Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020322\
Data File : VL038327.D
Acq On : 3 Feb 2022 9:20
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Feb 04 08:39:05 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 24 14:12:48 2022
QLast Update : Mon Jan 24 14:12:48 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	907153	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2621148	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	3005269	10.00	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1917309	8.41	ppbv	-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 84.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	1814631	9.397	ppbv	99
3) Chlorodifluoromethane	2.98	51	1541820	8.538	ppbv	99
4) Chloromethane	3.13	50	540872	8.706	ppbv	100
5) Vinyl Chloride	3.25	62	534265	8.616	ppbv	98
6) Bromomethane	3.47	94	310334	9.257	ppbv	99
7) Chloroethane	3.55	64	195701	9.344	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	1316381	8.809	ppbv	95
9) Propene	3.01	41	533376	9.073	ppbv	99
10) Heptane	8.10	43	1357076	8.972	ppbv	99
11) Trichlorofluoromethane	3.94	101	1300630	8.645	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	945464	8.314	ppbv	93
13) Ethanol	3.60	45	65106	10.316	ppbv	93
14) Bromoethene	3.73	108	410345	9.234	ppbv	99
15) Acetone	3.84	43	668428	8.359	ppbv	100
16) 1,3-Butadiene	3.32	39	520541	9.071	ppbv	99
17) tert-Butyl alcohol	4.27	59	766285	8.731	ppbv	97
18) 1,1-Dichloroethene	4.28	96	436652	8.830	ppbv	98
19) Isopropyl Alcohol	3.95	45	429712	8.590	ppbv #	97
20) Methylene Chloride	4.33	84	355198	7.637	ppbv	98
21) Allyl Chloride	4.40	41	668843	9.453	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	466992	9.139	ppbv	98
23) Vinyl Acetate	5.06	43	1087803	9.356	ppbv	99
24) 1,1-Dichloroethane	5.00	63	898352	8.673	ppbv	100
25) Ethyl Acetate	5.66	43	2129514	9.511	ppbv	99
26) Hexane	5.67	57	986220	9.470	ppbv	98
27) Carbon Disulfide	4.54	76	1084714	8.903	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	998710	9.245	ppbv	99
29) Chloroform	5.74	83	1549333	9.114	ppbv	99
30) Cyclohexane	7.11	84	893774	9.857	ppbv	93
31) cis-1,2-Dichloroethene	5.53	61	995180	10.955	ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	1552841	9.146	ppbv	98
34) 2-Butanone	5.23	43	718072	8.377	ppbv	99
35) Carbon Tetrachloride	7.00	117	1607378	8.736	ppbv	98
36) Benzene	6.87	78	2149321	9.270	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1160917	8.742	ppbv	98
38) Trichloroethene	7.82	130	778139	9.010	ppbv	99
39) 1,2-Dichloropropane	7.59	63	826882	8.797	ppbv	98
40) 1,4-Dioxane	7.81	88	210477	9.303	ppbv #	1
41) Tetrahydrofuran	6.03	42	534555	9.277	ppbv	97
42) Bromodichloromethane	7.77	83	1724838	8.754	ppbv	99
43) Methyl Methacrylate	7.99	69	802540	9.786	ppbv	96

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020322\
Data File : VL038327.D
Acq On : 3 Feb 2022 9:20
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Feb 04 08:39:05 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 24 14:12:48 2022
QLast Update : Mon Jan 24 14:12:48 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3497313	8.559	ppbv		99
45) t-1,3-Dichloropropene	9.25	75	718230	10.779	ppbv		97
46) cis-1,3-Dichloropropene	8.68	75	901418	10.140	ppbv		98
47) 1,1,2-Trichloroethane	9.45	97	861193	9.324	ppbv		97
48) Dibromochloromethane	10.28	129	1471983	9.466	ppbv		99
49) Bromoform	13.01	173	1135367	10.128	ppbv		100
50) 4-Methyl-2-Pentanone	8.72	43	1379688	9.023	ppbv		99
51) 2-Hexanone	10.11	43	640555	9.511	ppbv		95
52) Tetrachloroethene	11.19	164	733923	9.185	ppbv		97
53) Toluene	9.78	91	2469806	9.624	ppbv		98
54) 1,2-Dibromoethane	10.59	107	1289243	9.818	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.10	131	953657	7.250	ppbv		96
57) Chlorobenzene	12.12	112	1805578	7.508	ppbv		97
58) Ethyl Benzene	12.68	91	3263833	7.390	ppbv		98
59) m/p-Xylene	12.97	91	2783735	7.387	ppbv	#	34
60) o-Xylene	13.67	91	2527624	7.212	ppbv		99
61) Styrene	13.50	104	1384724	8.466	ppbv		97
62) Isopropylbenzene	14.64	105	3442226	7.367	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.65	83	1784120	6.880	ppbv		100
64) n-propylbenzene	15.53	120	892857	7.944	ppbv		92
65) tert-Butylbenzene	16.72	119	2933224	7.622	ppbv		97
66) Benzyl Chloride	16.96	91	171134	9.790	ppbv		96
67) sec-Butylbenzene	17.27	105	4065203	7.594	ppbv		99
69) p-Isopropyltoluene	17.63	119	3285301	8.019	ppbv		99
70) n-Butylbenzene	18.52	91	3236750	8.067	ppbv		99
71) 2-Chlorotoluene	15.43	91	2645478	7.645	ppbv		100
72) 4-Ethyltoluene	15.81	105	2958545	8.072	ppbv		99
73) 1,3,5-Trimethylbenzene	15.97	105	2611875	7.925	ppbv		99
74) 1,2,4-Trimethylbenzene	16.73	105	2668777	7.686	ppbv		95
75) 1,3-Dichlorobenzene	16.97	146	1493175	8.013	ppbv		99
76) 1,4-Dichlorobenzene	17.11	146	1463454	8.112	ppbv		98
77) 1,2-Dichlorobenzene	17.79	146	1401149	8.096	ppbv		99
78) Hexachloro-1,3-Butadiene	23.35	225	731389	6.078	ppbv		99
79) Naphthalene	22.16	128	1312728	8.086	ppbv		97
80) Naphthalene,2-methyl-	24.95	142	267466	15.149	ppbv		98
81) 1,2,4-Trichlorobenzene	21.90	180	716695	7.506	ppbv		99

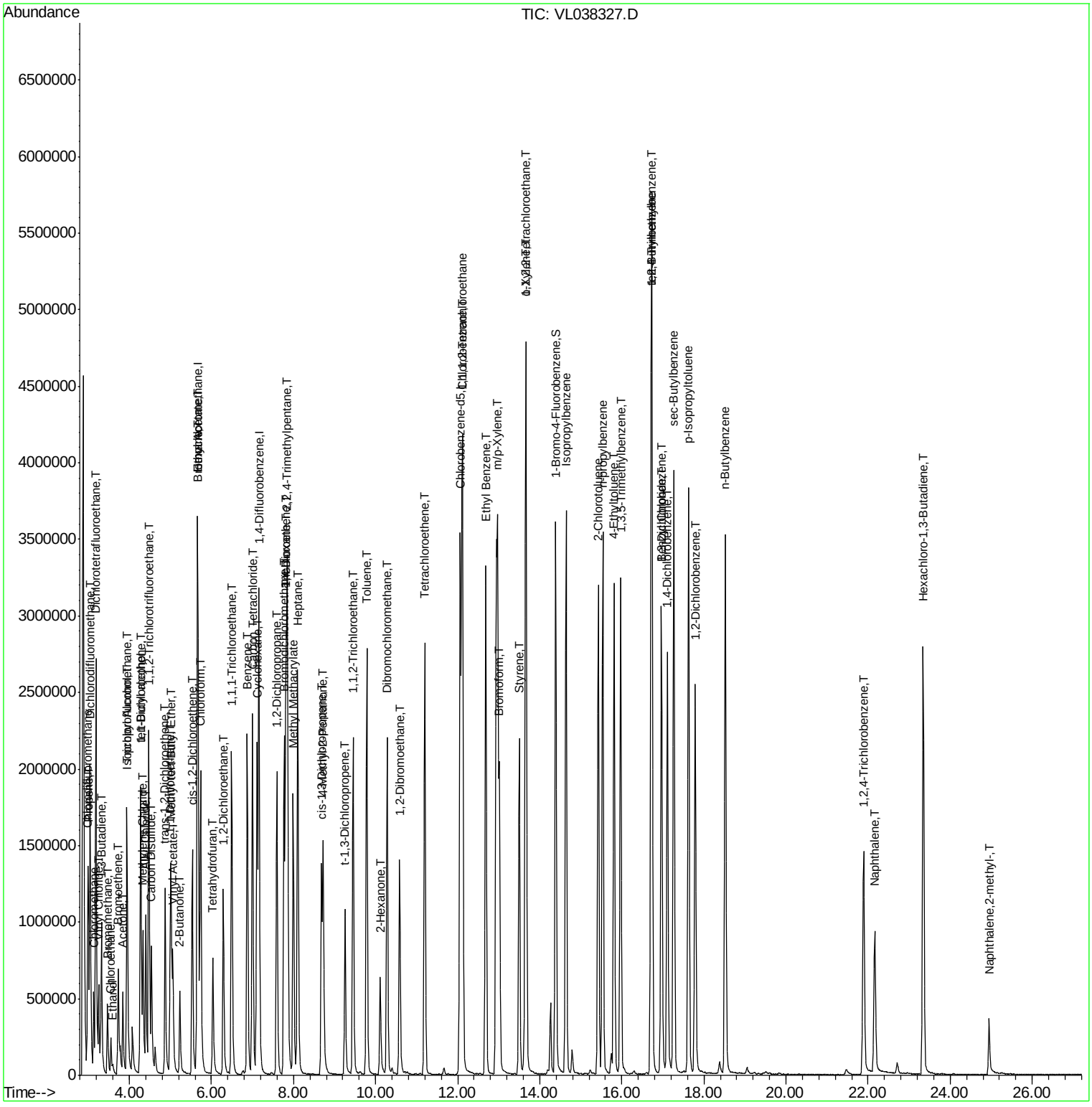
(#) = qualifier out of range (m) = manual integration (+) = signals summed

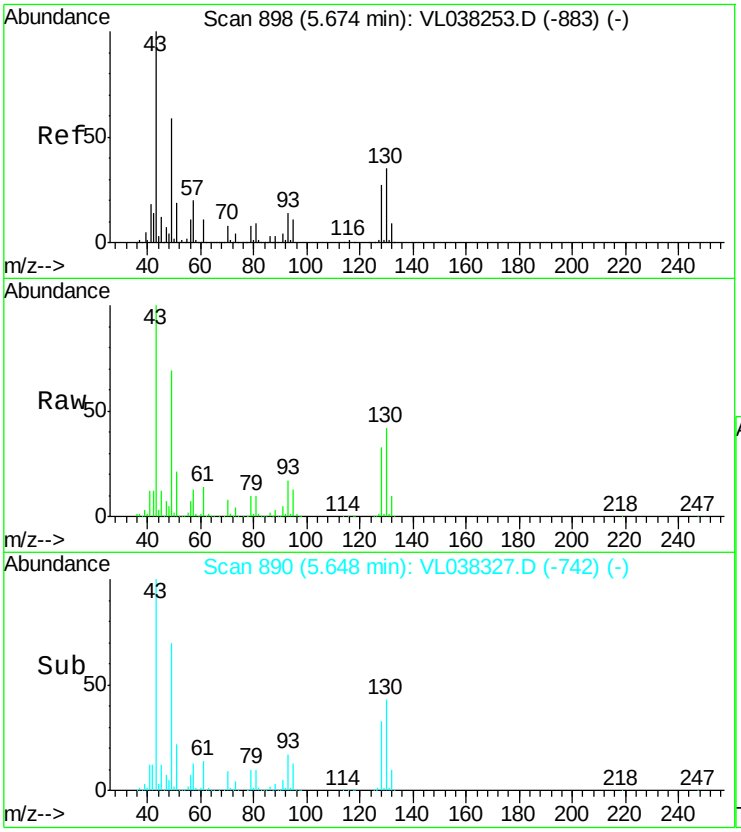
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020322\
Data File : VL038327.D
Acq On : 3 Feb 2022 9:20
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Feb 04 08:39:05 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 24 14:12:48 2022
QLast Update : Mon Jan 24 14:12:48 2022
Response via : Initial Calibration



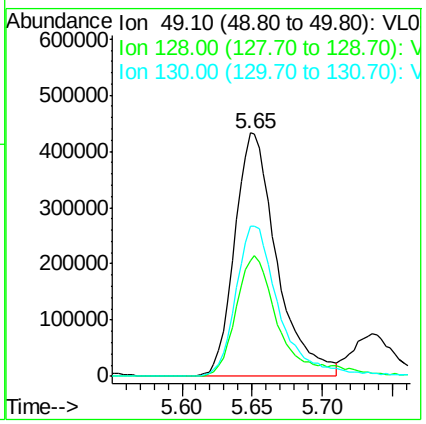


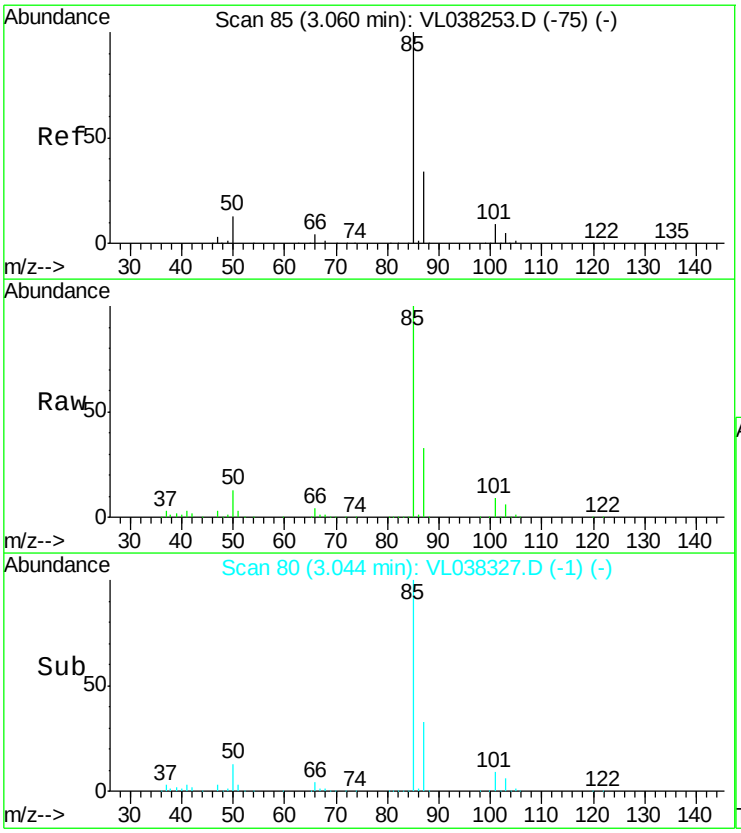
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 907153

Ion	Ratio	Lower	Upper
49	100		
128	52.1	24.5	73.5
130	64.5	30.1	90.5

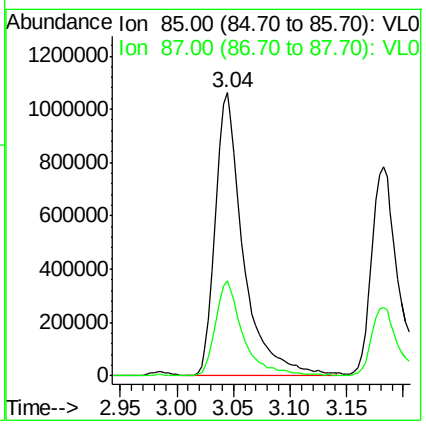


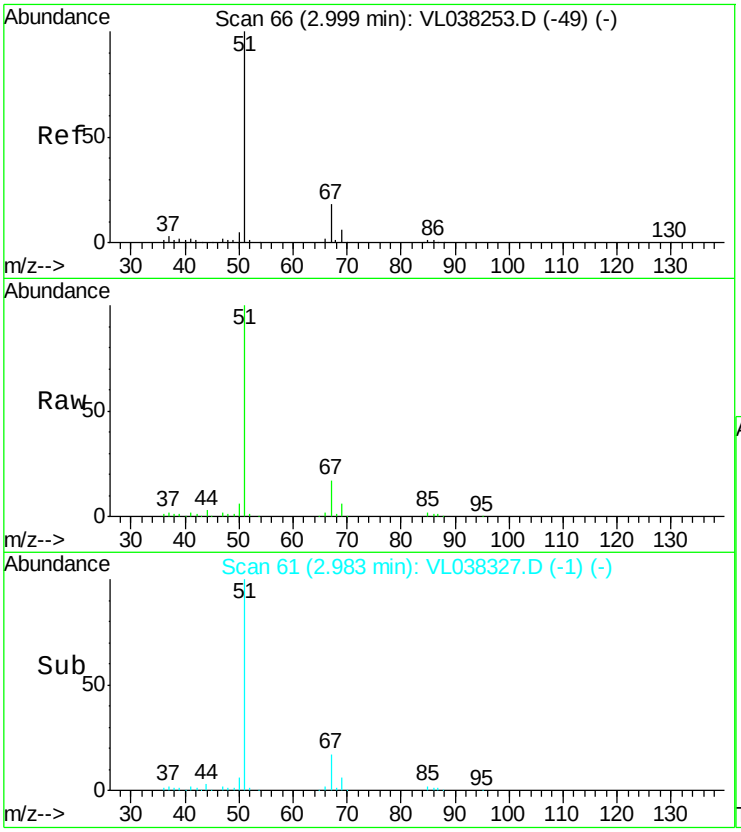


#2
Dichlorodifluoromethane
Concen: 9.397 ppbv
RT: 3.04 min Scan# 80
Delta R.T. -0.02 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 85 Resp: 1814631

Ion	Ratio	Lower	Upper
85	100		
87	33.4	27.0	40.6



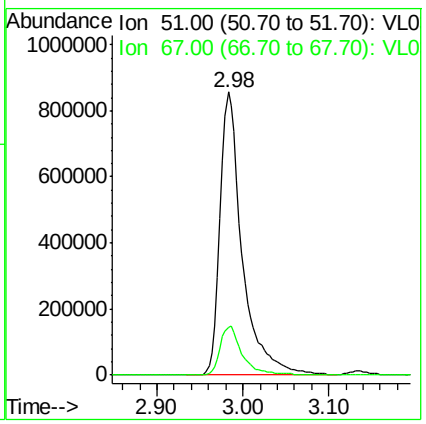


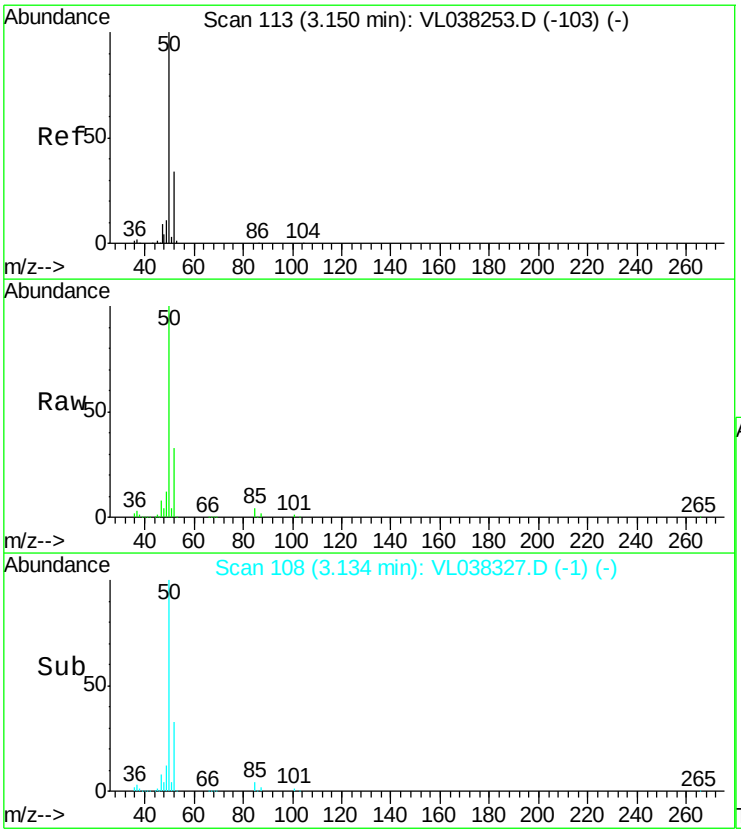
#3
Chlorodifluoromethane
Concen: 8.538 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1541820

Ion	Ratio	Lower	Upper
51	100		
67	17.6	14.4	21.6

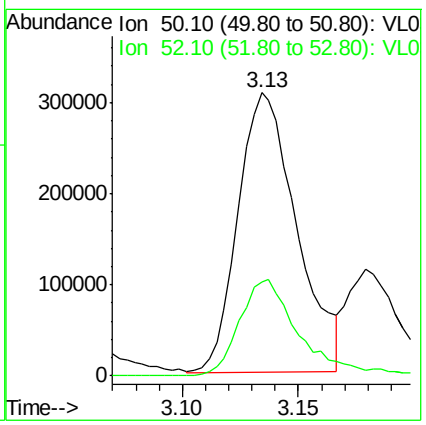


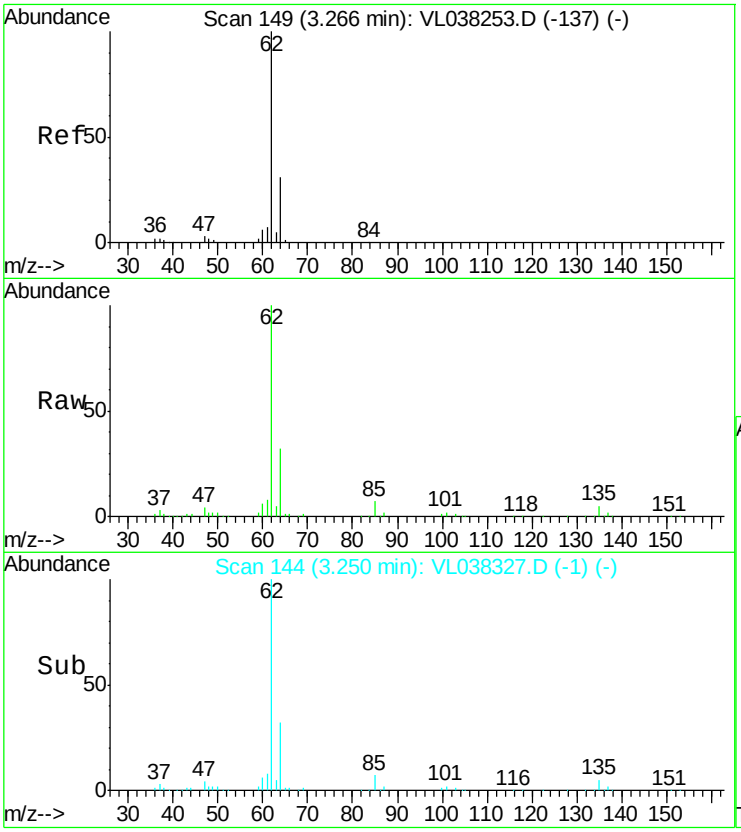


#4
Chloromethane
Concen: 8.706 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.02 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 50 Resp: 540872

Ion	Ratio	Lower	Upper
50	100		
52	33.8	27.1	40.7



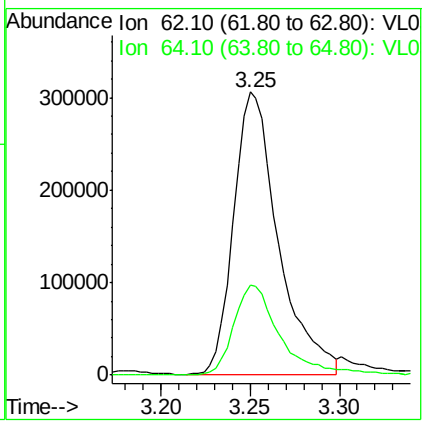


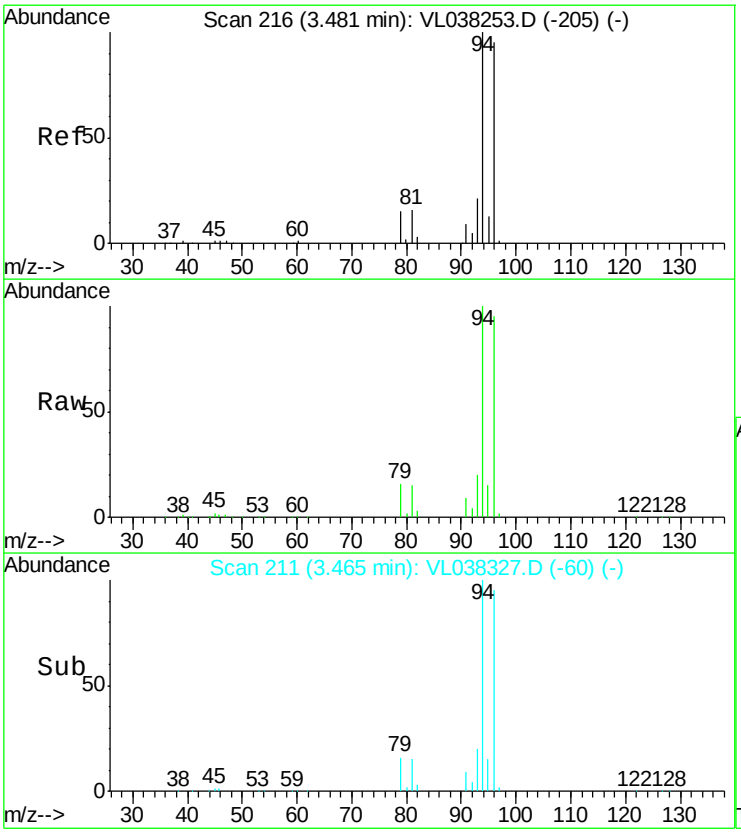
#5
Vinyl Chloride
Concen: 8.616 ppbv
RT: 3.25
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 534265

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.4	36.6

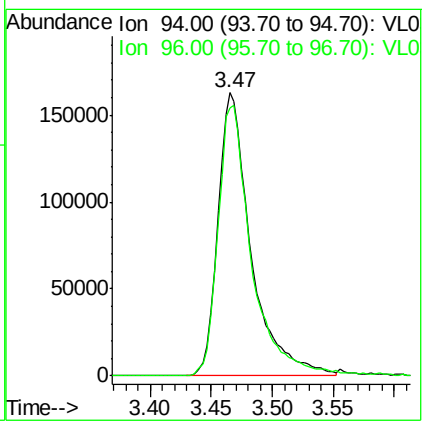


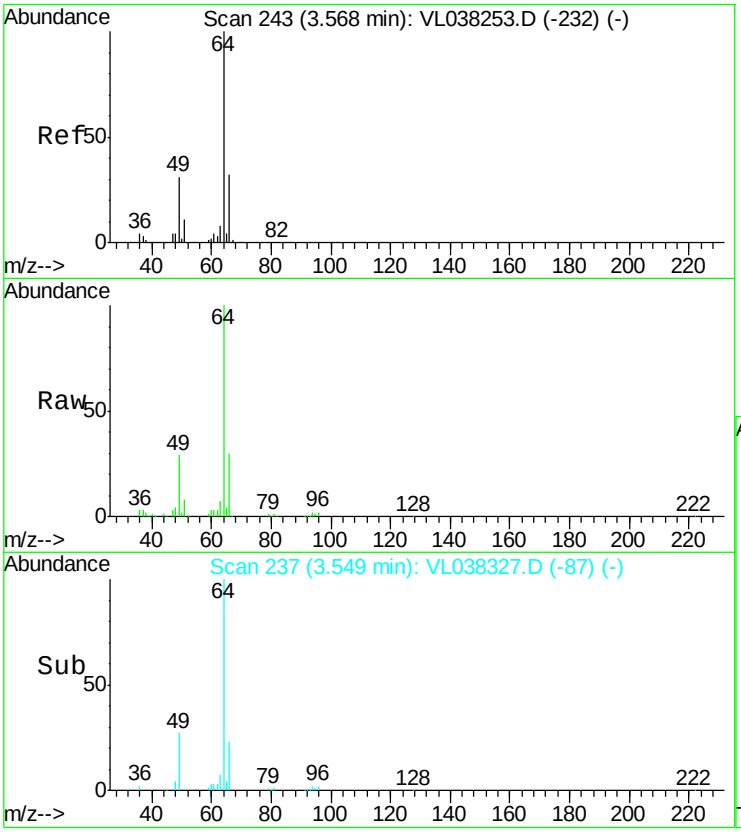


#6
Bromomethane
Concen: 9.257 ppbv
RT: 3.47 min Scan# 211
Delta R.T. -0.02 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 94 Resp: 310334

