Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030922\
Data File : VL038577.D
Acq On : 9 Mar 2022 15:48
Operator : SY/AP
Sample : N1813-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Quant Time: Mar 10 00:32:21 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 08 21:18:44 2022
QLast Update : Tue Mar 08 21:18:44 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	781756	10.00	ppbv		0.02
33) 1,4-Difluorobenzene	7.18	114	2001978	10.00	ppbv		0.02
55) Chlorobenzene-d5	12.09	117	1721678	10.00	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	1316554	10.06	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	27000	0.23	ppbv		100
3) Chlorodifluoromethane	3.00	51	147113	1.07	ppbv		97
4) Chloromethane	3.15	50	37172	0.73	ppbv		99
9) Propene	3.03	41	24199	0.50	ppbv	#	76
11) Trichlorofluoromethane	3.96	101	24826	0.24	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	6502	0.08	ppbv		98
13) Ethanol	3.62	45	100452	17.98	ppbv		96
15) Acetone	3.86	43	263956	4.79	ppbv		97
19) Isopropyl Alcohol	4.00	45	15147	0.41	ppbv	#	92
20) Methylene Chloride	4.36	84	184667	5.56	ppbv		99
23) Vinyl Acetate	5.07	43	18992	0.24	ppbv	#	82
25) Ethyl Acetate	5.70	43	208687	1.12	ppbv	#	78
26) Hexane	5.69	57	279409	3.20	ppbv	#	44
29) Chloroform	5.75	83	4824	0.04	ppbv		100
34) 2-Butanone	5.26	43	12866	0.25	ppbv	#	35
35) Carbon Tetrachloride	7.02	117	9933	0.07	ppbv		88
36) Benzene	6.90	78	21936	0.12	ppbv	#	73
39) 1,2-Dichloropropane	7.18	63	467734	6.73	ppbv	#	27
41) Tetrahydrofuran	5.69	42	108757	2.56	ppbv	#	50
53) Toluene	9.81	91	83821	0.43	ppbv		99
74) 1,2,4-Trimethylbenzene	16.77	105	8577	0.04	ppbv	#	79

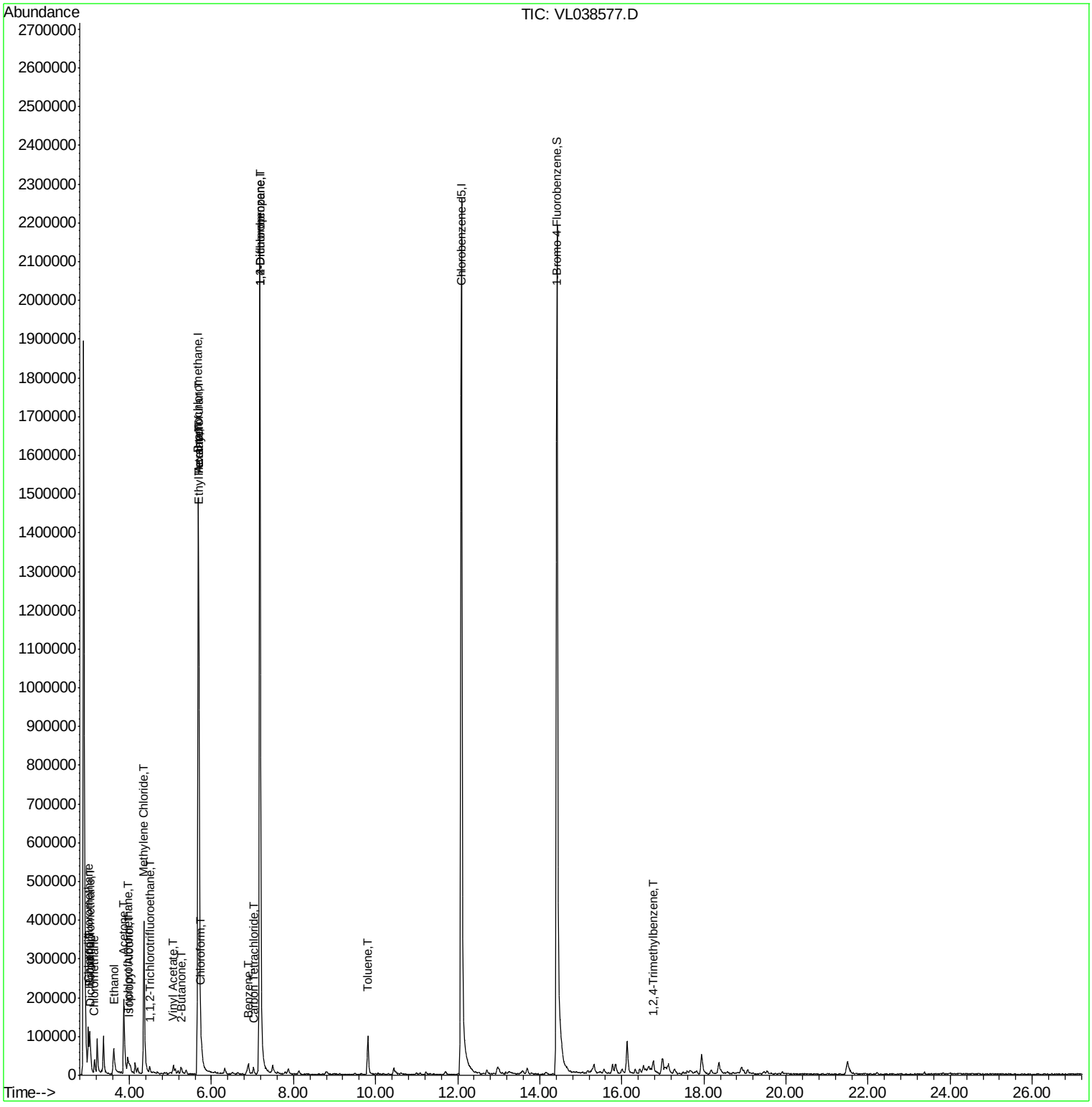
(#) = qualifier out of range (m) = manual integration (+) = signals summed

