Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
Data File : VL038715.D
Acq On : 23 Mar 2022 14:04
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Mar 24 04:32:55 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	790189	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2145412	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2390506	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1442361	7.87	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 78.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	966343	9.097	ppbv	99
3) Chlorodifluoromethane	2.98	51	848659	10.169	ppbv	100
4) Chloromethane	3.13	50	458998	10.017	ppbv	99
5) Vinyl Chloride	3.25	62	463967	9.966	ppbv	99
6) Bromomethane	3.47	94	264507	10.657	ppbv	100
7) Chloroethane	3.55	64	161117	10.453	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	1117723	10.539	ppbv	99
9) Propene	3.01	41	404116	10.030	ppbv	100
10) Heptane	8.11	43	985745	10.235	ppbv	99
11) Trichlorofluoromethane	3.94	101	1022162	10.903	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	785233	10.880	ppbv	98
13) Ethanol	3.60	45	14431	3.247	ppbv #	1
14) Bromoethene	3.73	108	356118	11.103	ppbv	97
15) Acetone	3.84	43	693901	10.177	ppbv	99
16) 1,3-Butadiene	3.32	39	414324	10.708	ppbv	100
17) tert-Butyl alcohol	4.27	59	732824	12.306	ppbv	100
18) 1,1-Dichloroethene	4.28	96	353287	10.896	ppbv	96
19) Isopropyl Alcohol	3.95	45	417179	11.036	ppbv #	98
20) Methylene Chloride	4.33	84	294616	10.259	ppbv	98
21) Allyl Chloride	4.40	41	550214	11.212	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	390163	11.602	ppbv	98
23) Vinyl Acetate	5.06	43	798455	12.093	ppbv	100
24) 1,1-Dichloroethane	5.00	63	718186	11.045	ppbv	99
25) Ethyl Acetate	5.66	43	1765083	10.284	ppbv	100
26) Hexane	5.67	57	779947	10.150	ppbv	99
27) Carbon Disulfide	4.54	76	922113	12.233	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	677821	11.841	ppbv	98
29) Chloroform	5.74	83	1260938	10.248	ppbv	97
30) Cyclohexane	7.11	84	676791	10.129	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	779221	10.784	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	1252824	10.551	ppbv	99
34) 2-Butanone	5.23	43	817588	9.628	ppbv	98
35) Carbon Tetrachloride	7.00	117	1318028	10.588	ppbv	98
36) Benzene	6.87	78	1653460	9.986	ppbv	99
37) 1,2-Dichloroethane	6.29	62	871938	10.352	ppbv	99
38) Trichloroethene	7.82	130	718716	10.362	ppbv	98
39) 1,2-Dichloropropane	7.60	63	634771	9.806	ppbv	98
40) 1,4-Dioxane	7.81	88	227213	10.108	ppbv	97
41) Tetrahydrofuran	6.03	42	635025	10.048	ppbv	98
42) Bromodichloromethane	7.77	83	1366542	10.821	ppbv	100
43) Methyl Methacrylate	8.00	69	662314	10.774	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
Data File : VL038715.D
Acq On : 23 Mar 2022 14:04
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Mar 24 04:32:55 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	2705711	9.732	ppbv		100
45) t-1,3-Dichloropropene	9.26	75	773362	12.373	ppbv		99
46) cis-1,3-Dichloropropene	8.68	75	958320	11.339	ppbv		100
47) 1,1,2-Trichloroethane	9.46	97	670433	9.701	ppbv		98
48) Dibromochloromethane	10.28	129	1184473	10.942	ppbv		99
49) Bromoform	13.02	173	936395	10.613	ppbv		100
50) 4-Methyl-2-Pentanone	8.72	43	1603343	10.156	ppbv		99
51) 2-Hexanone	10.11	43	1232822	10.872	ppbv		98
52) Tetrachloroethene	11.20	164	599010	9.886	ppbv		97
53) Toluene	9.79	91	1874577	10.536	ppbv		100
54) 1,2-Dibromoethane	10.59	107	988846	10.479	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.10	131	807684	8.150	ppbv		98
57) Chlorobenzene	12.13	112	1363415	7.908	ppbv		99
58) Ethyl Benzene	12.69	91	2410737	8.626	ppbv		99
59) m/p-Xylene	12.98	91	2183692	8.933	ppbv	#	41
60) o-Xylene	13.67	91	1922838	8.284	ppbv		99
61) Styrene	13.51	104	1165863	9.262	ppbv		99
62) Isopropylbenzene	14.64	105	2865409	8.212	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.65	83	1264323	7.032	ppbv		100
64) n-propylbenzene	15.54	120	766376	8.370	ppbv		100
65) tert-Butylbenzene	16.72	119	2513106	8.015	ppbv		98
66) Benzyl Chloride	16.97	91	604104	10.175	ppbv		99
67) sec-Butylbenzene	17.27	105	3609899	8.051	ppbv		99
69) p-Isopropyltoluene	17.63	119	2998587	8.194	ppbv		100
70) n-Butylbenzene	18.53	91	3134637	8.304	ppbv		100
71) 2-Chlorotoluene	15.43	91	2088490	8.064	ppbv		99
72) 4-Ethyltoluene	15.82	105	2362099	8.621	ppbv		99
73) 1,3,5-Trimethylbenzene	15.98	105	2078459	8.325	ppbv		99
74) 1,2,4-Trimethylbenzene	16.74	105	2207922	8.119	ppbv		97
75) 1,3-Dichlorobenzene	16.97	146	1355786	7.827	ppbv		99
76) 1,4-Dichlorobenzene	17.11	146	1322824	7.679	ppbv		98
77) 1,2-Dichlorobenzene	17.79	146	1333148	7.769	ppbv		99
78) Hexachloro-1,3-Butadiene	23.35	225	1202880	7.584	ppbv		100
79) Naphthalene	22.17	128	2217844	10.674	ppbv		99
80) Naphthalene,2-methyl-	24.95	142	486002	8.723	ppbv		99
81) 1,2,4-Trichlorobenzene	21.90	180	1268361	8.917	ppbv		99

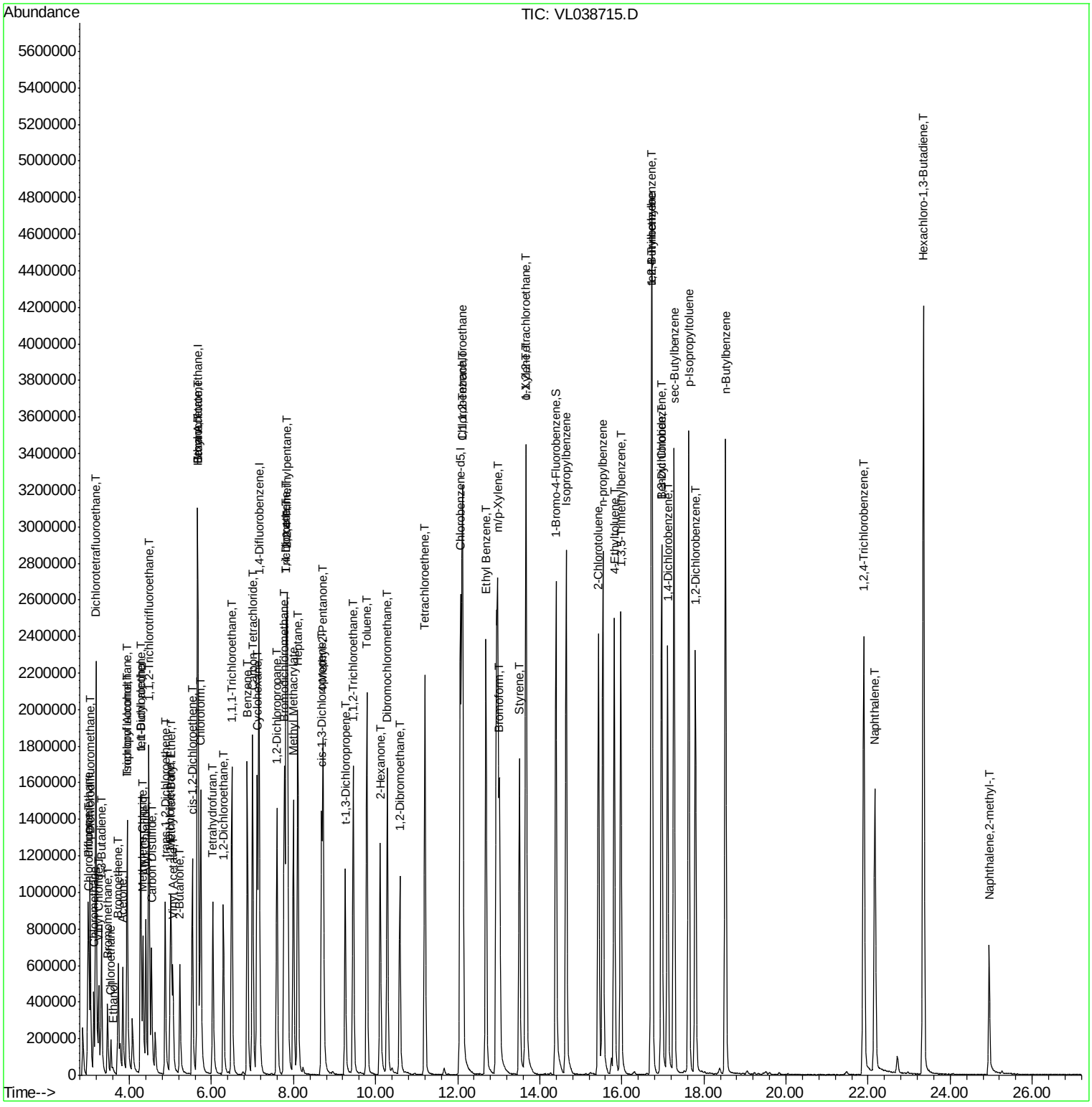
(#) = qualifier out of range (m) = manual integration (+) = signals summed

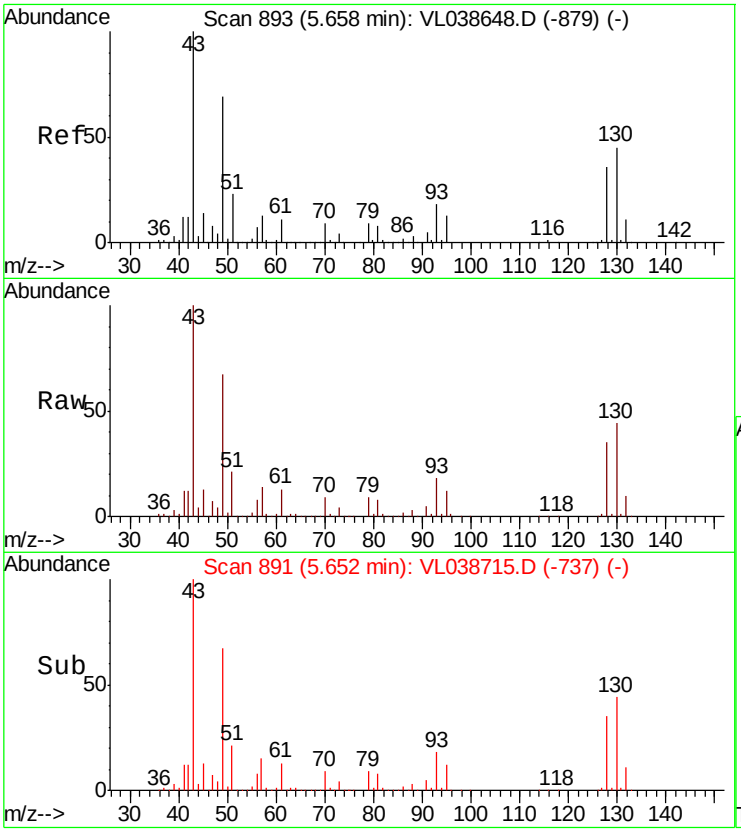
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
Data File : VL038715.D
Acq On : 23 Mar 2022 14:04
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Mar 24 04:32:55 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration



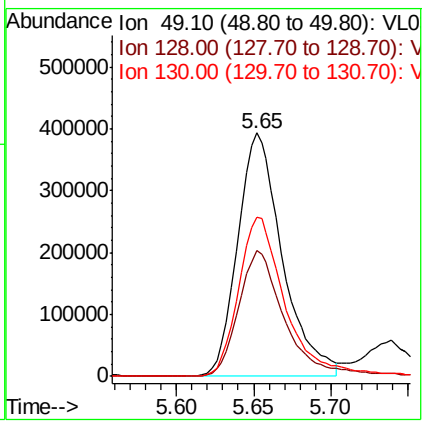


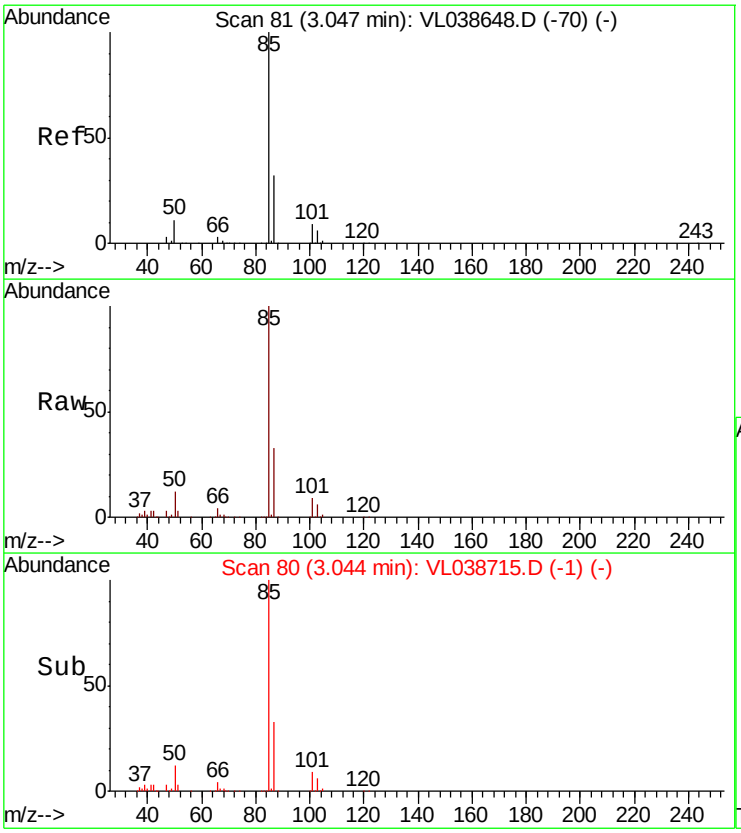
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 790189

Ion	Ratio	Lower	Upper
49	100		
128	54.3	26.2	78.6
130	69.5	33.7	101.1

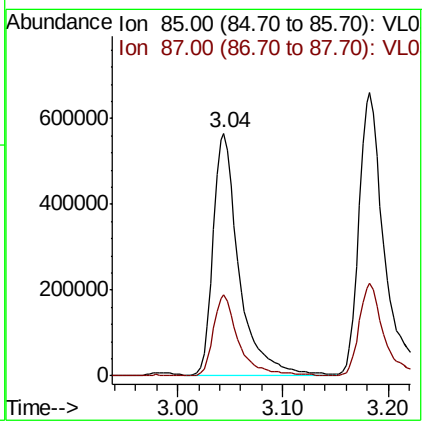


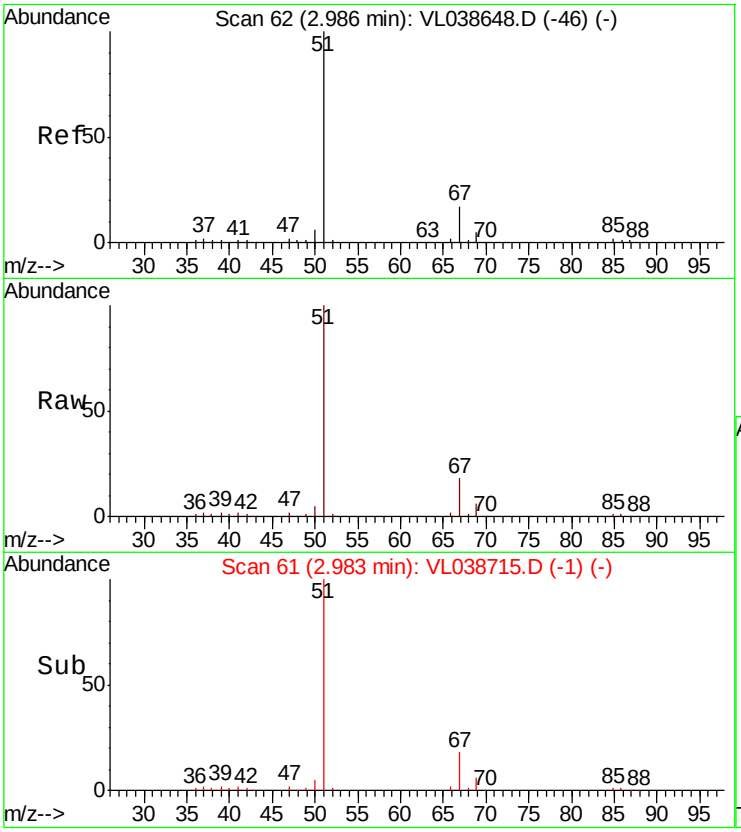


#2
Dichlorodifluoromethane
Concen: 9.097 ppbv
RT: 3.04 min Scan# 80
Delta R.T. -0.00 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 85 Resp: 966343

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.0	39.0



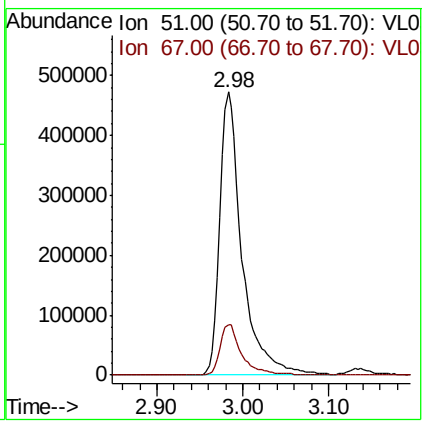


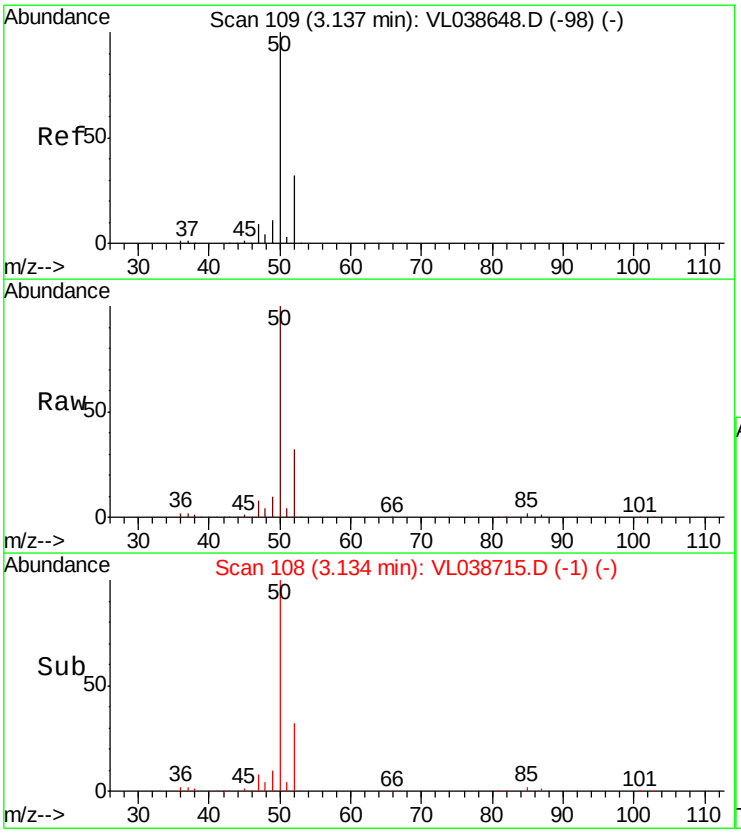
#3
Chlorodifluoromethane
Concen: 10.169 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 848659

Ion	Ratio	Lower	Upper
51	100		
67	17.7	14.1	21.1

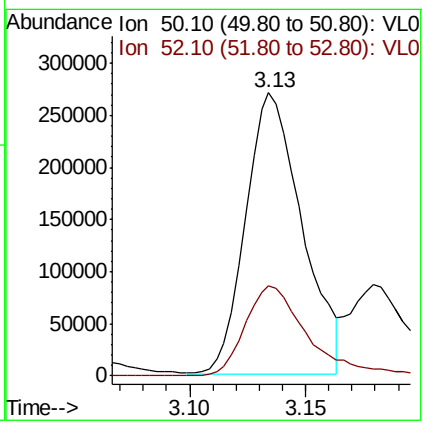


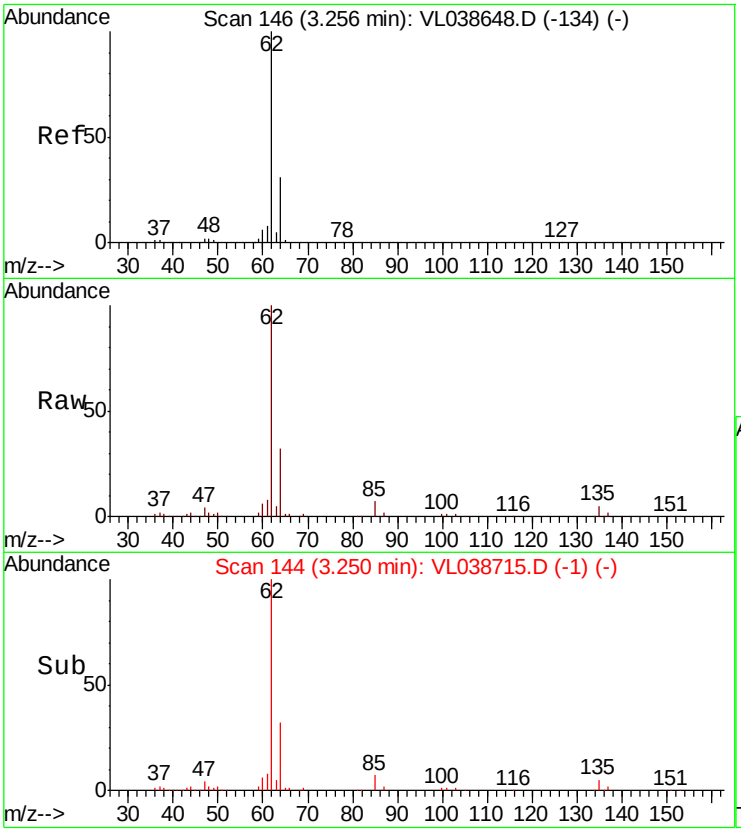


#4
Chloromethane
Concen: 10.017 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.00 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 50 Resp: 458998

Ion	Ratio	Lower	Upper
50	100		
52	32.3	25.5	38.3



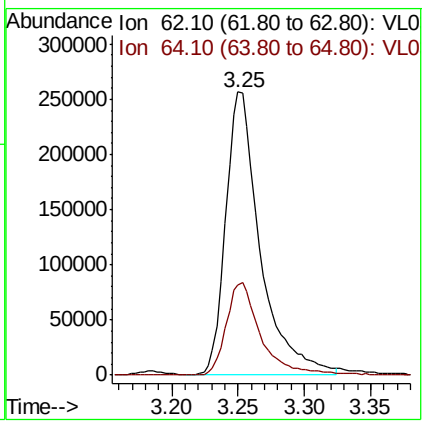


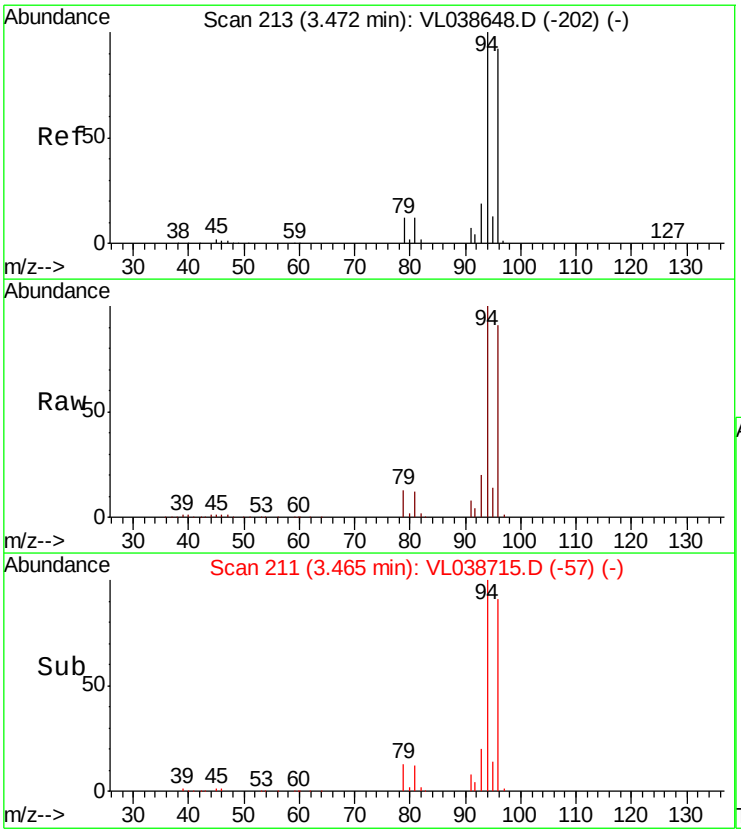
#5
Vinyl Chloride
Concen: 9.966 ppbv
RT: 3.25
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 463967

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.0	37.4

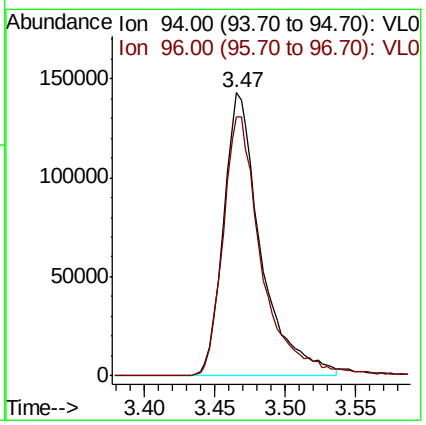


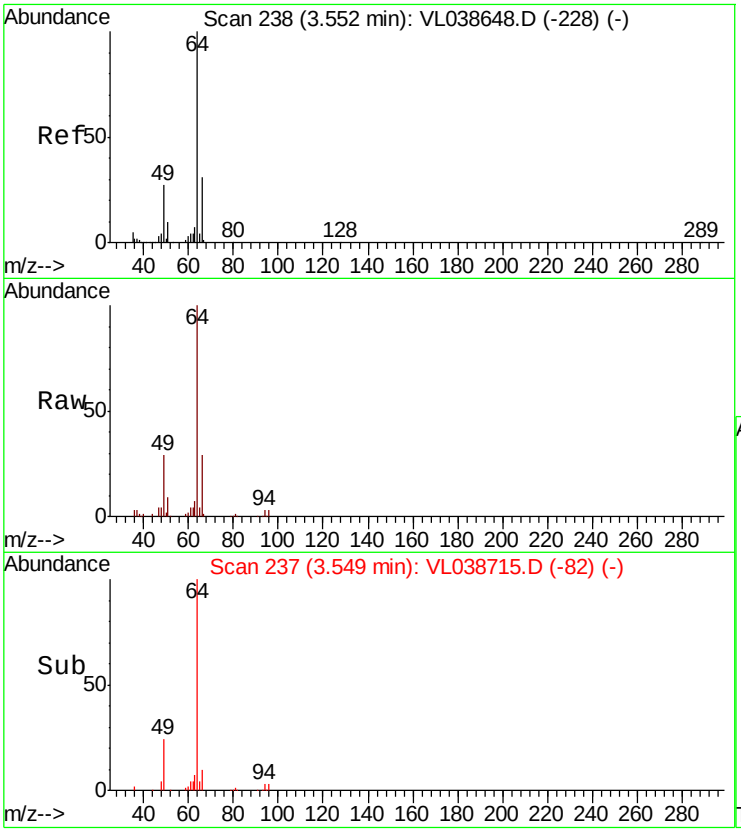


#6
Bromomethane
Concen: 10.657 ppbv
RT: 3.47 min Scan# 211
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 94 Resp: 264507