Ion	Ratio	Lower	Upper
94	100		
96	94.5	76.0	114.0



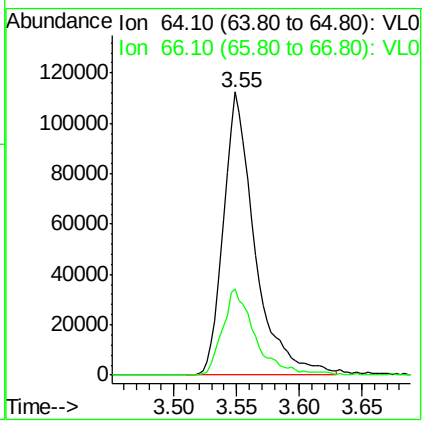


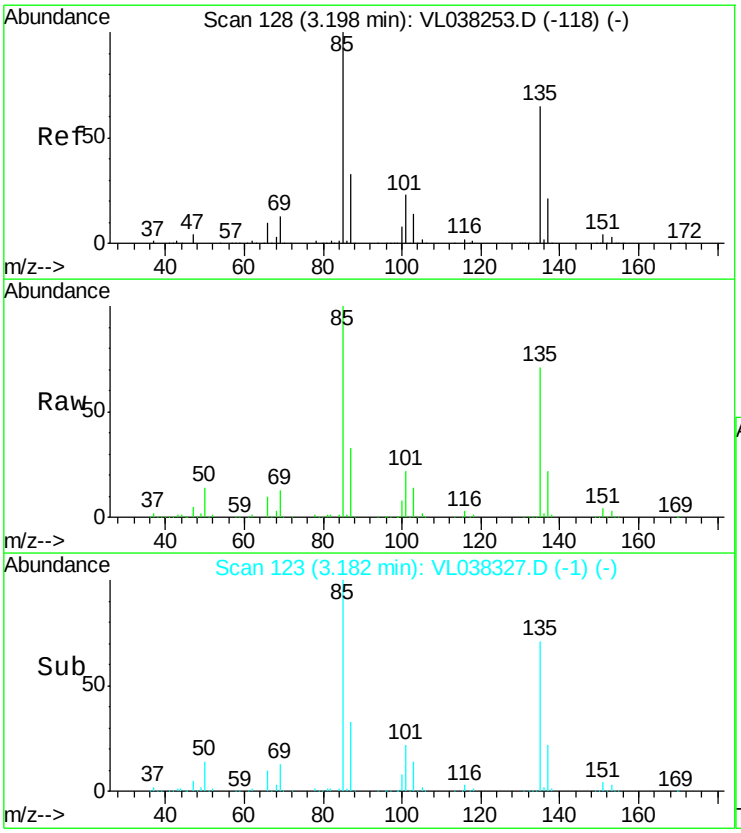
#7
Chloroethane
Concen: 9.344 ppbv
RT: 3.55
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 195701

Ion	Ratio	Lower	Upper
64	100		
66	30.4	25.8	38.6

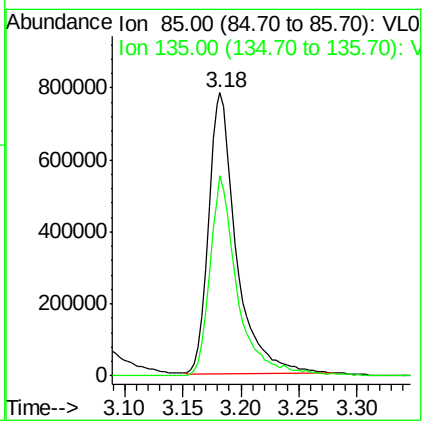


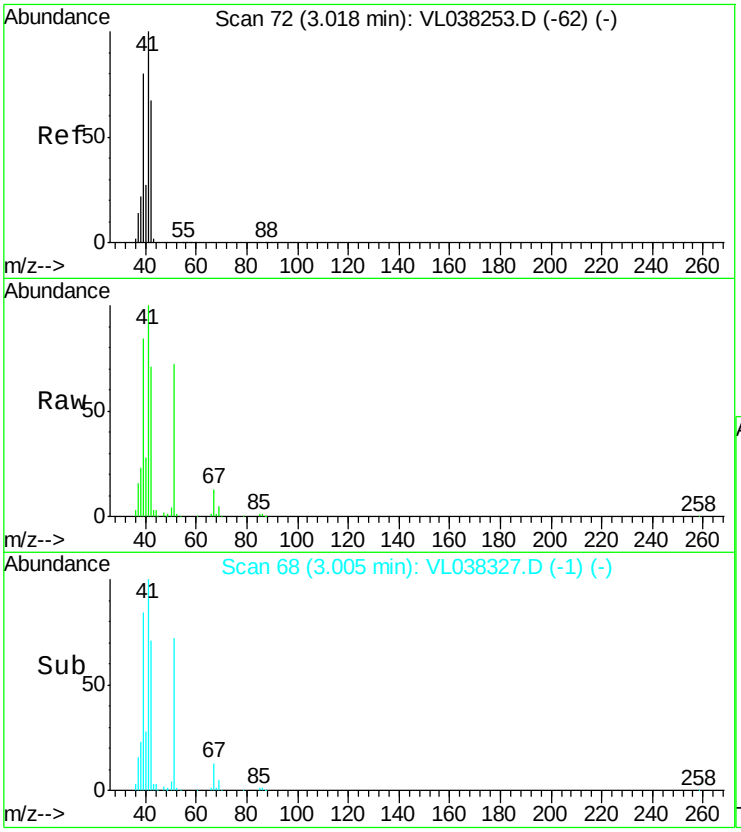


#8
Dichlorotetrafluoroethane
Concen: 8.809 ppbv
RT: 3.18 min Scan# 123
Delta R.T. -0.02 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 85 Resp: 1316381

Ion	Ratio	Lower	Upper
85	100		
135	70.8	53.7	80.5



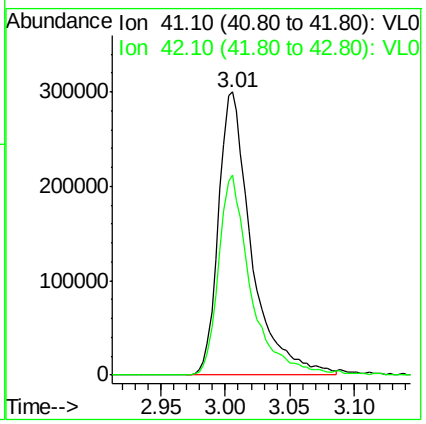


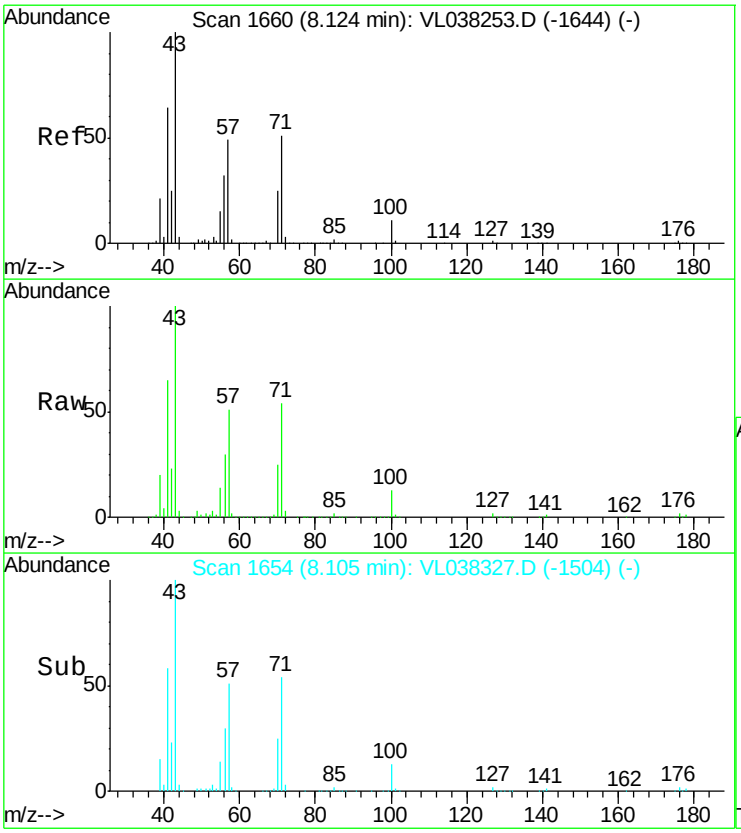
#9
Propene
Concen: 9.073 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 533376

Ion	Ratio	Lower	Upper
41	100		
42	69.7	54.9	82.3

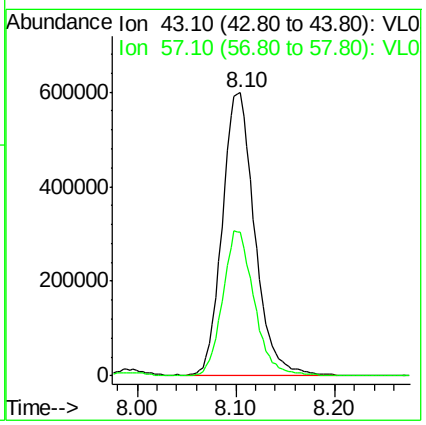


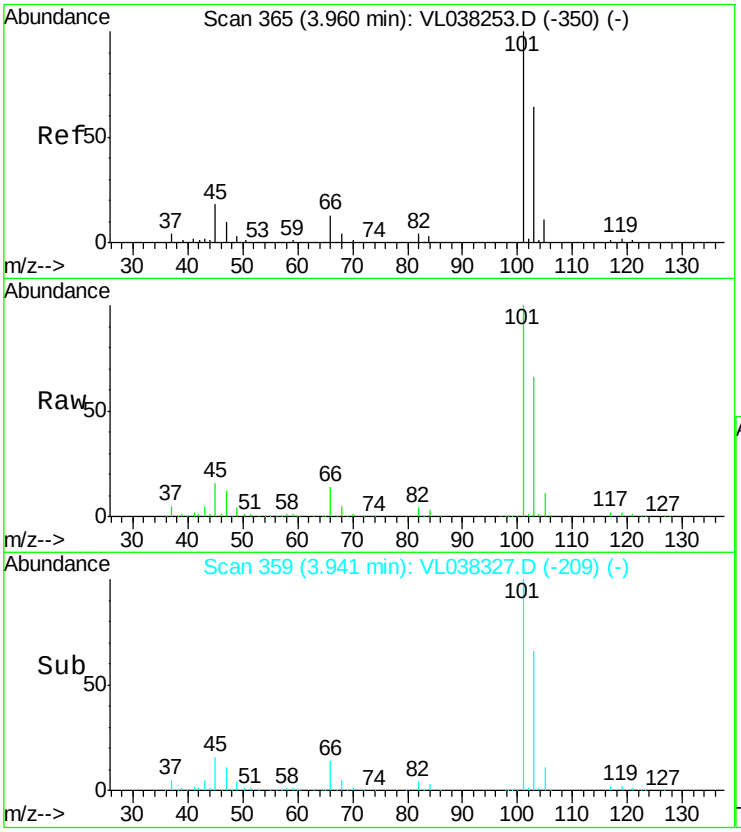


#10
Heptane
Concen: 8.972 ppbv
RT: 8.10 min Scan# 1654
Delta R.T. -0.02 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 43 Resp: 1357076

Ion	Ratio	Lower	Upper
43	100		
57	50.1	39.5	59.3



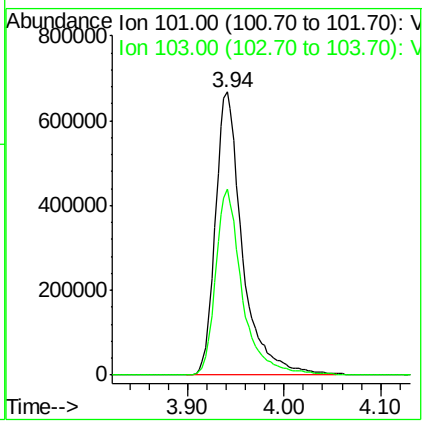


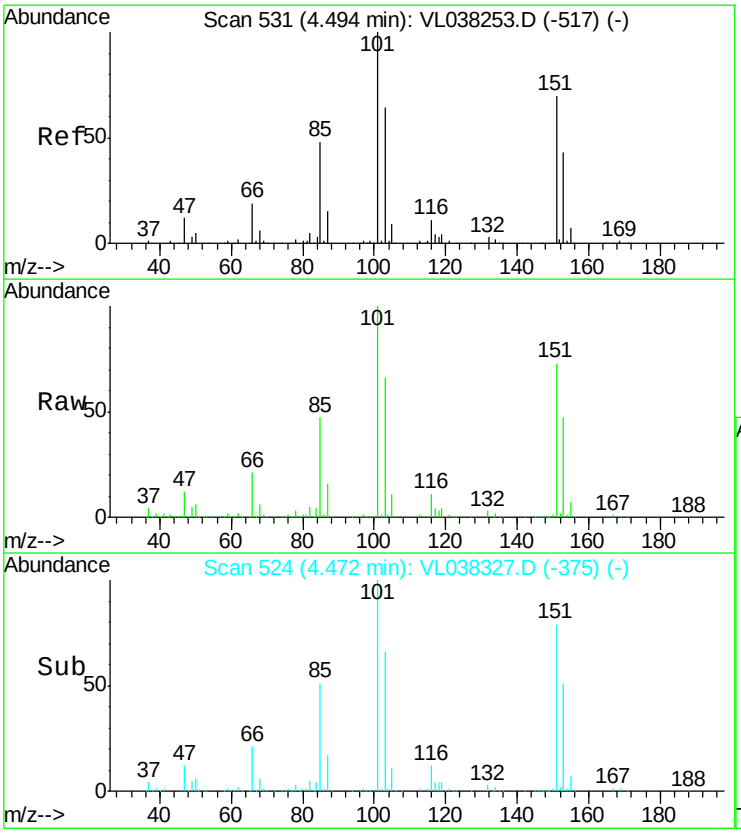
#11
Trichlorofluoromethane
Concen: 8.645 ppbv
RT: 3.94
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1300630

Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.2	76.8

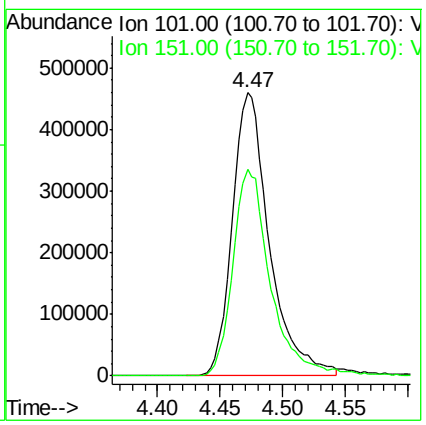


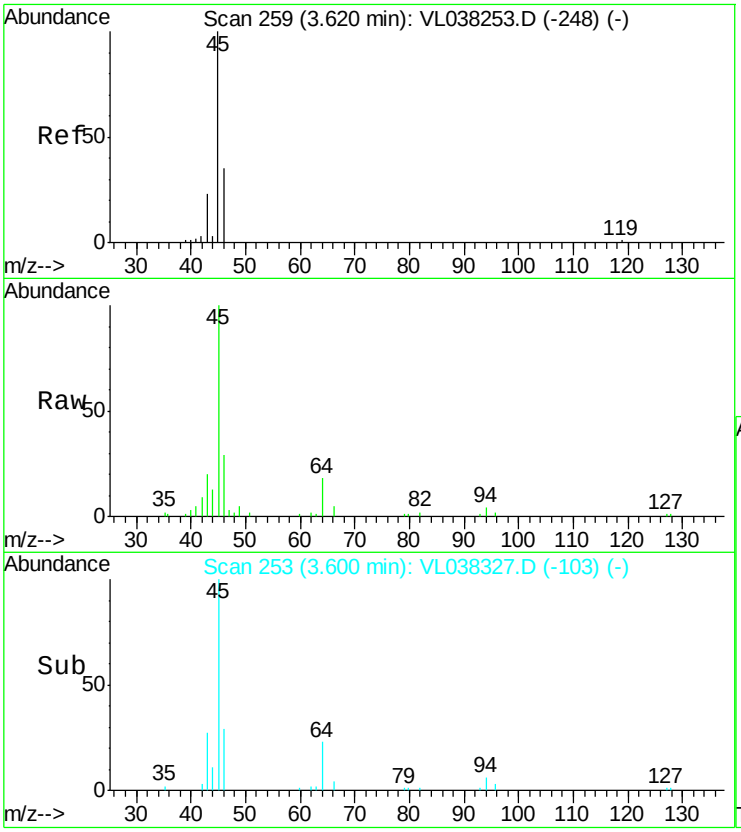


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.314 ppbv
RT: 4.47 min Scan# 524
Delta R.T. -0.02 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion:101 Resp: 945464

Ion	Ratio	Lower	Upper
101	100		
151	74.5	55.3	82.9



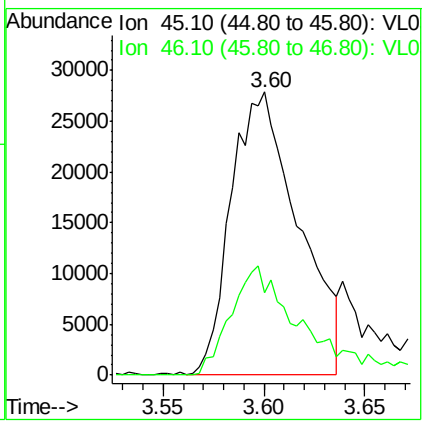


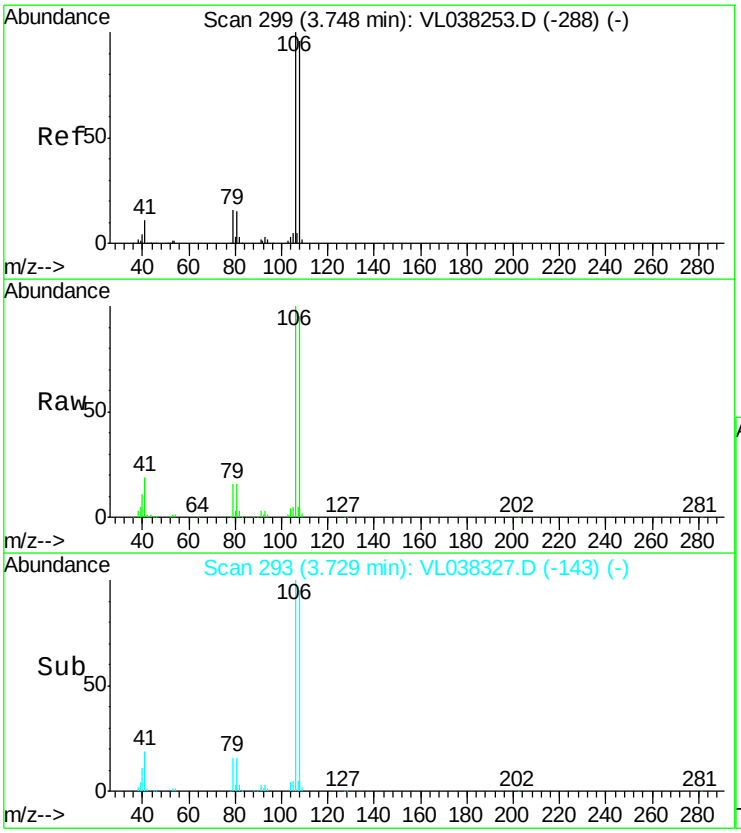
#13
Ethanol
Concen: 10.316 ppbv
RT: 3.60
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 65106

Ion	Ratio	Lower	Upper
45	100		
46	43.0	15.4	61.6

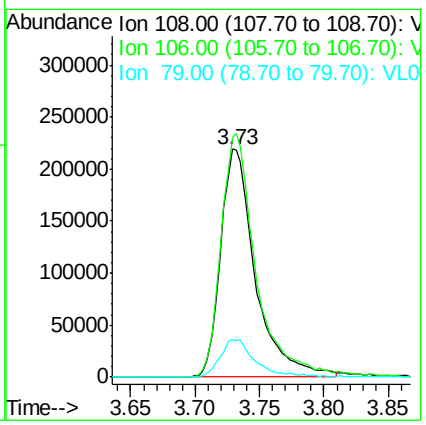


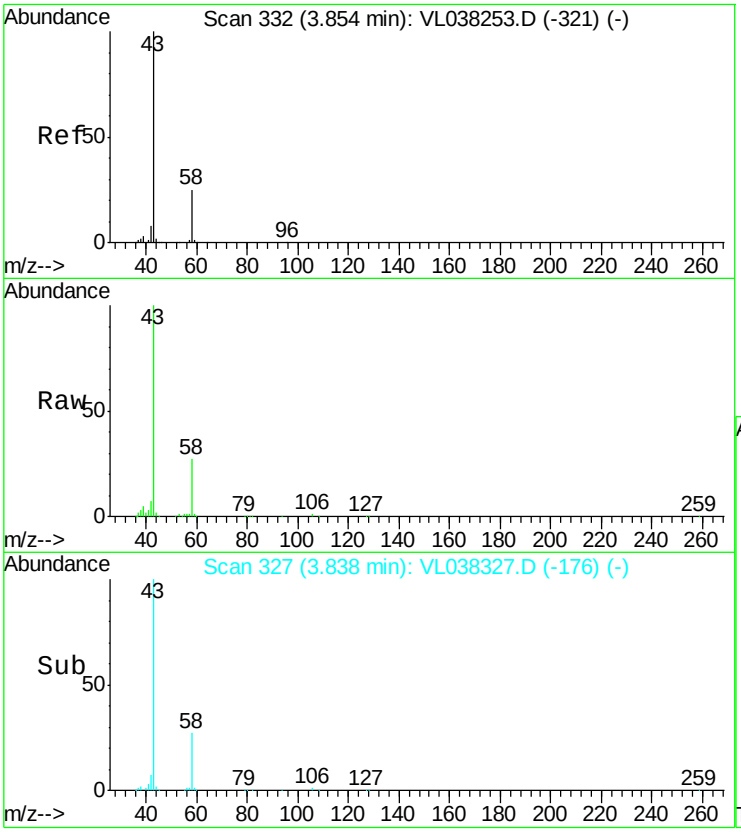


#14
Bromoethene
Concen: 9.234 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.02 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion:108 Resp: 410345

Ion	Ratio	Lower	Upper
108	100		
106	109.0	86.4	129.6
79	17.6	14.1	21.1



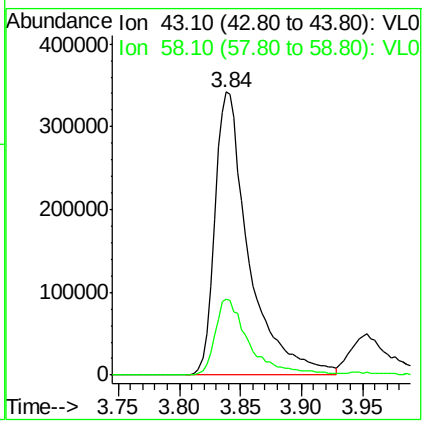


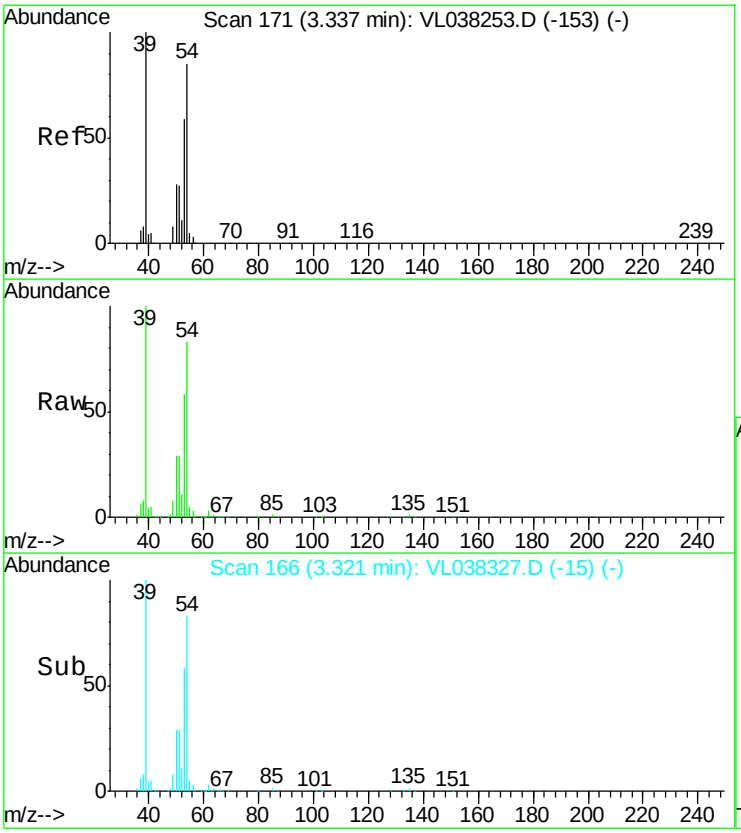
#15
Acetone
Concen: 8.359 ppbv
RT: 3.84
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 668428

Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.5	32.3

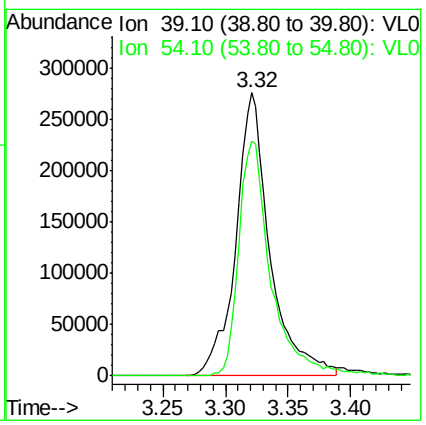


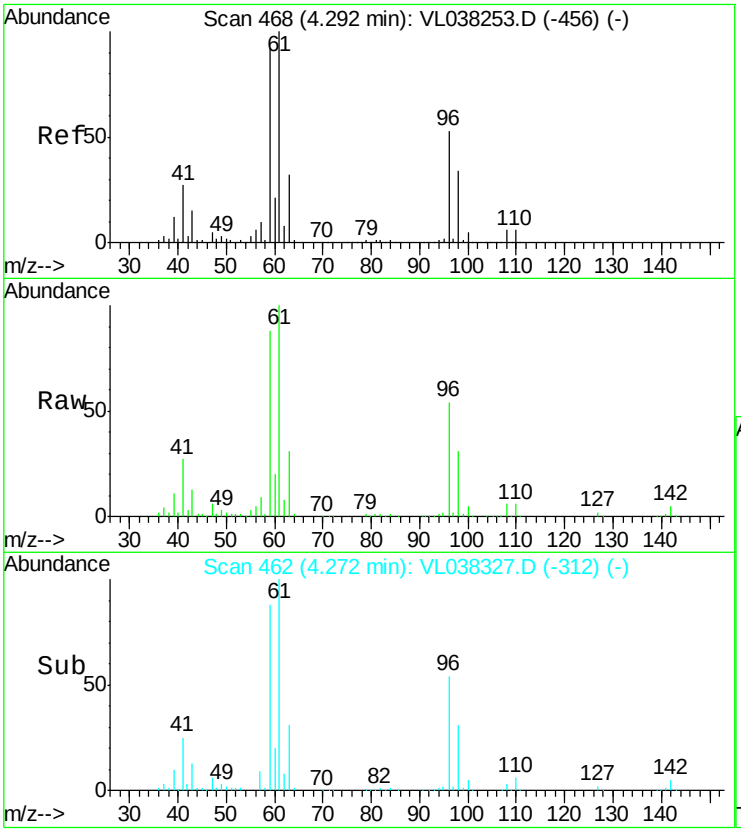


#16
1,3-Butadiene
Concen: 9.071 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.02 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 39 Resp: 520541

Ion	Ratio	Lower	Upper
39	100		
54	78.8	62.6	94.0



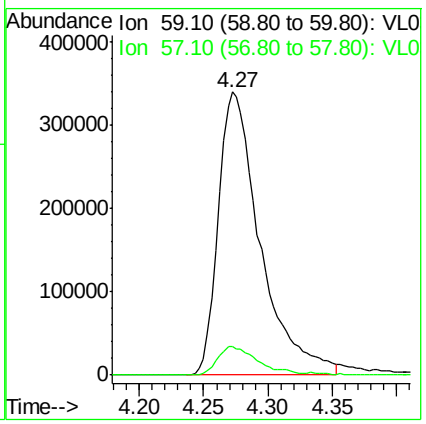


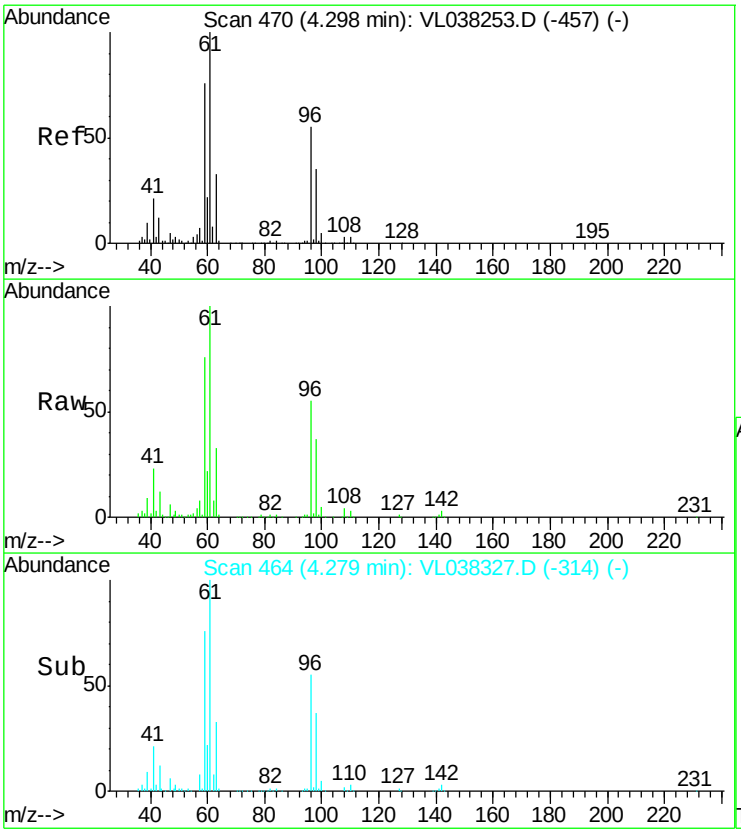
#17
tert-Butyl alcohol
Concen: 8.731 ppbv
RT: 4.27
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 766285

Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.2	13.8

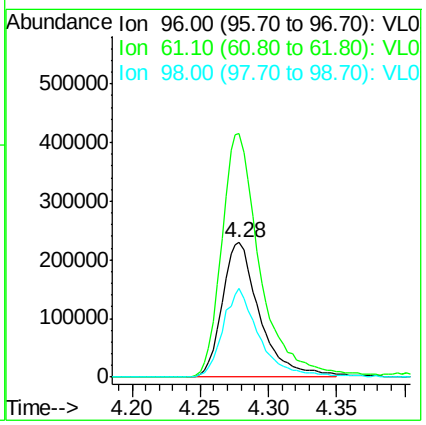


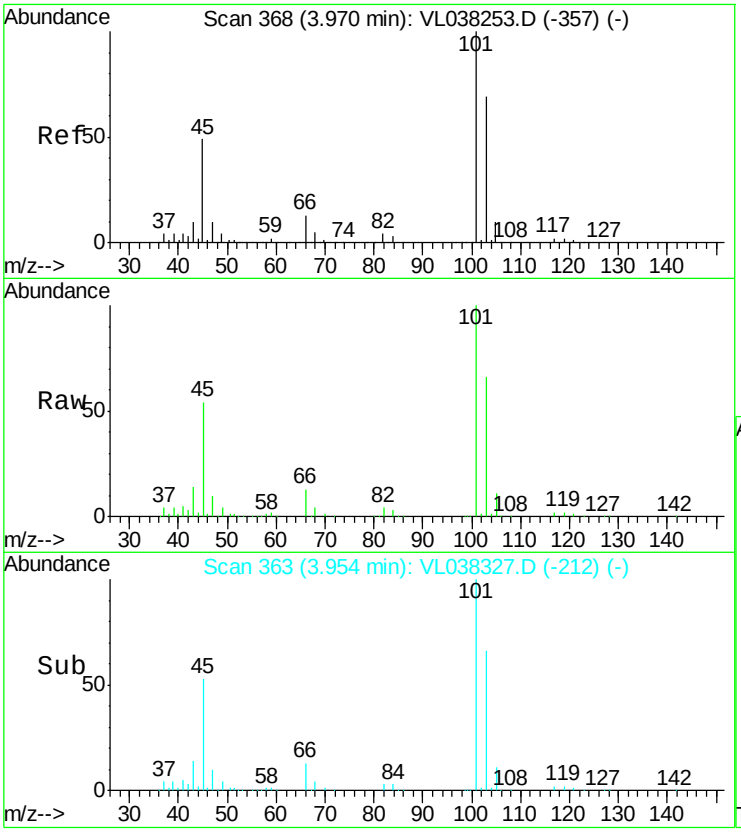


#18
1,1-Dichloroethene
Concen: 8.830 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 96 Resp: 436652

Ion	Ratio	Lower	Upper
96	100		
61	180.7	146.5	219.7
98	66.3	51.9	77.9



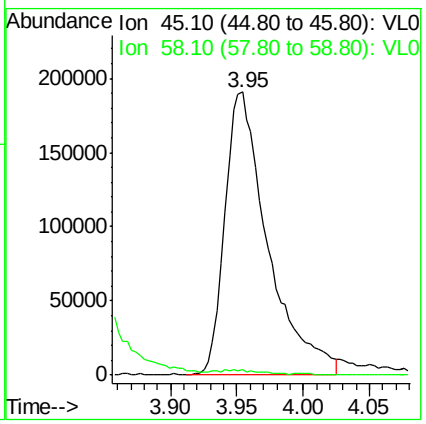


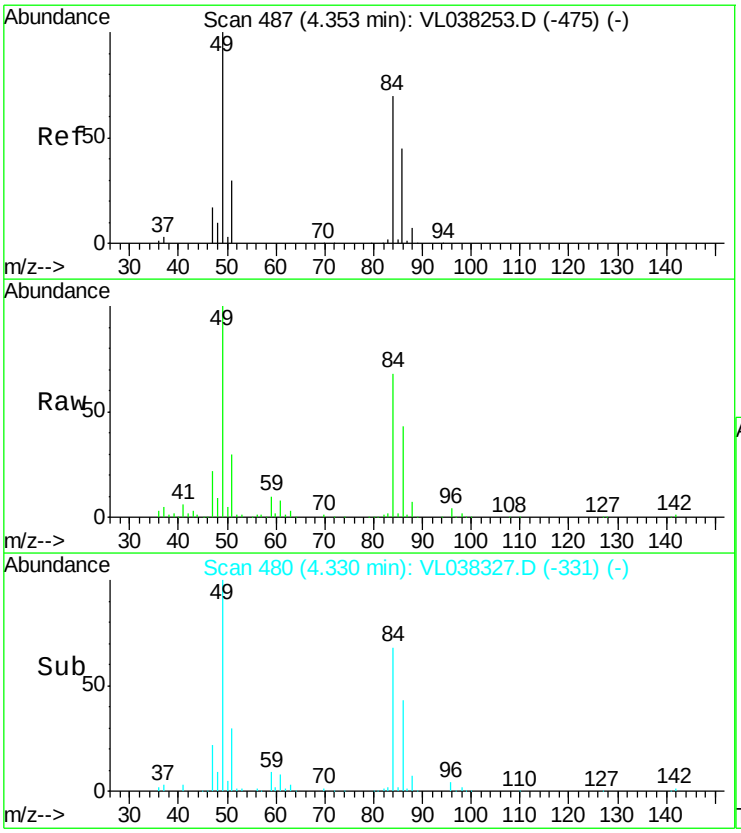
#19
Isopropyl Alcohol
Concen: 8.590 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 429712

Ion	Ratio	Lower	Upper
45	100		
58	1.9	2.3	3.5#

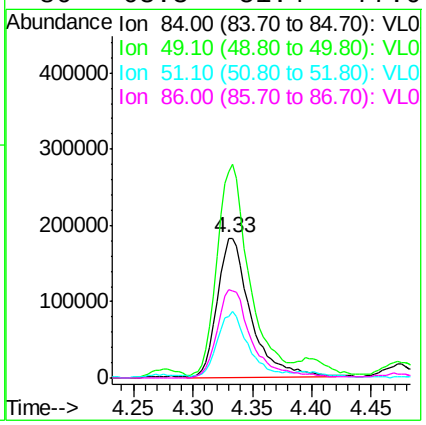


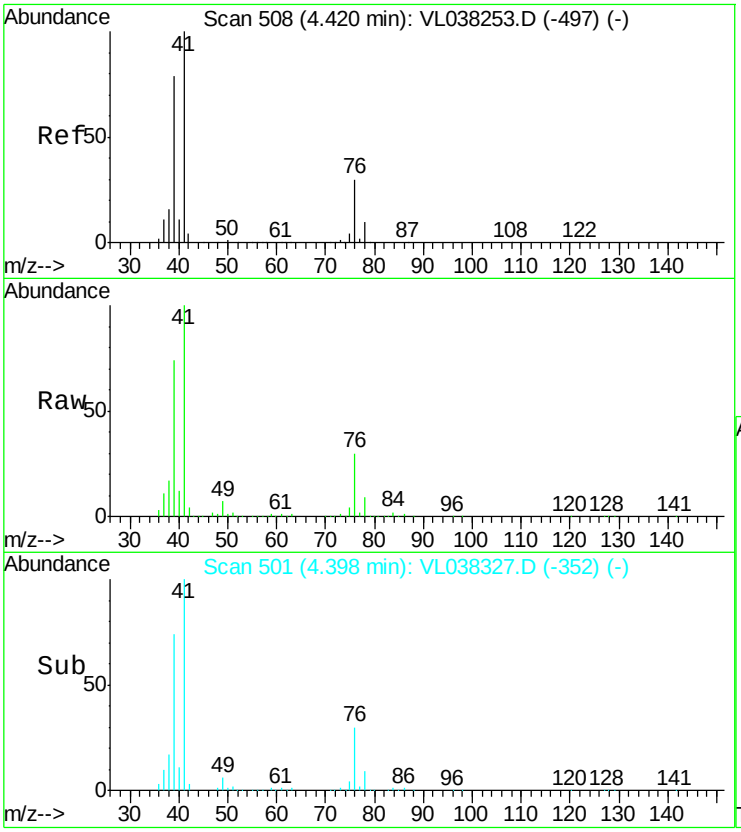


#20
Methylene Chloride
Concen: 7.637 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.02 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 84 Resp: 355198

Ion	Ratio	Lower	Upper
84	100		
49	146.2	115.0	172.6
51	42.7	35.0	52.6
86	63.3	51.4	77.0



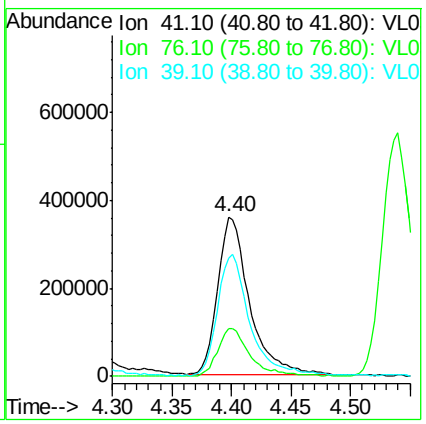


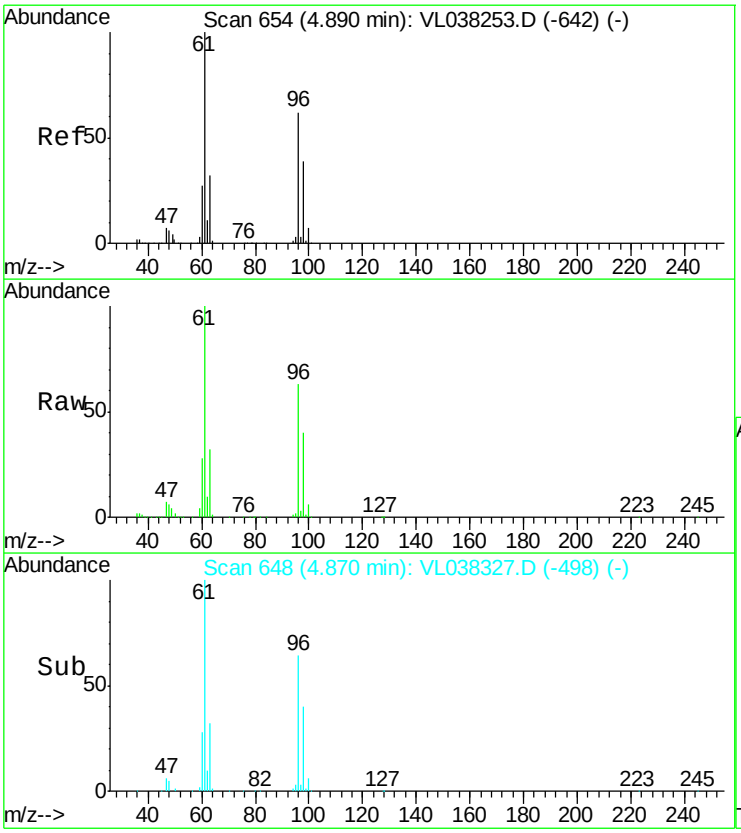
#21
Allyl Chloride
Concen: 9.453 ppbv
RT: 4.40
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 668843

Ion	Ratio	Lower	Upper
41	100		
76	31.0	25.0	37.6
39	77.9	63.0	94.6

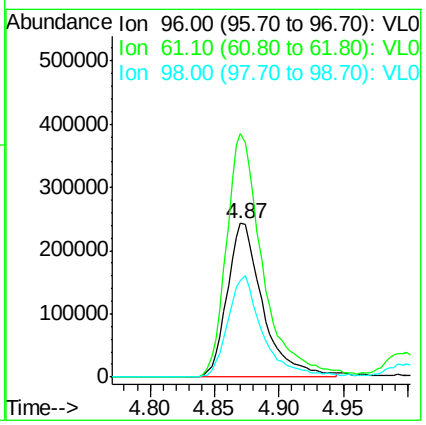


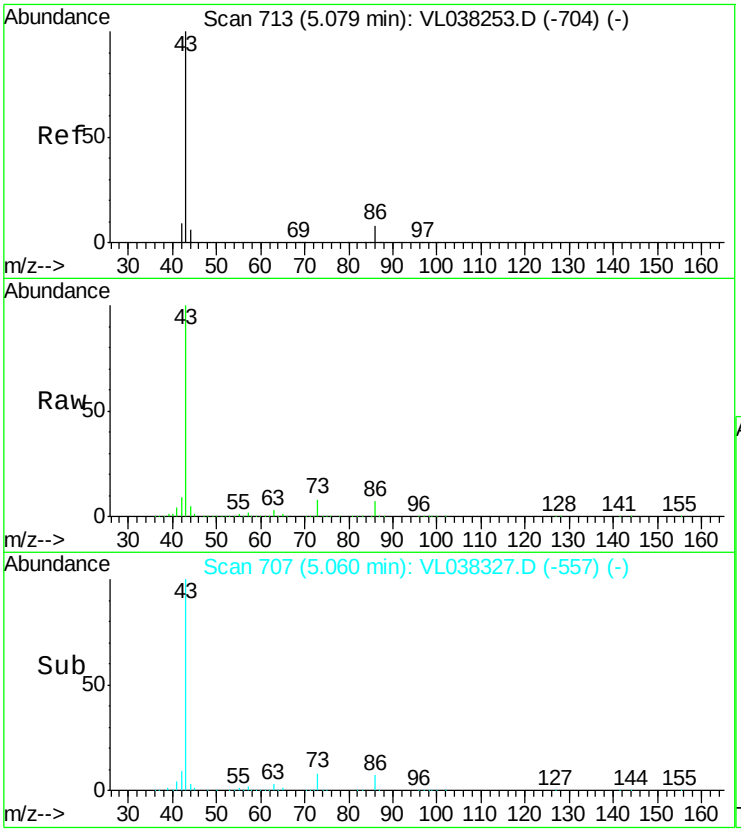


#22
trans-1,2-Dichloroethene
Concen: 9.139 ppbv
RT: 4.87 min Scan# 648
Delta R.T. -0.02 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 96 Resp: 466992

Ion	Ratio	Lower	Upper
96	100		
61	158.3	128.8	193.2
98	62.9	49.8	74.8



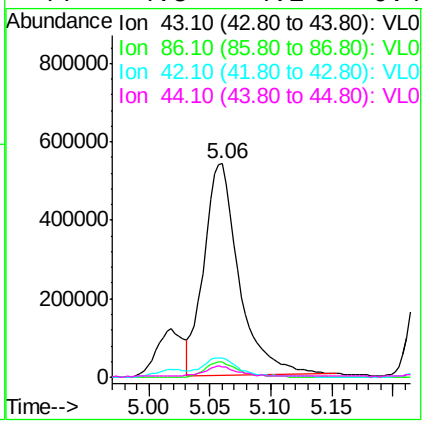


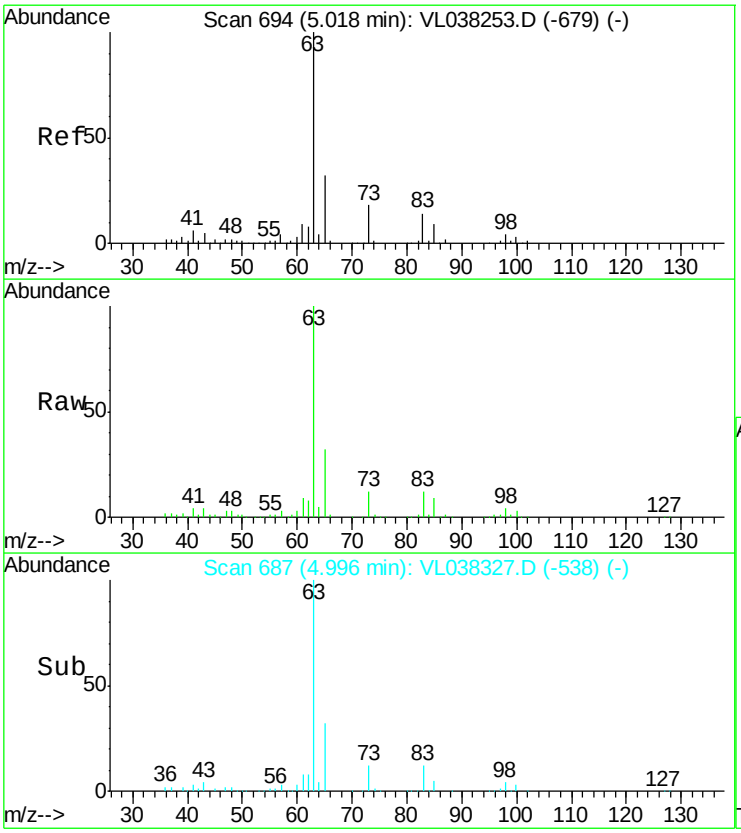
#23
Vinyl Acetate
Concen: 9.356 ppbv
RT: 5.06
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1087803

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.7	8.5
42	9.1	7.7	11.5
44	4.5	4.2	6.4

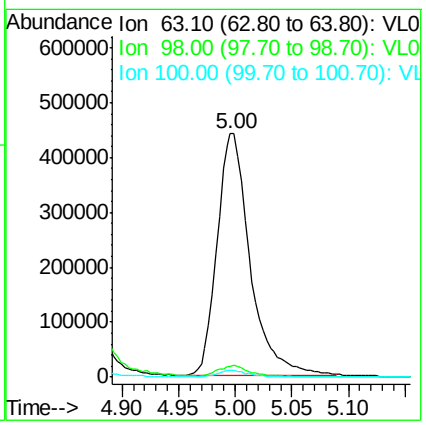


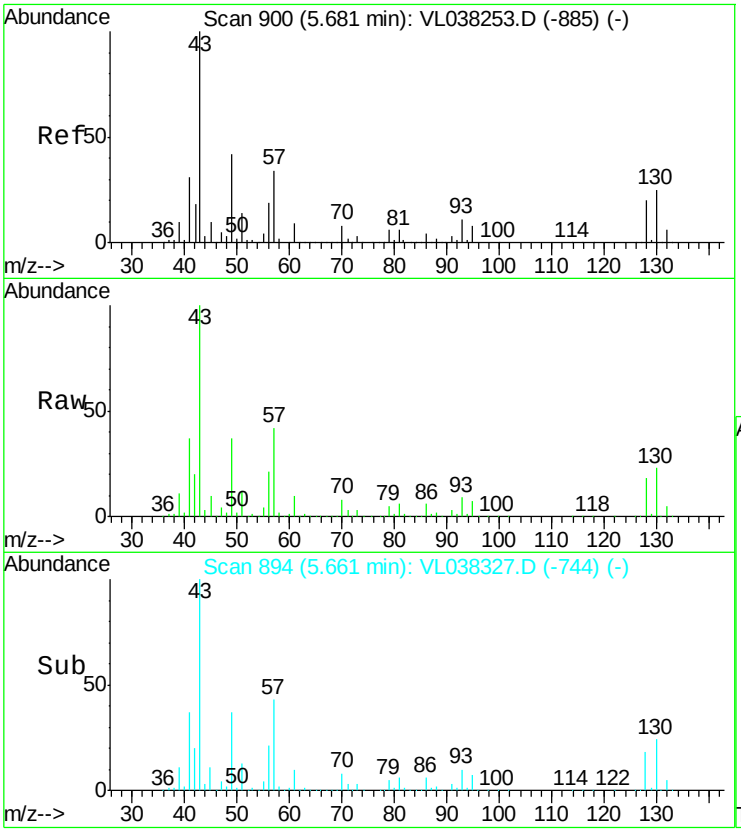


#24
1,1-Dichloroethane
Concen: 8.673 ppbv
RT: 5.00 min Scan# 687
Delta R.T. -0.02 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 63 Resp: 898352

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.3	6.8
100	2.5	1.3	3.9



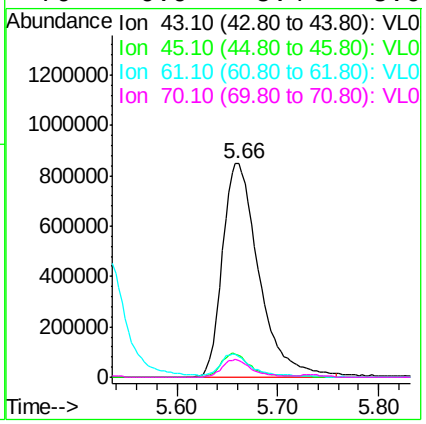


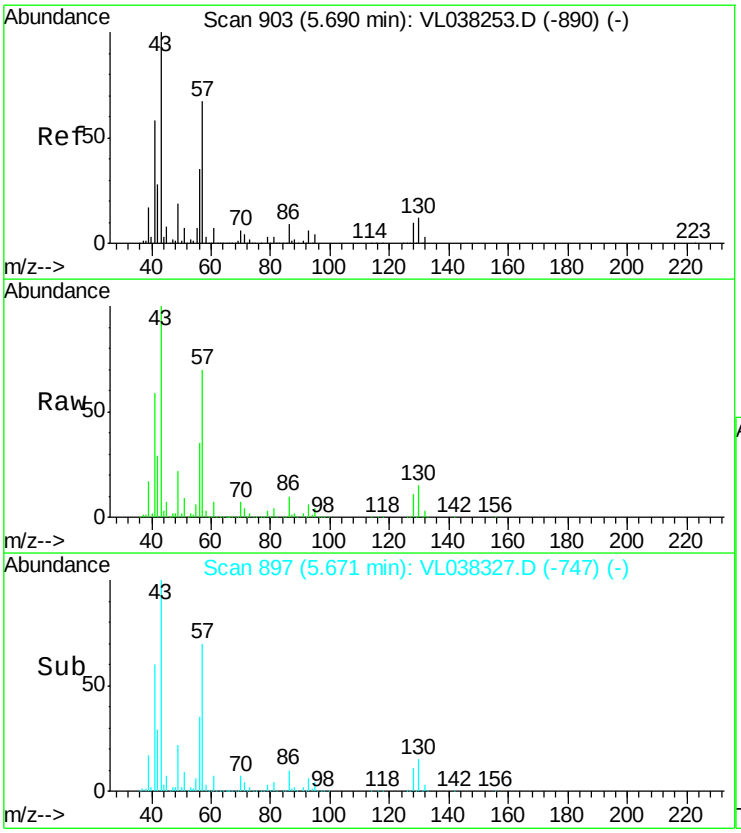
#25
Ethyl Acetate
Concen: 9.511 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2129514

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	10.0	7.8	11.8
70	6.9	5.4	8.0

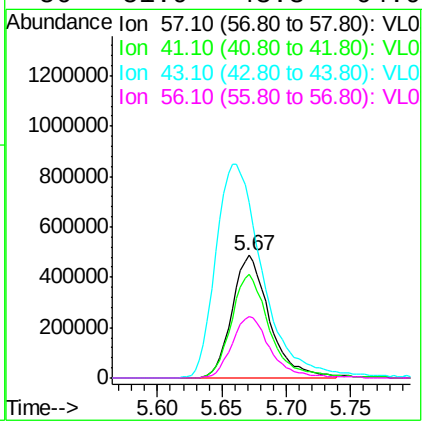


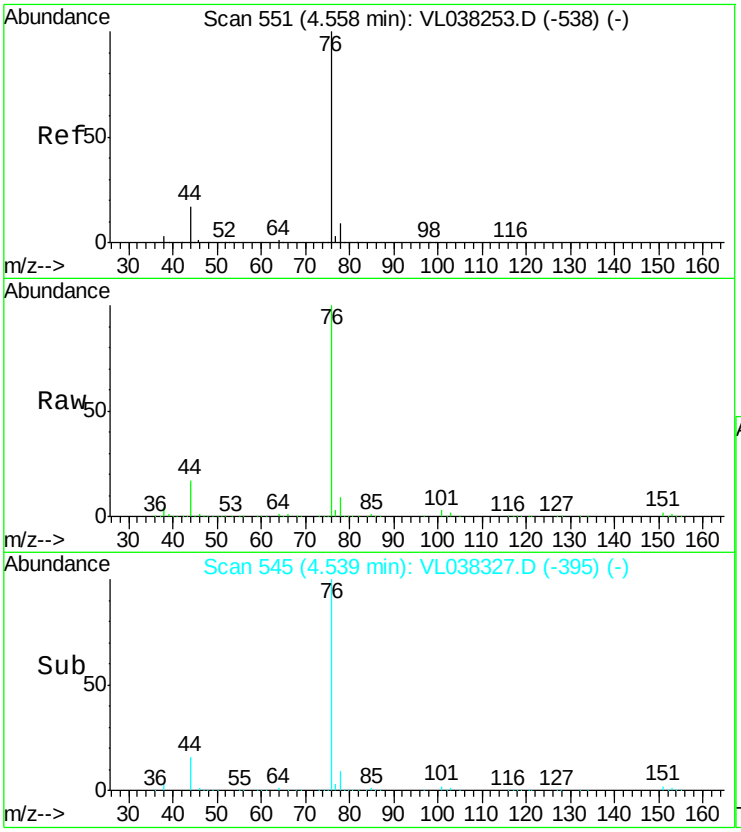


#26
Hexane
Concen: 9.470 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 57 Resp: 986220

Ion	Ratio	Lower	Upper
57	100		
41	87.4	72.8	109.2
43	218.6	177.0	265.6
56	51.9	43.3	64.9



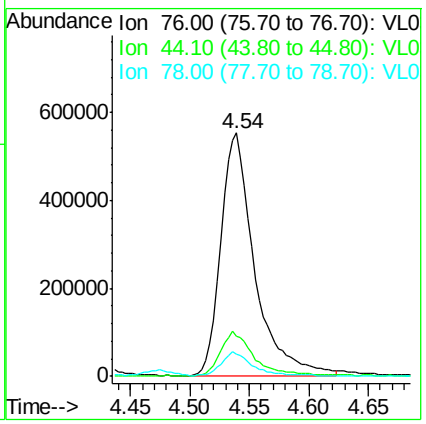


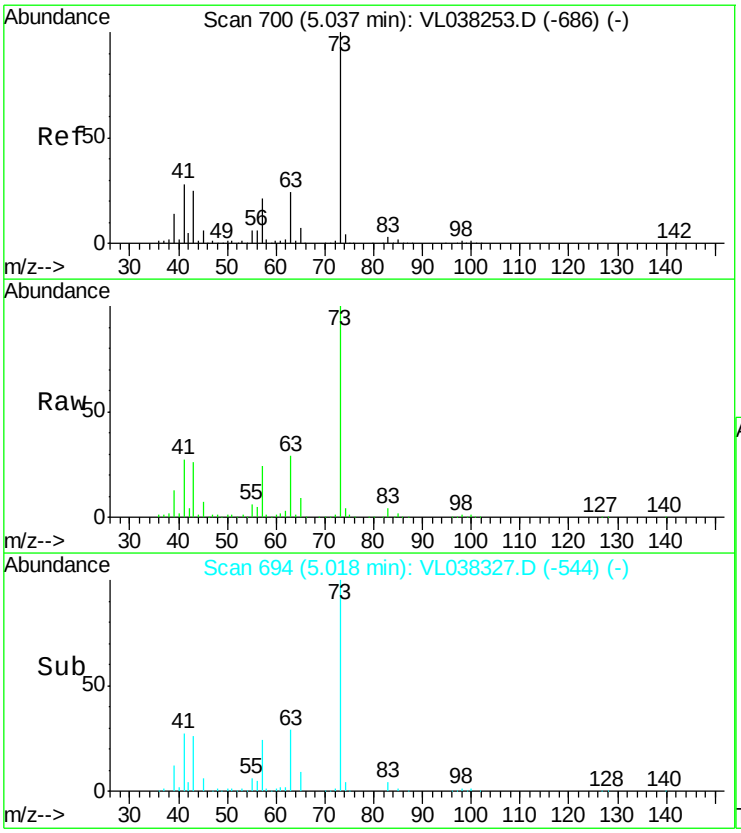
#27
Carbon Disulfide
Concen: 8.903 ppbv
RT: 4.54
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1084714