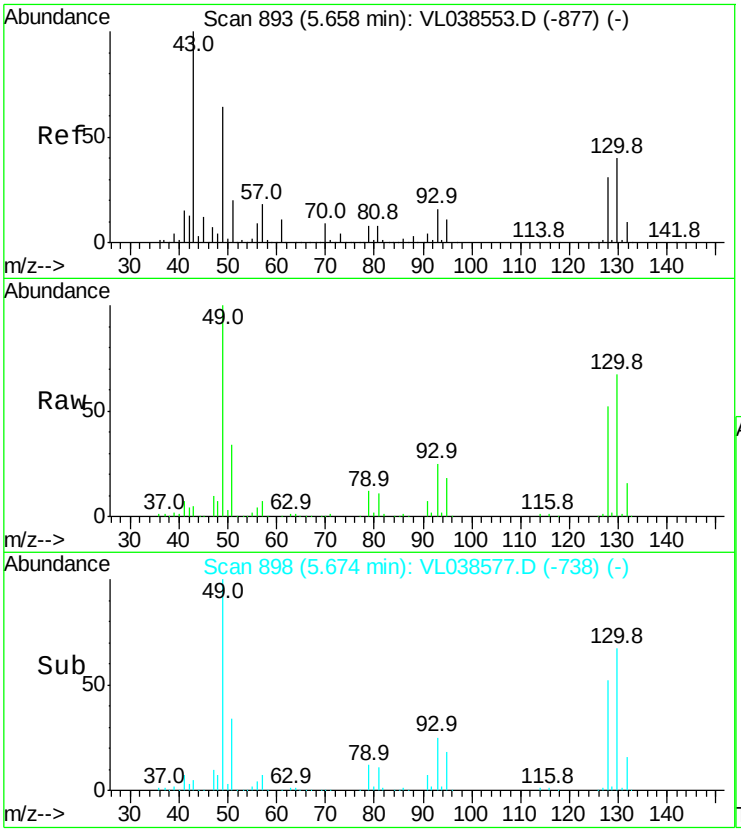
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030922\
Data File : VL038577.D
Acq On : 9 Mar 2022 15:48
Operator : SY/AP
Sample : N1813-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Quant Time: Mar 10 00:32:21 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 08 21:18:44 2022
QLast Update : Tue Mar 08 21:18:44 2022
Response via : Initial Calibration



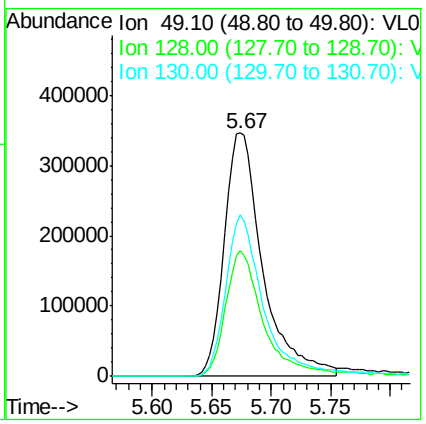


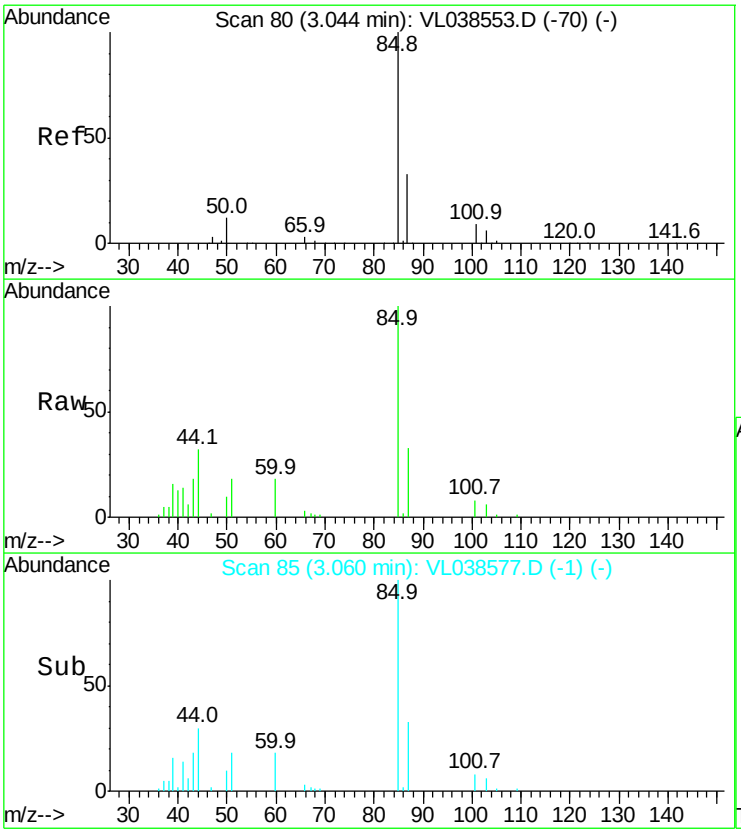
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 9 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion: 49 Resp: 781756

