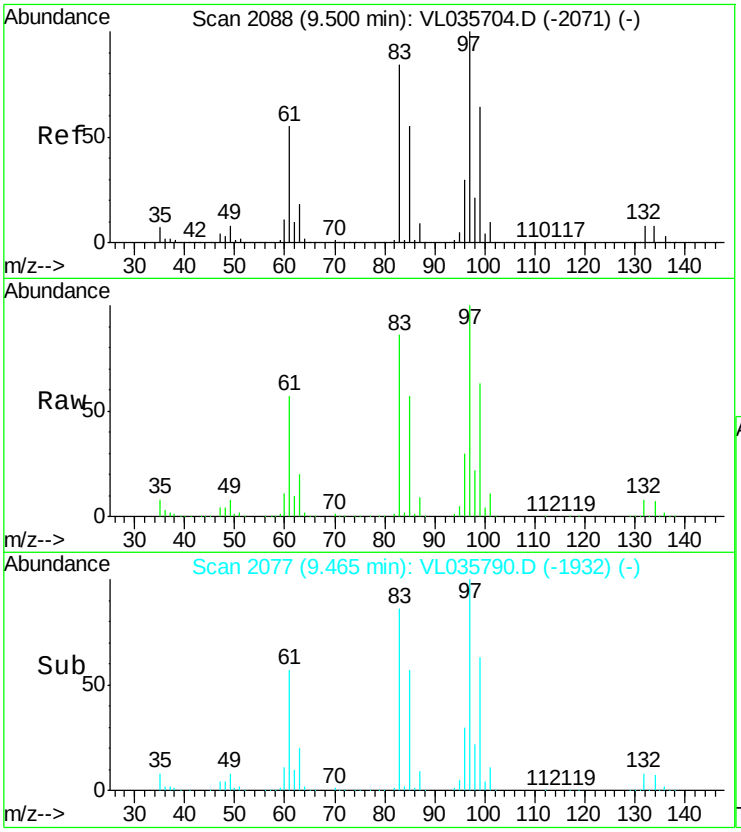


#46
cis-1,3-Dichloropropene
Concen: 11.865 ppbv
RT: 8.69 min Scan# 1836
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 75 Resp: 1570220

Ion	Ratio	Lower	Upper
75	100		
39	42.8	33.9	50.9
77	32.9	27.4	41.0



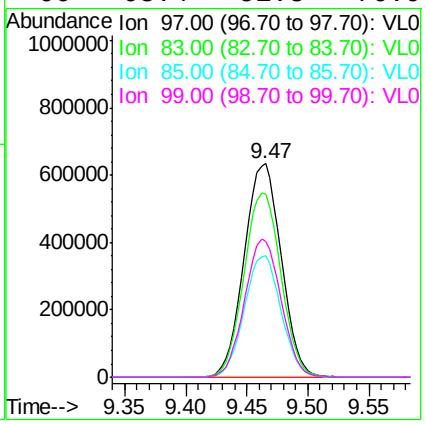


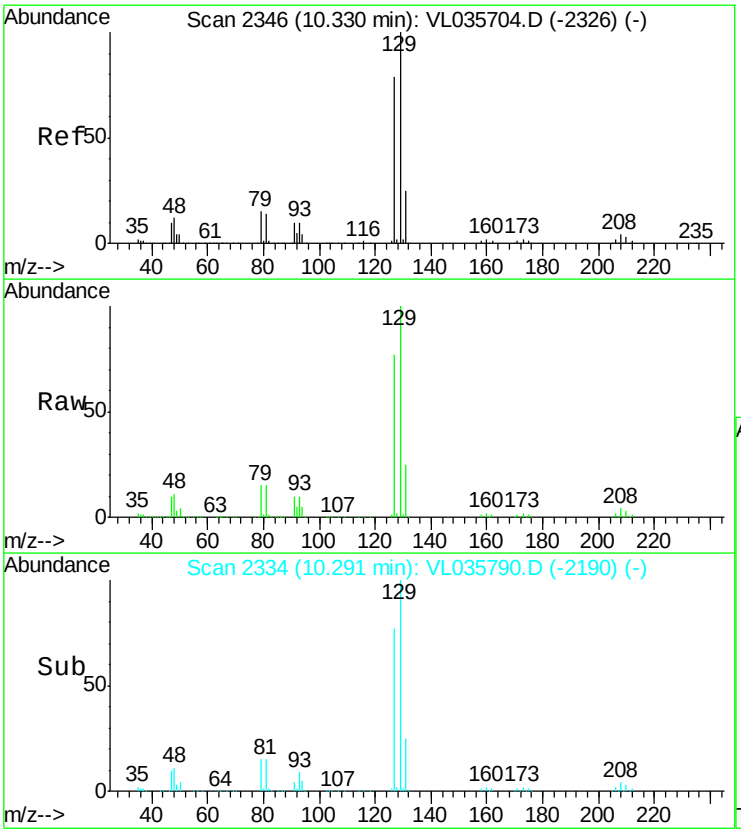
#47
1,1,2-Trichloroethane
Concen: 9.593 ppbv
RT: 9.47 min Scan# 2077
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 1331648

Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.1	100.7
85	57.0	43.9	65.9
99	63.4	51.3	76.9

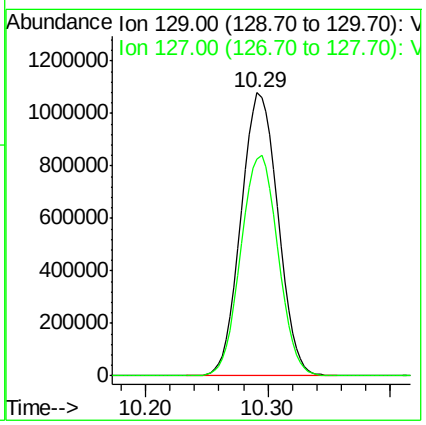


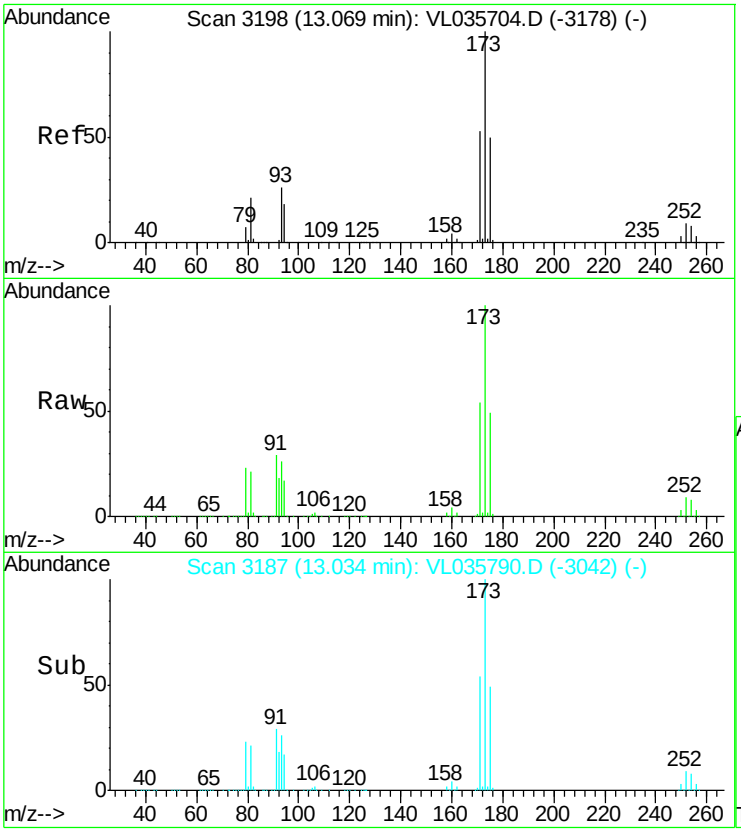


#48
Dibromochloromethane
Concen: 10.721 ppbv
RT: 10.29 min Scan# 2334
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion:129 Resp: 2265030

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.4	118.1



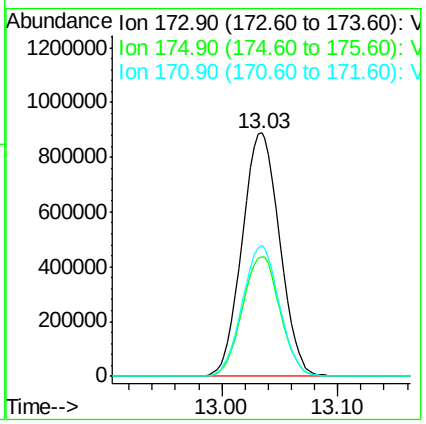


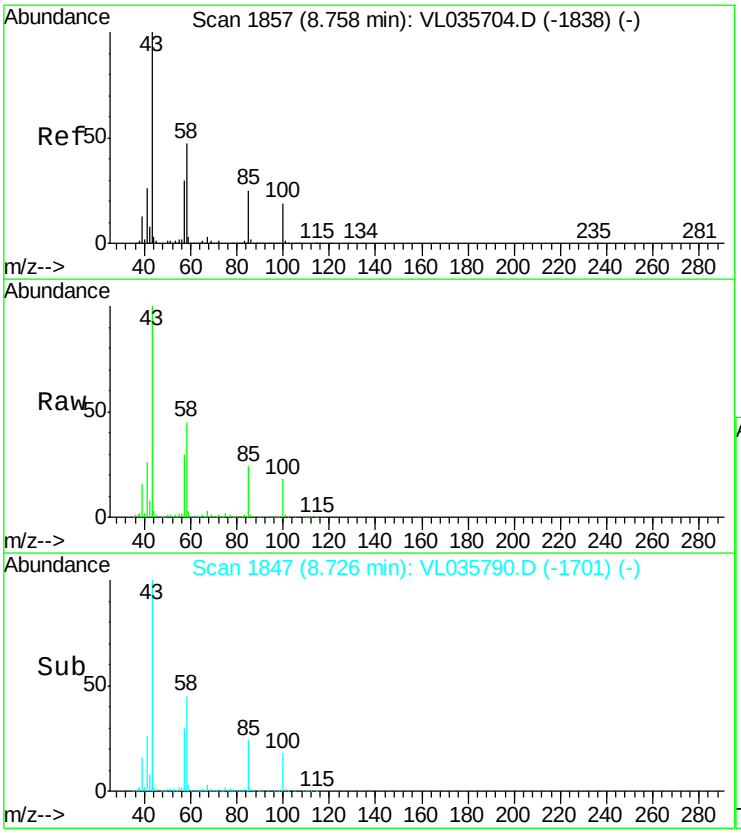
#49
Bromoform
Concen: 11.225 ppbv
RT: 13.03 min Scan# 3187
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:173 Resp: 2012125

Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.8	59.6
171	53.0	42.8	64.2

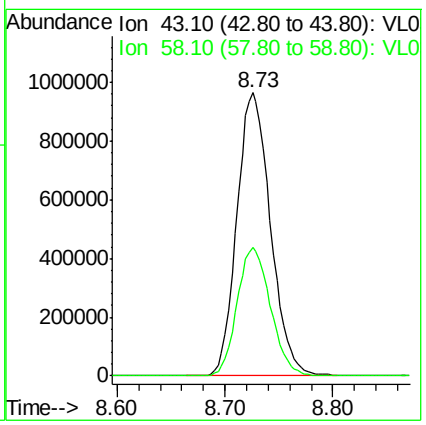


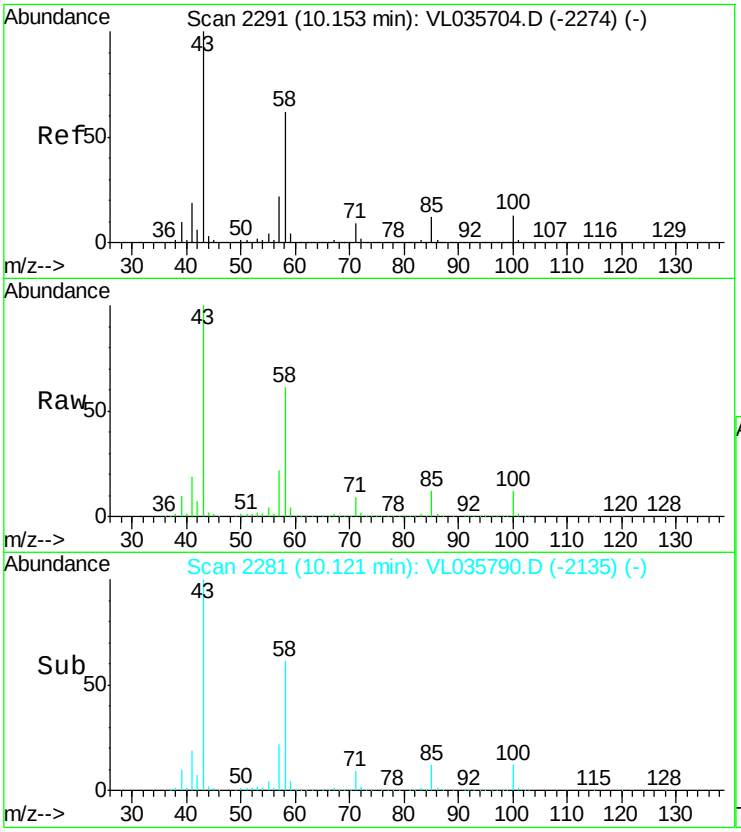


#50
4-Methyl-2-Pentanone
Concen: 10.537 ppbv
RT: 8.73 min Scan# 1847
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 43 Resp: 2088761