Ion	Ratio	Lower	Upper
76	100		
44	18.2	14.8	22.2
78	9.9	7.9	11.9

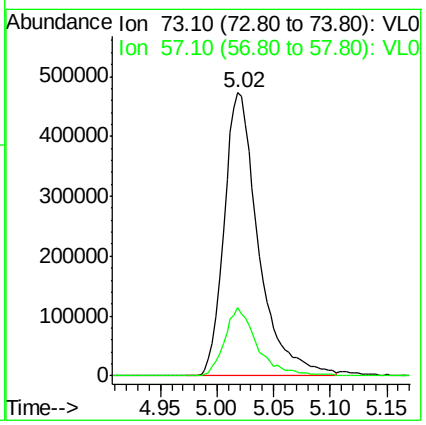


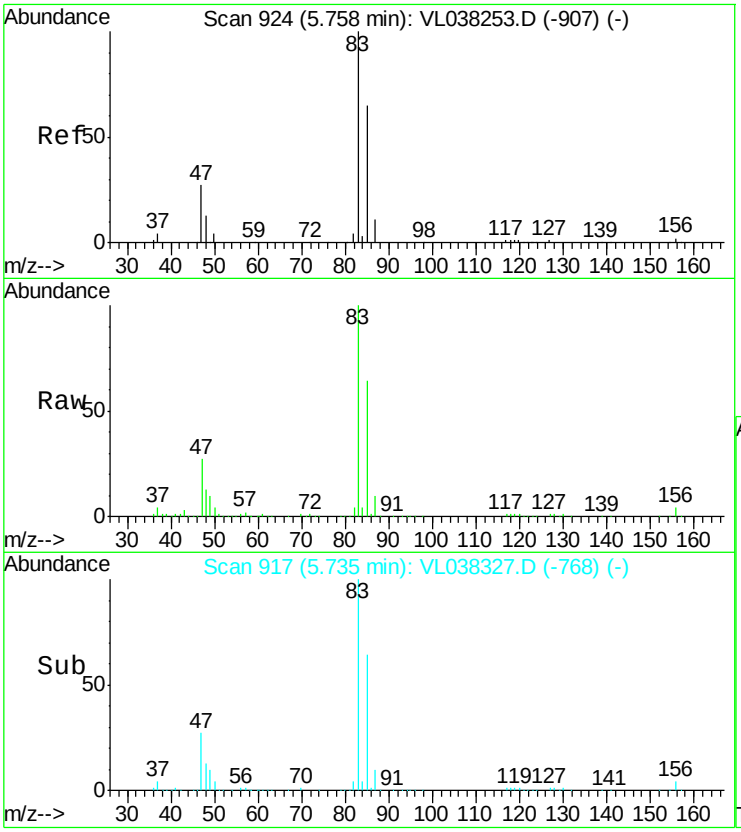


#28
Methyl tert-Butyl Ether
Concen: 9.245 ppbv
RT: 5.02 min Scan# 694
Delta R.T. -0.02 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 73 Resp: 998710

Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.2	27.4



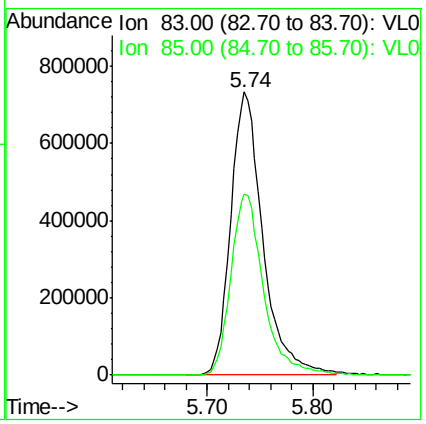


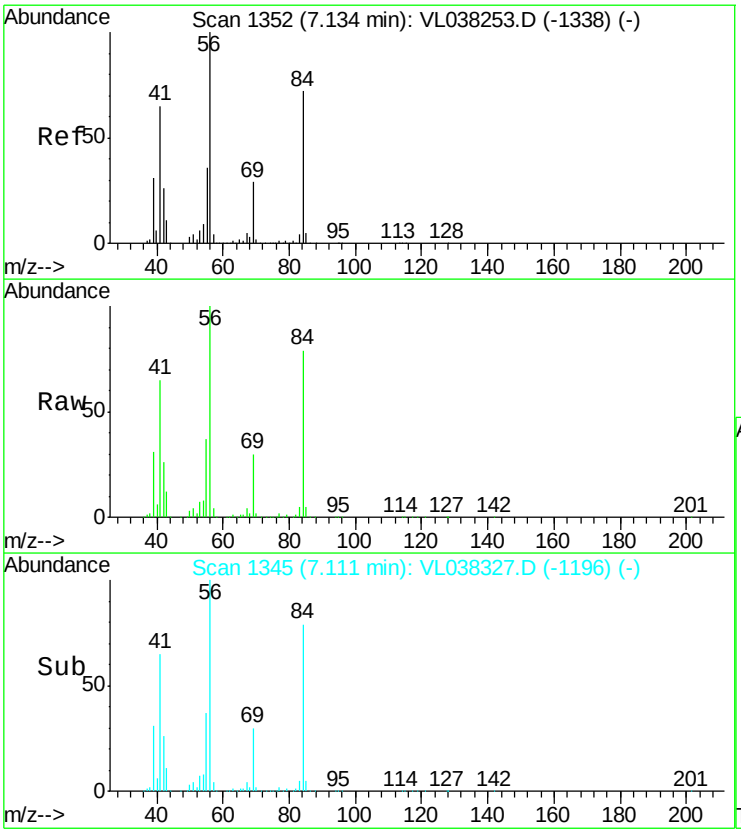
#29
Chloroform
Concen: 9.114 ppbv
RT: 5.74
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1549333

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.9	77.9

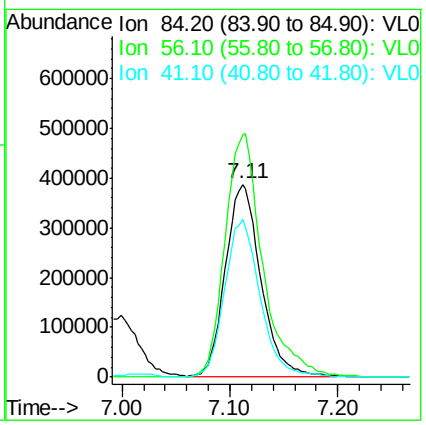


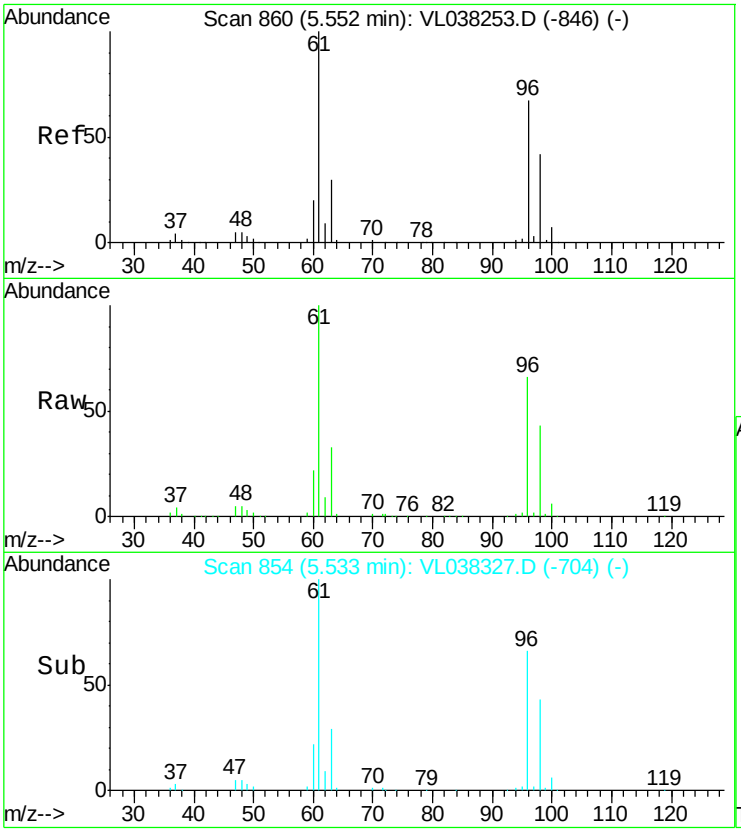


#30
Cyclohexane
Concen: 9.857 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.02 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 84 Resp: 893774

Ion	Ratio	Lower	Upper
84	100		
56	133.8	112.7	169.1
41	81.7	71.1	106.7



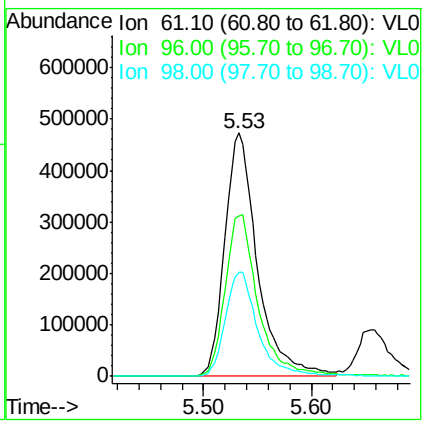


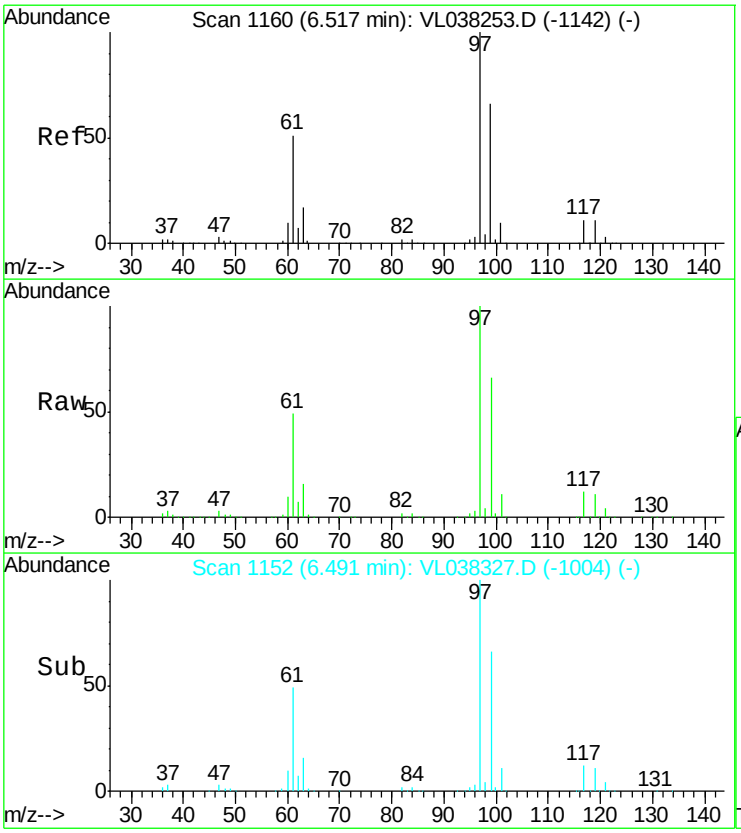
#31
cis-1,2-Dichloroethene
Concen: 10.955 ppbv
RT: 5.53
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 995180

Ion	Ratio	Lower	Upper
61	100		
96	65.8	53.3	79.9
98	42.9	33.7	50.5

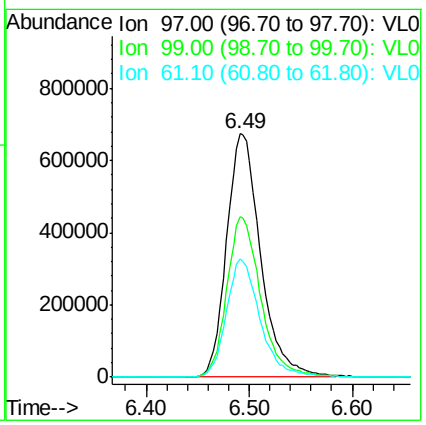


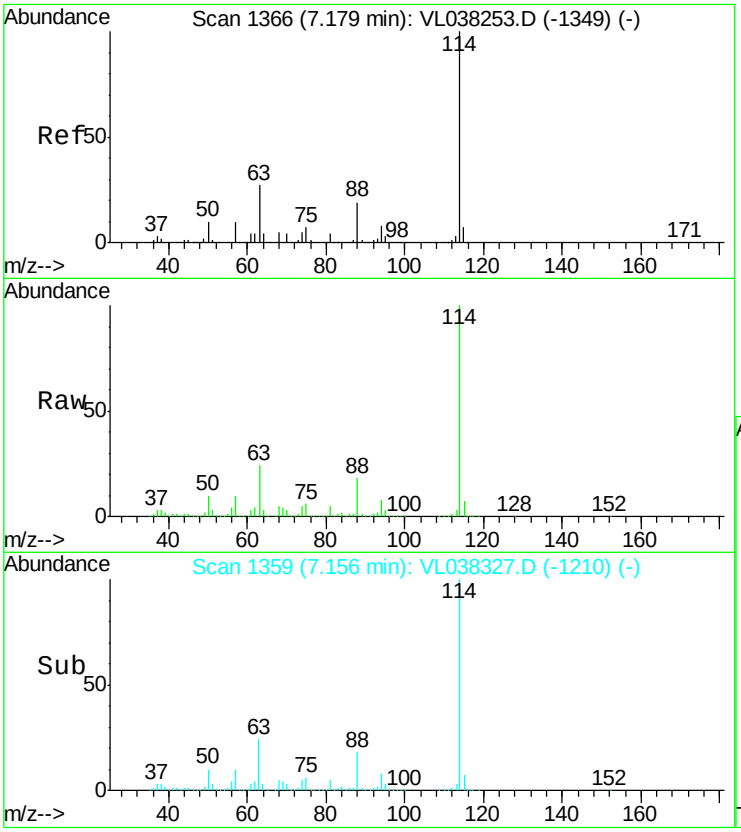


#32
1,1,1-Trichloroethane
Concen: 9.146 ppbv
RT: 6.49 min Scan# 1152
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 97 Resp: 1552841

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.5	77.3
61	48.0	40.5	60.7



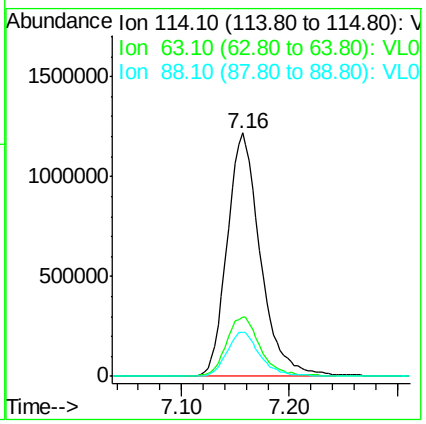


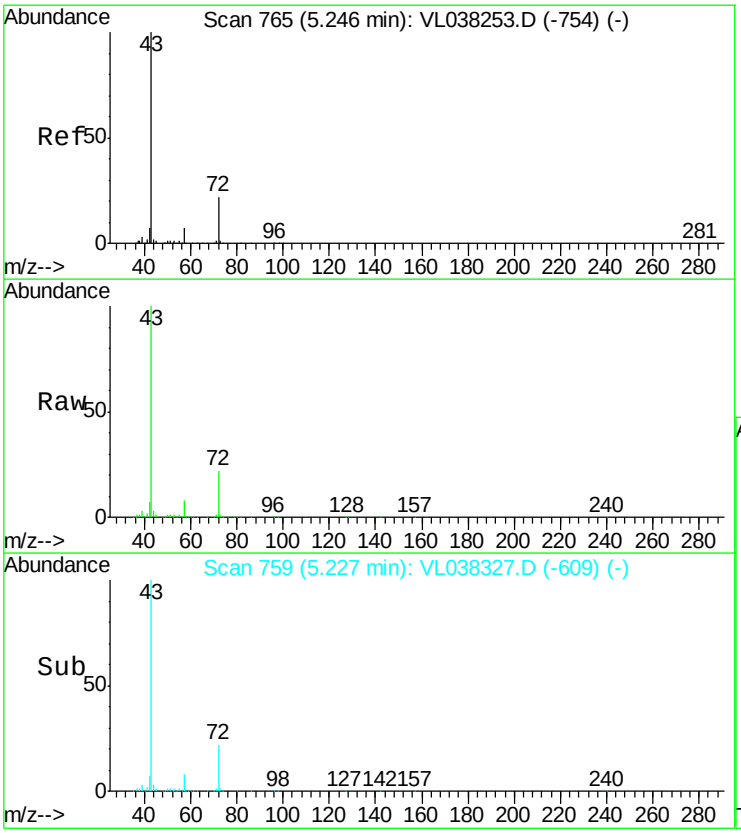
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 2621148

Ion	Ratio	Lower	Upper
114	100		
63	25.4	22.0	33.0
88	18.4	15.0	22.6

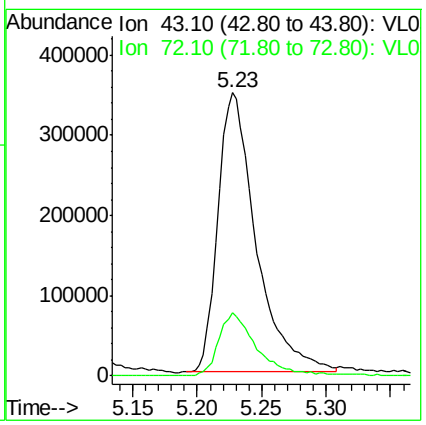


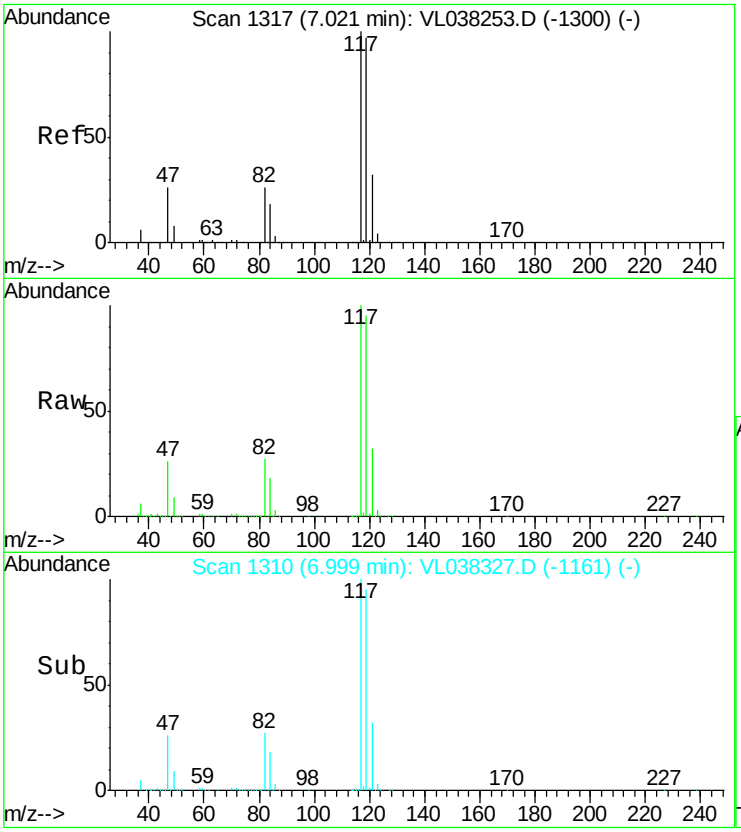


#34
2-Butanone
Concen: 8.377 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.02 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 43 Resp: 718072

Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.1	27.1



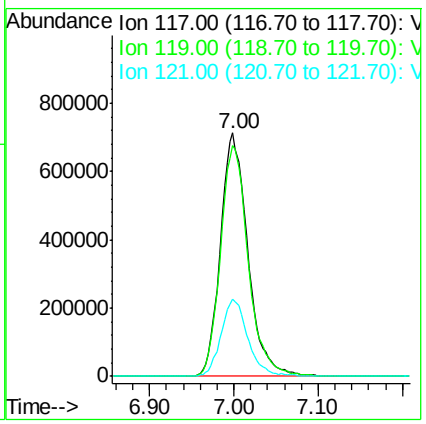


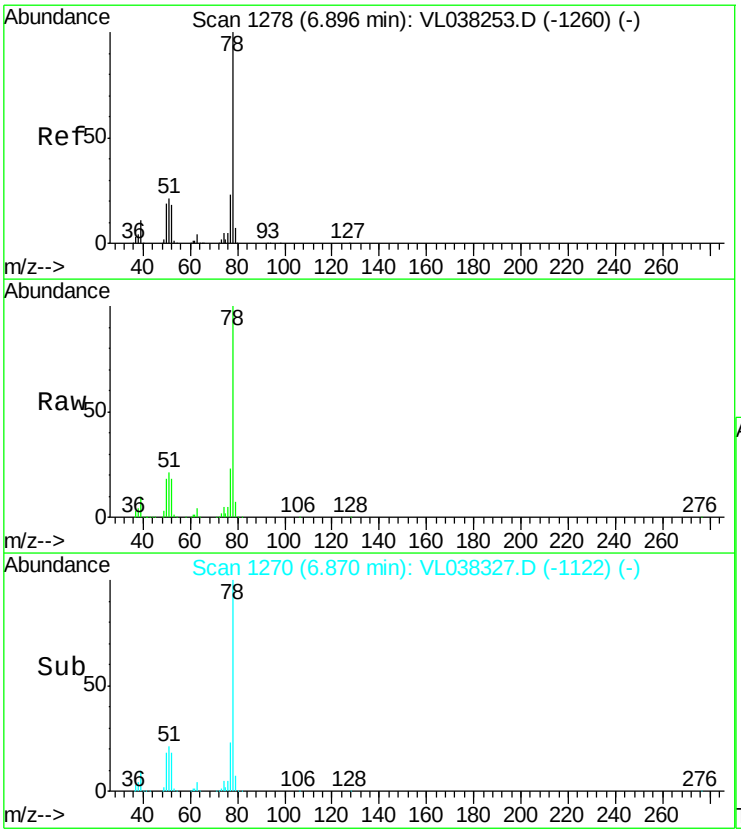
#35
Carbon Tetrachloride
Concen: 8.736 ppbv
RT: 7.00
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1607378

Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.9	116.9
121	31.7	25.4	38.2

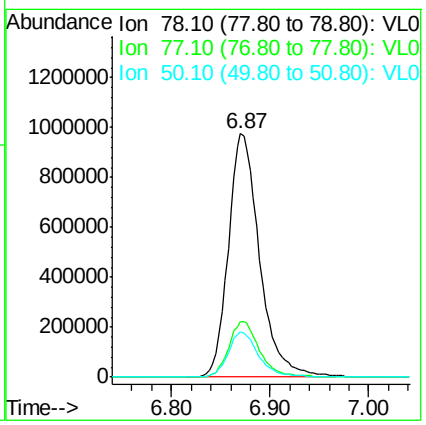


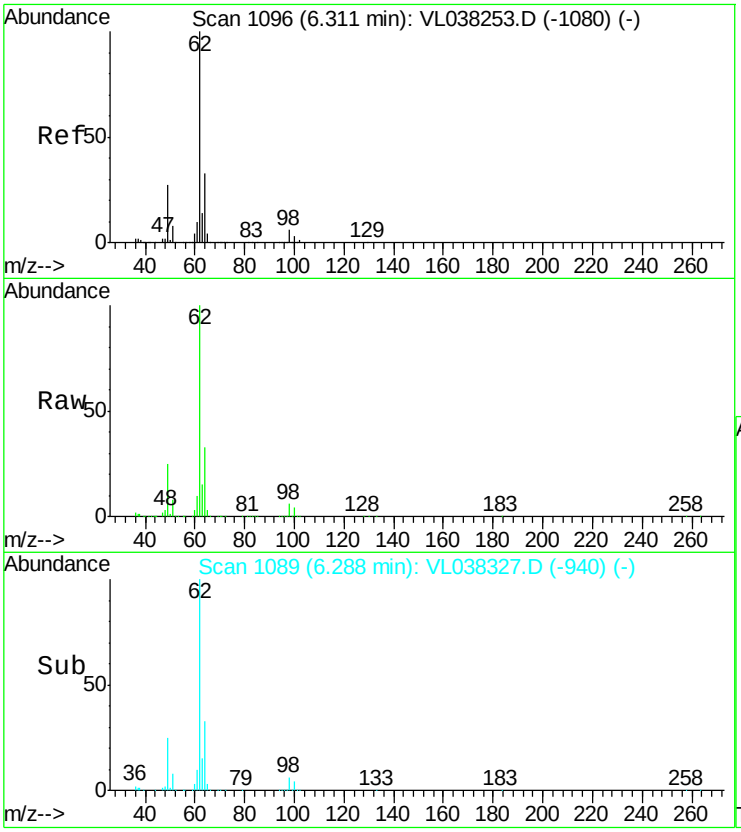


#36
Benzene
Concen: 9.270 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 78 Resp: 2149321

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.2	27.2
50	18.4	15.1	22.7



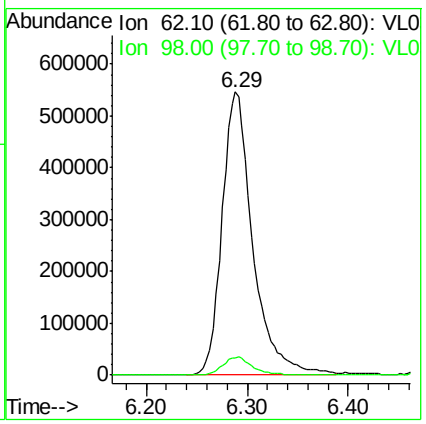


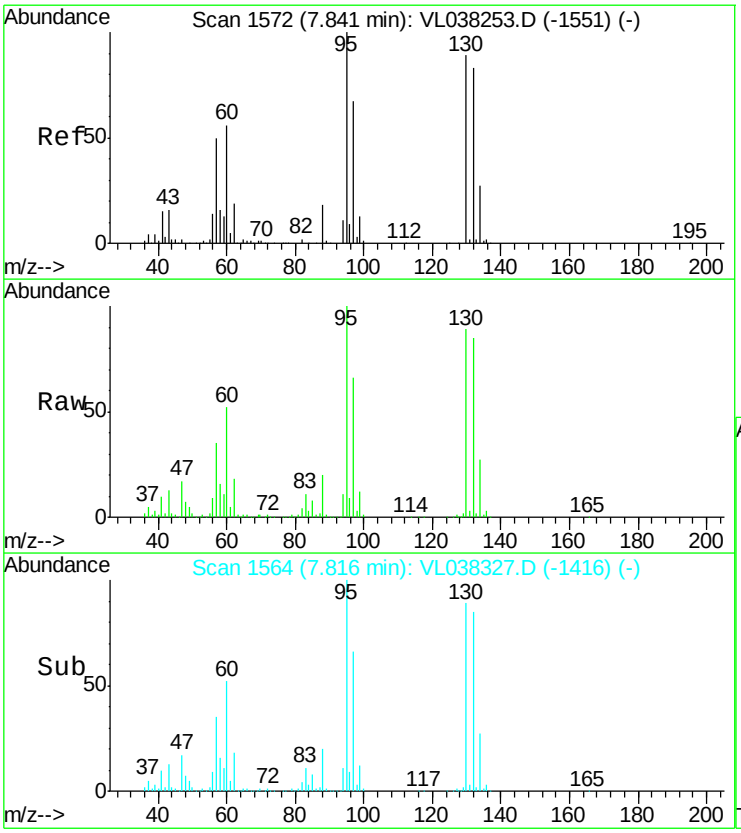
#37
1,2-Dichloroethane
Concen: 8.742 ppbv
RT: 6.29
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 1160917

Ion	Ratio	Lower	Upper
62	100		
98	6.4	4.5	6.7

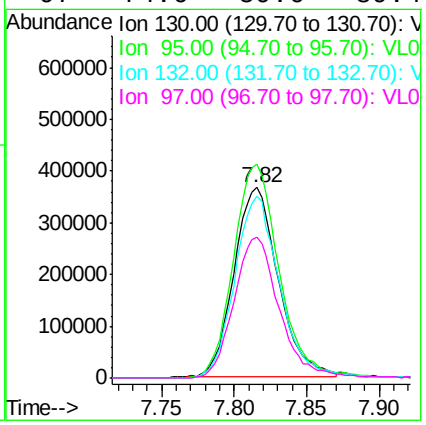


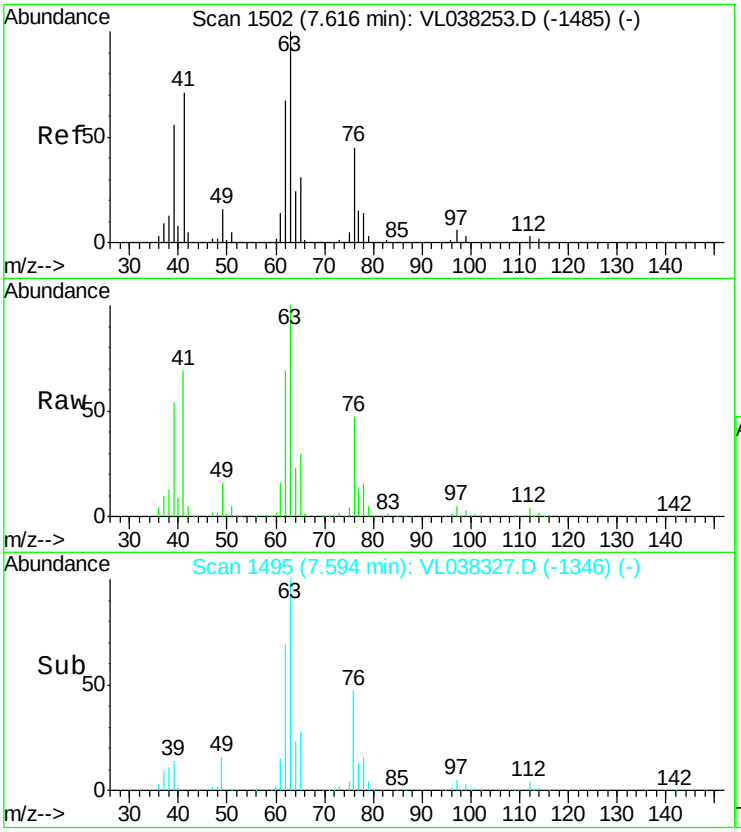


#38
Trichloroethene
Concen: 9.010 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion:130 Resp: 778139

Ion	Ratio	Lower	Upper
130	100		
95	112.7	89.4	134.2
132	96.2	74.6	111.8
97	74.6	59.6	89.4