Ion	Ratio	Lower	Upper
49	100		
128	52.2	26.4	79.2
130	67.5	33.0	98.9

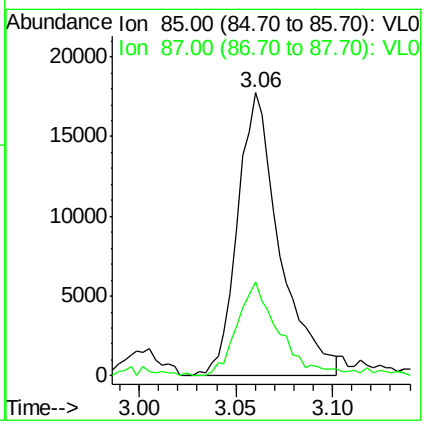


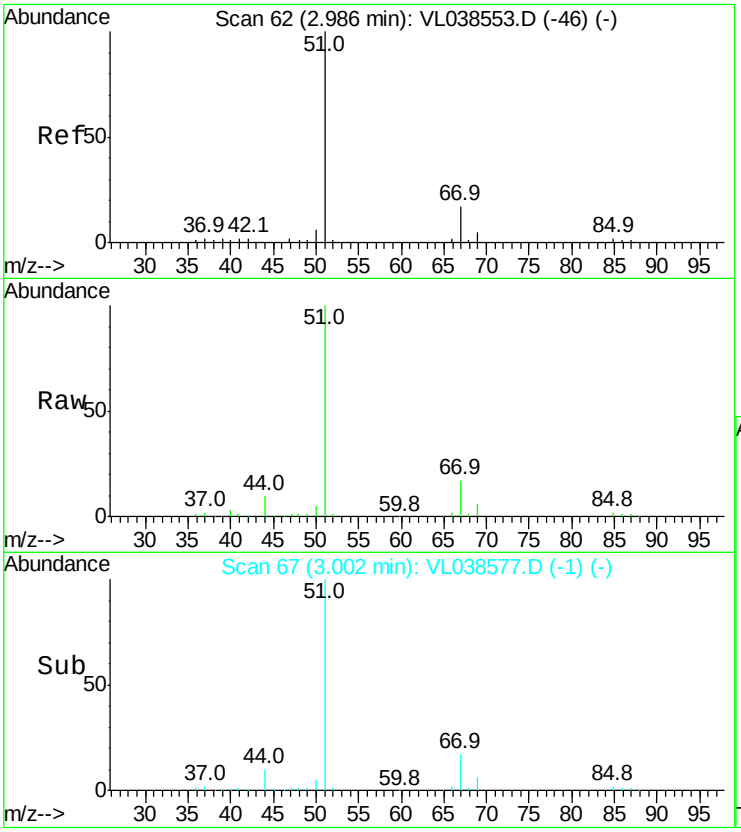


#2
Dichlorodifluoromethane
Concen: 0.23 ppbv
RT: 3.06 min Scan# 85
Delta R.T. 0.02 min
Lab File: VL038577.D
Acq: 9 Mar 2022 15:48

