Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032921\
Data File : VL036557.D
Acq On : 30 Mar 2021 3:02
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 30 06:45:28 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1501098	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3544910	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	4121965	10.00	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2838220	8.64	ppbv	-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 86.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	2163756	8.838	ppbv	99
3) Chlorodifluoromethane	2.97	51	2508370	8.944	ppbv	100
4) Chloromethane	3.12	50	840499	8.484	ppbv	94
5) Vinyl Chloride	3.24	62	860649	8.449	ppbv	95
6) Bromomethane	3.46	94	474325	8.458	ppbv	99
7) Chloroethane	3.54	64	307093	8.774	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	1995480	8.540	ppbv	100
9) Propene	3.00	41	735824	8.230	ppbv	99
10) Heptane	8.10	43	2023766	8.885	ppbv	99
11) Trichlorofluoromethane	3.93	101	2154867	8.636	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1396525	8.754	ppbv	97
13) Ethanol	3.59	45	67298	6.321	ppbv	96
14) Bromoethene	3.72	108	589453	8.888	ppbv	98
15) Acetone	3.83	43	1264877	8.561	ppbv	99
16) 1,3-Butadiene	3.31	39	896816	8.719	ppbv	99
17) tert-Butyl alcohol	4.28	59	923231	7.178	ppbv	99
18) 1,1-Dichloroethene	4.27	96	589496	8.308	ppbv	91
19) Isopropyl Alcohol	3.95	45	497017	6.115	ppbv	99
20) Methylene Chloride	4.33	84	543512	7.857	ppbv	97
21) Allyl Chloride	4.39	41	967095	8.211	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	560140	8.514	ppbv	91
23) Vinyl Acetate	5.05	43	2187441	8.656	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1617696	8.782	ppbv	100
25) Ethyl Acetate	5.66	43	2916725	8.304	ppbv	99
26) Hexane	5.67	57	1393347	8.548	ppbv	98
27) Carbon Disulfide	4.53	76	1465701	9.128	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1541460	8.019	ppbv	99
29) Chloroform	5.74	83	2252807	8.642	ppbv	98
30) Cyclohexane	7.11	84	1159375	8.770	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1361074	8.633	ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	2255537	8.585	ppbv	100
34) 2-Butanone	5.23	43	1355499	7.834	ppbv	98
35) Carbon Tetrachloride	7.00	117	2366175	8.690	ppbv	98
36) Benzene	6.87	78	2892622	8.848	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1690297	8.784	ppbv	100
38) Trichloroethene	7.82	130	1028075	8.080	ppbv	97
39) 1,2-Dichloropropane	7.59	63	1156527	8.721	ppbv	98
40) 1,4-Dioxane	7.82	88	176873	5.730	ppbv #	1
41) Tetrahydrofuran	6.03	42	585653	7.340	ppbv	98
42) Bromodichloromethane	7.77	83	2413892	9.223	ppbv	98
43) Methyl Methacrylate	8.00	69	1103068	10.048	ppbv	97

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032921\
Data File : VL036557.D
Acq On : 30 Mar 2021 3:02
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 30 06:45:28 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4981543	8.657	ppbv		100
45) t-1,3-Dichloropropene	9.26	75	971653	7.751	ppbv		100
46) cis-1,3-Dichloropropene	8.68	75	1263538	7.885	ppbv		100
47) 1,1,2-Trichloroethane	9.46	97	1192553	8.878	ppbv		96
48) Dibromochloromethane	10.28	129	1913943	9.347	ppbv		100
49) Bromoform	13.02	173	1598451	9.688	ppbv		99
50) 4-Methyl-2-Pentanone	8.72	43	2154571	8.605	ppbv		98
51) 2-Hexanone	10.12	43	1126224	8.913	ppbv	#	100
52) Tetrachloroethene	11.20	164	982738	8.163	ppbv		96
53) Toluene	9.78	91	3235200	9.292	ppbv		100
54) 1,2-Dibromoethane	10.59	107	1689356	8.905	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1361606	7.303	ppbv	#	57
57) Chlorobenzene	12.13	112	2392240	6.821	ppbv		99
58) Ethyl Benzene	12.69	91	4407917	7.350	ppbv		100
59) m/p-Xylene	12.98	91	4151486	7.937	ppbv	#	45
60) o-Xylene	13.67	91	3594492	7.107	ppbv		99
61) Styrene	13.51	104	1917129	7.535	ppbv		100
62) Isopropylbenzene	14.65	105	4888846	7.178	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2619064	6.789	ppbv		99
64) n-propylbenzene	15.54	120	1290614	7.751	ppbv		98
65) tert-Butylbenzene	16.73	119	4249837	7.196	ppbv		99
66) Benzyl Chloride	16.97	91	489829	7.504	ppbv		100
67) sec-Butylbenzene	17.28	105	6011845	7.212	ppbv		100
69) p-Isopropyltoluene	17.64	119	4951740	7.606	ppbv		100
70) n-Butylbenzene	18.53	91	5153999	7.636	ppbv		99
71) 2-Chlorotoluene	15.43	91	3851583	7.547	ppbv		99
72) 4-Ethyltoluene	15.82	105	4225144	7.624	ppbv		99
73) 1,3,5-Trimethylbenzene	15.98	105	3737836	7.227	ppbv		100
74) 1,2,4-Trimethylbenzene	16.74	105	3918348	7.079	ppbv		97
75) 1,3-Dichlorobenzene	16.98	146	2244523	7.204	ppbv		99
76) 1,4-Dichlorobenzene	17.12	146	2171655	7.020	ppbv		99
77) 1,2-Dichlorobenzene	17.80	146	2143320	7.319	ppbv		99
78) Hexachloro-1,3-Butadiene	23.36	225	1657086	6.318	ppbv		99
79) Naphthalene	22.18	128	2477900	7.672	ppbv		99
80) Naphthalene,2-methyl-	24.97	142	328359	5.155	ppbv		99
81) 1,2,4-Trichlorobenzene	21.90	180	1532993	7.687	ppbv		98

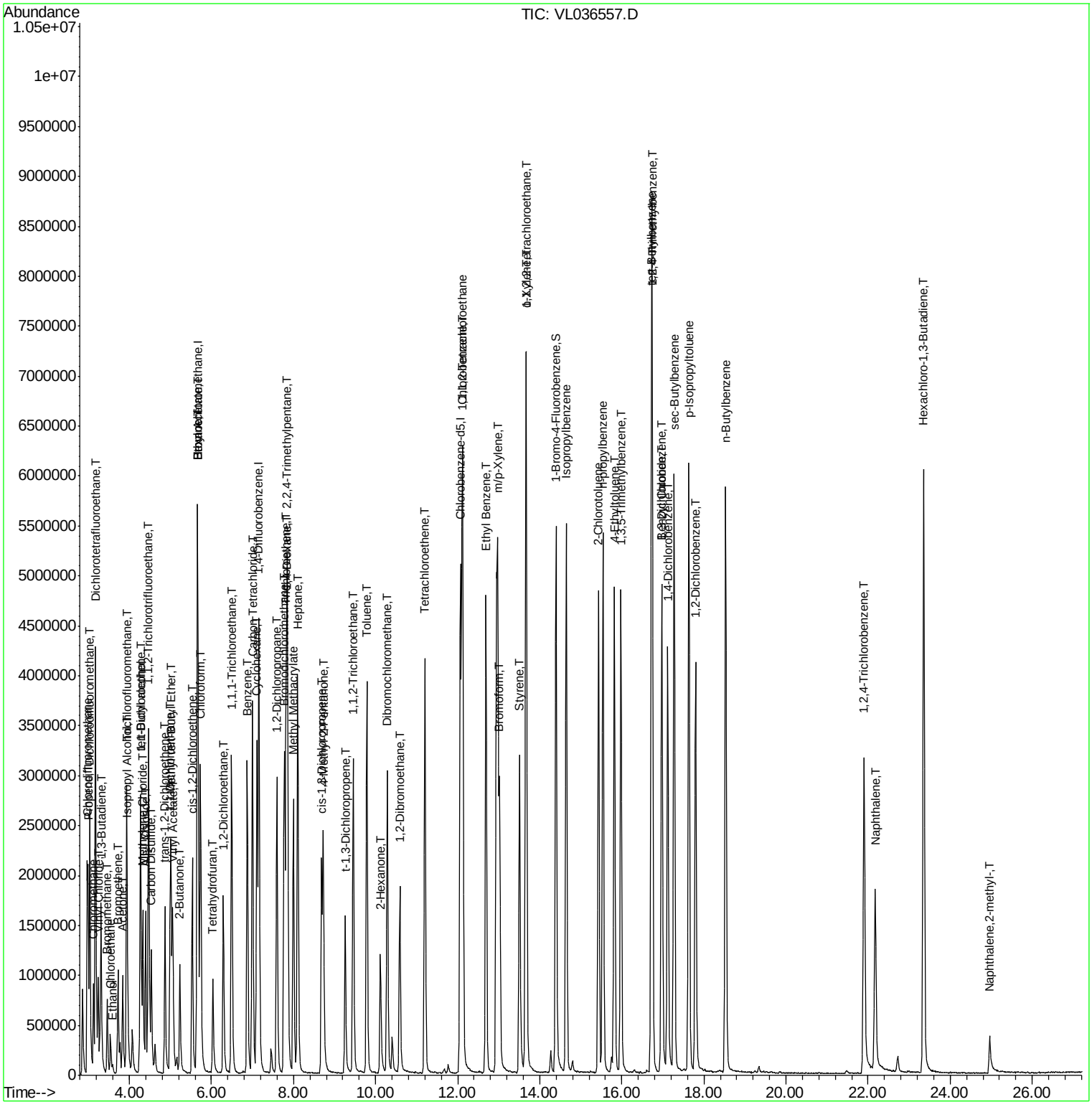
(#) = qualifier out of range (m) = manual integration (+) = signals summed

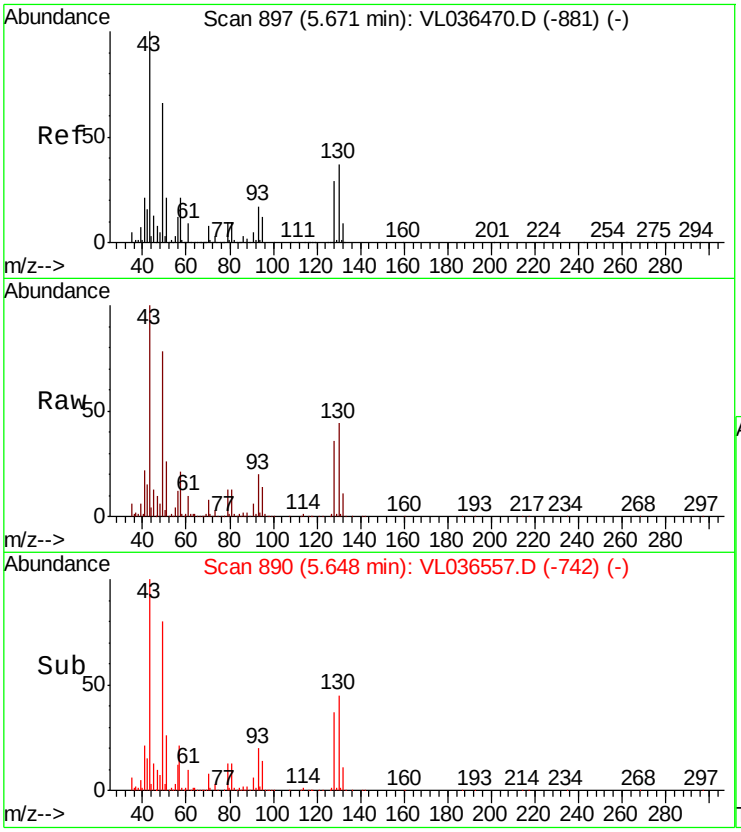
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032921\
Data File : VL036557.D
Acq On : 30 Mar 2021 3:02
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 30 06:45:28 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration



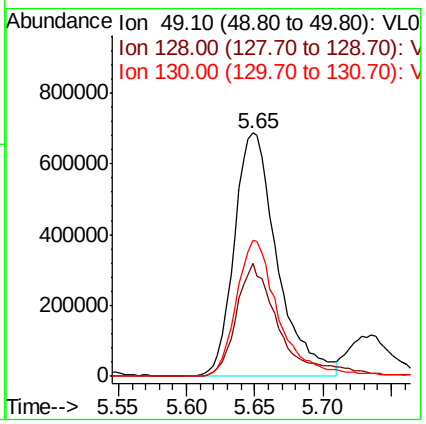


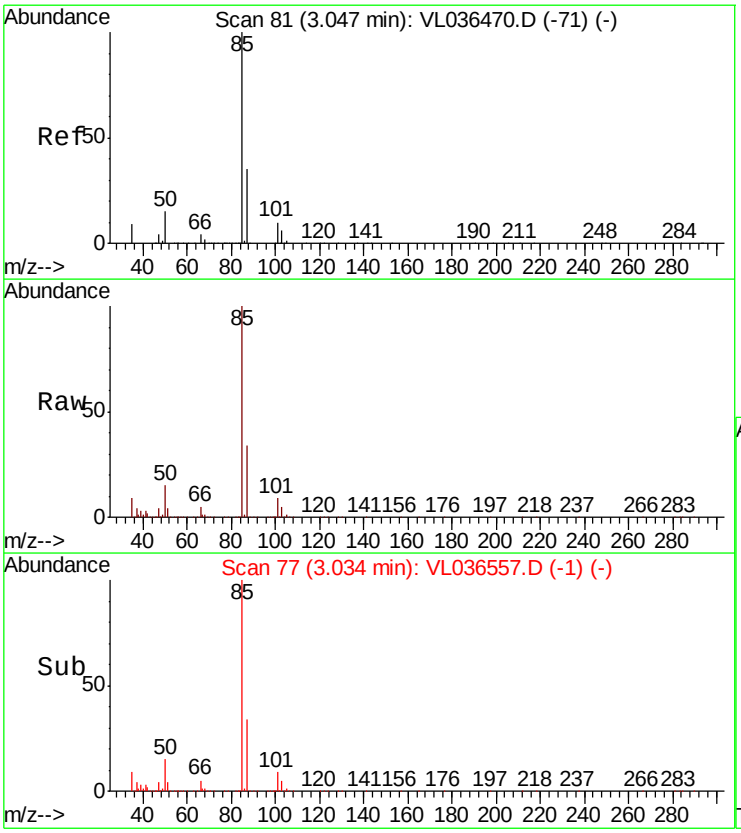
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1501098

Ion	Ratio	Lower	Upper
49	100		
128	47.2	23.5	70.6
130	55.8	29.1	87.4

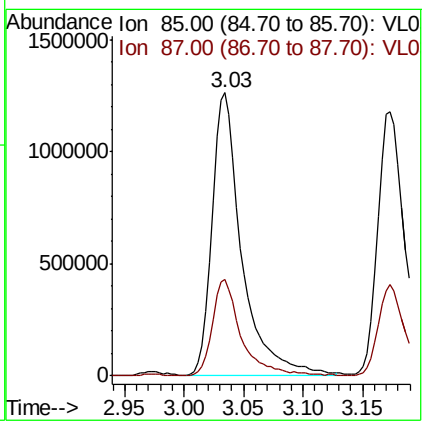


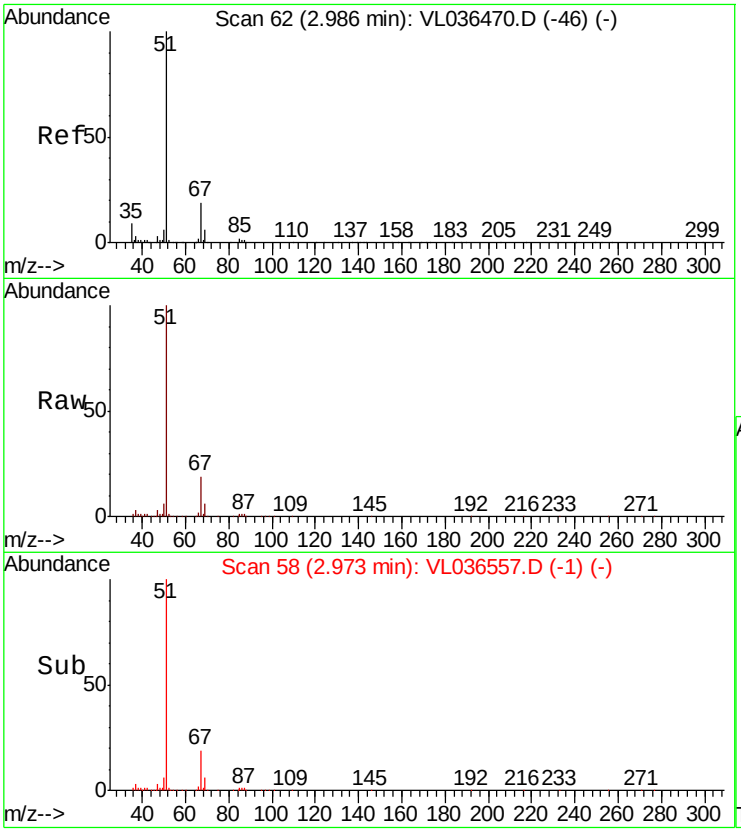


#2
Dichlorodifluoromethane
Concen: 8.838 ppbv
RT: 3.03 min Scan# 77
Delta R.T. -0.01 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 85 Resp: 2163756

Ion	Ratio	Lower	Upper
85	100		
87	34.1	27.8	41.8



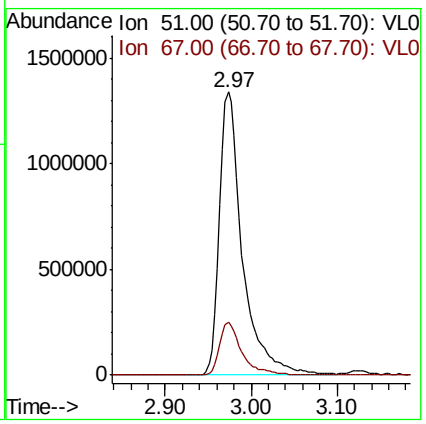


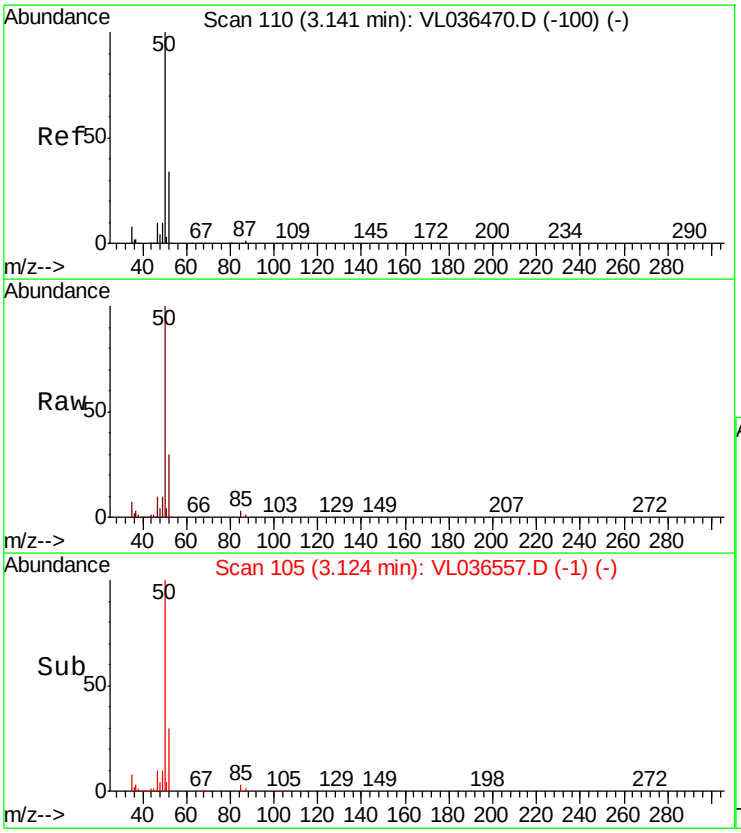
#3
Chlorodifluoromethane
Concen: 8.944 ppbv
RT: 2.97 min Scan# 58
Delta R.T. -0.01 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 2508370

Ion	Ratio	Lower	Upper
51	100		
67	18.5	14.7	22.1

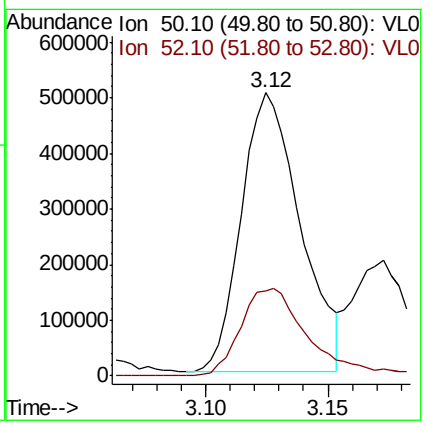


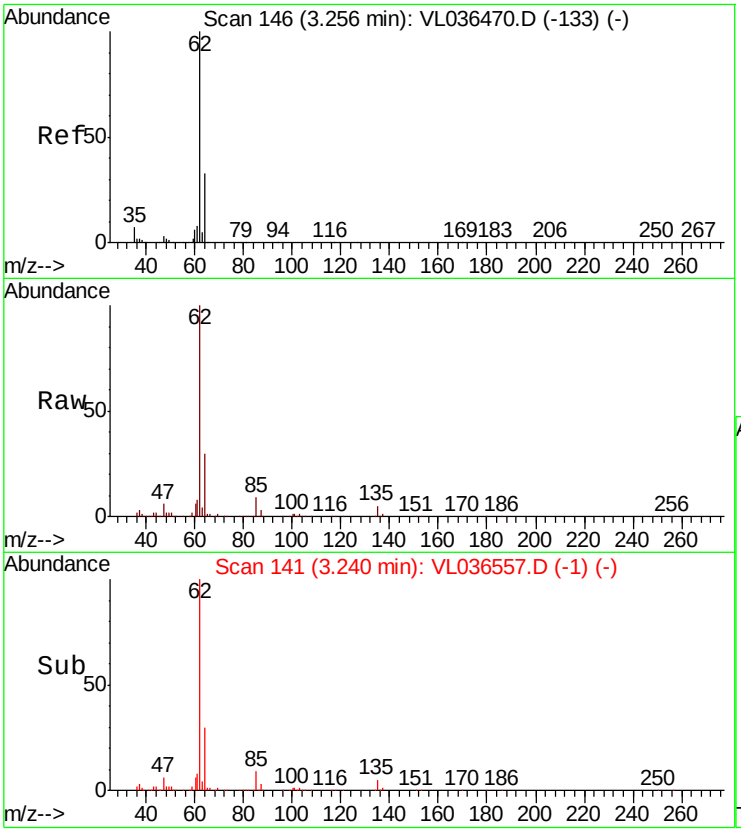


#4
Chloromethane
Concen: 8.484 ppbv
RT: 3.12 min Scan# 105
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 50 Resp: 840499

Ion	Ratio	Lower	Upper
50	100		
52	30.4	27.0	40.6



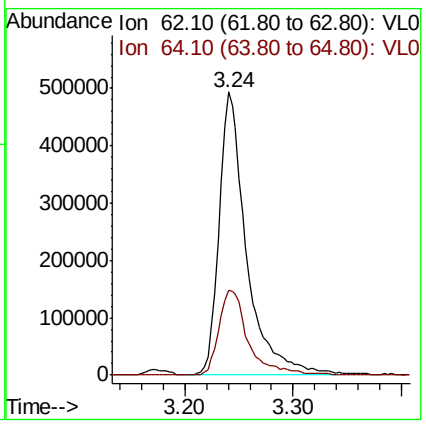


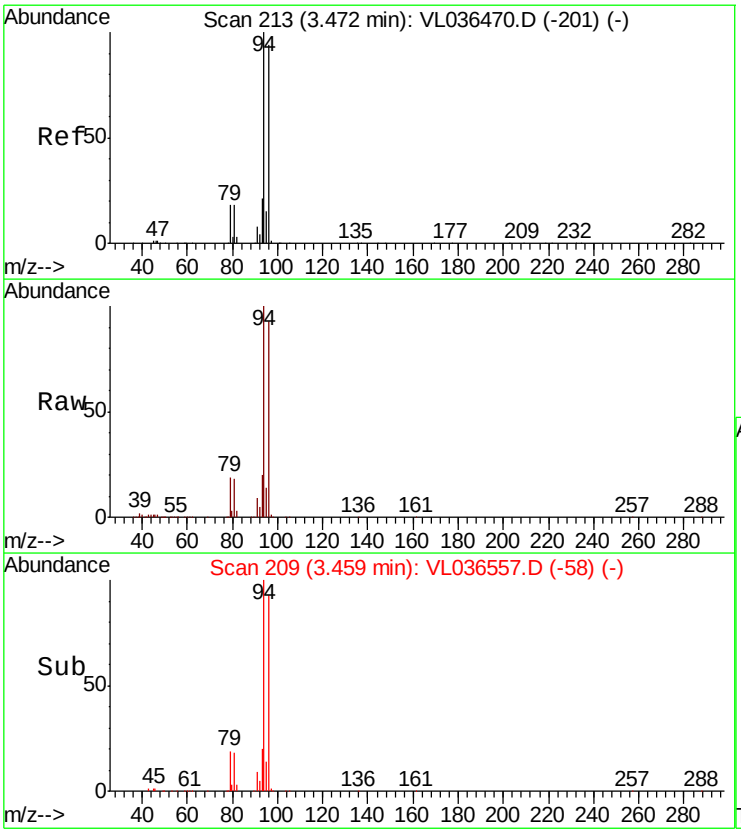
#5
Vinyl Chloride
Concen: 8.449 ppbv
RT: 3.24 min Scan# 141
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 860649

Ion	Ratio	Lower	Upper
62	100		
64	30.2	26.4	39.6

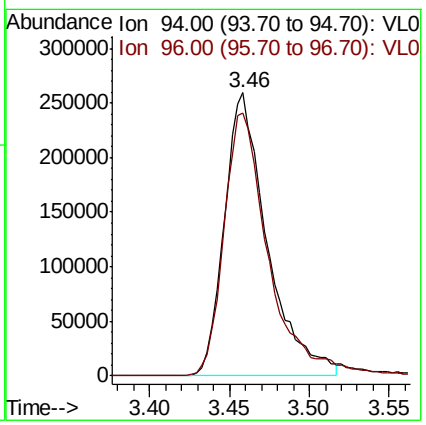


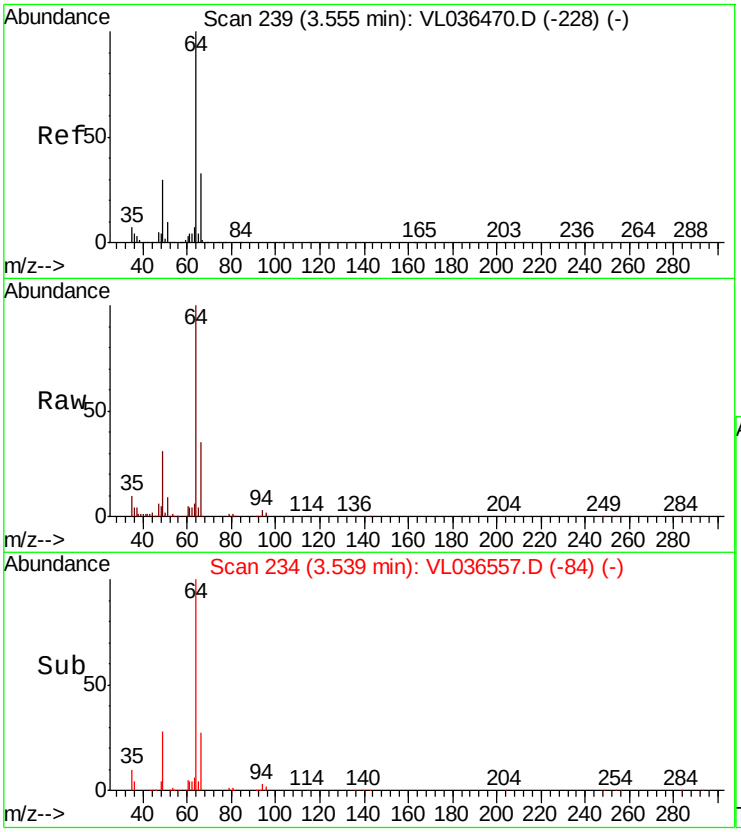


#6
Bromomethane
Concen: 8.458 ppbv
RT: 3.46 min Scan# 209
Delta R.T. -0.01 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 94 Resp: 474325