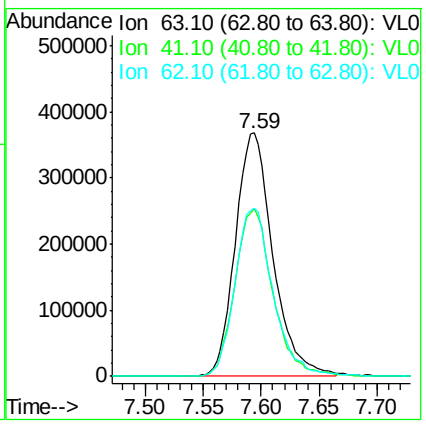


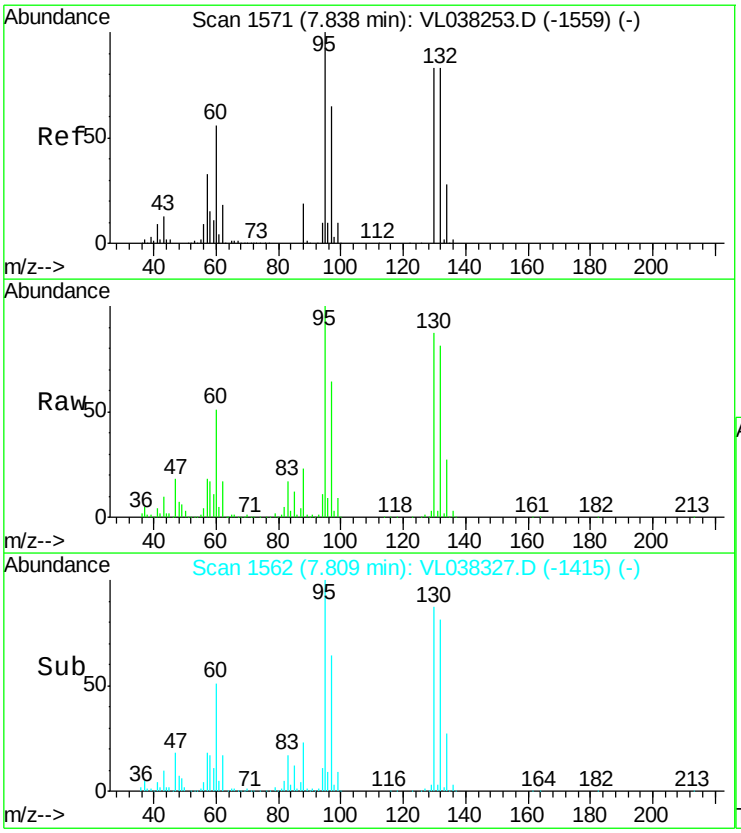
#39
1,2-Dichloropropane
Concen: 8.797 ppbv
RT: 7.59
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 826882

Ion	Ratio	Lower	Upper
63	100		
41	68.9	56.6	85.0
62	69.0	53.9	80.9

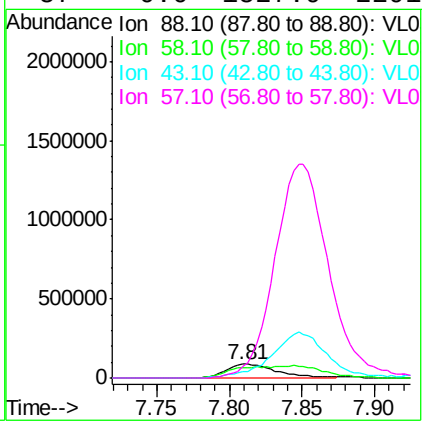


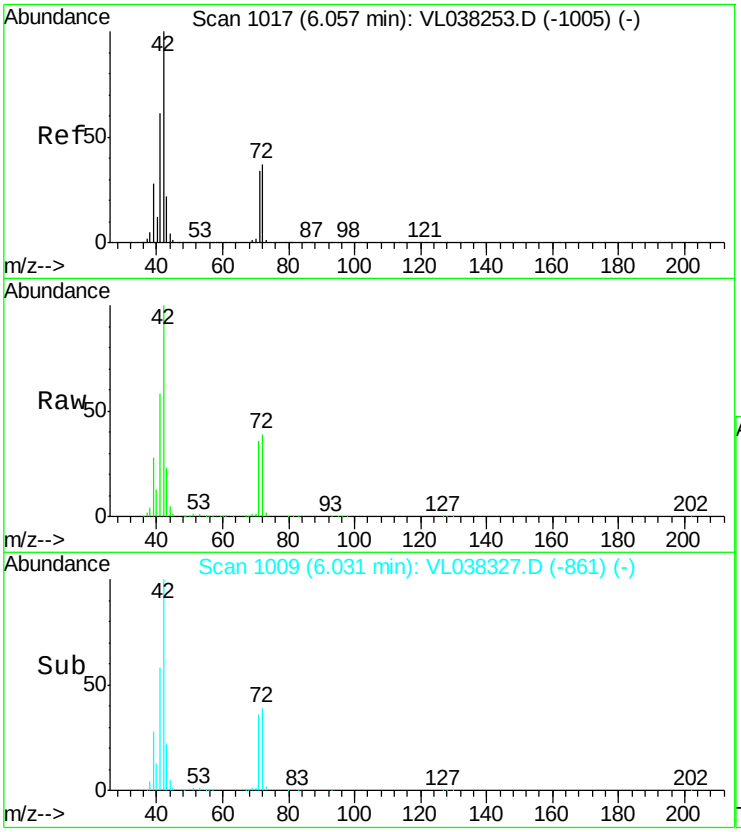


#40
1,4-Dioxane
Concen: 9.303 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 88 Resp: 210477

Ion	Ratio	Lower	Upper
88	100		
58	0.0	138.6	208.0#
43	0.0	346.9	520.3#
57	0.0	1527.9	2291.9#



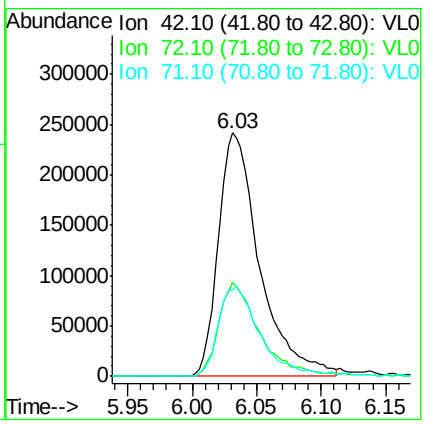


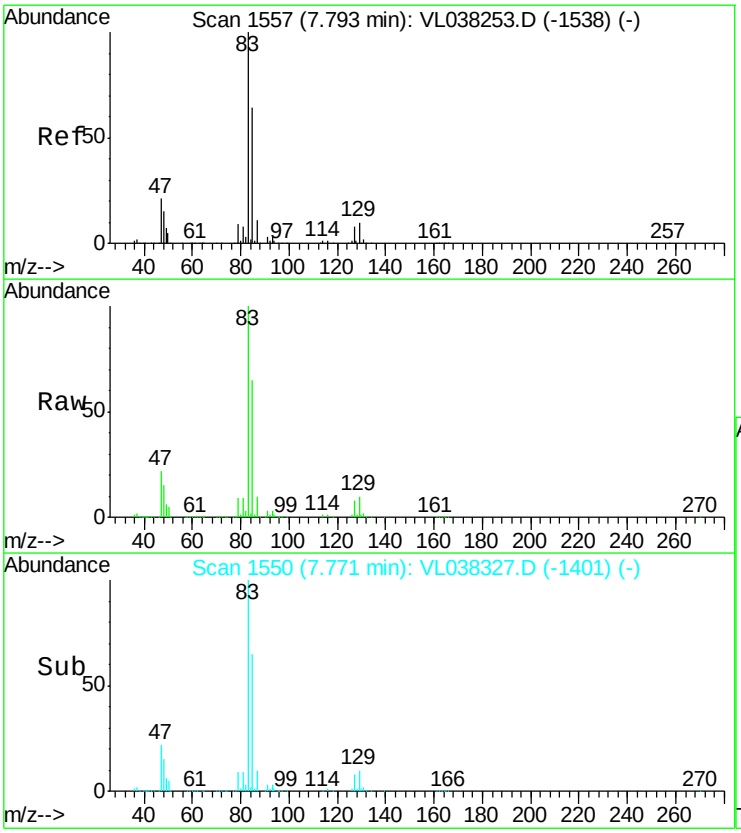
#41
Tetrahydrofuran
Concen: 9.277 ppbv
RT: 6.03
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 534555

Ion	Ratio	Lower	Upper
42	100		
72	39.2	29.7	44.5
71	38.3	29.4	44.2

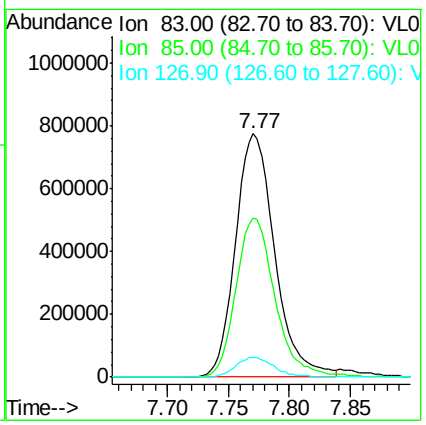


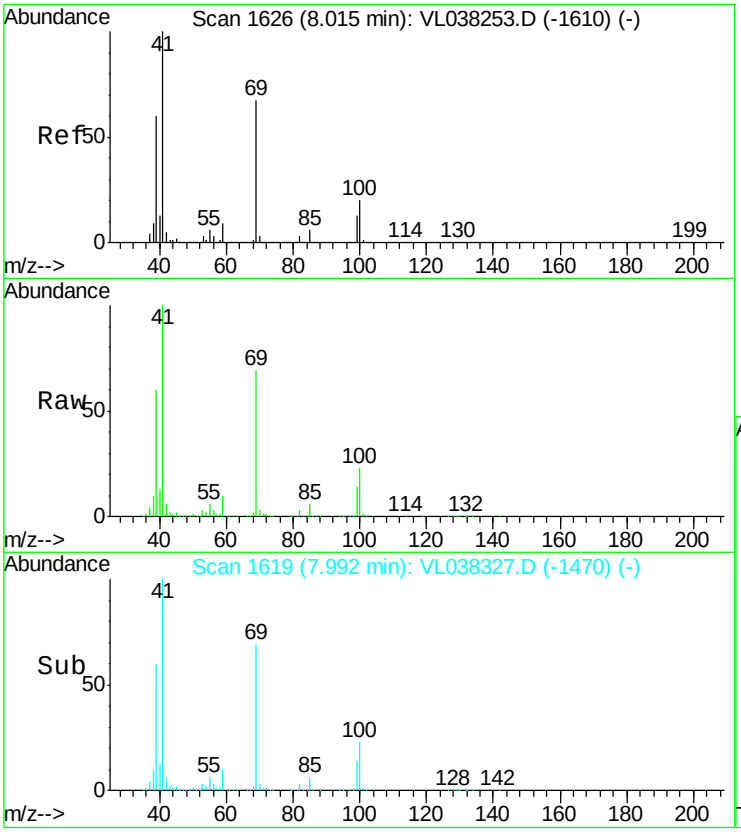


#42
Bromodichloromethane
Concen: 8.754 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.02 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 83 Resp: 1724838

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.5	77.3
127	8.0	6.2	9.4



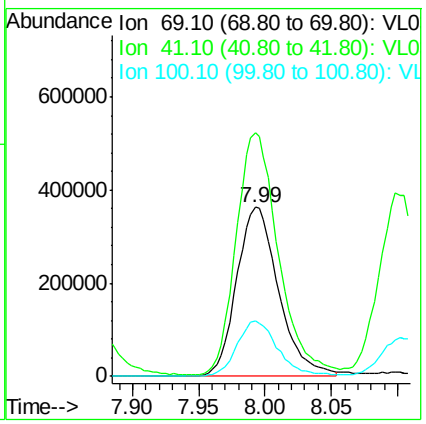


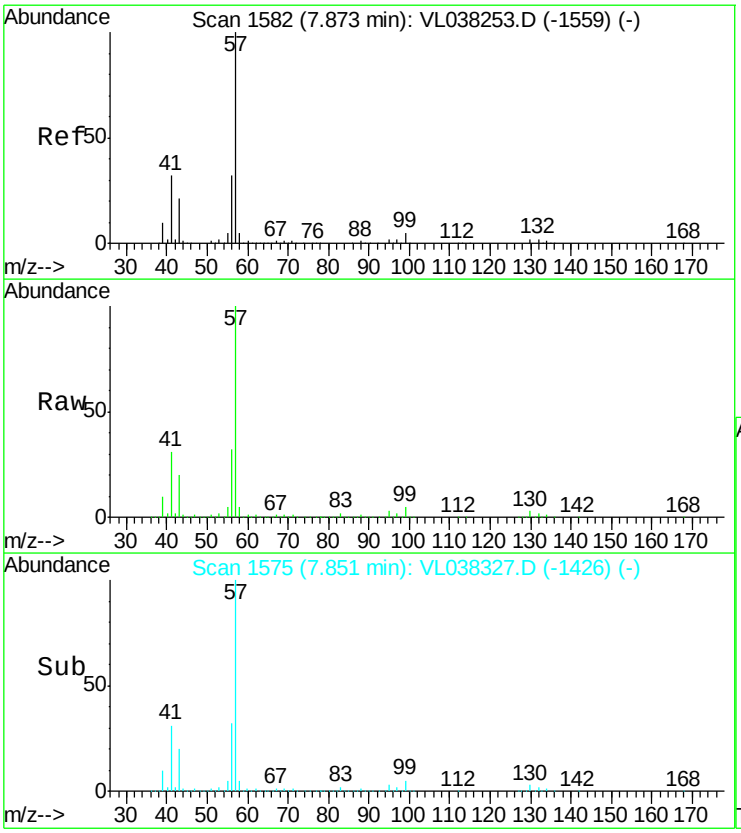
#43
Methyl Methacrylate
Concen: 9.786 ppbv
RT: 7.99
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 802540

Ion	Ratio	Lower	Upper
69	100		
41	146.0	120.9	181.3
100	31.9	23.4	35.0

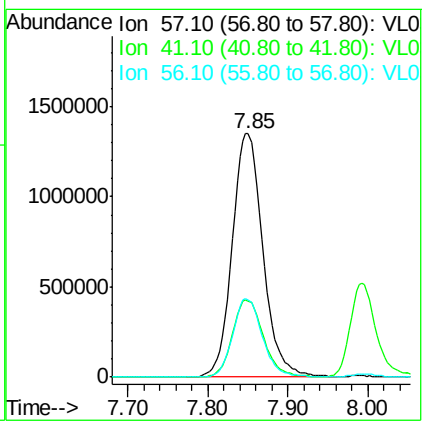


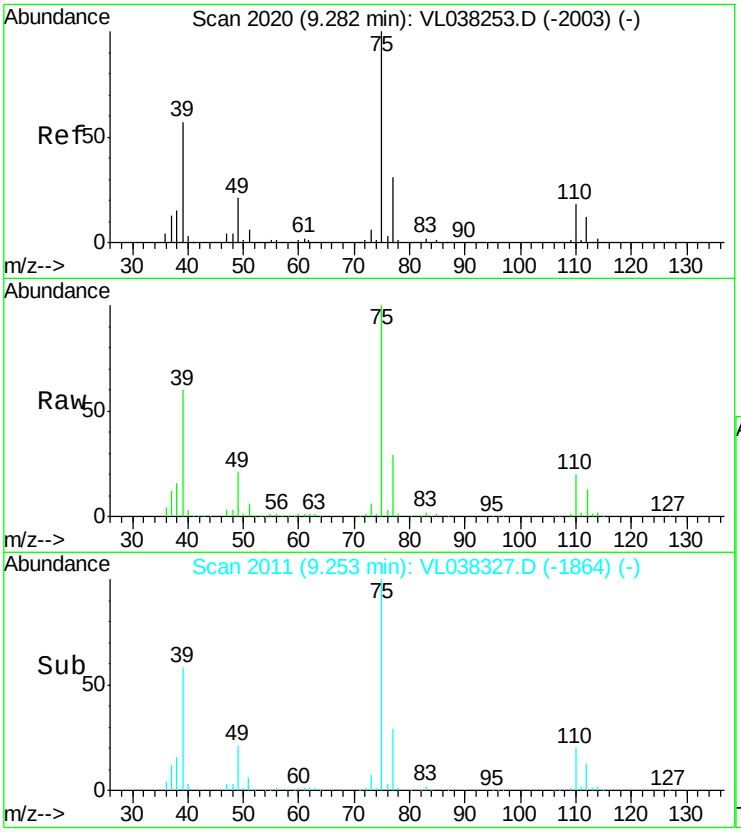


#44
2,2,4-Trimethylpentane
Concen: 8.559 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.02 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 57 Resp: 3497313

Ion	Ratio	Lower	Upper
57	100		
41	31.9	26.3	39.5
56	31.3	25.2	37.8



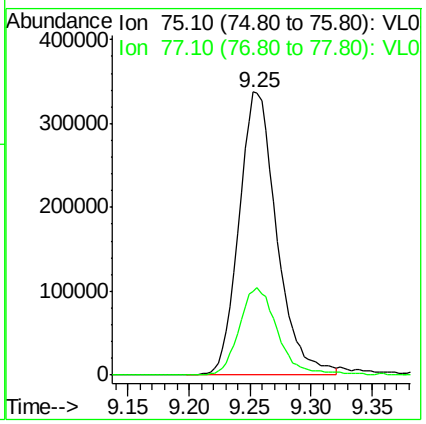


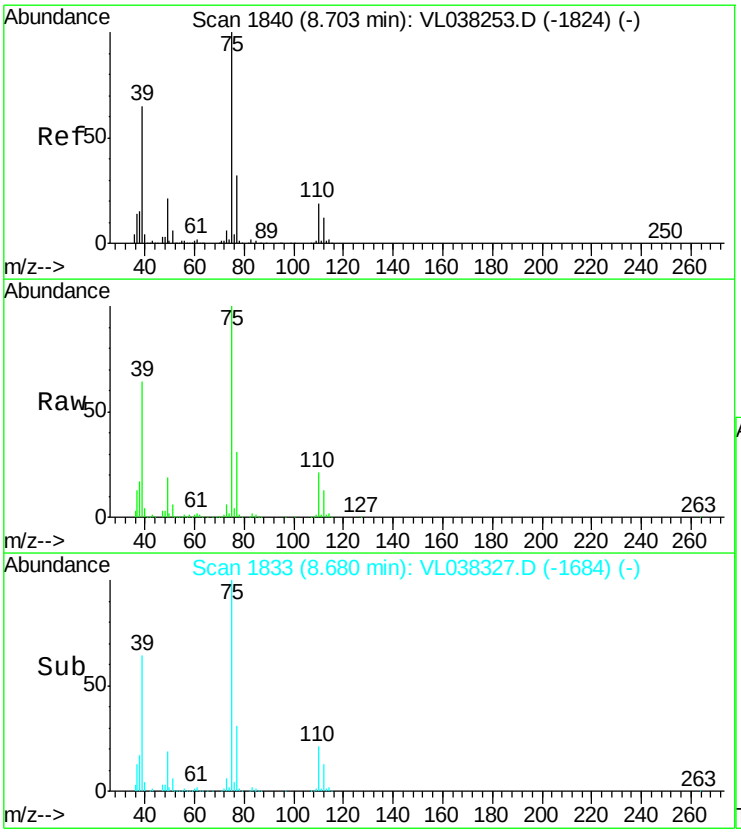
#45
t-1,3-Dichloropropene
Concen: 10.779 ppbv
RT: 9.25
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 718230

Ion	Ratio	Lower	Upper
75	100		
77	29.5	24.9	37.3

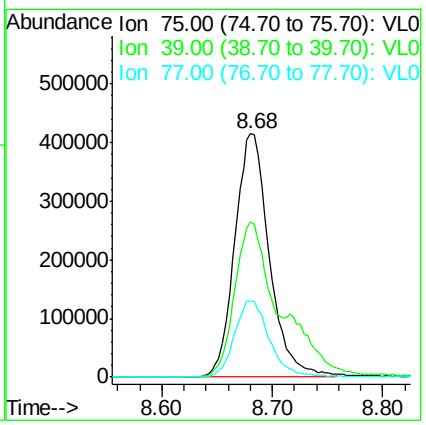


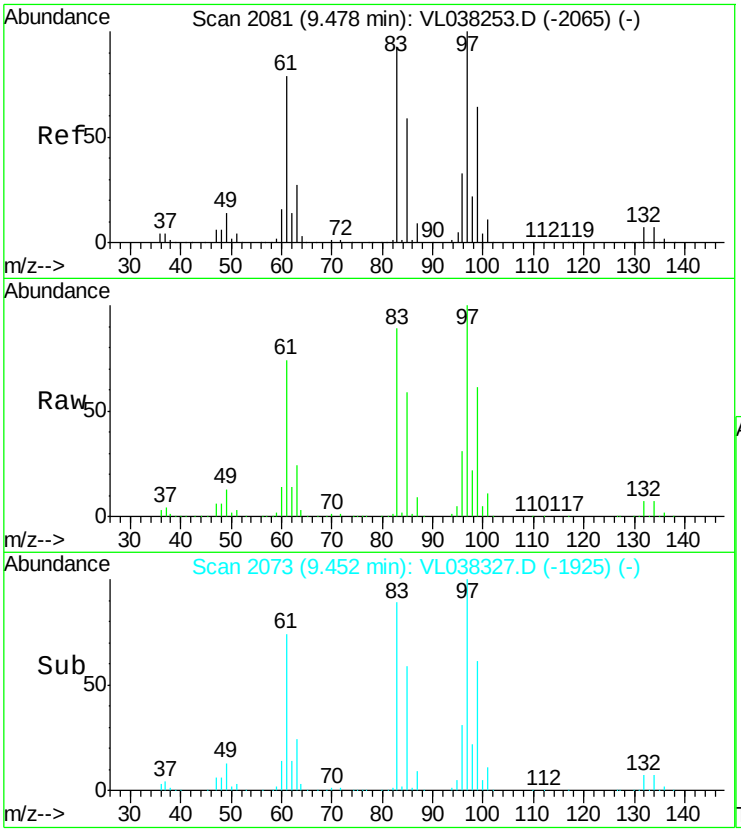


#46
cis-1,3-Dichloropropene
Concen: 10.140 ppbv
RT: 8.68 min Scan# 1833
Delta R.T. -0.02 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 75 Resp: 901418

Ion	Ratio	Lower	Upper
75	100		
39	63.8	52.3	78.5
77	31.1	25.4	38.0



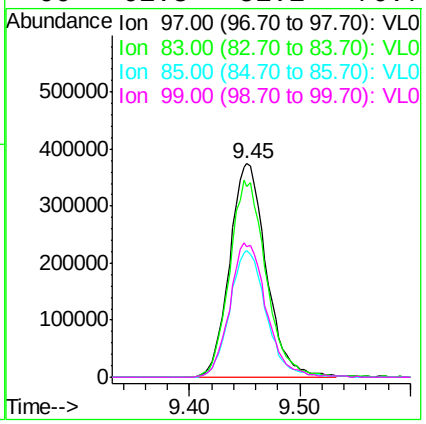


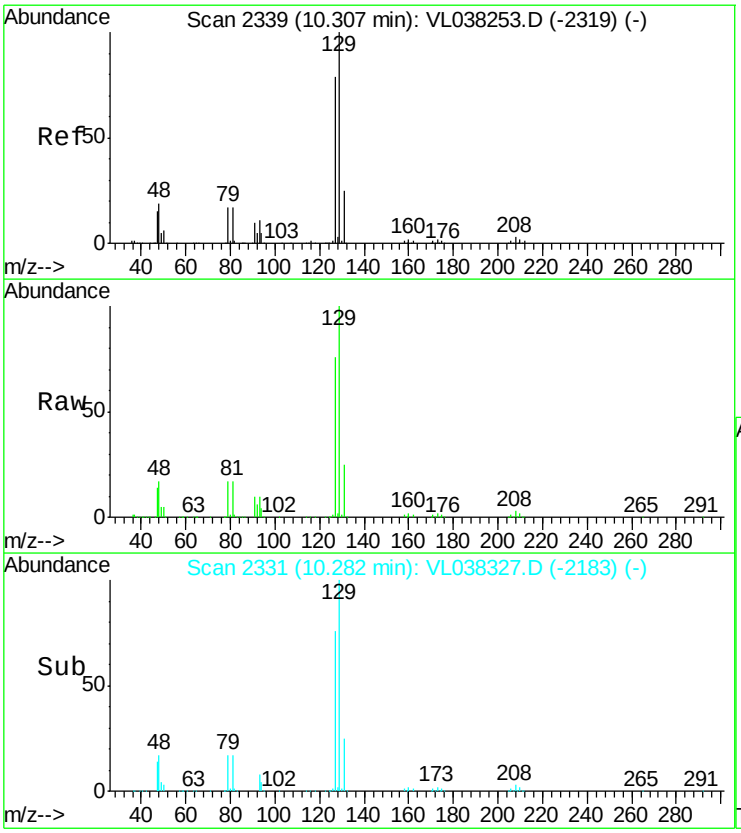
#47
1,1,2-Trichloroethane
Concen: 9.324 ppbv
RT: 9.45
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 861193

Ion	Ratio	Lower	Upper
97	100		
83	89.1	74.3	111.5
85	59.4	47.5	71.3
99	61.3	51.1	76.7

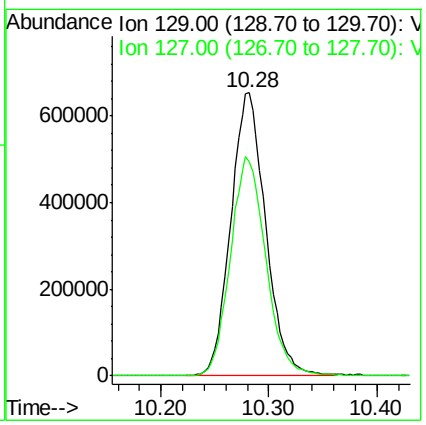


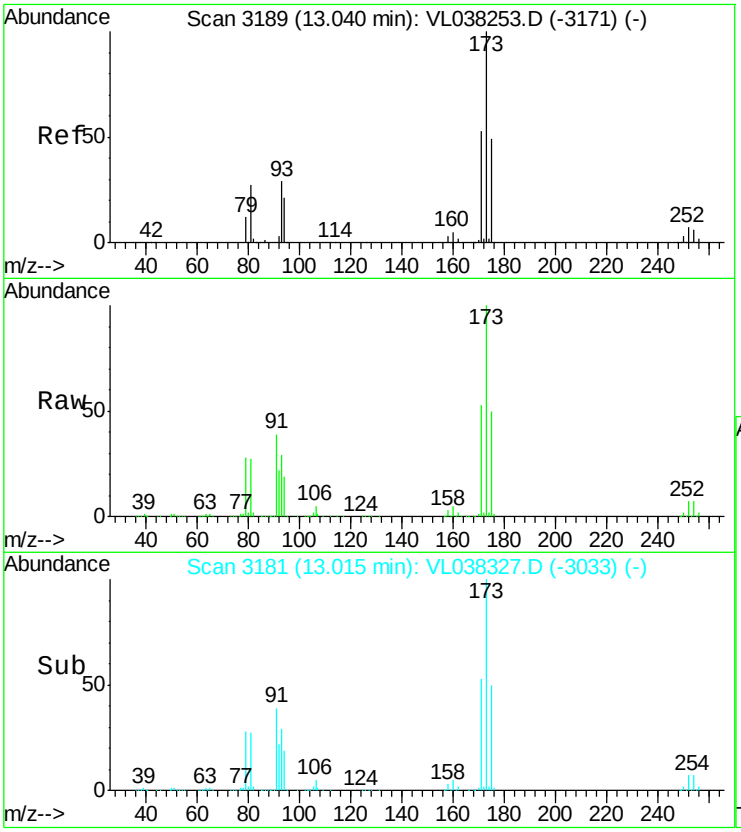


#48
Dibromochloromethane
Concen: 9.466 ppbv
RT: 10.28 min Scan# 2331
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion:129 Resp: 1471983

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.1	117.3



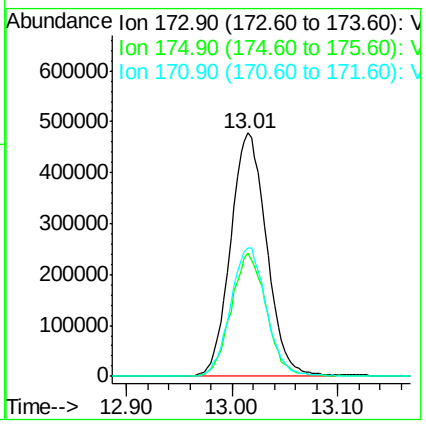


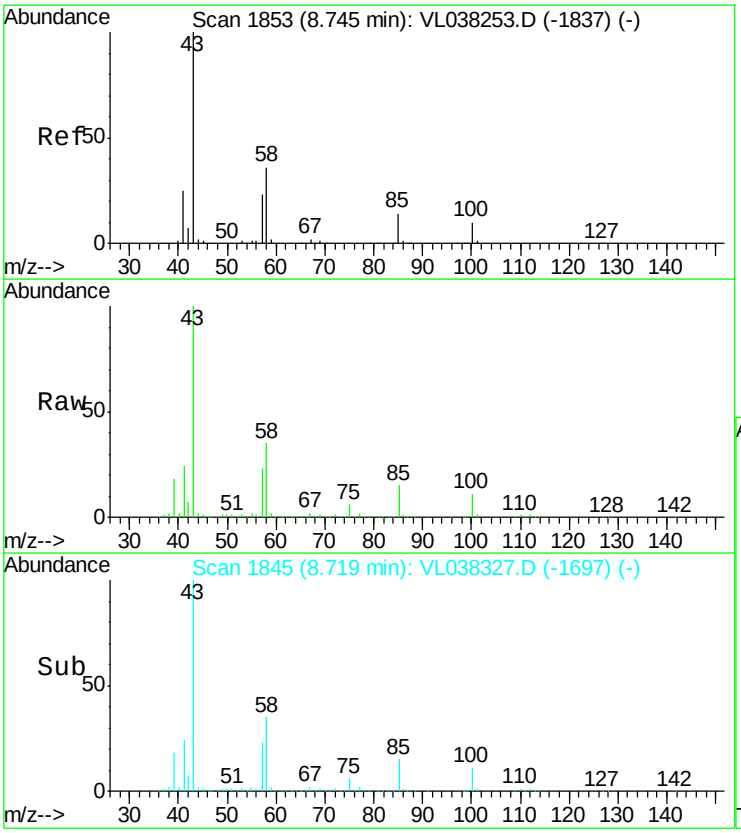
#49
Bromoform
Concen: 10.128 ppbv
RT: 13.01
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1135367