Ion	Ratio	Lower	Upper
94	100		
96	91.3	73.3	109.9



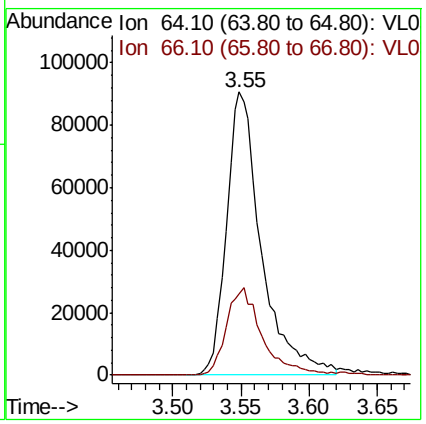


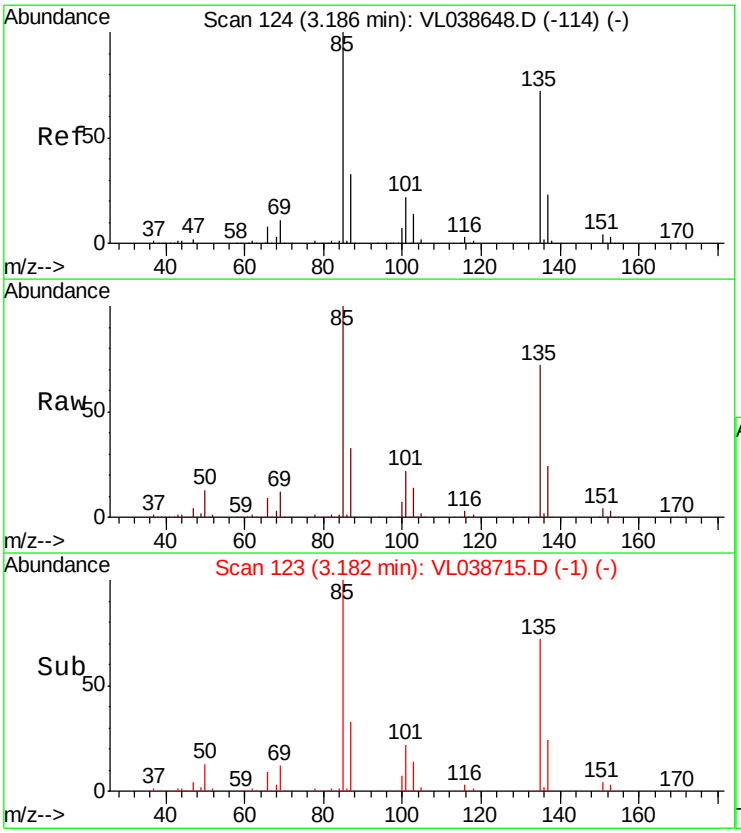
#7
Chloroethane
Concen: 10.453 ppbv
RT: 3.55
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 161117

Ion	Ratio	Lower	Upper
64	100		
66	28.7	25.0	37.6

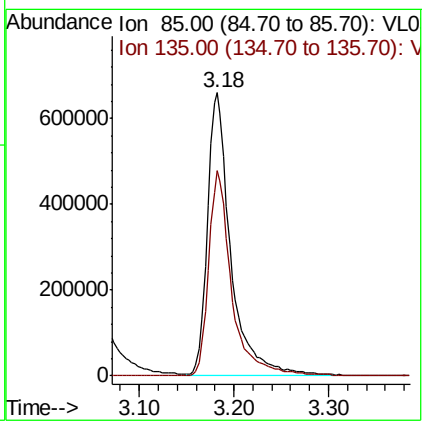


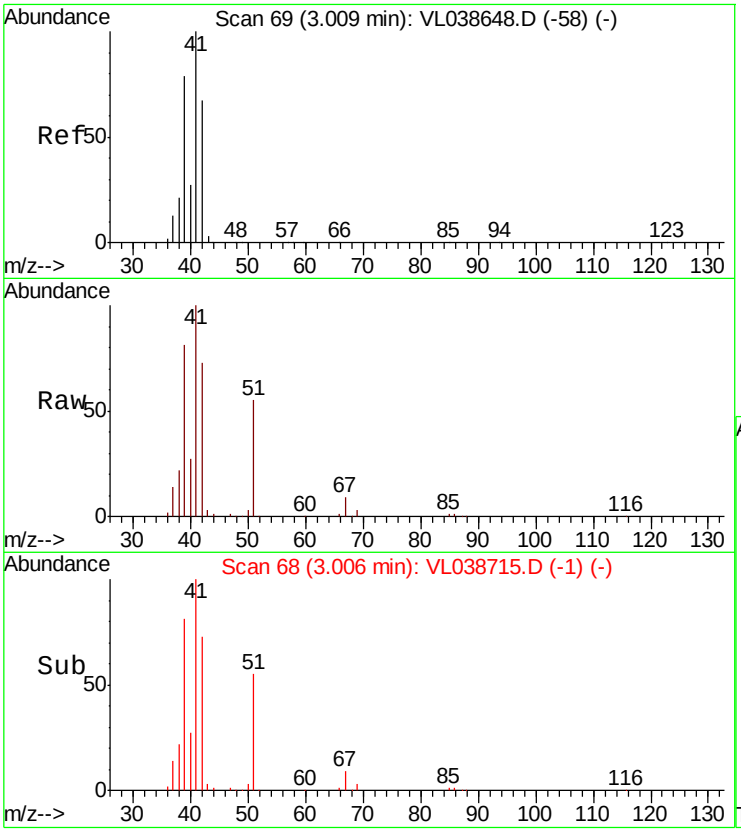


#8
Dichlorotetrafluoroethane
Concen: 10.539 ppbv
RT: 3.18 min Scan# 123
Delta R.T. -0.00 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 85 Resp: 1117723

Ion	Ratio	Lower	Upper
85	100		
135	72.9	57.8	86.6



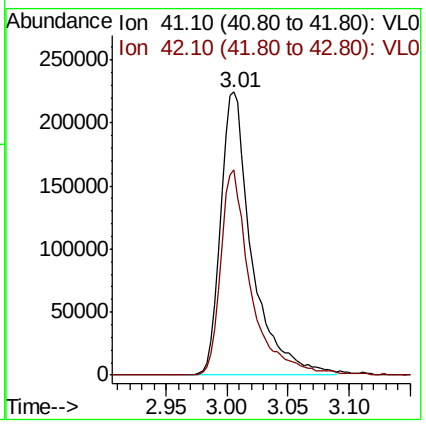


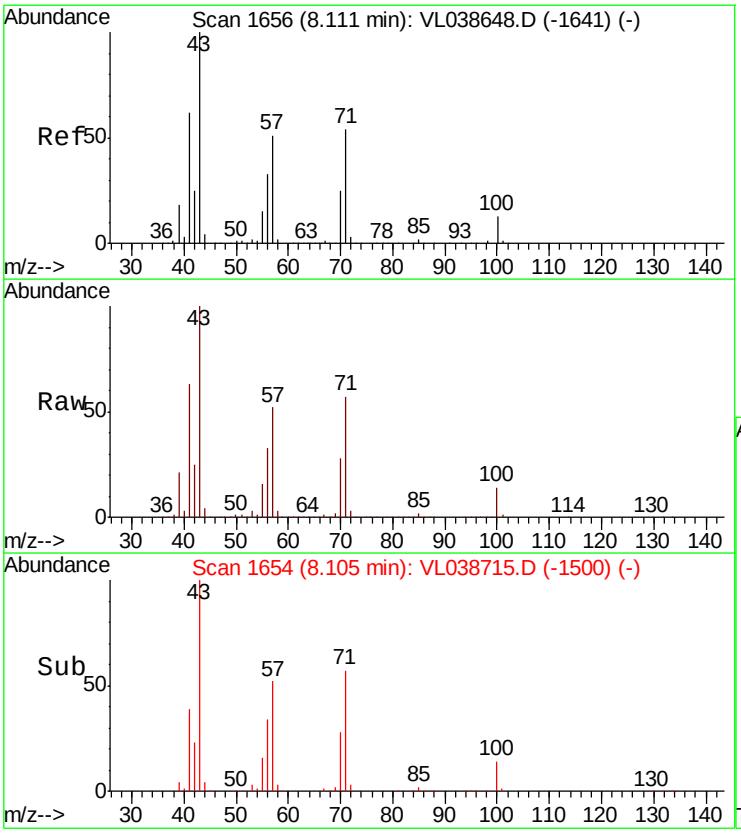
#9
Propene
Concen: 10.030 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 404116

Ion	Ratio	Lower	Upper
41	100		
42	70.6	56.2	84.4

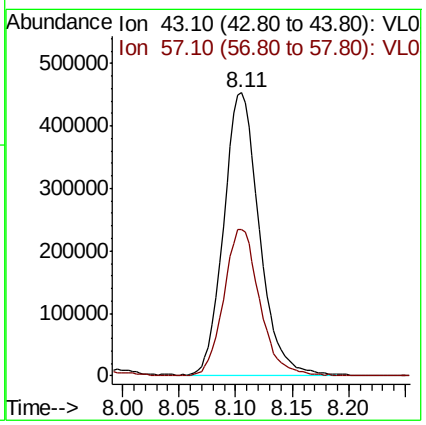


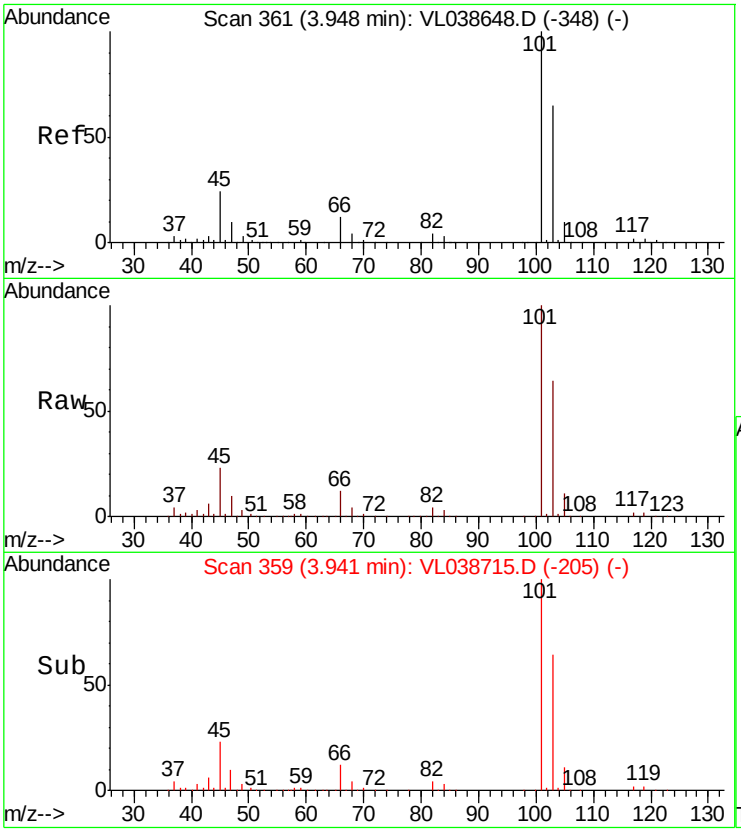


#10
Heptane
Concen: 10.235 ppbv
RT: 8.11 min Scan# 1654
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 43 Resp: 985745

Ion	Ratio	Lower	Upper
43	100		
57	52.8	41.4	62.2



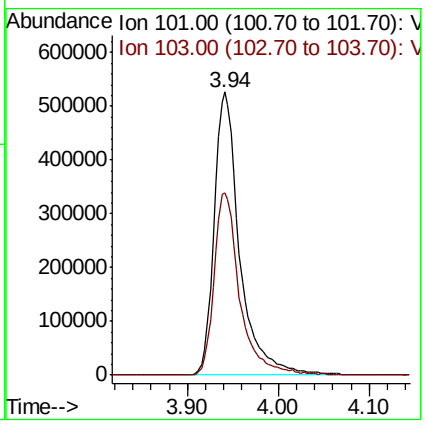


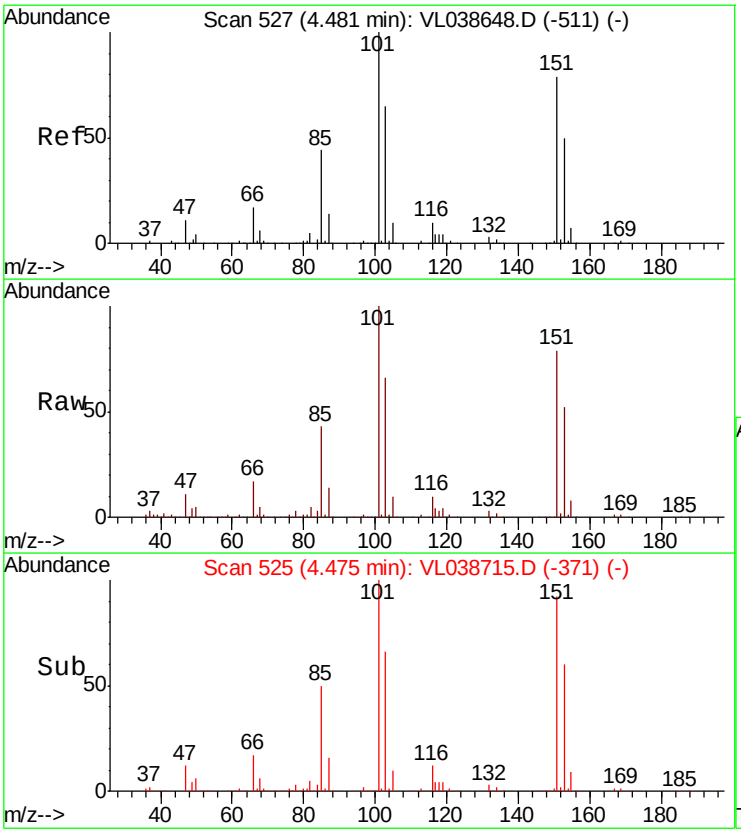
#11
Trichlorofluoromethane
Concen: 10.903 ppbv
RT: 3.94
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1022162

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.9	77.9

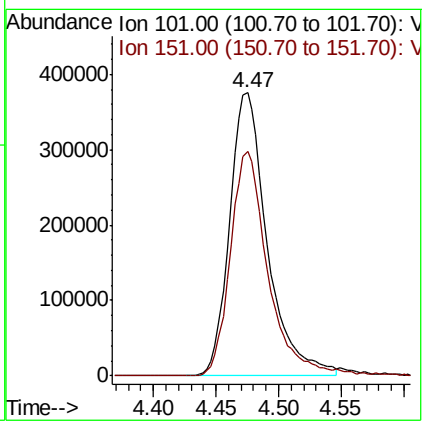


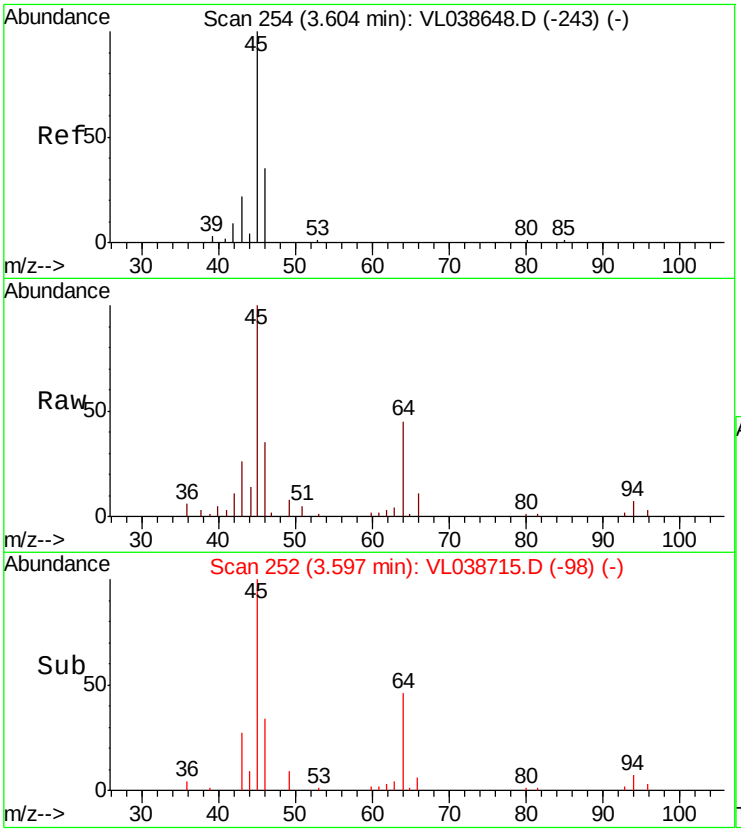


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.880 ppbv
RT: 4.47 min Scan# 525
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion:101 Resp: 785233

Ion	Ratio	Lower	Upper
101	100		
151	80.0	62.9	94.3



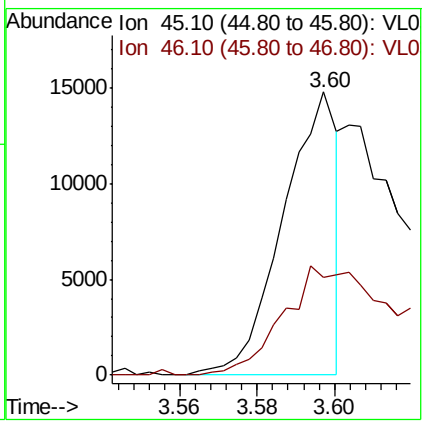


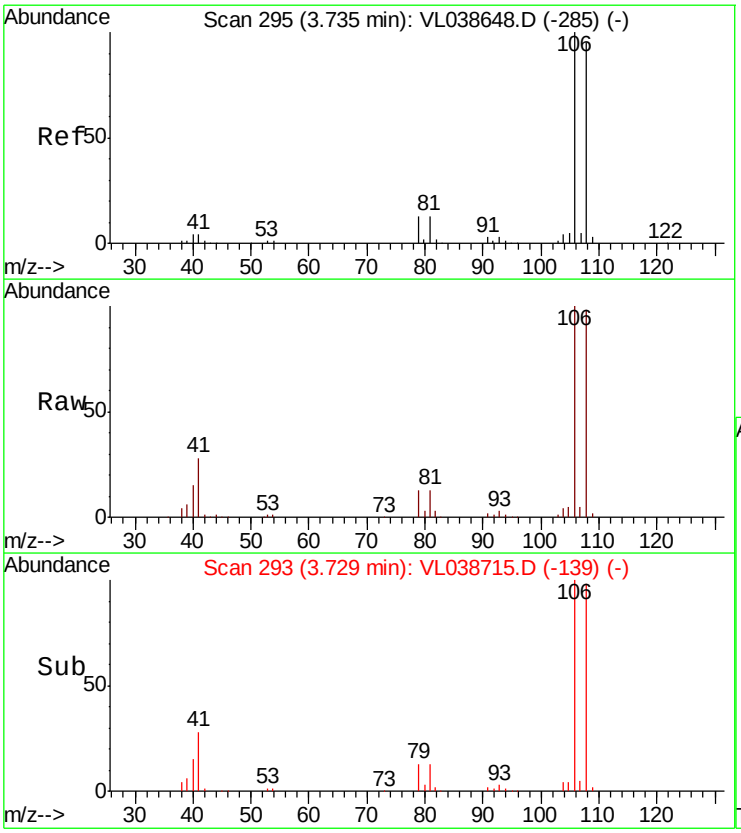
#13
Ethanol
Concen: 3.247 ppbv
RT: 3.60
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 14431

Ion	Ratio	Lower	Upper
45	100		
46	104.4	15.1	60.5#

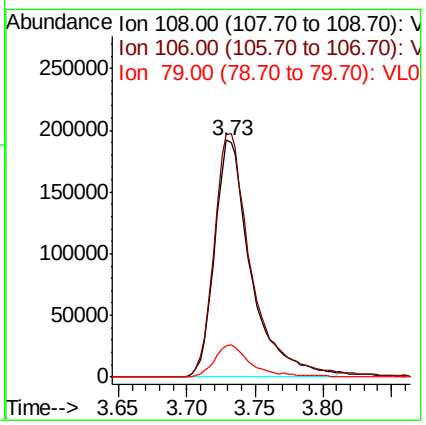


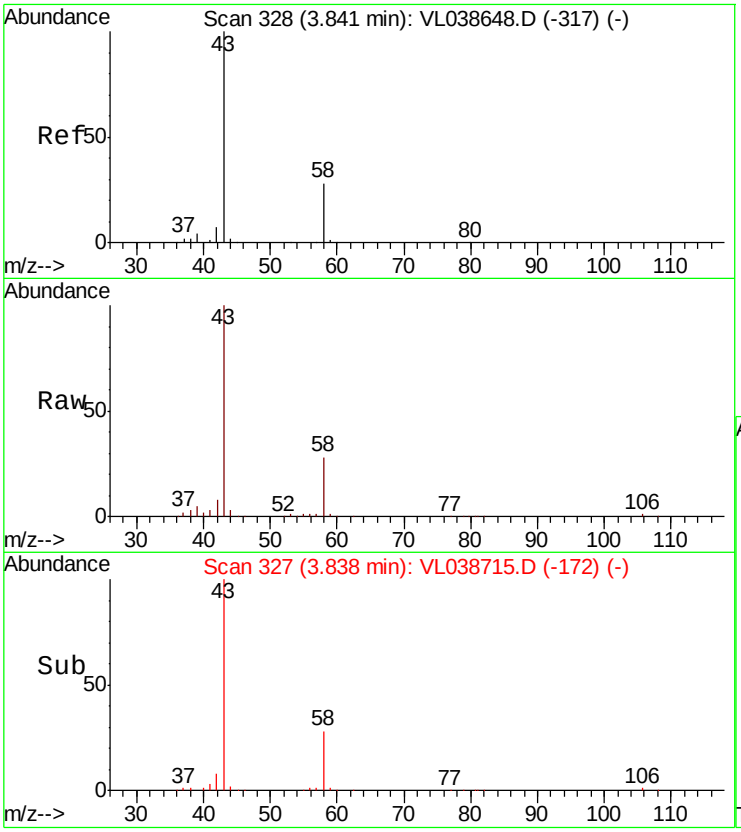


#14
Bromoethene
Concen: 11.103 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion:108 Resp: 356118

Ion	Ratio	Lower	Upper
108	100		
106	107.0	88.3	132.5
79	14.1	11.2	16.8



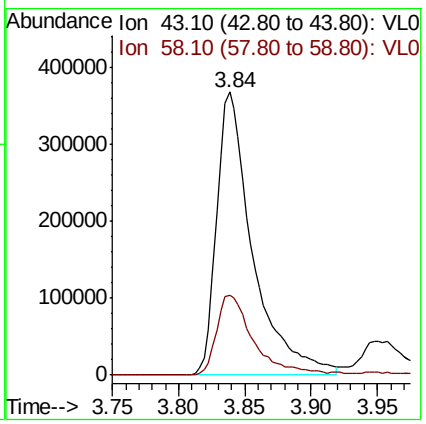


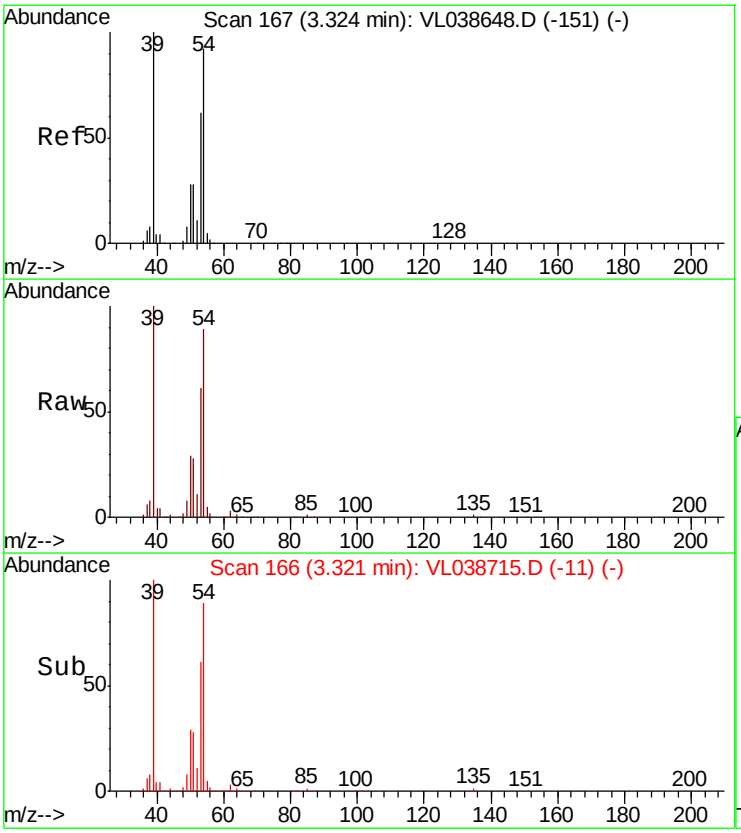
#15
Acetone
Concen: 10.177 ppbv
RT: 3.84
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 693901

Ion	Ratio	Lower	Upper
43	100		
58	29.6	23.3	34.9

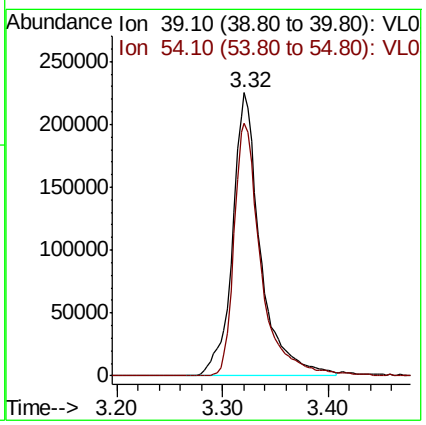


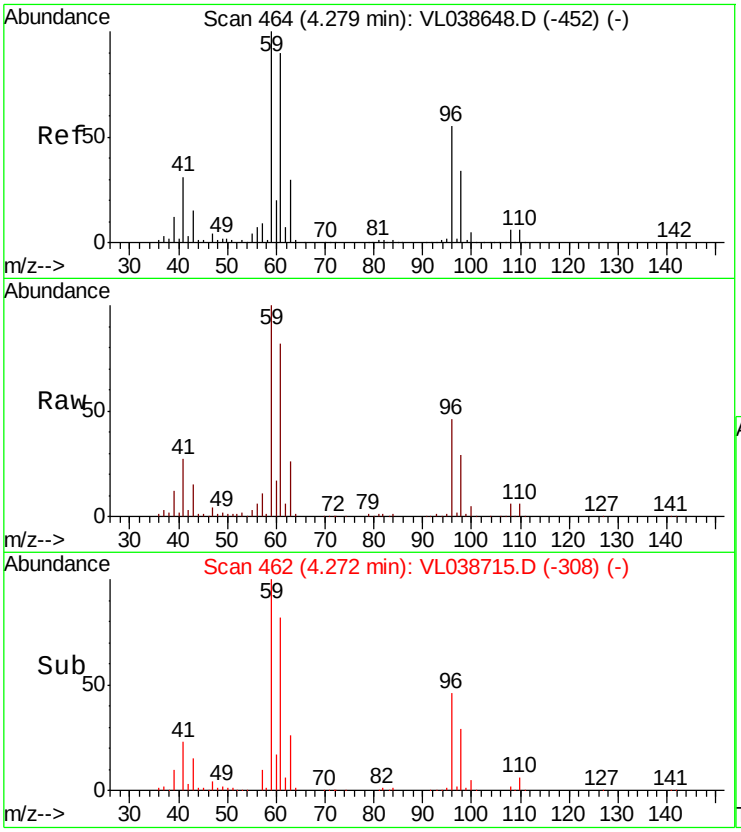


#16
1,3-Butadiene
Concen: 10.708 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.00 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 39 Resp: 414324

Ion	Ratio	Lower	Upper
39	100		
54	86.6	69.1	103.7



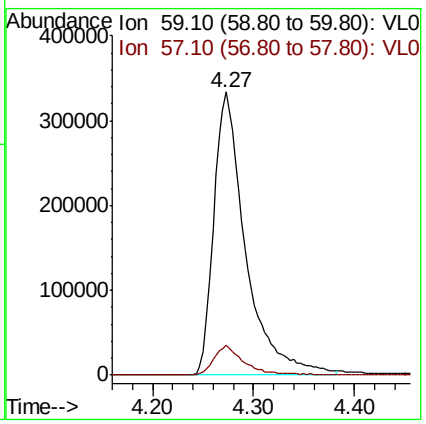


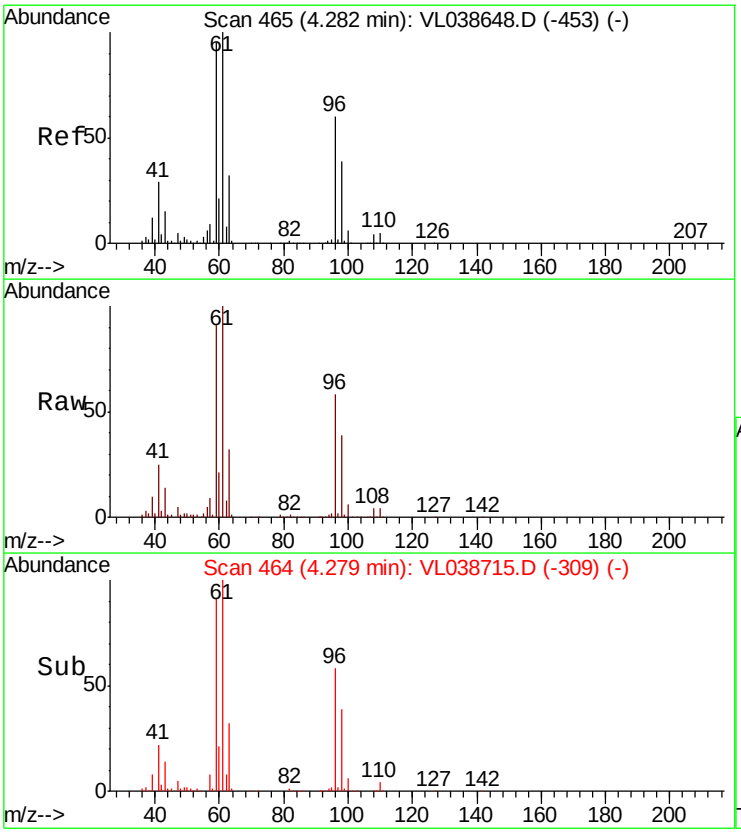
#17
tert-Butyl alcohol
Concen: 12.306 ppbv
RT: 4.27
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 732824