Ion	Ratio	Lower	Upper
43	100		
58	45.2	36.6	54.8



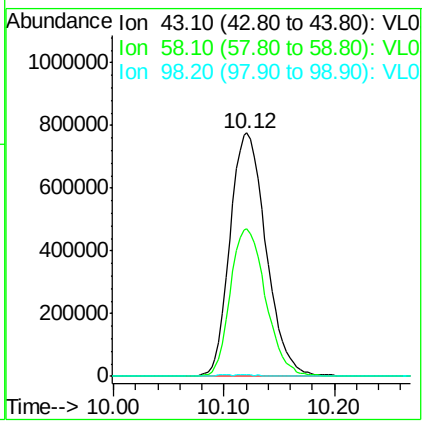


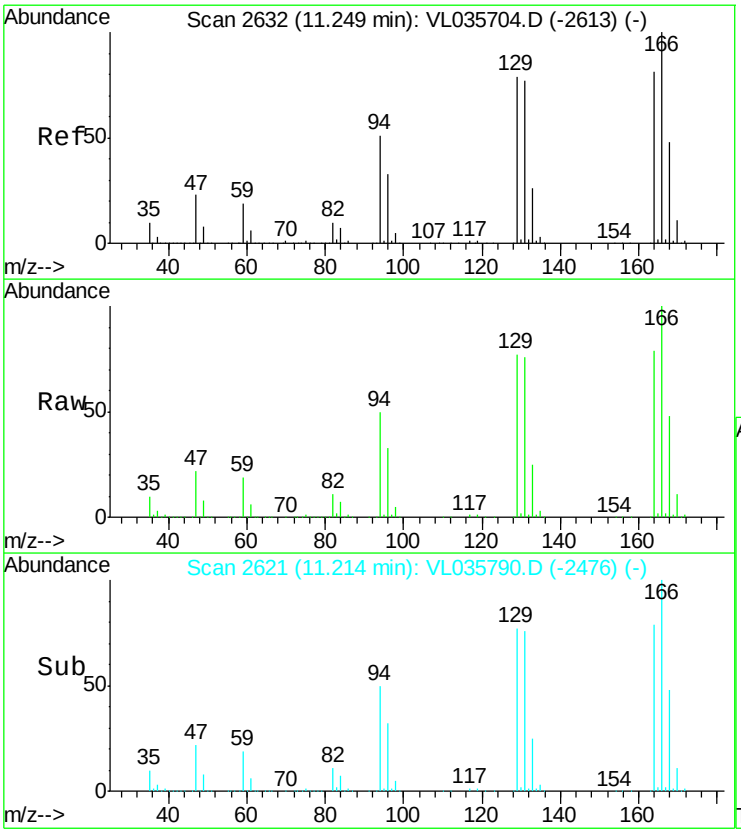
#51
2-Hexanone
Concen: 10.991 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1755523

Ion	Ratio	Lower	Upper
43	100		
58	59.9	48.7	73.1
98	0.8	0.7	1.1

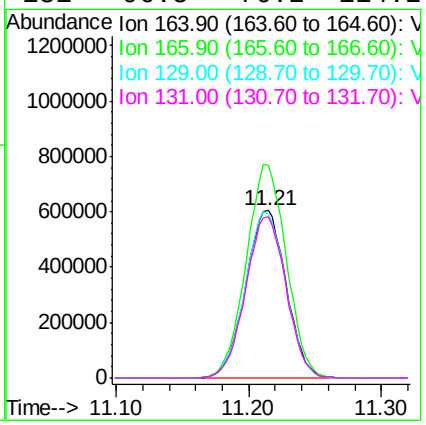


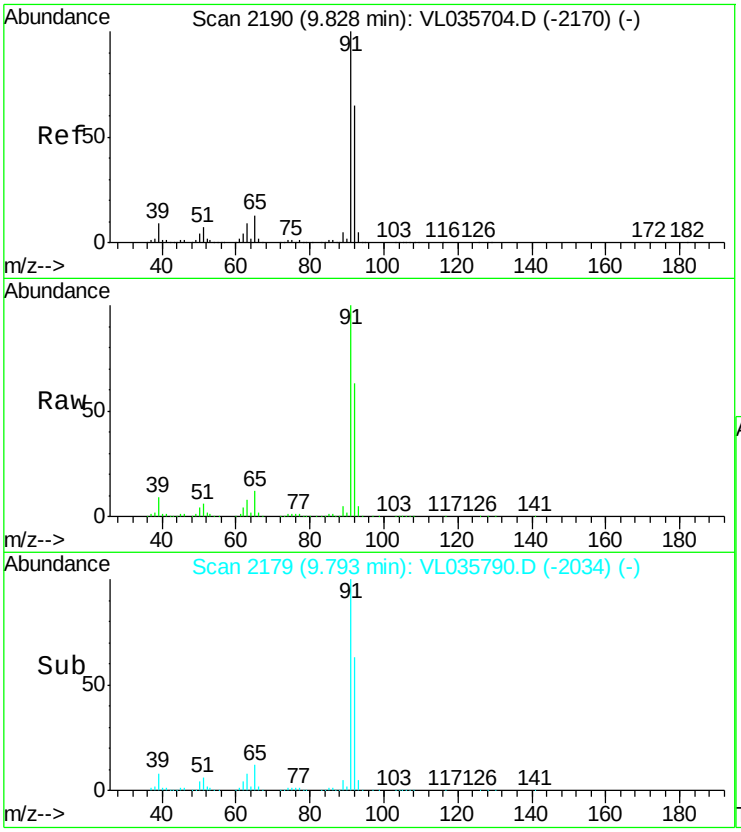


#52
Tetrachloroethene
Concen: 9.985 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion:164 Resp: 1283837

Ion	Ratio	Lower	Upper
164	100		
166	127.0	98.7	148.1
129	97.8	78.4	117.6
131	96.5	76.2	114.2



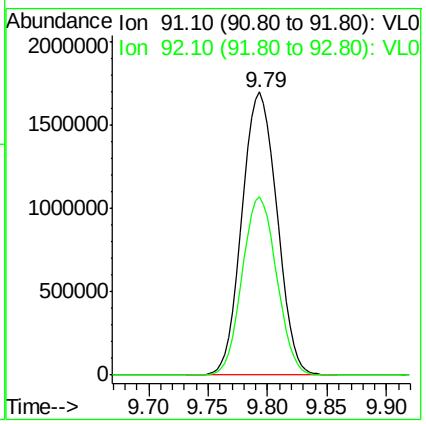


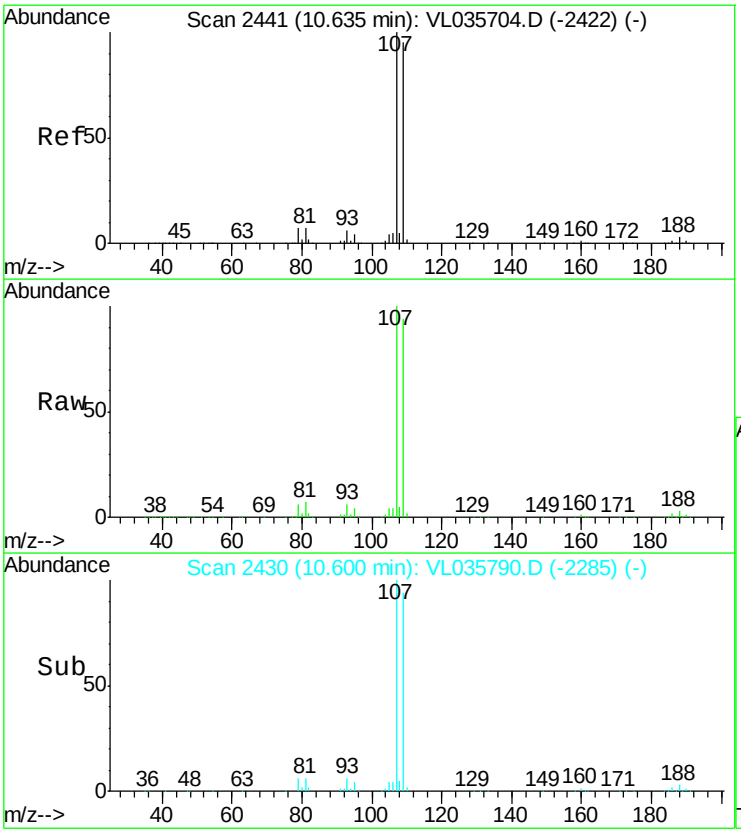
#53
Toluene
Concen: 11.024 ppbv
RT: 9.79 min Scan# 2179
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 3475706

Ion	Ratio	Lower	Upper
91	100		
92	61.9	50.0	75.0

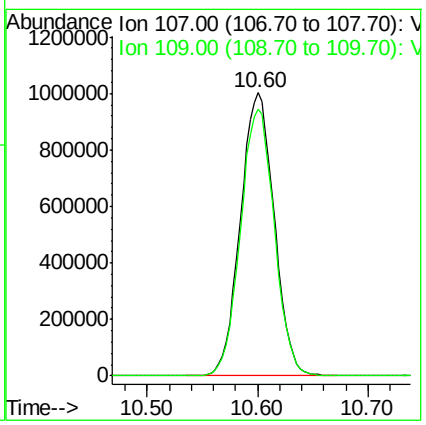


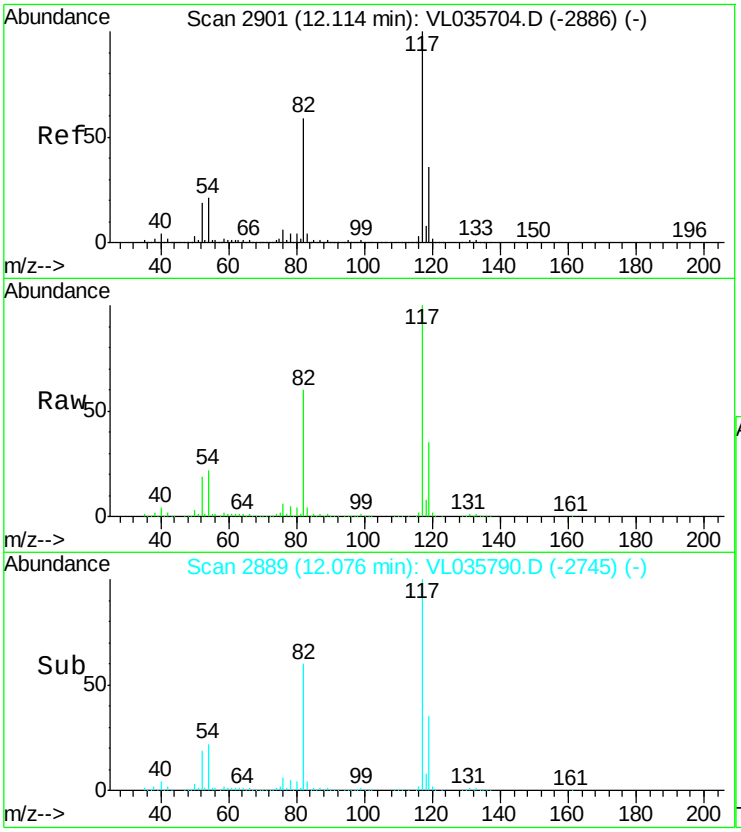


#54
1,2-Dibromoethane
Concen: 10.221 ppbv
RT: 10.60 min Scan# 2430
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion:107 Resp: 2124491

Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.0	114.0



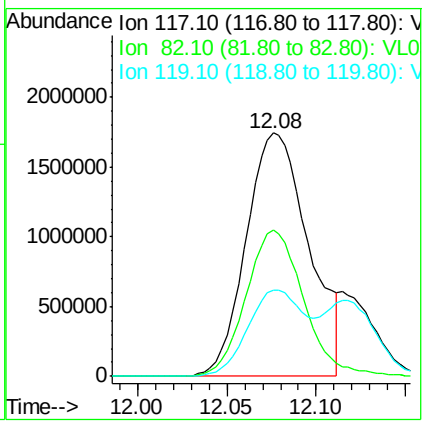


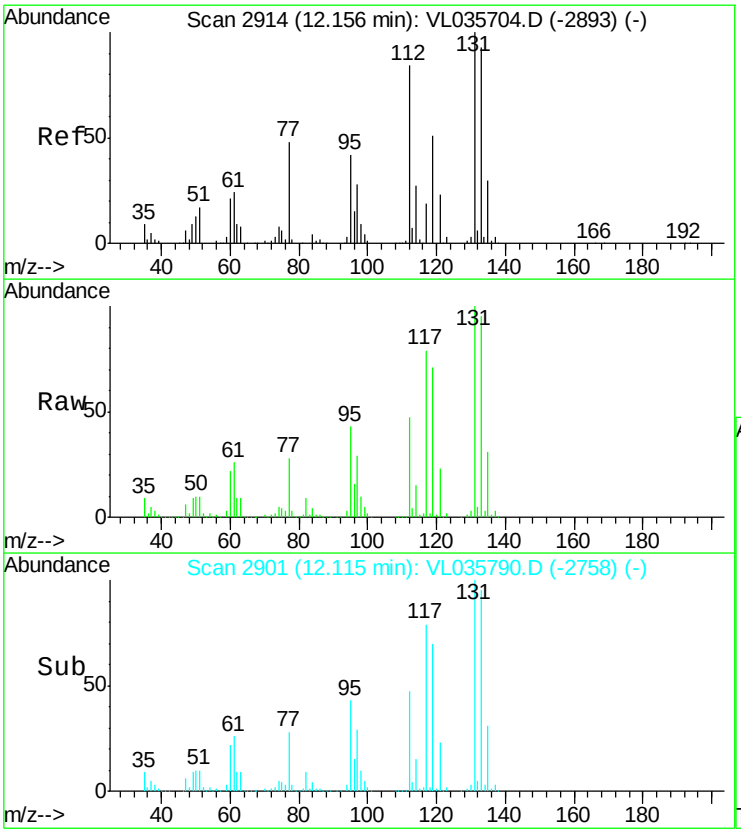
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2889
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 4239312

Ion	Ratio	Lower	Upper
117	100		
82	55.5	46.1	69.1
119	34.1	28.0	42.0

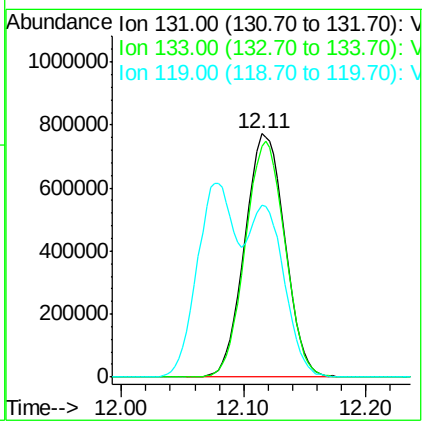


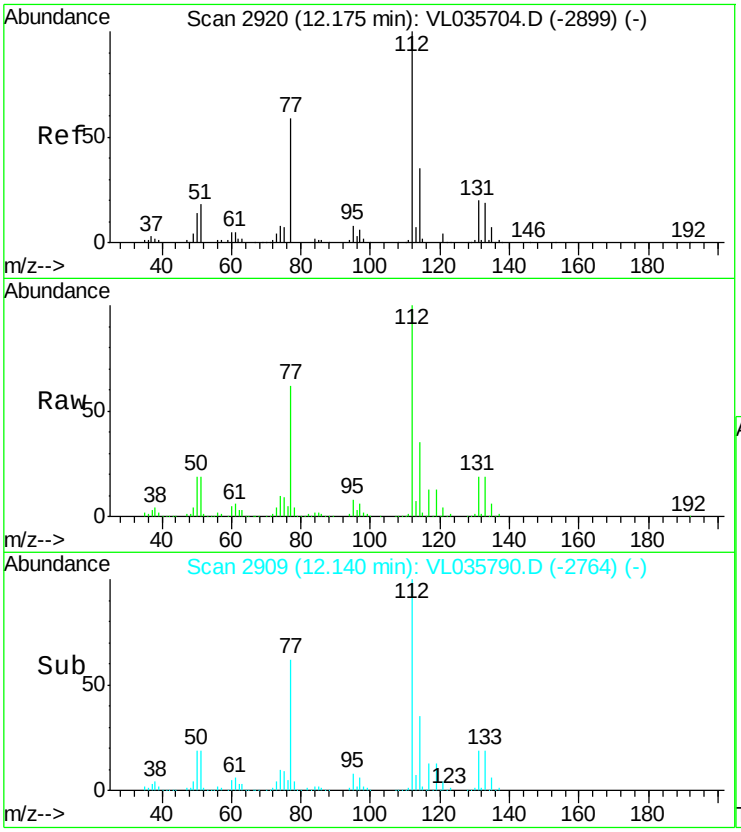


#56
1,1,1,2-Tetrachloroethane
Concen: 9.882 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion:131 Resp: 1756519

Ion	Ratio	Lower	Upper
131	100		
133	95.9	76.2	114.4
119	59.5	52.4	78.6



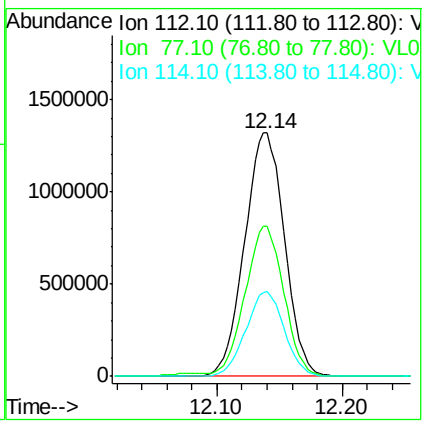


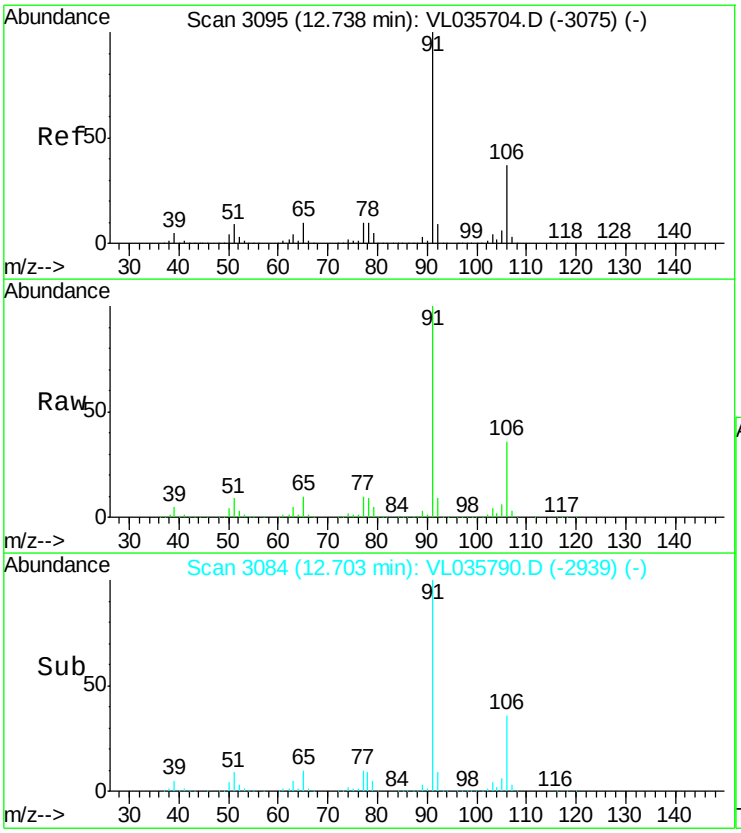
#57
Chlorobenzene
Concen: 9.113 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:112 Resp: 2918051

Ion	Ratio	Lower	Upper
112	100		
77	61.4	48.2	72.2
114	34.9	31.9	39.1

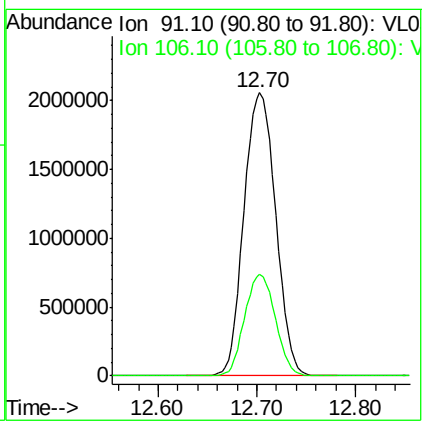


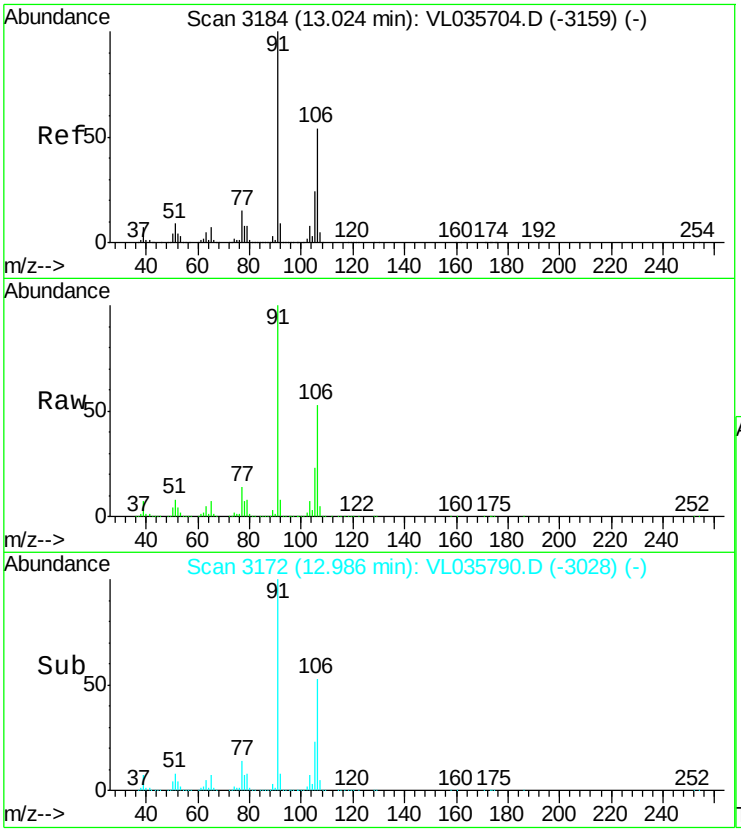


#58
Ethyl Benzene
Concen: 10.754 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 91 Resp: 4575877