Tgt Ion: 85 Resp: 27000

Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.2	39.2



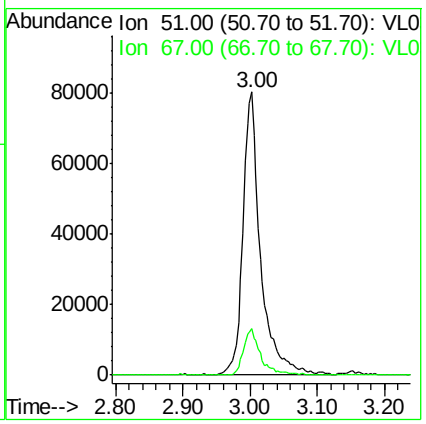


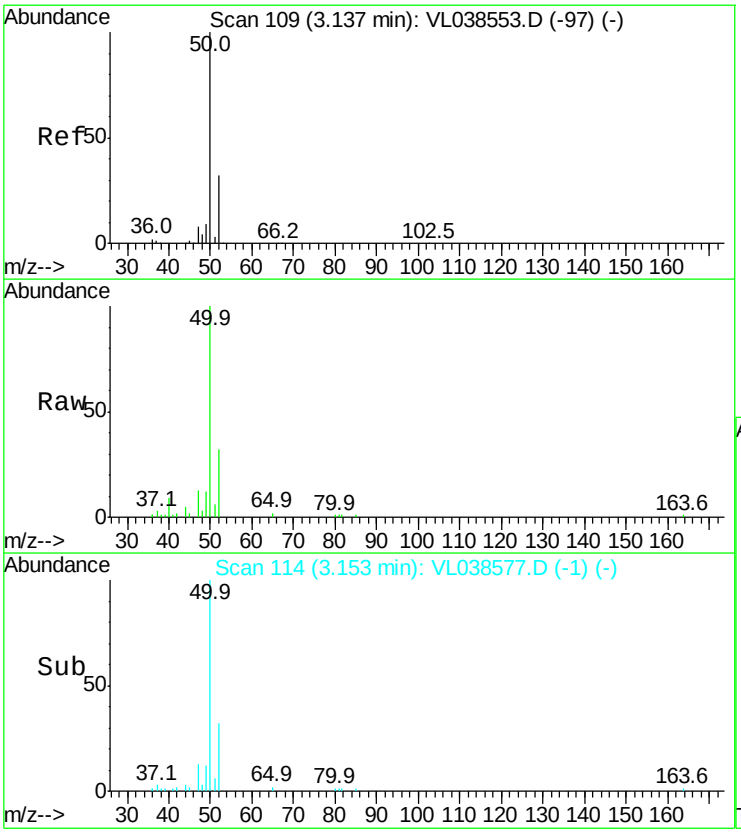
#3
Chlorodifluoromethane
Concen: 1.07 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 9 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion: 51 Resp: 147113

Ion	Ratio	Lower	Upper
51	100		
67	15.9	13.6	20.4

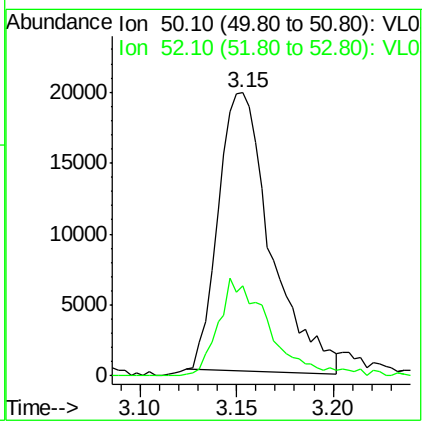


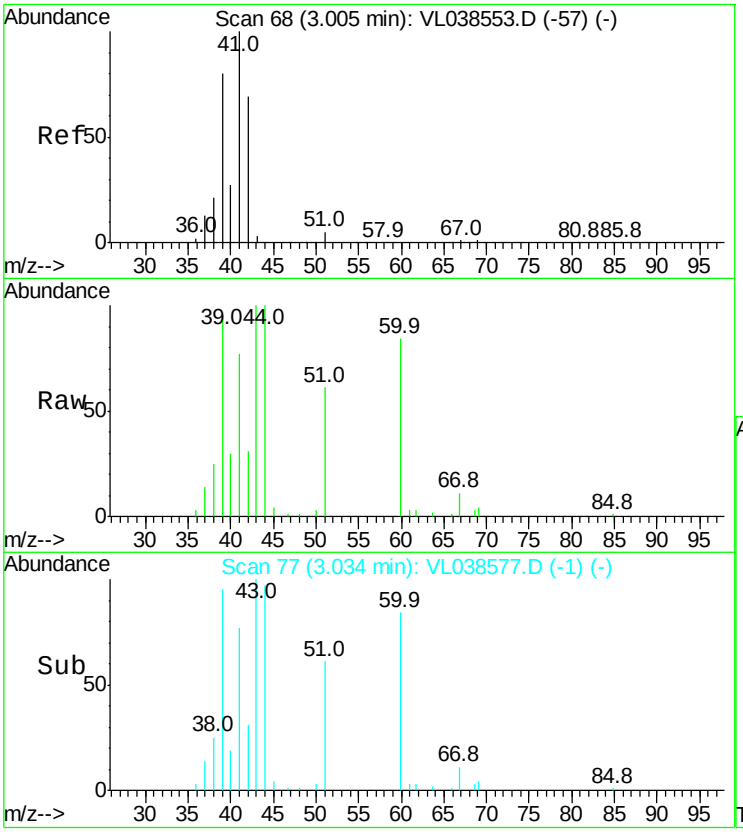


#4
Chloromethane
Concen: 0.73 ppbv
RT: 3.15 min Scan# 114
Delta R.T. 0.02 min
Lab File: VL038577.D
Acq: 9 Mar 2022 15:48