Ion	Ratio	Lower	Upper
94	100		
96	92.8	74.9	112.3



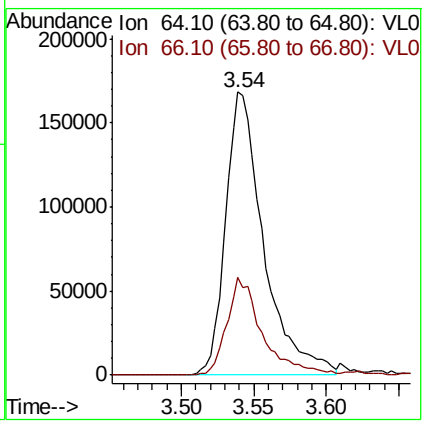


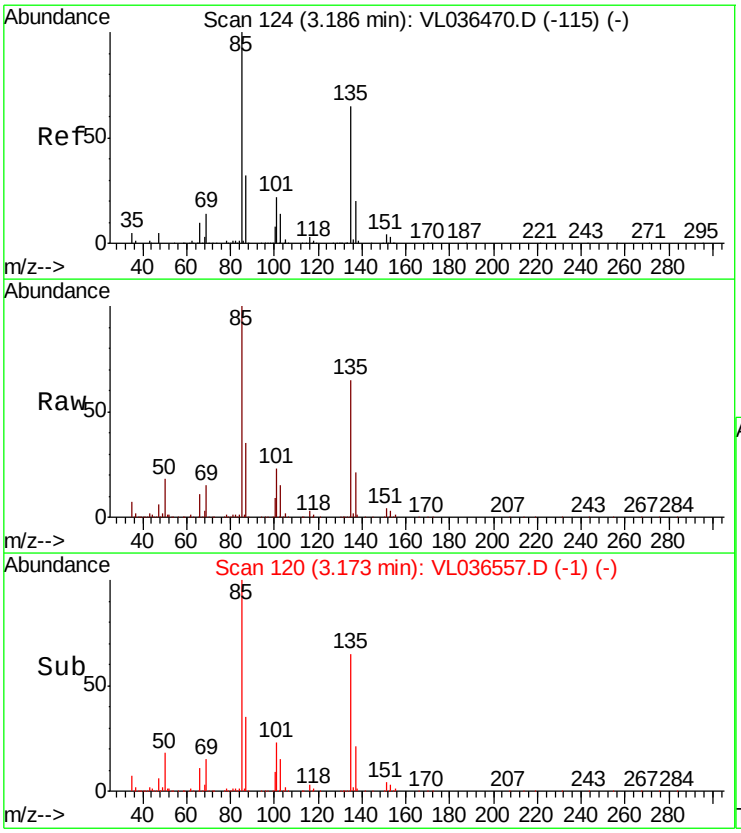
#7
Chloroethane
Concen: 8.774 ppbv
RT: 3.54 min Scan# 234
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 307093

Ion	Ratio	Lower	Upper
64	100		
66	34.6	26.2	39.2

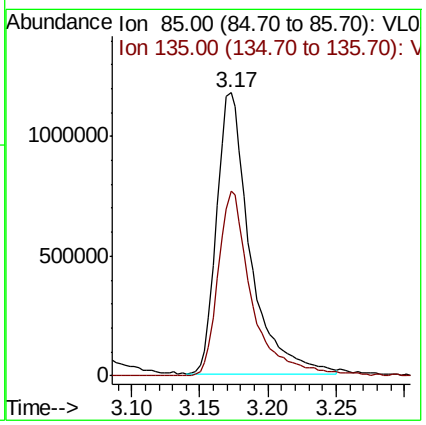


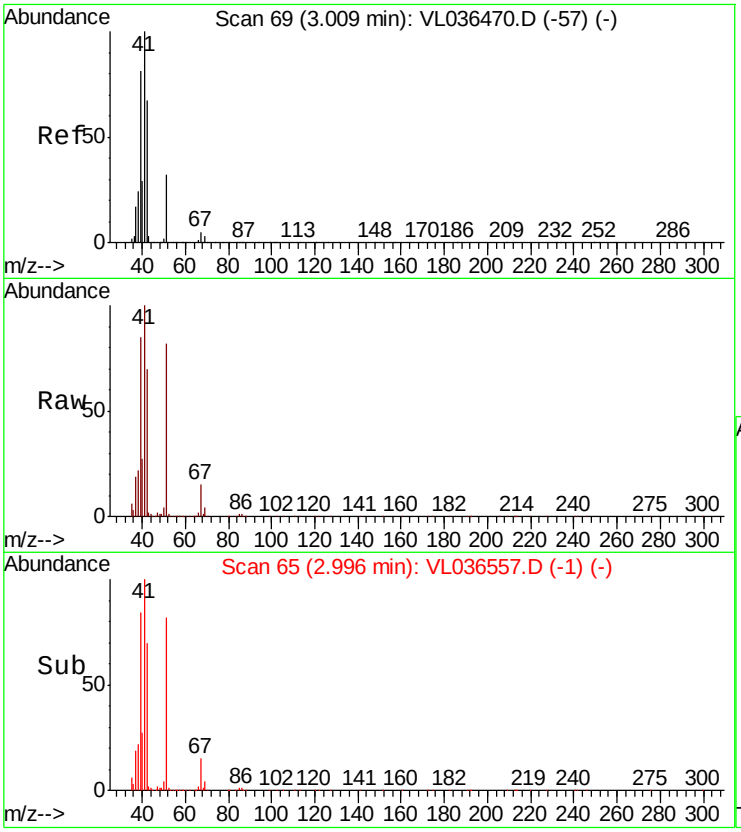


#8
Dichlorotetrafluoroethane
Concen: 8.540 ppbv
RT: 3.17 min Scan# 120
Delta R.T. -0.01 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 85 Resp: 1995480

Ion	Ratio	Lower	Upper
85	100		
135	67.5	54.3	81.5



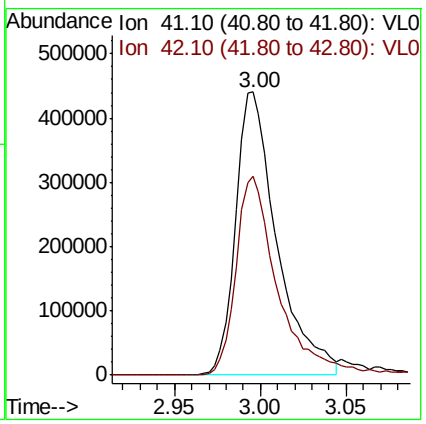


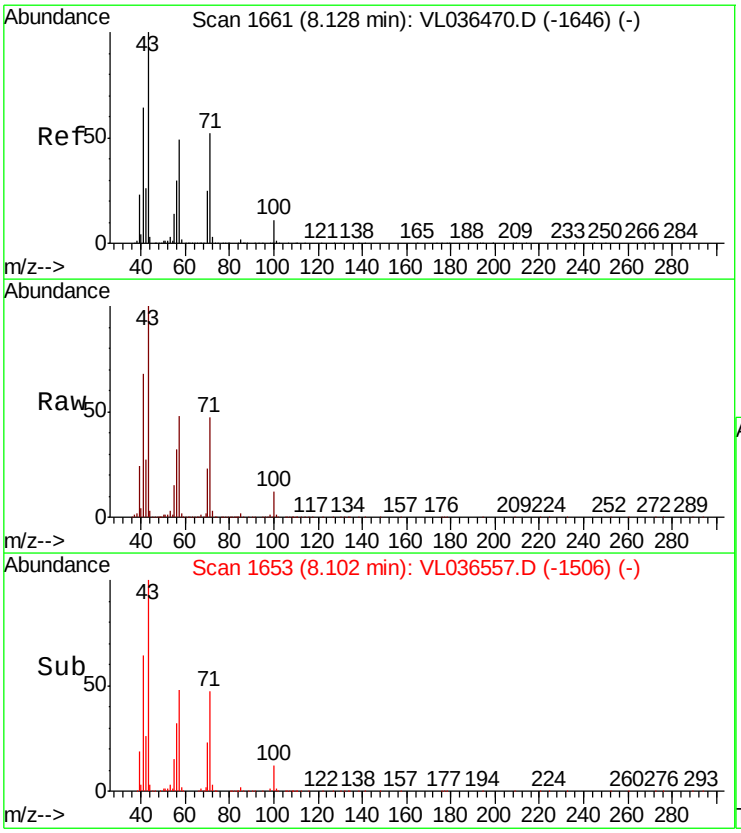
#9
Propene
Concen: 8.230 ppbv
RT: 3.00 min Scan# 65
Delta R.T. -0.01 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 735824

Ion	Ratio	Lower	Upper
41	100		
42	72.1	57.0	85.4

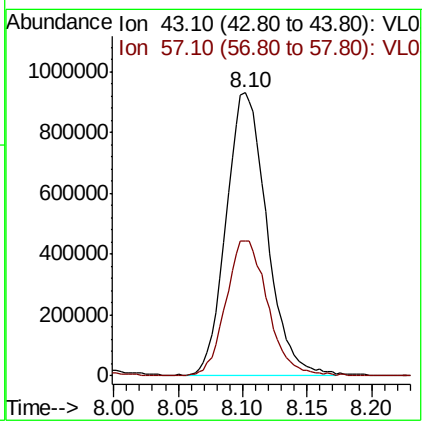


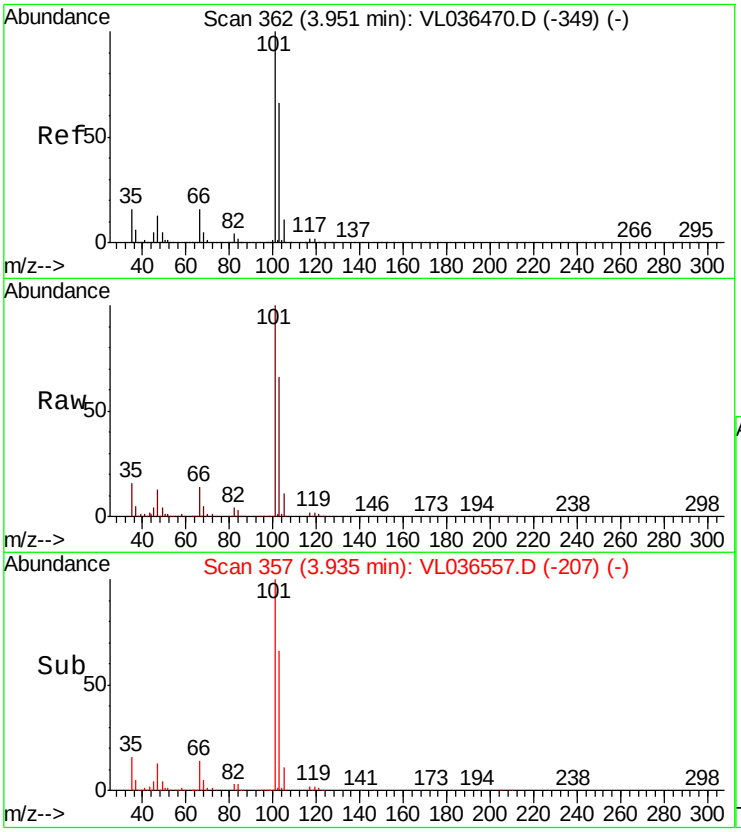


#10
Heptane
Concen: 8.885 ppbv
RT: 8.10 min Scan# 1653
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 43 Resp: 2023766

Ion	Ratio	Lower	Upper
43	100		
57	49.6	39.0	58.6



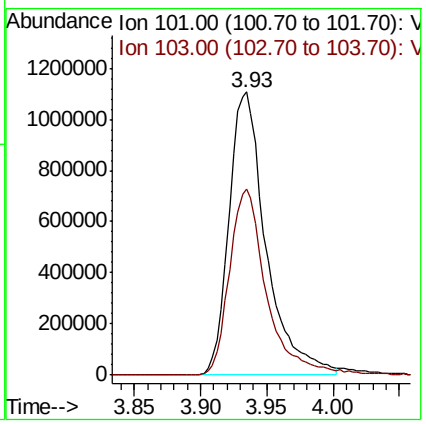


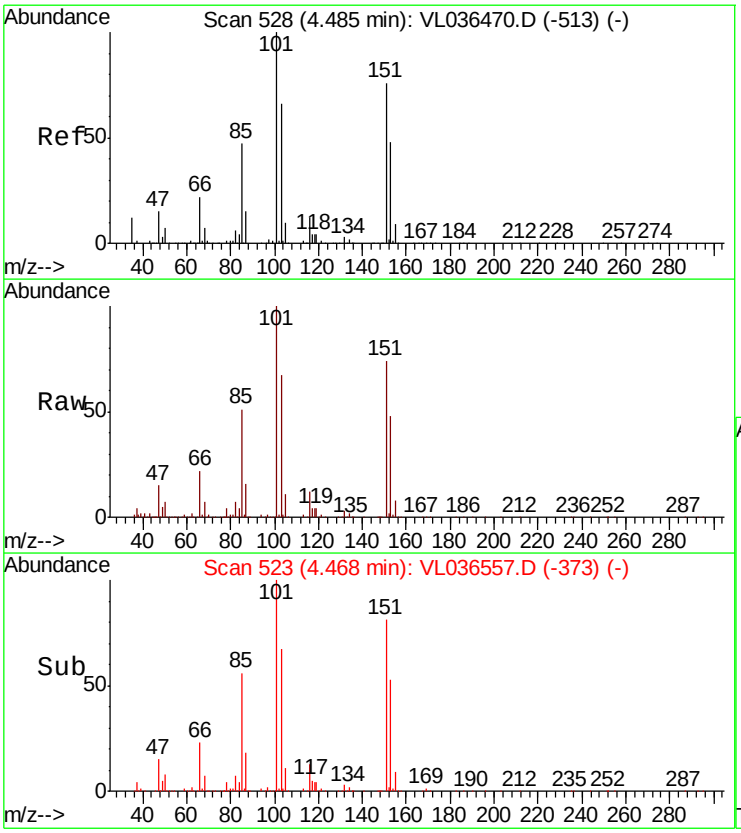
#11
Trichlorofluoromethane
Concen: 8.636 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 2154867

Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.5	78.7

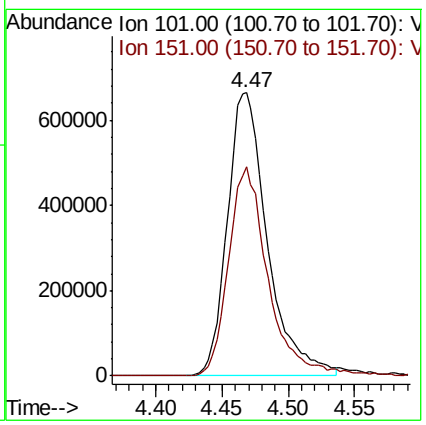


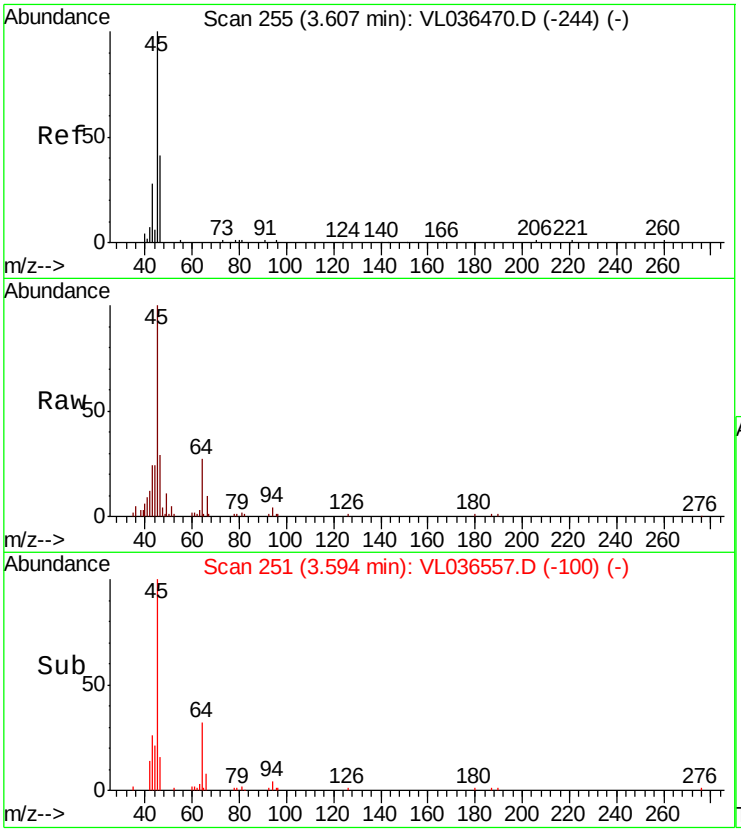


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.754 ppbv
RT: 4.47 min Scan# 523
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion:101 Resp: 1396525

Ion	Ratio	Lower	Upper
101	100		
151	73.7	60.9	91.3



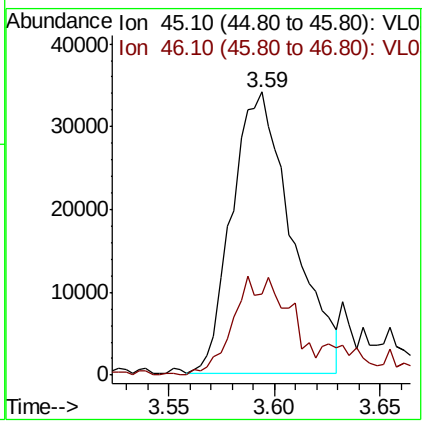


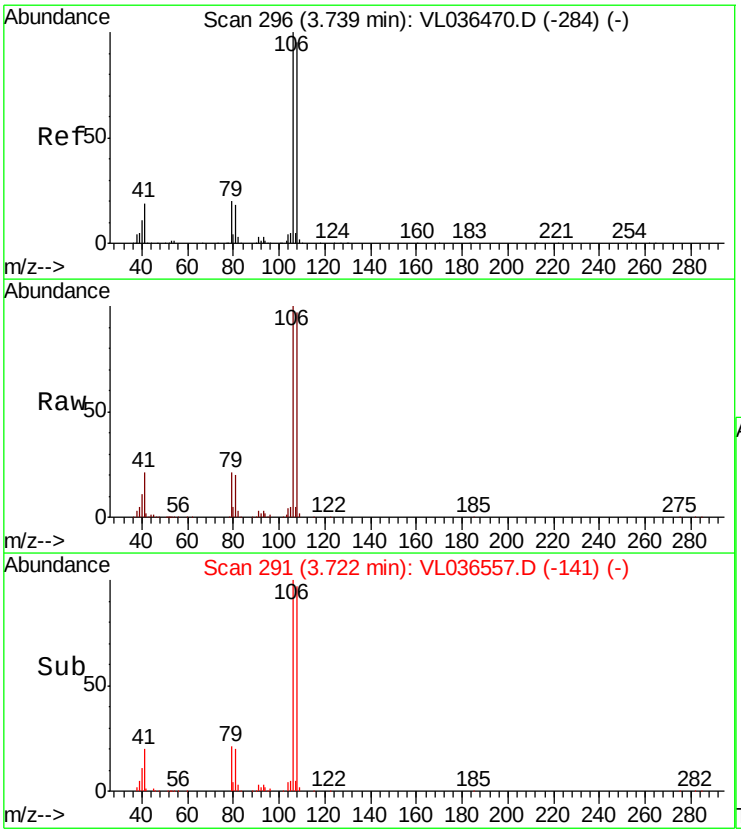
#13
Ethanol
Concen: 6.321 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 67298

Ion	Ratio	Lower	Upper
45	100		
46	43.6	16.6	66.2

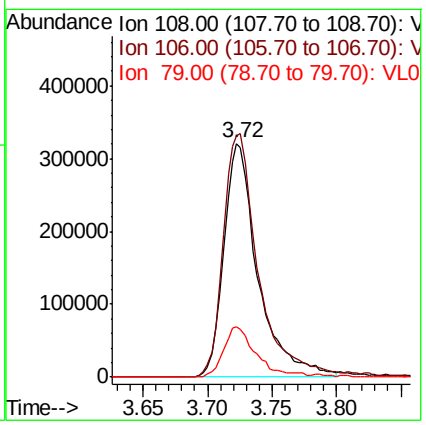


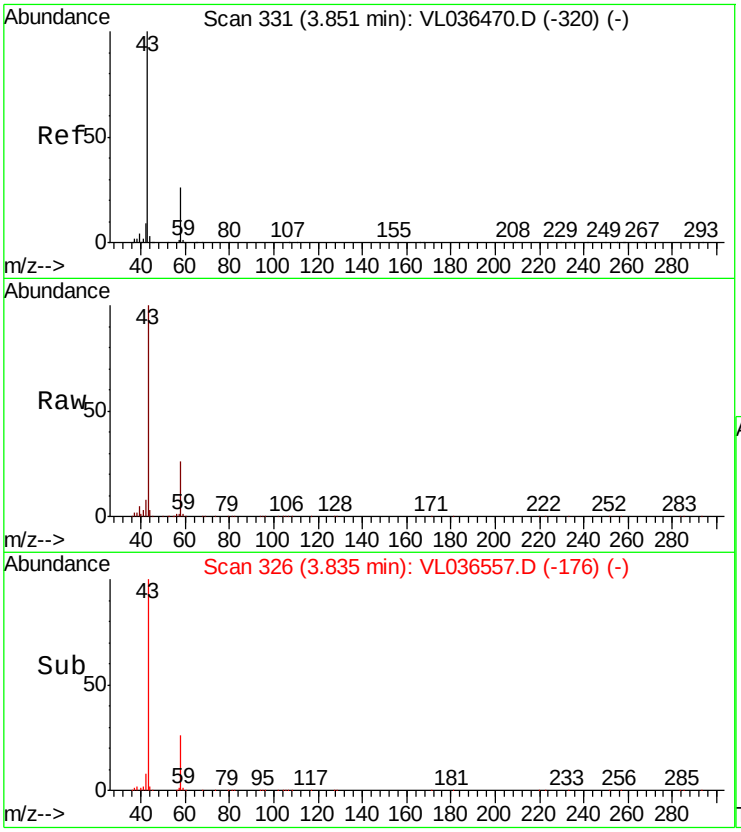


#14
Bromoethene
Concen: 8.888 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion:108 Resp: 589453

Ion	Ratio	Lower	Upper
108	100		
106	108.6	89.0	133.6
79	21.6	16.6	25.0



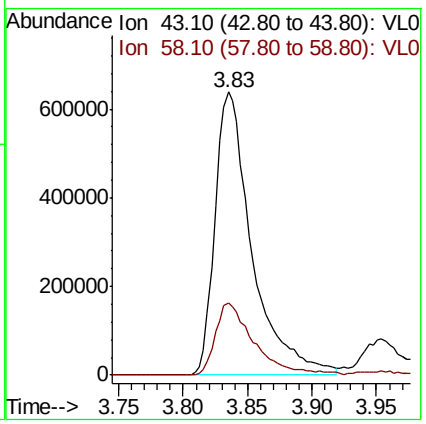


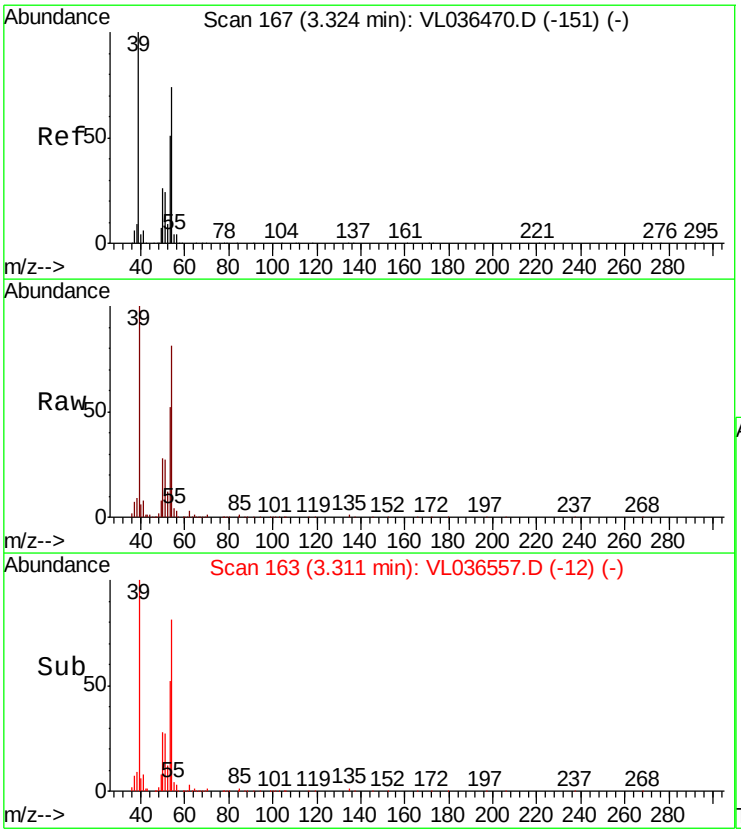
#15
Acetone
Concen: 8.561 ppbv
RT: 3.83 min Scan# 326
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1264877

Ion	Ratio	Lower	Upper
43	100		
58	26.9	21.2	31.8

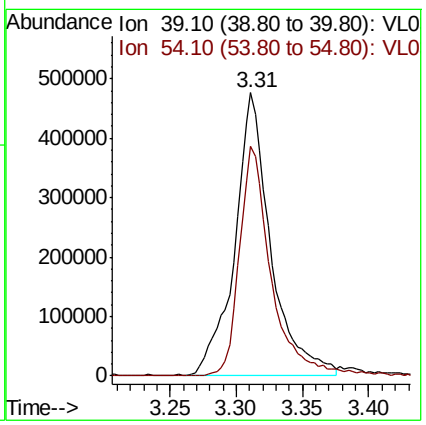


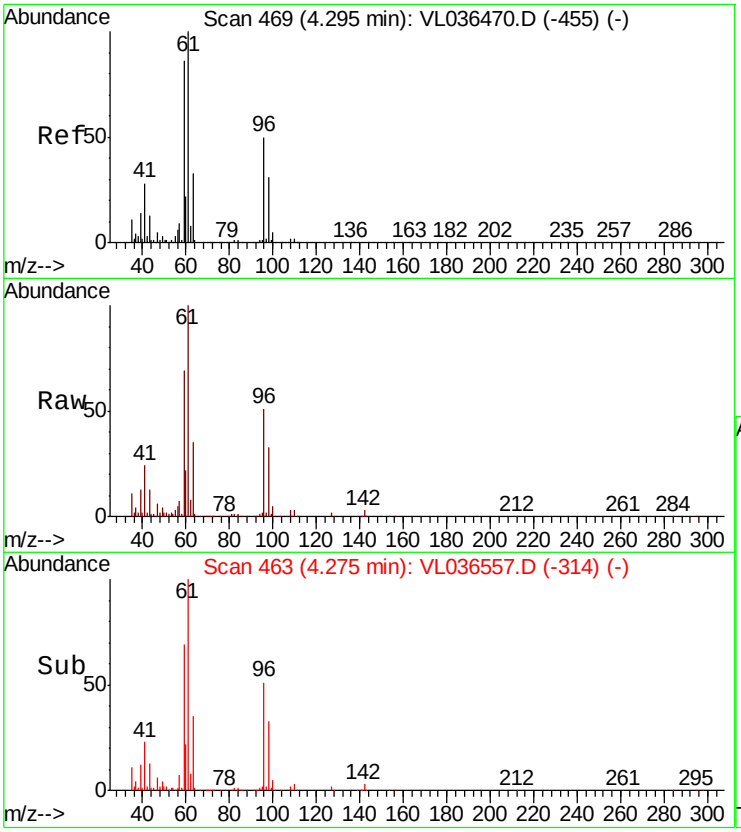


#16
1,3-Butadiene
Concen: 8.719 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.01 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 39 Resp: 896816

Ion	Ratio	Lower	Upper
39	100		
54	72.8	58.8	88.2



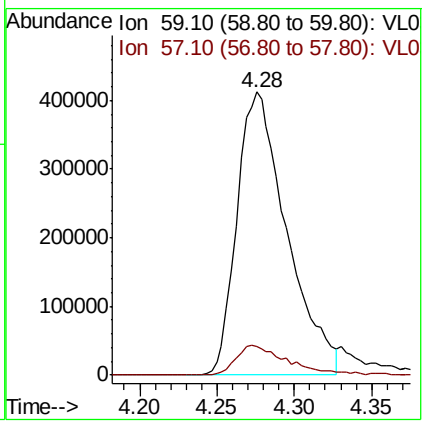


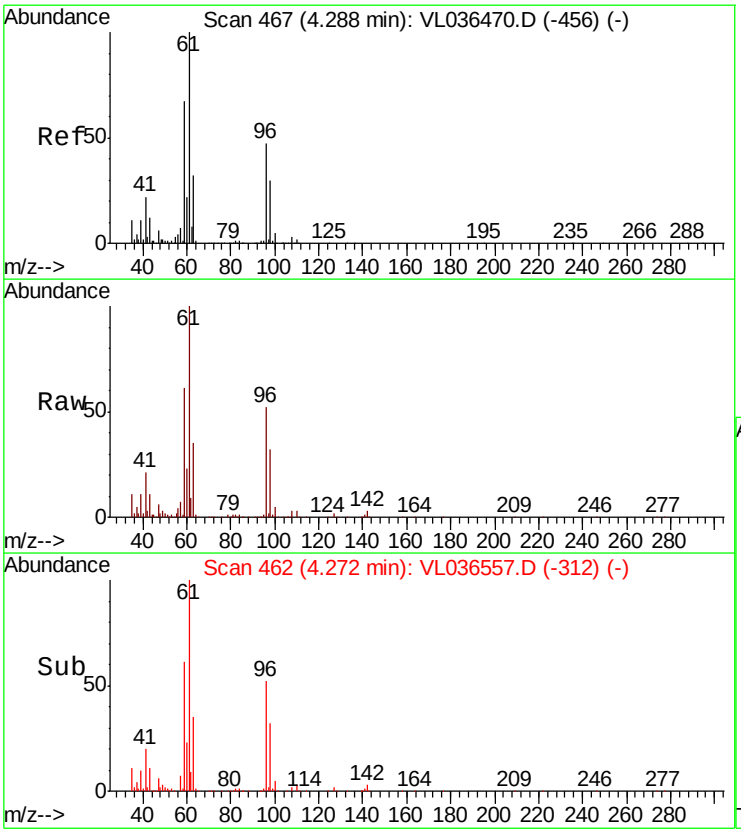
#17
tert-Butyl alcohol
Concen: 7.178 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 923231