Ion	Ratio	Lower	Upper
91	100		
106	35.9	29.7	44.5



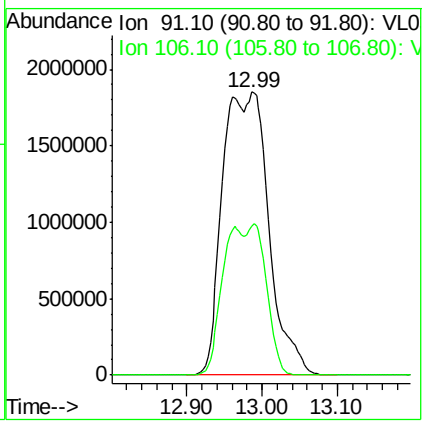


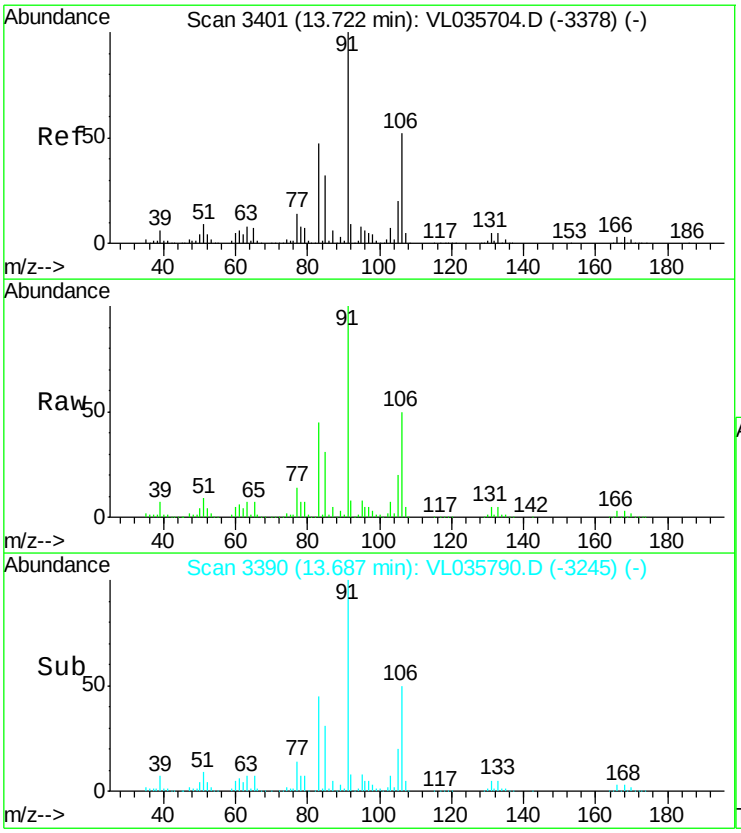
#59
m/p-Xylene
Concen: 21.251 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 7896600

Ion	Ratio	Lower	Upper
91	100		
106	49.1	41.4	62.0

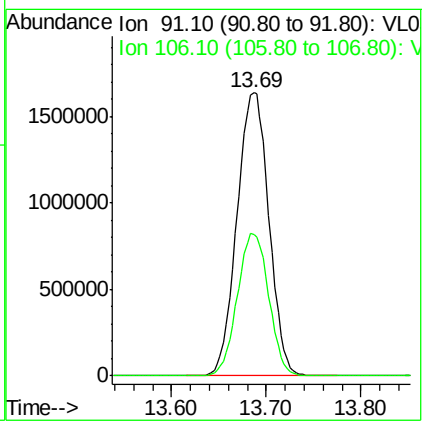


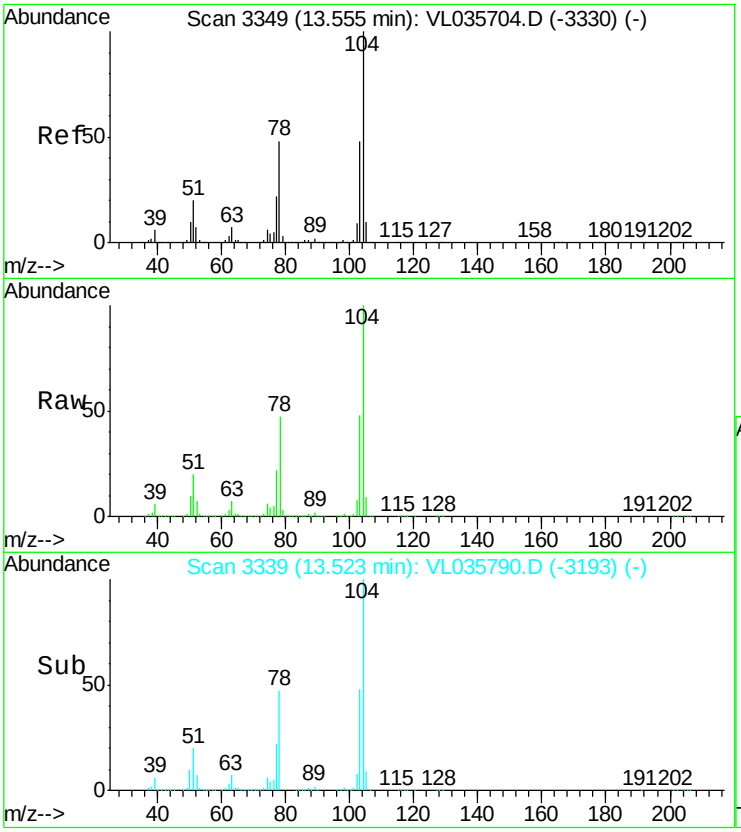


#60
o-Xylene
Concen: 10.206 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 91 Resp: 3836125

Ion	Ratio	Lower	Upper
91	100		
106	49.4	25.0	75.0



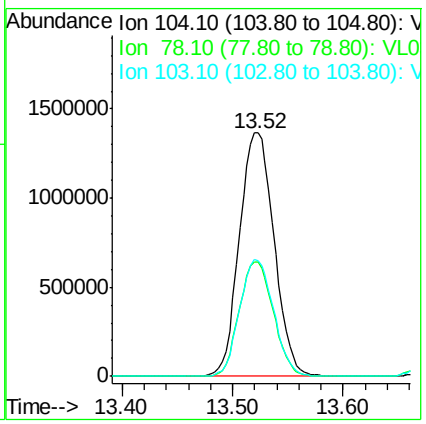


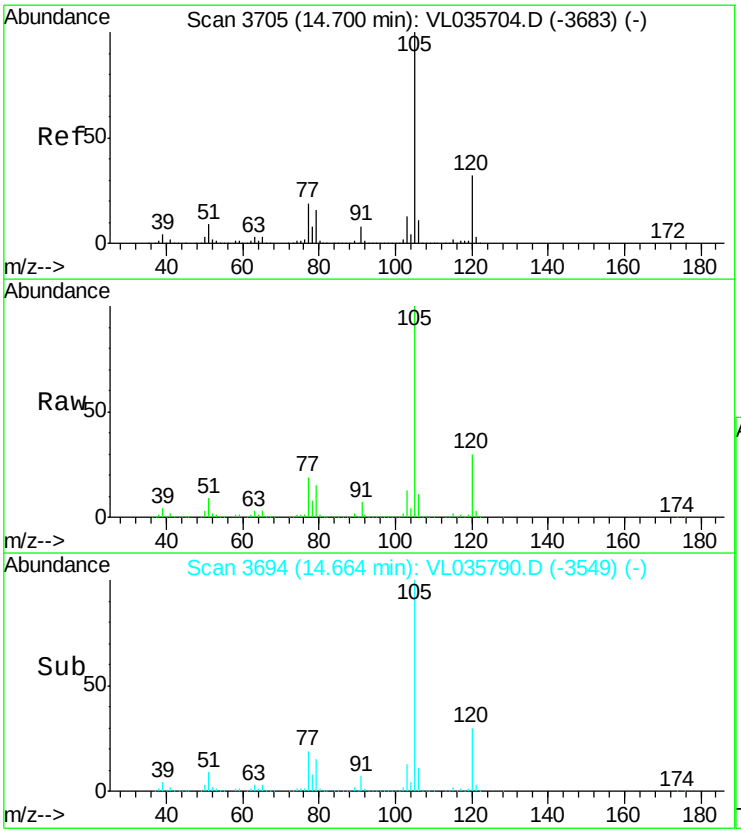
#61
Stvrene
Concen: 11.451 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:104 Resp: 2976271

Ion	Ratio	Lower	Upper
104	100		
78	46.4	37.2	55.8
103	47.2	38.2	57.2

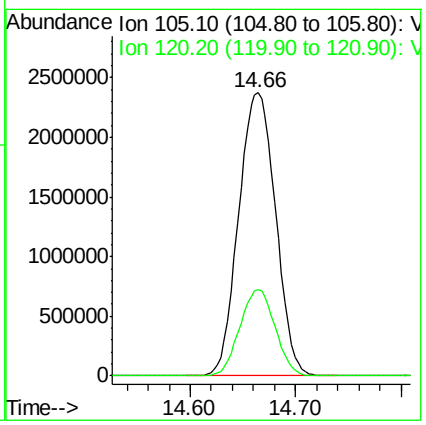


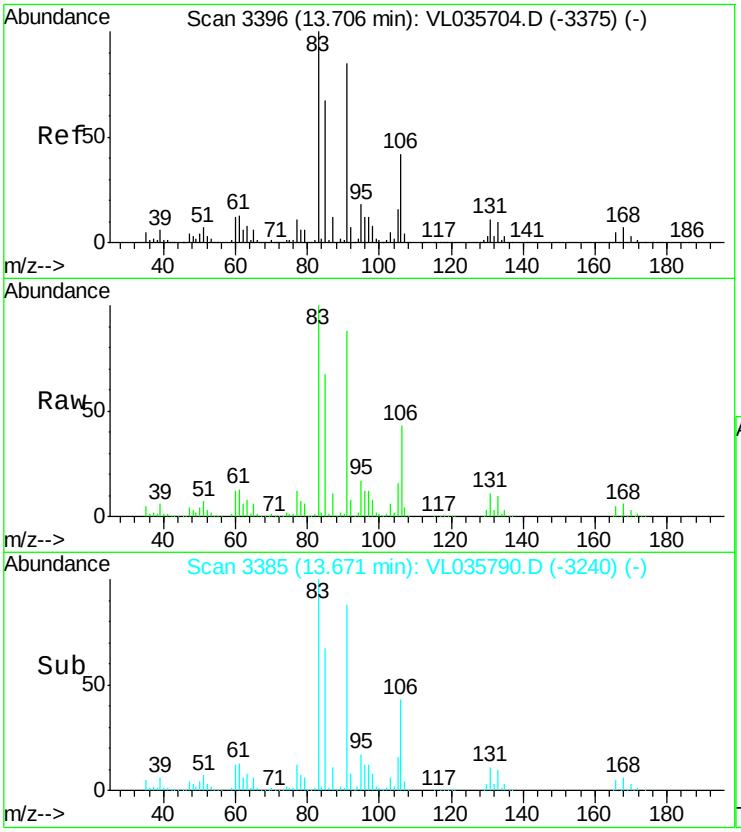


#62
Isopropylbenzene
Concen: 9.920 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion:105 Resp: 5783777

Ion	Ratio	Lower	Upper
105	100		
120	29.1	24.1	36.1



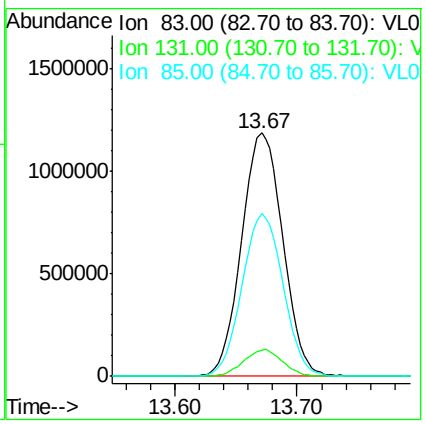


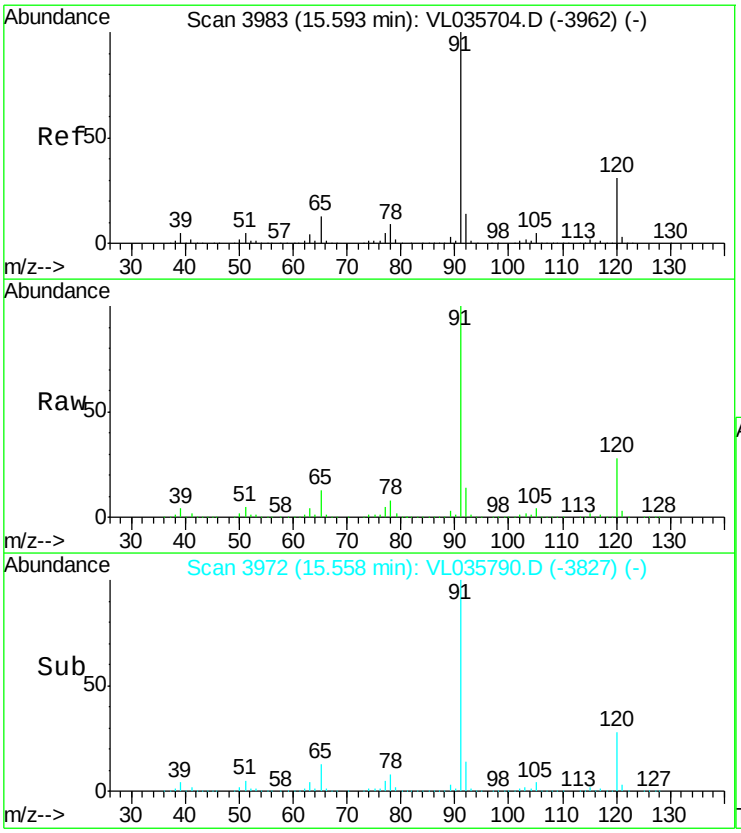
#63
1,1,2,2-Tetrachloroethane
Concen: 9.000 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2773977