Tgt Ion: 50 Resp: 37172

Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.6	38.4



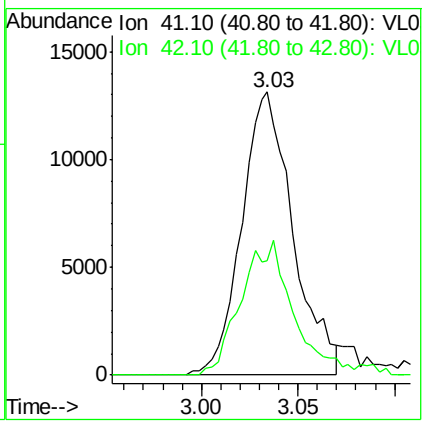


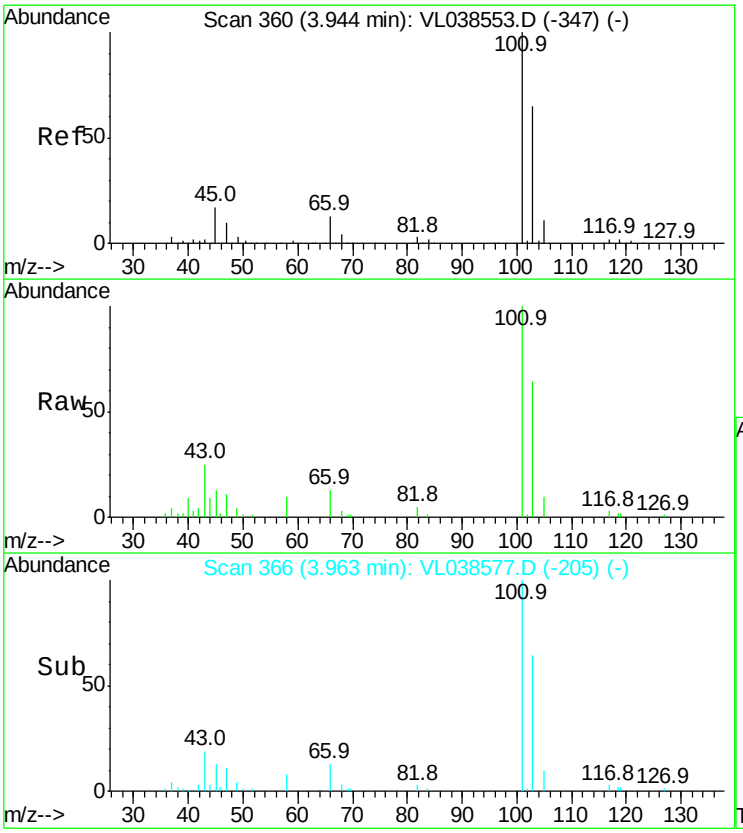
#9
Propene
Concen: 0.50 ppbv
RT: 3.03
Delta R.T
Lab File:
Acq: 9 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion: 41 Resp: 24199

Ion	Ratio	Lower	Upper
41	100		
42	49.8	55.7	83.5#

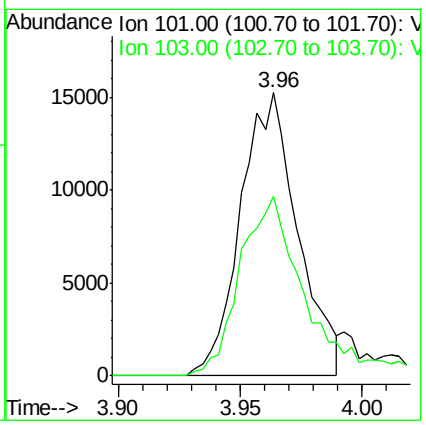


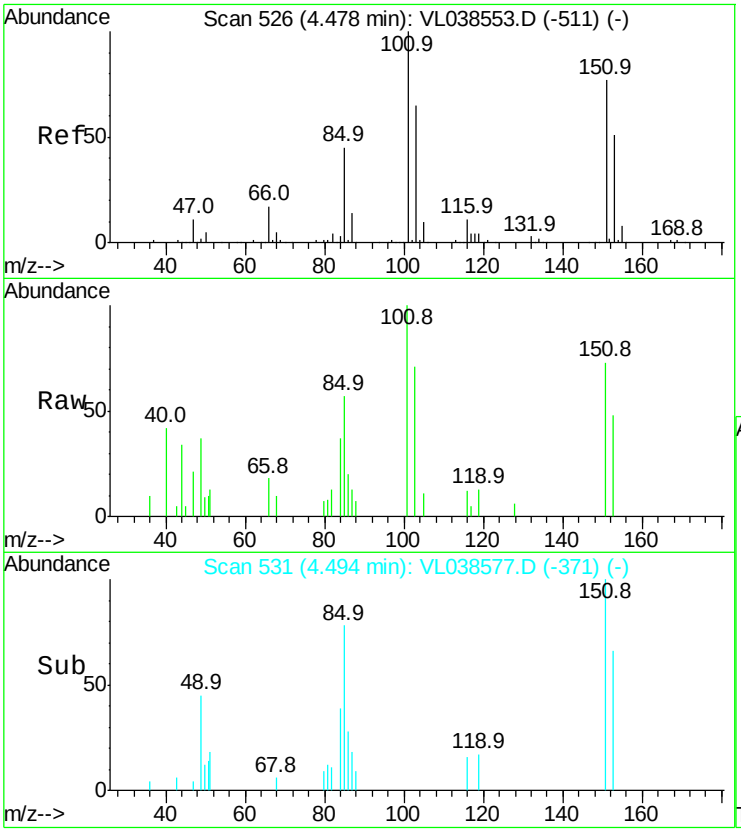


#11
Trichlorofluoromethane
Concen: 0.24 ppbv
RT: 3.96 min Scan# 366
Delta R.T. 0.02 min
Lab File: VL038577.D
Acq: 9 Mar 2022 15:48