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.6	12.8

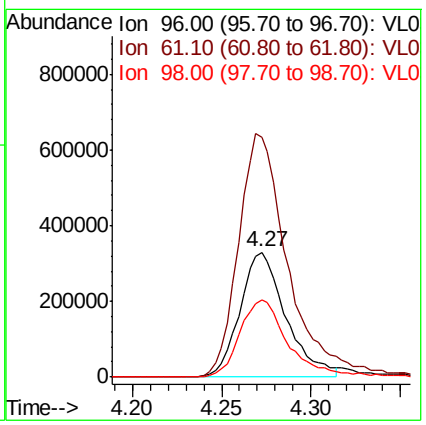


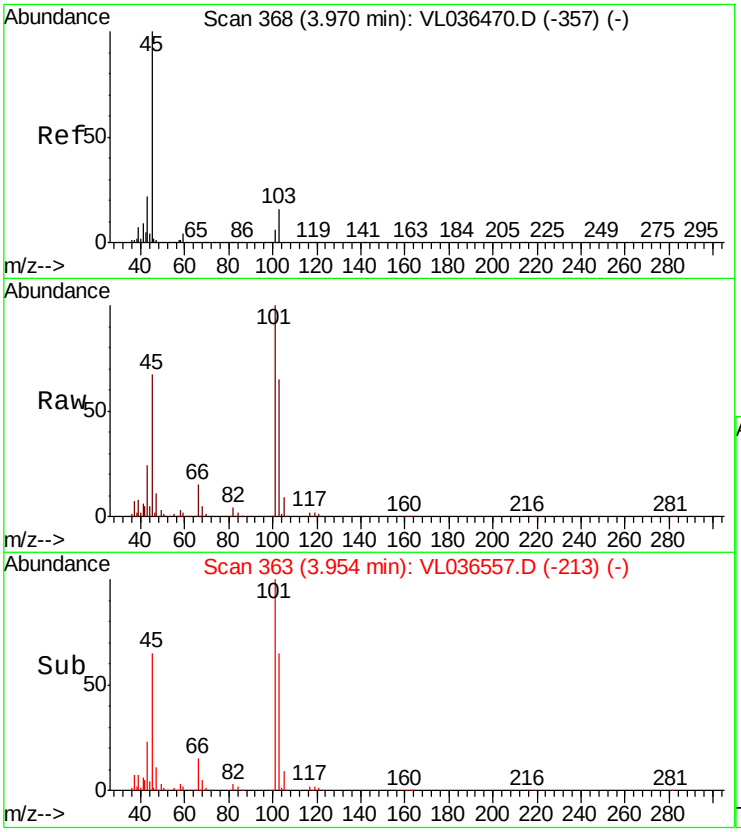


#18
1,1-Dichloroethene
Concen: 8.308 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 96 Resp: 589496

Ion	Ratio	Lower	Upper
96	100		
61	192.9	168.6	253.0
98	61.7	50.8	76.2



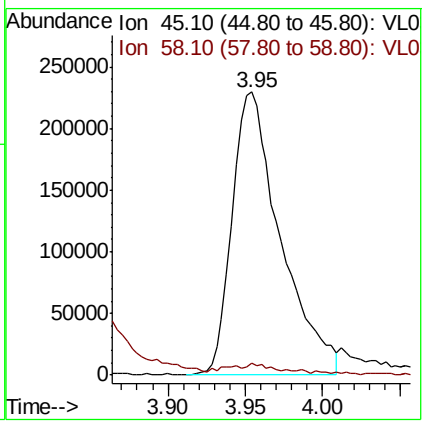


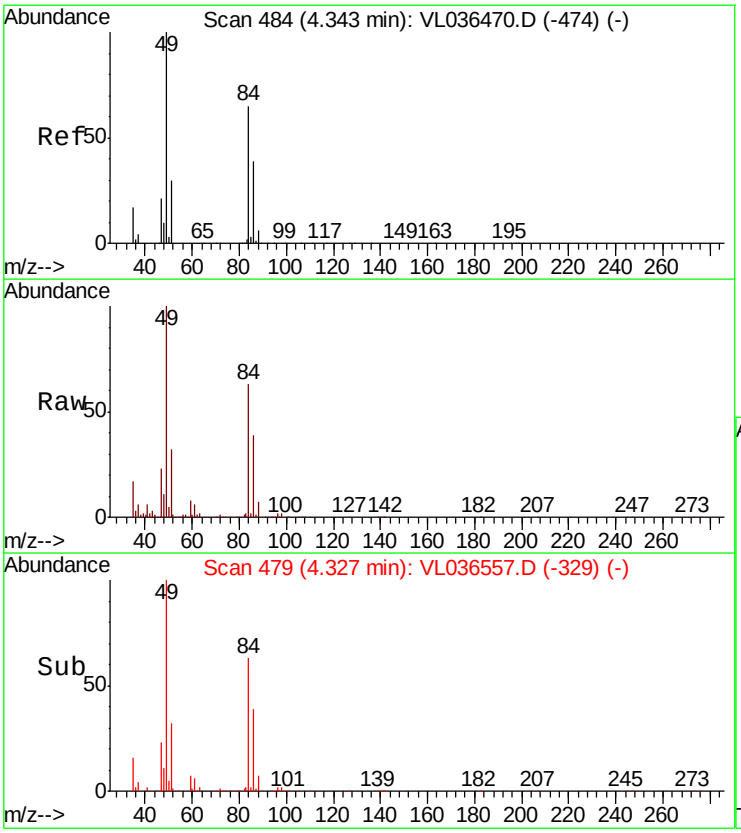
#19
Isopropyl Alcohol
Concen: 6.115 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 497017

Ion	Ratio	Lower	Upper
45	100		
58	4.1	2.9	4.3

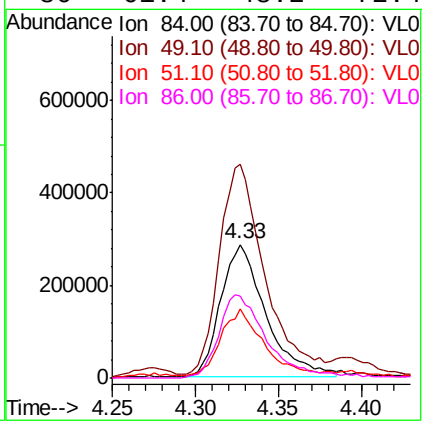


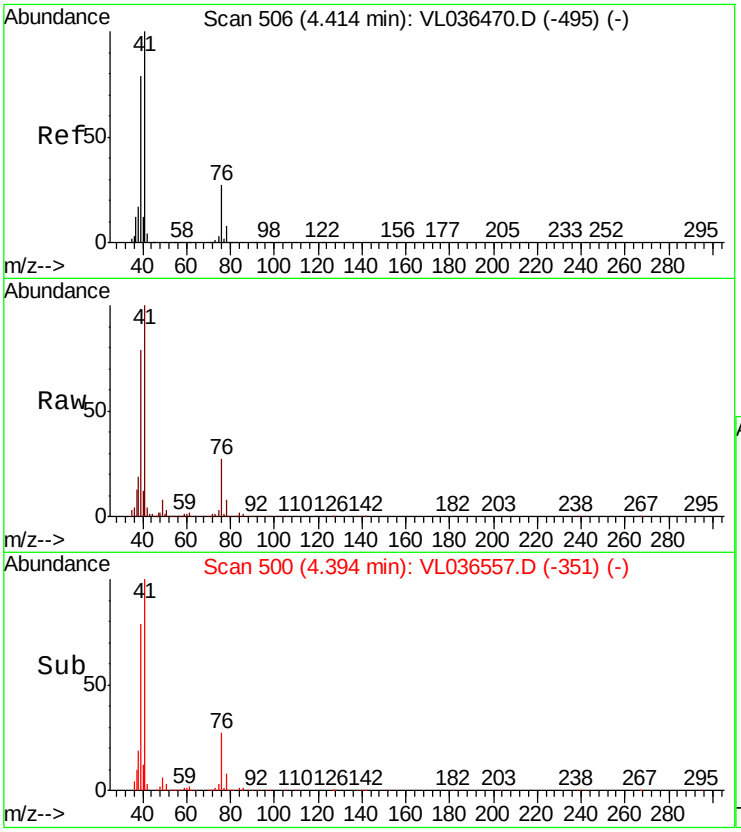


#20
Methylene Chloride
Concen: 7.857 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 84 Resp: 543512

Ion	Ratio	Lower	Upper
84	100		
49	157.8	122.9	184.3
51	49.4	36.9	55.3
86	61.4	48.2	72.4



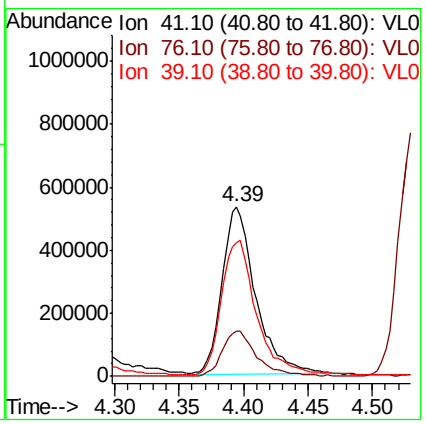


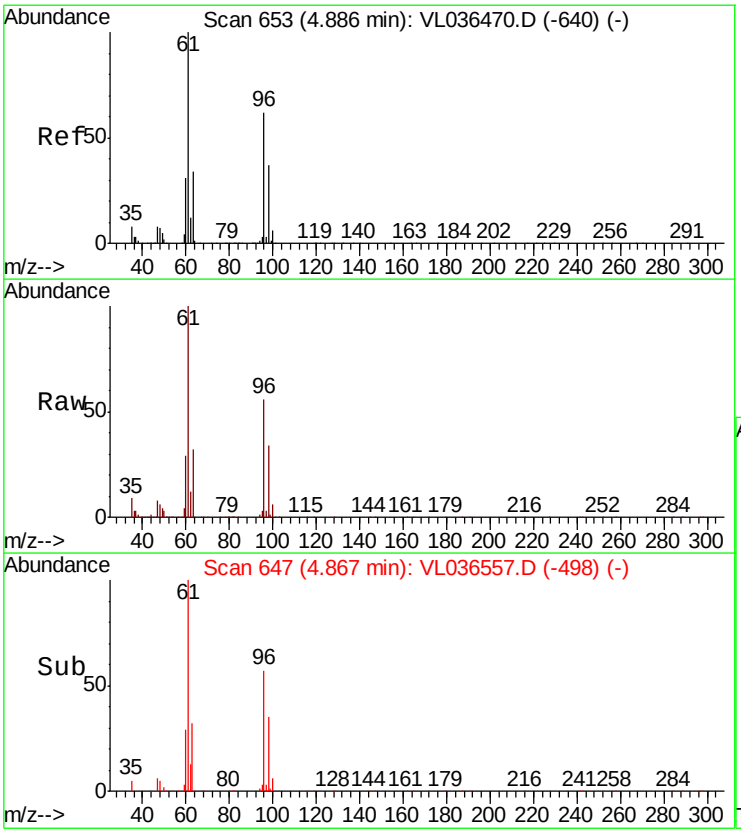
#21
Allyl Chloride
Concen: 8.211 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 967095

Ion	Ratio	Lower	Upper
41	100		
76	28.1	22.9	34.3
39	84.5	67.3	100.9

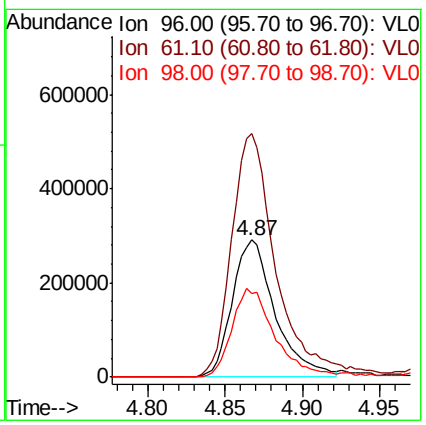


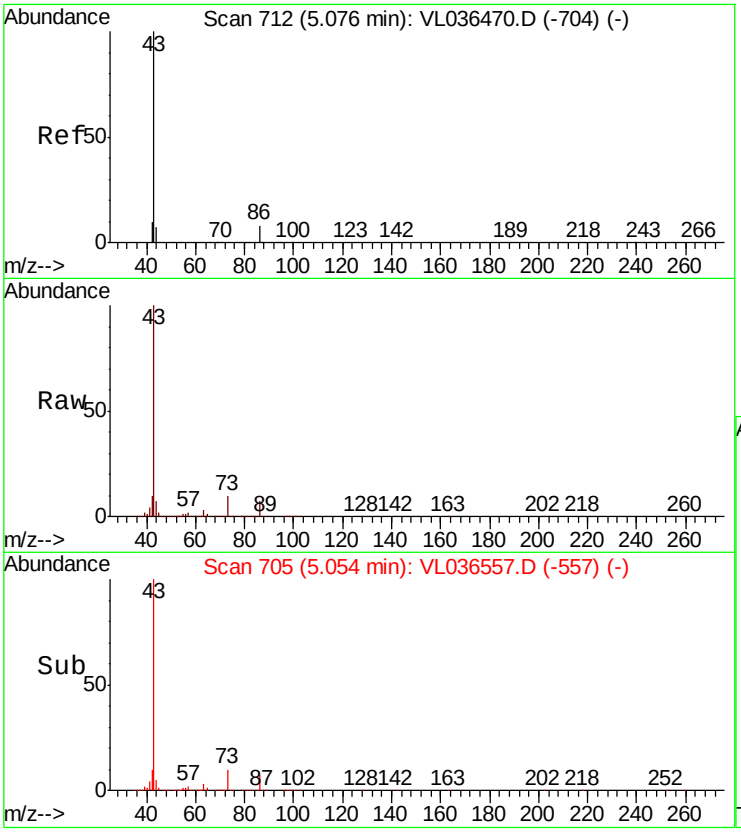


#22
trans-1,2-Dichloroethene
Concen: 8.514 ppbv
RT: 4.87 min Scan# 647
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 96 Resp: 560140

Ion	Ratio	Lower	Upper
96	100		
61	177.0	129.4	194.0
98	60.8	48.2	72.4



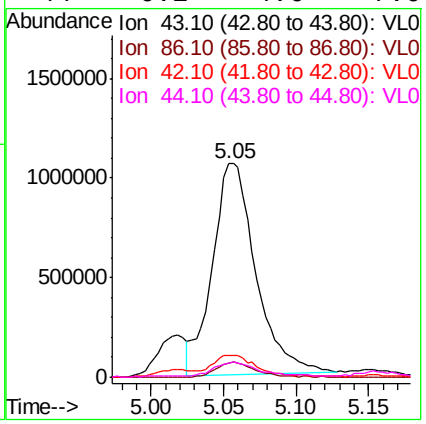


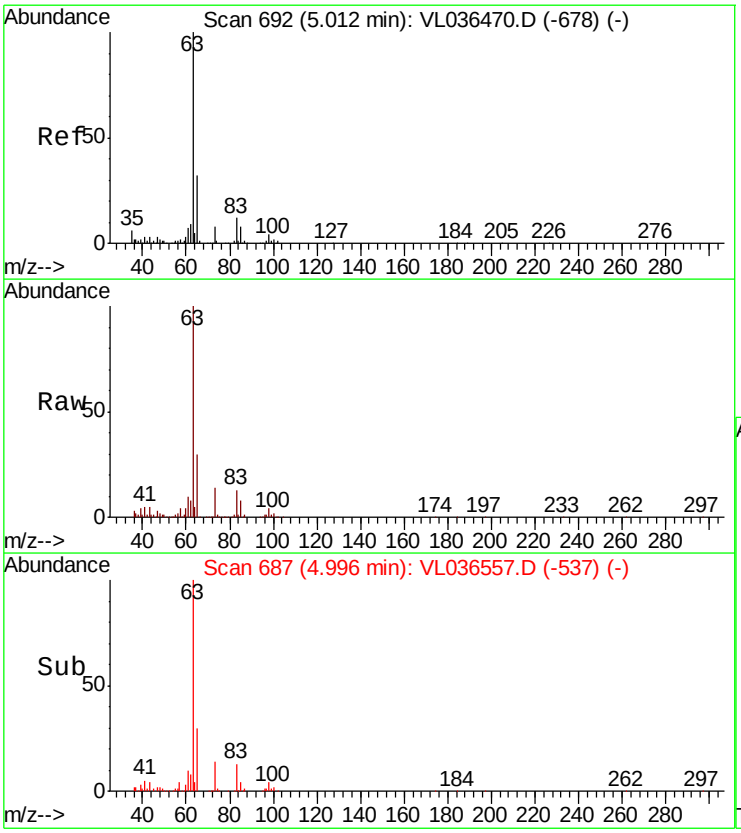
#23
Vinyl Acetate
Concen: 8.656 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2187441

Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.4	8.0
42	10.2	8.5	12.7
44	6.2	4.6	7.0

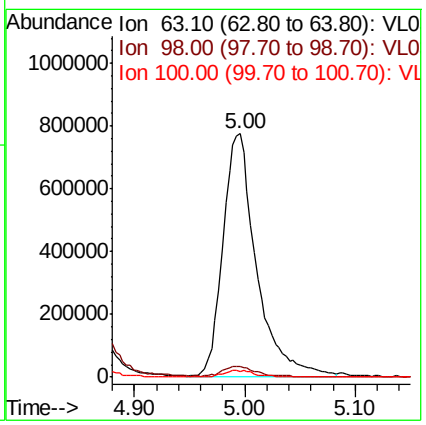


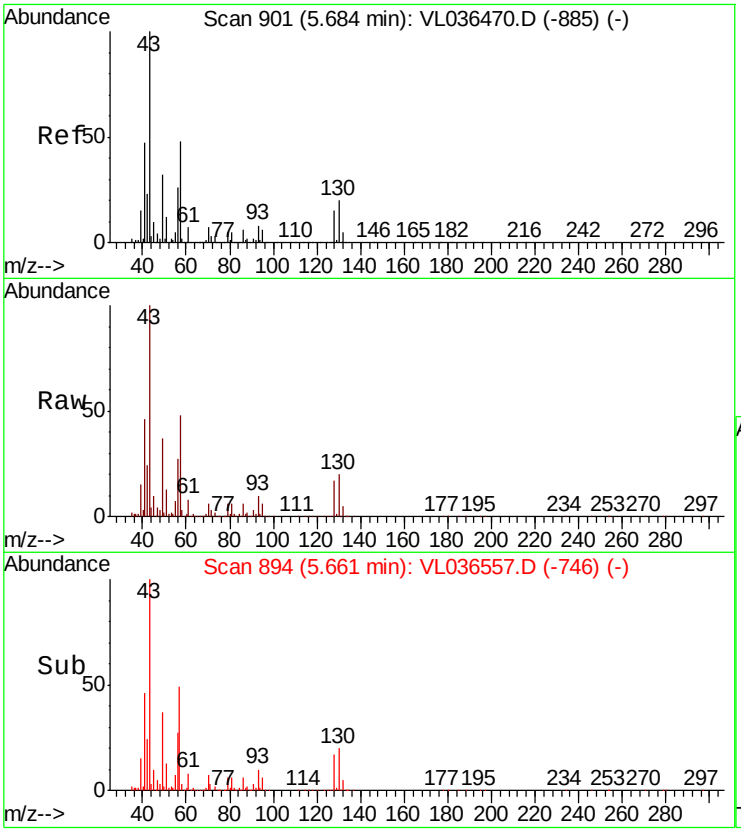


#24
1,1-Dichloroethane
Concen: 8.782 ppbv
RT: 5.00 min Scan# 687
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 63 Resp: 1617696

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.2
100	2.1	0.9	2.8



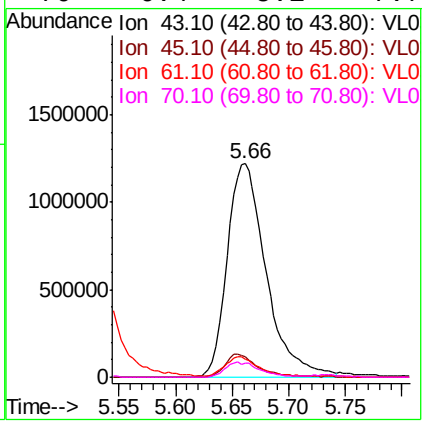


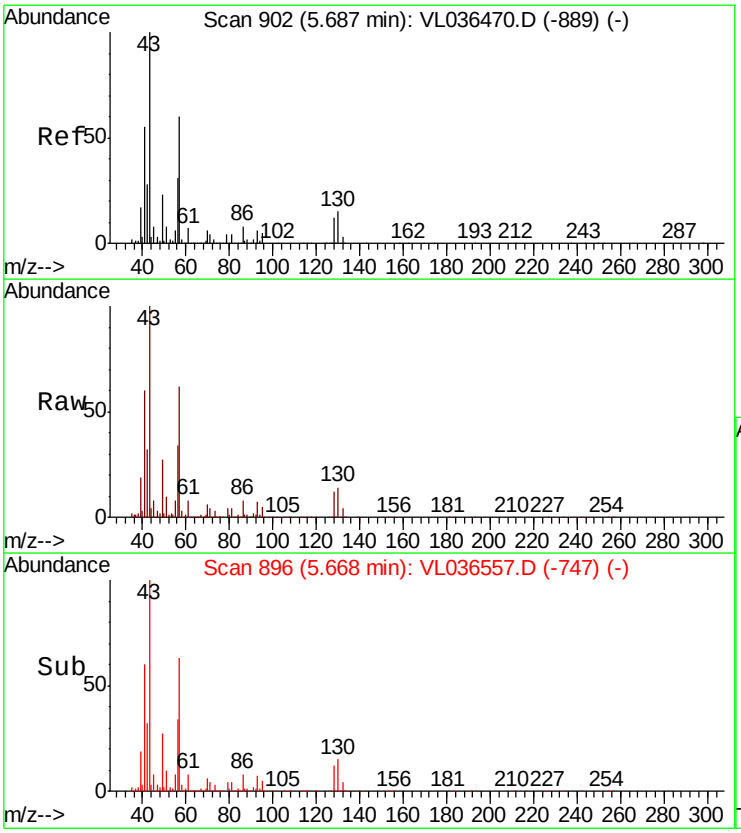
#25
Ethyl Acetate
Concen: 8.304 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2916725

Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.9	11.9
61	9.1	7.4	11.2
70	6.4	5.1	7.7

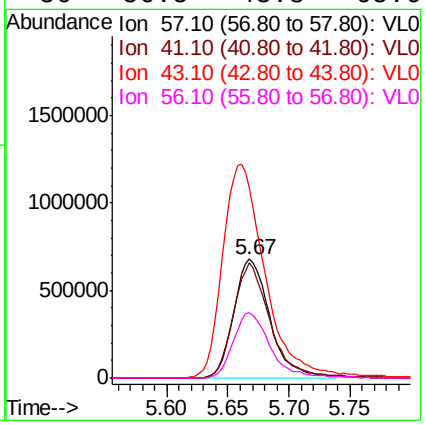


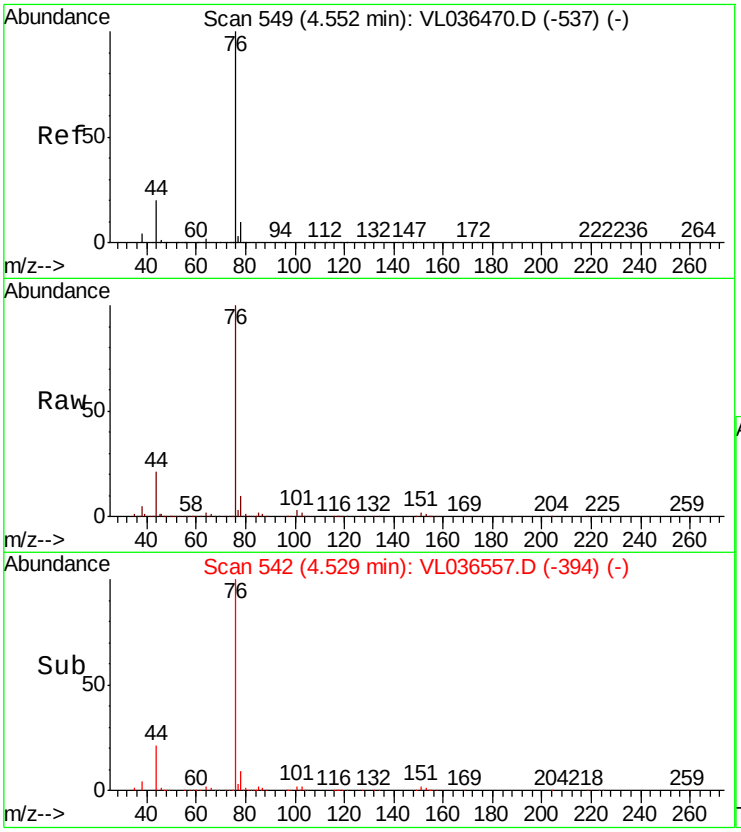


#26
Hexane
Concen: 8.548 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 57 Resp: 1393347

Ion	Ratio	Lower	Upper
57	100		
41	99.6	77.2	115.8
43	213.9	173.8	260.6
56	56.5	43.8	65.6



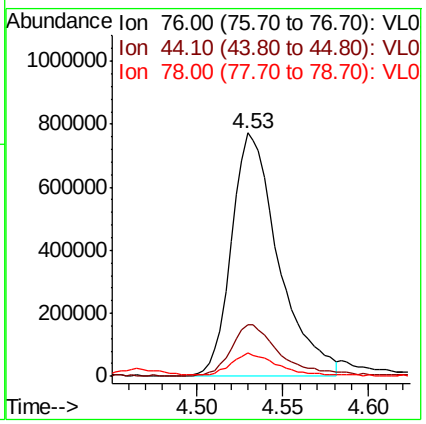


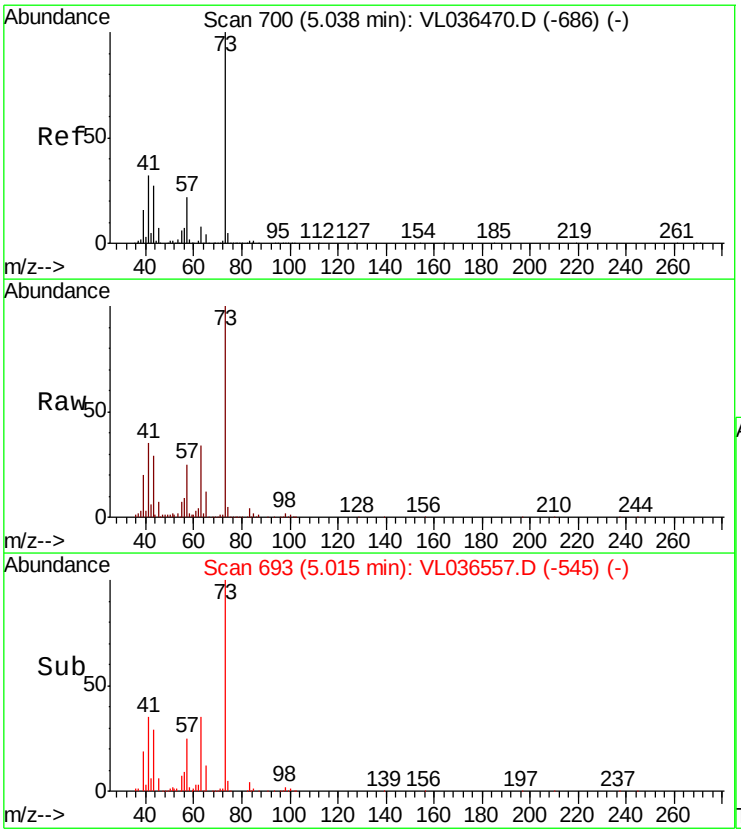
#27
Carbon Disulfide
Concen: 9.128 ppbv
RT: 4.53 min Scan# 542
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1465701

Ion	Ratio	Lower	Upper
76	100		
44	22.6	17.5	26.3
78	10.1	8.6	13.0

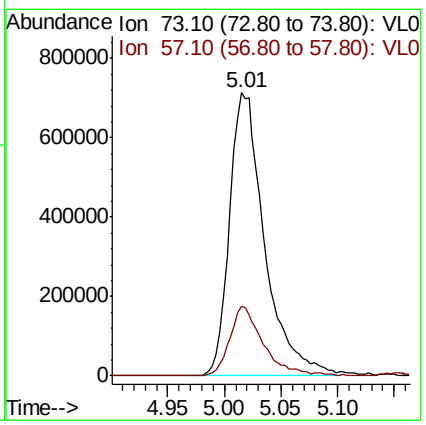


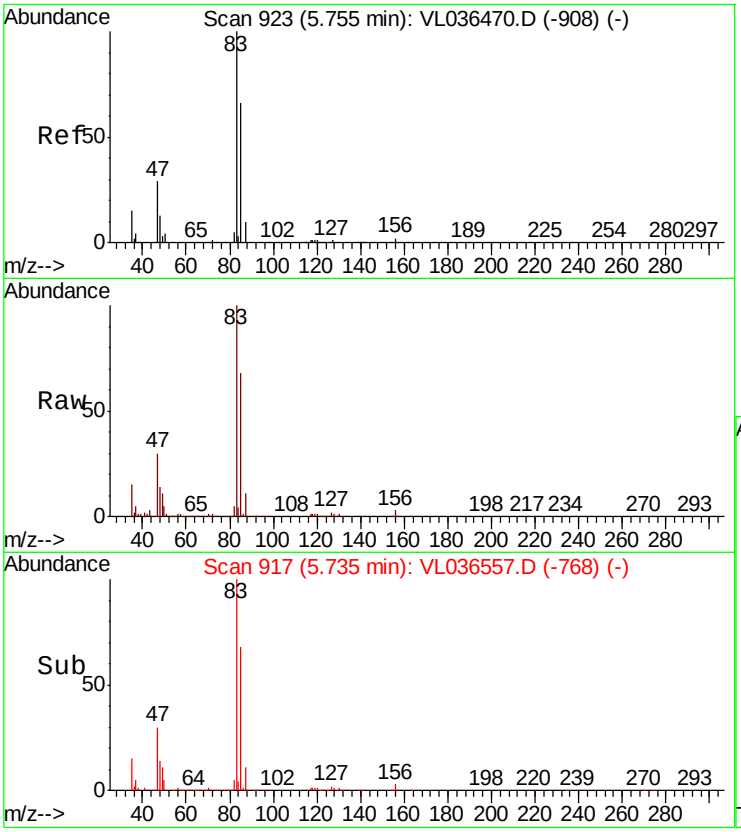


#28
Methyl tert-Butyl Ether
Concen: 8.019 ppbv
RT: 5.01 min Scan# 693
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 73 Resp: 1541460

Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.5	27.7



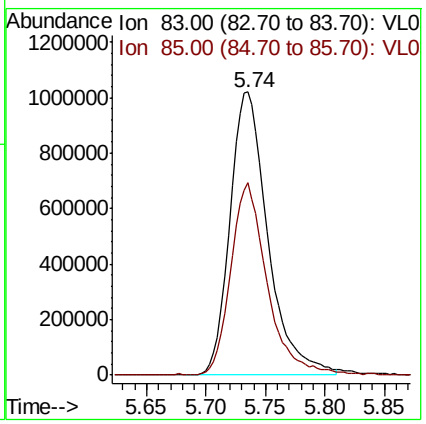


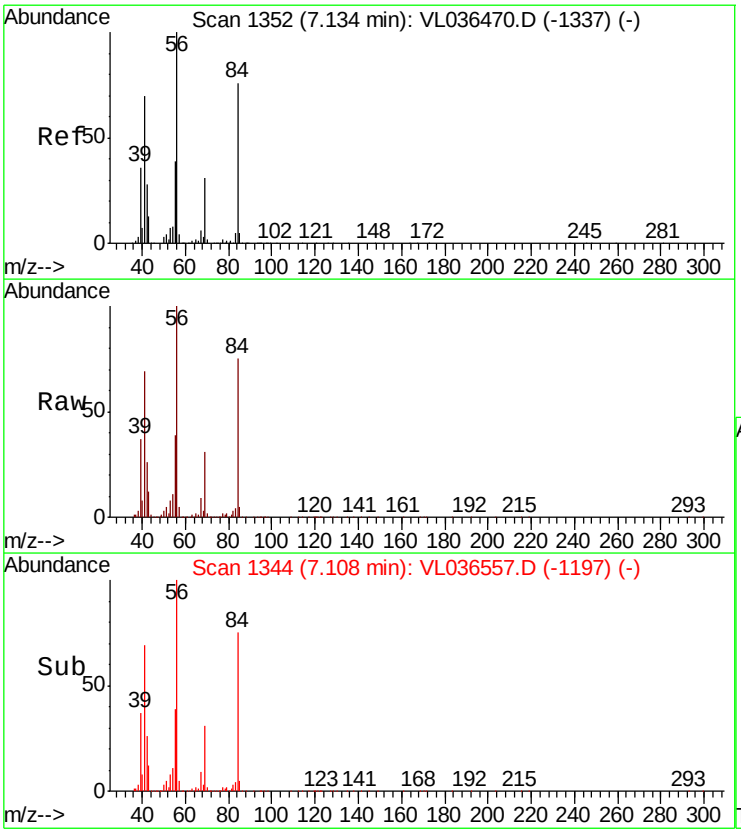
#29
Chloroform
Concen: 8.642 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 2252807

Ion	Ratio	Lower	Upper
83	100		
85	67.6	52.6	78.8

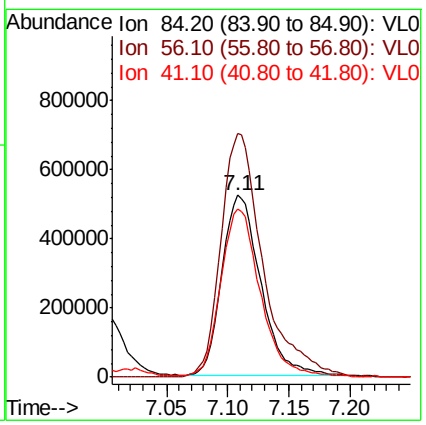


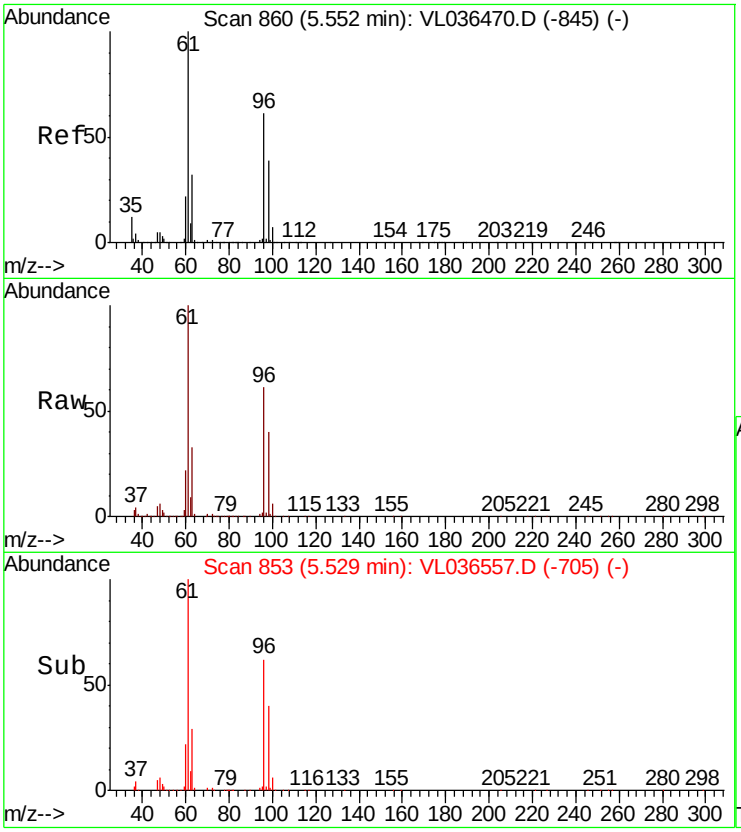


#30
Cyclohexane
Concen: 8.770 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 84 Resp: 1159375

Ion	Ratio	Lower	Upper
84	100		
56	147.3	114.6	171.8
41	95.9	75.3	112.9



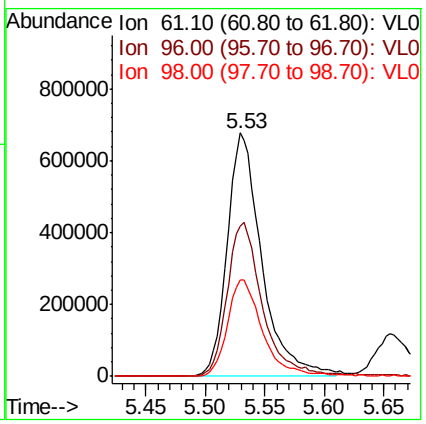


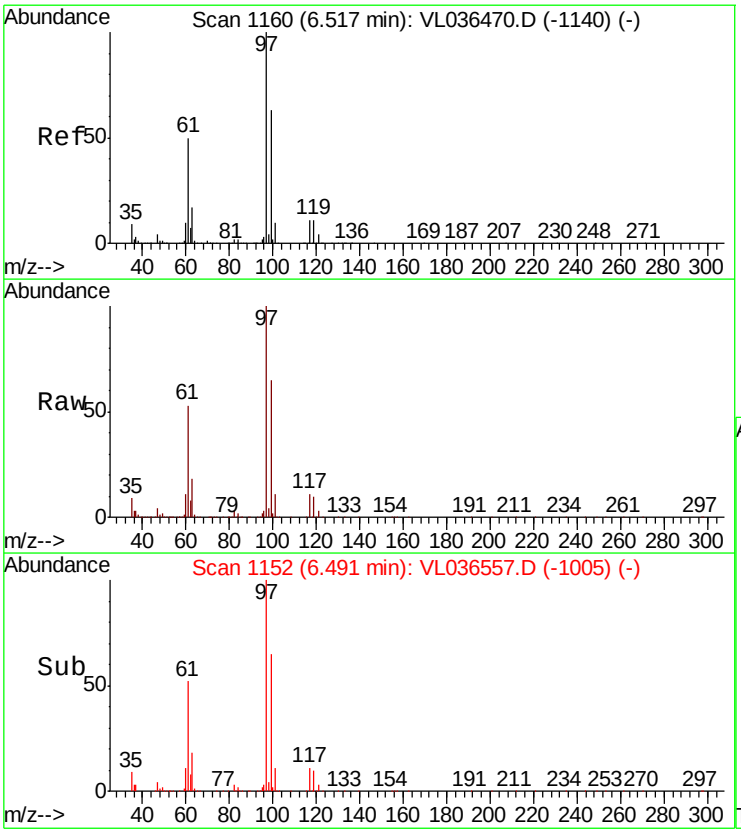
#31
cis-1,2-Dichloroethene
Concen: 8.633 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 1361074

Ion	Ratio	Lower	Upper
61	100		
96	61.4	48.7	73.1
98	39.8	31.4	47.0

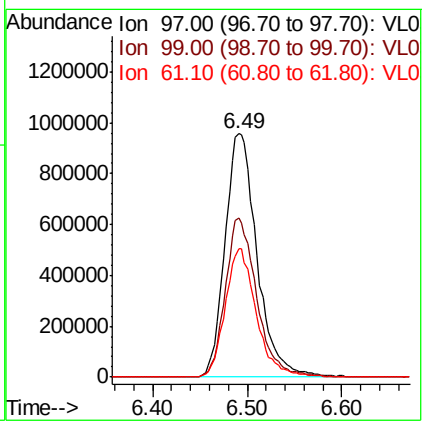


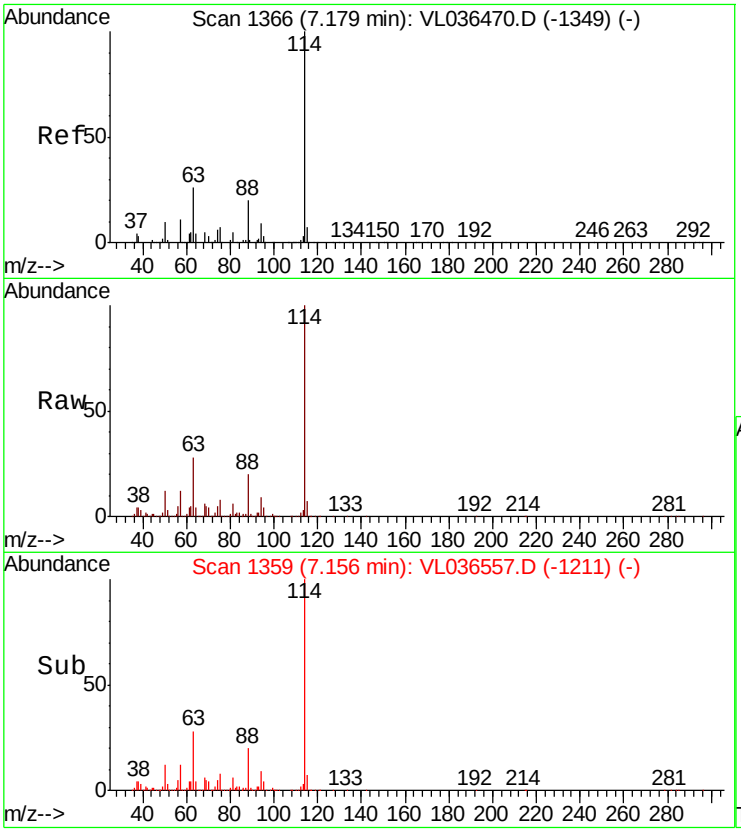


#32
1,1,1-Trichloroethane
Concen: 8.585 ppbv
RT: 6.49 min Scan# 1152
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 97 Resp: 2255537

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	51.2	40.6	60.8



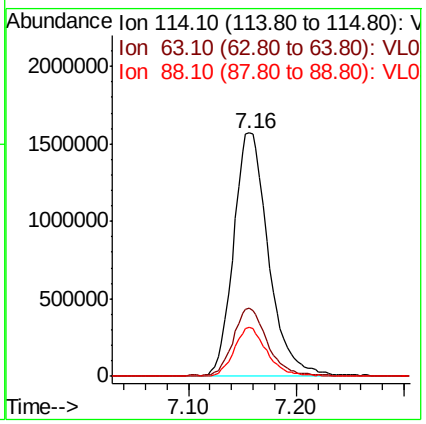


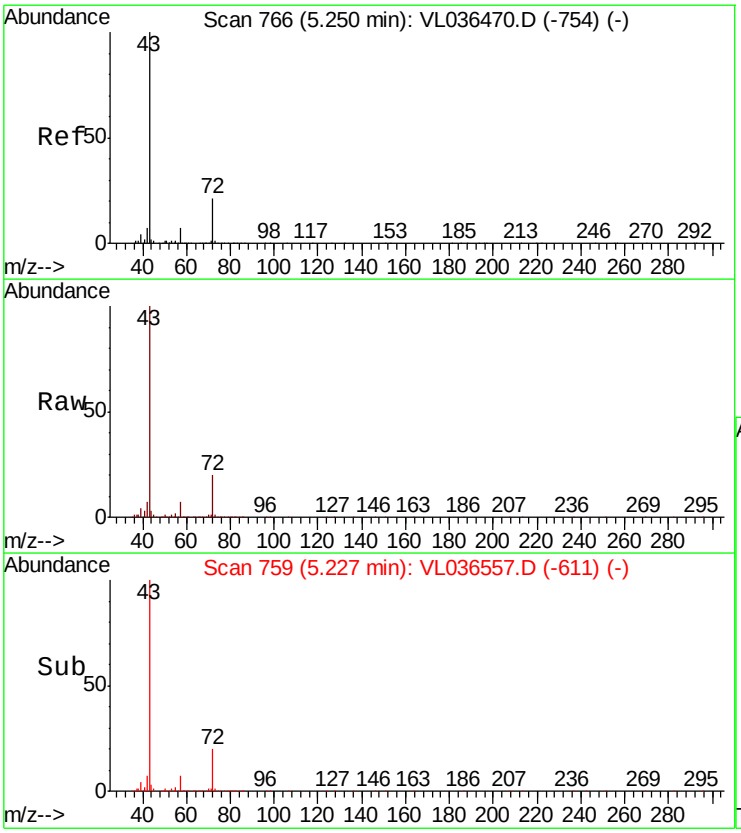
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 3544910

Ion	Ratio	Lower	Upper
114	100		
63	27.9	22.4	33.6
88	19.1	15.4	23.0

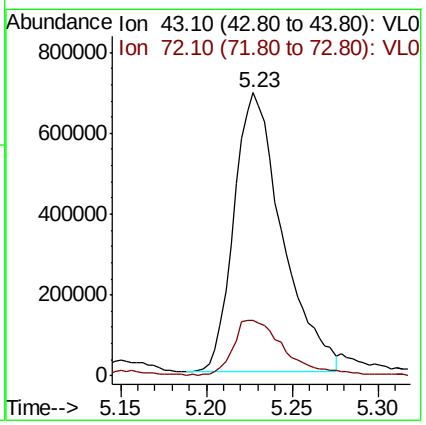


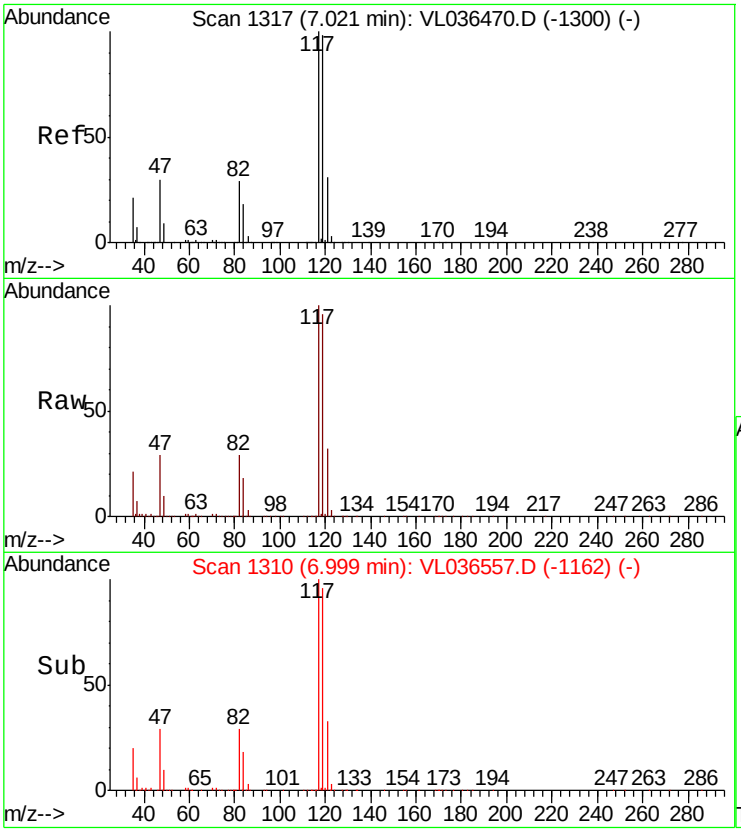


#34
2-Butanone
Concen: 7.834 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 43 Resp: 1355499

Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.0	25.6



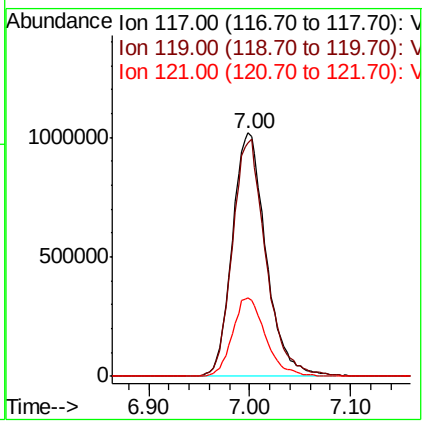


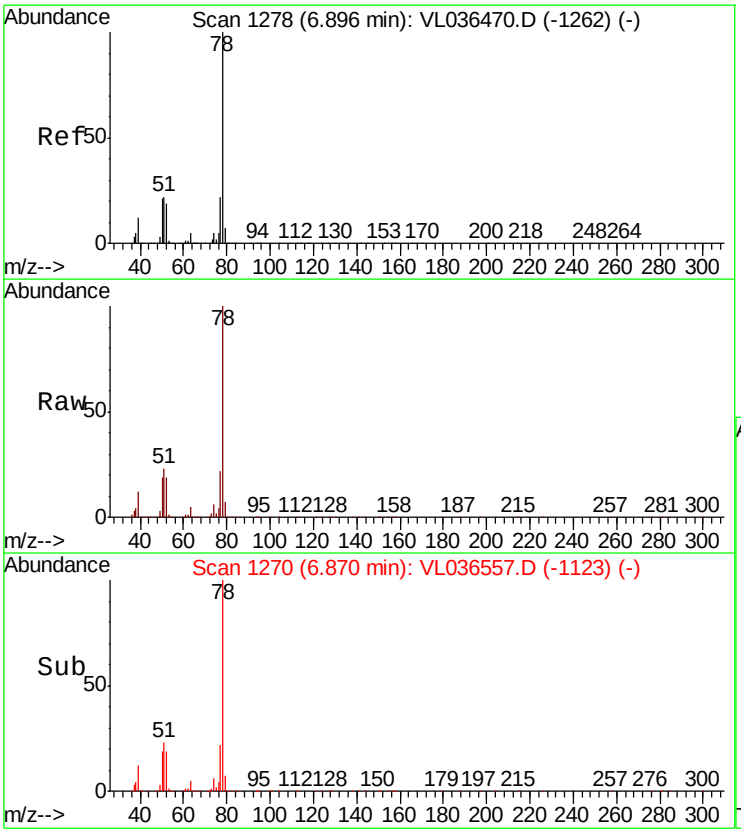
#35
Carbon Tetrachloride
Concen: 8.690 ppbv
RT: 7.00 min Scan# 1310
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2366175

Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.2	117.2
121	32.5	24.5	36.7

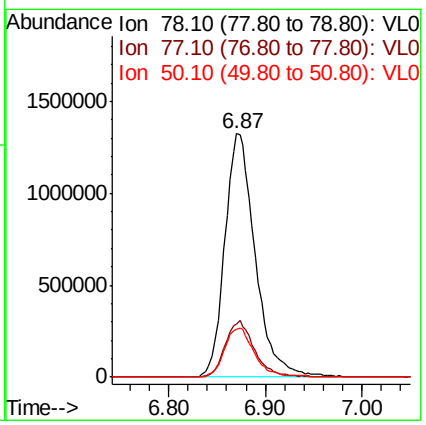


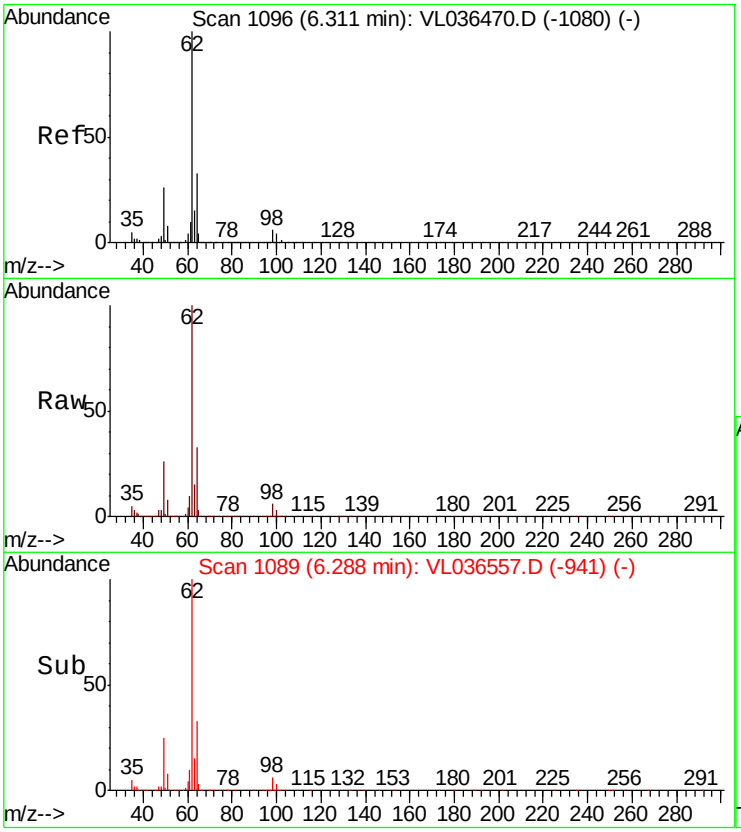


#36
Benzene
Concen: 8.848 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 78 Resp: 2892622

Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.0	27.0
50	19.5	16.5	24.7



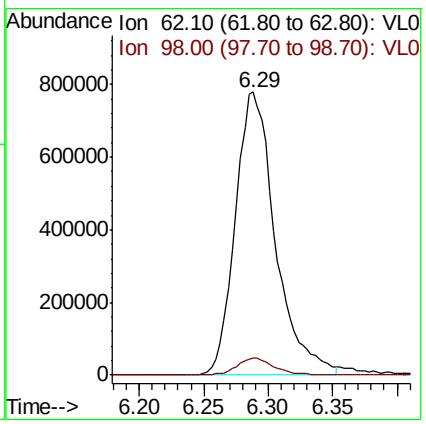


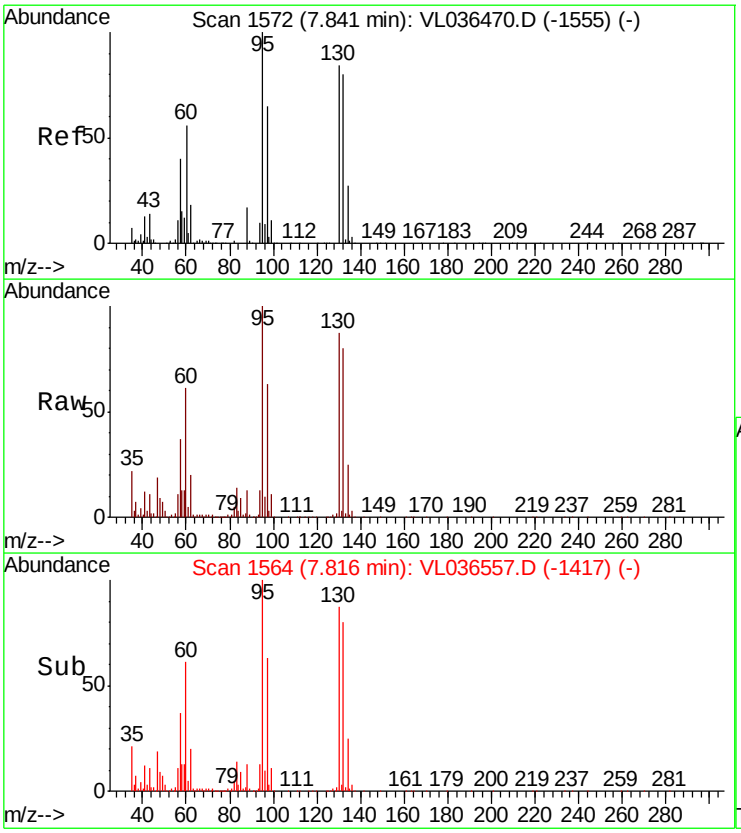
#37
1,2-Dichloroethane
Concen: 8.784 ppbv
RT: 6.29 min Scan# 1089
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 1690297

Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.9	7.3

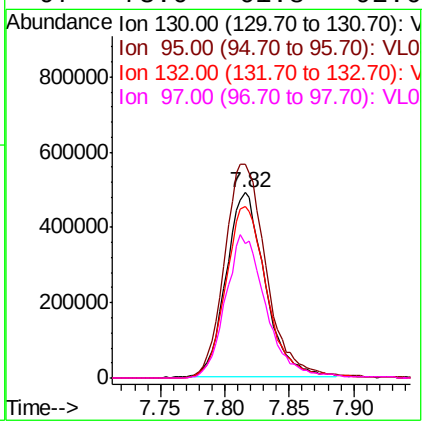


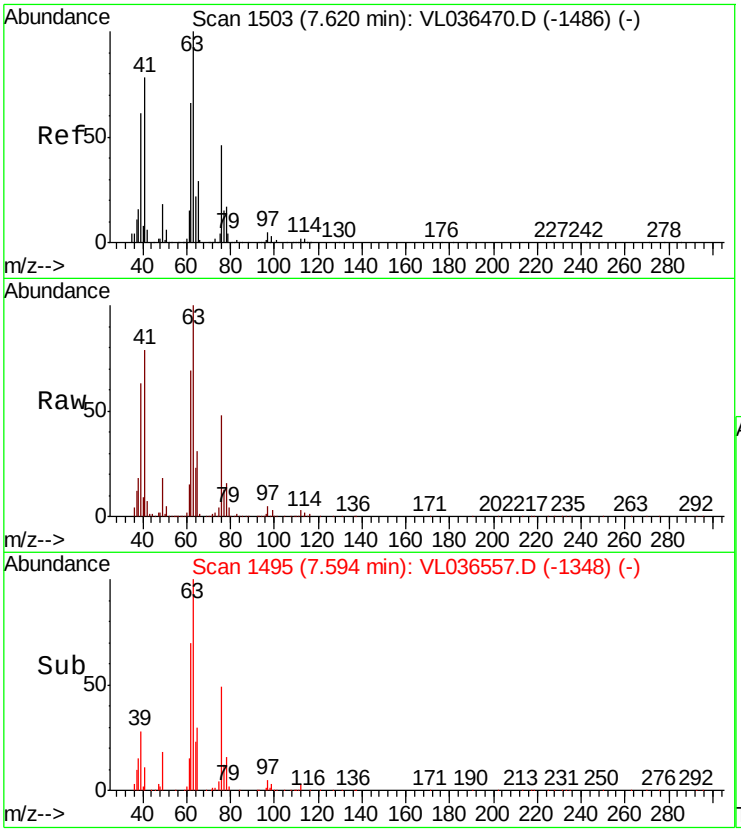


#38
Trichloroethene
Concen: 8.080 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion:130 Resp: 1028075

Ion	Ratio	Lower	Upper
130	100		
95	115.7	95.7	143.5
132	93.2	76.2	114.4
97	73.0	61.8	92.6