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.3	16.1
85	66.5	33.4	100.2

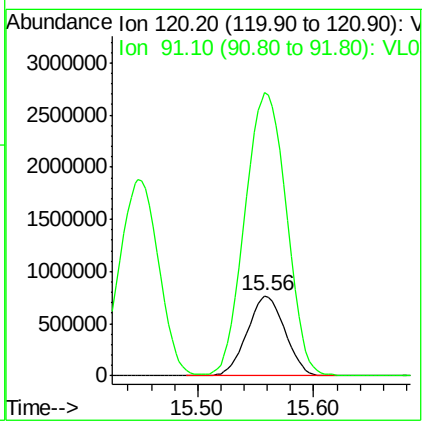


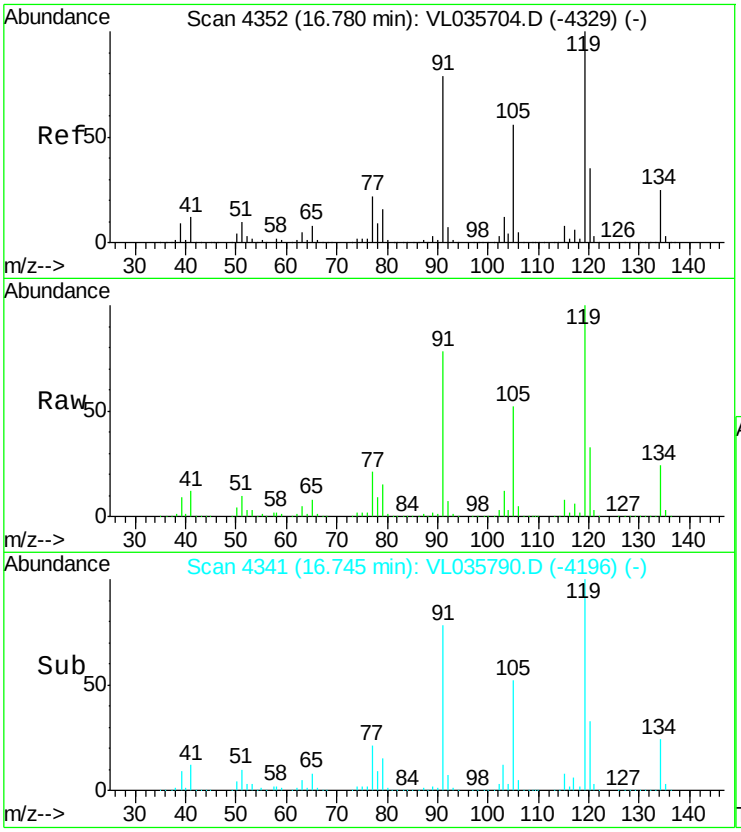


#64
n-propylbenzene
Concen: 10.190 ppbv
RT: 15.56 min Scan# 3972
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion:120 Resp: 1738858

Ion	Ratio	Lower	Upper
120	100		
91	389.7	300.4	450.6



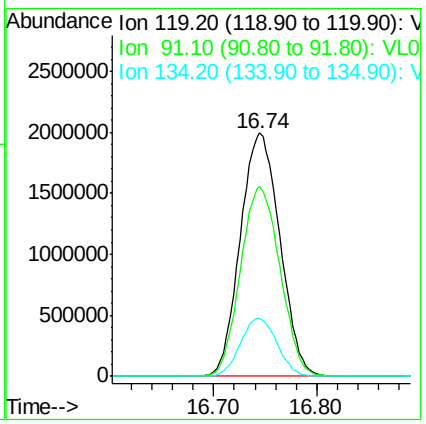


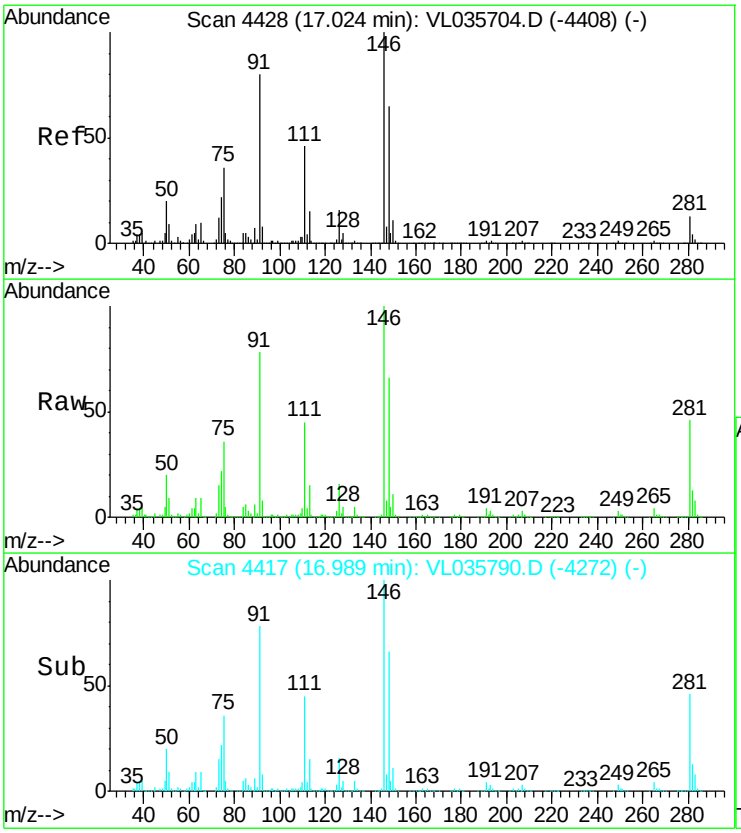
#65
tert-Butylbenzene
Concen: 10.030 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 5316907

Ion	Ratio	Lower	Upper
119	100		
91	77.9	62.4	93.6
134	22.2	18.2	27.2

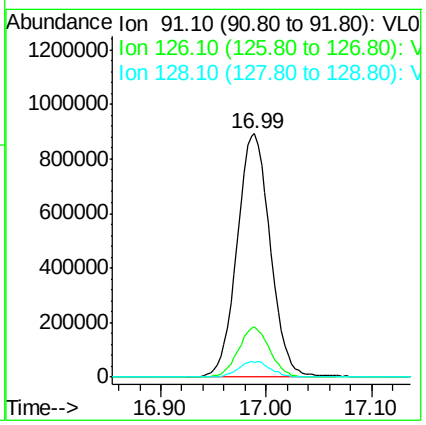


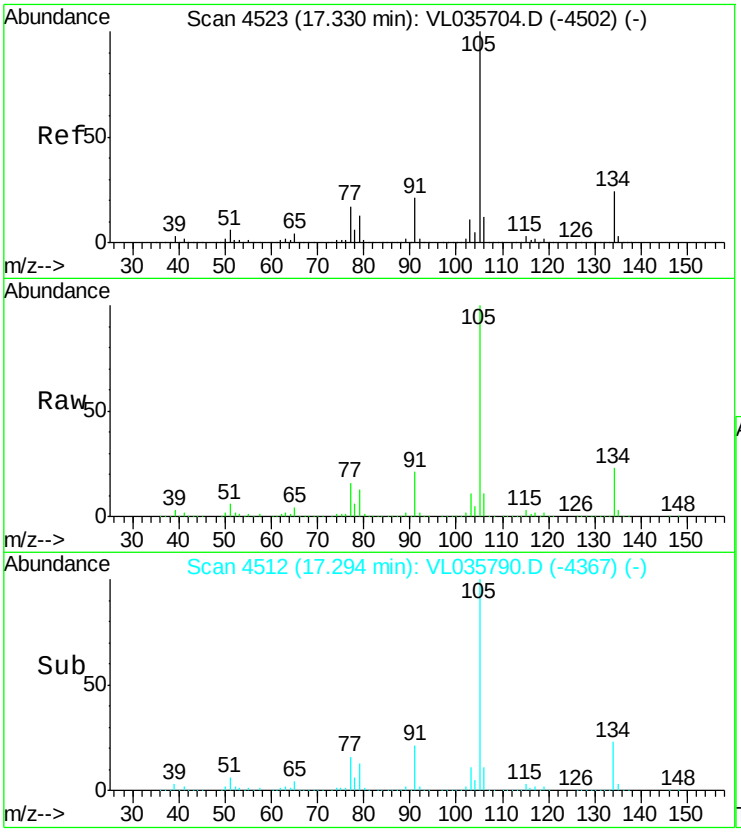


#66
Benzyl Chloride
Concen: 12.135 ppbv
RT: 16.99 min Scan# 4417
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 91 Resp: 1948908

Ion	Ratio	Lower	Upper
91	100		
126	19.5	15.3	22.9
128	6.3	5.0	7.4



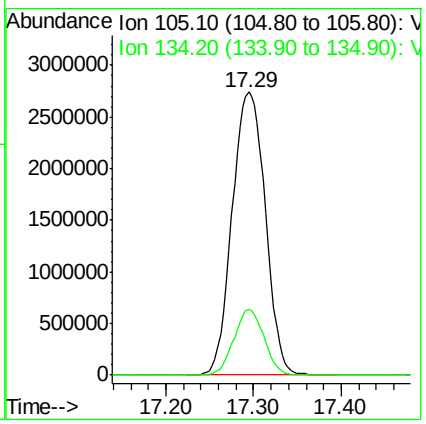


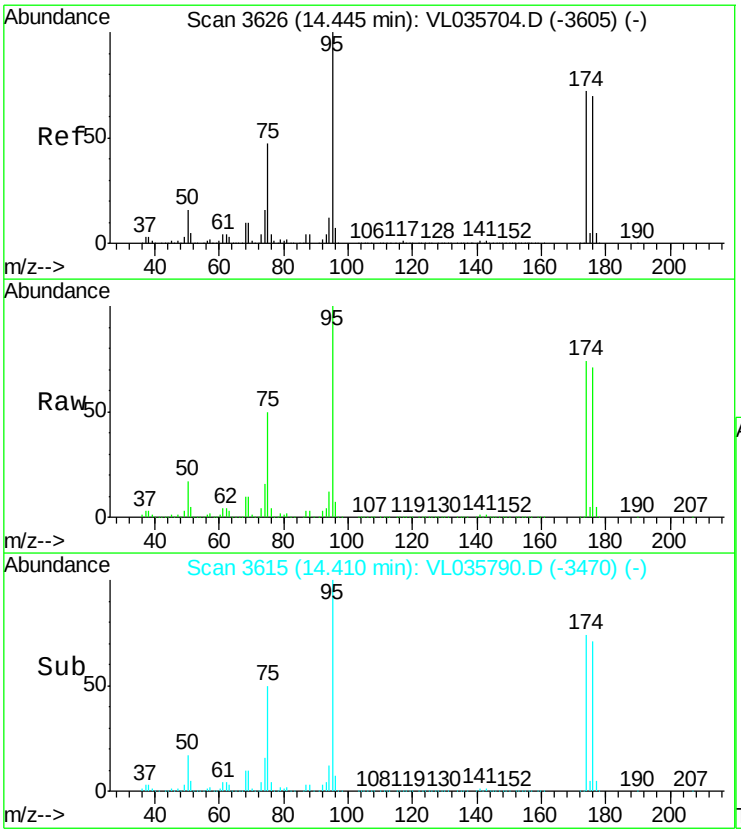
#67
sec-Butylbenzene
Concen: 9.819 ppbv
RT: 17.29 min Scan# 4512
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:105 Resp: 7187222