Tgt Ion:101 Resp: 24826

Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.0	78.0



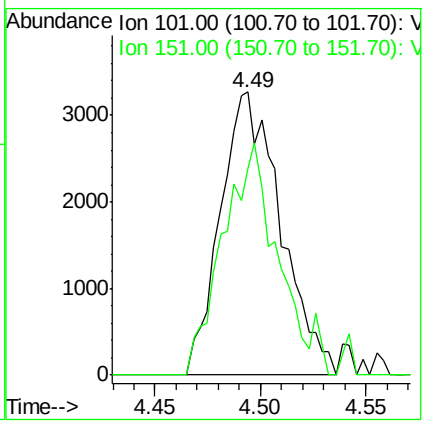


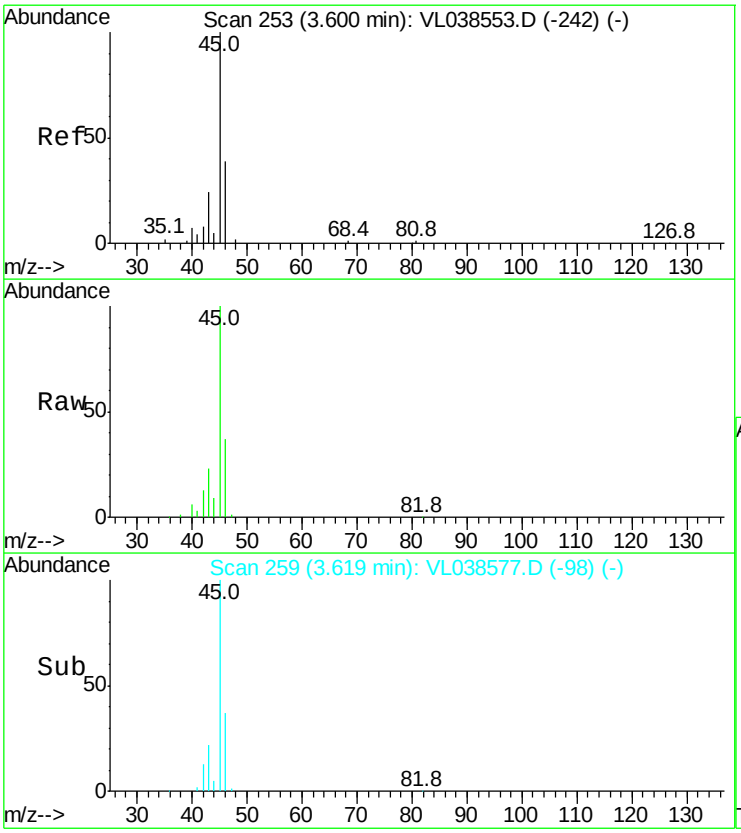
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.08 ppbv
RT: 4.49
Delta R.T
Lab File:
Acq: 9 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion:101 Resp: 6502

Ion	Ratio	Lower	Upper
101	100		
151	77.6	63.4	95.0

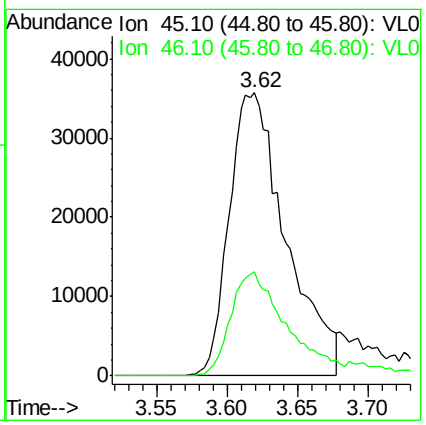


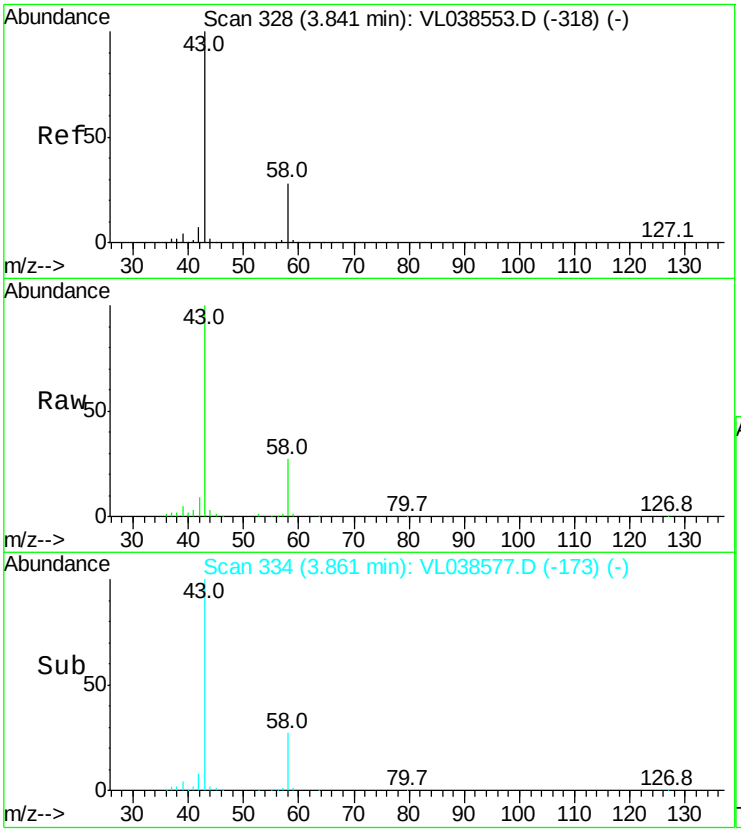


#13
Ethanol
Concen: 17.98 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL038577.D
Acq: 9 Mar 2022 15:48