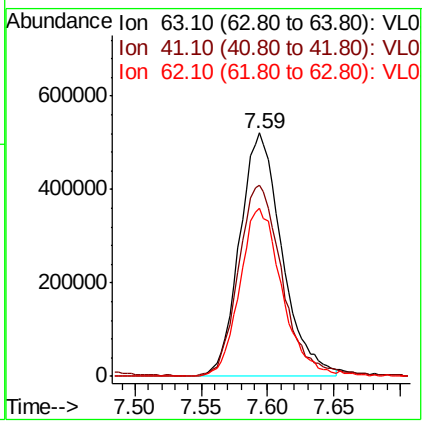


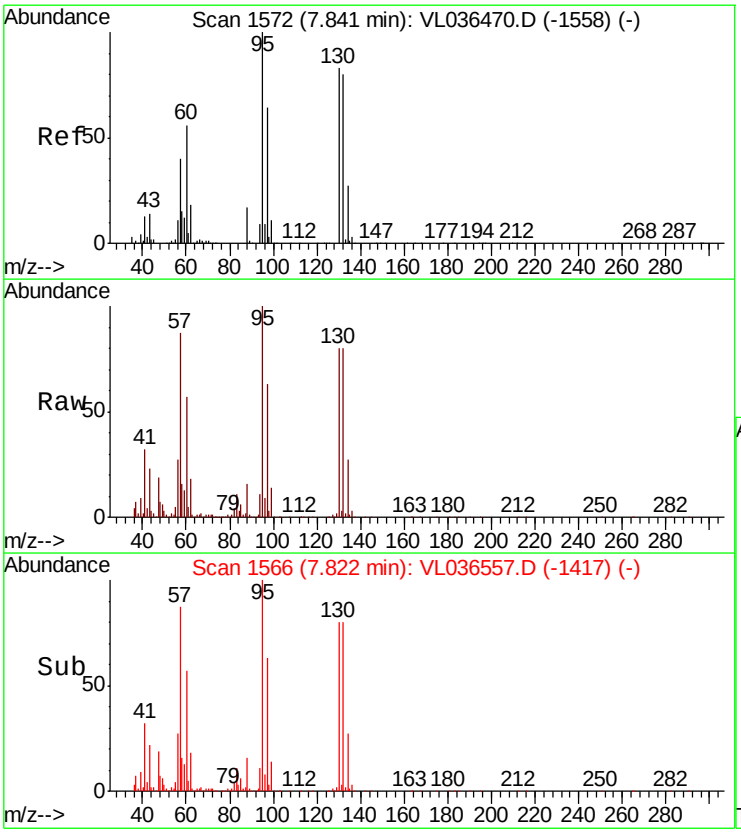
#39
1,2-Dichloropropane
Concen: 8.721 ppbv
RT: 7.59 min Scan# 1495
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 1156527

Ion	Ratio	Lower	Upper
63	100		
41	78.3	62.4	93.6
62	69.0	52.8	79.2

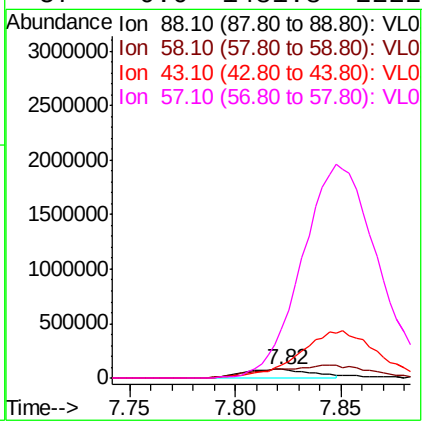


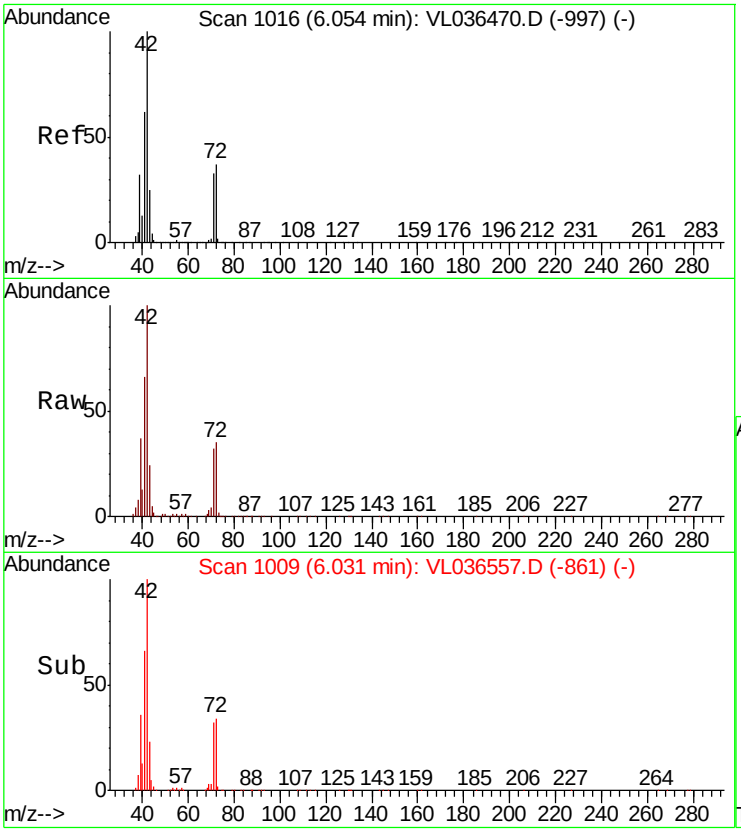


#40
1,4-Dioxane
Concen: 5.730 ppbv
RT: 7.82 min Scan# 1566
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 88 Resp: 176873

Ion	Ratio	Lower	Upper
88	100		
58	0.0	134.1	201.1#
43	0.0	346.6	520.0#
57	0.0	1481.8	2222.8#



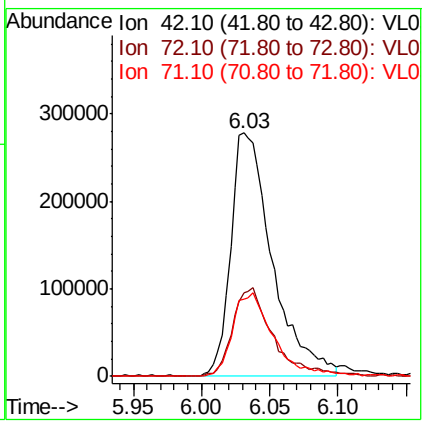


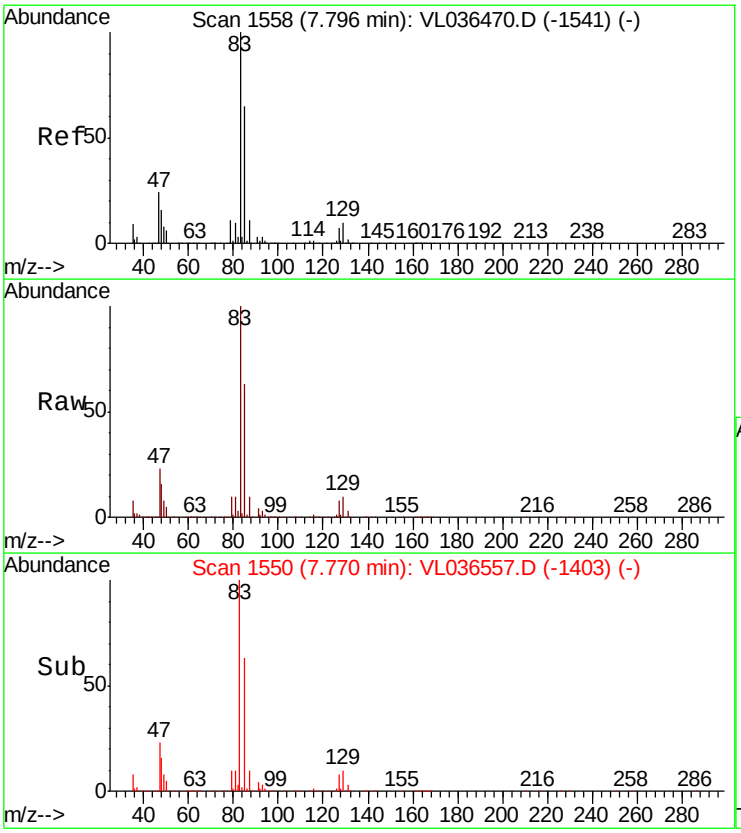
#41
Tetrahydrofuran
Concen: 7.340 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 585653

Ion	Ratio	Lower	Upper
42	100		
72	36.2	27.6	41.4
71	34.7	27.0	40.4

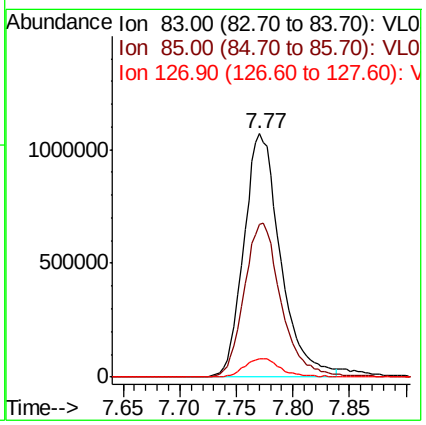


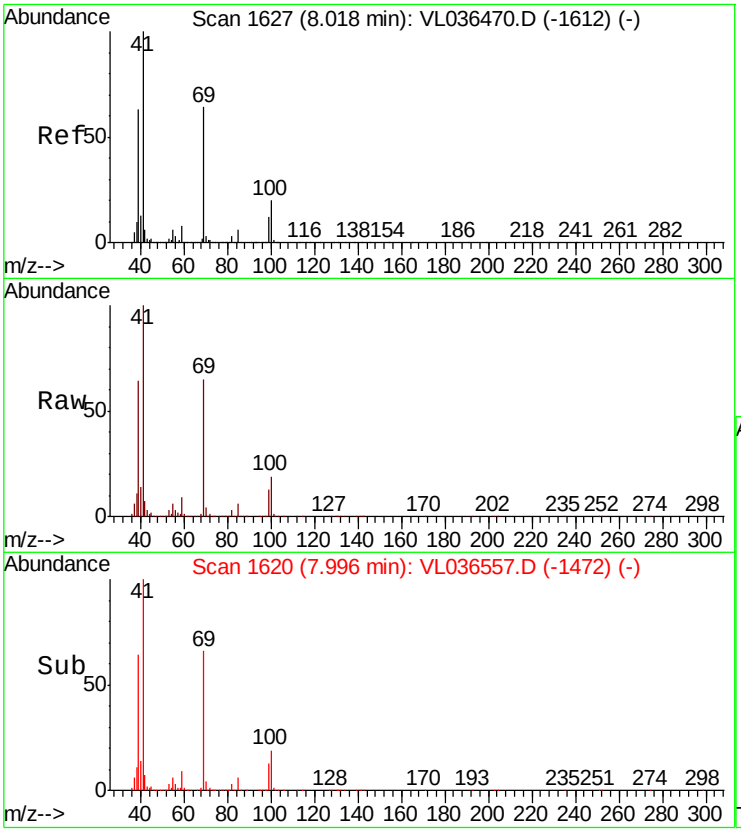


#42
Bromodichloromethane
Concen: 9.223 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 83 Resp: 2413892

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.6
127	7.7	5.8	8.8



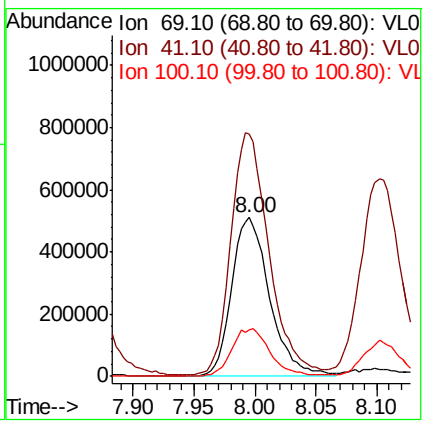


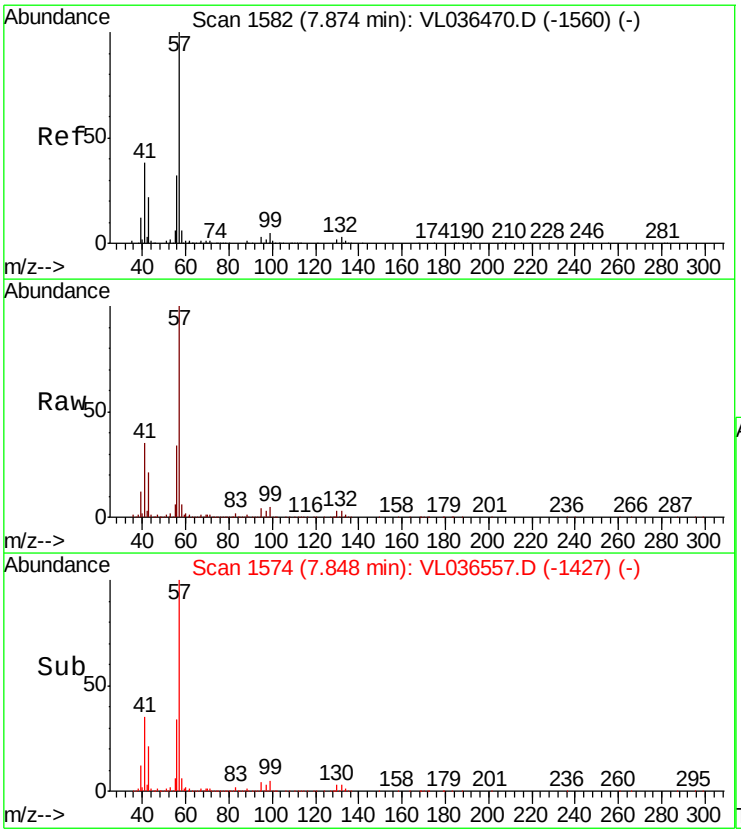
#43
Methyl Methacrylate
Concen: 10.048 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 1103068

Ion	Ratio	Lower	Upper
69	100		
41	153.9	126.8	190.2
100	30.2	24.9	37.3

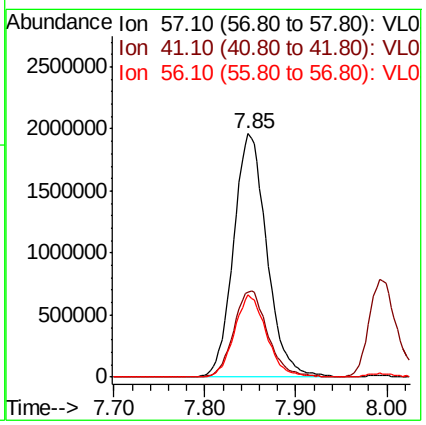


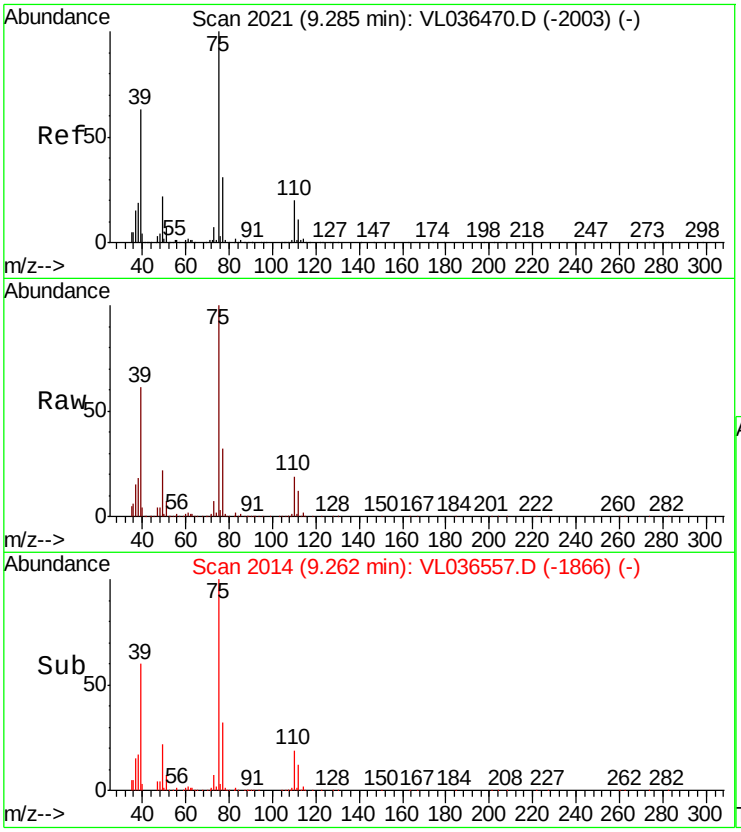


#44
2,2,4-Trimethylpentane
Concen: 8.657 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 57 Resp: 4981543

Ion	Ratio	Lower	Upper
57	100		
41	36.2	28.8	43.2
56	32.8	26.1	39.1



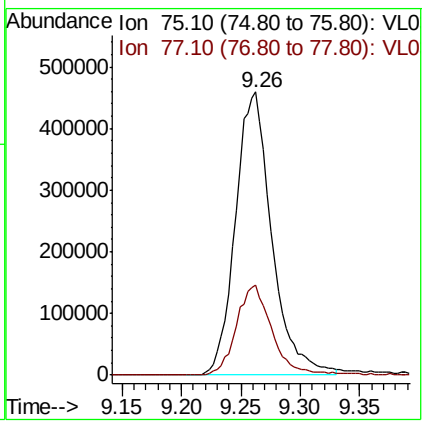


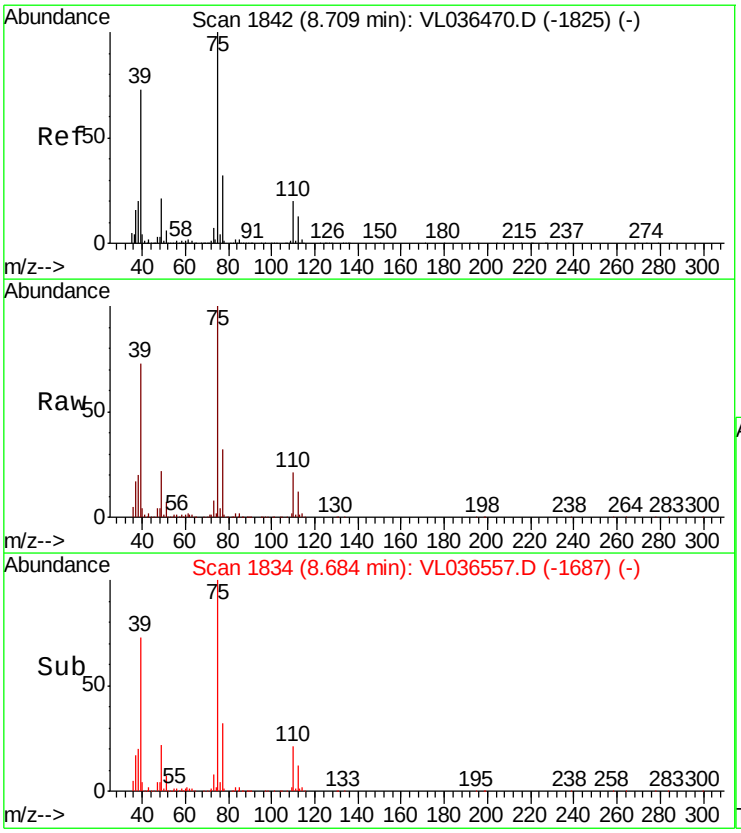
#45
t-1,3-Dichloropropene
Concen: 7.751 ppbv
RT: 9.26 min Scan# 2014
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 971653

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.1	37.7

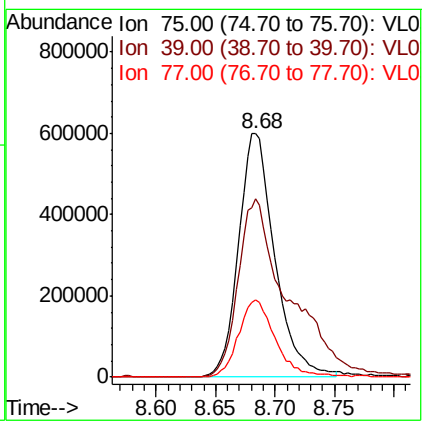


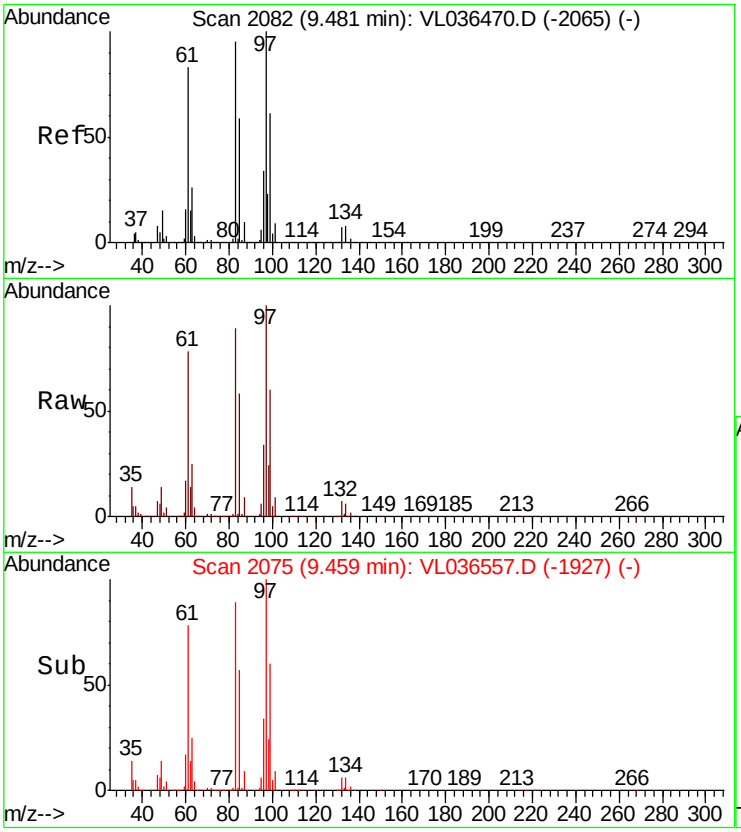


#46
cis-1,3-Dichloropropene
Concen: 7.885 ppbv
RT: 8.68 min Scan# 1834
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 75 Resp: 1263538

Ion	Ratio	Lower	Upper
75	100		
39	72.9	58.2	87.2
77	31.6	25.2	37.8



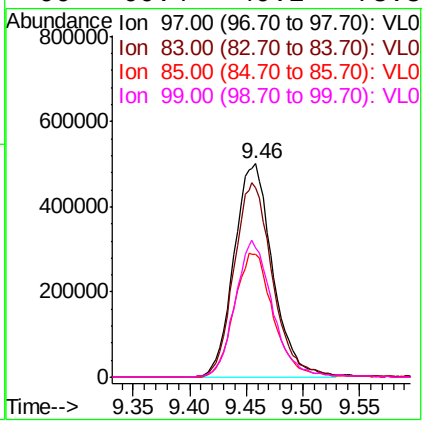


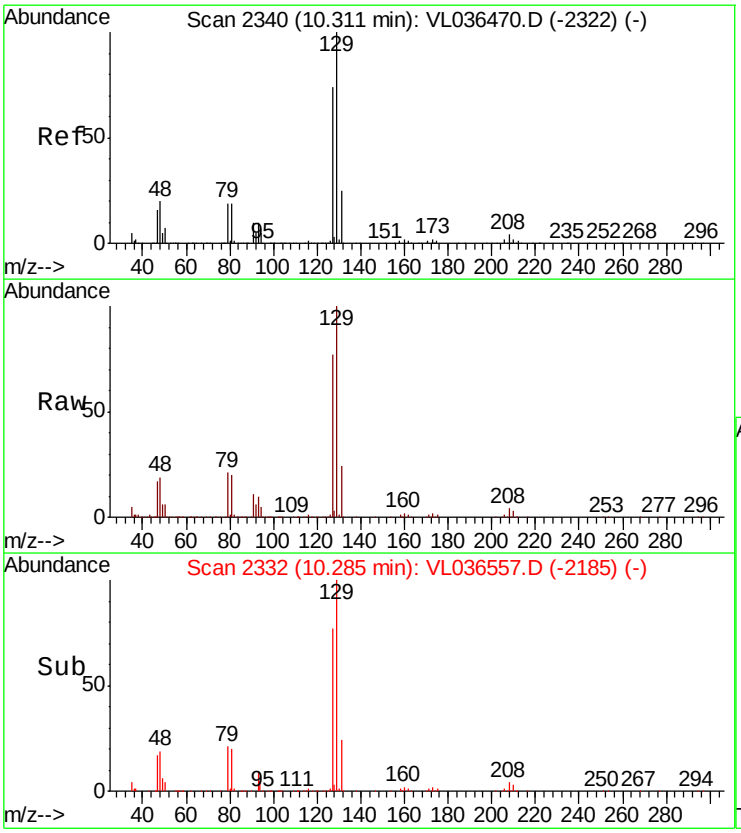
#47
1,1,2-Trichloroethane
Concen: 8.878 ppbv
RT: 9.46 min Scan# 2075
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 1192553

Ion	Ratio	Lower	Upper
97	100		
83	88.9	75.8	113.8
85	57.5	47.1	70.7
99	60.4	49.2	73.8

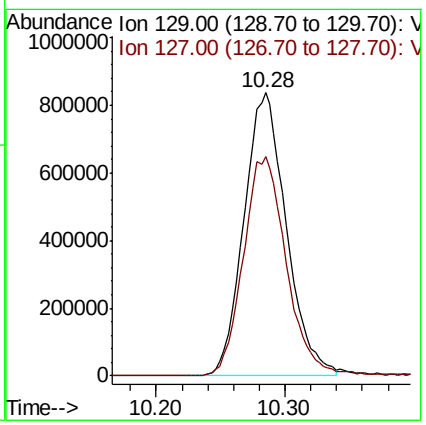


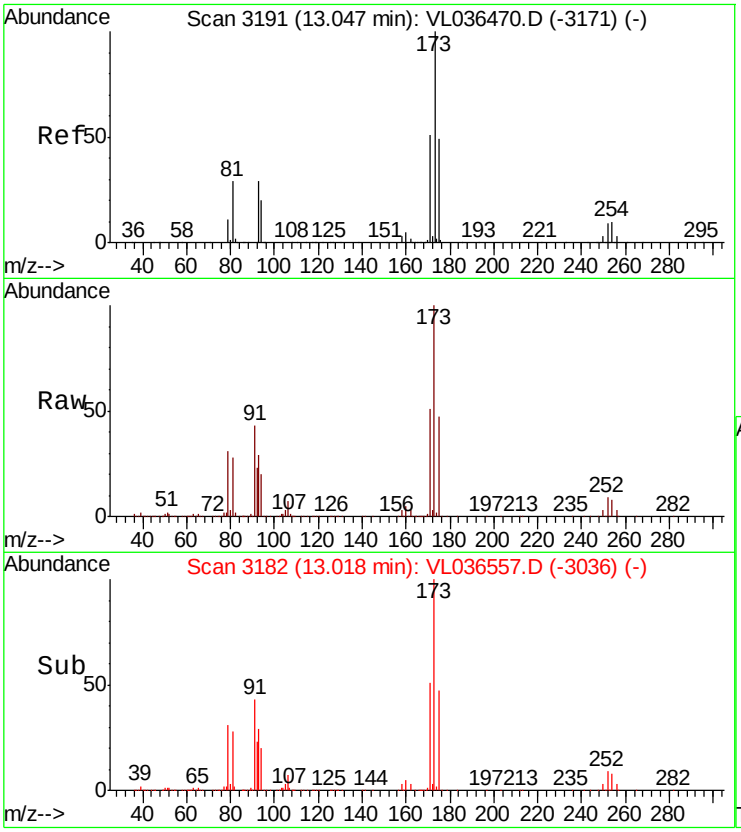


#48
Dibromochloromethane
Concen: 9.347 ppbv
RT: 10.28 min Scan# 2332
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion:129 Resp: 1913943

Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.6	118.8



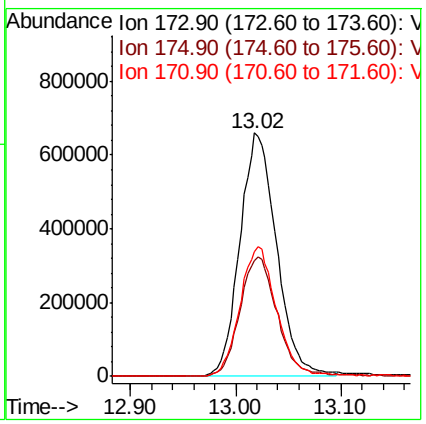


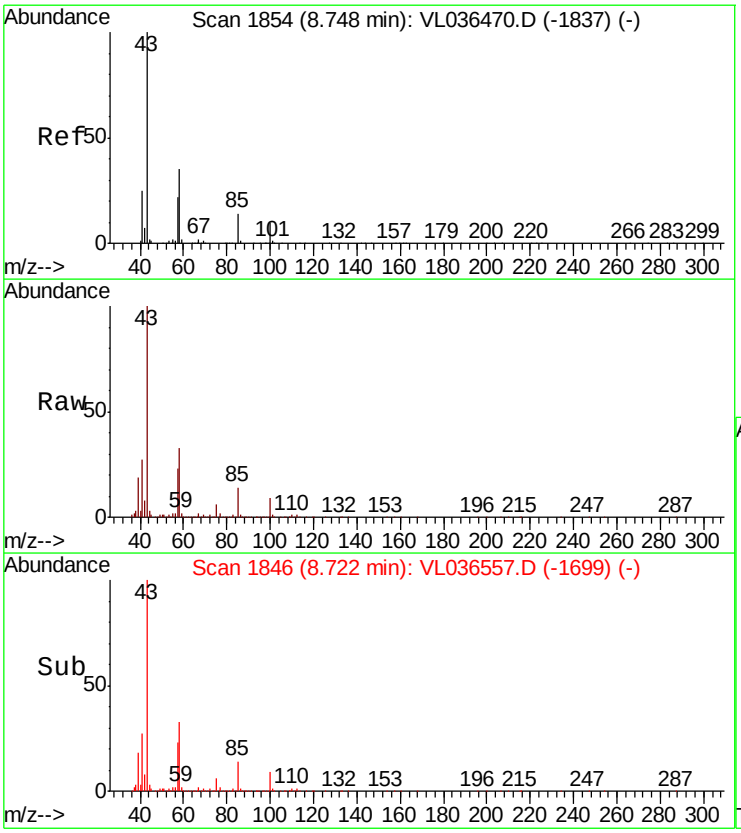
#49
Bromoform
Concen: 9.688 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 1598451