Ion	Ratio	Lower	Upper
105	100		
134	21.2	17.6	26.4

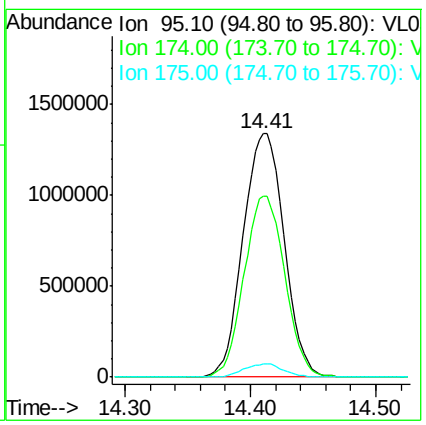


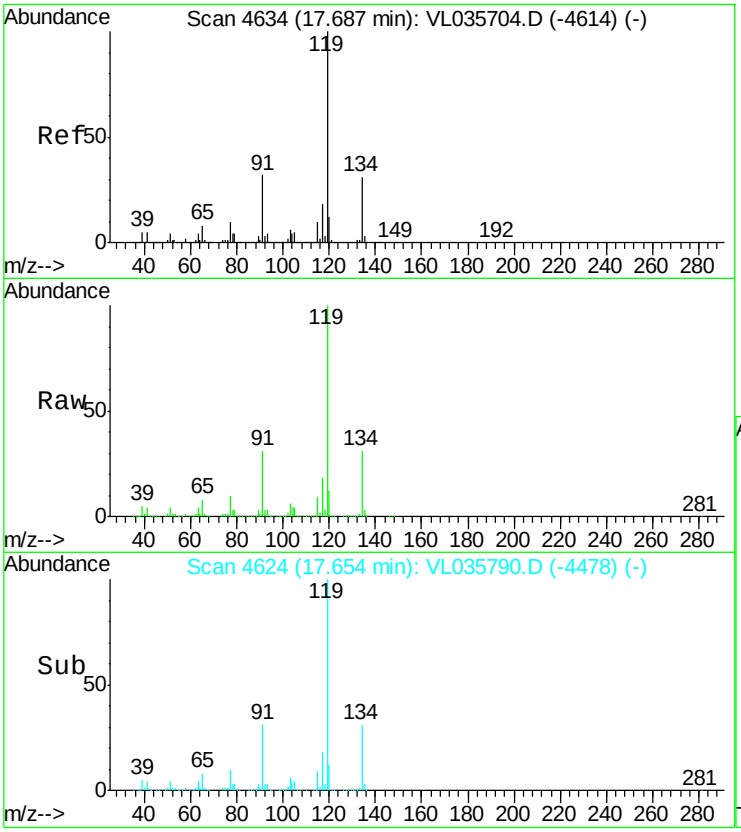


#68
1-Bromo-4-Fluorobenzene
Concen: 9.599 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 95 Resp: 3049332

Ion	Ratio	Lower	Upper
95	100		
174	73.9	59.6	89.4
175	5.3	4.2	6.4



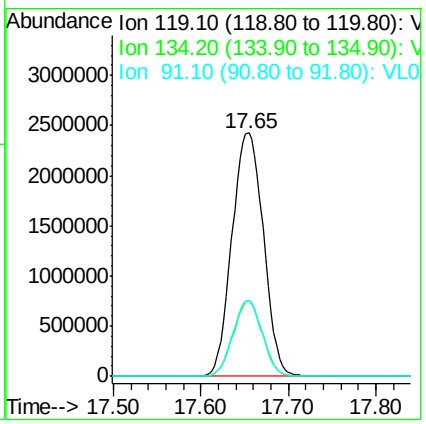


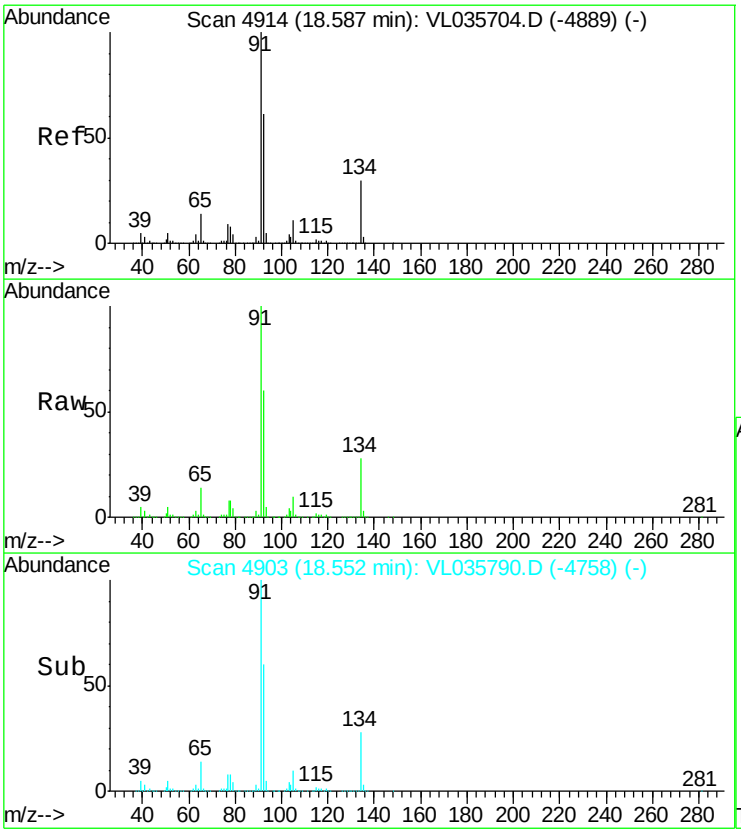
#69
p-Isopropyltoluene
Concen: 10.156 ppbv
RT: 17.65 min Scan# 4624
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 6048139

Ion	Ratio	Lower	Upper
119	100		
134	29.0	23.9	35.9
91	29.1	23.8	35.6

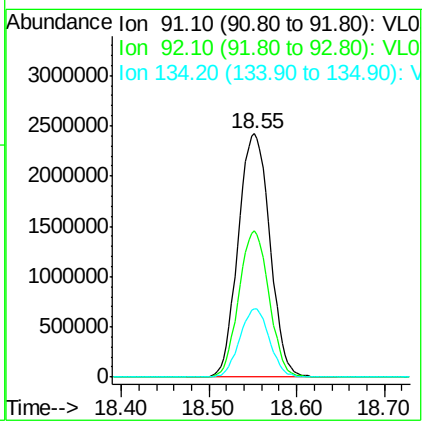


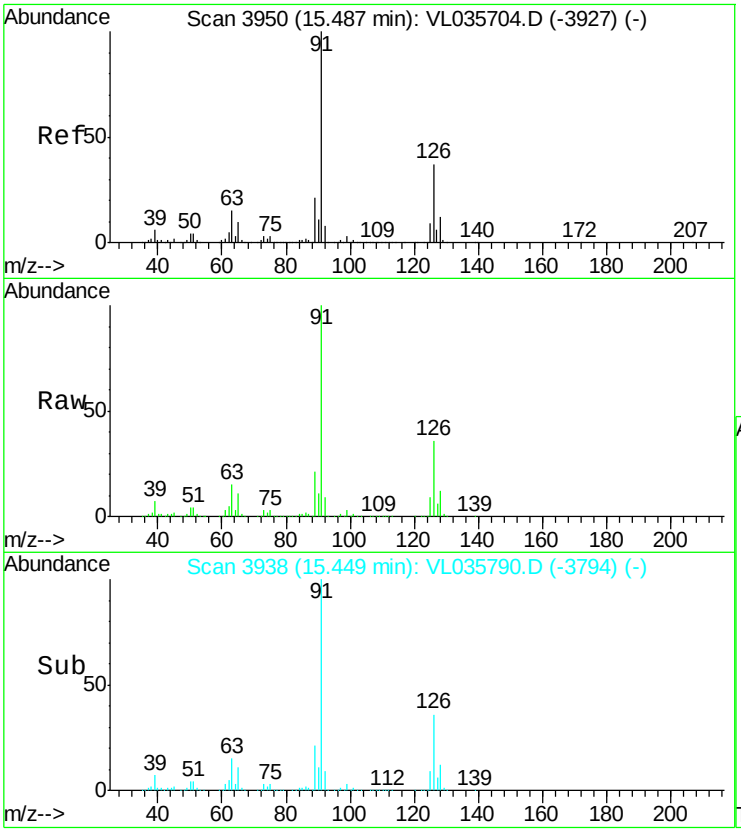


#70
n-Butylbenzene
Concen: 9.901 ppbv
RT: 18.55 min Scan# 4903
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 91 Resp: 6072160

Ion	Ratio	Lower	Upper
91	100		
92	57.4	47.0	70.4
134	26.3	21.9	32.9



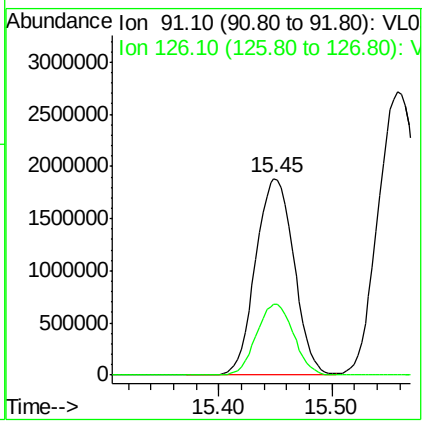


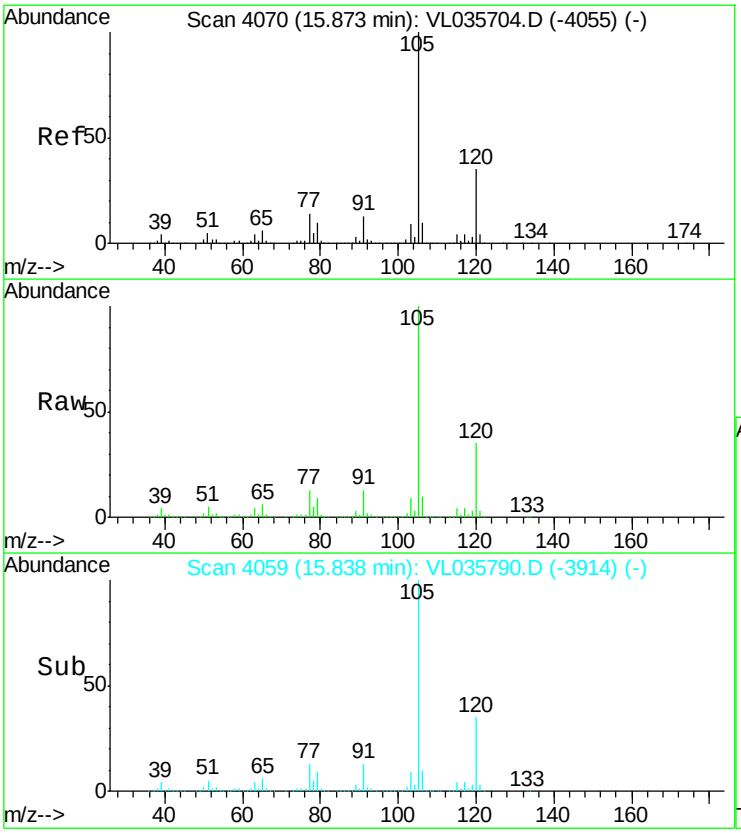
#71
2-Chlorotoluene
Concen: 10.408 ppbv
RT: 15.45 min Scan# 3938
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 4426067