Tgt Ion: 45 Resp: 100452

Ion	Ratio	Lower	Upper
45	100		
46	39.4	16.8	67.0



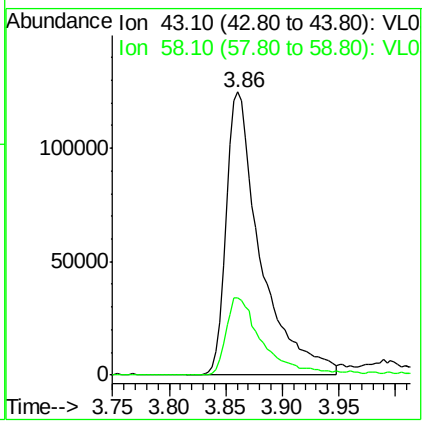


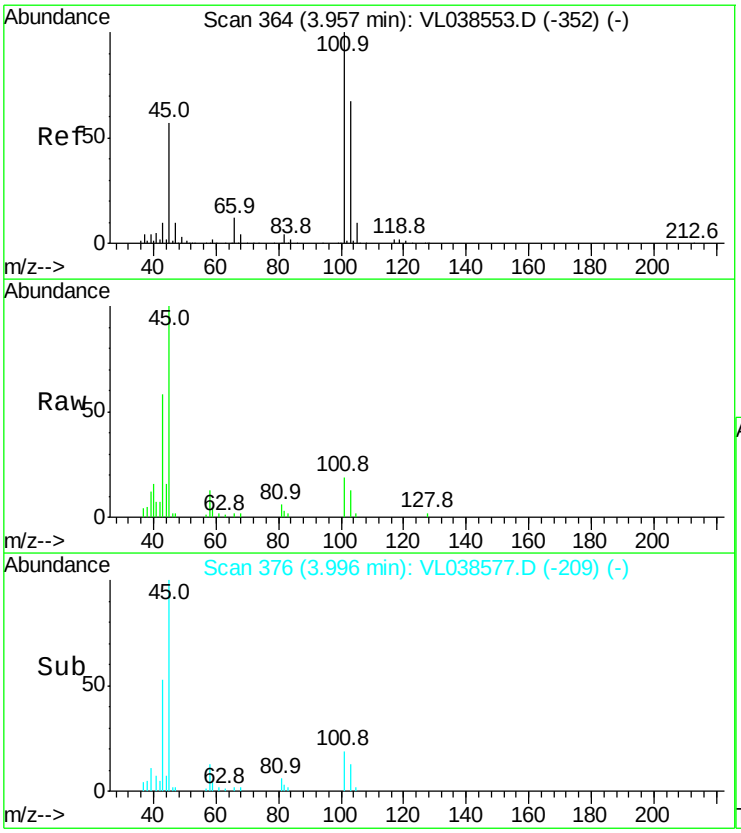
#15
Acetone
Concen: 4.79 ppbv
RT: 3.86
Delta R.T
Lab File:
Acq: 9 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion: 43 Resp: 263956