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

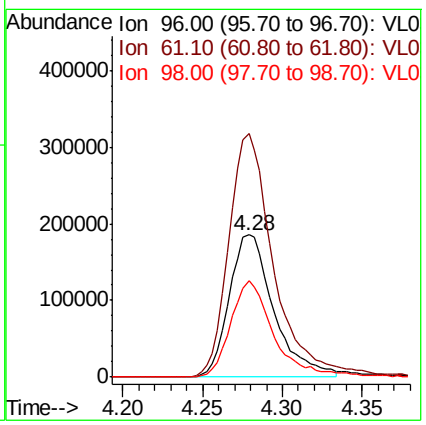


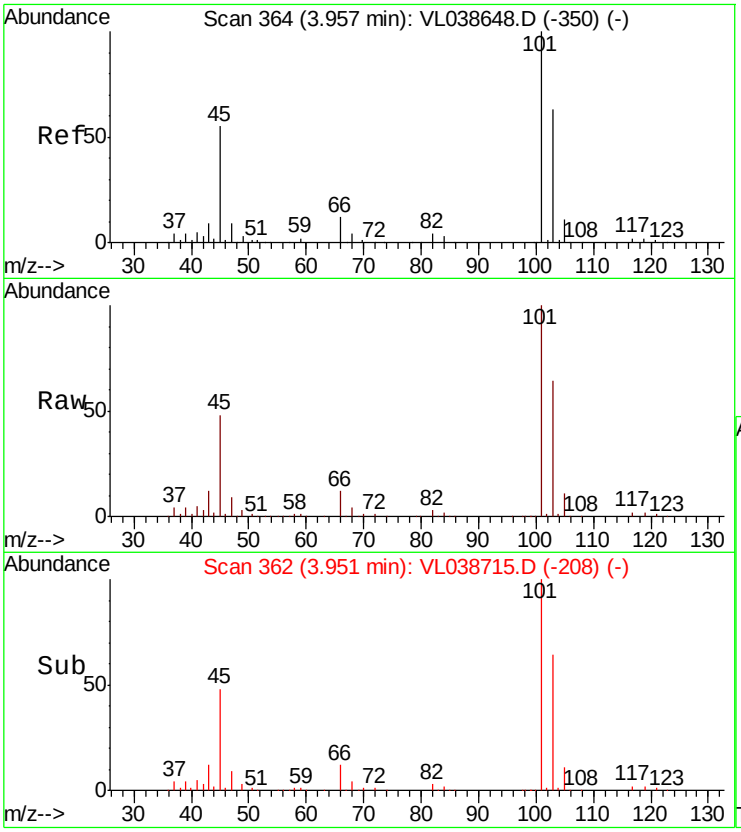


#18
1,1-Dichloroethene
Concen: 10.896 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.00 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 96 Resp: 353287

Ion	Ratio	Lower	Upper
96	100		
61	171.0	132.4	198.6
98	67.5	51.6	77.4



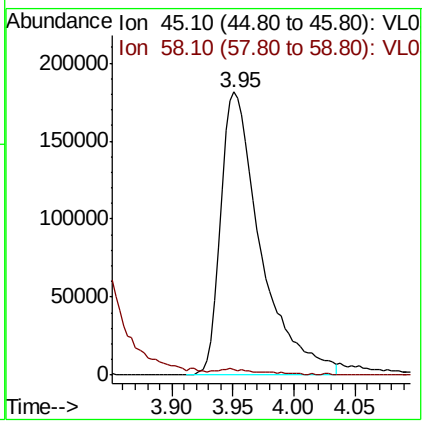


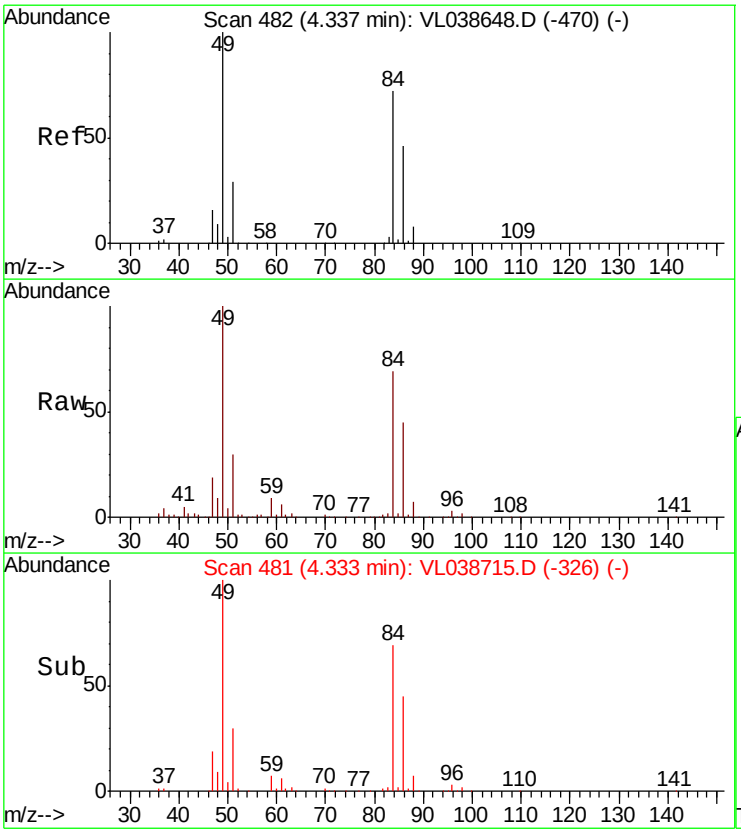
#19
Isopropyl Alcohol
Concen: 11.036 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 417179

Ion	Ratio	Lower	Upper
45	100		
58	2.2	2.3	3.5#

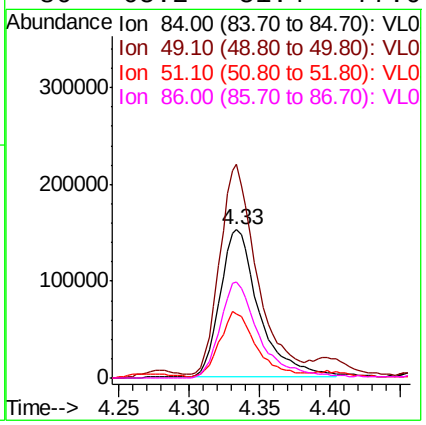


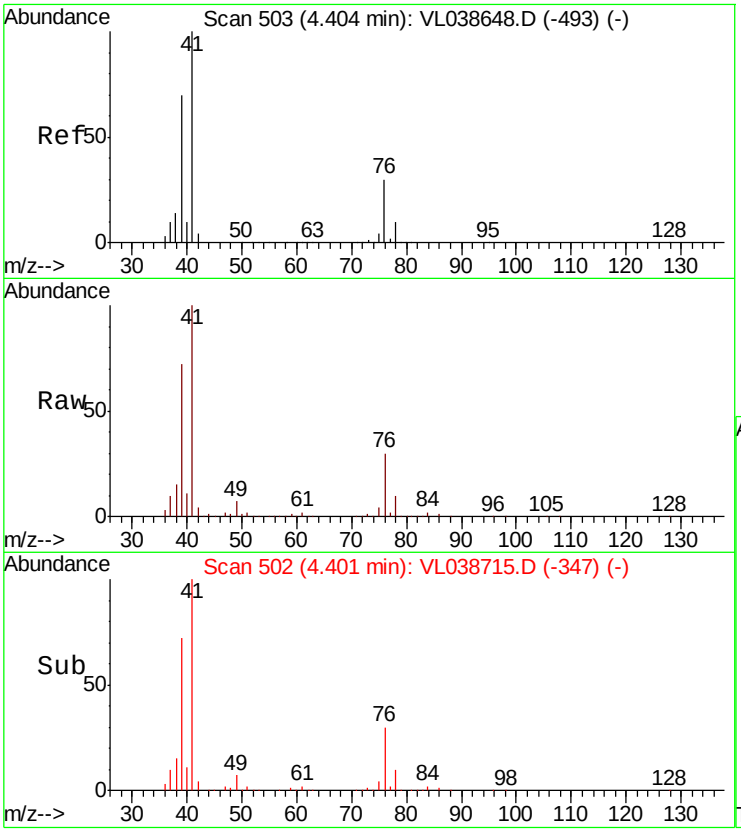


#20
Methylene Chloride
Concen: 10.259 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.00 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 84 Resp: 294616

Ion	Ratio	Lower	Upper
84	100		
49	142.8	111.2	166.8
51	42.0	32.8	49.2
86	65.2	51.4	77.0



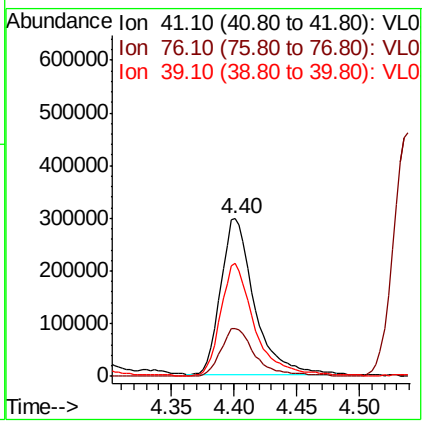


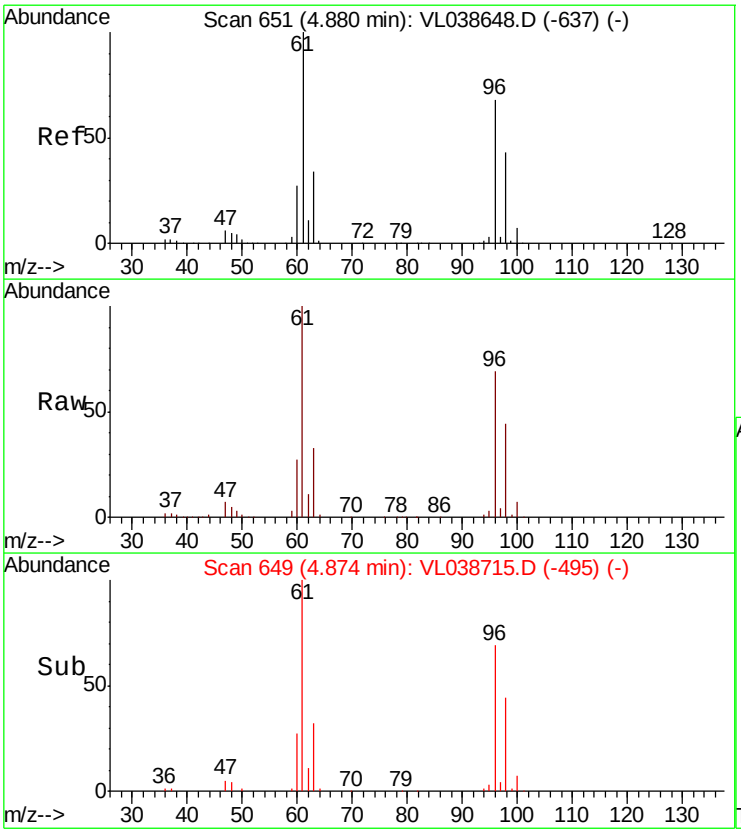
#21
Allvl Chloride
Concen: 11.212 ppbv
RT: 4.40
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 550214

Ion	Ratio	Lower	Upper
41	100		
76	31.5	25.0	37.6
39	71.8	56.6	85.0

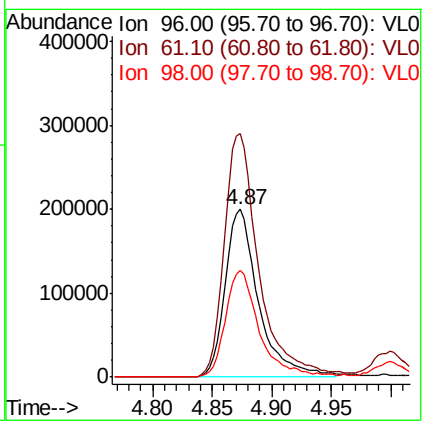


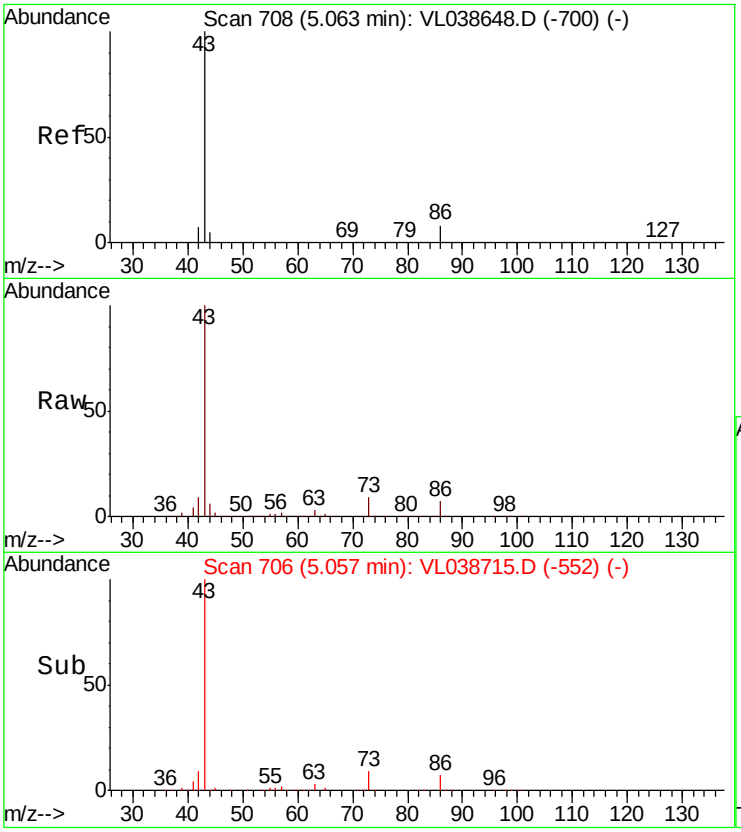


#22
trans-1,2-Dichloroethene
Concen: 11.602 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 96 Resp: 390163

Ion	Ratio	Lower	Upper
96	100		
61	145.2	118.3	177.5
98	63.8	51.3	76.9



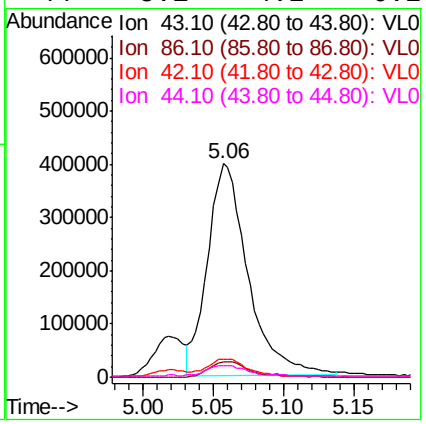


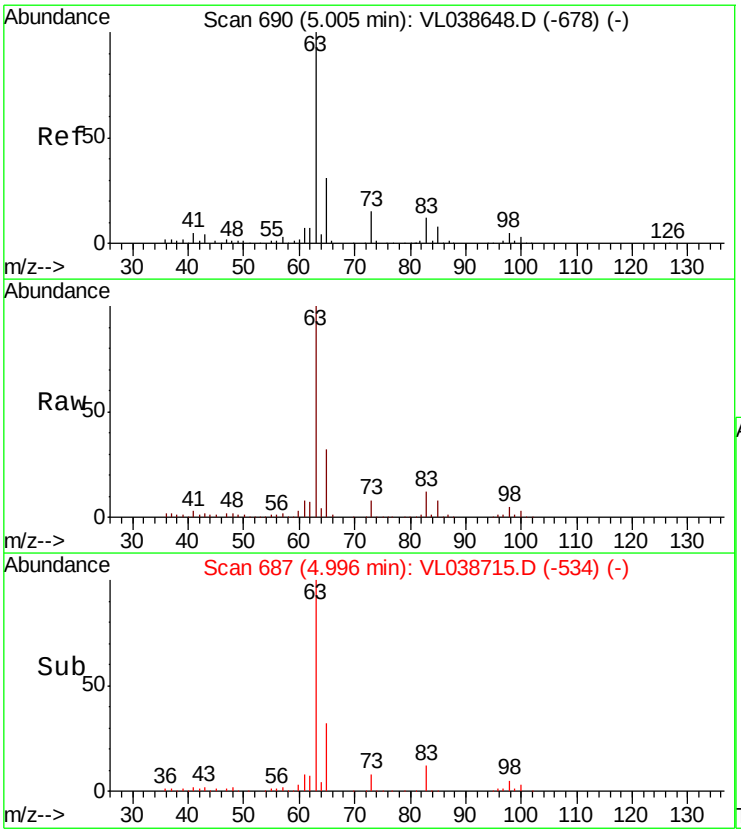
#23
Vinyl Acetate
Concen: 12.093 ppbv
RT: 5.06
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 798455

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.6	8.4
42	8.6	6.8	10.2
44	5.1	4.2	6.2

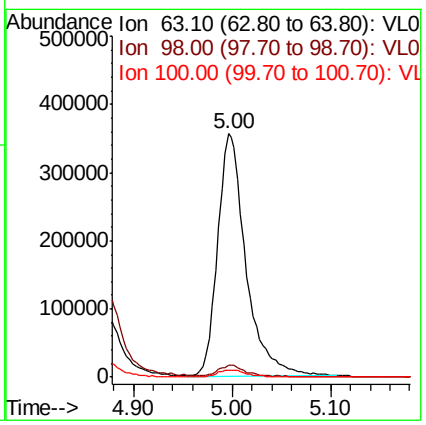


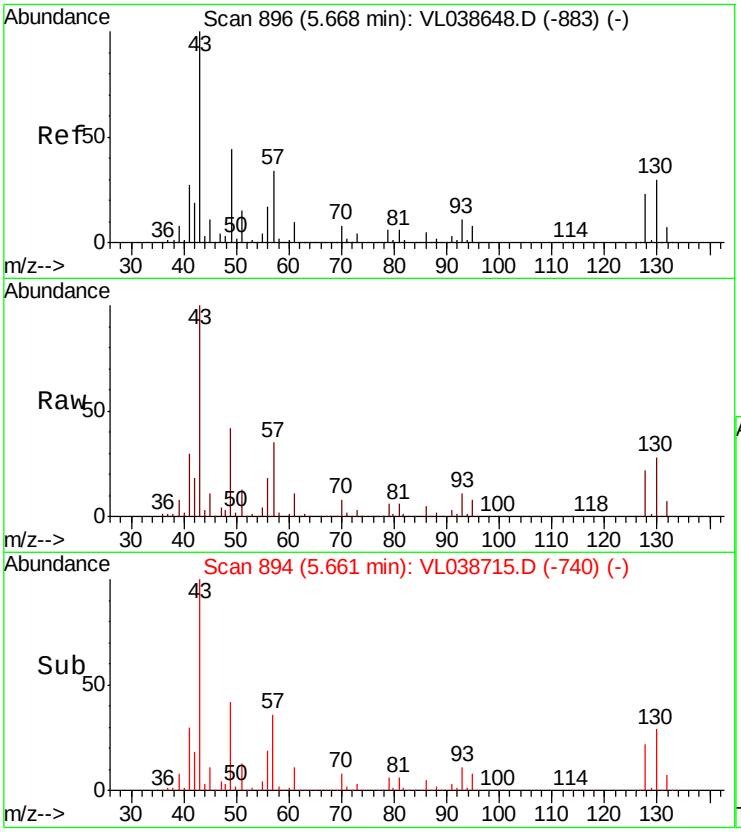


#24
1,1-Dichloroethane
Concen: 11.045 ppbv
RT: 5.00 min Scan# 687
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 63 Resp: 718186

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.5	7.5
100	2.9	1.4	4.2



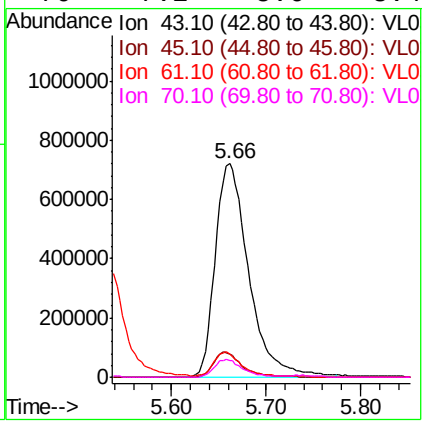


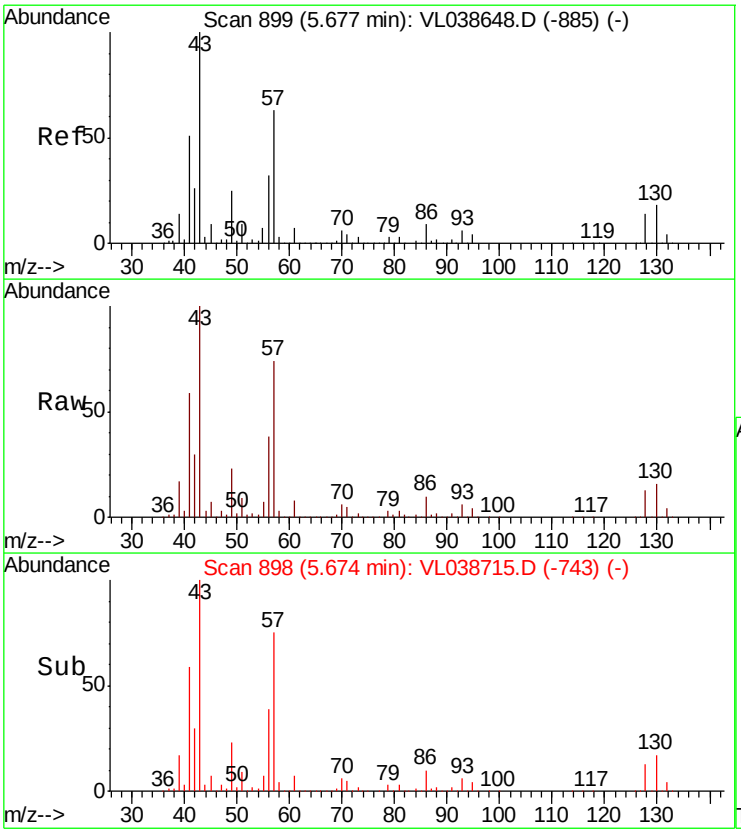
#25
Ethyl Acetate
Concen: 10.284 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1765083

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.2	12.4
61	10.6	8.3	12.5
70	7.2	5.6	8.4

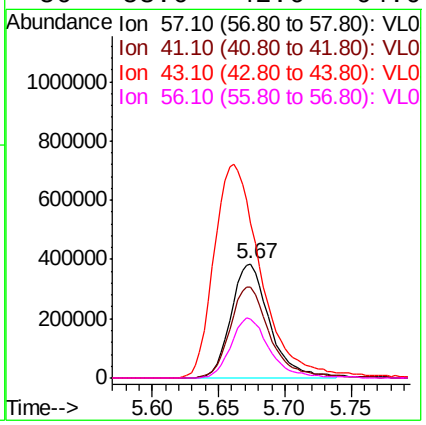


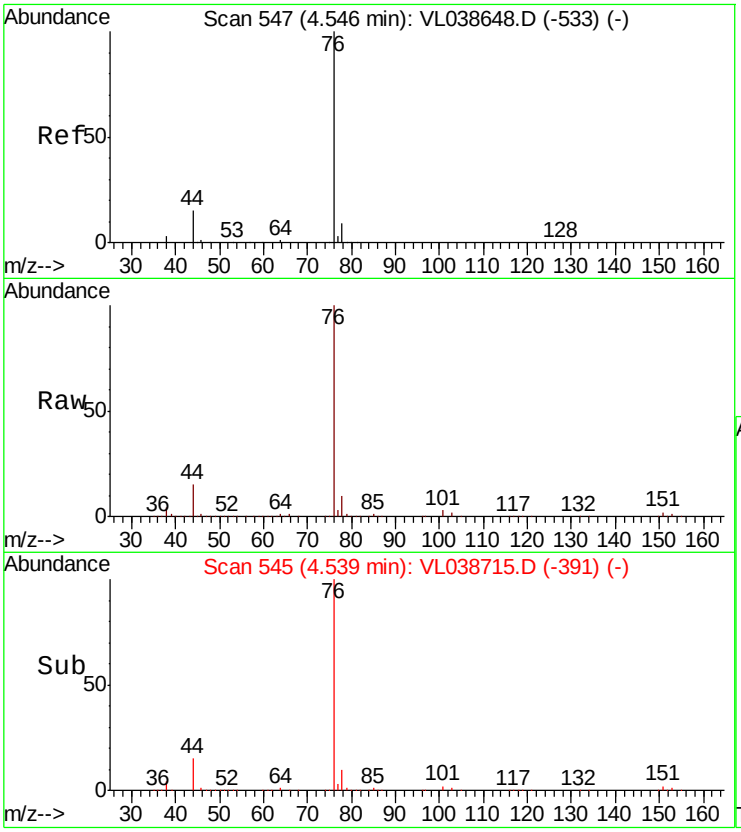


#26
Hexane
Concen: 10.150 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 57 Resp: 779947

Ion	Ratio	Lower	Upper
57	100		
41	83.7	67.0	100.4
43	228.5	184.2	276.2
56	53.6	42.6	64.0



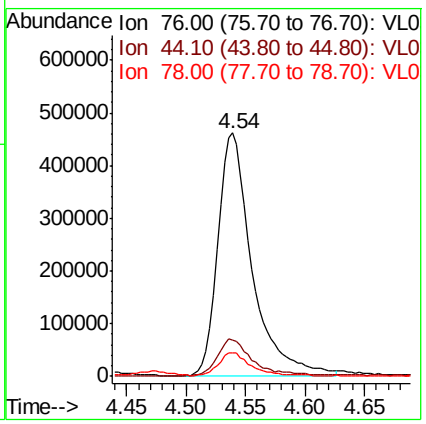


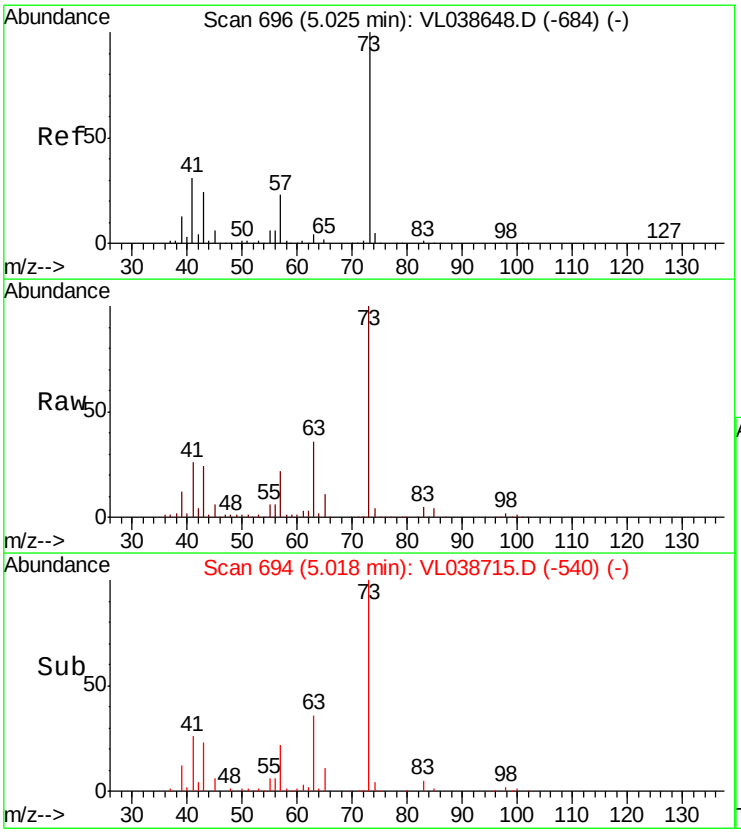
#27
Carbon Disulfide
Concen: 12.233 ppbv
RT: 4.54
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 922113