Ion	Ratio	Lower	Upper
91	100		
126	35.0	14.4	57.4

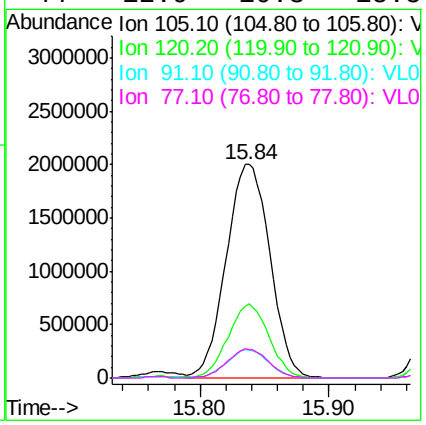


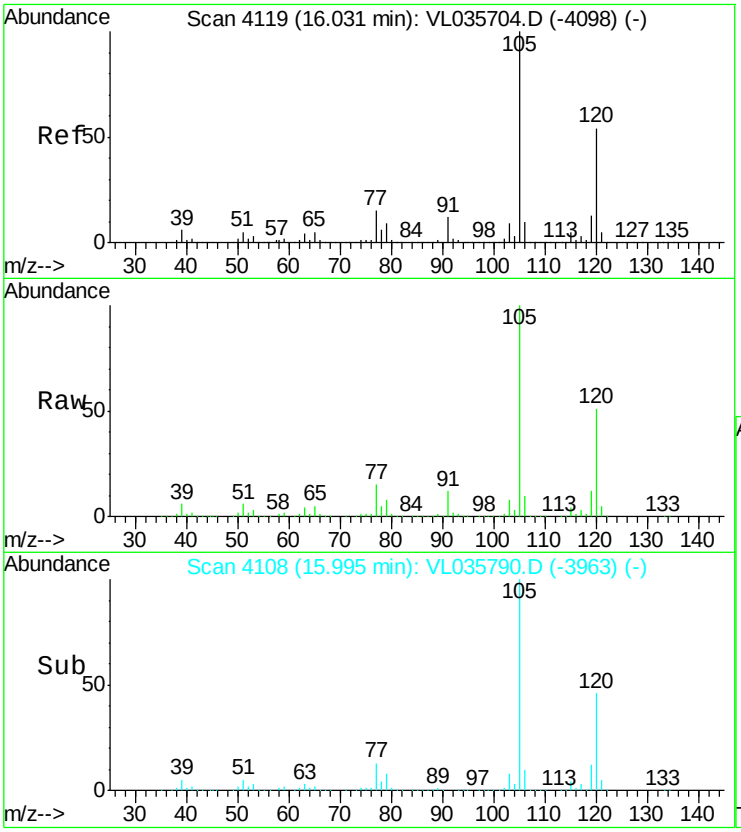


#72
4-Ethyltoluene
Concen: 10.576 ppbv
RT: 15.84 min Scan# 4059
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion:105 Resp: 4709307

Ion	Ratio	Lower	Upper
105	100		
120	32.5	26.5	39.7
91	12.6	10.2	15.2
77	12.9	10.3	15.5



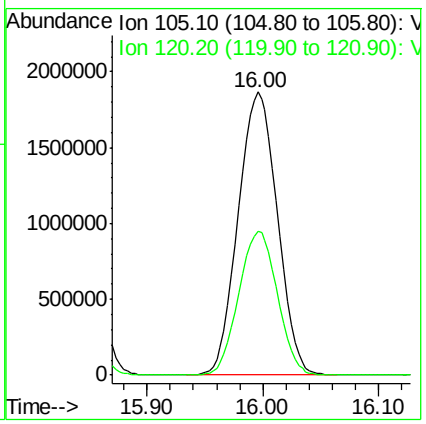


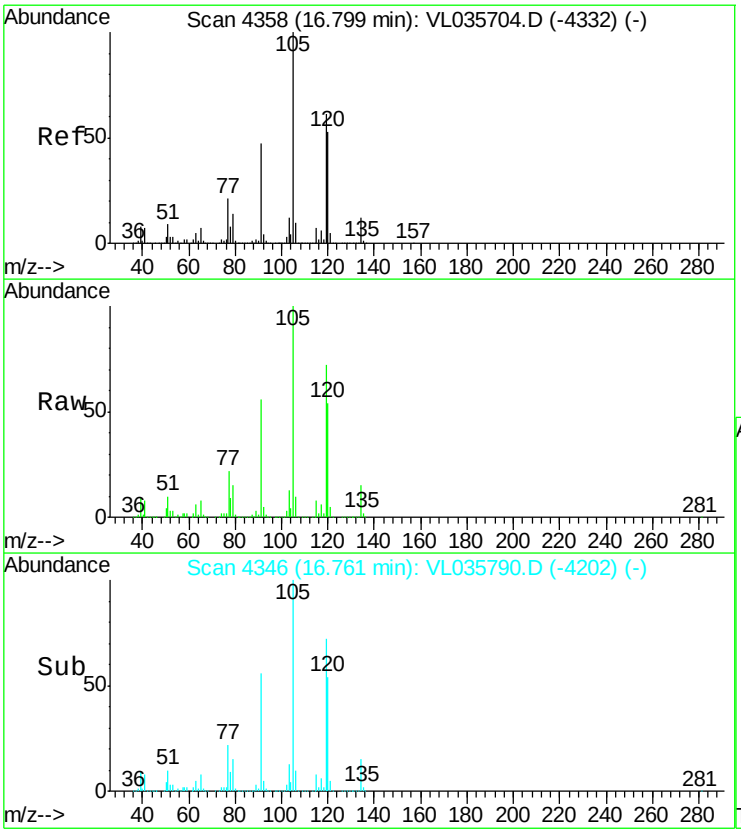
#73
1,3,5-Trimethylbenzene
Concen: 10.401 ppbv
RT: 16.00 min Scan# 4108
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 4376444

Ion	Ratio	Lower	Upper
105	100		
120	50.9	43.0	64.4

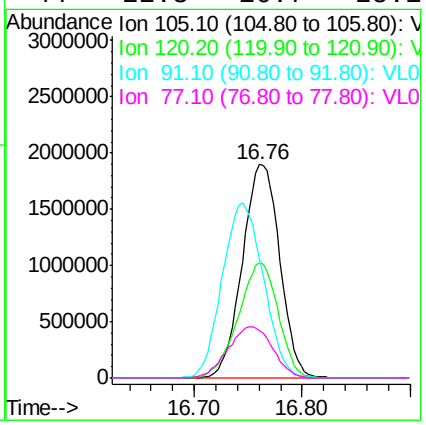


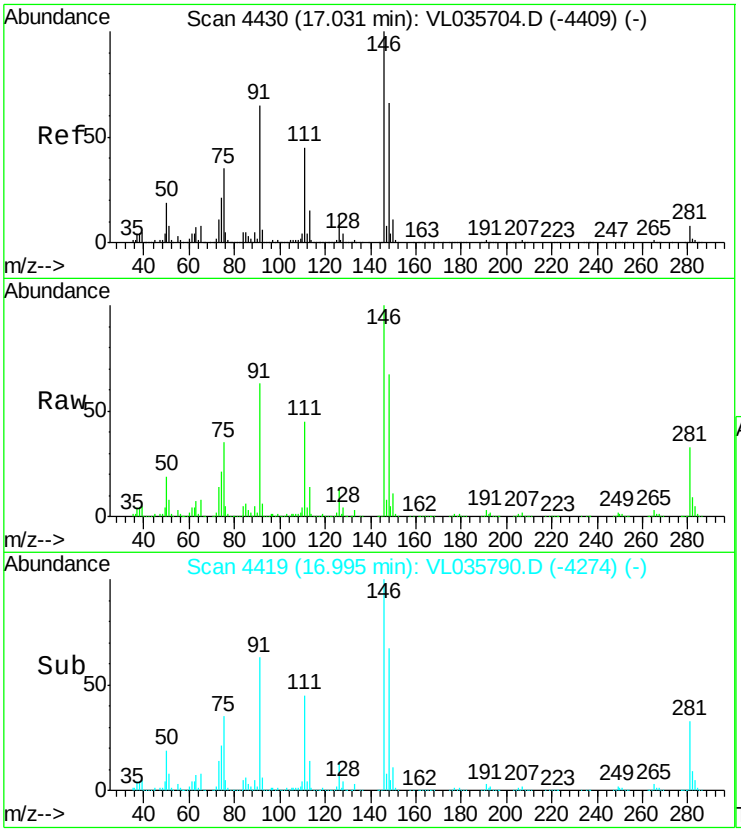


#74
1,2,4-Trimethylbenzene
Concen: 9.638 ppbv
RT: 16.76 min Scan# 4346
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion:105 Resp: 4571723

Ion	Ratio	Lower	Upper
105	100		
120	53.8	42.5	63.7
91	55.9	37.7	56.5
77	22.3	16.7	25.1



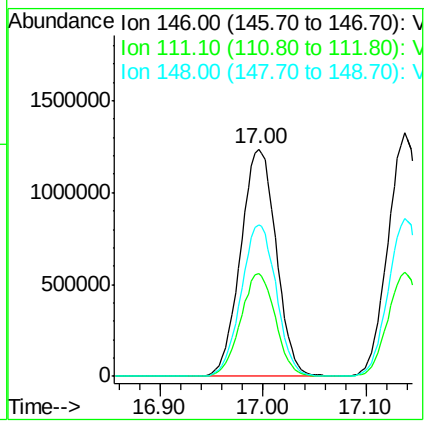


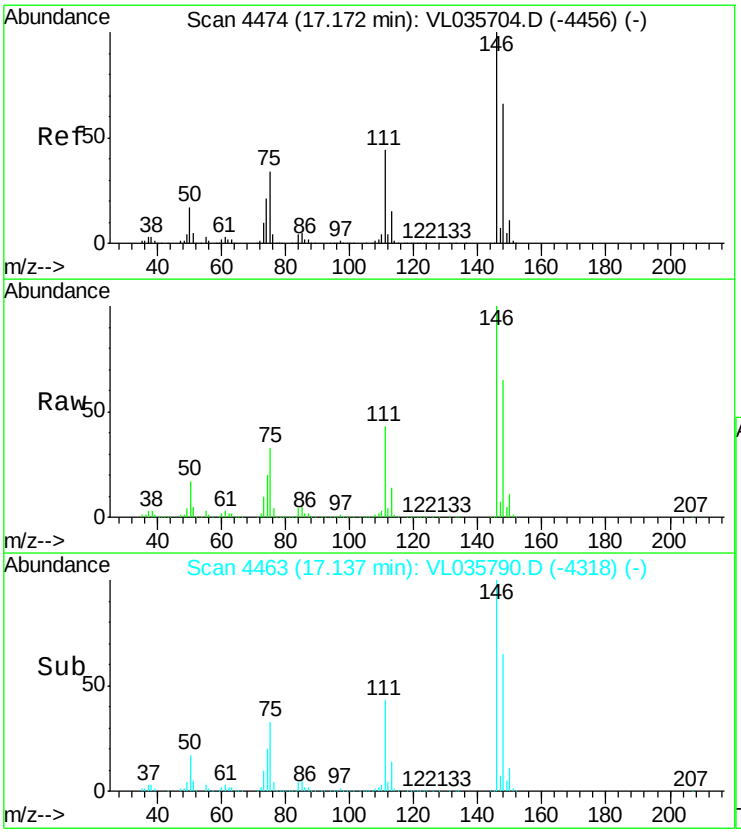
#75
1,3-Dichlorobenzene
Concen: 9.158 ppbv
RT: 17.00 min Scan# 4419
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 2965799

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.4	67.0
148	65.6	33.0	99.0

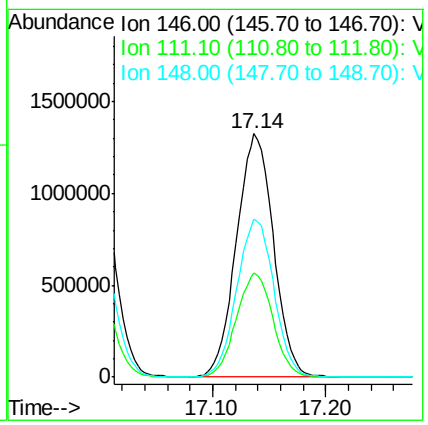


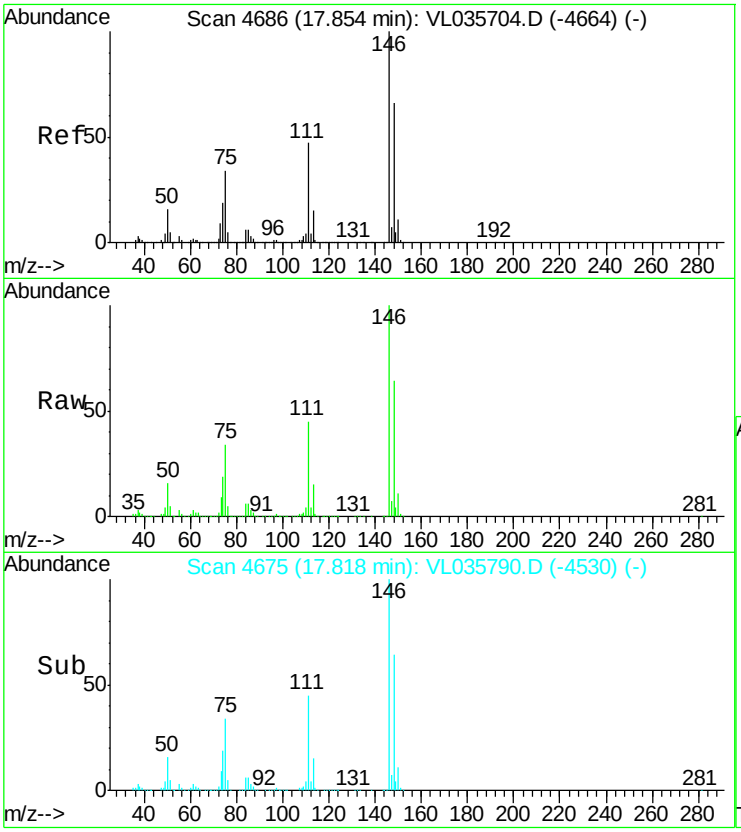


#76
1,4-Dichlorobenzene
Concen: 9.713 ppbv
RT: 17.14 min Scan# 4463
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion:146 Resp: 3006649