Ion	Ratio	Lower	Upper
173	100		
175	49.7	39.7	59.5
171	52.9	42.1	63.1

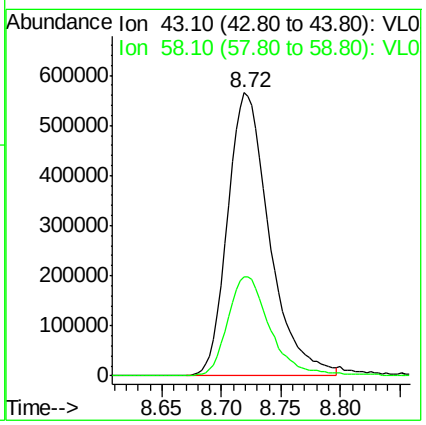


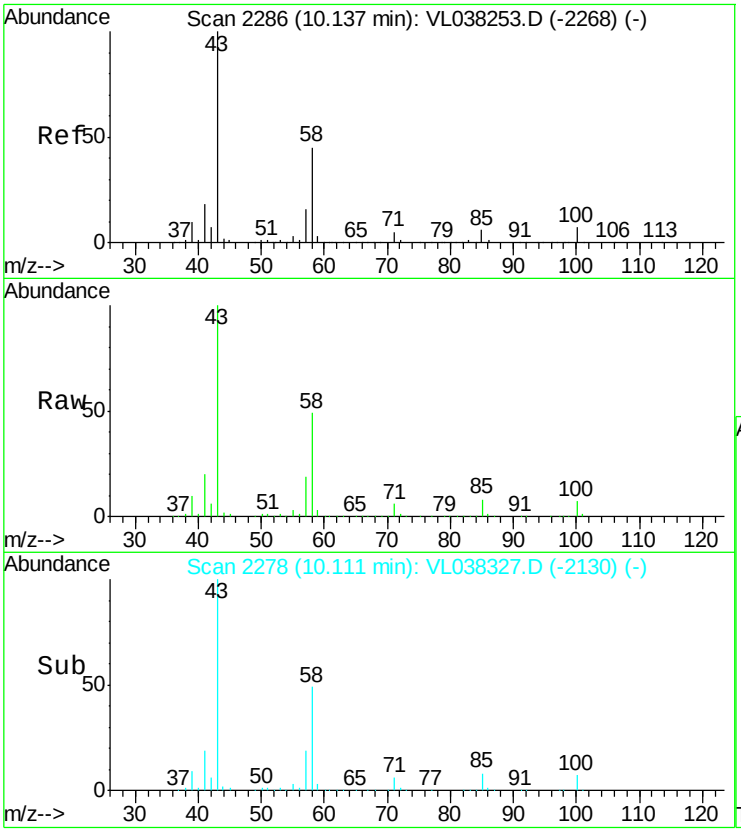


#50
4-Methyl-2-Pentanone
Concen: 9.023 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 43 Resp: 1379688

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.2	42.4



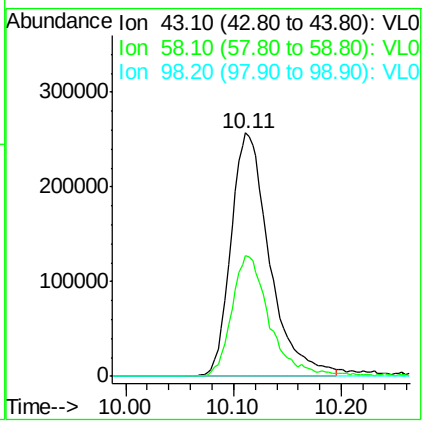


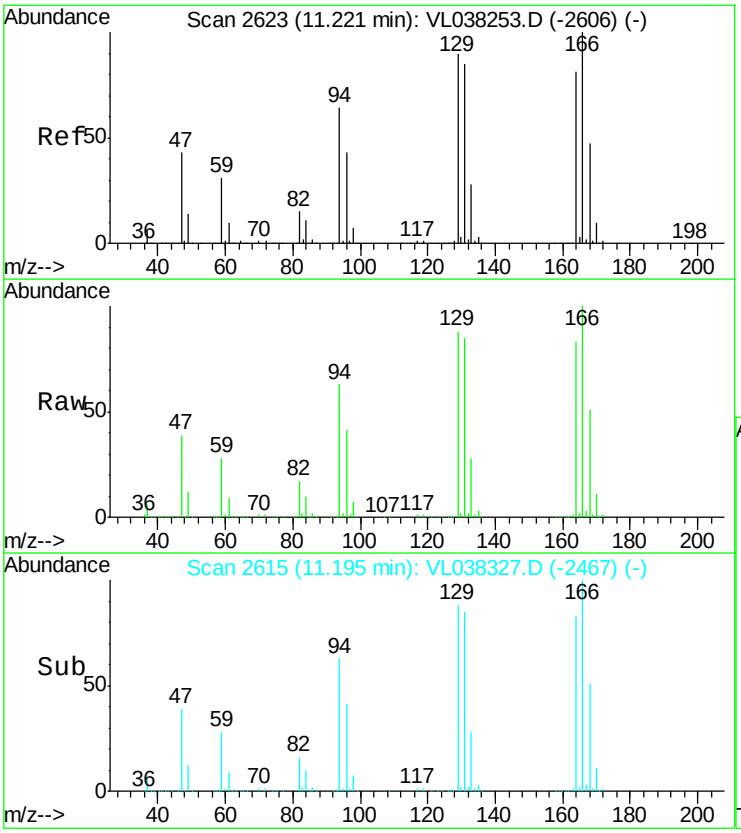
#51
2-Hexanone
Concen: 9.511 ppbv
RT: 10.11
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 640555

Ion	Ratio	Lower	Upper
43	100		
58	49.2	37.0	55.4
98	0.2	0.2	0.2

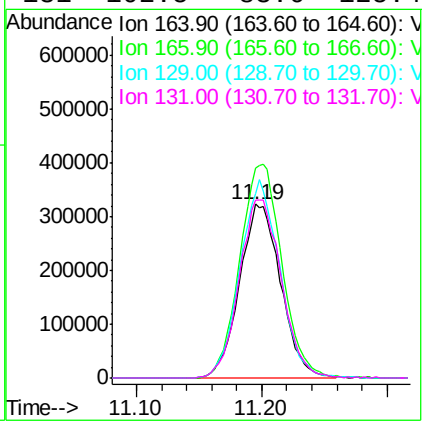


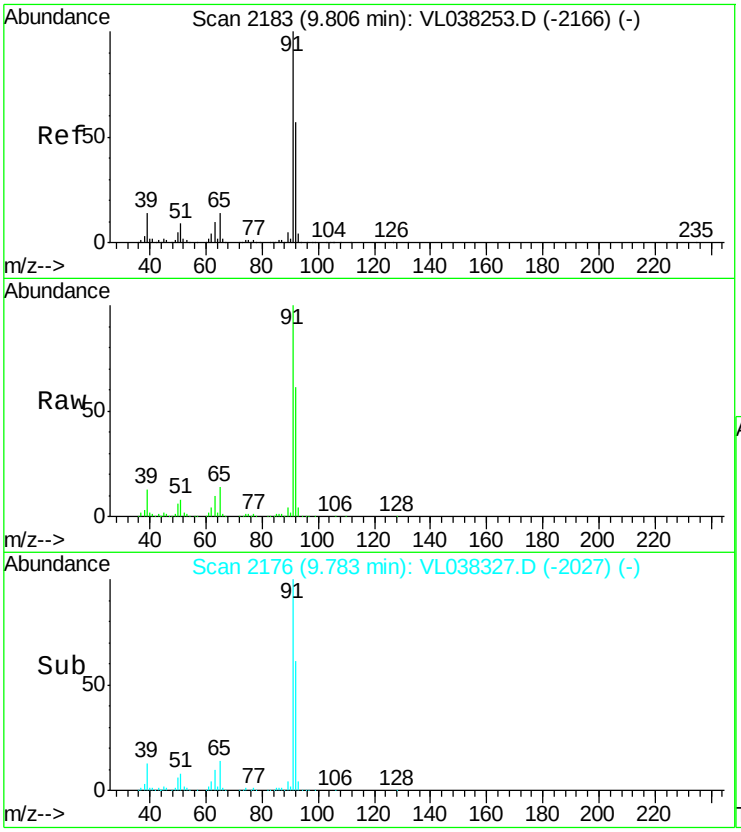


#52
Tetrachloroethene
Concen: 9.185 ppbv
RT: 11.19 min Scan# 2615
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion:164 Resp: 733923

Ion	Ratio	Lower	Upper
164	100		
166	120.9	98.8	148.2
129	106.4	89.2	133.8
131	102.5	83.6	125.4



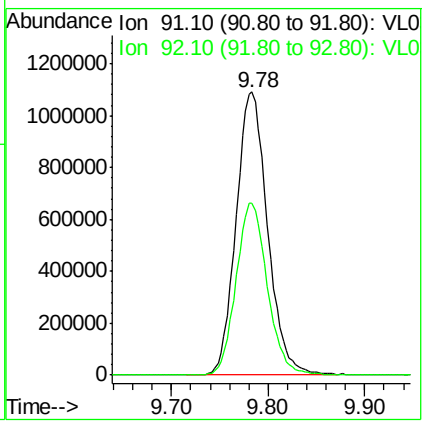


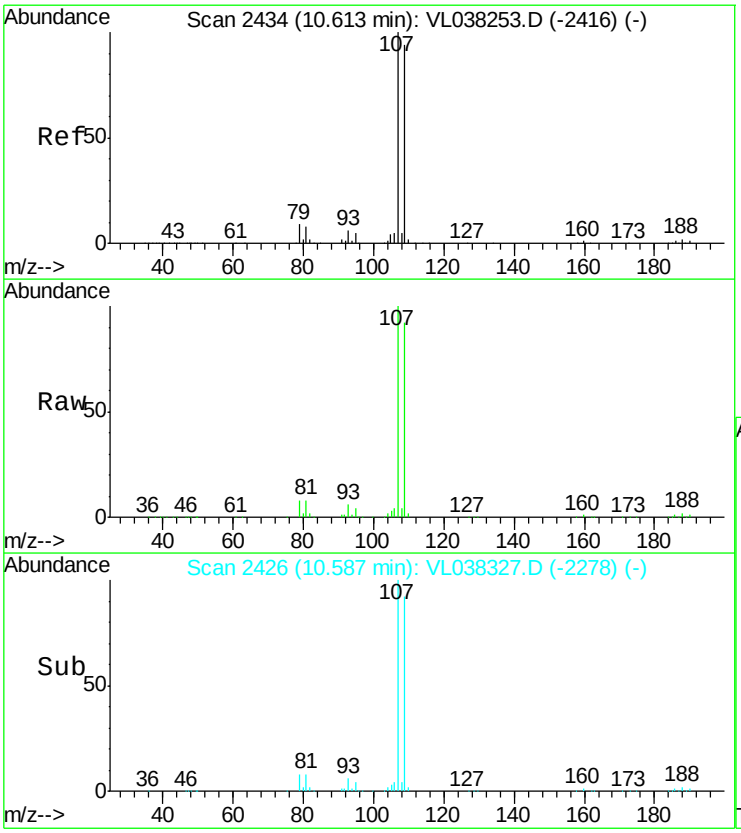
#53
Toluene
Concen: 9.624 ppbv
RT: 9.78
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2469806

Ion	Ratio	Lower	Upper
91	100		
92	60.7	47.4	71.0

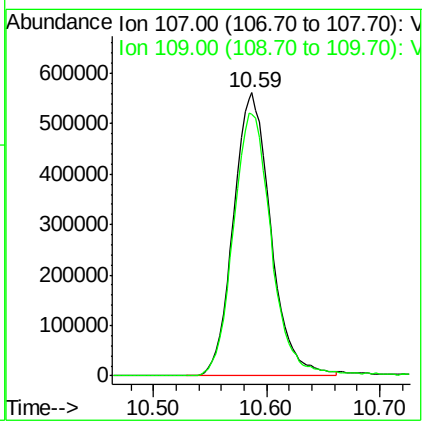


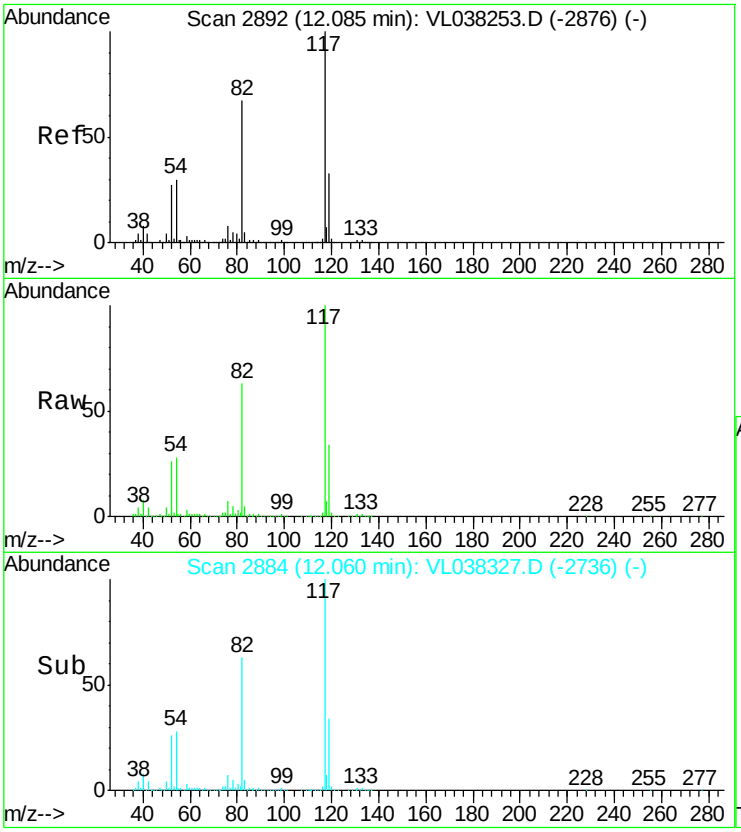


#54
1,2-Dibromoethane
Concen: 9.818 ppbv
RT: 10.59 min Scan# 2426
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion:107 Resp: 1289243

Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.4	113.0



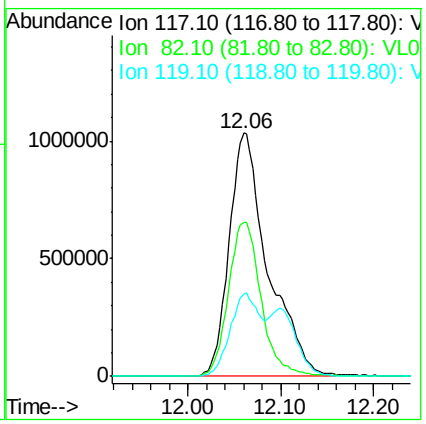


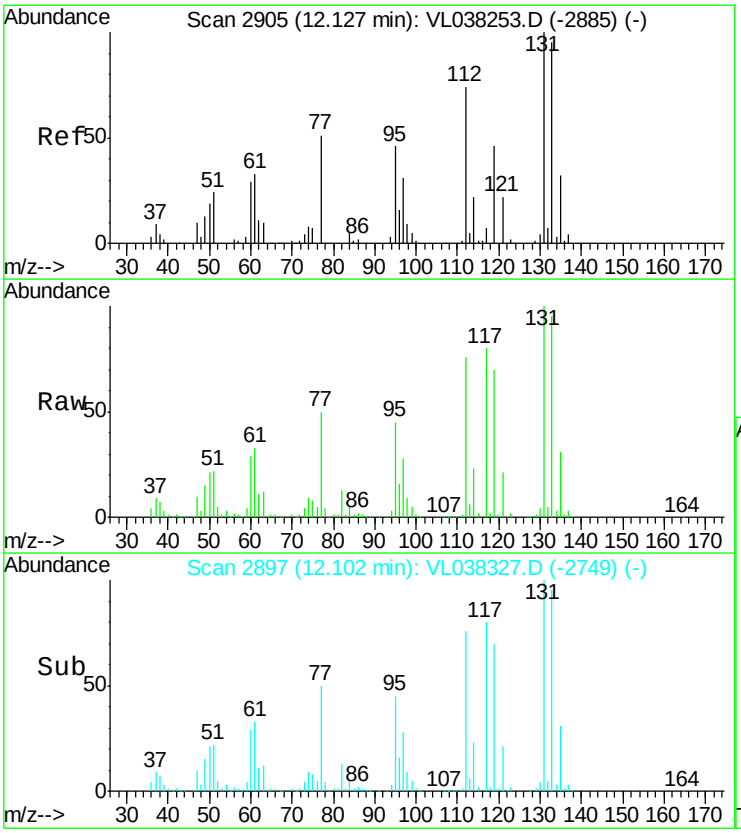
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 3005269

Ion	Ratio	Lower	Upper
117	100		
82	53.4	54.4	81.6#
119	46.7	45.9	68.9

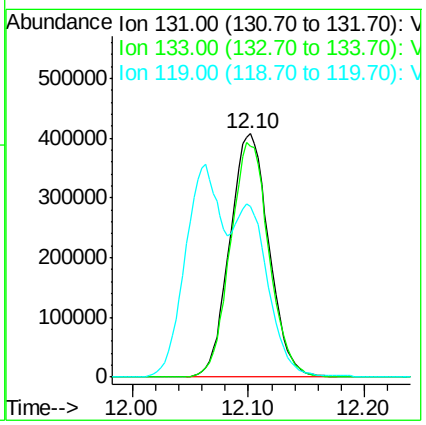


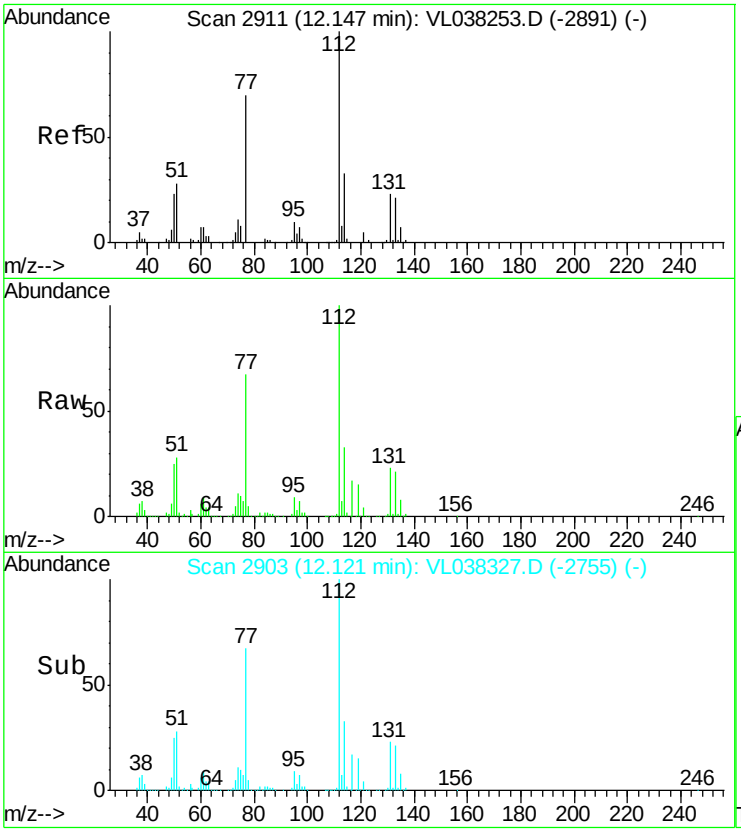


#56
1,1,1,2-Tetrachloroethane
Concen: 7.250 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion:131 Resp: 953657

Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.0	114.0
119	59.7	53.0	79.4



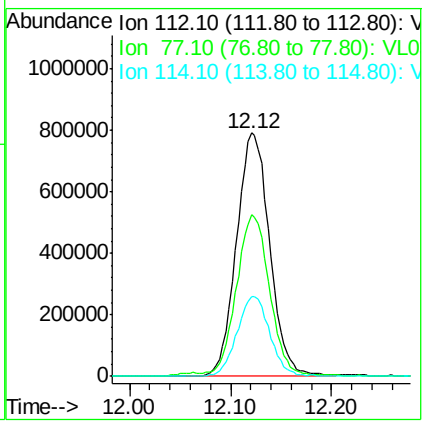


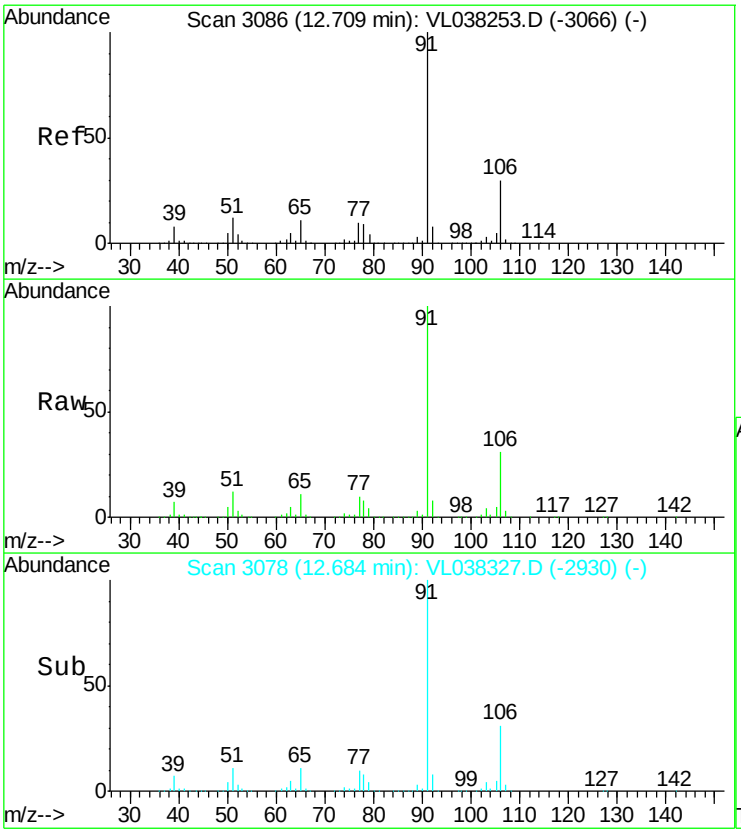
#57
Chlorobenzene
Concen: 7.508 ppbv
RT: 12.12
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 1805578

Ion	Ratio	Lower	Upper
112	100		
77	66.3	55.9	83.9
114	32.5	29.3	35.9

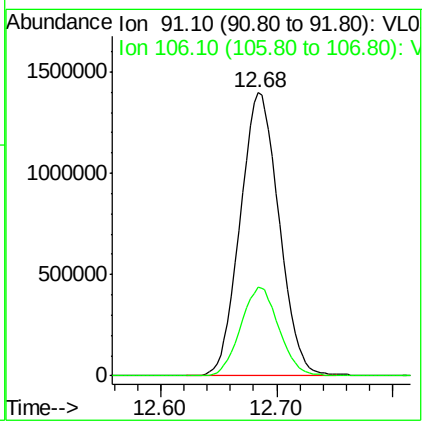


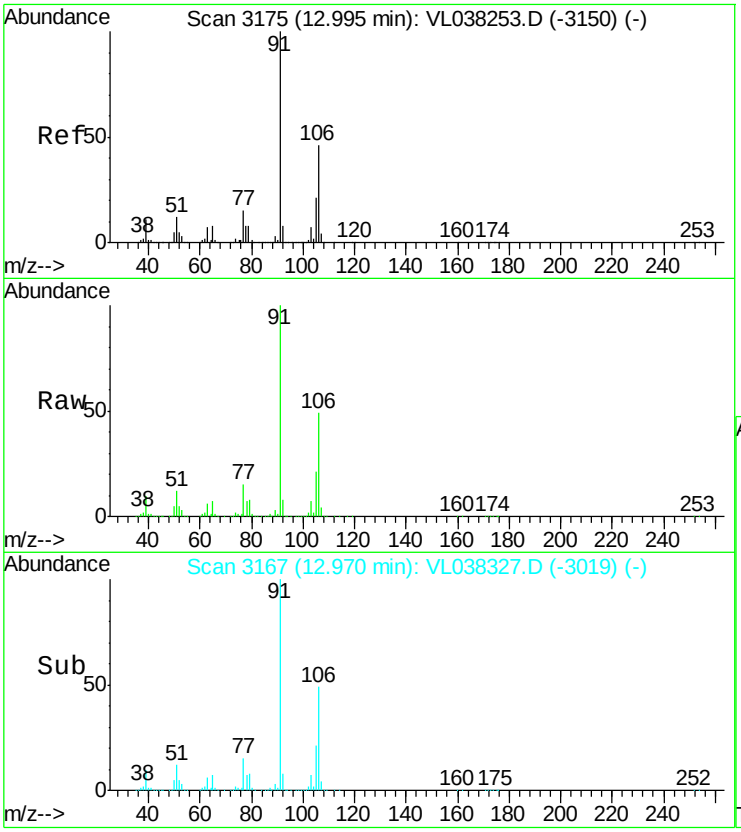


#58
Ethyl Benzene
Concen: 7.390 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 91 Resp: 3263833

Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.1	36.1



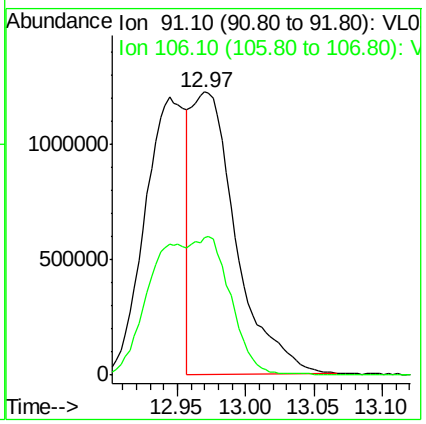


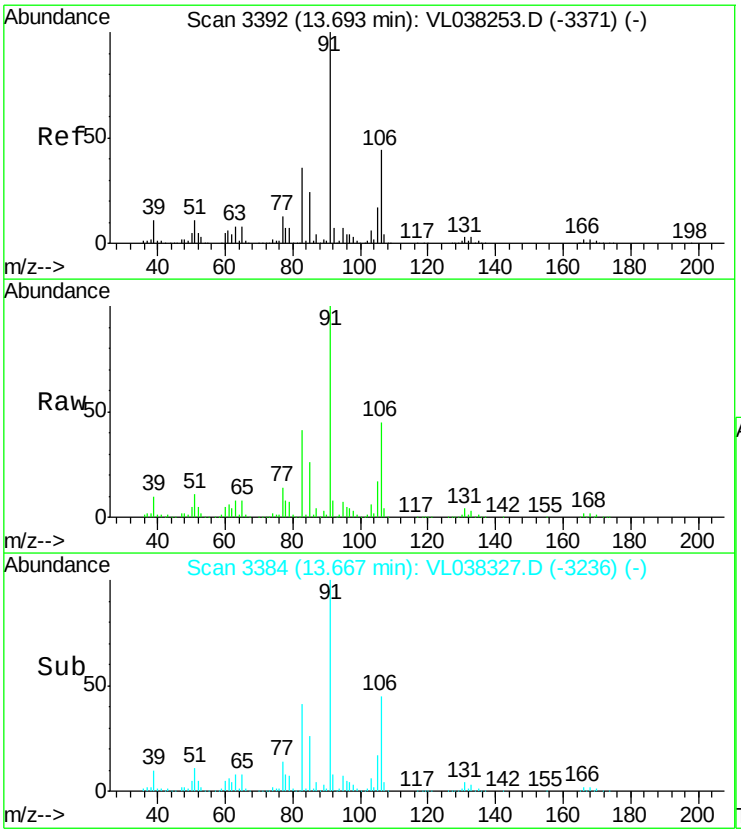
#59
m/p-Xylene
Concen: 7.387 ppbv
RT: 12.97
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2783735