Ion	Ratio	Lower	Upper
76	100		
44	15.6	12.4	18.6
78	10.2	7.8	11.8

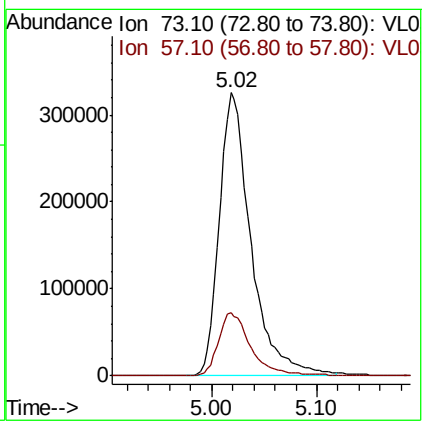


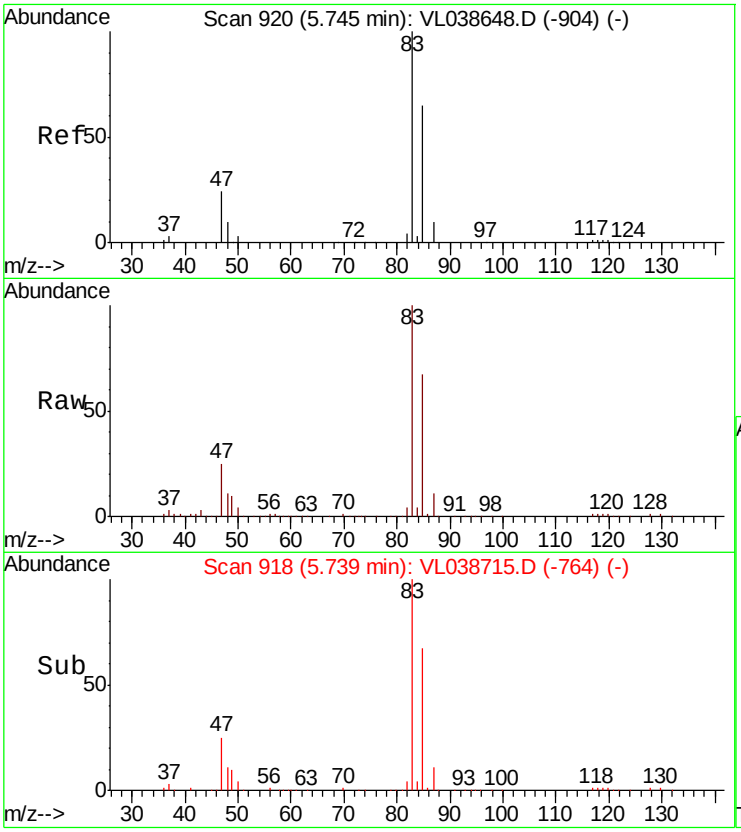


#28
Methyl tert-Butyl Ether
Concen: 11.841 ppbv
RT: 5.02 min Scan# 694
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 73 Resp: 677821

Ion	Ratio	Lower	Upper
73	100		
57	23.2	19.2	28.8



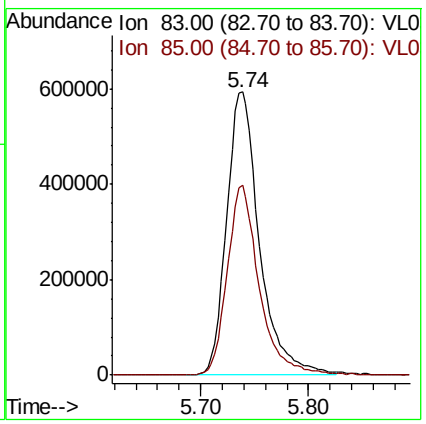


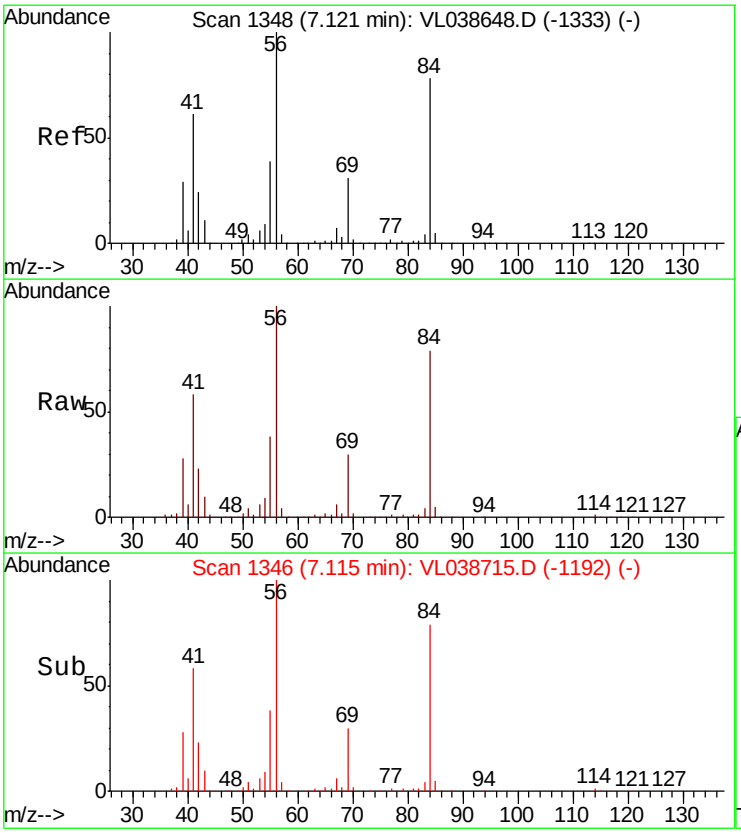
#29
Chloroform
Concen: 10.248 ppbv
RT: 5.74
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1260938

Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.7	77.5

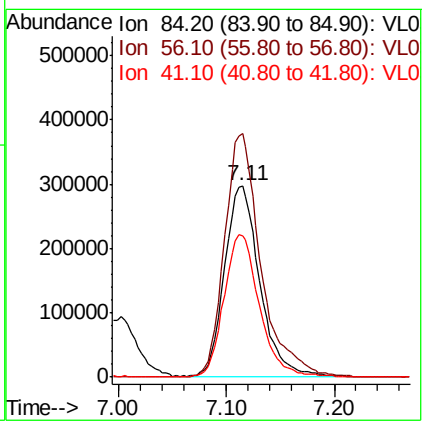


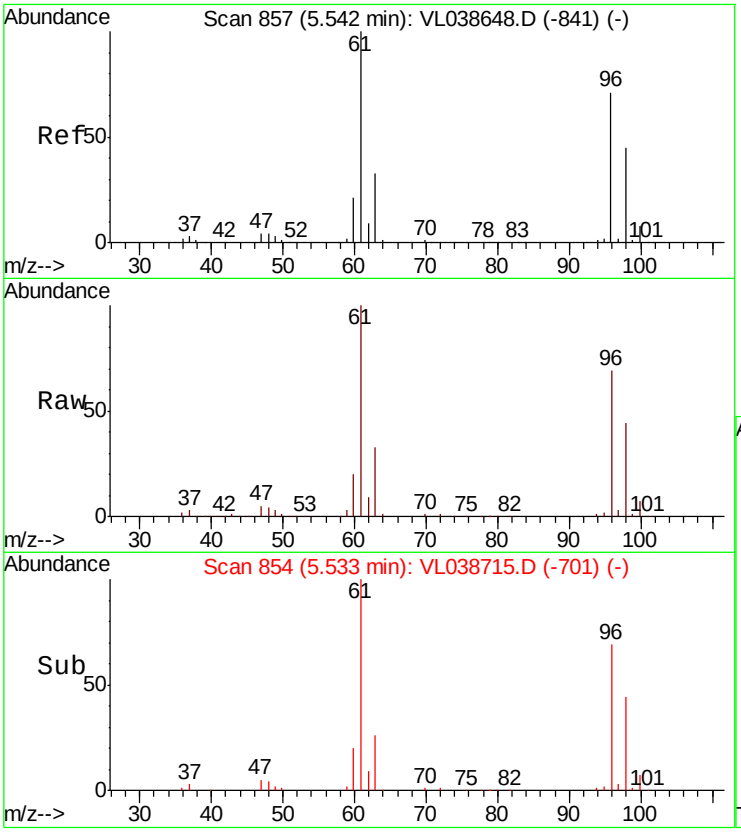


#30
Cyclohexane
Concen: 10.129 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 84 Resp: 676791

Ion	Ratio	Lower	Upper
84	100		
56	132.2	108.2	162.4
41	75.3	61.8	92.6



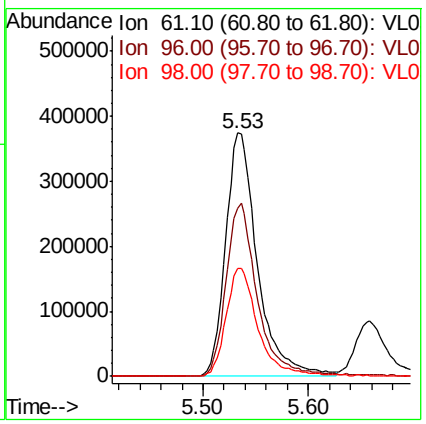


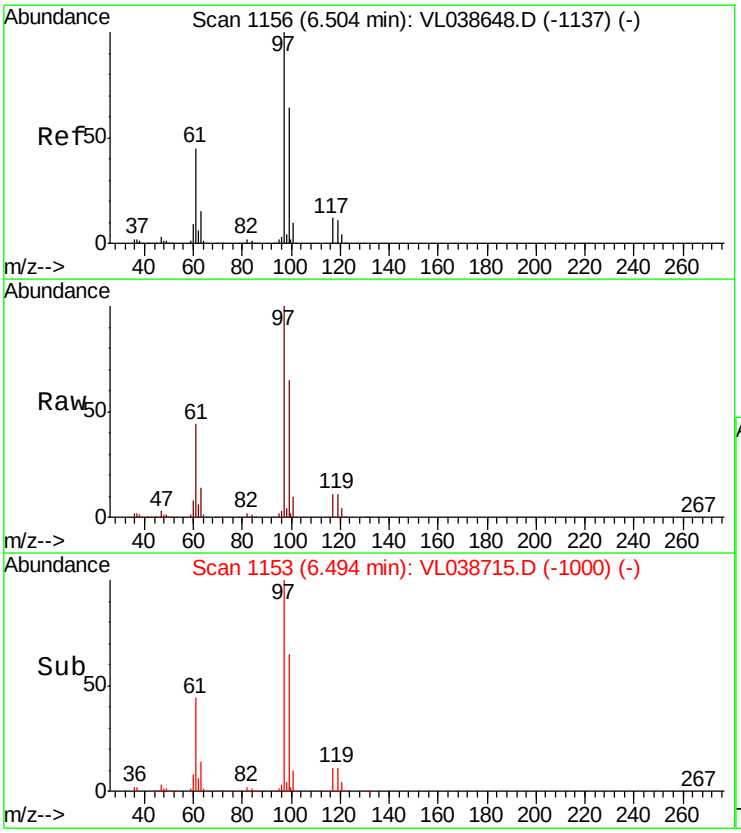
#31
cis-1,2-Dichloroethene
Concen: 10.784 ppbv
RT: 5.53
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 779221

Ion	Ratio	Lower	Upper
61	100		
96	69.0	56.6	84.8
98	44.2	36.3	54.5

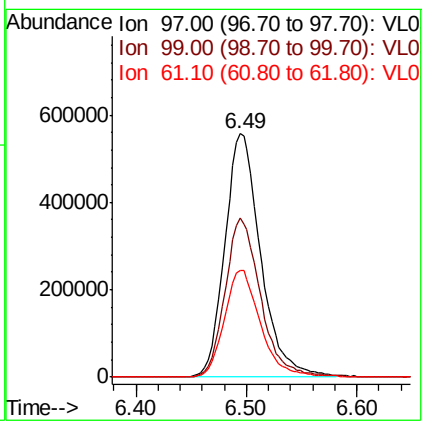


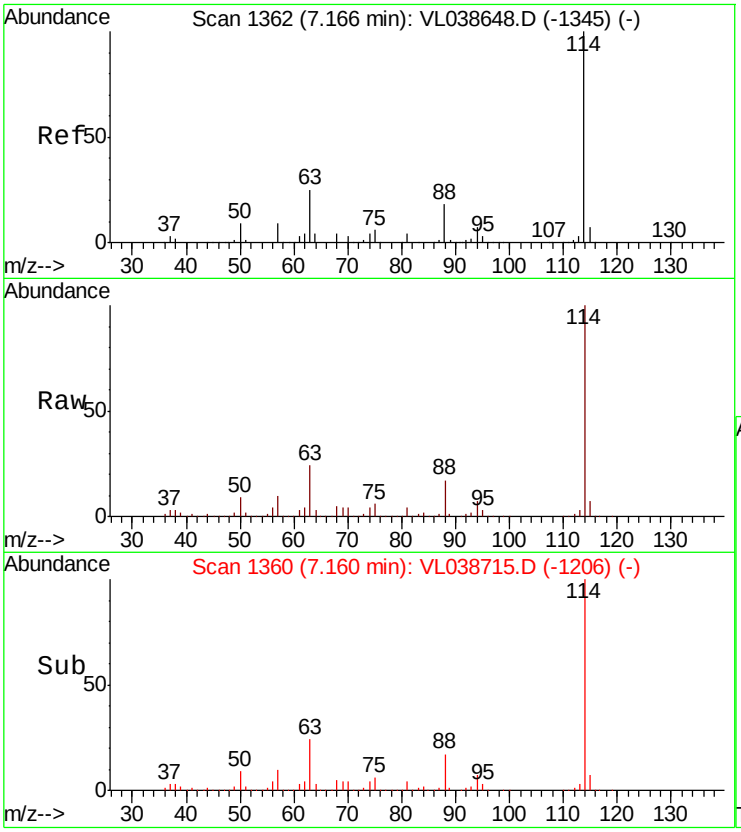


#32
1,1,1-Trichloroethane
Concen: 10.551 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 97 Resp: 1252824

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.8
61	44.7	36.7	55.1



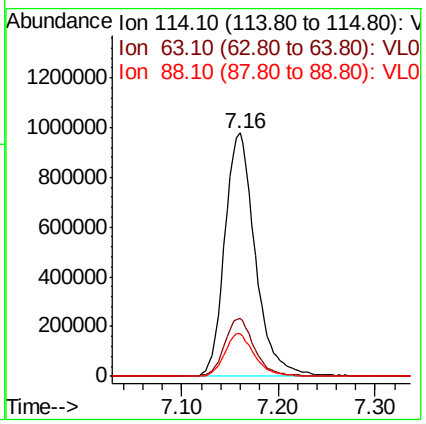


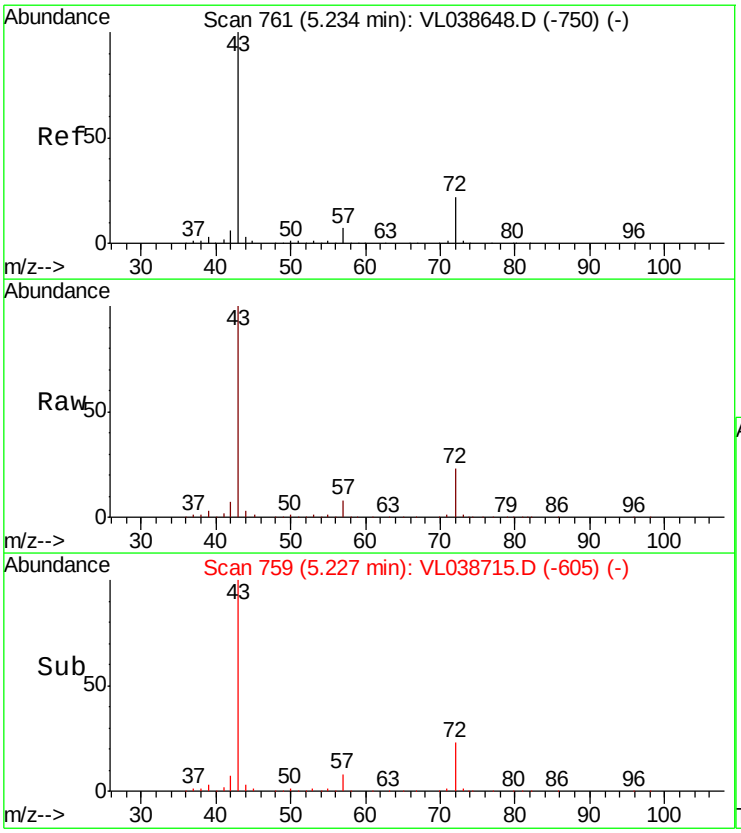
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 2145412

Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.4	29.0
88	17.1	13.9	20.9

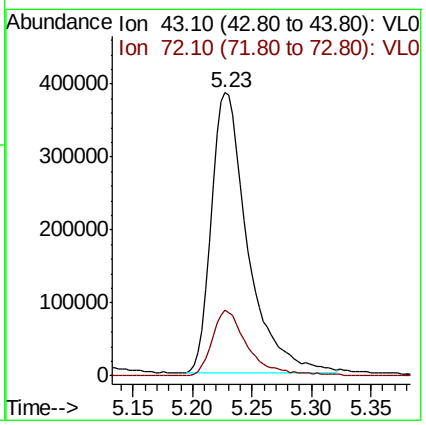


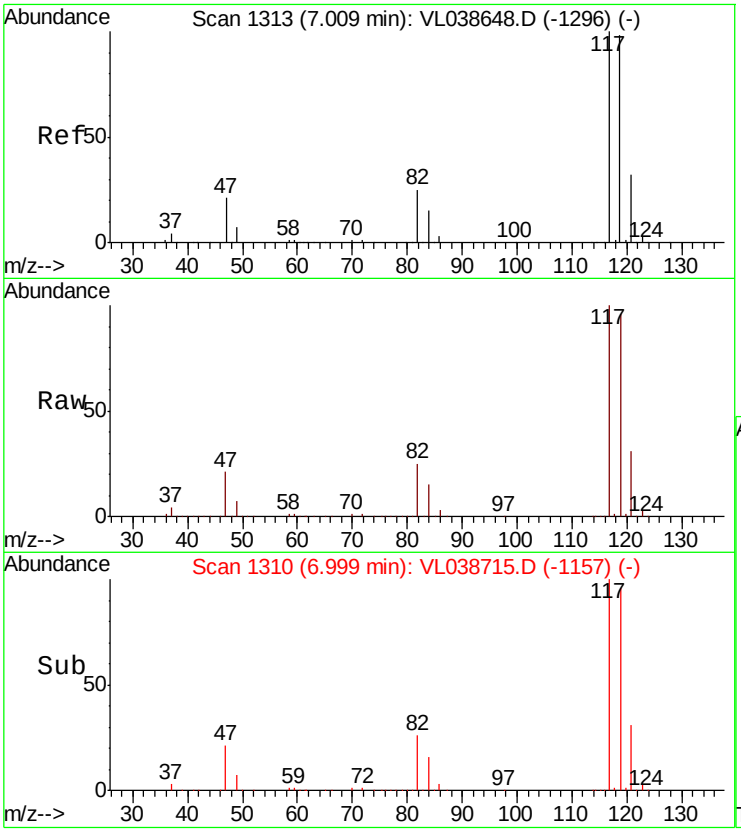


#34
2-Butanone
Concen: 9.628 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 43 Resp: 817588

Ion	Ratio	Lower	Upper
43	100		
72	23.3	17.8	26.8



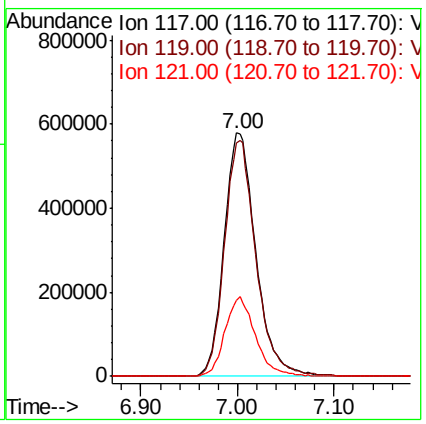


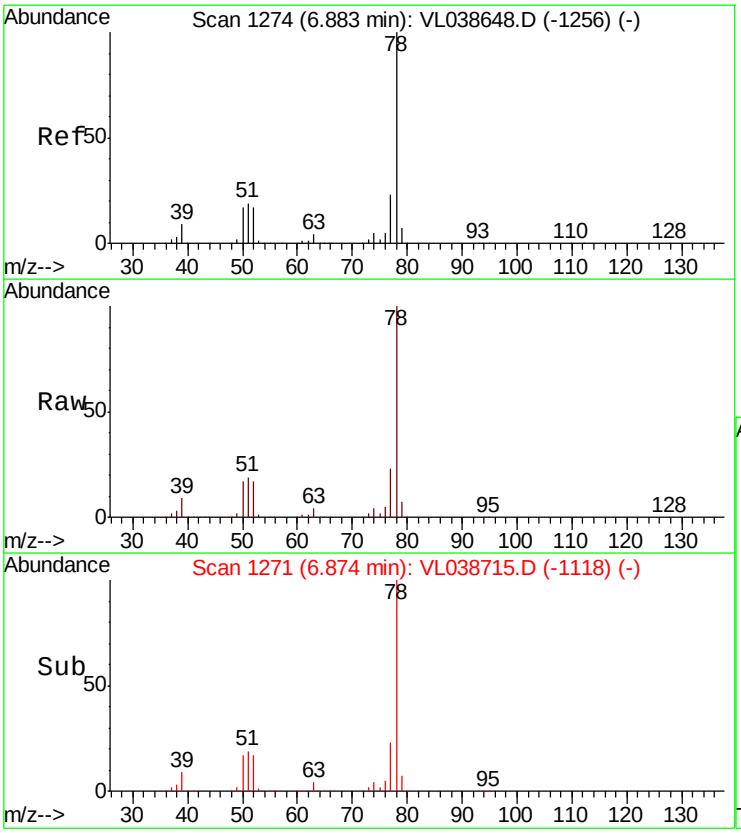
#35
Carbon Tetrachloride
Concen: 10.588 ppbv
RT: 7.00
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1318028

Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.1	117.1
121	31.1	25.8	38.6

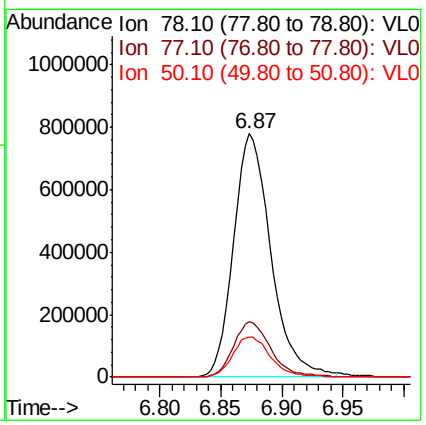


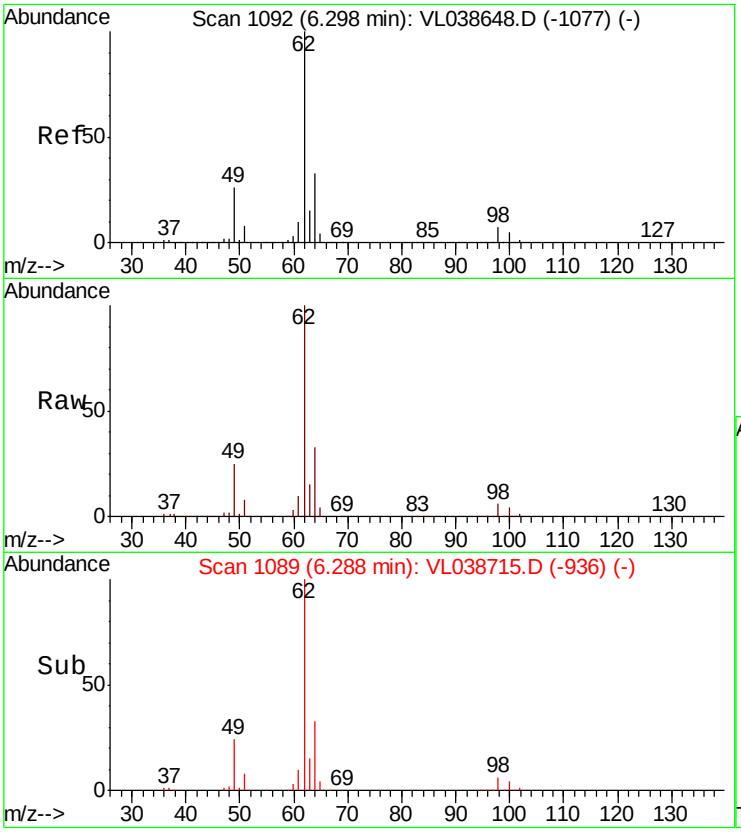


#36
Benzene
Concen: 9.986 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 78 Resp: 1653460

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.1	27.1
50	16.7	13.6	20.4



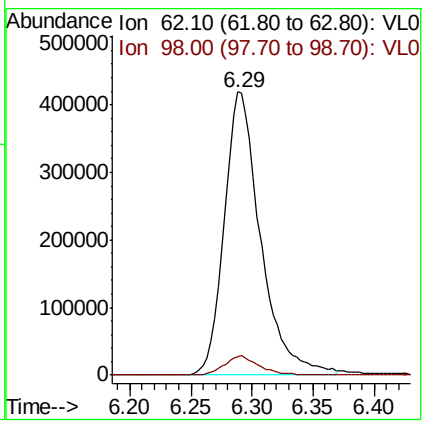


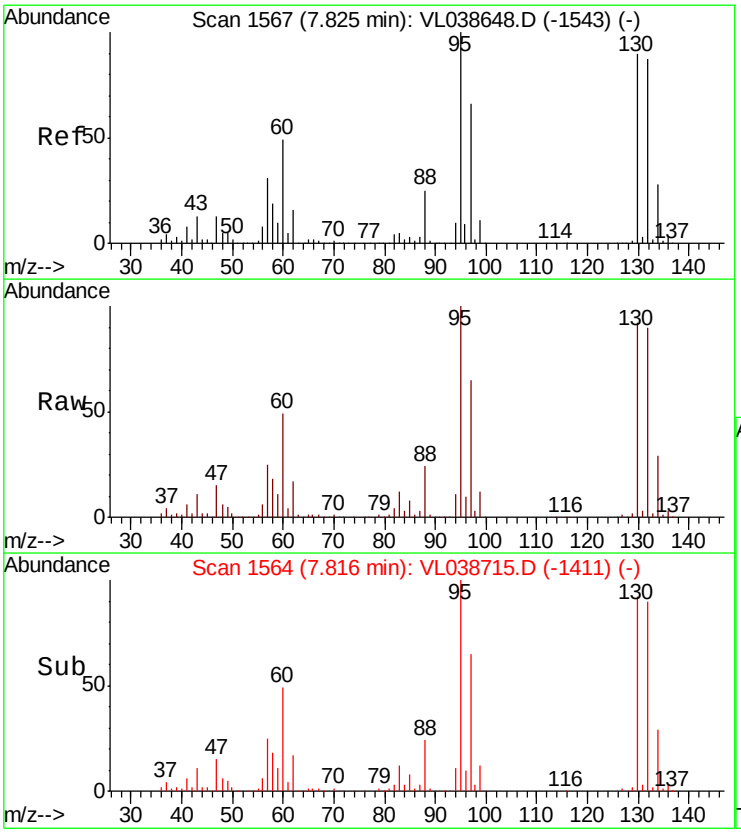
#37
1,2-Dichloroethane
Concen: 10.352 ppbv
RT: 6.29
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 871938

Ion	Ratio	Lower	Upper
62	100		
98	6.7	5.6	8.4

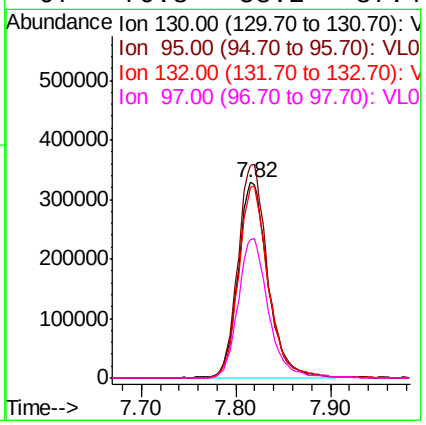


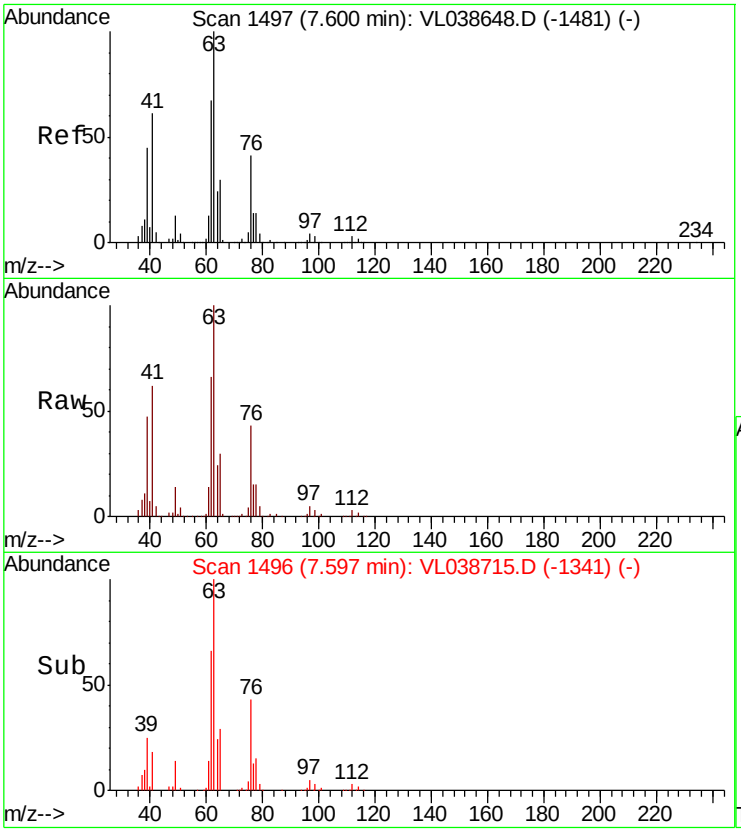


#38
Trichloroethene
Concen: 10.362 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion:130 Resp: 718716

Ion	Ratio	Lower	Upper
130	100		
95	108.7	88.9	133.3
132	98.0	77.4	116.0
97	70.8	58.2	87.4