Ion	Ratio	Lower	Upper
173	100		
175	49.9	39.6	59.4
171	53.1	41.4	62.0

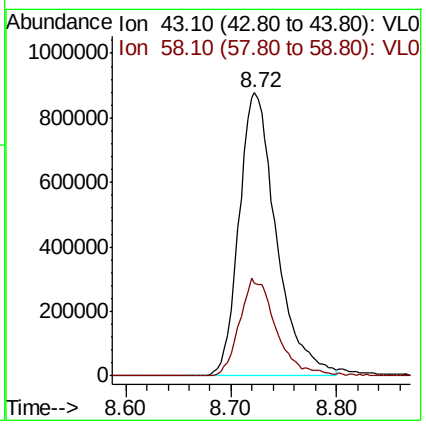


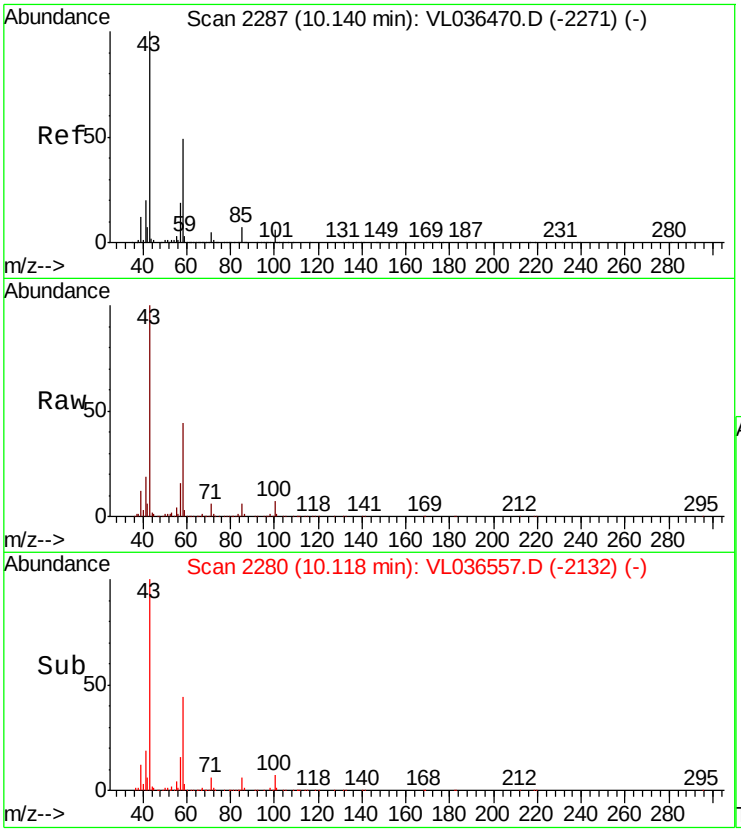


#50
4-Methyl-2-Pentanone
Concen: 8.605 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 43 Resp: 2154571

Ion	Ratio	Lower	Upper
43	100		
58	34.1	28.2	42.2



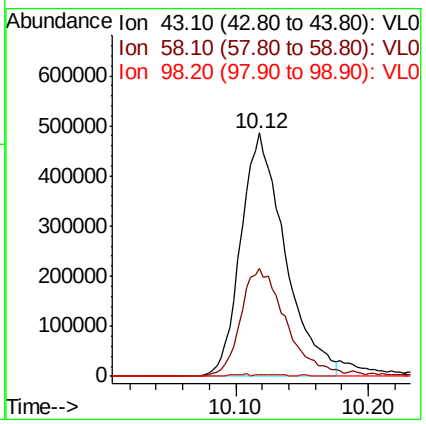


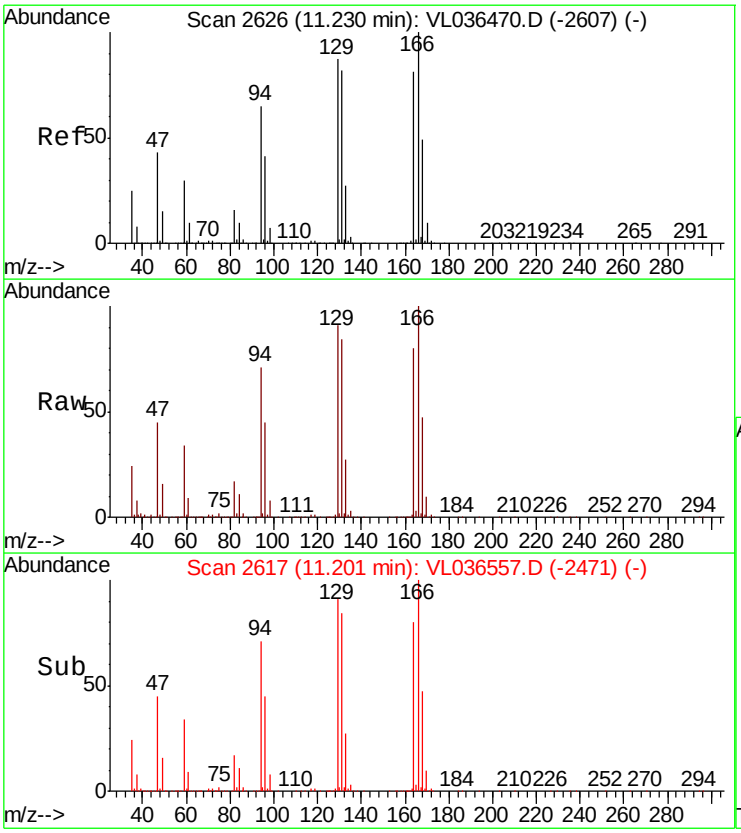
#51
2-Hexanone
Concen: 8.913 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1126224

Ion	Ratio	Lower	Upper
43	100		
58	47.1	37.7	56.5
98	0.7	0.2	0.2#

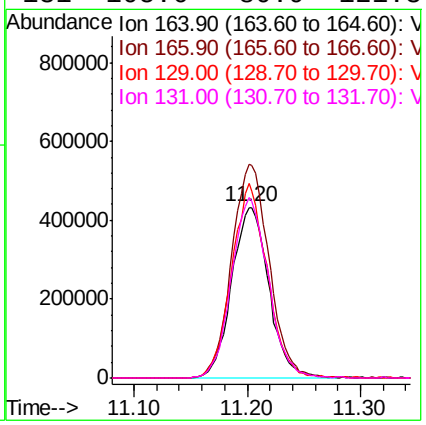


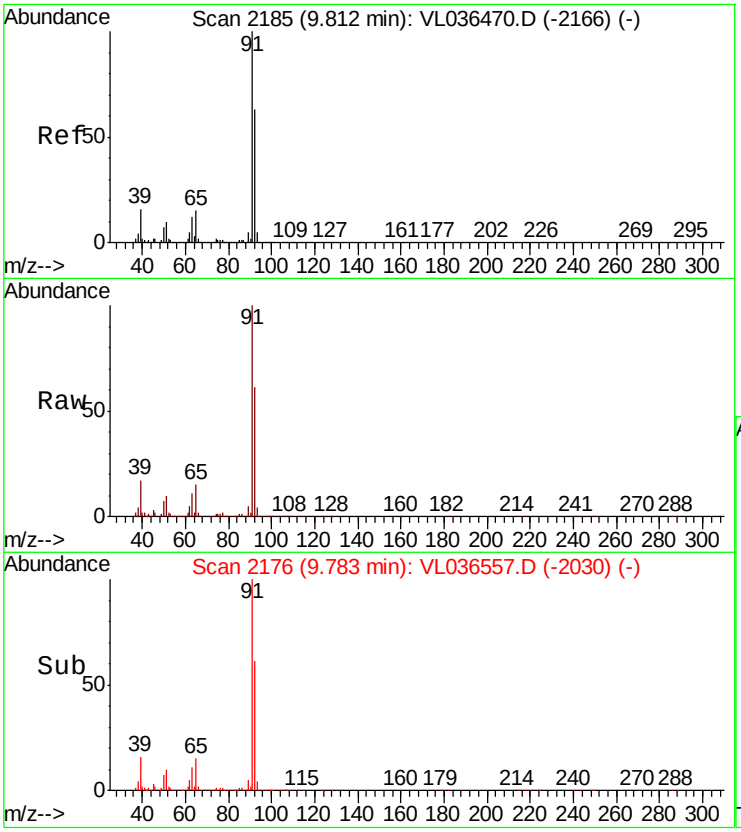


#52
Tetrachloroethene
Concen: 8.163 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion:164 Resp: 982738

Ion	Ratio	Lower	Upper
164	100		
166	125.2	98.3	147.5
129	113.9	85.8	128.8
131	105.6	80.9	121.3



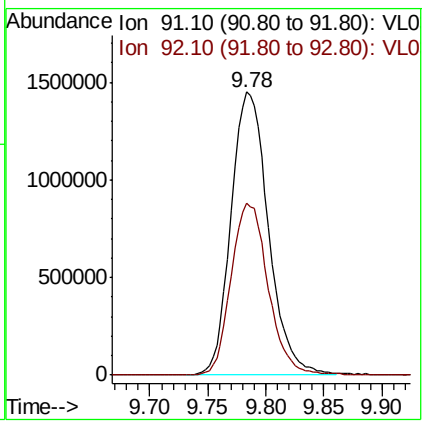


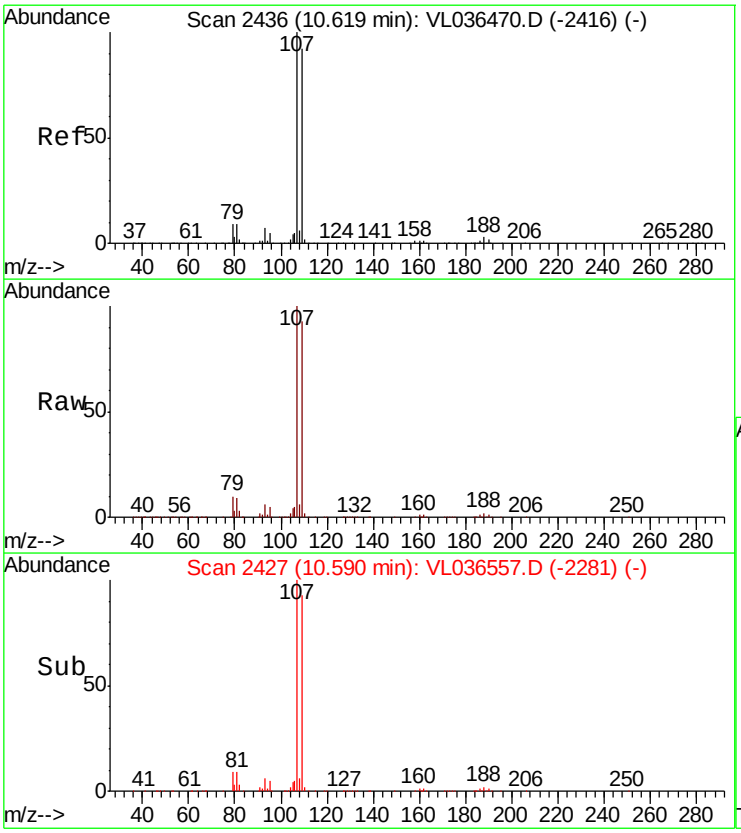
#53
Toluene
Concen: 9.292 ppbv
RT: 9.78 min Scan# 2176
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3235200

Ion	Ratio	Lower	Upper
91	100		
92	60.8	48.8	73.2

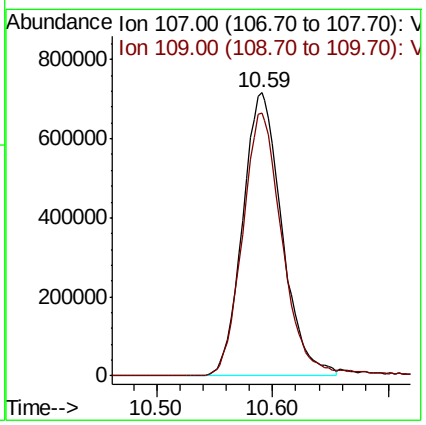


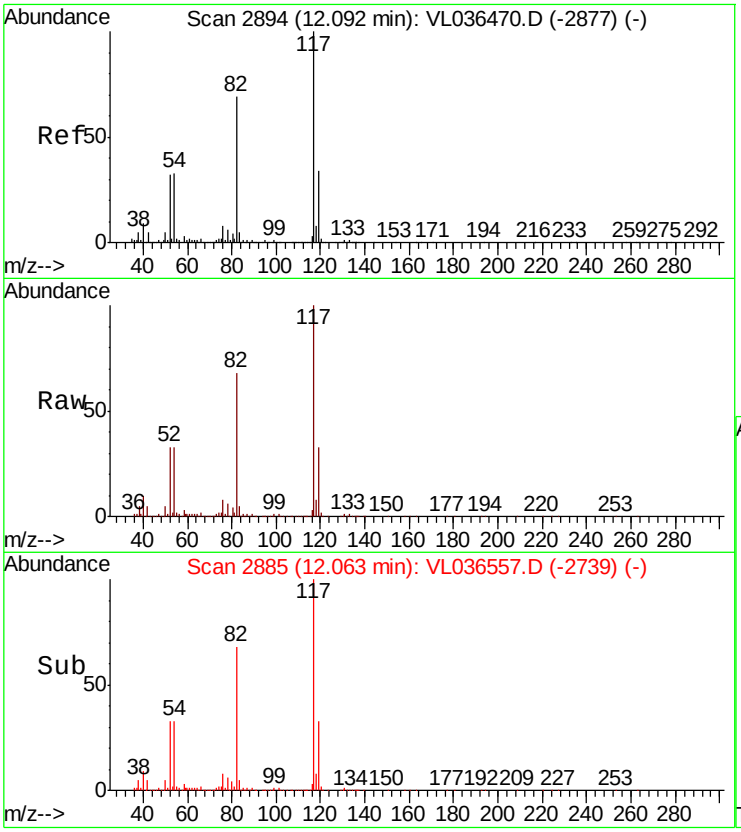


#54
1,2-Dibromoethane
Concen: 8.905 ppbv
RT: 10.59 min Scan# 2427
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion:107 Resp: 1689356

Ion	Ratio	Lower	Upper
107	100		
109	92.7	73.9	110.9



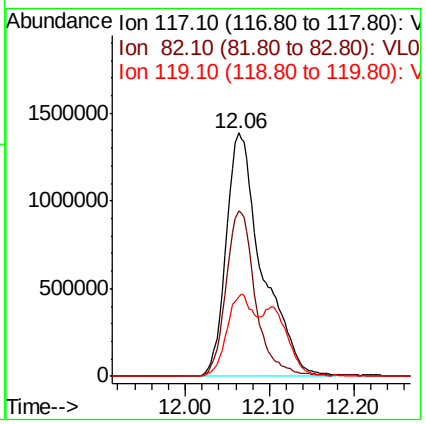


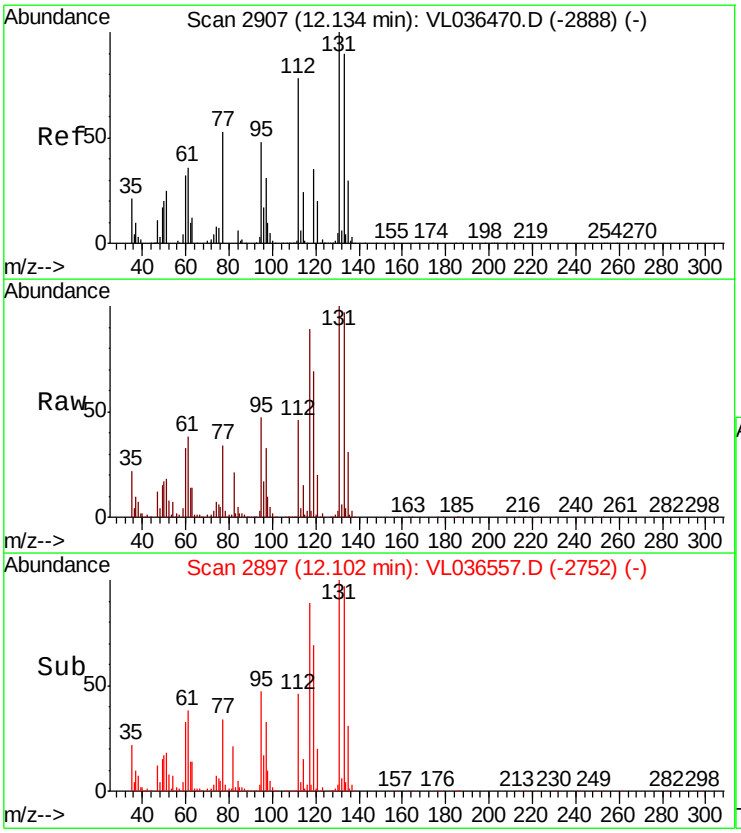
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 4121965

Ion	Ratio	Lower	Upper
117	100		
82	56.0	57.4	86.0#
119	25.1	47.4	71.0#

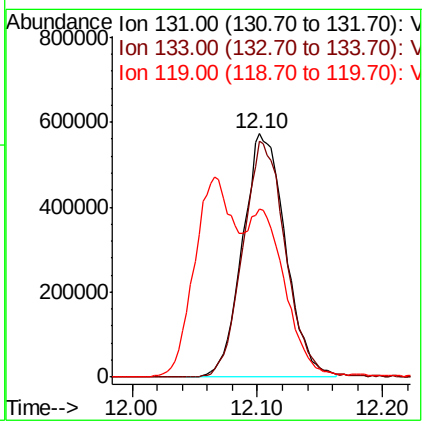


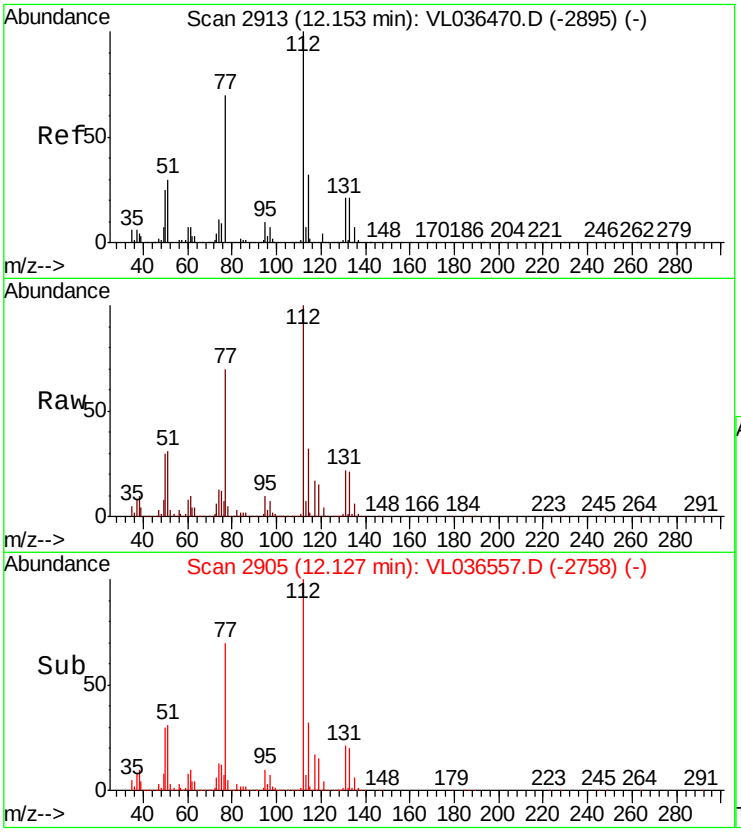


#56
1,1,1,2-Tetrachloroethane
Concen: 7.303 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion:131 Resp: 1361606

Ion	Ratio	Lower	Upper
131	100		
133	96.6	75.8	113.6
119	142.0	48.7	73.1#



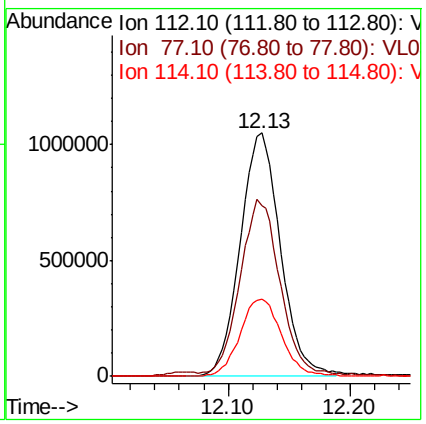


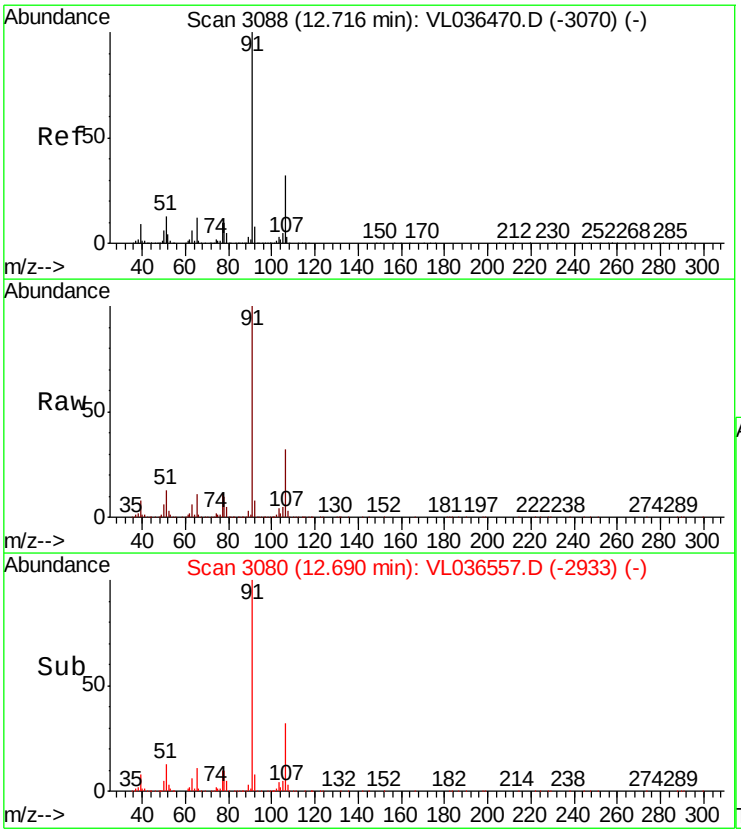
#57
Chlorobenzene
Concen: 6.821 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 2392240

Ion	Ratio	Lower	Upper
112	100		
77	69.0	56.0	84.0
114	31.7	29.0	35.4

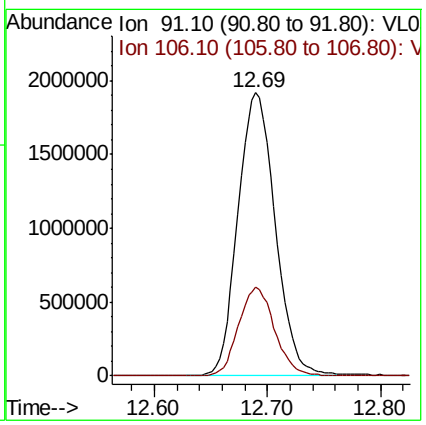


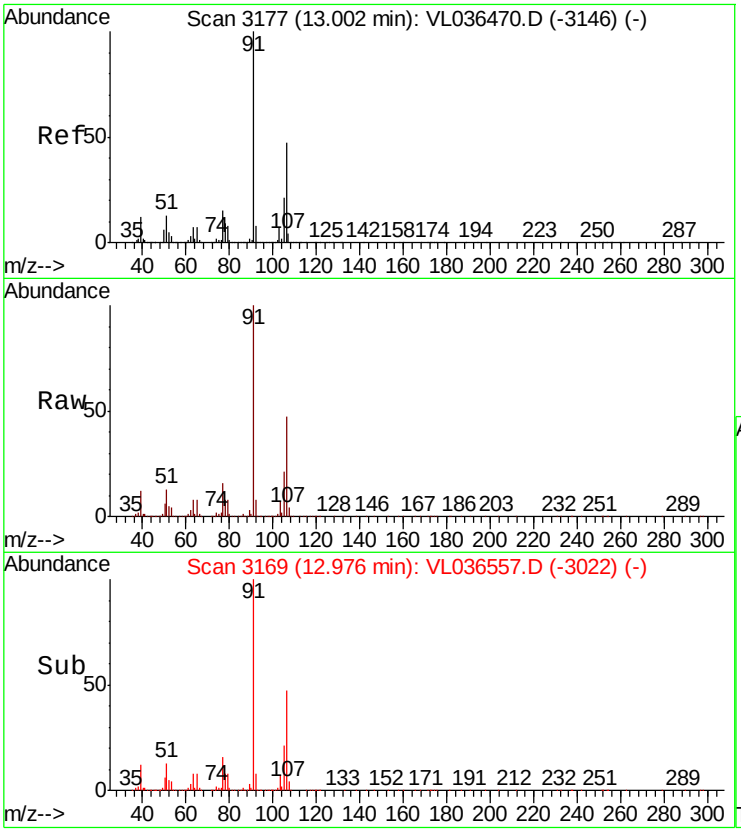


#58
Ethyl Benzene
Concen: 7.350 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 91 Resp: 4407917

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.3	37.9



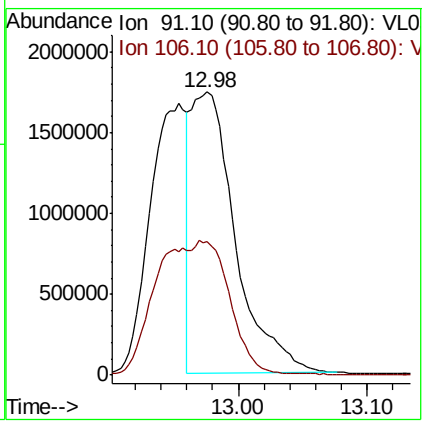


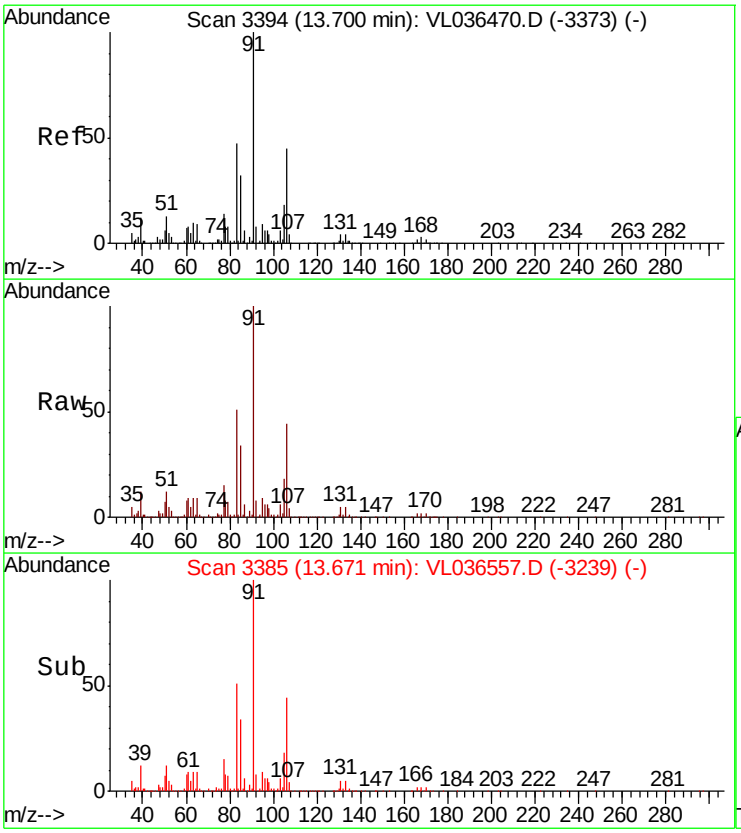
#59
m/p-Xylene
Concen: 7.937 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 4151486