Ion	Ratio	Lower	Upper
91	100		
106	86.1	34.8	52.2#

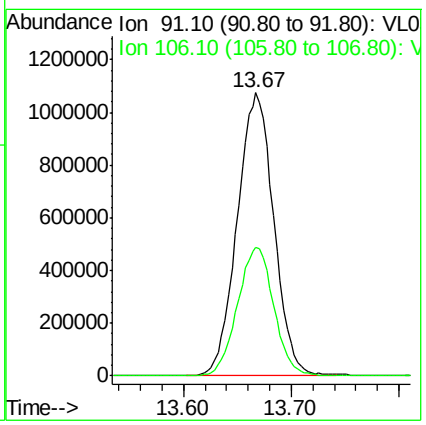


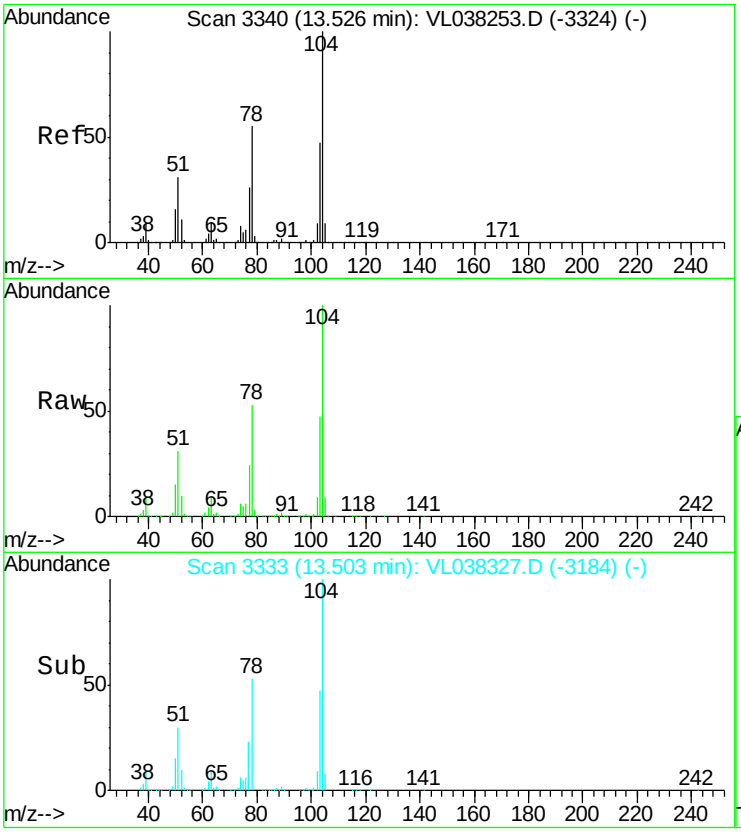


#60
o-Xylene
Concen: 7.212 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 91 Resp: 2527624

Ion	Ratio	Lower	Upper
91	100		
106	45.3	22.2	66.6



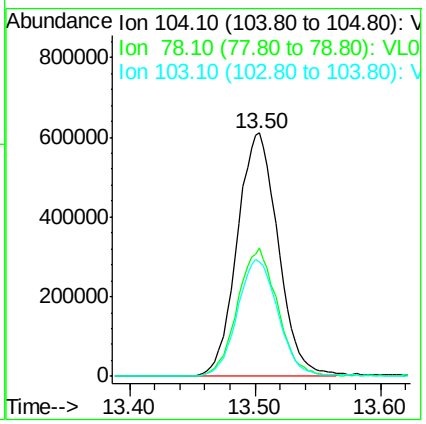


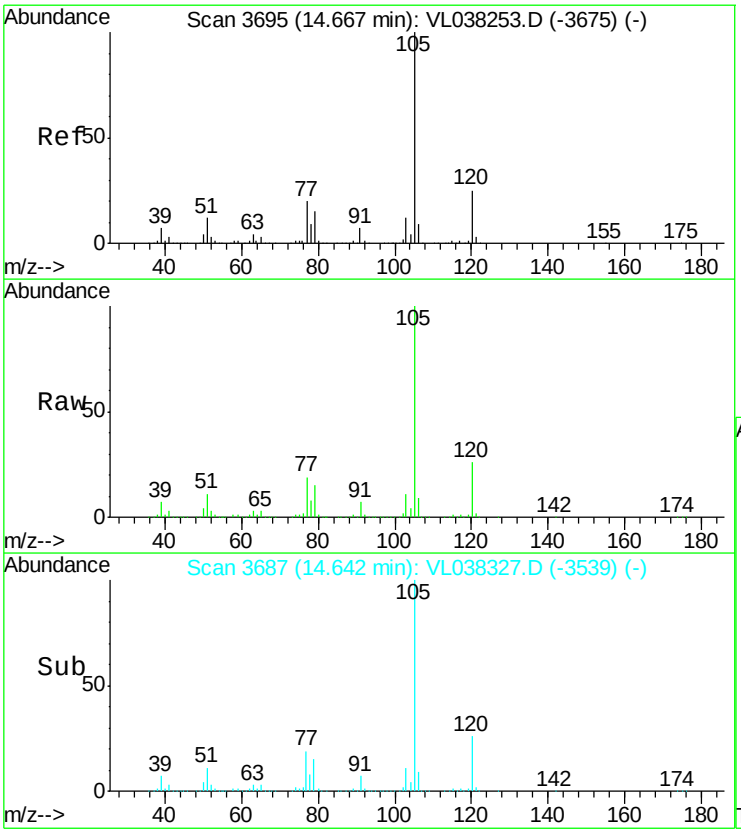
#61
Styrene
Concen: 8.466 ppbv
RT: 13.50
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1384724

Ion	Ratio	Lower	Upper
104	100		
78	51.8	44.2	66.4
103	48.0	38.2	57.4

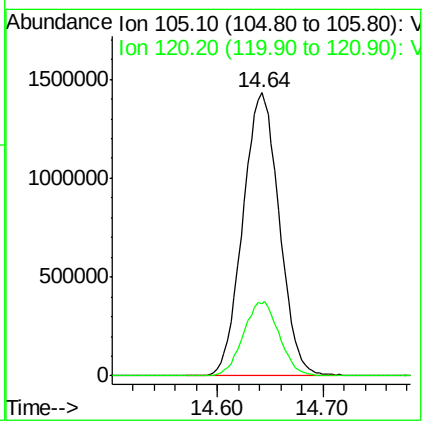


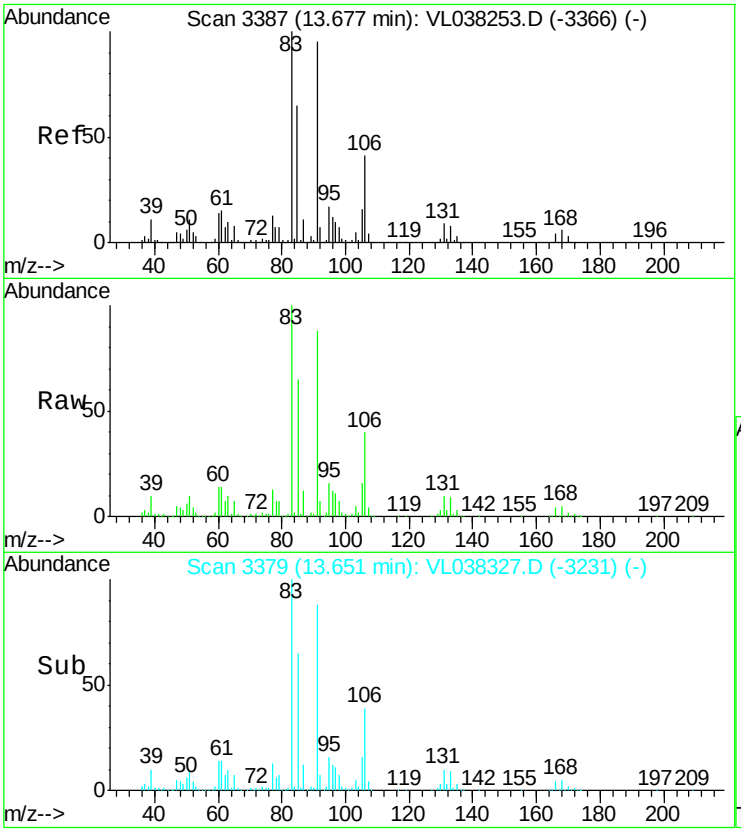


#62
Isopropylbenzene
Concen: 7.367 ppbv
RT: 14.64 min Scan# 3687
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion:105 Resp: 3442226

Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.5	30.7



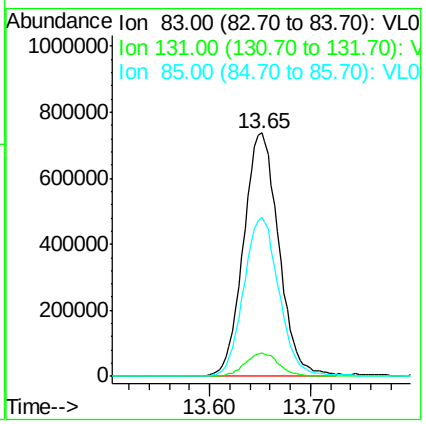


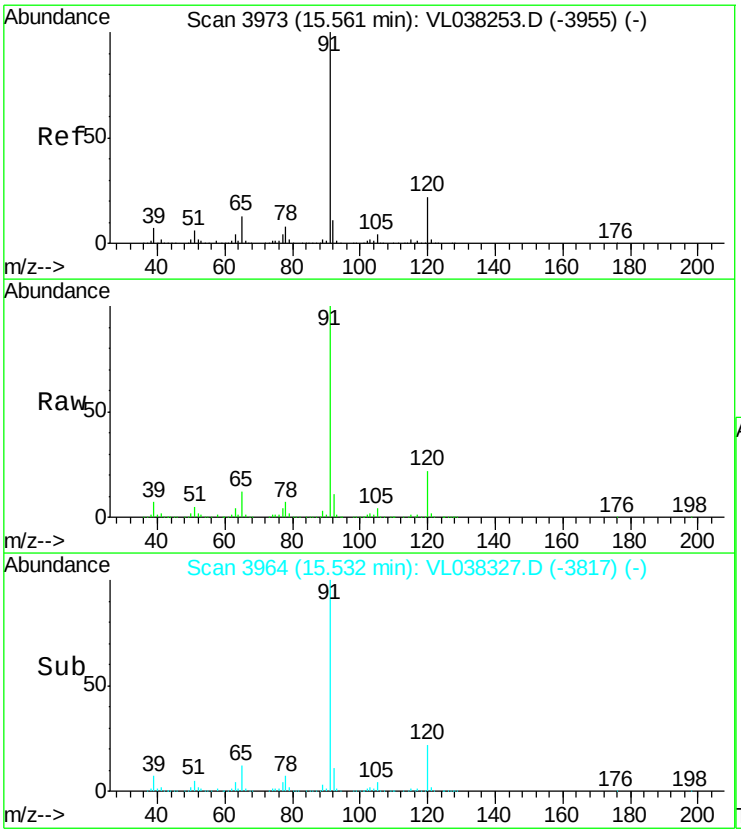
#63
1,1,2,2-Tetrachloroethane
Concen: 6.880 ppbv
RT: 13.65
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1784120

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.5
85	65.9	32.8	98.4

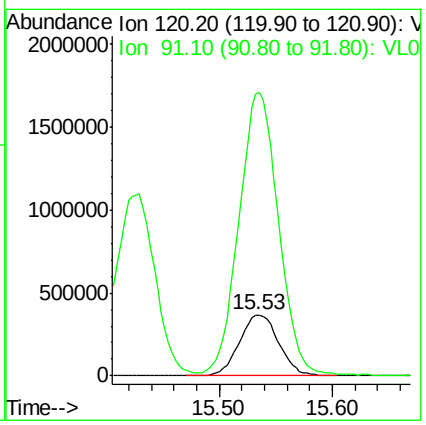


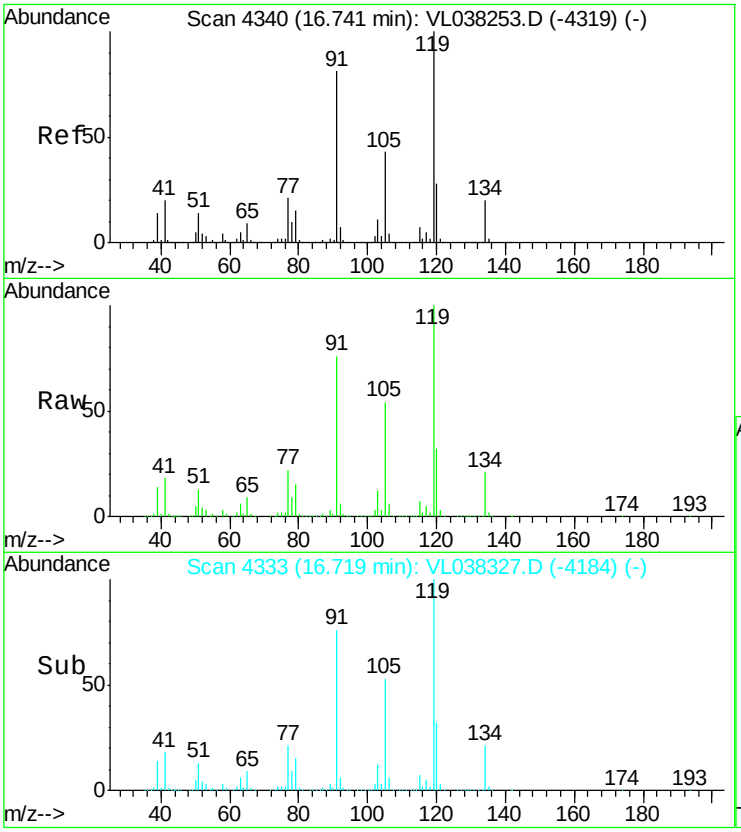


#64
n-propylbenzene
Concen: 7.944 ppbv
RT: 15.53 min Scan# 3964
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion:120 Resp: 892857

Ion	Ratio	Lower	Upper
120	100		
91	467.5	390.8	586.2



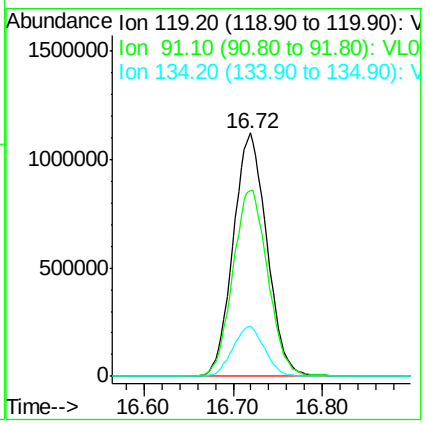


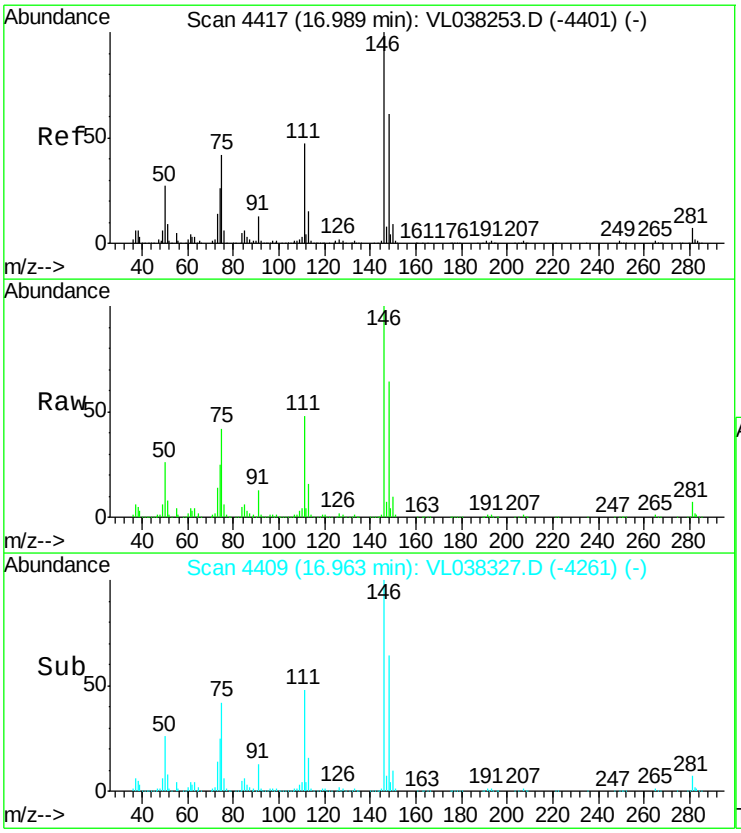
#65
tert-Butylbenzene
Concen: 7.622 ppbv
RT: 16.72
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 2933224

Ion	Ratio	Lower	Upper
119	100		
91	79.8	66.6	100.0
134	19.6	15.8	23.6

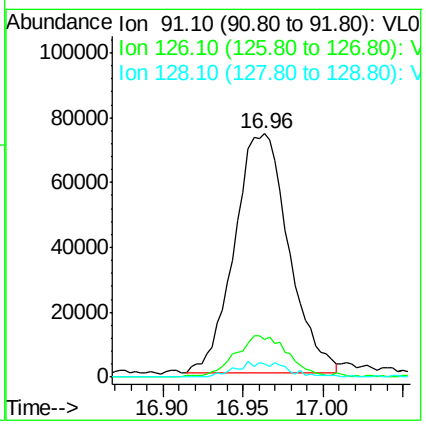


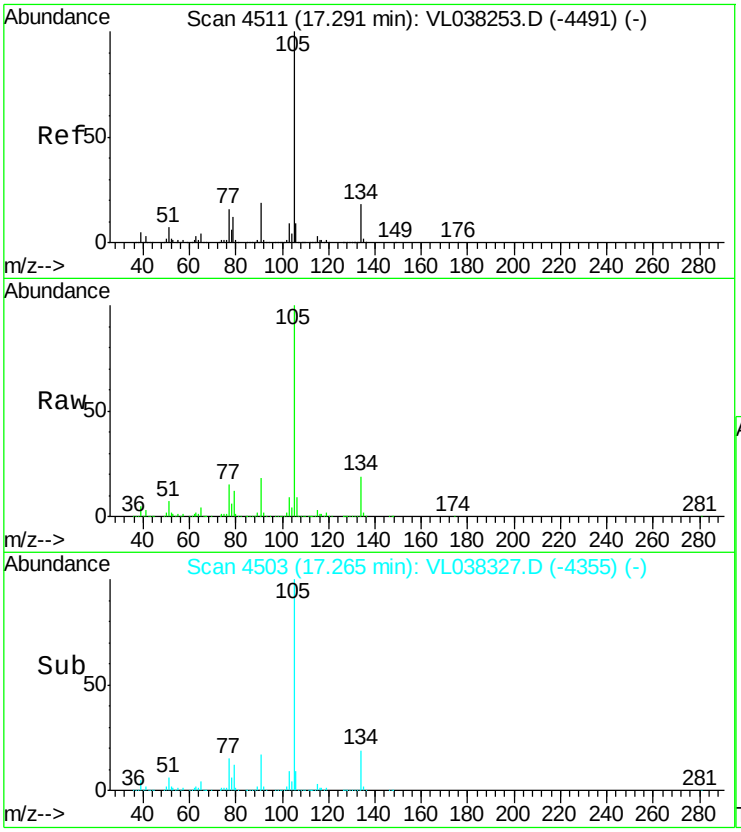


#66
Benzyl Chloride
Concen: 9.790 ppbv
RT: 16.96 min Scan# 4409
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 91 Resp: 171134

Ion	Ratio	Lower	Upper
91	100		
126	17.7	12.6	18.8
128	6.1	4.3	6.5



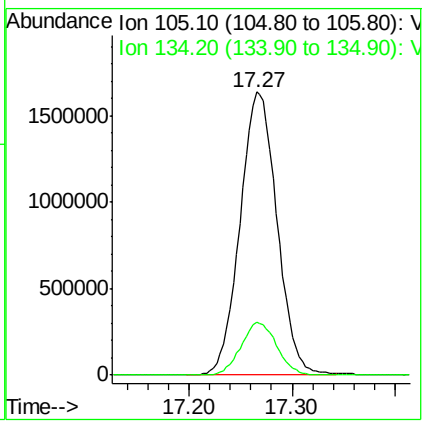


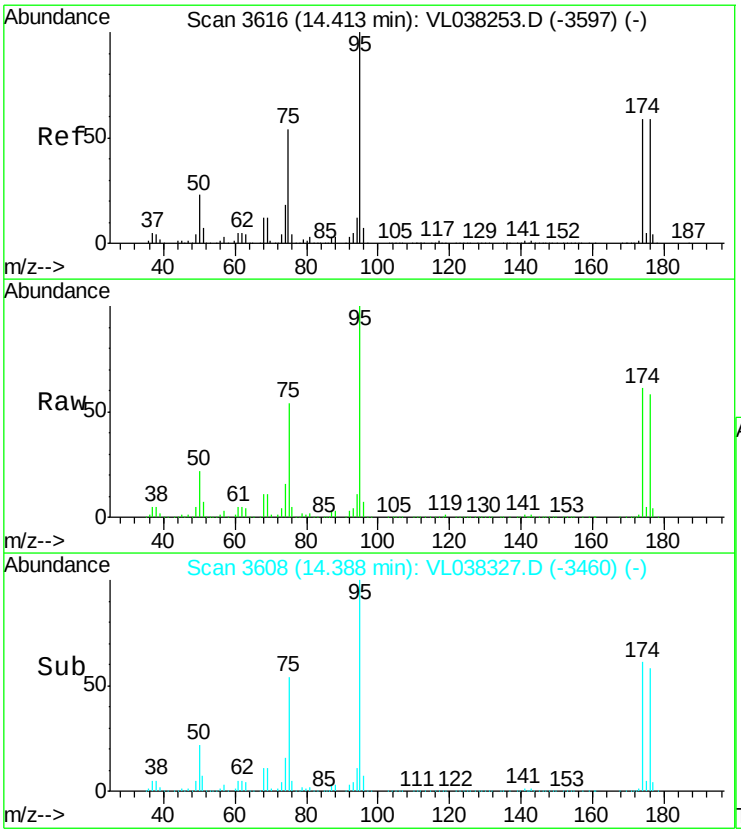
#67
sec-Butylbenzene
Concen: 7.594 ppbv
RT: 17.27
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 4065203

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.3	21.5

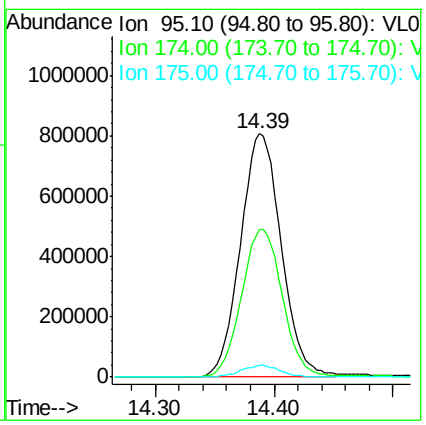


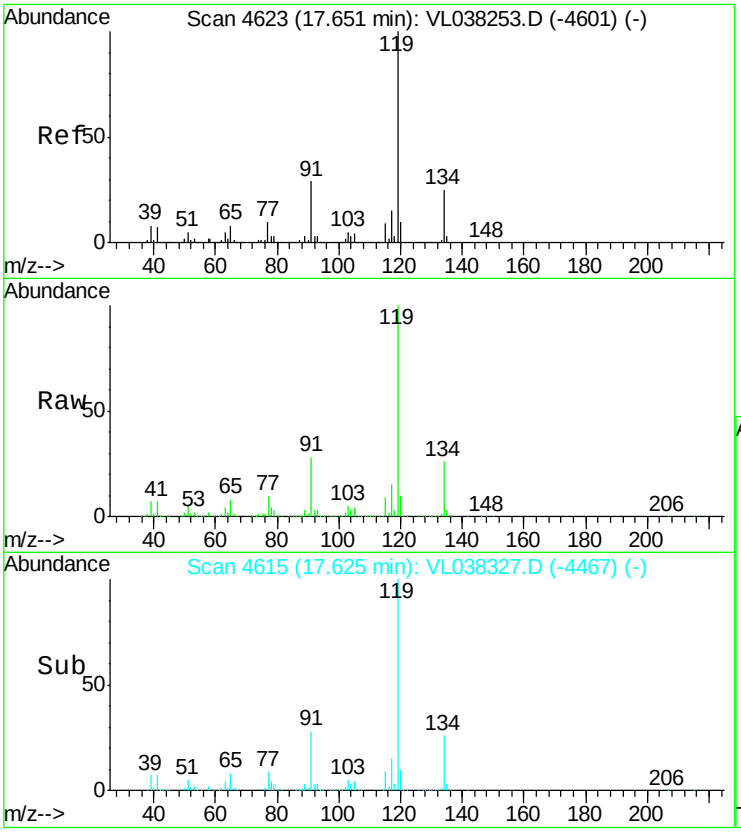


#68
1-Bromo-4-Fluorobenzene
Concen: 8.406 ppbv
RT: 14.39 min Scan# 3608
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 95 Resp: 1917309

Ion	Ratio	Lower	Upper
95	100		
174	61.9	48.3	72.5
175	4.7	3.5	5.3



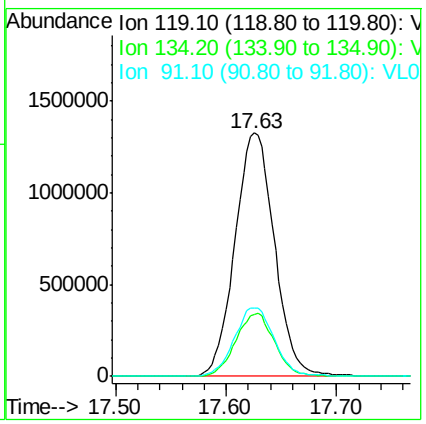


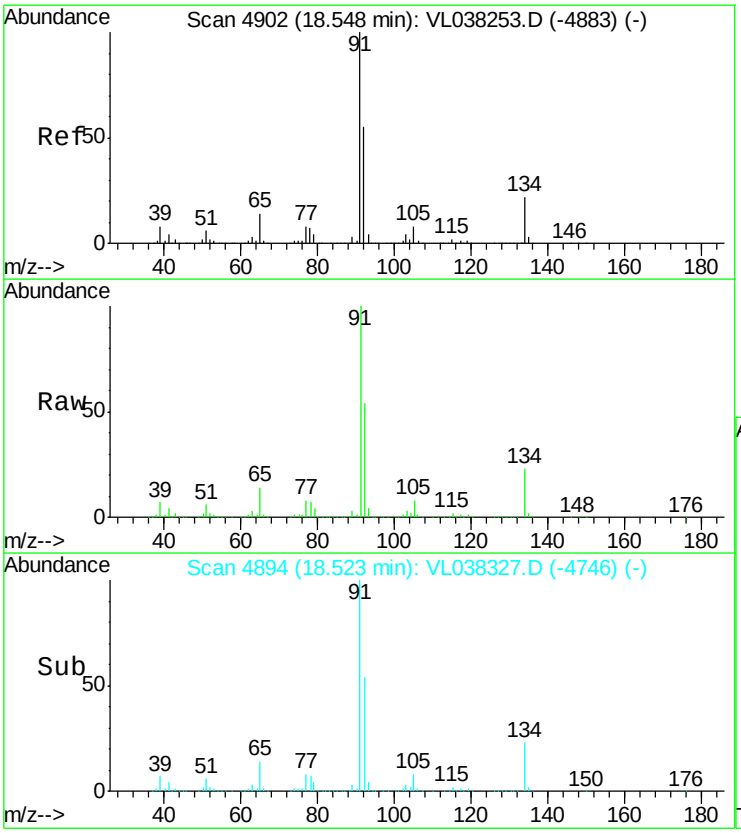
#69
p-Isopropyltoluene
Concen: 8.019 ppbv
RT: 17.63
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3285301

Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.2	30.2
91	28.6	23.2	34.8

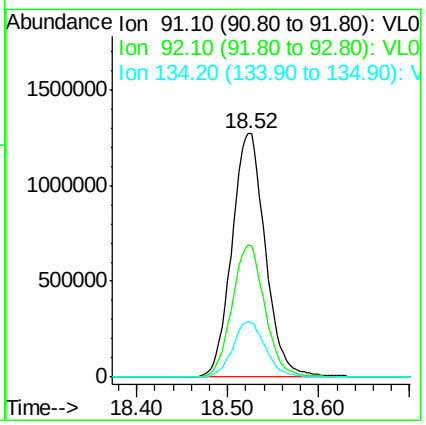


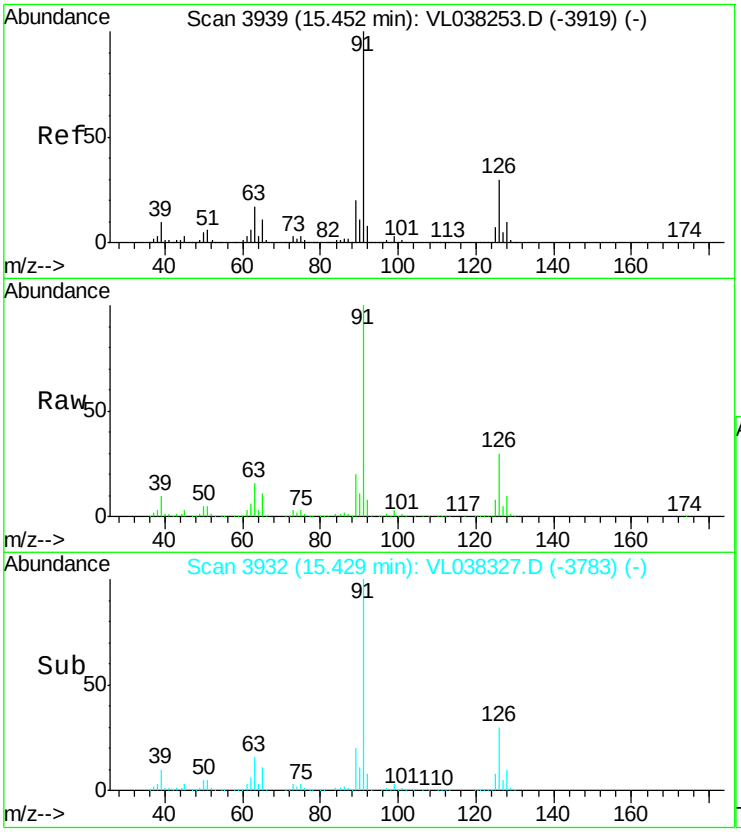


#70
n-Butylbenzene
Concen: 8.067 ppbv
RT: 18.52 min Scan# 4894
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion: 91 Resp: 3236750