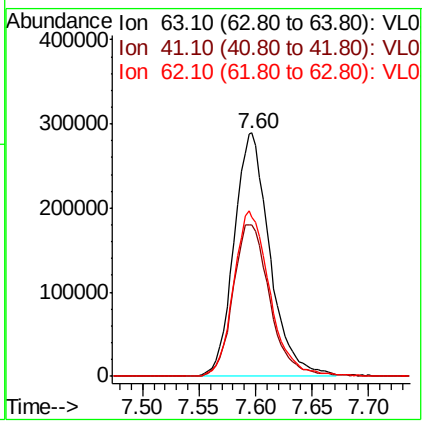


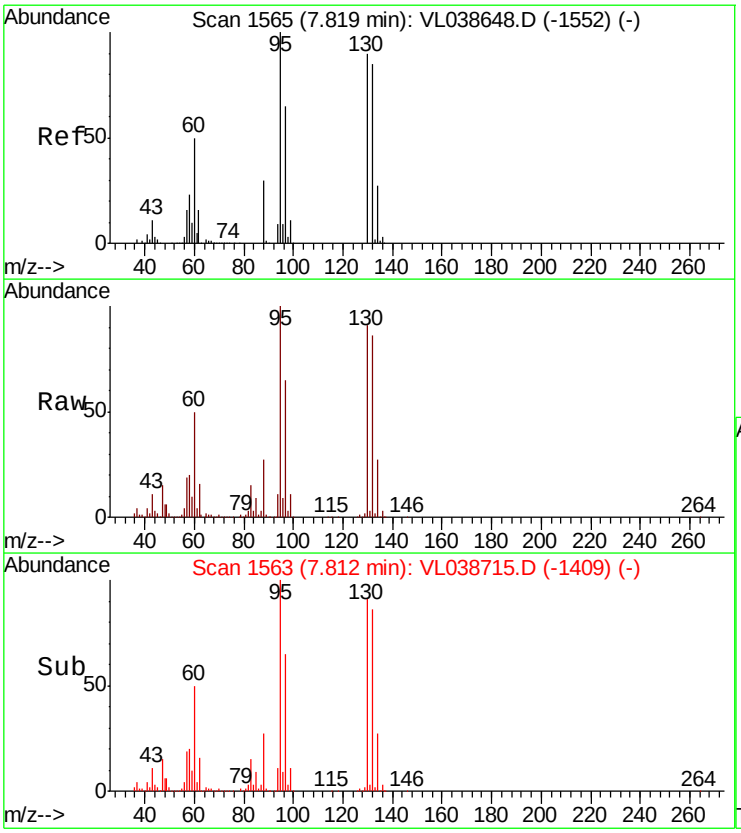
#39
1,2-Dichloropropane
Concen: 9.806 ppbv
RT: 7.60
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 634771

Ion	Ratio	Lower	Upper
63	100		
41	62.2	49.0	73.6
62	65.6	53.9	80.9

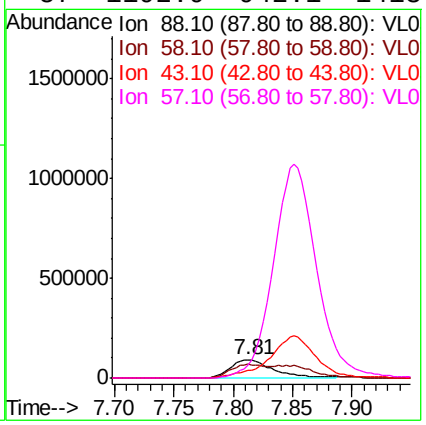


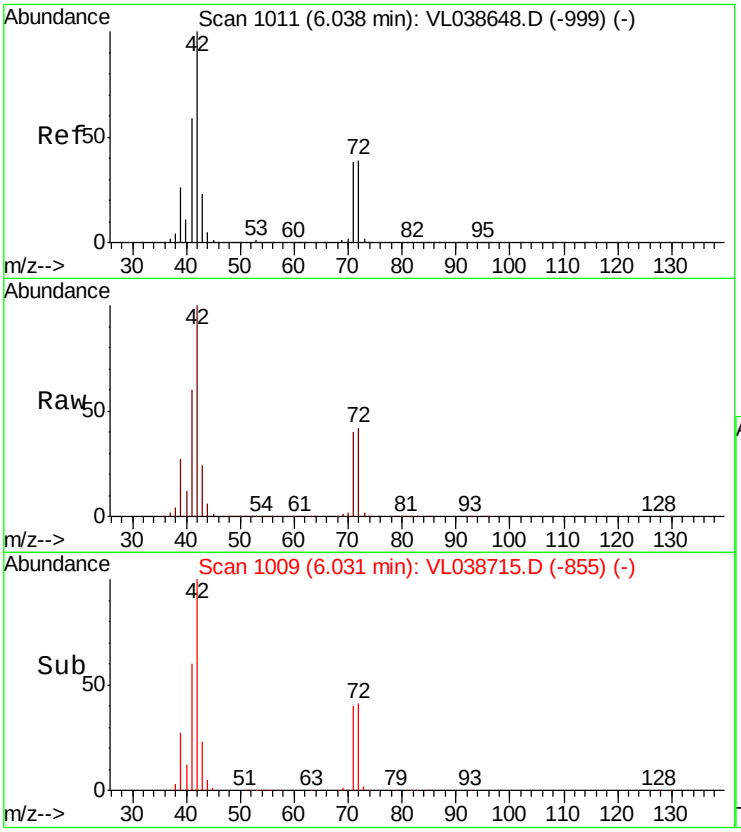


#40
1,4-Dioxane
Concen: 10.108 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 88 Resp: 227213

Ion	Ratio	Lower	Upper
88	100		
58	129.4	105.6	158.4
43	249.4	201.9	302.9
57	1192.9	942.1	1413.1



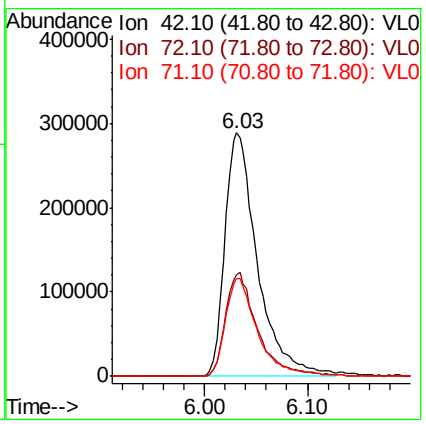


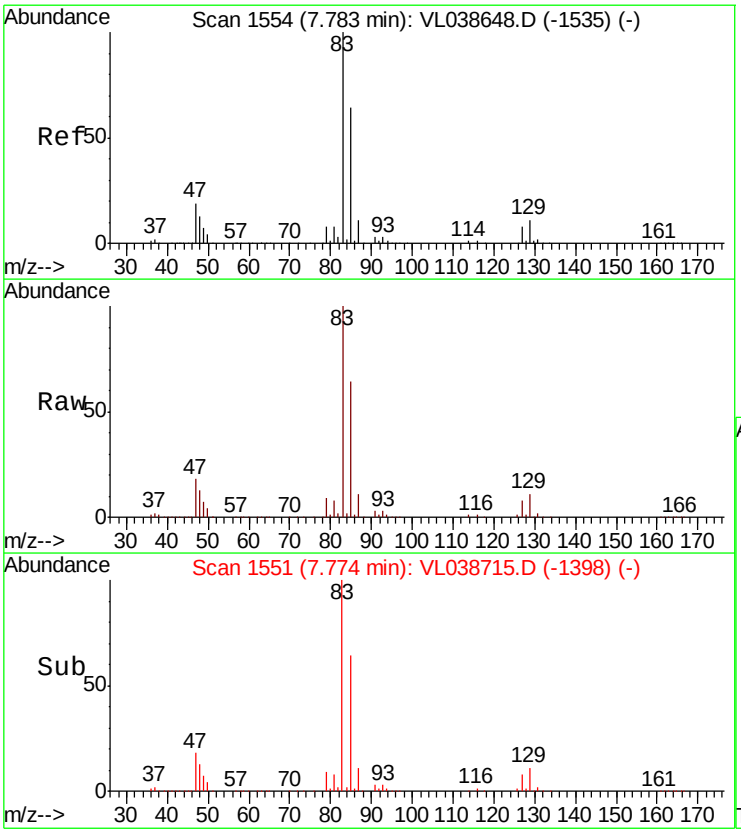
#41
Tetrahydrofuran
Concen: 10.048 ppbv
RT: 6.03
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 635025

Ion	Ratio	Lower	Upper
42	100		
72	42.4	32.5	48.7
71	40.1	31.4	47.2

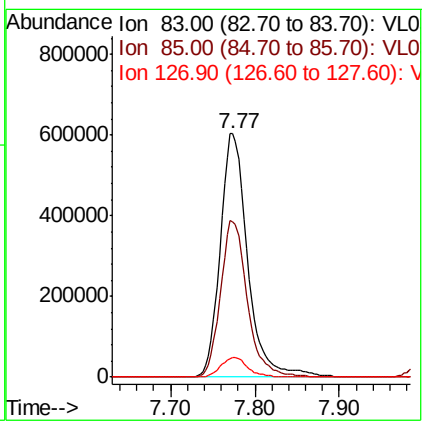


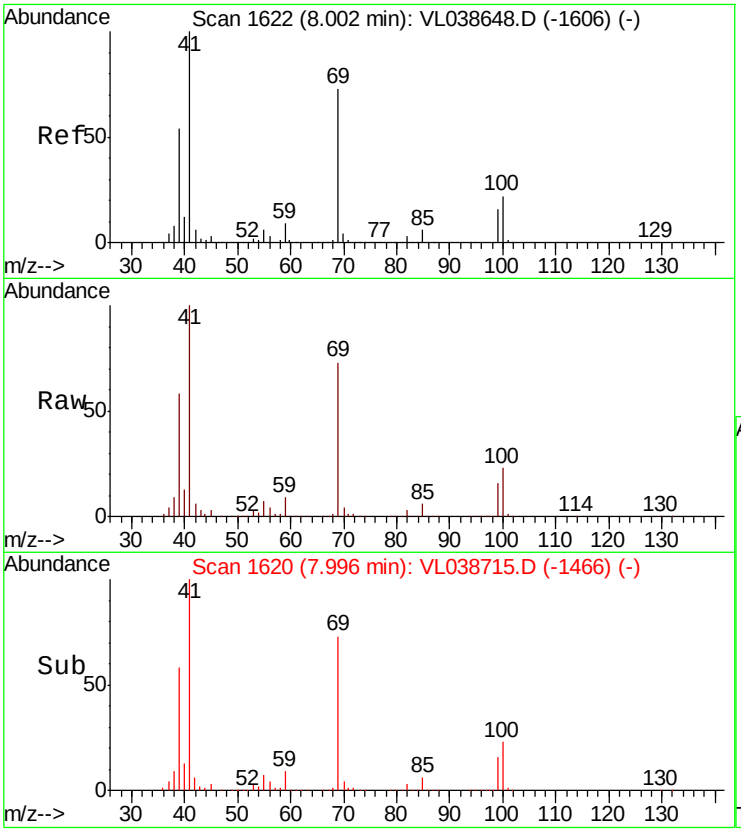


#42
Bromodichloromethane
Concen: 10.821 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 83 Resp: 1366542

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.1	76.7
127	8.3	6.5	9.7



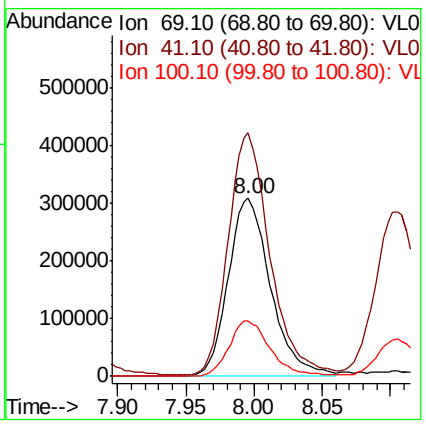


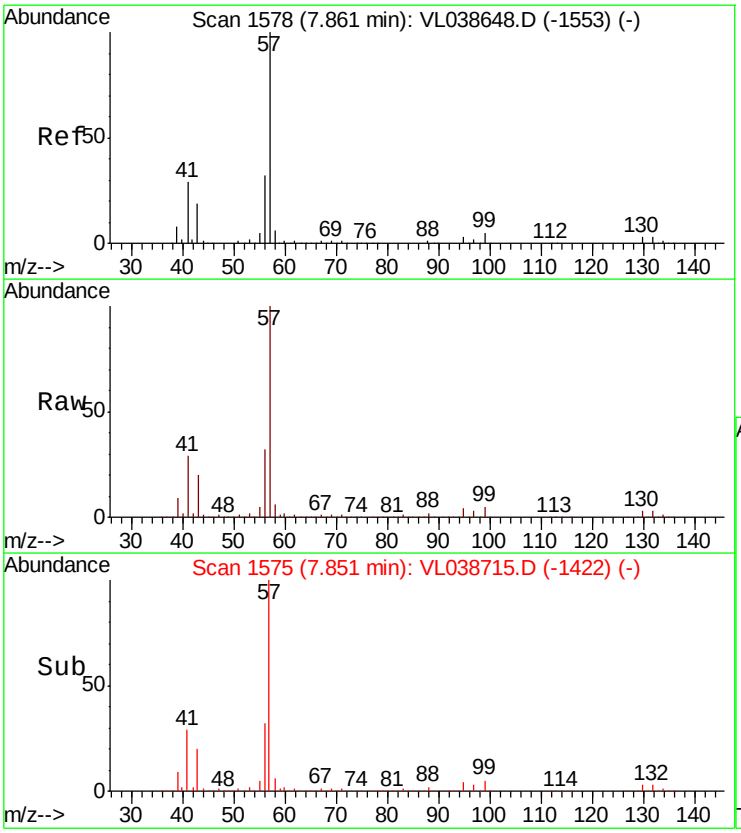
#43
Methyl Methacrylate
Concen: 10.774 ppbv
RT: 8.00
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 662314

Ion	Ratio	Lower	Upper
69	100		
41	136.1	110.3	165.5
100	30.7	24.8	37.2

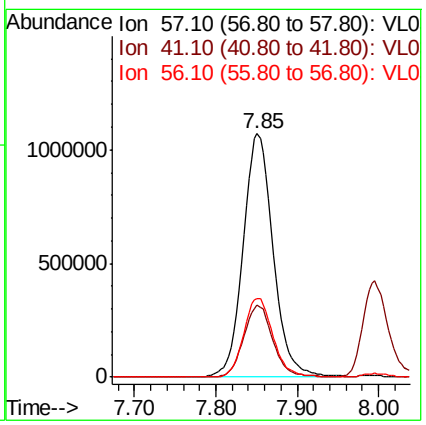


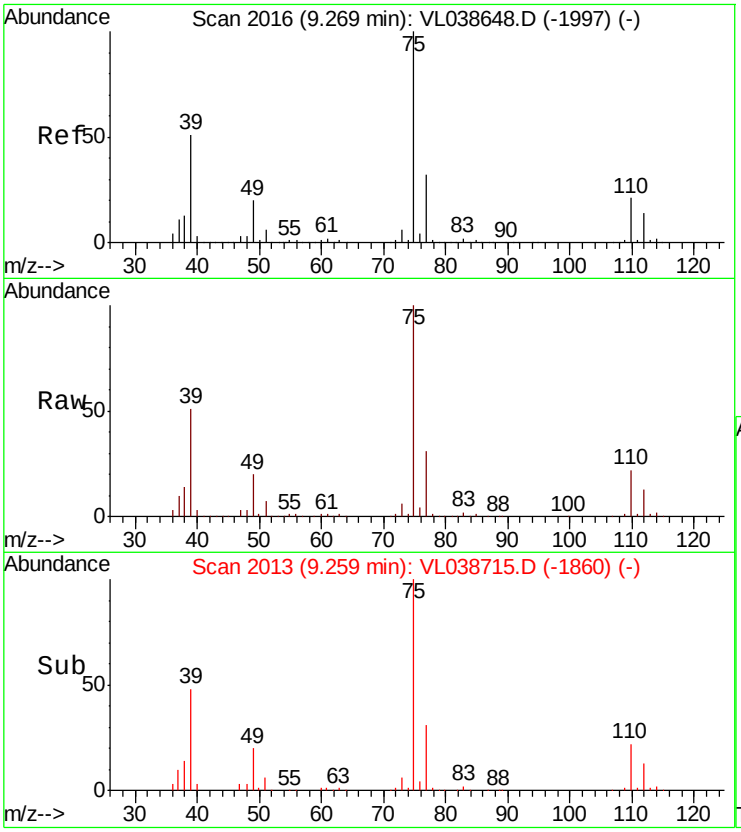


#44
2,2,4-Trimethylpentane
Concen: 9.732 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 57 Resp: 2705711

Ion	Ratio	Lower	Upper
57	100		
41	28.8	23.0	34.4
56	31.6	25.3	37.9



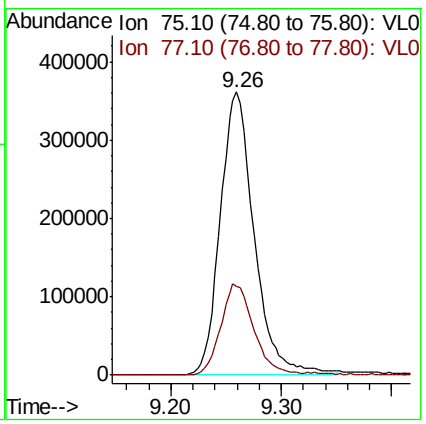


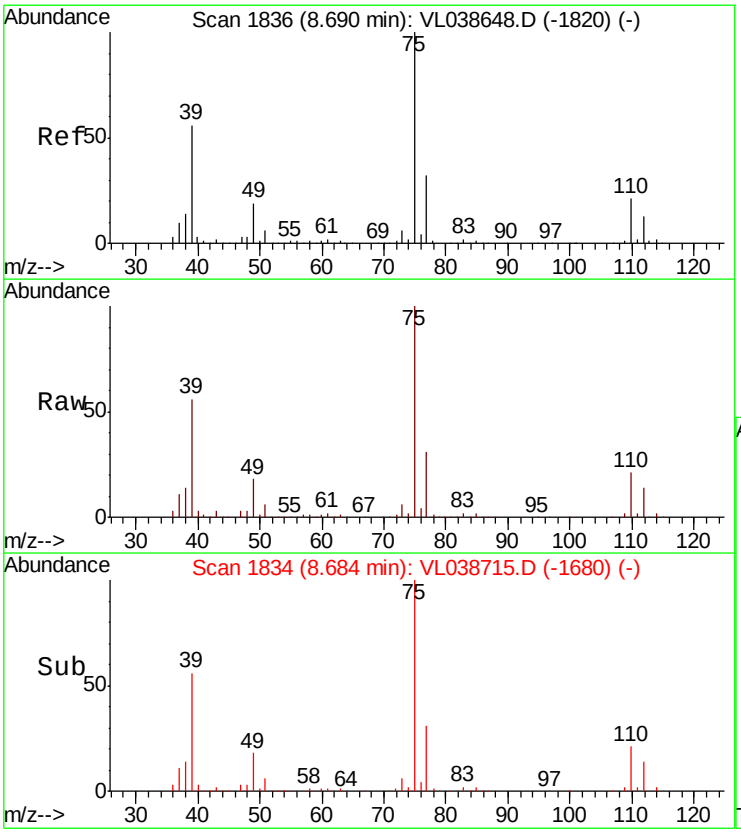
#45
t-1,3-Dichloropropene
Concen: 12.373 ppbv
RT: 9.26
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 773362

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.5	38.3

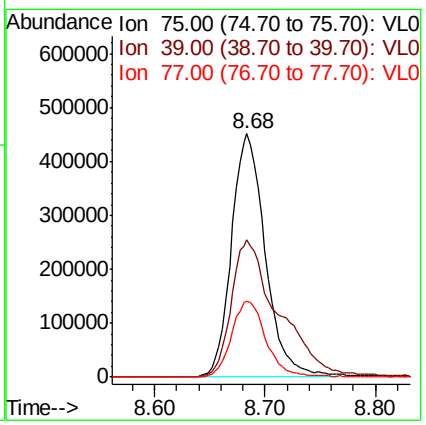


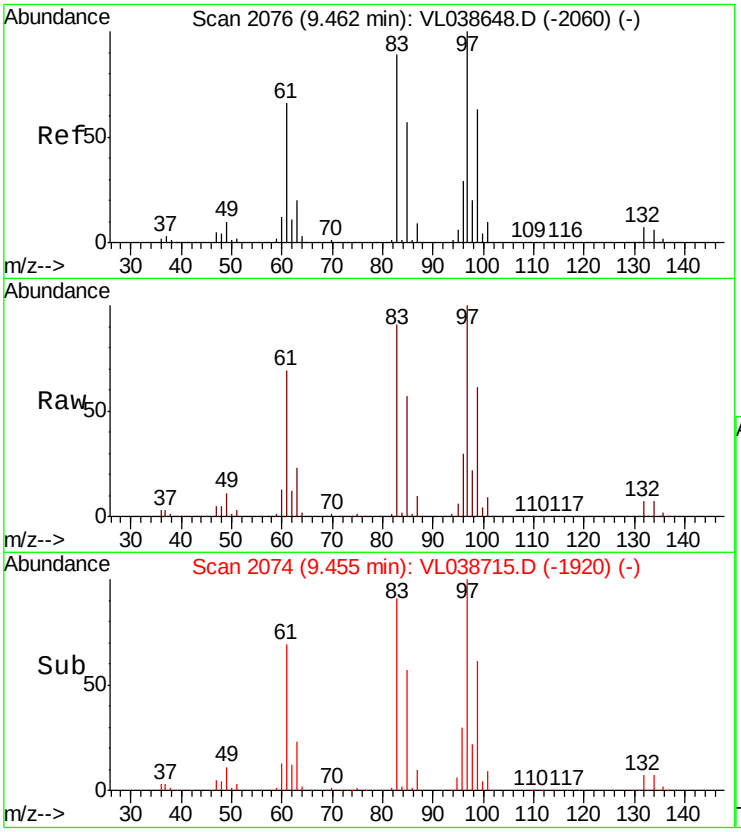


#46
cis-1,3-Dichloropropene
Concen: 11.339 ppbv
RT: 8.68 min Scan# 1834
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 75 Resp: 958320

Ion	Ratio	Lower	Upper
75	100		
39	56.1	44.8	67.2
77	31.4	25.4	38.0



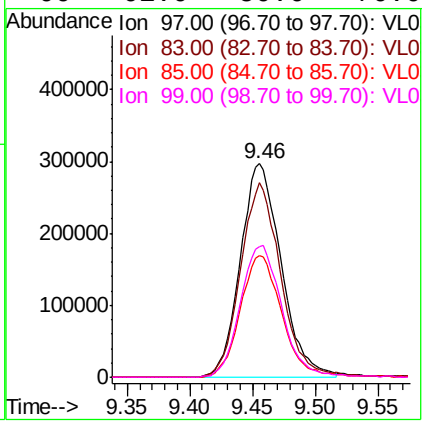


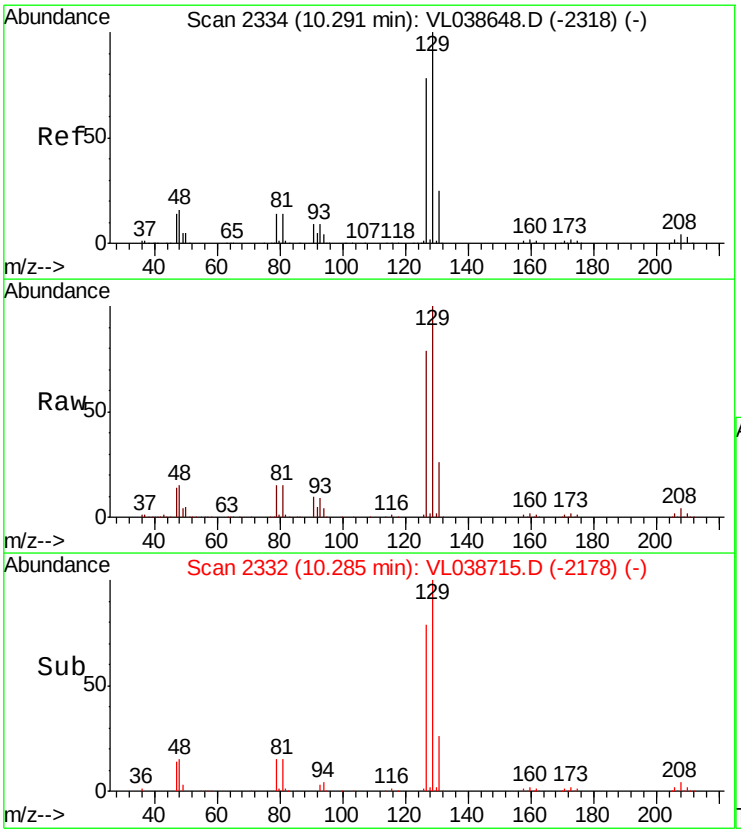
#47
1,1,2-Trichloroethane
Concen: 9.701 ppbv
RT: 9.46
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 670433

Ion	Ratio	Lower	Upper
97	100		
83	91.0	71.2	106.8
85	57.1	45.3	67.9
99	61.0	50.6	76.0

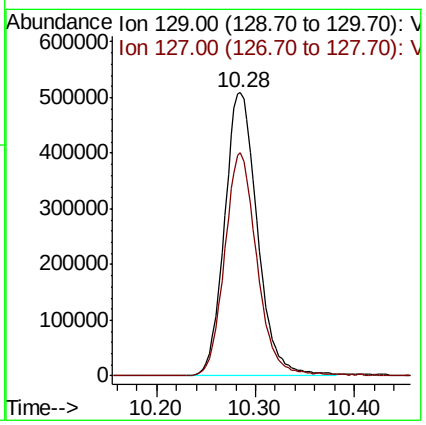


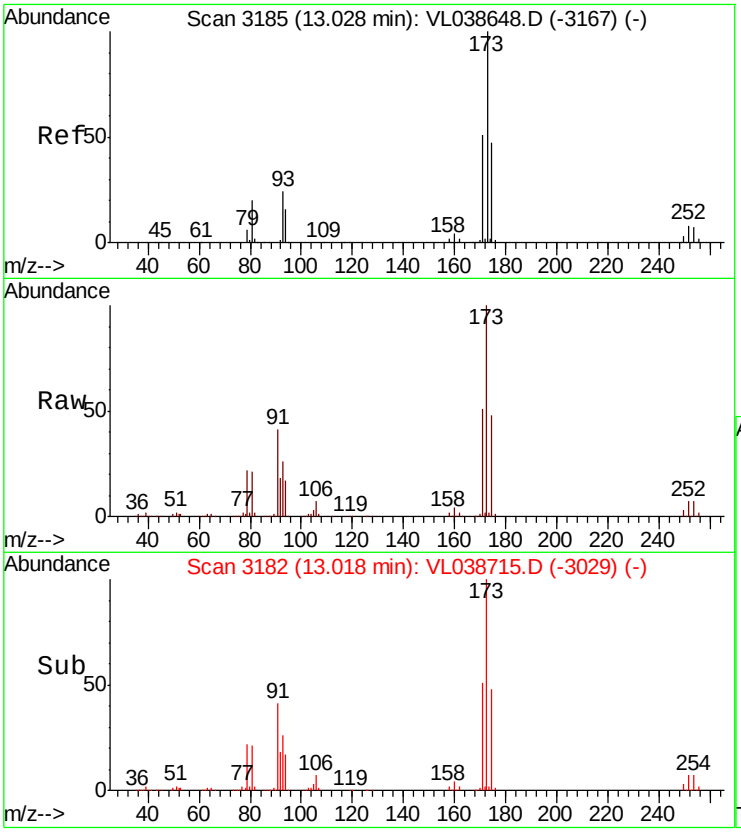


#48
Dibromochloromethane
Concen: 10.942 ppbv
RT: 10.28 min Scan# 2332
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion:129 Resp: 1184473

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.5	118.5



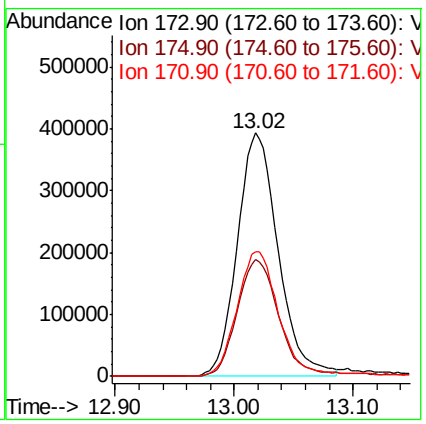


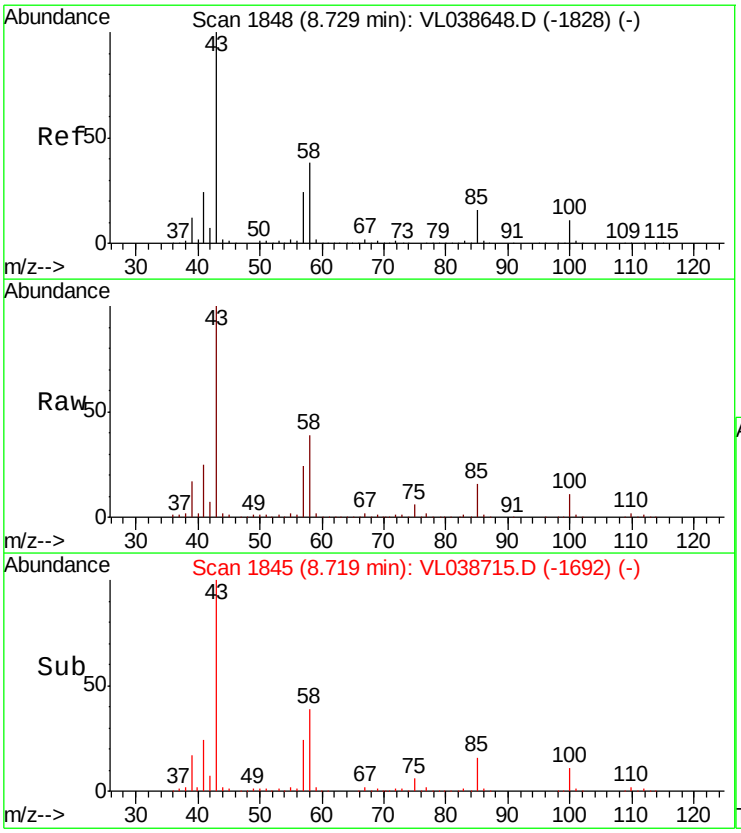
#49
Bromoform
Concen: 10.613 ppbv
RT: 13.02
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 936395