Ion	Ratio	Lower	Upper
91	100		
106	79.8	35.3	52.9#

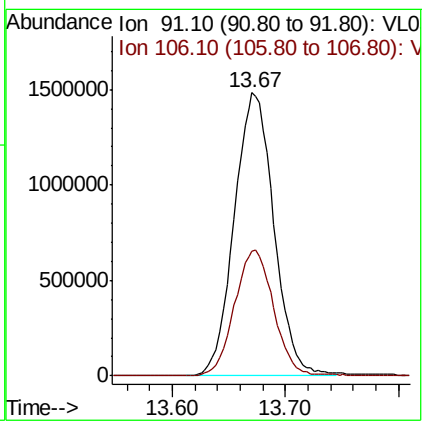


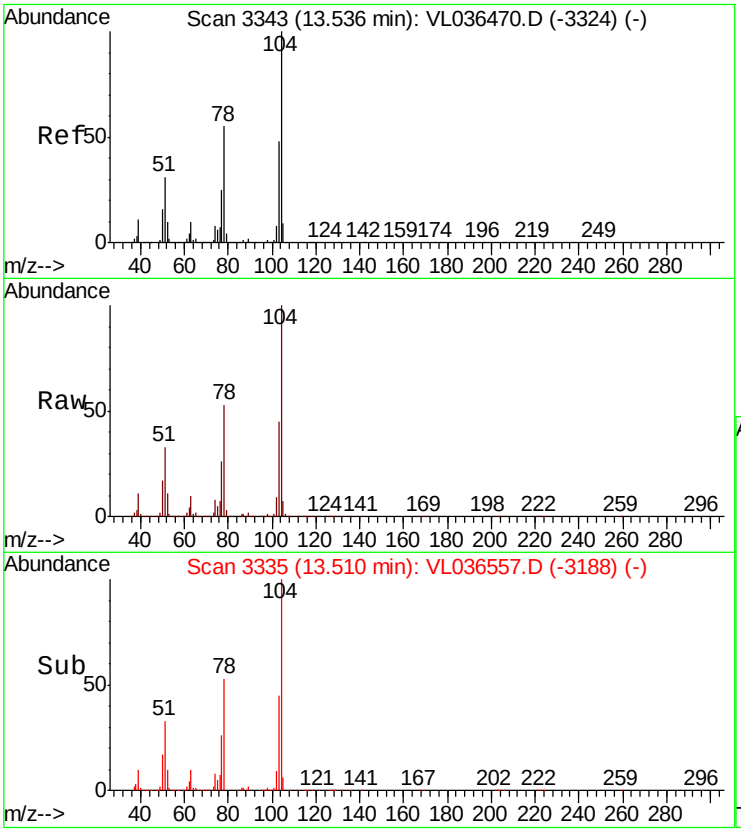


#60
o-Xylene
Concen: 7.107 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 91 Resp: 3594492

Ion	Ratio	Lower	Upper
91	100		
106	44.1	22.3	66.9



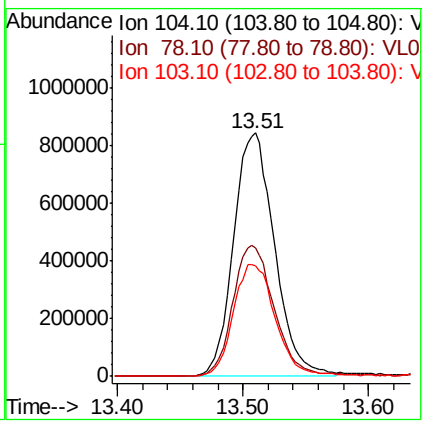


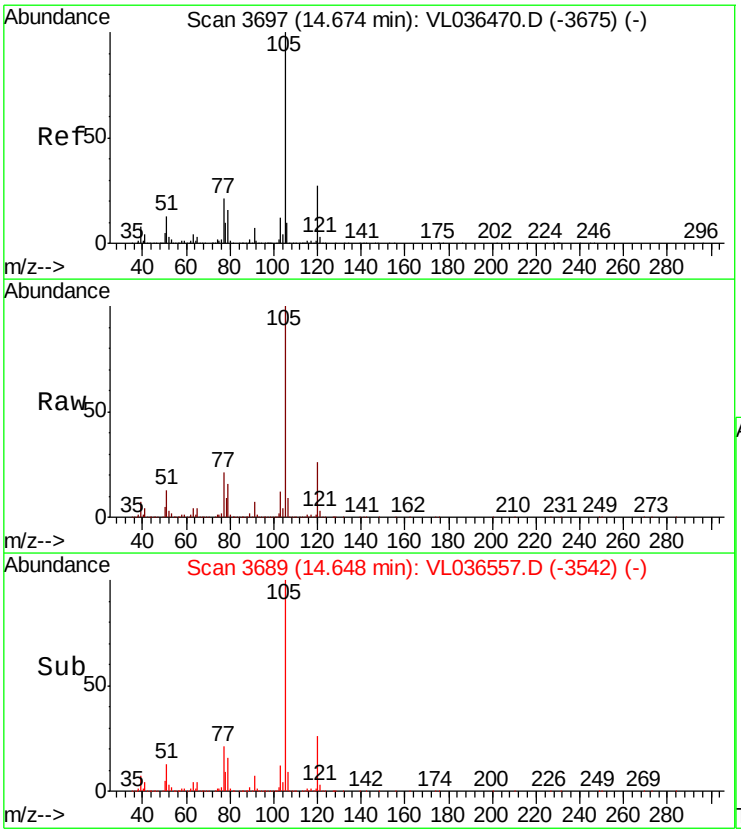
#61
Stvrene
Concen: 7.535 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 1917129

Ion	Ratio	Lower	Upper
104	100		
78	55.0	43.8	65.8
103	47.7	38.3	57.5

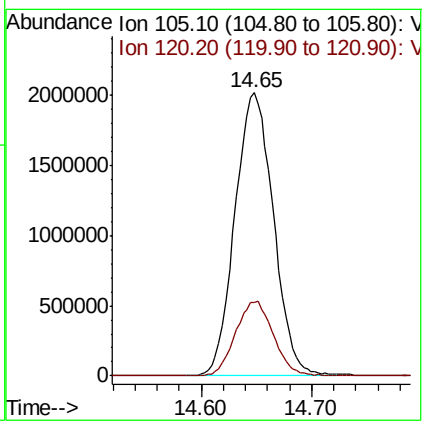


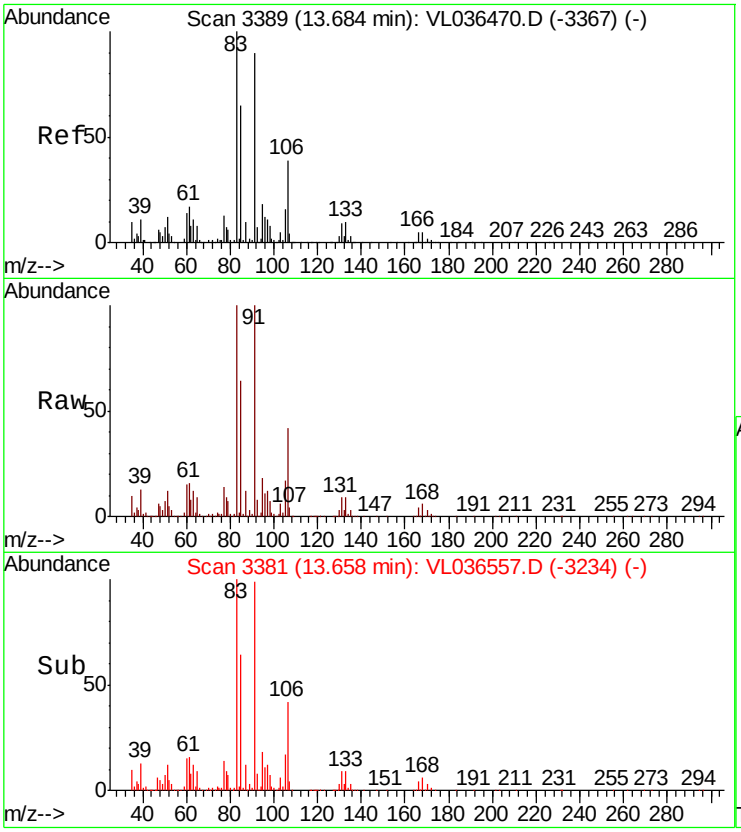


#62
Isopropylbenzene
Concen: 7.178 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion:105 Resp: 4888846

Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.6	31.0



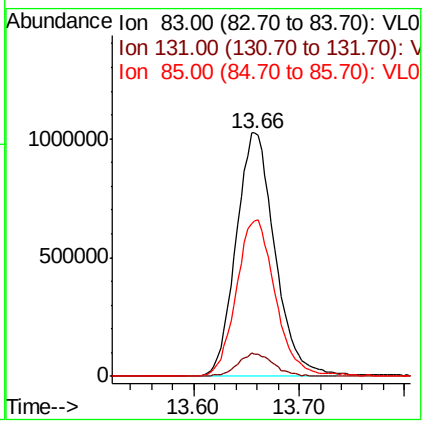


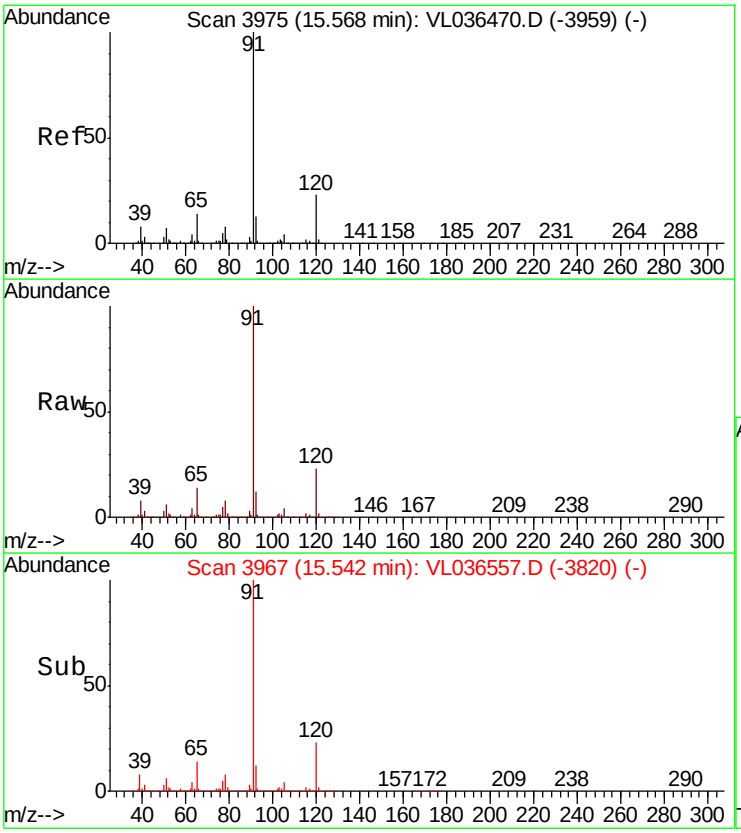
#63
1,1,2,2-Tetrachloroethane
Concen: 6.789 ppbv
RT: 13.66 min Scan# 3381
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 2619064

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.7	14.0
85	65.0	33.1	99.3

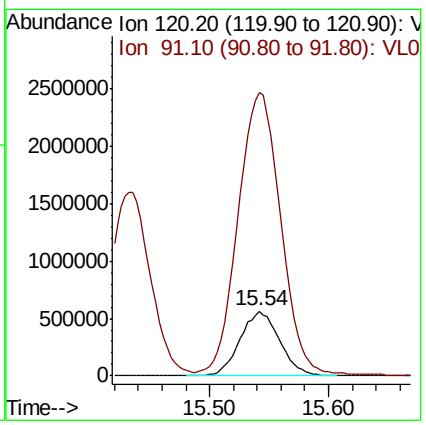


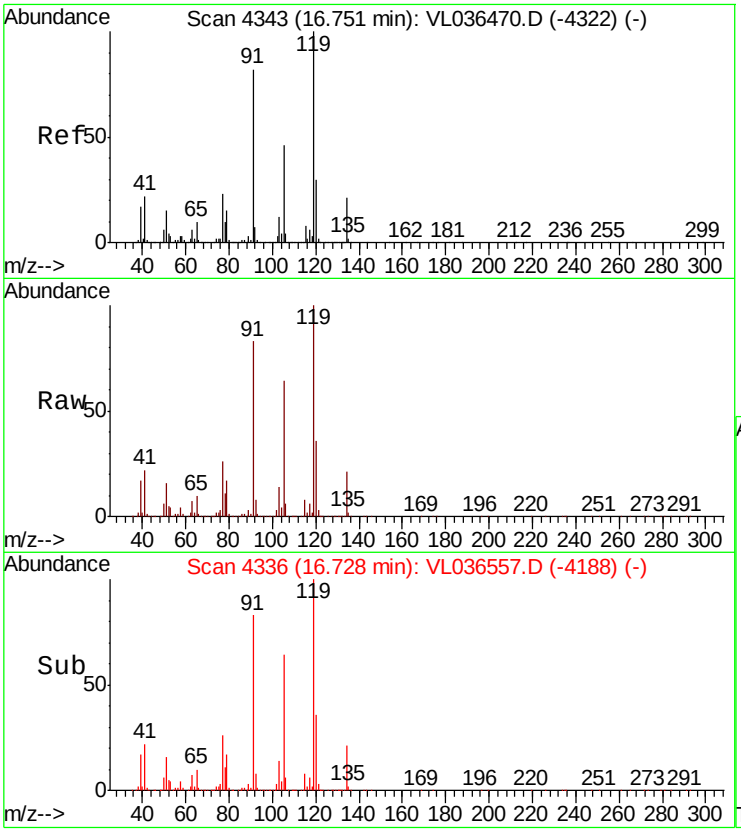


#64
n-propylbenzene
Concen: 7.751 ppbv
RT: 15.54 min Scan# 3967
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion:120 Resp: 1290614

Ion	Ratio	Lower	Upper
120	100		
91	477.7	377.4	566.2



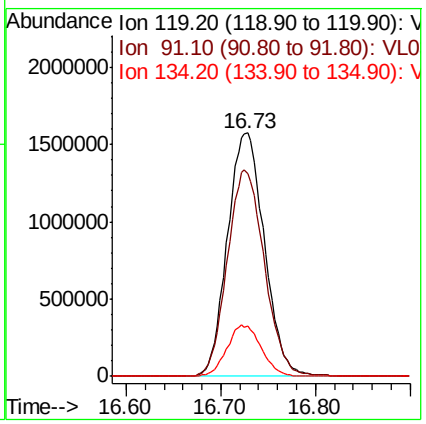


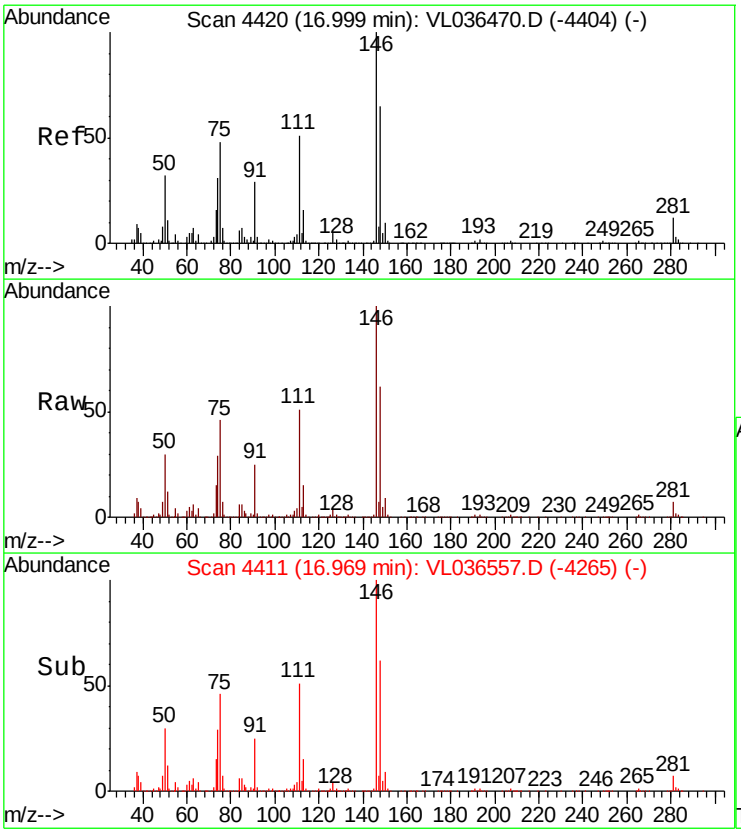
#65
tert-Butylbenzene
Concen: 7.196 ppbv
RT: 16.73 min Scan# 4336
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 4249837

Ion	Ratio	Lower	Upper
119	100		
91	86.0	67.5	101.3
134	19.8	15.8	23.8

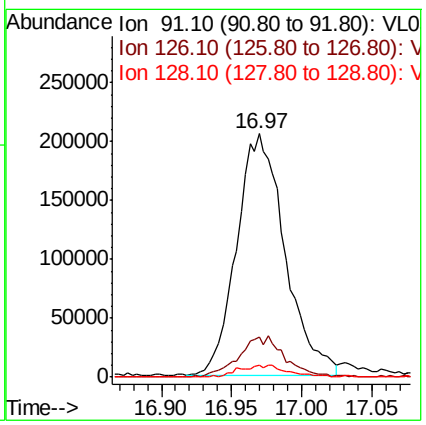


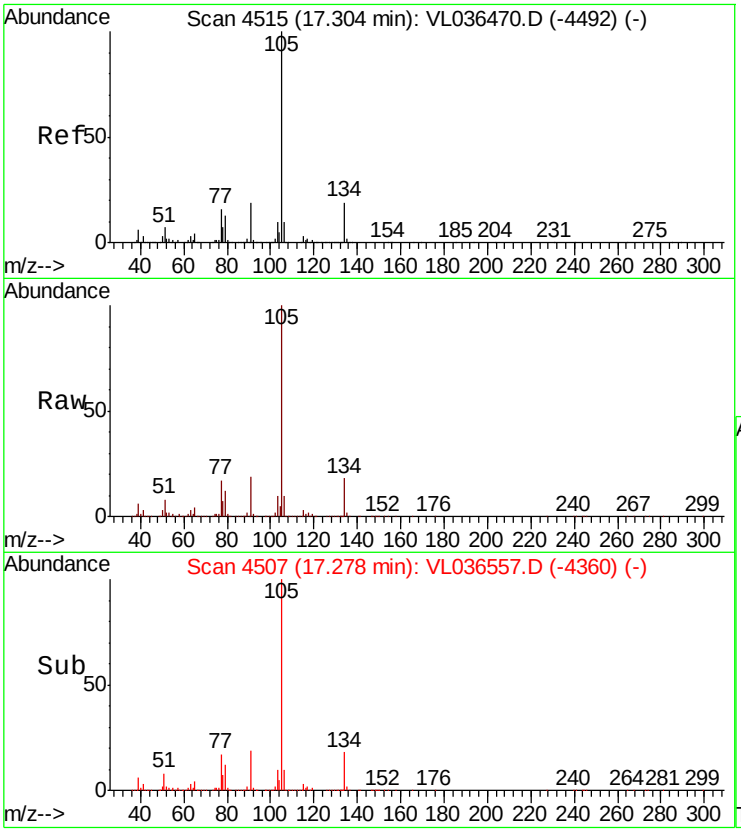


#66
Benzyl Chloride
Concen: 7.504 ppbv
RT: 16.97 min Scan# 4411
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 91 Resp: 489829

Ion	Ratio	Lower	Upper
91	100		
126	16.8	13.5	20.3
128	5.4	4.2	6.4



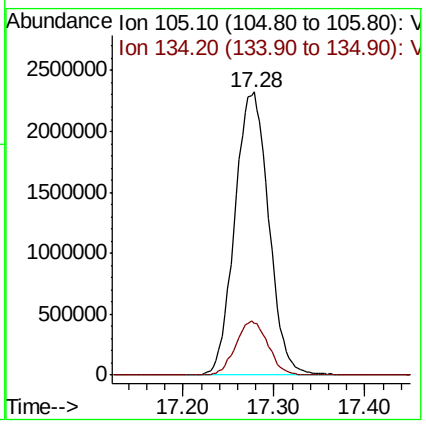


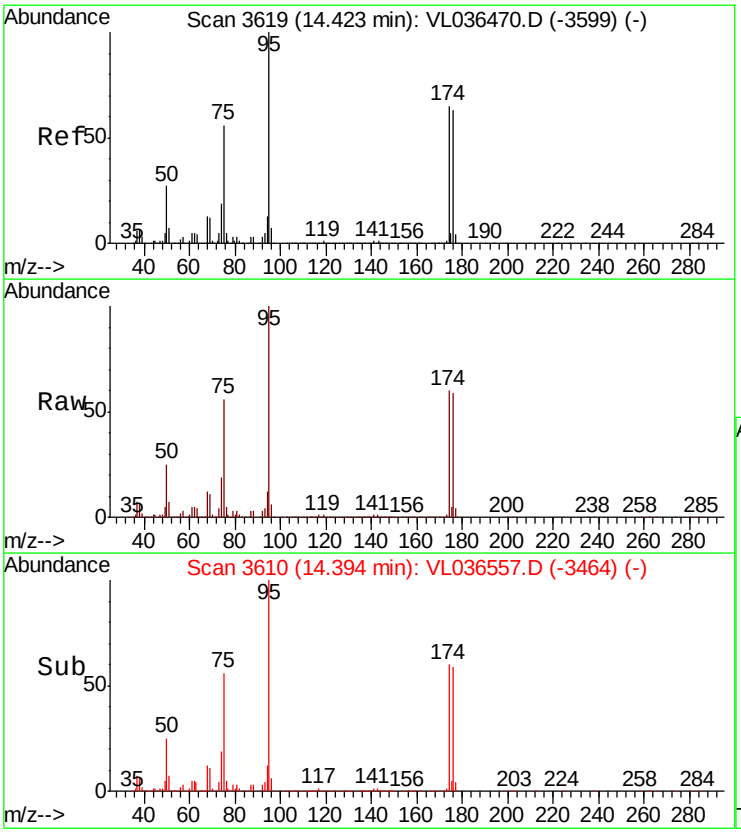
#67
sec-Butylbenzene
Concen: 7.212 ppbv
RT: 17.28 min Scan# 4507
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 6011845

Ion	Ratio	Lower	Upper
105	100		
134	18.3	14.7	22.1

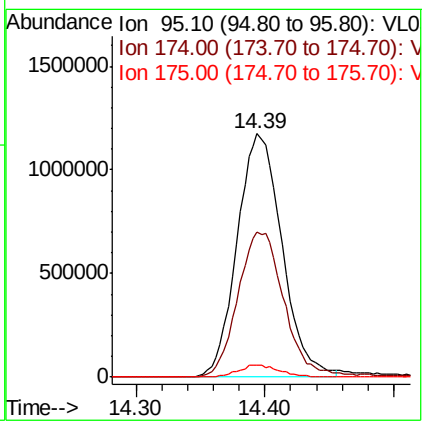


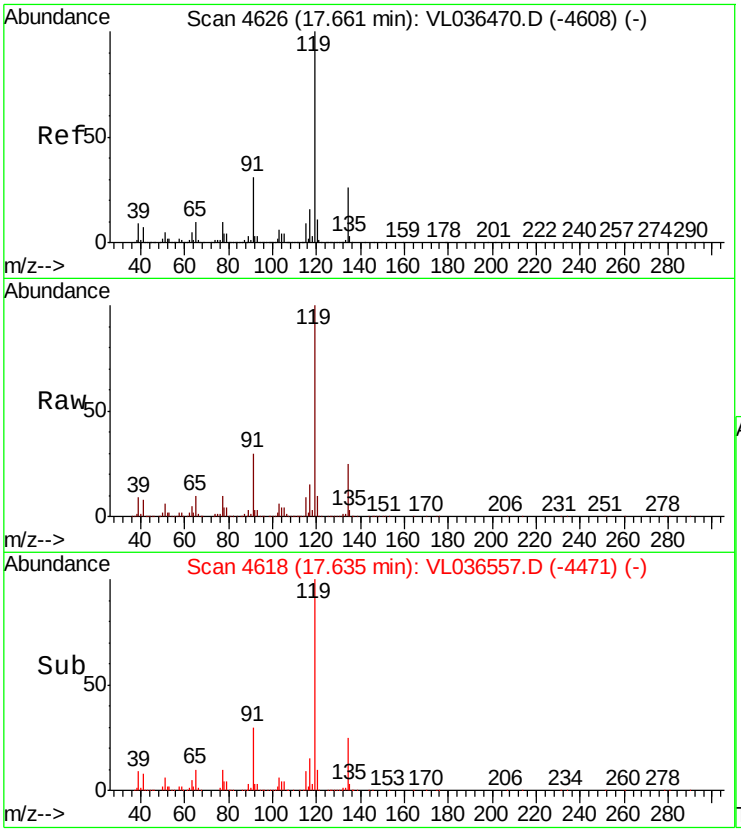


#68
1-Bromo-4-Fluorobenzene
Concen: 8.639 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 95 Resp: 2838220

Ion	Ratio	Lower	Upper
95	100		
174	62.8	51.0	76.6
175	4.7	3.9	5.9



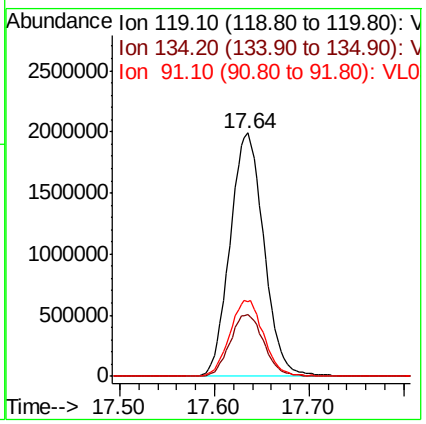


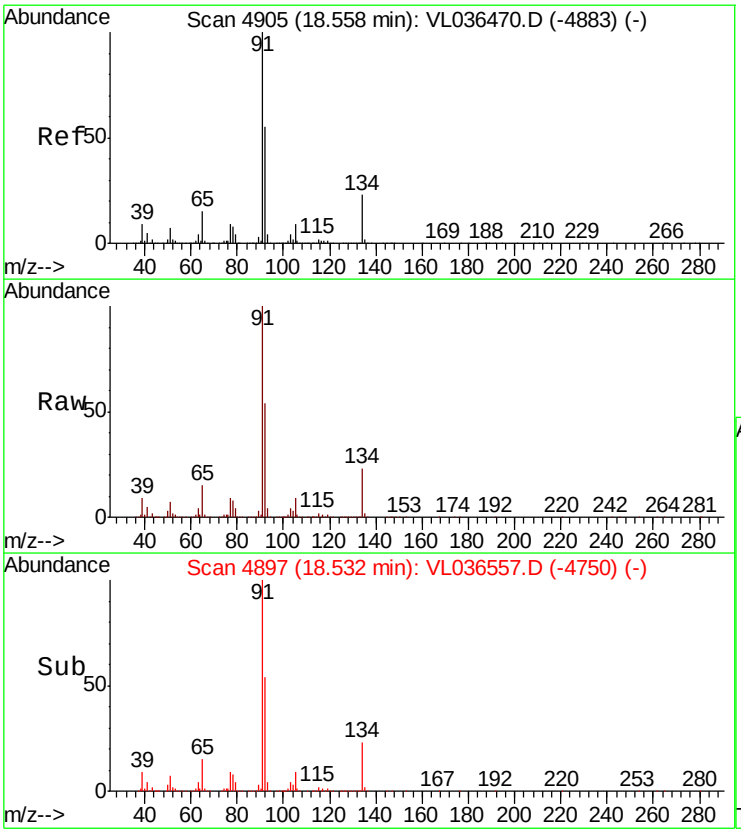
#69
p-Isopropyltoluene
Concen: 7.606 ppbv
RT: 17.64 min Scan# 4618
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 4951740

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.6	30.8
91	31.2	25.0	37.6

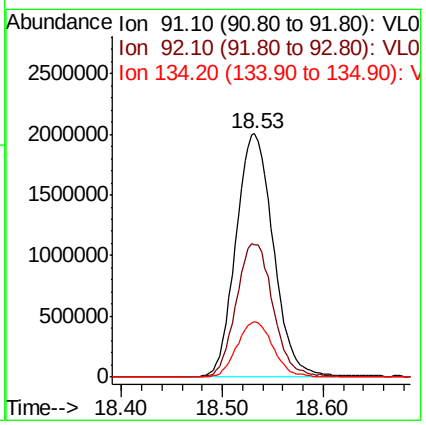


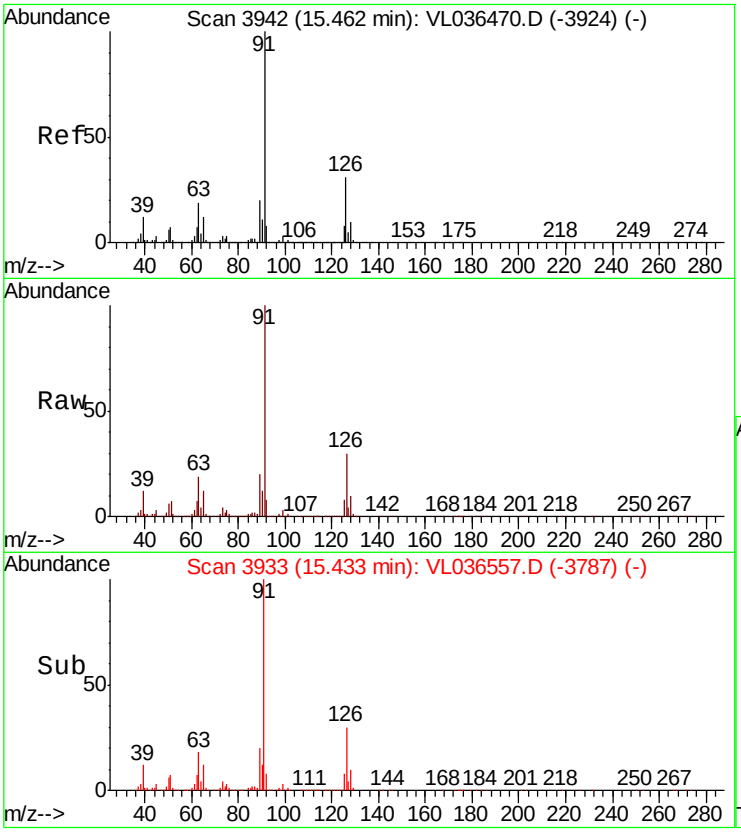


#70
n-Butylbenzene
Concen: 7.636 ppbv
RT: 18.53 min Scan# 4897
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 91 Resp: 5153999

Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.8	65.8
134	22.1	18.0	27.0



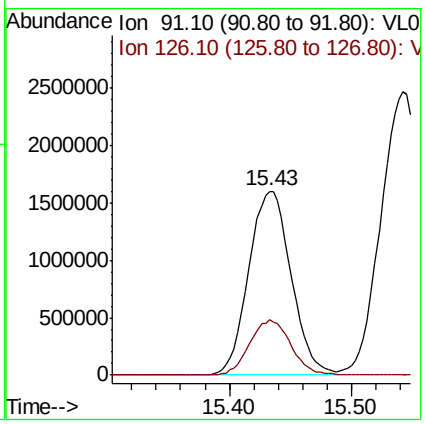


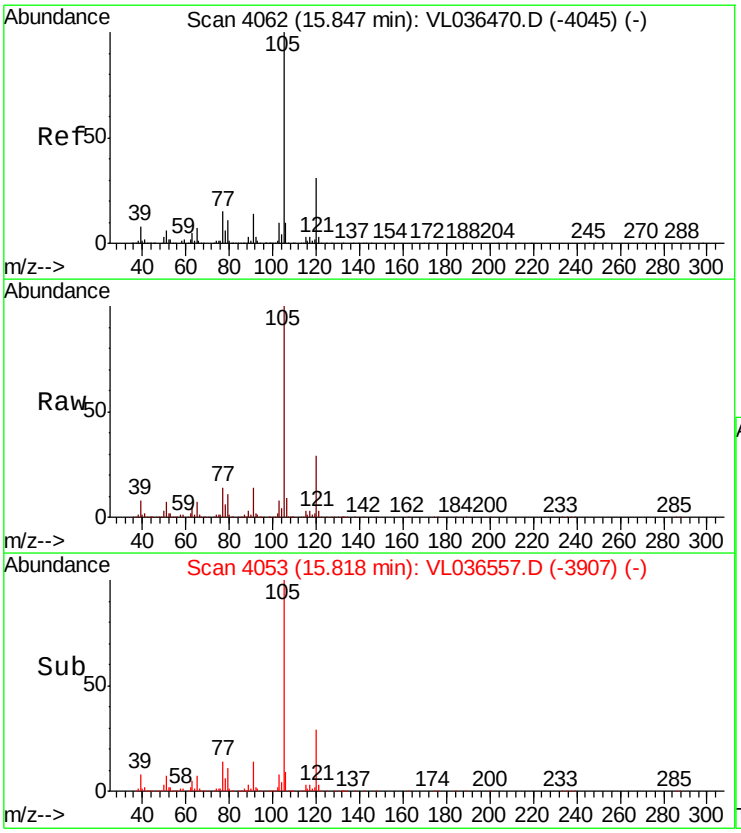
#71
2-Chlorotoluene
Concen: 7.547 ppbv
RT: 15.43 min Scan# 3933
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3851583

Ion	Ratio	Lower	Upper
91	100		
126	29.6	12.1	48.5

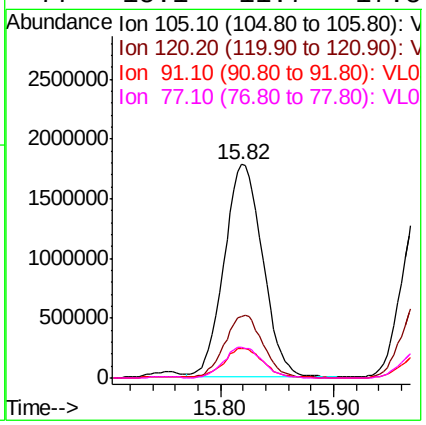


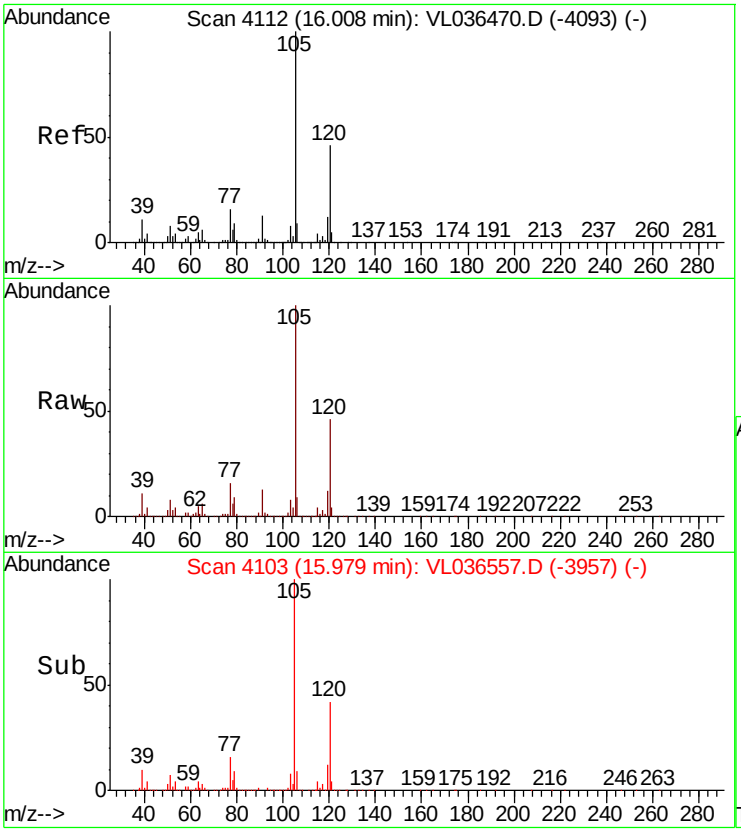


#72
4-Ethyltoluene
Concen: 7.624 ppbv
RT: 15.82 min Scan# 4053
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion:105 Resp: 4225144

Ion	Ratio	Lower	Upper
105	100		
120	30.5	24.0	36.0
91	13.8	11.0	16.4
77	15.1	11.7	17.5



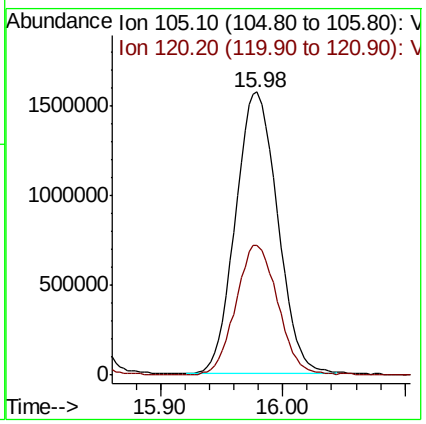


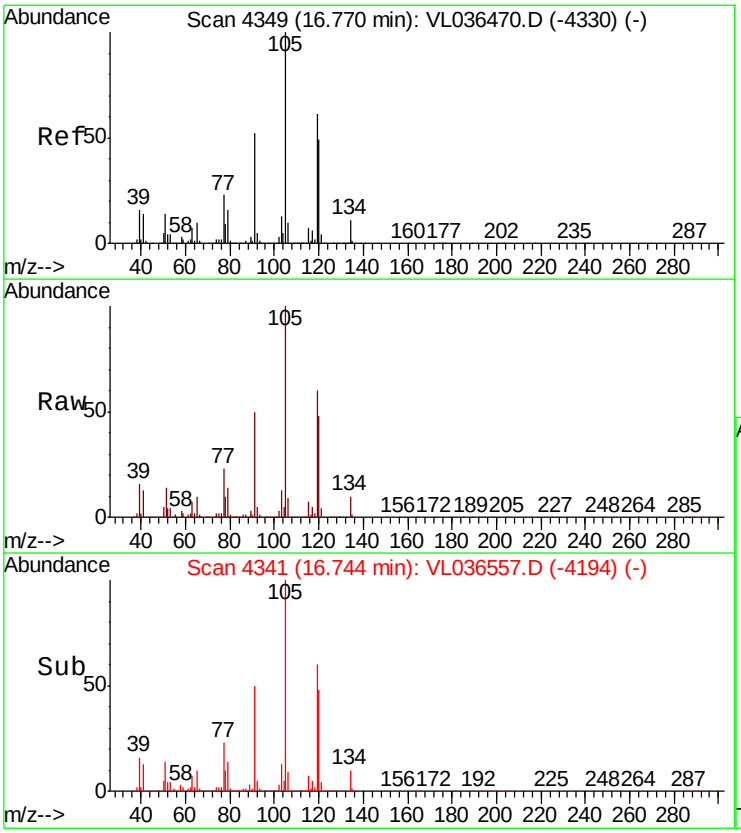
#73
1,3,5-Trimethylbenzene
Concen: 7.227 ppbv
RT: 15.98 min Scan# 4103
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 3737836

Ion	Ratio	Lower	Upper
105	100		
120	45.9	36.6	54.8

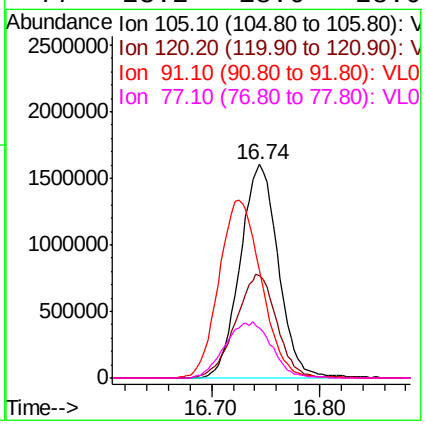


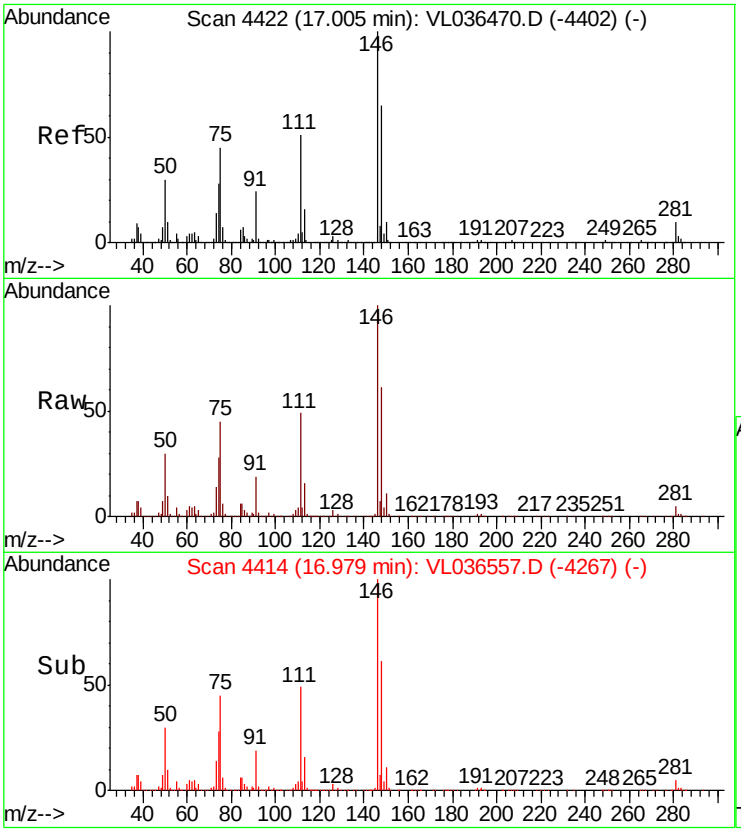


#74
1,2,4-Trimethylbenzene
Concen: 7.079 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion:105 Resp: 3918348

Ion	Ratio	Lower	Upper
105	100		
120	47.9	39.2	58.8
91	50.2	42.6	64.0
77	23.2	18.6	28.0



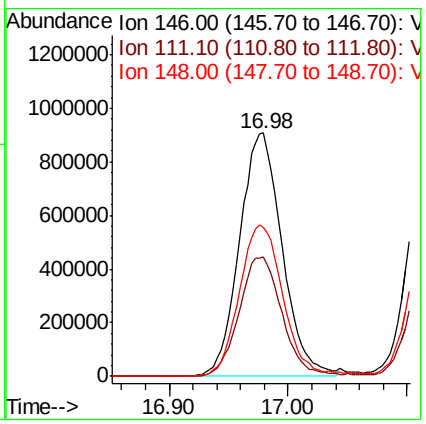


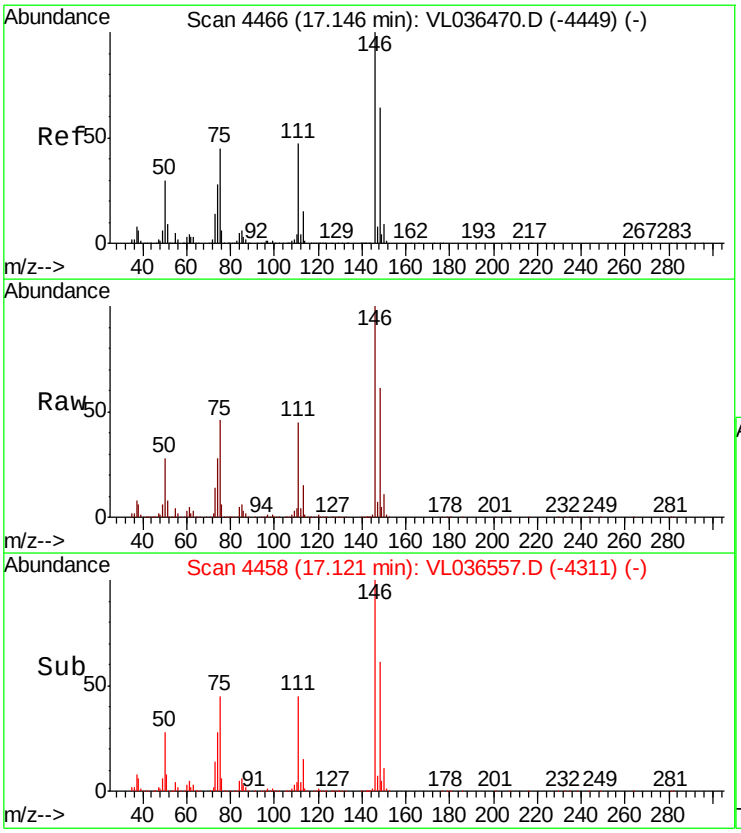
#75
1,3-Dichlorobenzene
Concen: 7.204 ppbv
RT: 16.98 min Scan# 4414
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2244523

Ion	Ratio	Lower	Upper
146	100		
111	49.4	24.5	73.5
148	64.1	32.3	96.9

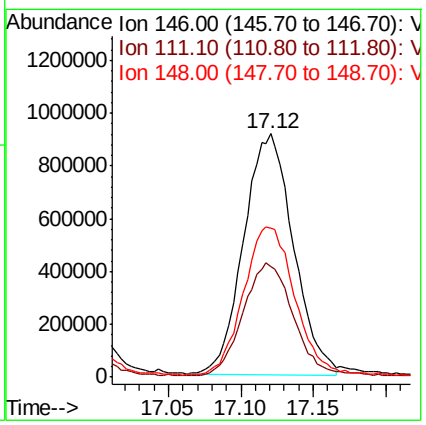


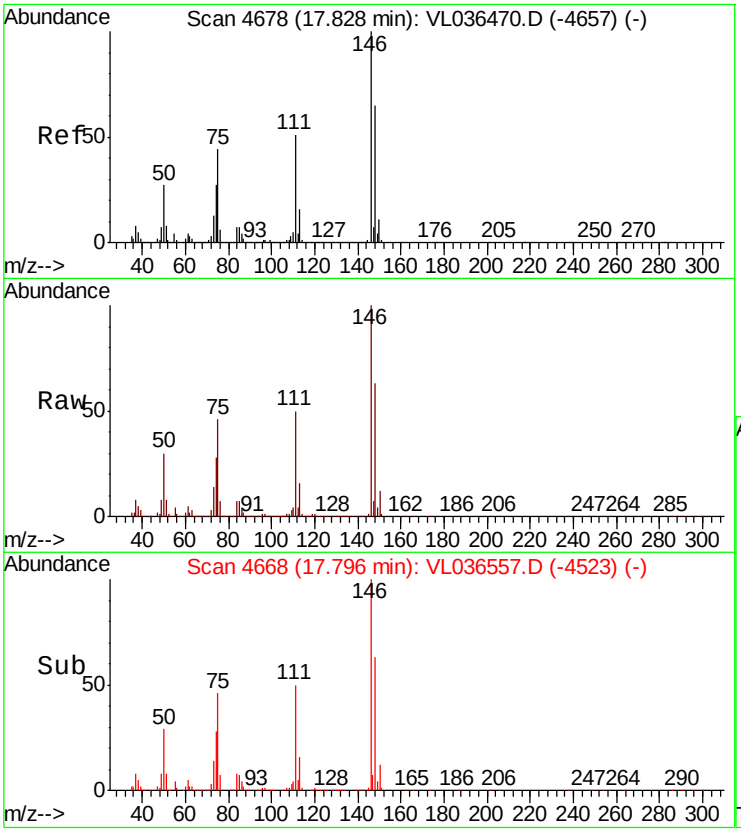


#76
1,4-Dichlorobenzene
Concen: 7.020 ppbv
RT: 17.12 min Scan# 4458
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion:146 Resp: 2171655

Ion	Ratio	Lower	Upper
146	100		
111	49.3	24.3	72.8
148	66.8	33.0	98.9



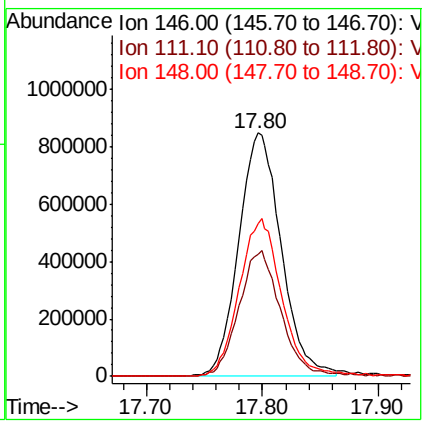


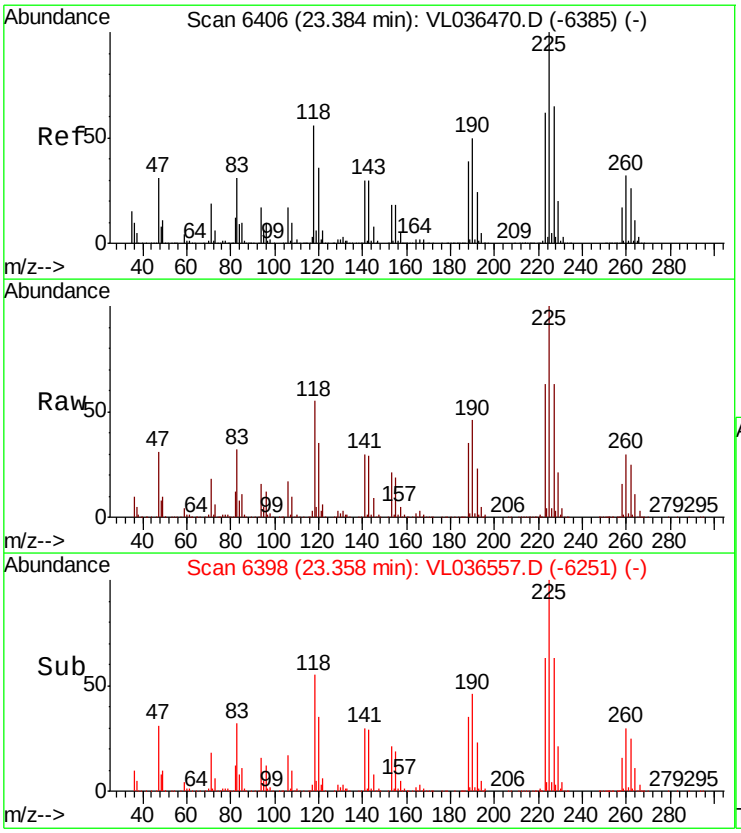
#77
1,2-Dichlorobenzene
Concen: 7.319 ppbv
RT: 17.80 min Scan# 4668
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2143320

Ion	Ratio	Lower	Upper
146	100		
111	51.2	25.5	76.5
148	65.0	32.9	98.6

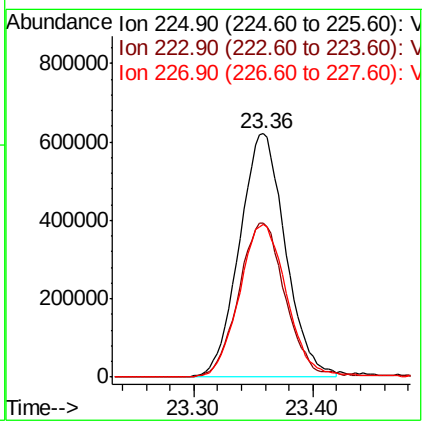


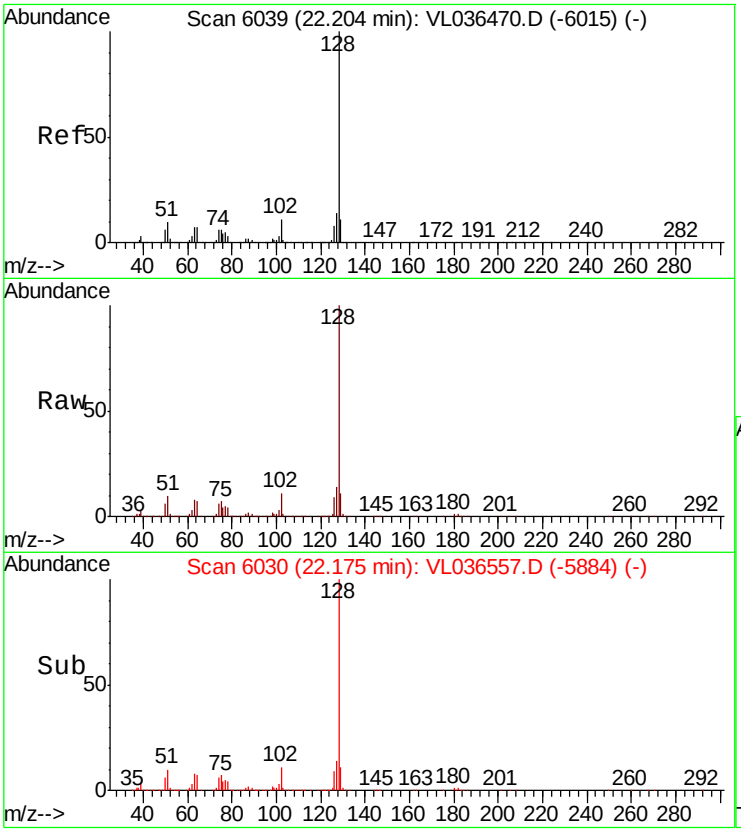


#78
Hexachloro-1,3-Butadiene
Concen: 6.318 ppbv
RT: 23.36 min Scan# 6398
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion:225 Resp: 1657086

Ion	Ratio	Lower	Upper
225	100		
223	65.0	50.6	75.8
227	65.5	52.2	78.2



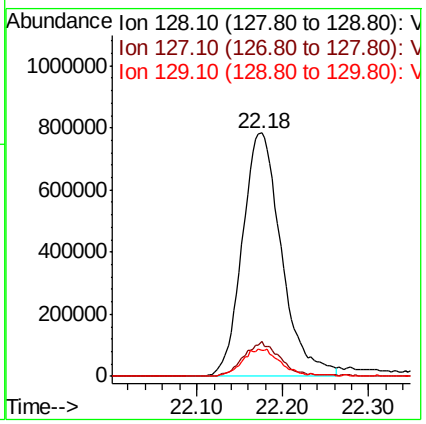


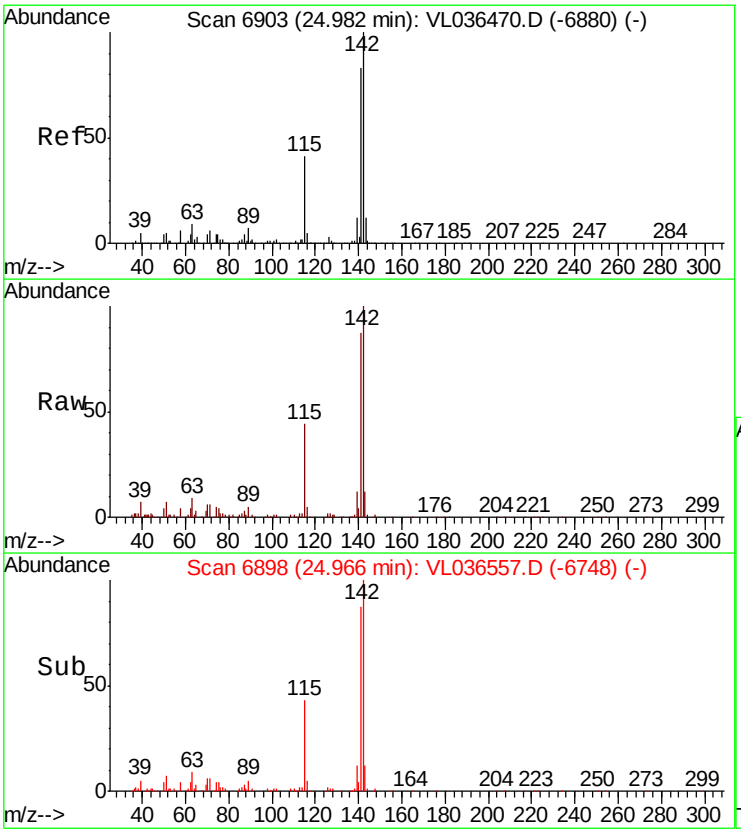
#79
Naphthalene
Concen: 7.672 ppbv
RT: 22.18 min Scan# 6030
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 2477900

Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.9	16.3
129	10.9	9.0	13.4

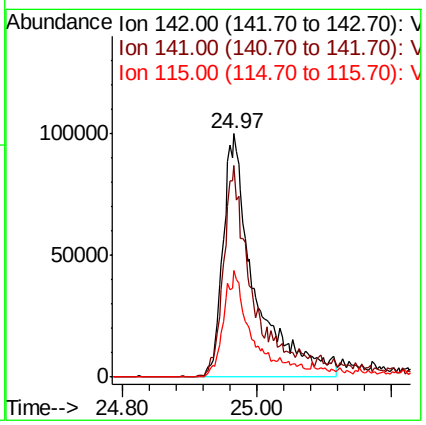


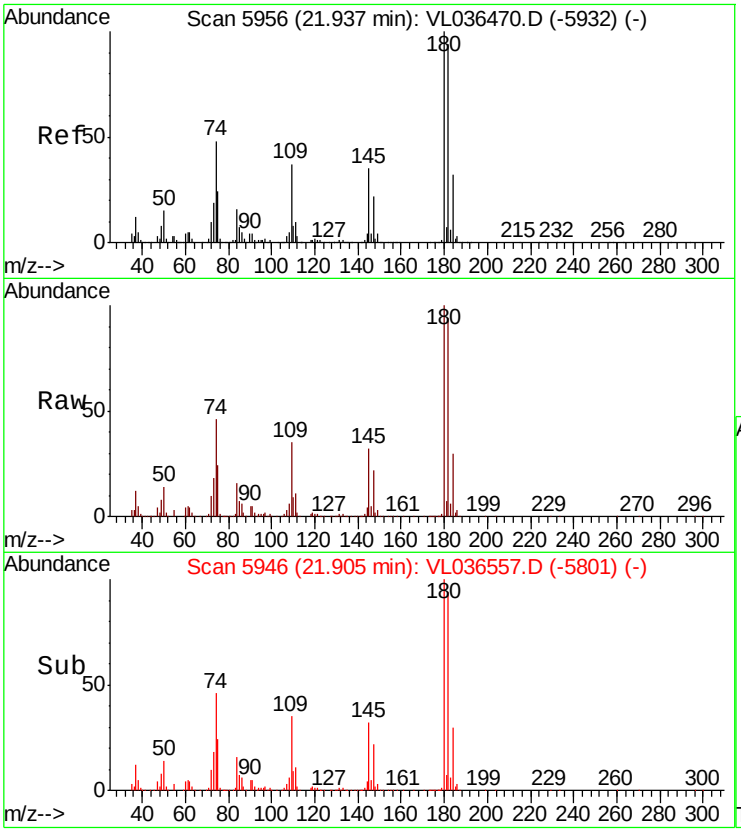


#80
Naphthalene,2-methyl-
Concen: 5.155 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion:142 Resp: 328359

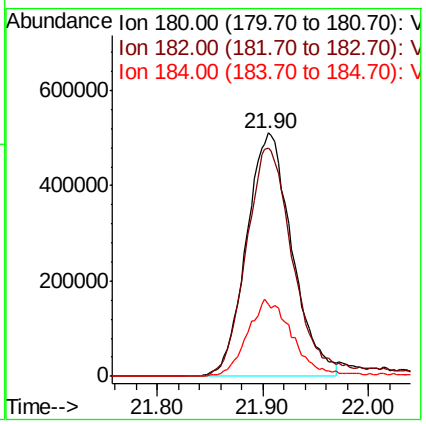
Ion	Ratio	Lower	Upper
142	100		
141	85.4	67.8	101.8
115	43.2	34.0	51.0





#81
1,2,4-Trichlorobenzene
Concen: 7.687 ppbv
RT: 21.90 min Scan# 5946
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 1532993

Ion	Ratio	Lower	Upper
180	100		
182	103.4	80.8	121.2
184	31.4	25.0	37.4