Ion	Ratio	Lower	Upper
91	100		
92	53.5	43.4	65.0
134	22.5	17.3	25.9



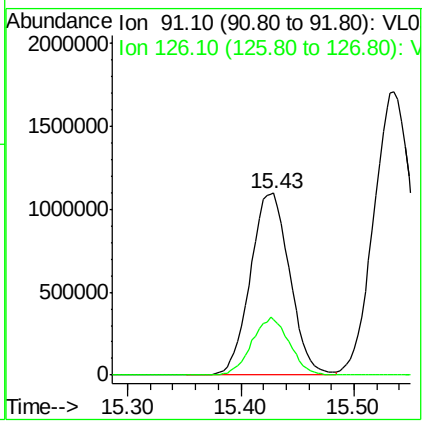


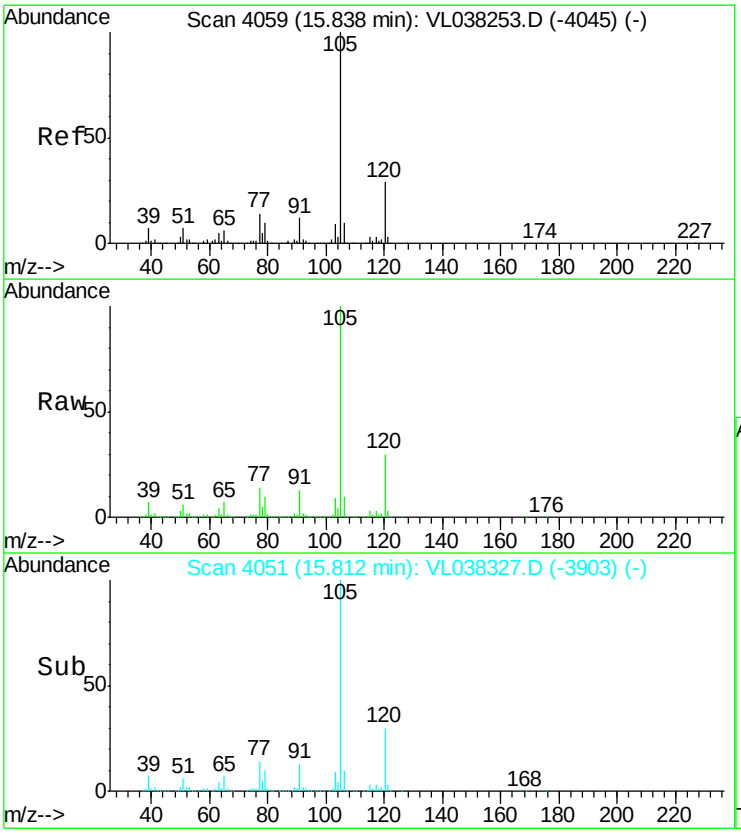
#71
2-Chlorotoluene
Concen: 7.645 ppbv
RT: 15.43
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2645478

Ion	Ratio	Lower	Upper
91	100		
126	30.5	12.1	48.5

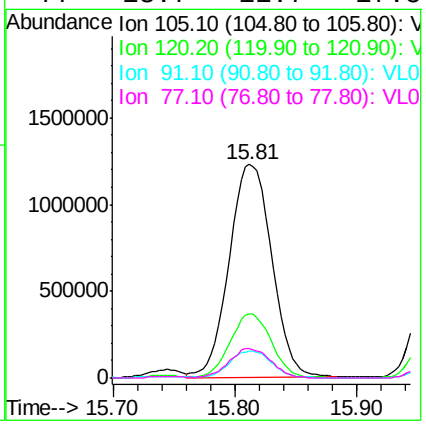


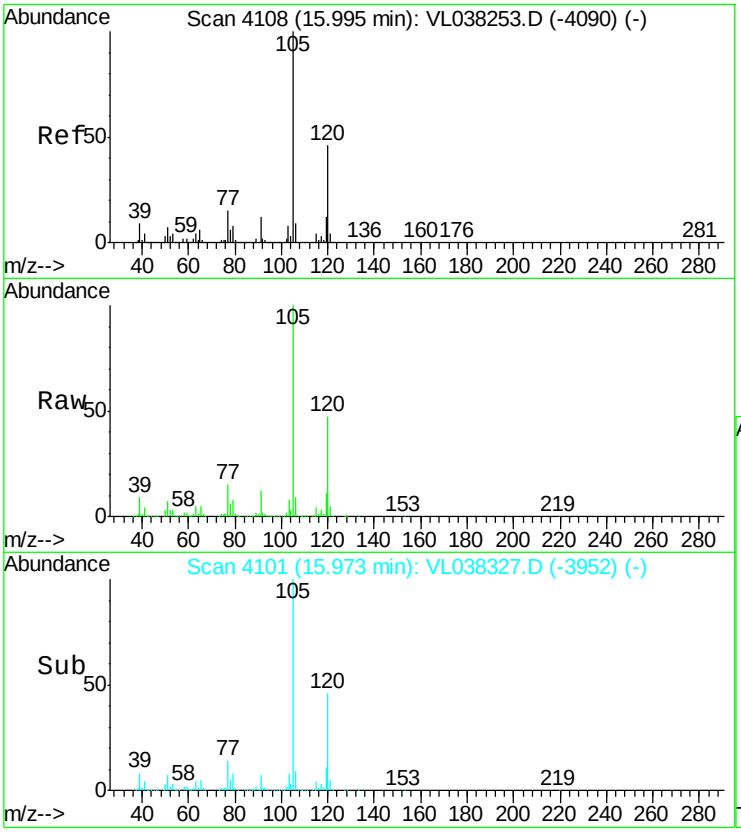


#72
4-Ethyltoluene
Concen: 8.072 ppbv
RT: 15.81 min Scan# 4051
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion:105 Resp: 2958545

Ion	Ratio	Lower	Upper
105	100		
120	29.6	23.8	35.8
91	12.6	10.2	15.4
77	13.7	11.7	17.5



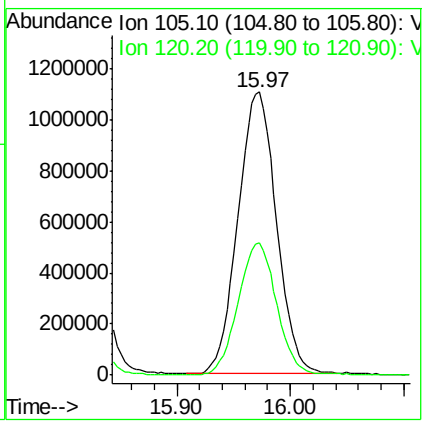


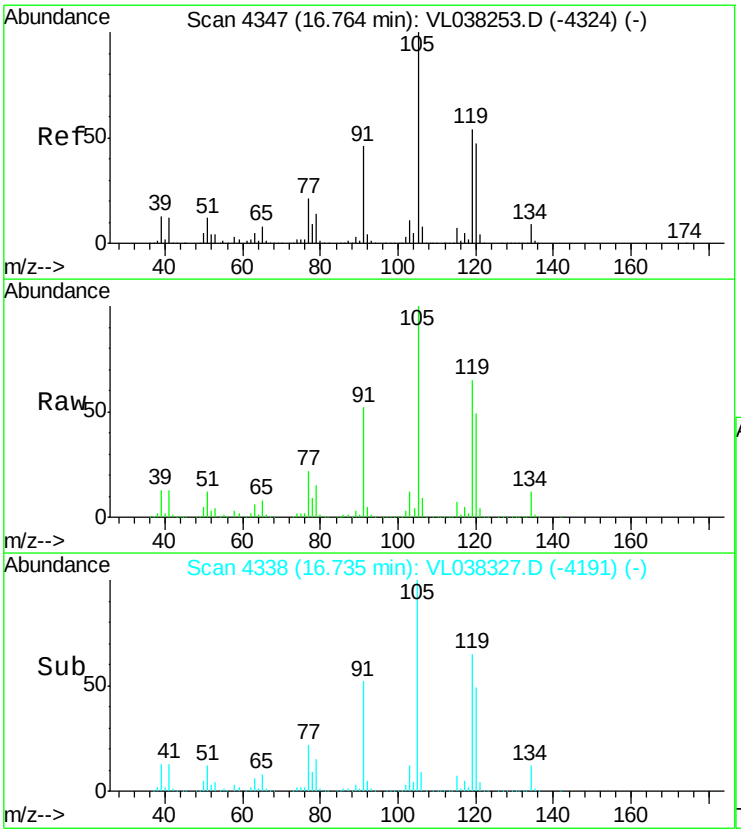
#73
1,3,5-Trimethylbenzene
Concen: 7.925 ppbv
RT: 15.97
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 2611875

Ion	Ratio	Lower	Upper
105	100		
120	46.8	36.6	55.0

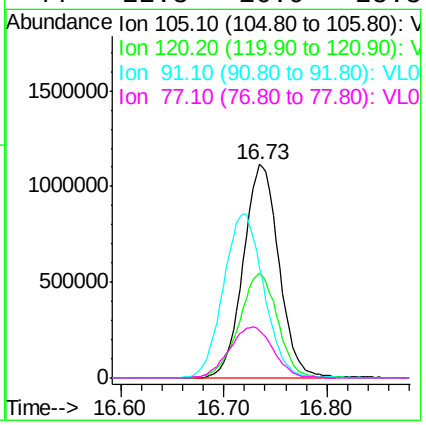


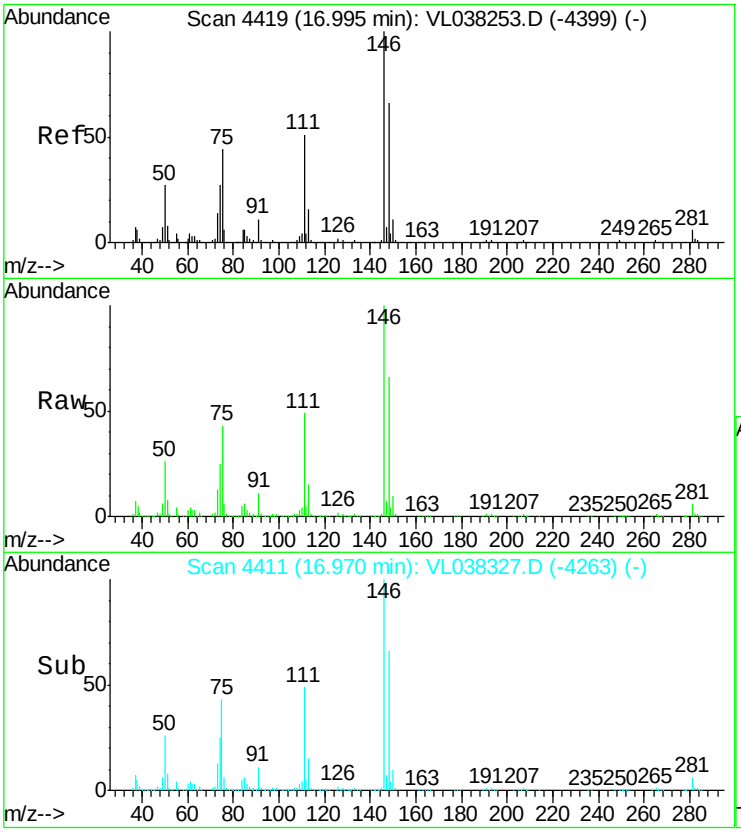


#74
1,2,4-Trimethylbenzene
Concen: 7.686 ppbv
RT: 16.73 min Scan# 4338
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion:105 Resp: 2668777

Ion	Ratio	Lower	Upper
105	100		
120	48.9	37.2	55.8
91	51.2	36.6	55.0
77	22.3	16.9	25.3



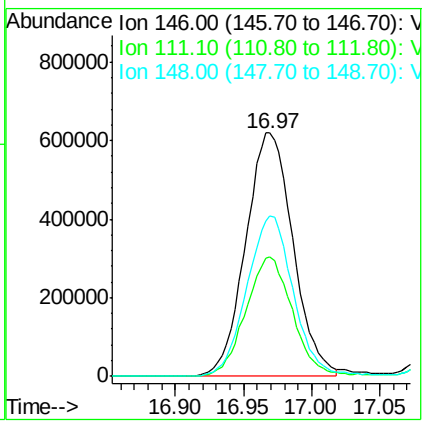


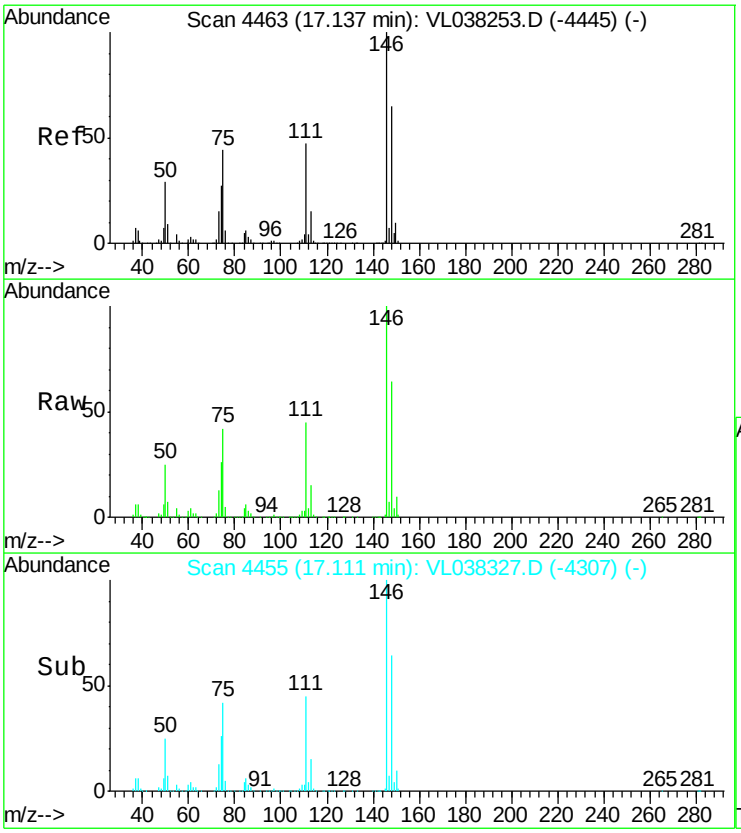
#75
1,3-Dichlorobenzene
Concen: 8.013 ppbv
RT: 16.97
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1493175

Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.1	72.4
148	65.0	32.1	96.5

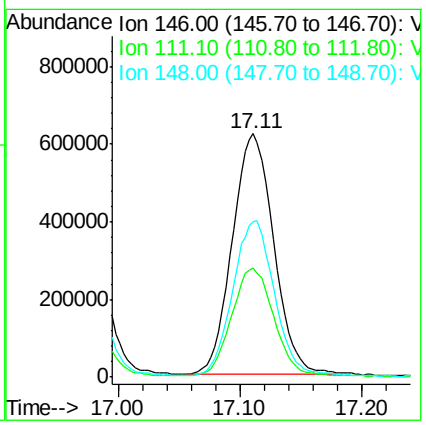


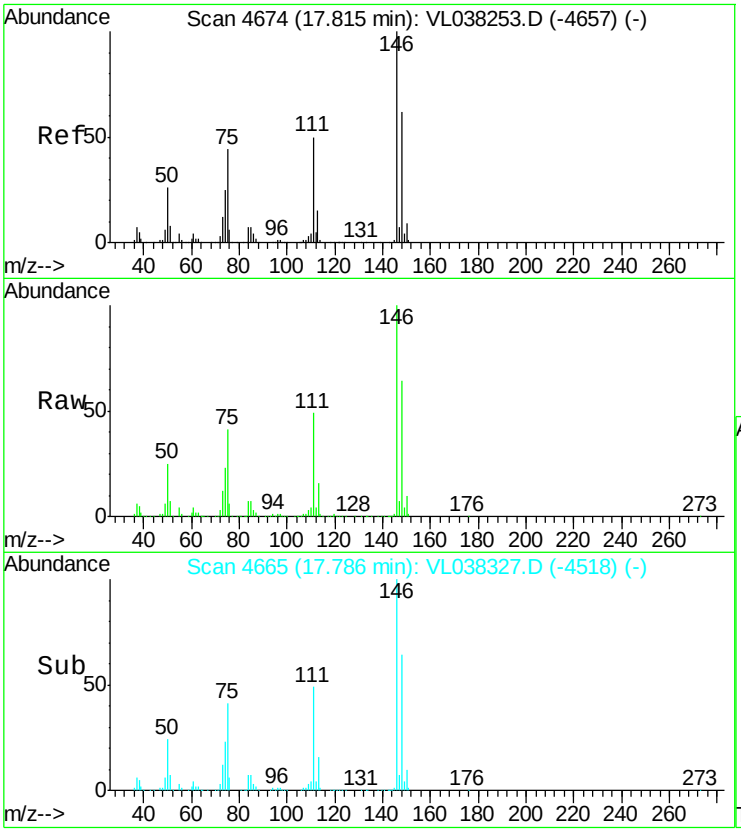


#76
1,4-Dichlorobenzene
Concen: 8.112 ppbv
RT: 17.11 min Scan# 4455
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion:146 Resp: 1463454

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.2	69.6
148	66.3	32.4	97.0



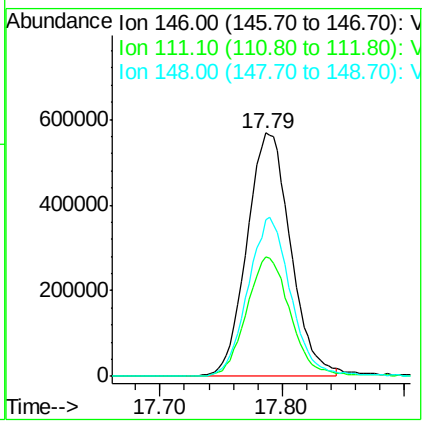


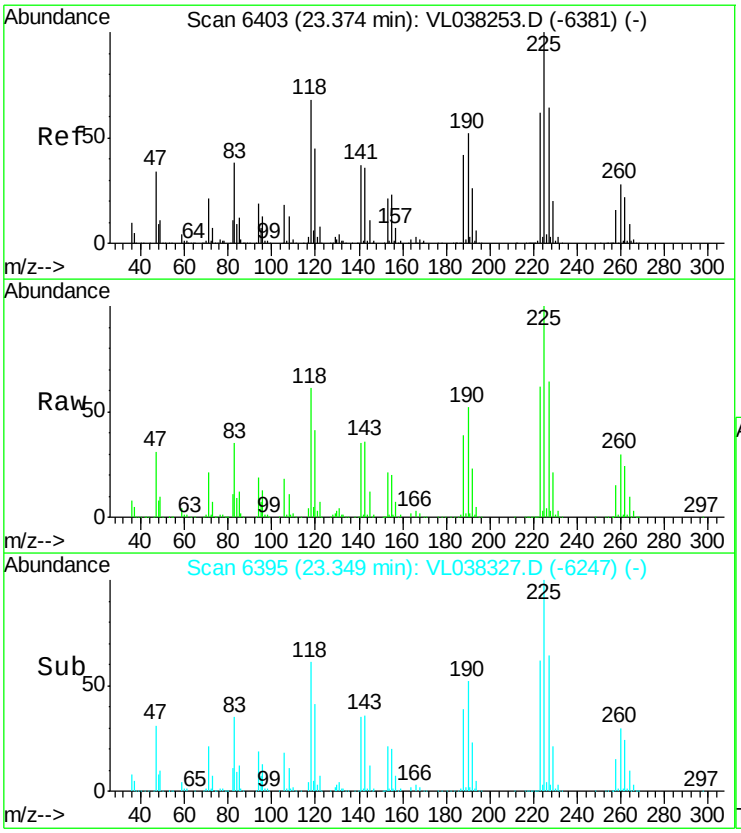
#77
1,2-Dichlorobenzene
Concen: 8.096 ppbv
RT: 17.79
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1401149

Ion	Ratio	Lower	Upper
146	100		
111	49.9	25.2	75.6
148	64.1	32.6	97.8

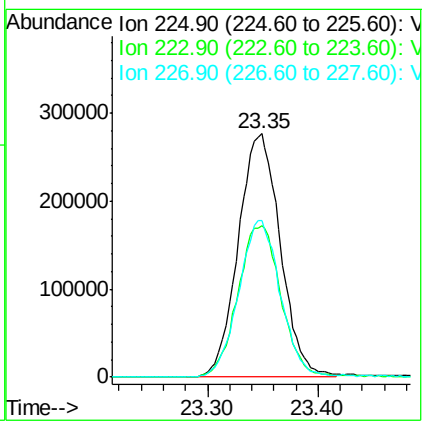


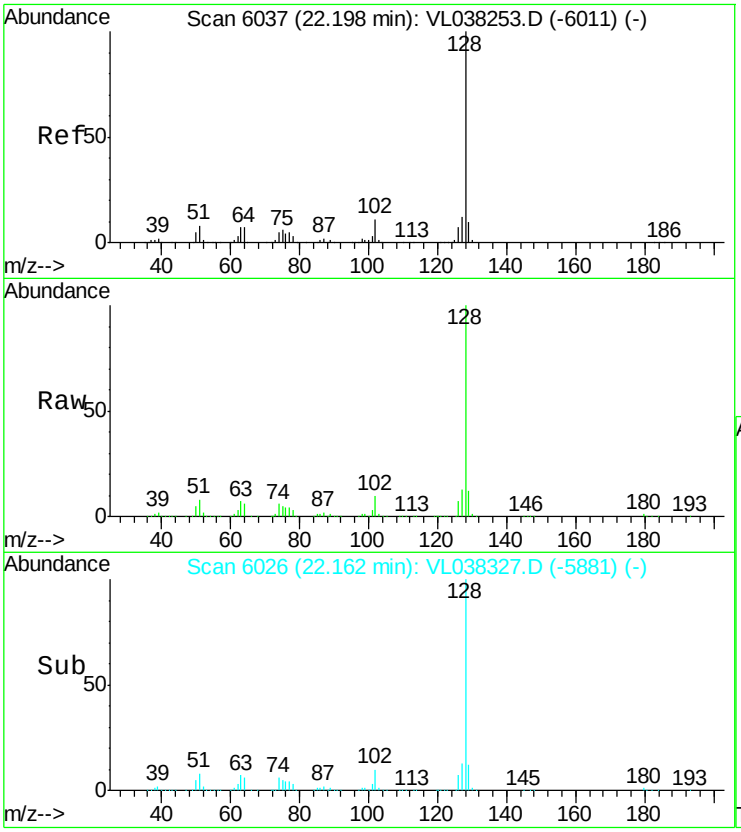


#78
Hexachloro-1,3-Butadiene
Concen: 6.078 ppbv
RT: 23.35 min Scan# 6395
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion:225 Resp: 731389

Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.7	77.5
227	64.4	51.4	77.0



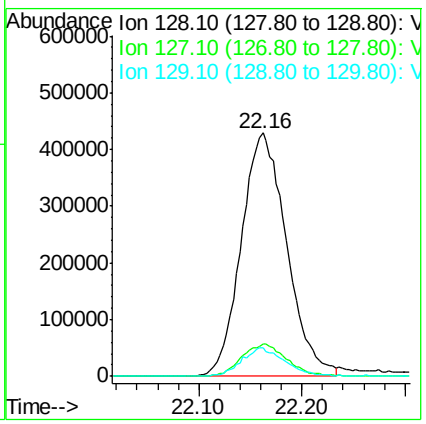


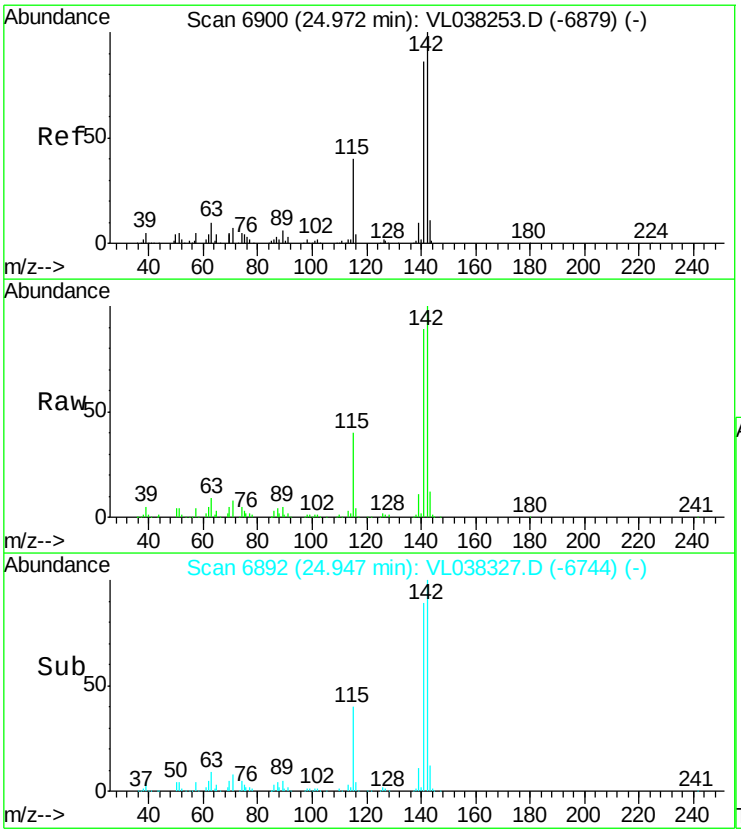
#79
Naphthalene
Concen: 8.086 ppbv
RT: 22.16
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 1312728

Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.7	14.5
129	11.6	8.1	12.1

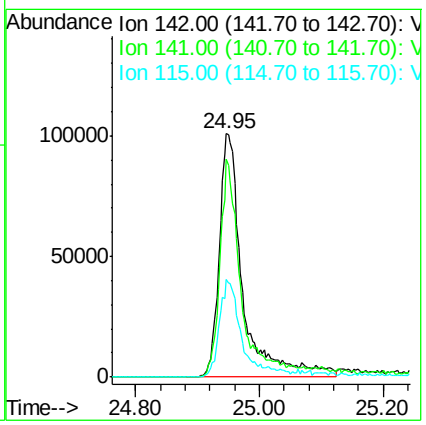


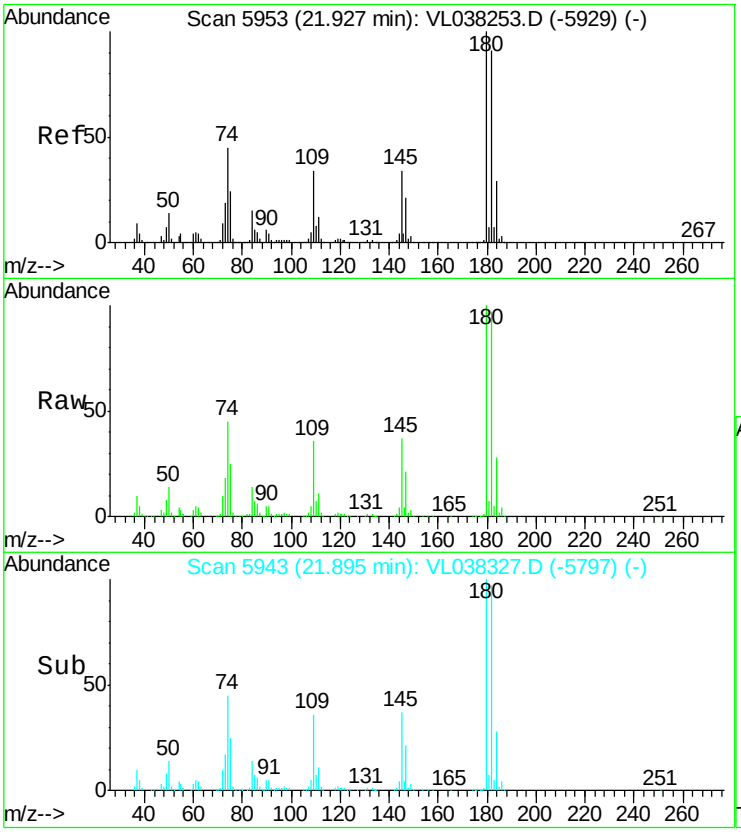


#80
Naphthalene,2-methyl-
Concen: 15.149 ppbv
RT: 24.95 min Scan# 6892
Delta R.T. -0.03 min
Lab File: VL038327.D
Acq: 3 Feb 2022 9:20

Tgt Ion:142 Resp: 267466

Ion	Ratio	Lower	Upper
142	100		
141	85.3	70.2	105.4
115	39.5	31.8	47.6





#81
1,2,4-Trichlorobenzene
Concen: 7.506 ppbv
RT: 21.90
Delta R.T
Lab File:
Acq: 3 Feb 2022 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 716695

Ion	Ratio	Lower	Upper
180	100		
182	97.9	77.7	116.5
184	30.3	24.4	36.6