Ion	Ratio	Lower	Upper
173	100		
175	51.0	41.0	61.6
171	54.3	43.1	64.7

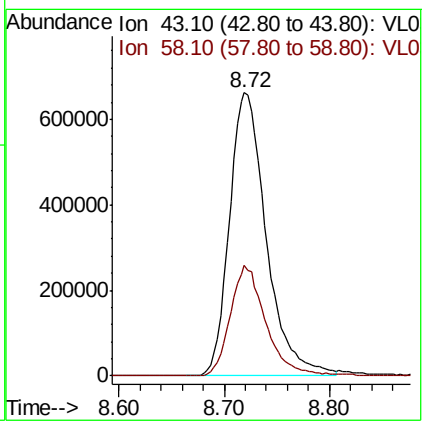


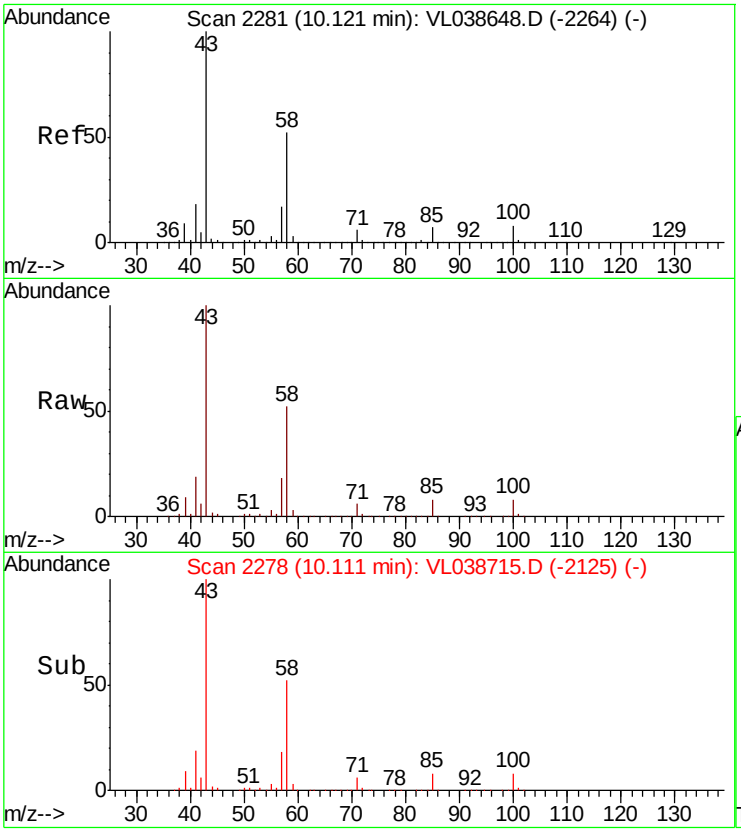


#50
4-Methyl-2-Pentanone
Concen: 10.156 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 43 Resp: 1603343

Ion	Ratio	Lower	Upper
43	100		
58	37.8	29.9	44.9



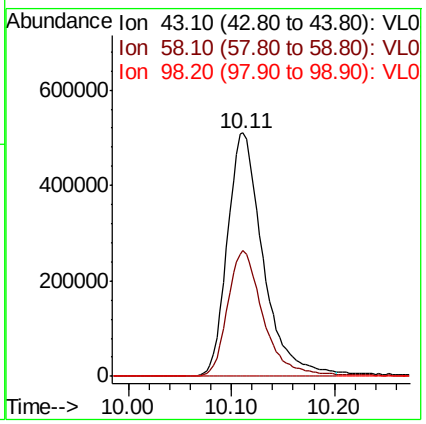


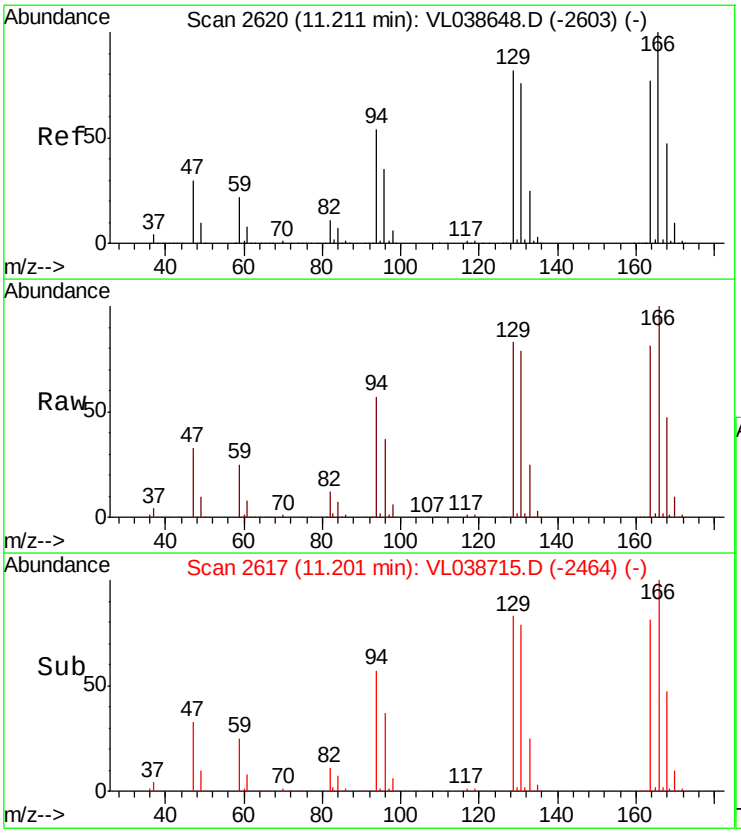
#51
2-Hexanone
Concen: 10.872 ppbv
RT: 10.11
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1232822

Ion	Ratio	Lower	Upper
43	100		
58	52.8	41.2	61.8
98	0.3	0.2	0.4

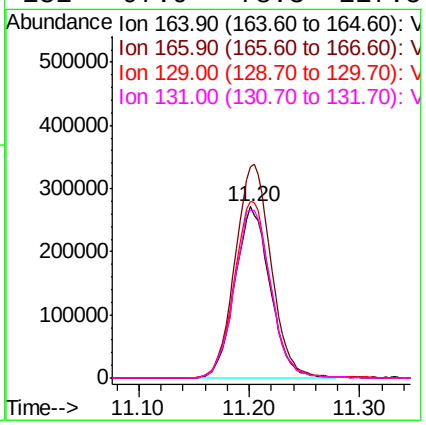


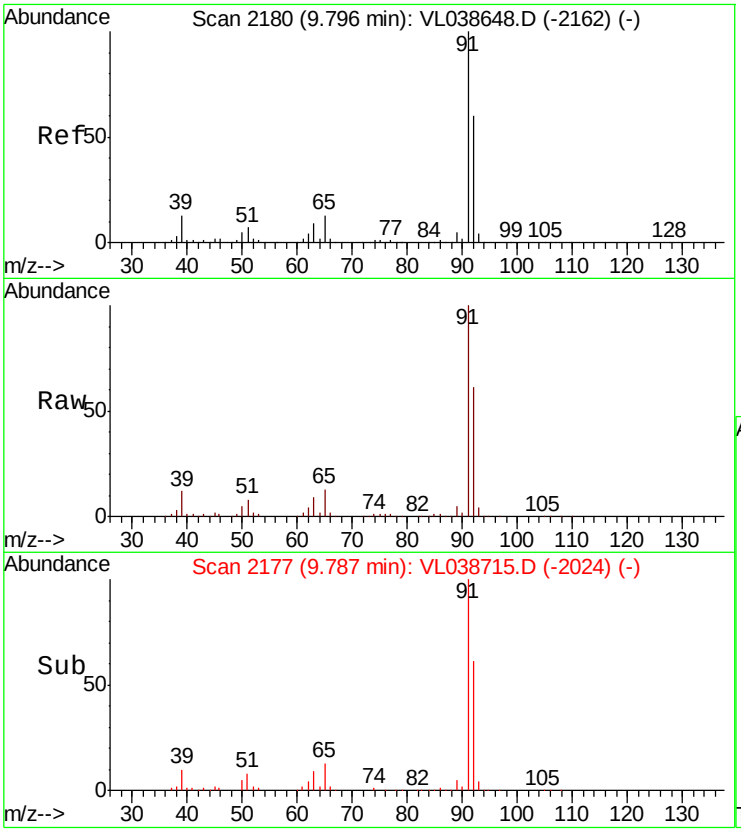


#52
Tetrachloroethene
Concen: 9.886 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion:164 Resp: 599010

Ion	Ratio	Lower	Upper
164	100		
166	123.6	103.3	154.9
129	103.1	85.2	127.8
131	97.9	78.3	117.5



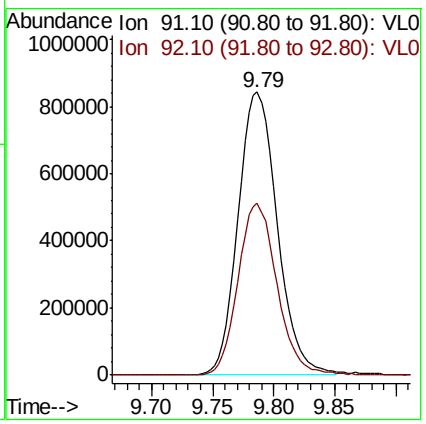


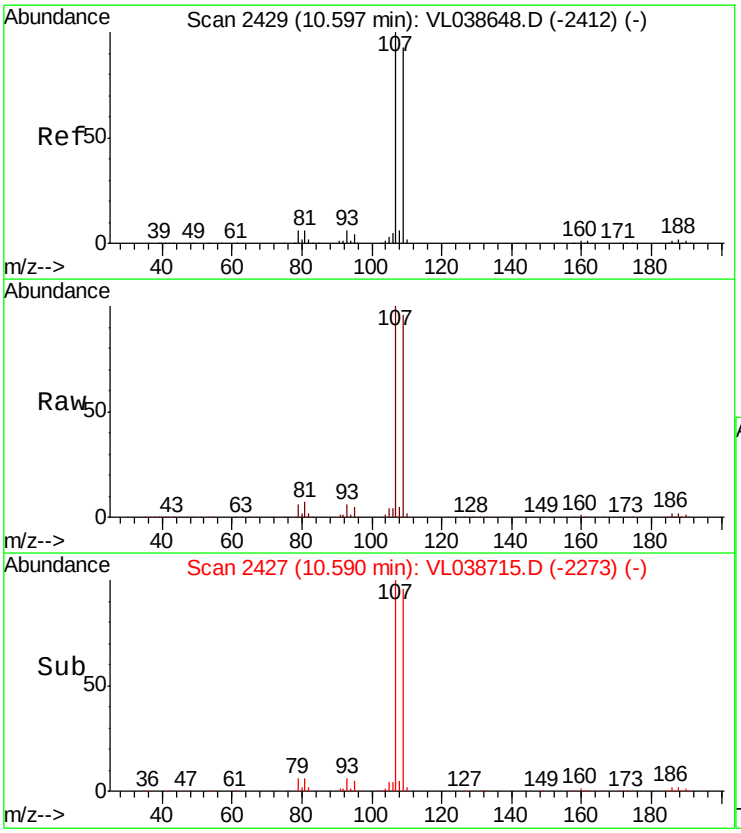
#53
Toluene
Concen: 10.536 ppbv
RT: 9.79
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 1874577

Ion	Ratio	Lower	Upper
91	100		
92	60.6	48.7	73.1

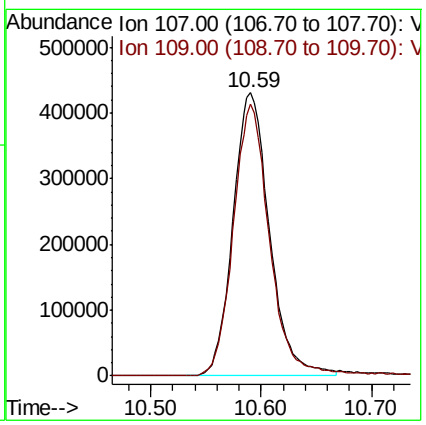


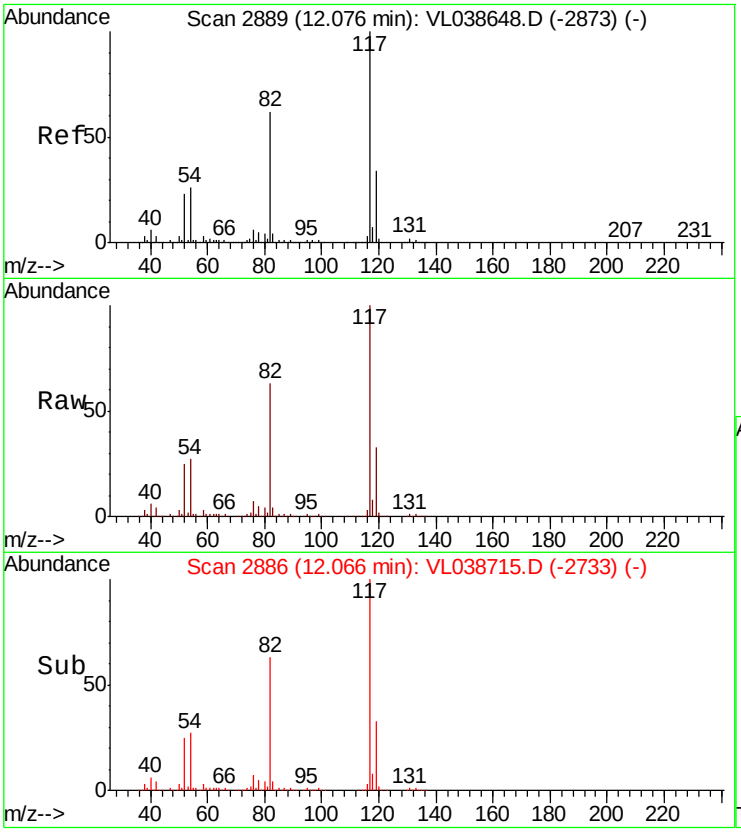


#54
1,2-Dibromoethane
Concen: 10.479 ppbv
RT: 10.59 min Scan# 2427
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion:107 Resp: 988846

Ion	Ratio	Lower	Upper
107	100		
109	96.2	74.1	111.1



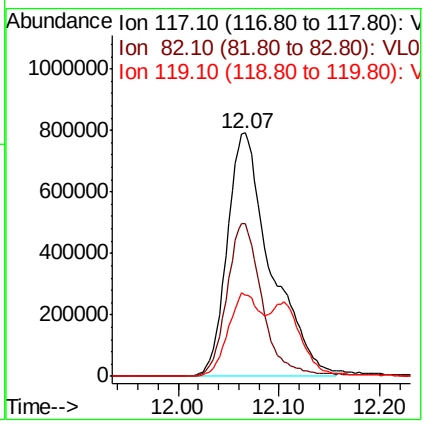


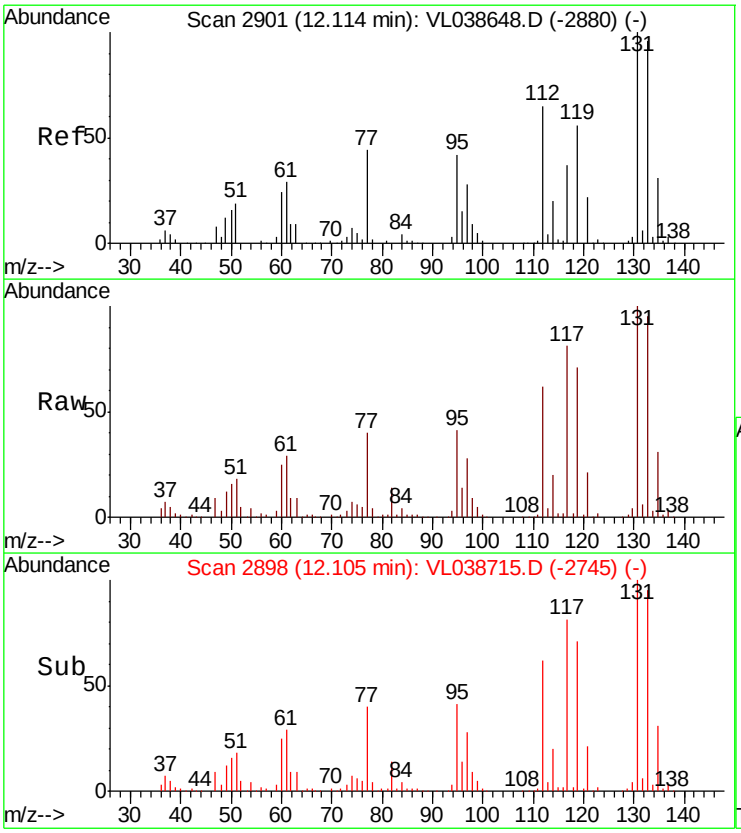
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2390506

Ion	Ratio	Lower	Upper
117	100		
82	51.8	51.6	77.4
119	25.1	26.9	40.3#

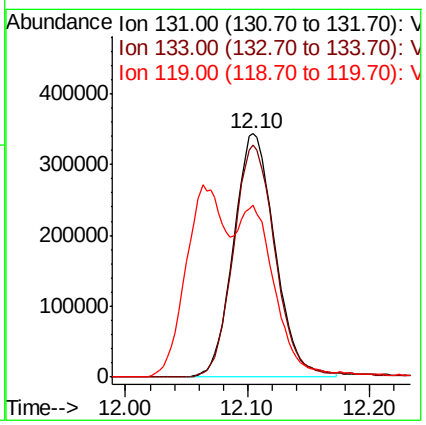


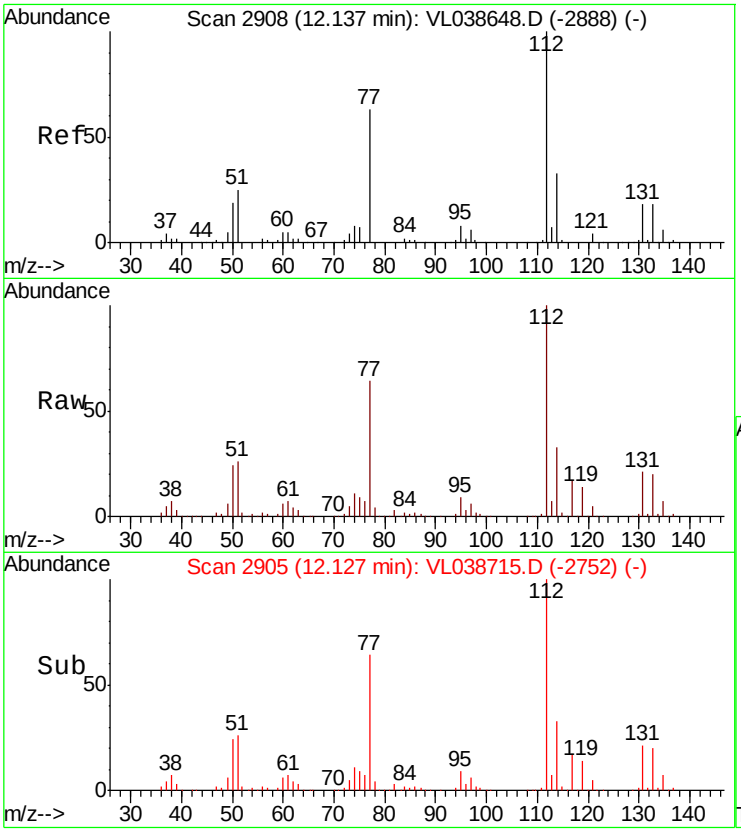


#56
1,1,1,2-Tetrachloroethane
Concen: 8.150 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion:131 Resp: 807684

Ion	Ratio	Lower	Upper
131	100		
133	98.5	77.3	115.9
119	64.2	53.0	79.6



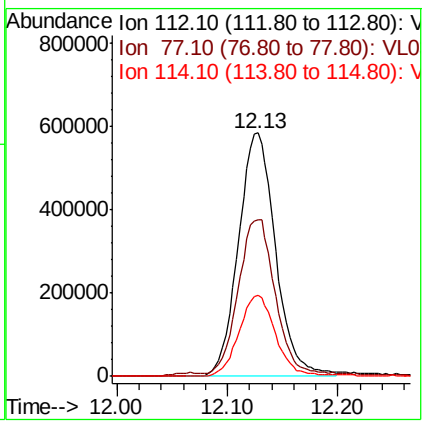


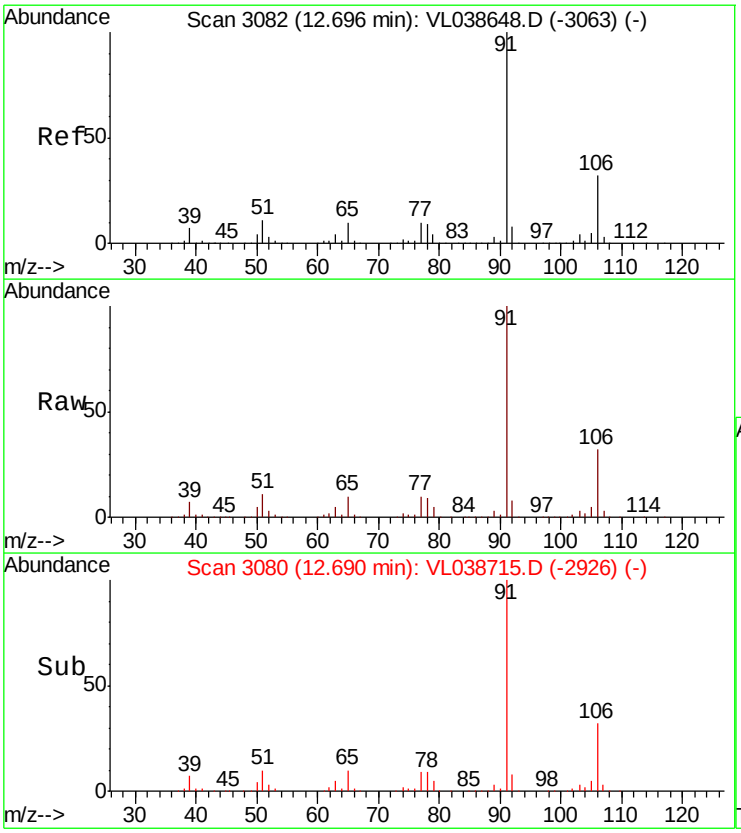
#57
Chlorobenzene
Concen: 7.908 ppbv
RT: 12.13
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 1363415

Ion	Ratio	Lower	Upper
112	100		
77	63.0	51.0	76.6
114	32.6	29.8	36.4

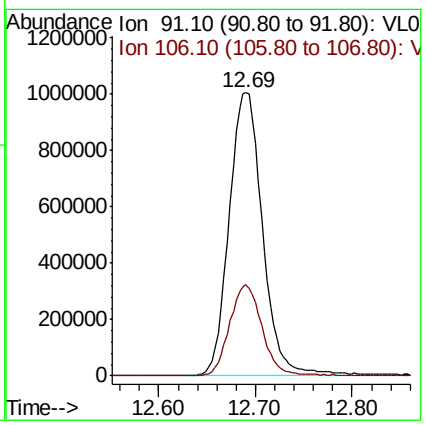


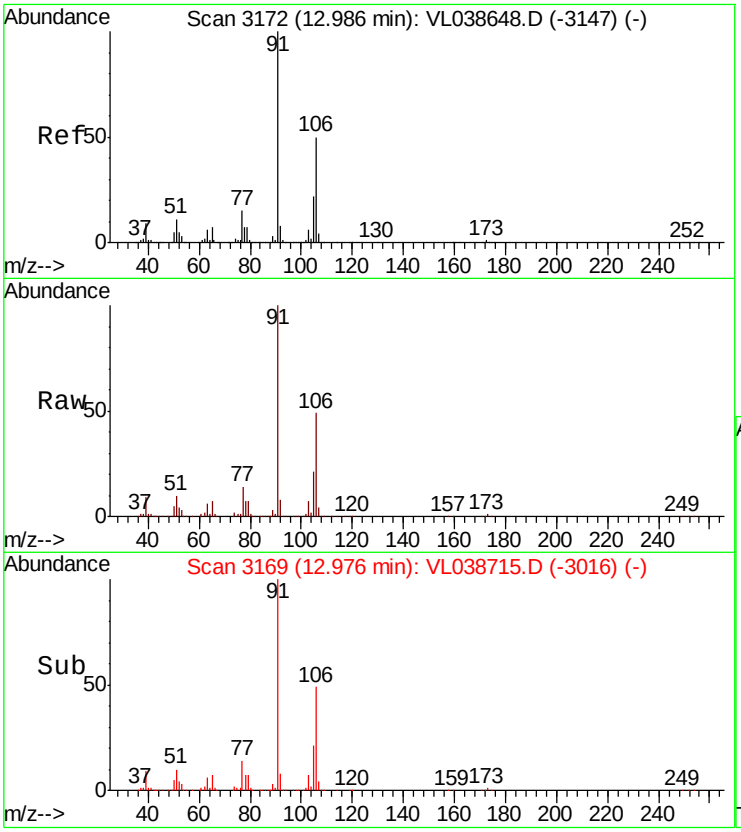


#58
Ethyl Benzene
Concen: 8.626 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 91 Resp: 2410737

Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.4	38.0



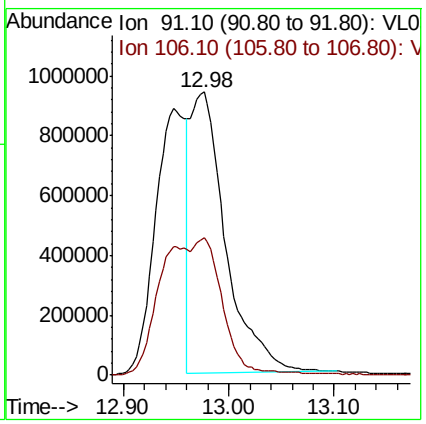


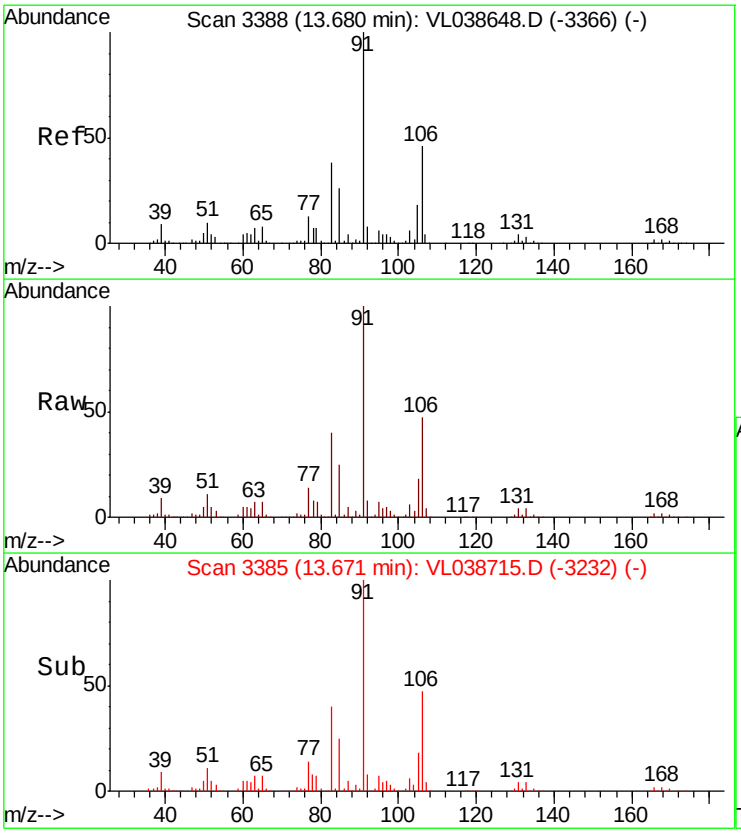
#59
m/p-Xylene
Concen: 8.933 ppbv
RT: 12.98
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2183692