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.4	64.3
148	65.5	32.6	98.0



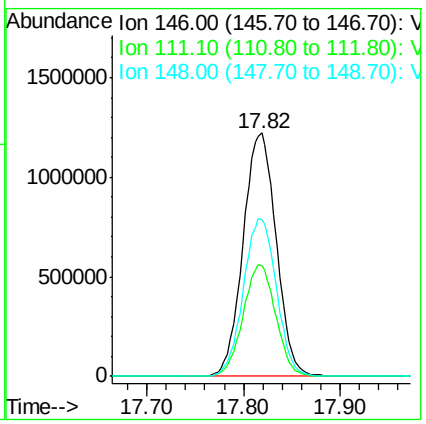


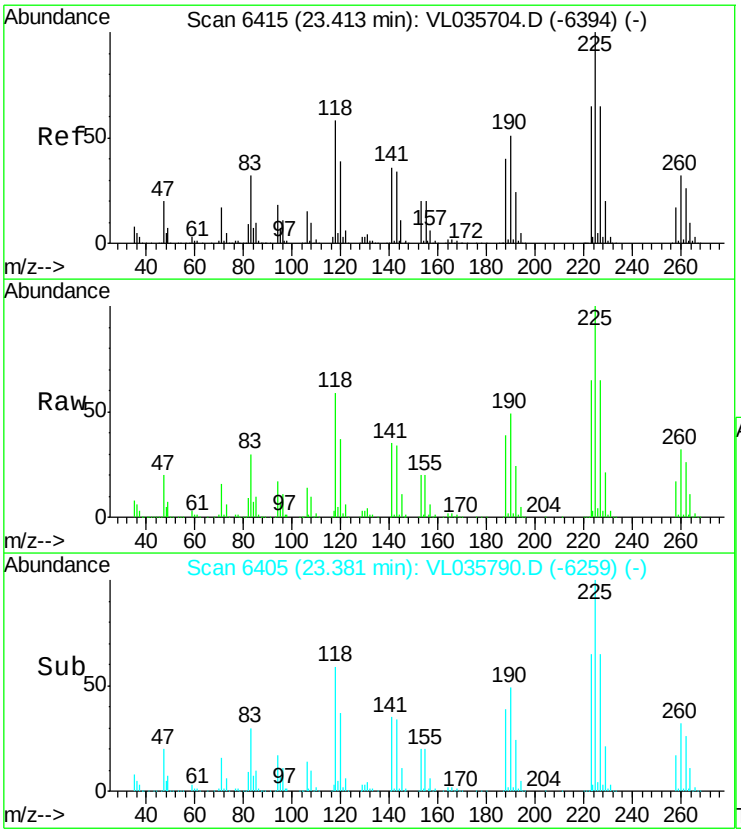
#77
1,2-Dichlorobenzene
Concen: 9.477 ppbv
RT: 17.82 min Scan# 4675
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:146 Resp: 2898877

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.9	68.5
148	65.0	32.6	98.0

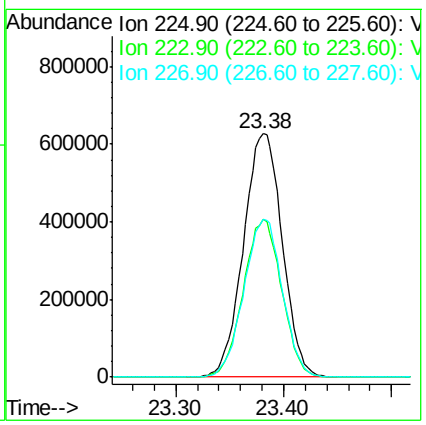


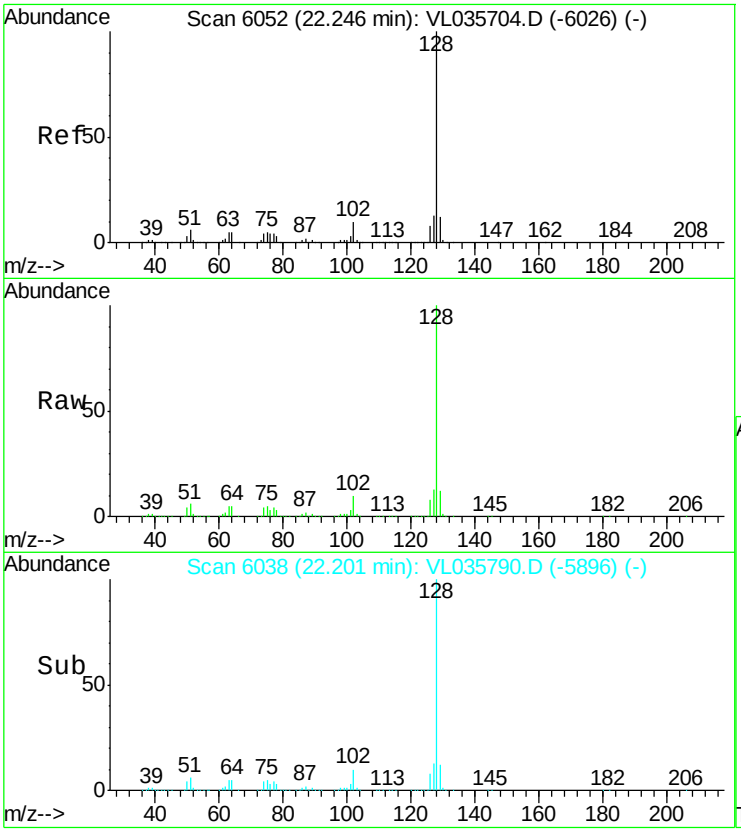


#78
Hexachloro-1,3-Butadiene
Concen: 9.298 ppbv
RT: 23.38 min Scan# 6405
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion:225 Resp: 1569018

Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.3	76.9
227	64.2	51.6	77.4



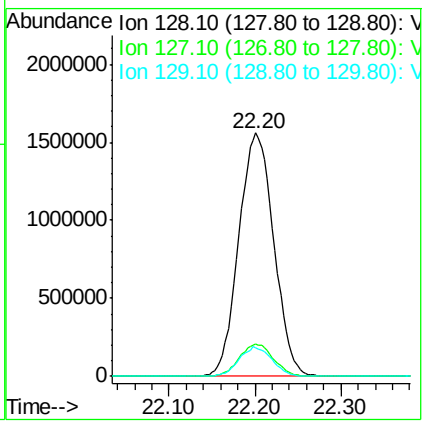


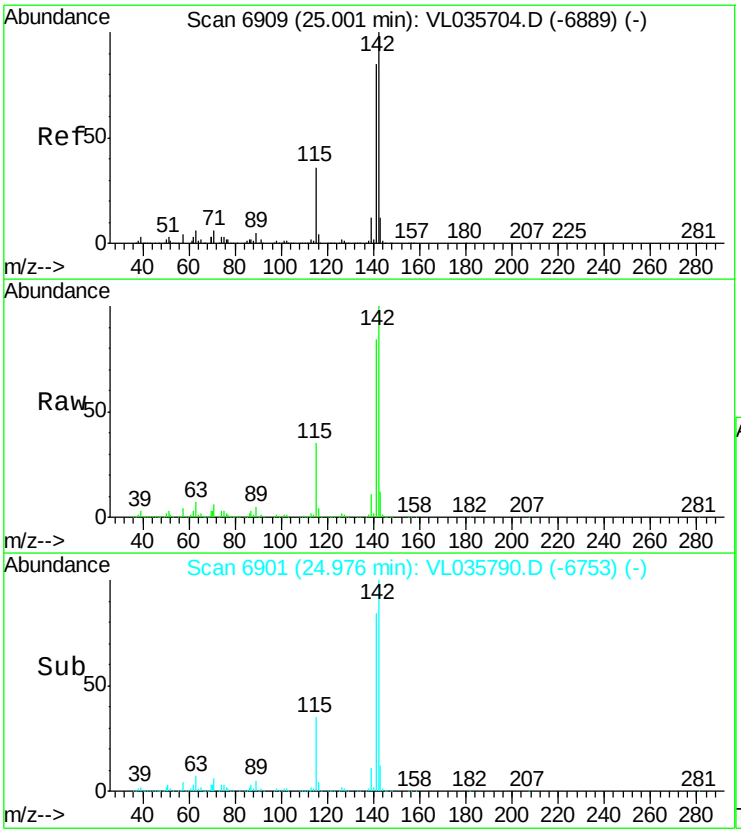
#79
Naphthalene
Concen: 9.749 ppbv
RT: 22.20 min Scan# 6038
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 4410815

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.5	9.4	14.0

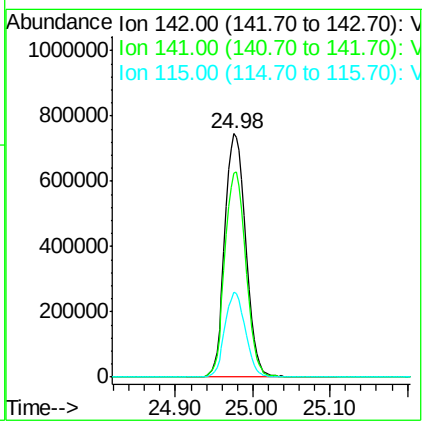


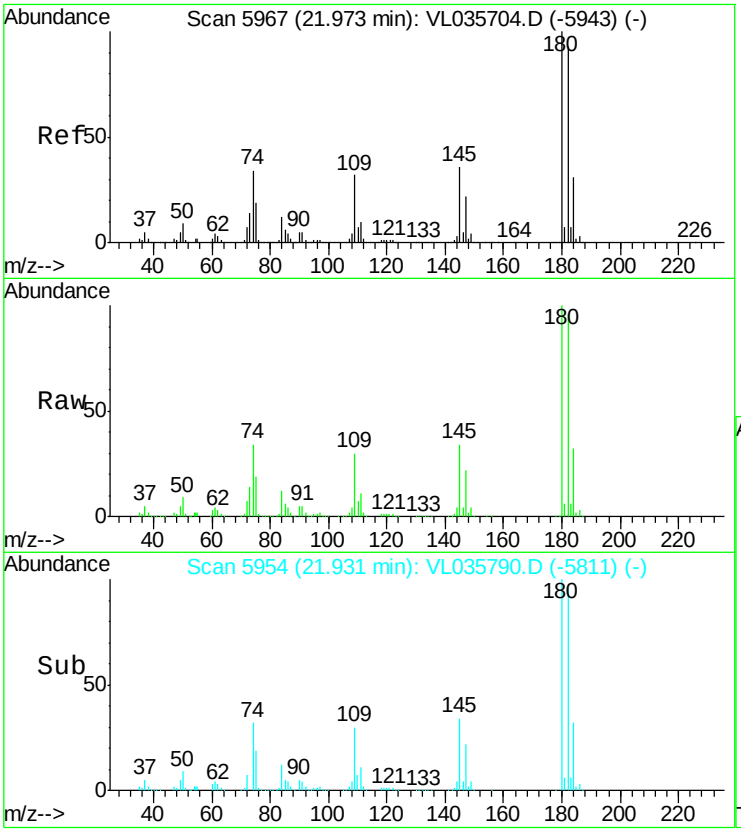


#80
Naphthalene,2-methyl-
Concen: 13.120 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion:142 Resp: 1400039

Ion	Ratio	Lower	Upper
142	100		
141	84.4	68.2	102.4
115	34.0	27.8	41.6





#81
1,2,4-Trichlorobenzene
Concen: 9.505 ppbv
RT: 21.93 min Scan# 5954
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 2228582

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.2	114.2
184	31.0	24.6	37.0