Ion	Ratio	Lower	Upper
91	100		
106	86.0	37.2	55.8#

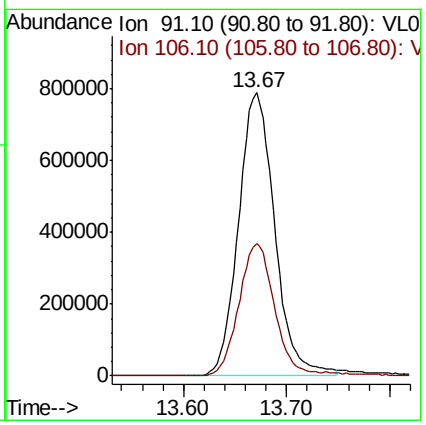


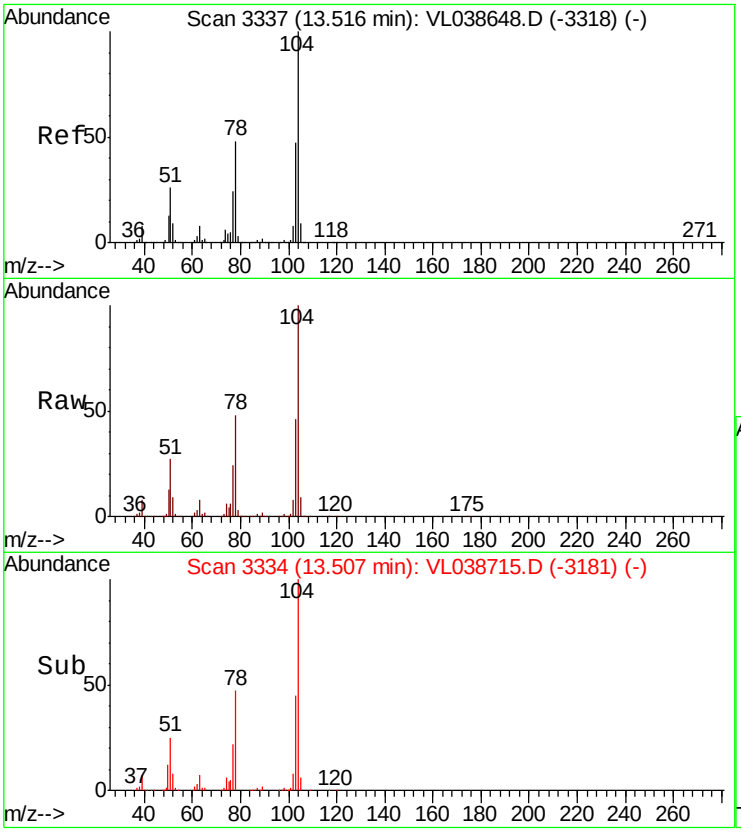


#60
o-Xylene
Concen: 8.284 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 91 Resp: 1922838

Ion	Ratio	Lower	Upper
91	100		
106	47.5	23.5	70.5



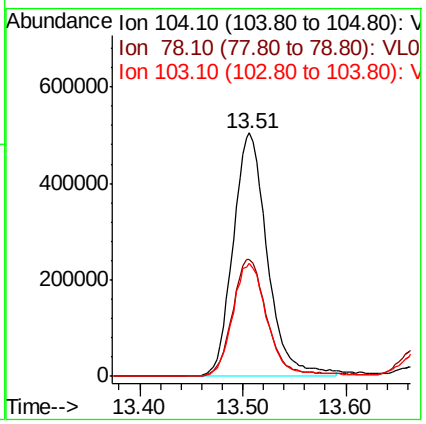


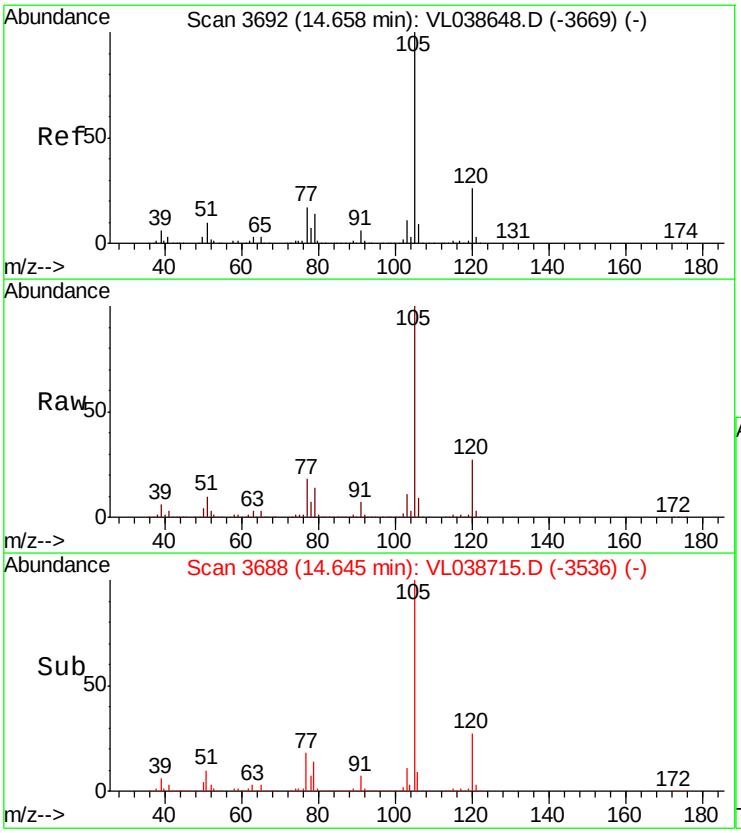
#61
Stvrene
Concen: 9.262 ppbv
RT: 13.51
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1165863

Ion	Ratio	Lower	Upper
104	100		
78	49.5	39.0	58.4
103	47.6	37.8	56.8

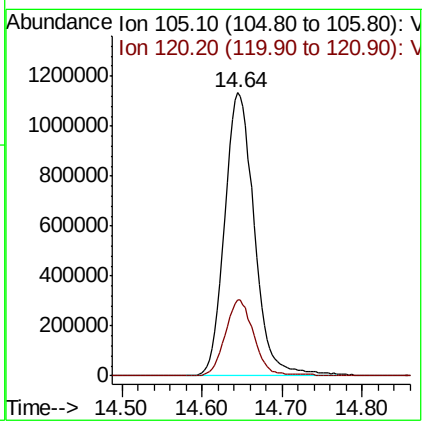


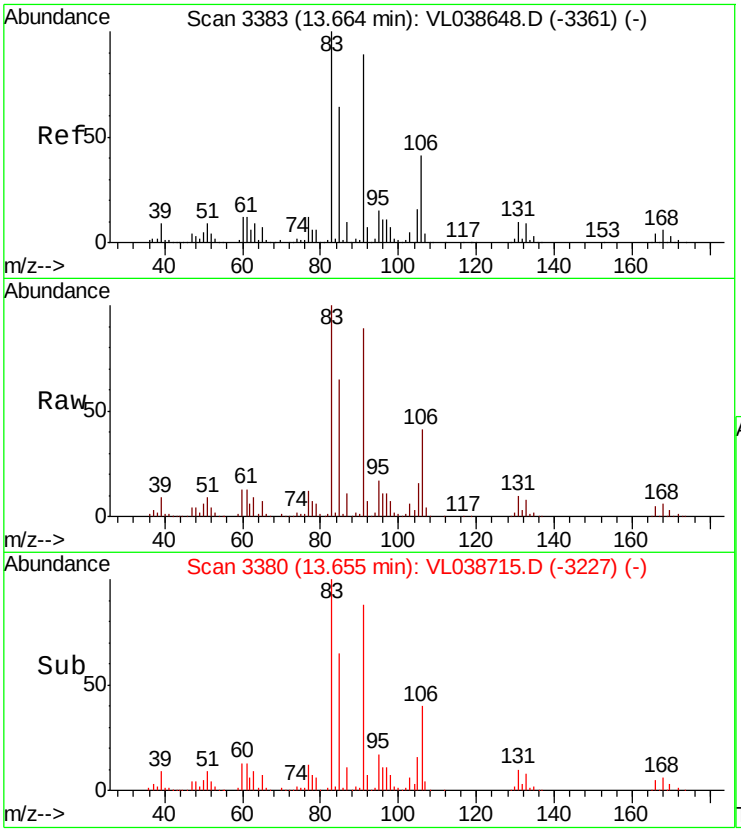


#62
Isopropylbenzene
Concen: 8.212 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion:105 Resp: 2865409

Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.2	31.8



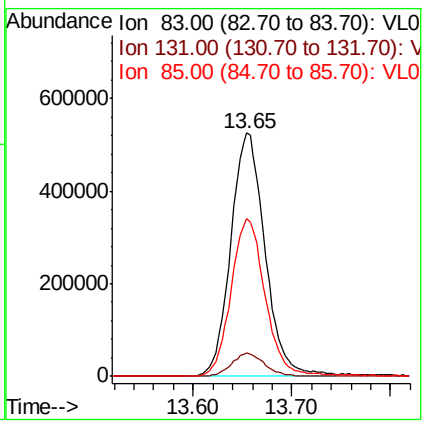


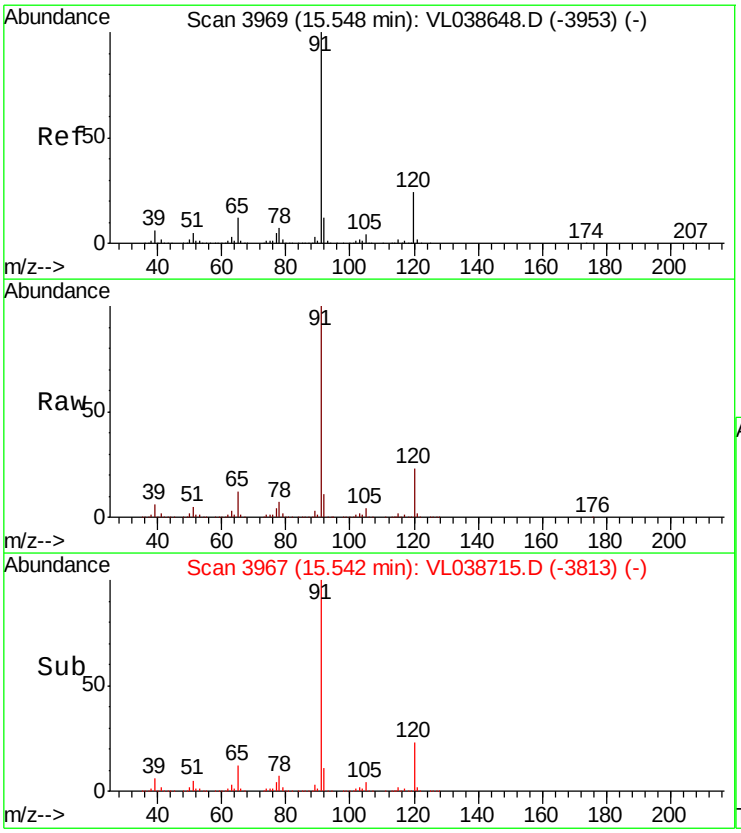
#63
1,1,2,2-Tetrachloroethane
Concen: 7.032 ppbv
RT: 13.65
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1264323

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.3
85	65.6	32.6	97.8

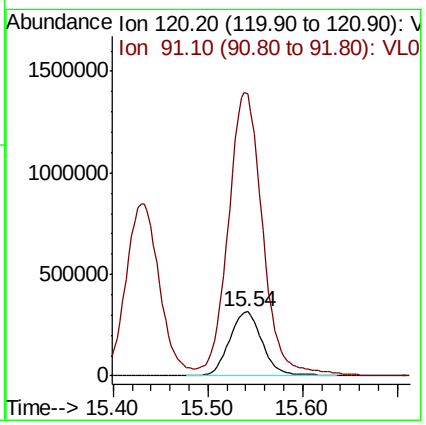


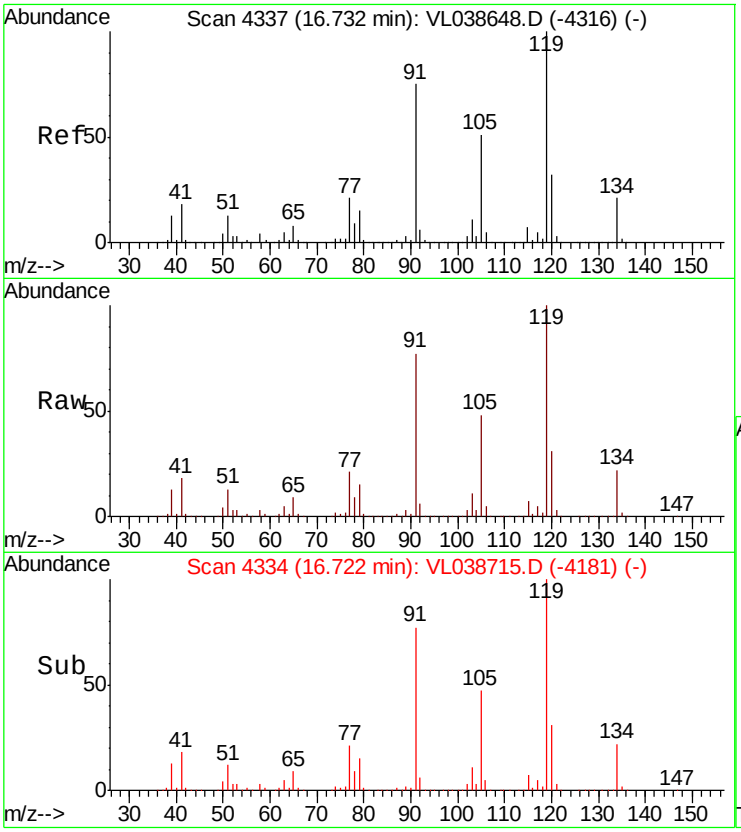


#64
n-propylbenzene
Concen: 8.370 ppbv
RT: 15.54 min Scan# 3967
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion:120 Resp: 766376

Ion	Ratio	Lower	Upper
120	100		
91	460.7	368.0	552.0



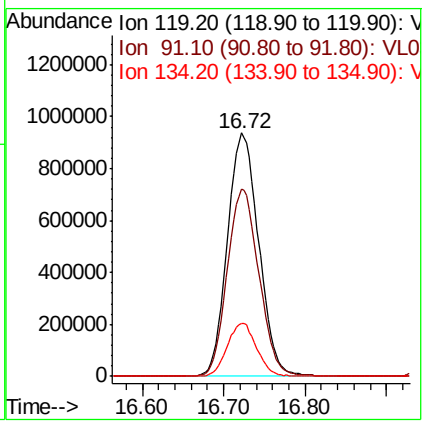


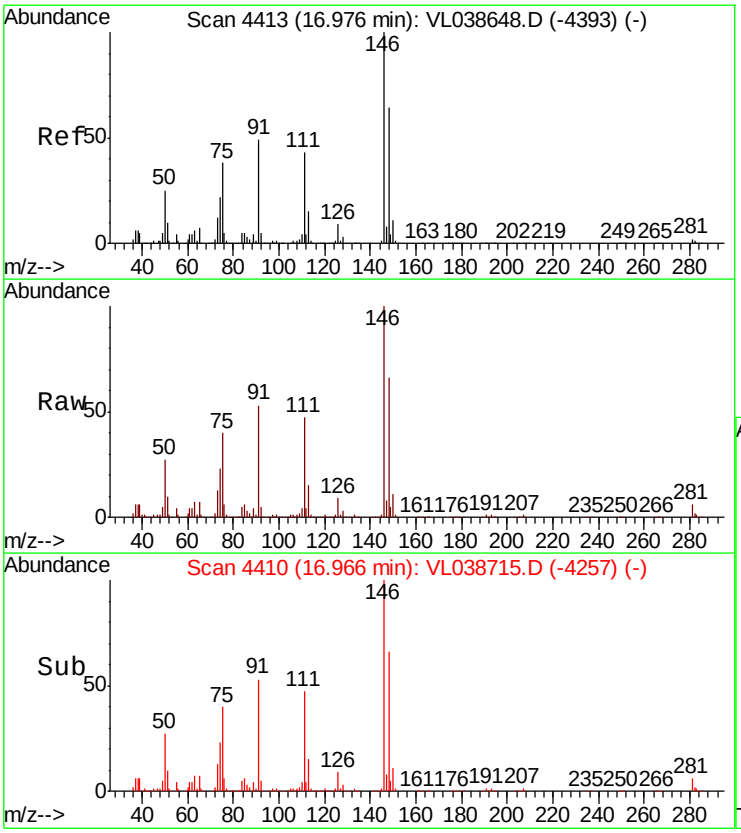
#65
tert-Butylbenzene
Concen: 8.015 ppbv
RT: 16.72
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 2513106

Ion	Ratio	Lower	Upper
119	100		
91	78.2	61.2	91.8
134	20.5	16.3	24.5

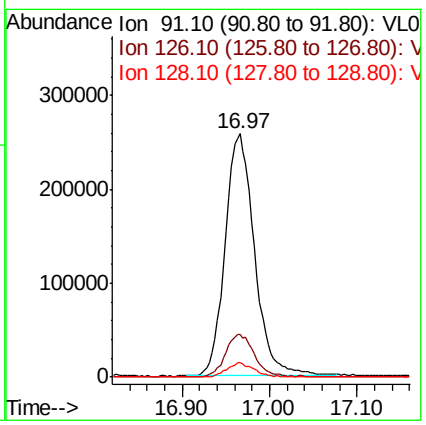


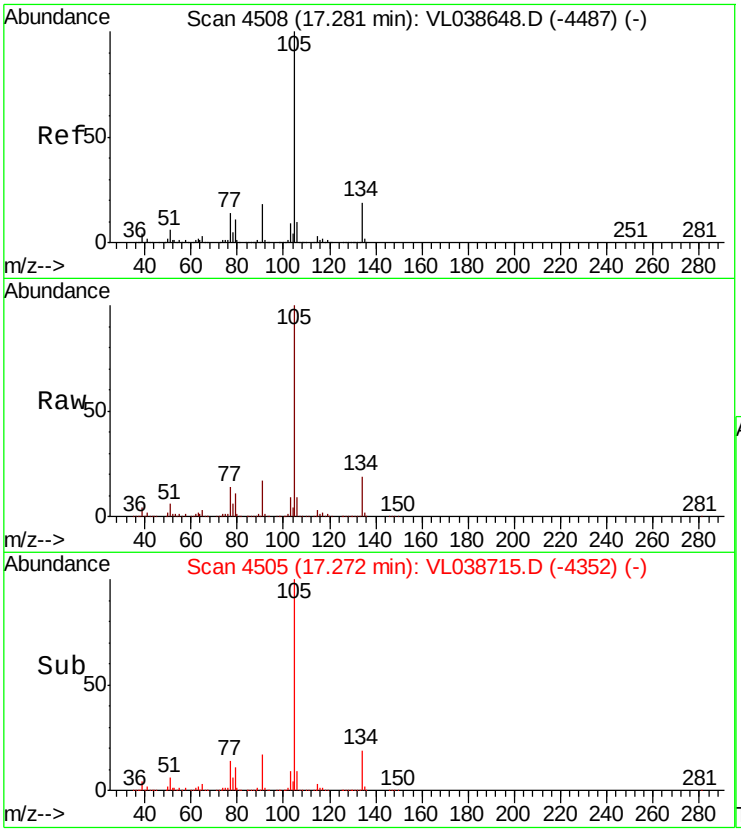


#66
Benzyl Chloride
Concen: 10.175 ppbv
RT: 16.97 min Scan# 4410
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 91 Resp: 604104

Ion	Ratio	Lower	Upper
91	100		
126	17.4	14.3	21.5
128	5.7	4.6	6.8



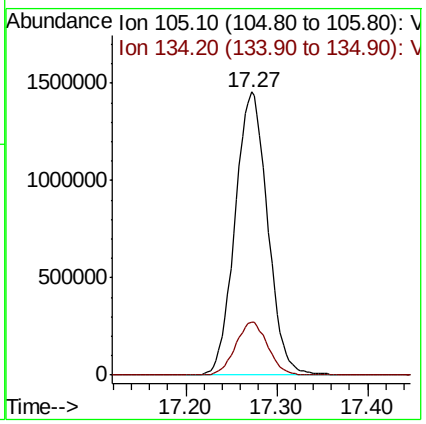


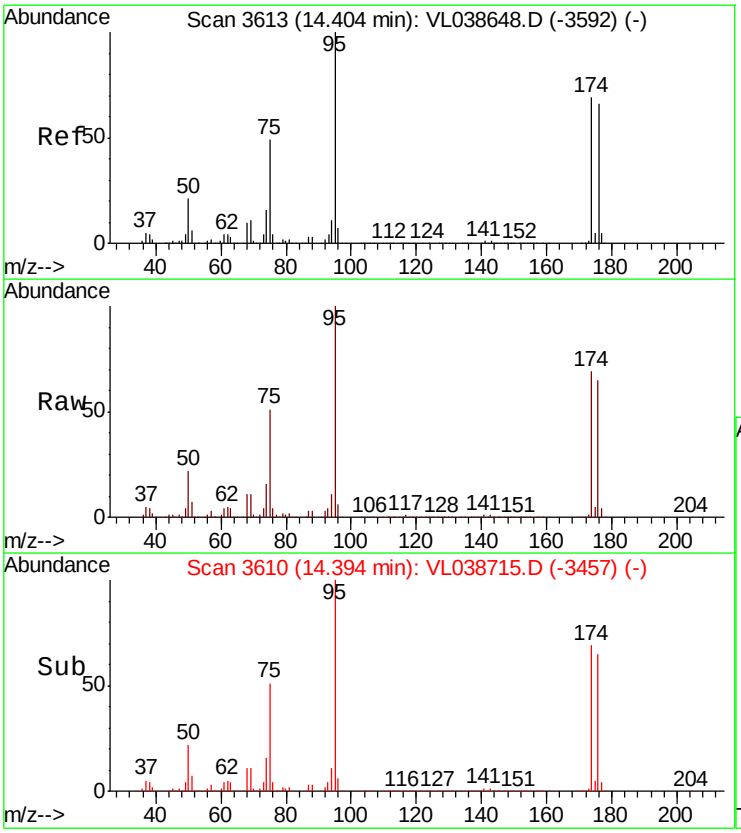
#67
sec-Butylbenzene
Concen: 8.051 ppbv
RT: 17.27
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 3609899

Ion	Ratio	Lower	Upper
105	100		
134	18.6	15.1	22.7

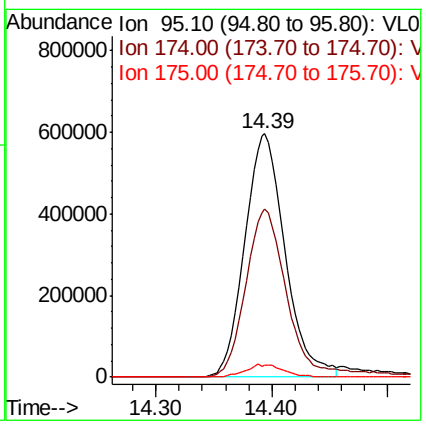


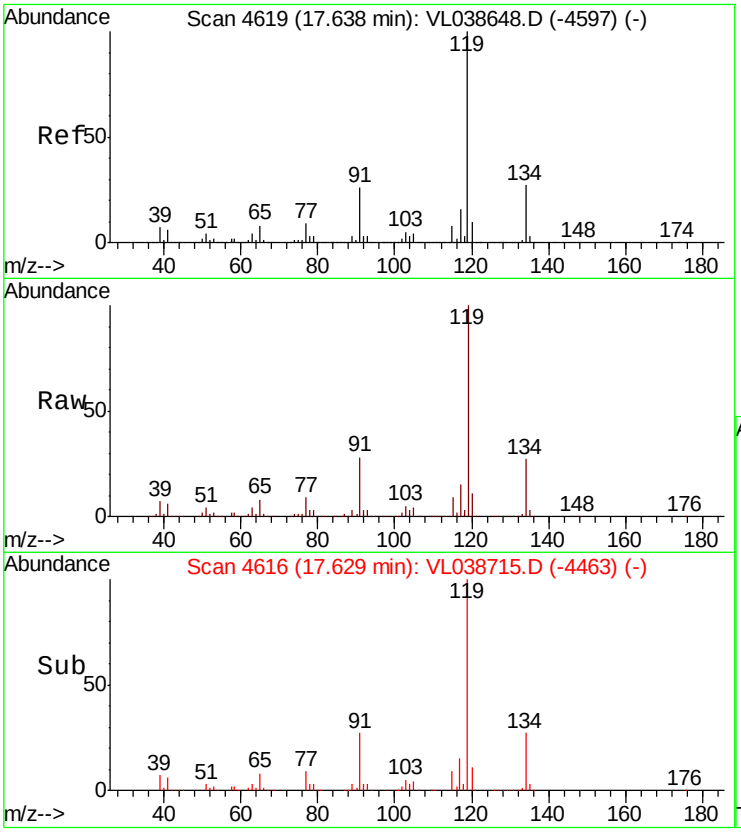


#68
1-Bromo-4-Fluorobenzene
Concen: 7.870 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 95 Resp: 1442361

Ion	Ratio	Lower	Upper
95	100		
174	72.5	56.1	84.1
175	5.2	4.2	6.2



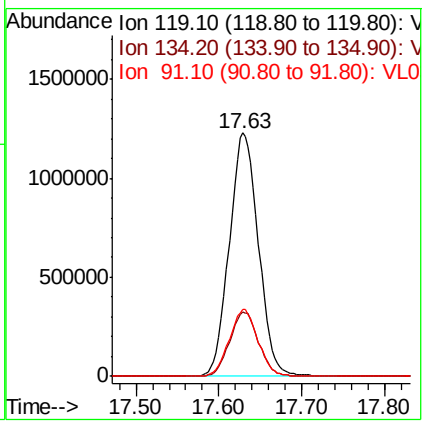


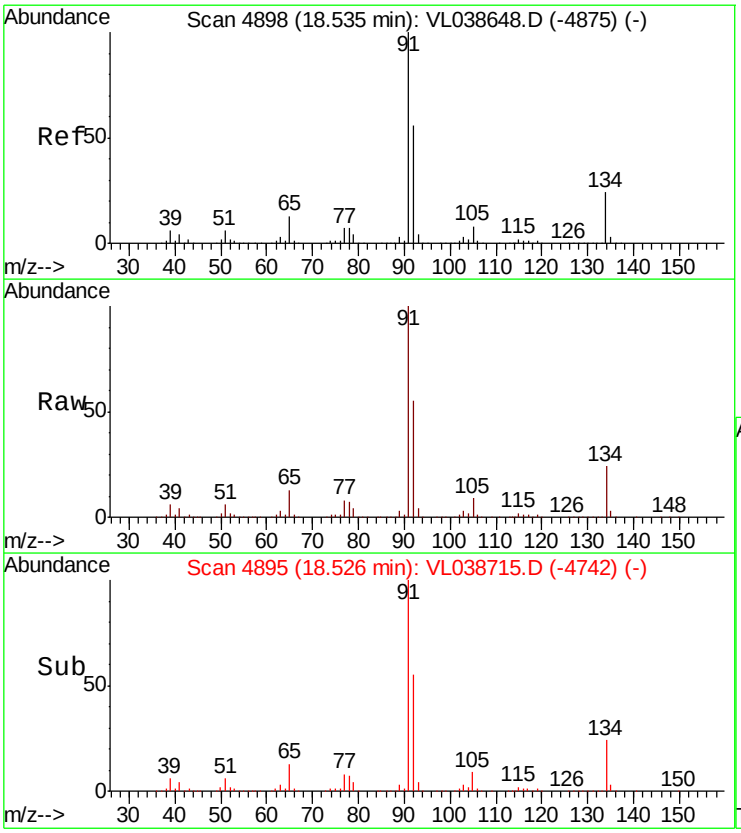
#69
p-Isopropyltoluene
Concen: 8.194 ppbv
RT: 17.63
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 2998587

Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.2	31.8
91	27.1	21.4	32.2

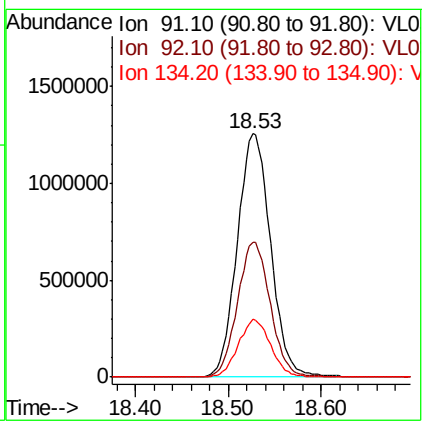


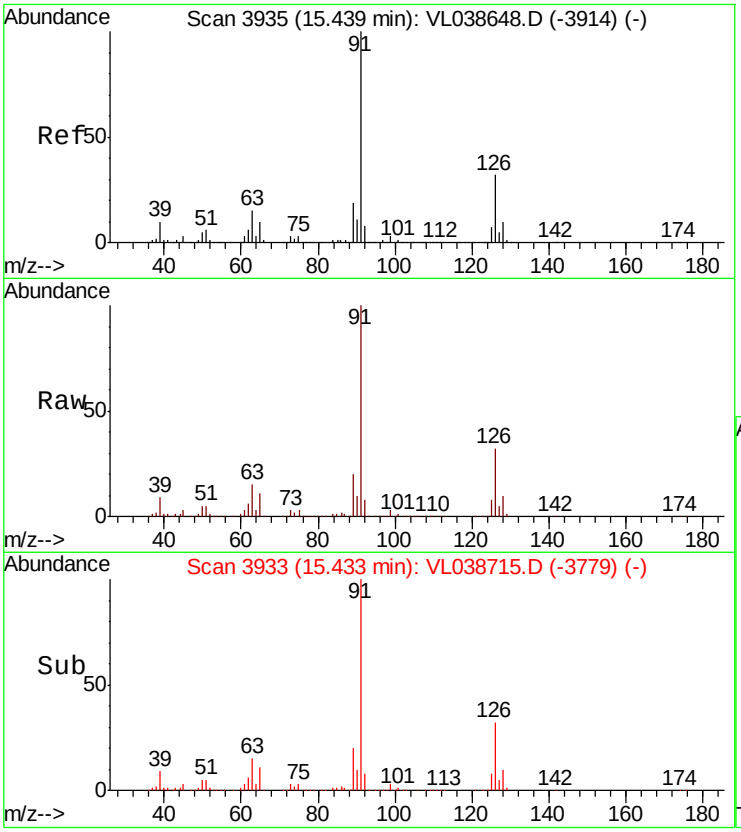


#70
n-Butylbenzene
Concen: 8.304 ppbv
RT: 18.53 min Scan# 4895
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 91 Resp: 3134637

Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.9	65.9
134	23.2	18.7	28.1



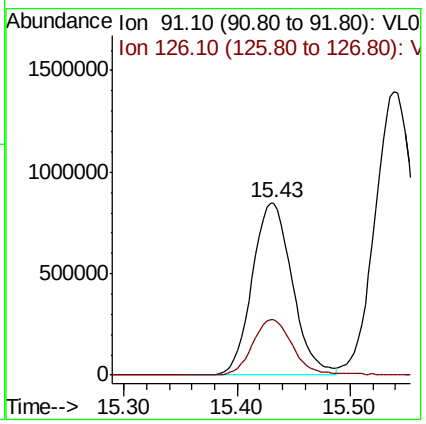


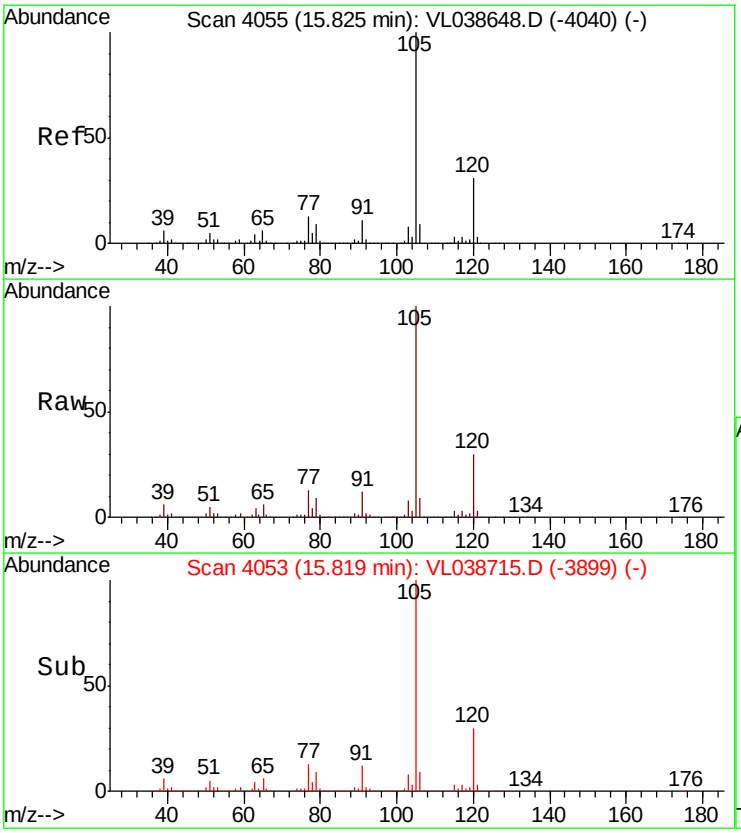
#71
2-Chlorotoluene
Concen: 8.064 ppbv
RT: 15.43
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2088490

Ion	Ratio	Lower	Upper
91	100		
126	33.0	13.1	52.3

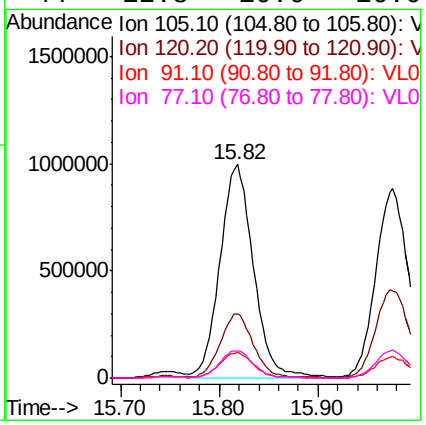


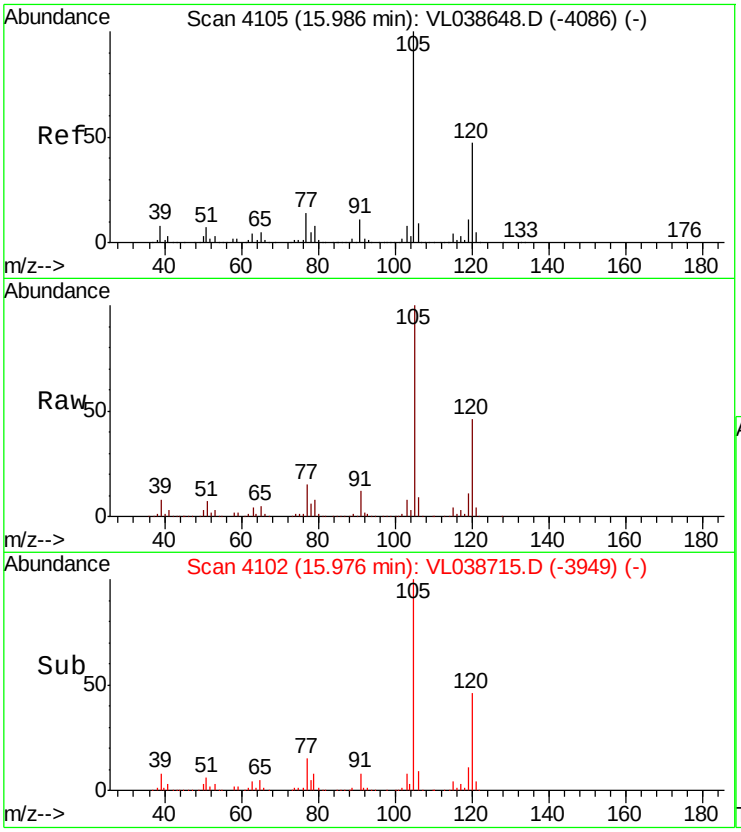


#72
4-Ethyltoluene
Concen: 8.621 ppbv
RT: 15.82 min Scan# 4053
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion:105 Resp: 2362099

Ion	Ratio	Lower	Upper
105	100		
120	30.2	24.9	37.3
91	11.8	9.8	14.6
77	12.8	10.6	16.0



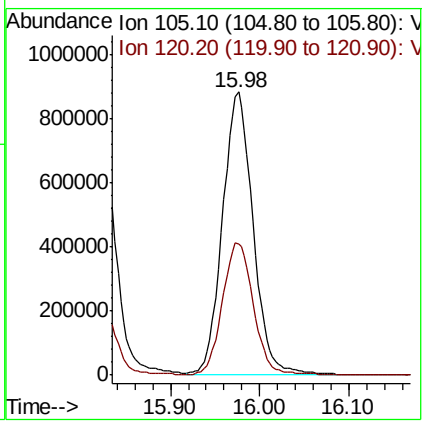


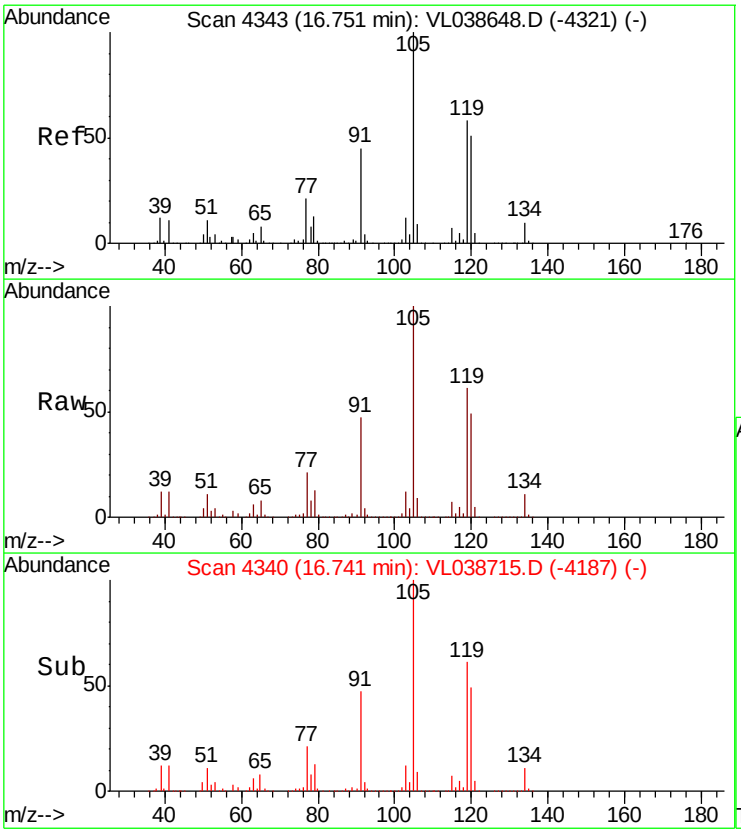
#73
1,3,5-Trimethylbenzene
Concen: 8.325 ppbv
RT: 15.98
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 2078459

Ion	Ratio	Lower	Upper
105	100		
120	46.2	37.6	56.4

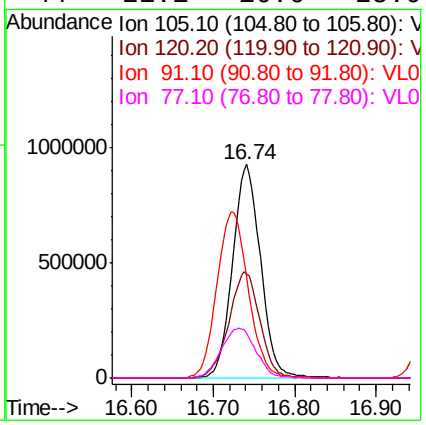


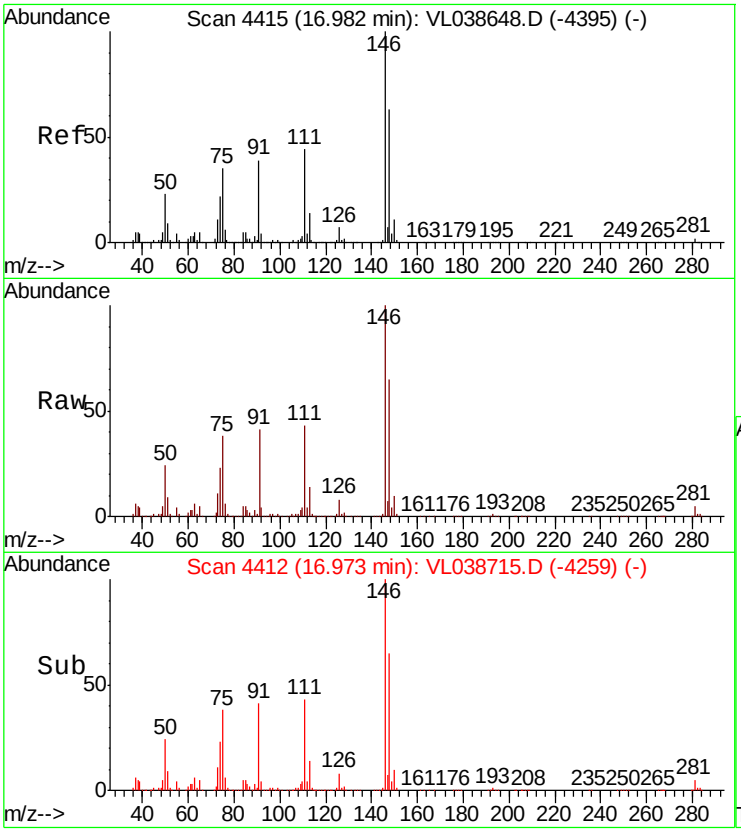


#74
1,2,4-Trimethylbenzene
Concen: 8.119 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion:105 Resp: 2207922

Ion	Ratio	Lower	Upper
105	100		
120	48.7	40.5	60.7
91	47.4	35.9	53.9
77	21.1	16.6	25.0



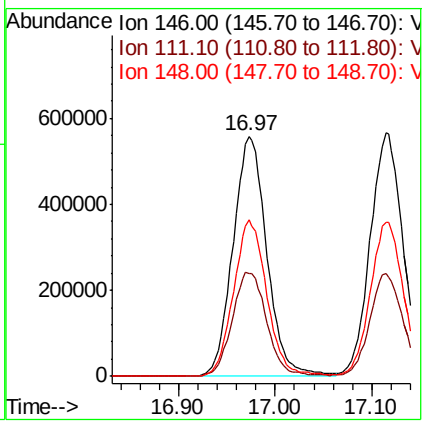


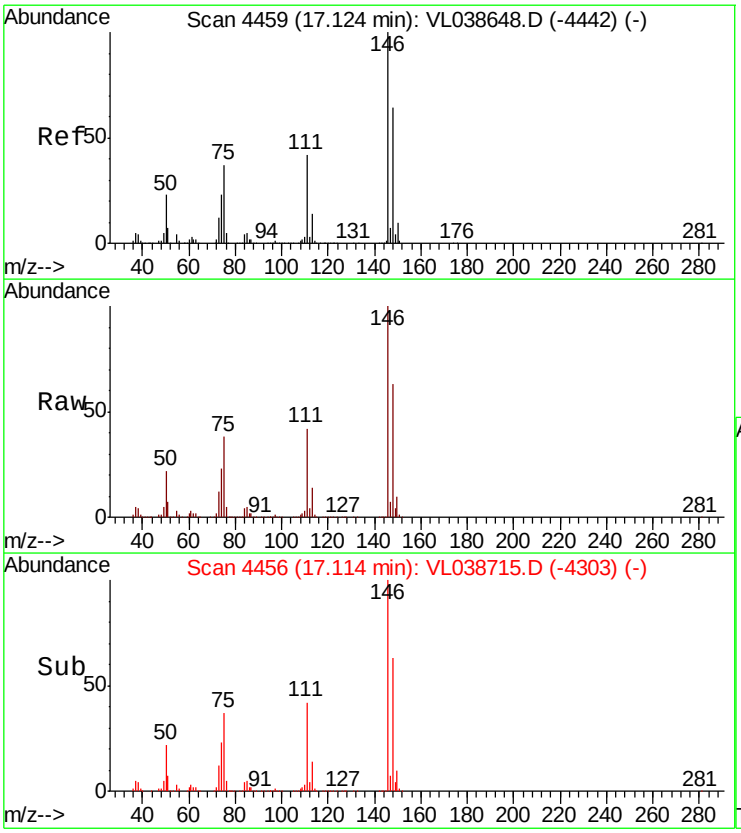
#75
1,3-Dichlorobenzene
Concen: 7.827 ppbv
RT: 16.97
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1355786

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.2	66.6
148	64.2	32.5	97.5

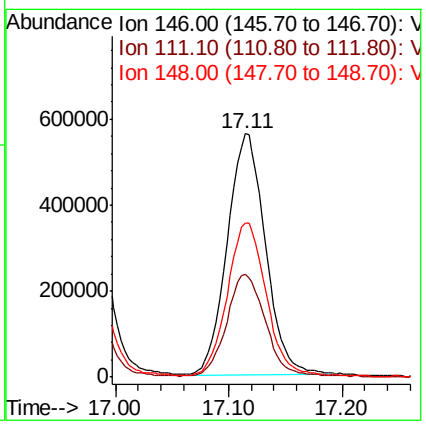


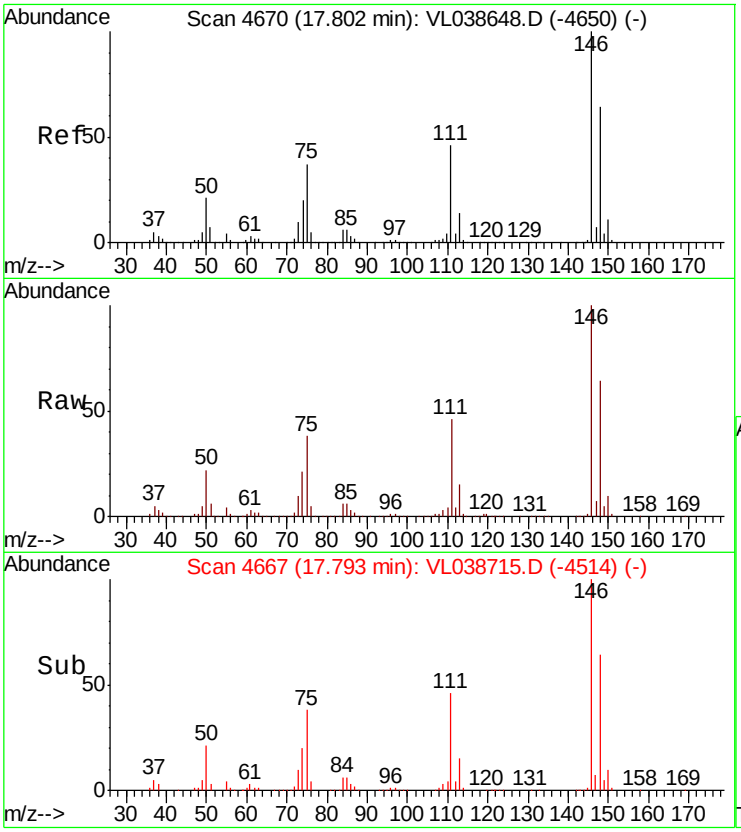


#76
1,4-Dichlorobenzene
Concen: 7.679 ppbv
RT: 17.11 min Scan# 4456
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion:146 Resp: 1322824

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.4	64.2
148	65.9	32.1	96.3



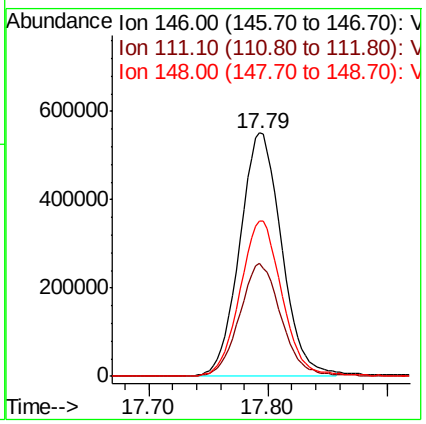


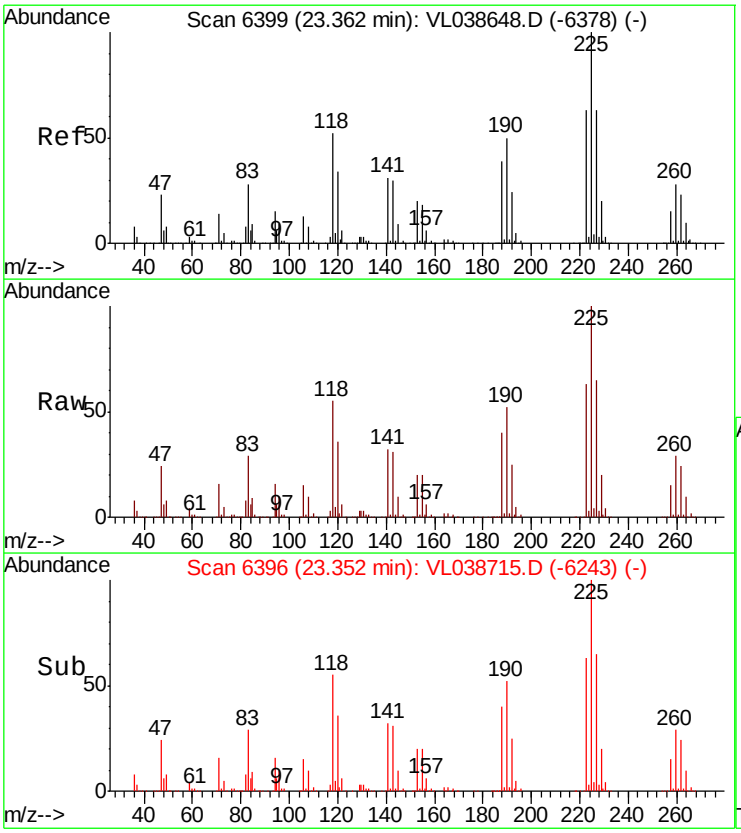
#77
1,2-Dichlorobenzene
Concen: 7.769 ppbv
RT: 17.79
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1333148

Ion	Ratio	Lower	Upper
146	100		
111	46.7	22.8	68.4
148	64.4	32.5	97.4

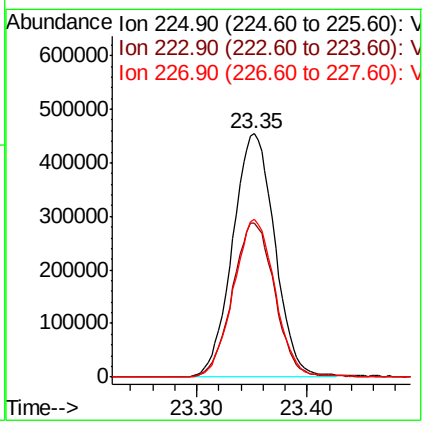


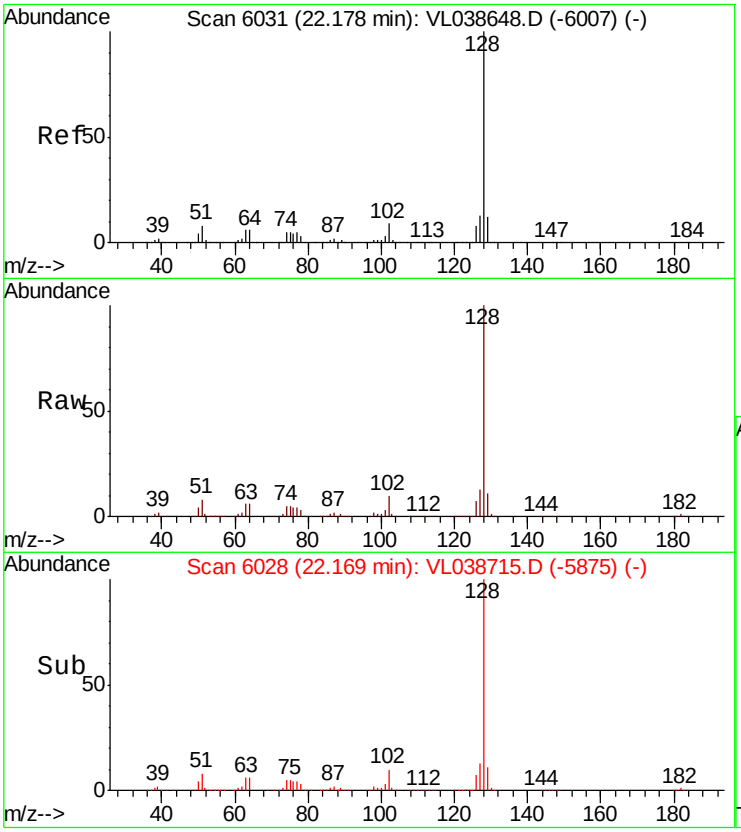


#78
Hexachloro-1,3-Butadiene
Concen: 7.584 ppbv
RT: 23.35 min Scan# 6396
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion:225 Resp: 1202880

Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.0	76.6
227	64.5	51.5	77.3



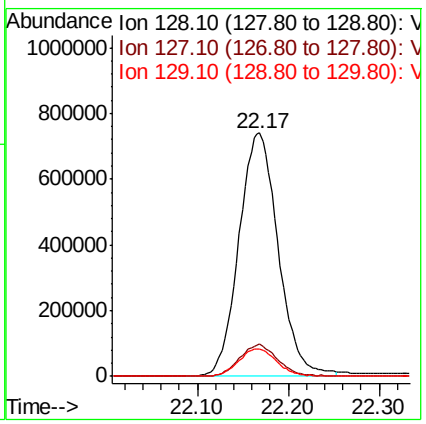


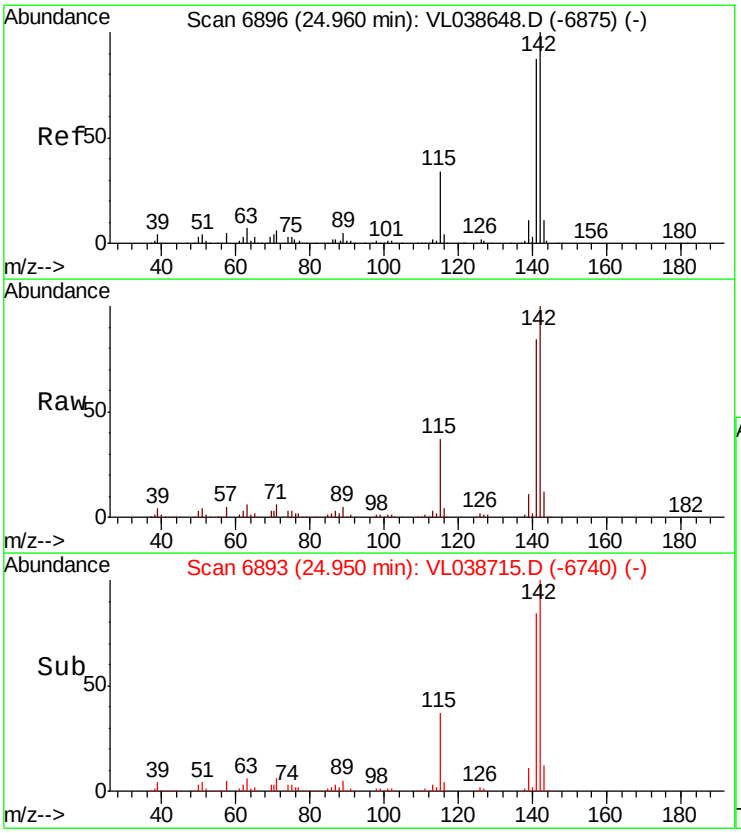
#79
Naphthalene
Concen: 10.674 ppbv
RT: 22.17
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2217844

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.0	9.2	13.8

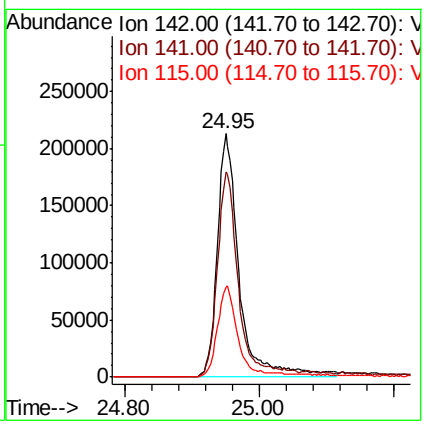


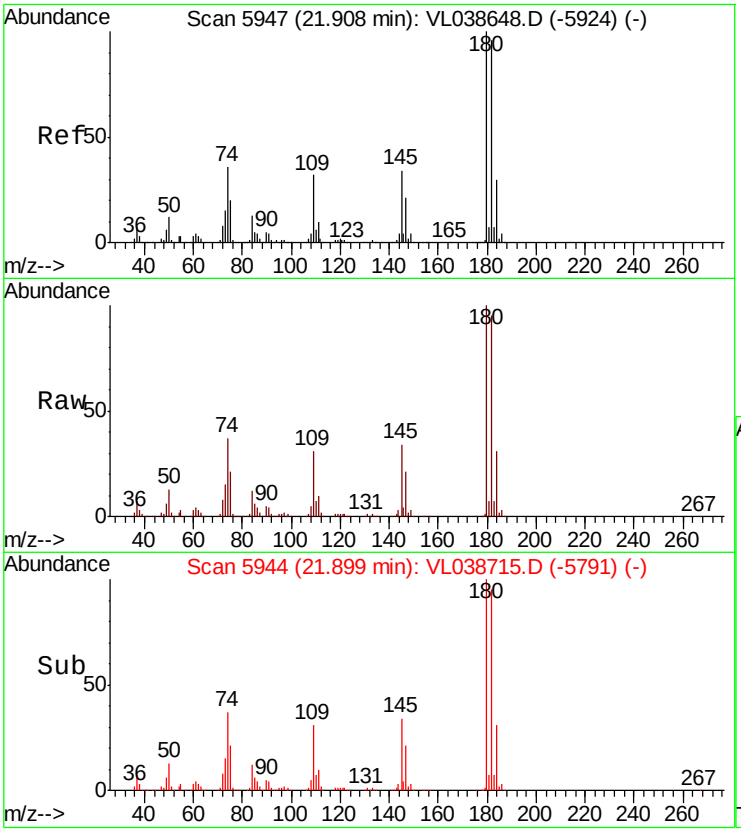


#80
Naphthalene,2-methyl-
Concen: 8.723 ppbv
RT: 24.95 min Scan# 6893
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion:142 Resp: 486002

Ion	Ratio	Lower	Upper
142	100		
141	83.6	66.4	99.6
115	35.5	27.8	41.6





#81
1,2,4-Trichlorobenzene
Concen: 8.917 ppbv
RT: 21.90
Delta R.T
Lab File:
Acq: 23 Mar 2022 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1268361

Ion	Ratio	Lower	Upper
180	100		
182	99.8	79.2	118.8
184	30.8	24.8	37.2