Ion	Ratio	Lower	Upper
43	100		
58	30.0	22.7	34.1

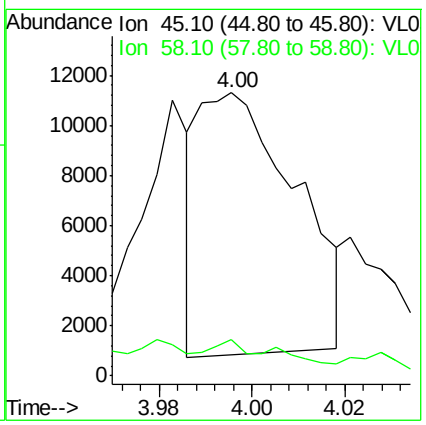


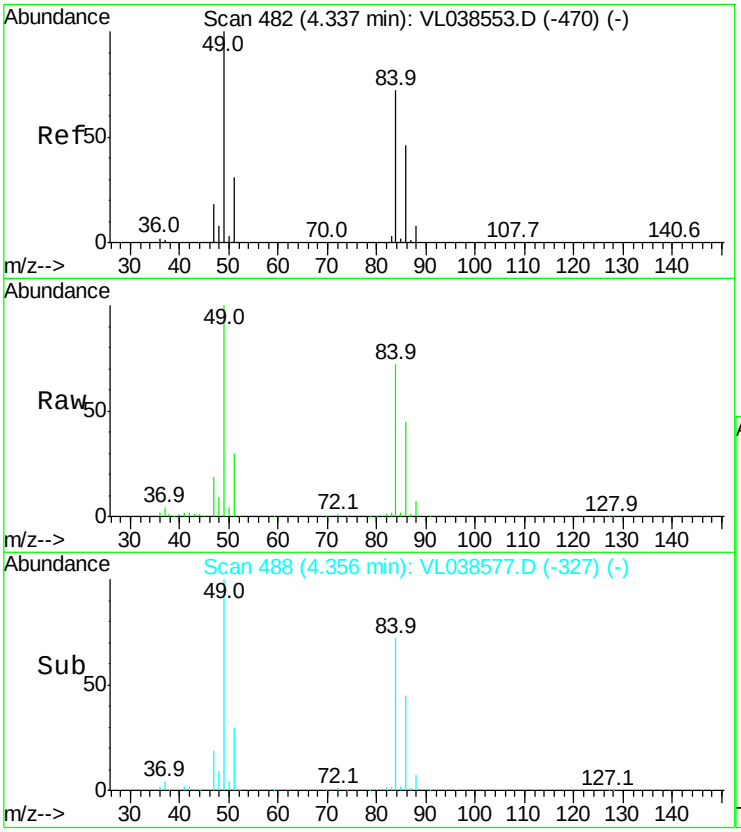


#19
Isopropyl Alcohol
Concen: 0.41 ppbv
RT: 4.00 min Scan# 376
Delta R.T. 0.04 min
Lab File: VL038577.D
Acq: 9 Mar 2022 15:48

Tgt Ion: 45 Resp: 15147

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.2	3.2#



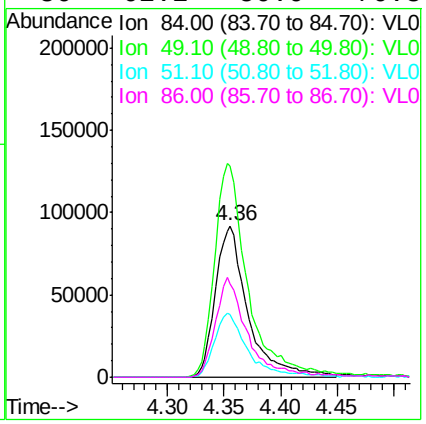


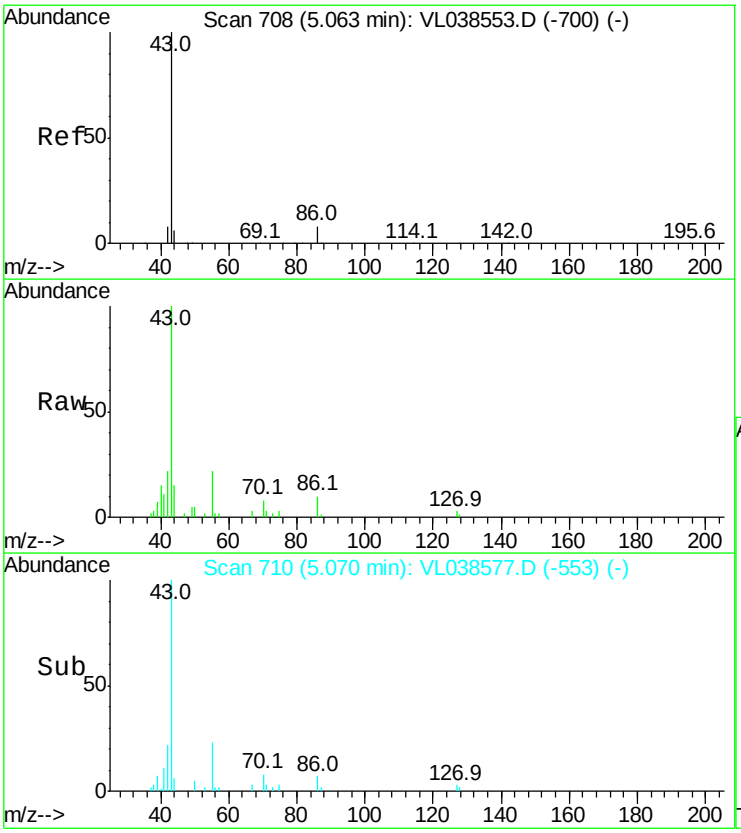
#20
Methylene Chloride
Concen: 5.56 ppbv
RT: 4.36
Delta R.T
Lab File:
Acq: 9 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion: 84 Resp: 184667

Ion	Ratio	Lower	Upper
84	100		
49	139.5	111.1	166.7
51	41.3	34.0	51.0
86	62.2	50.9	76.3

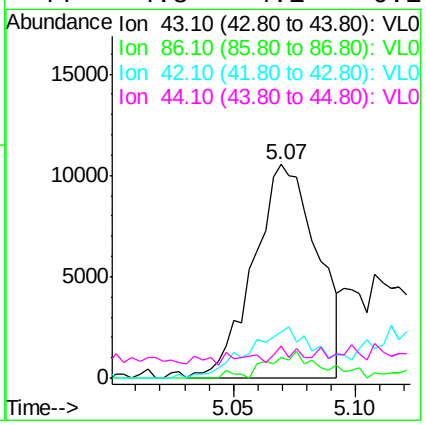


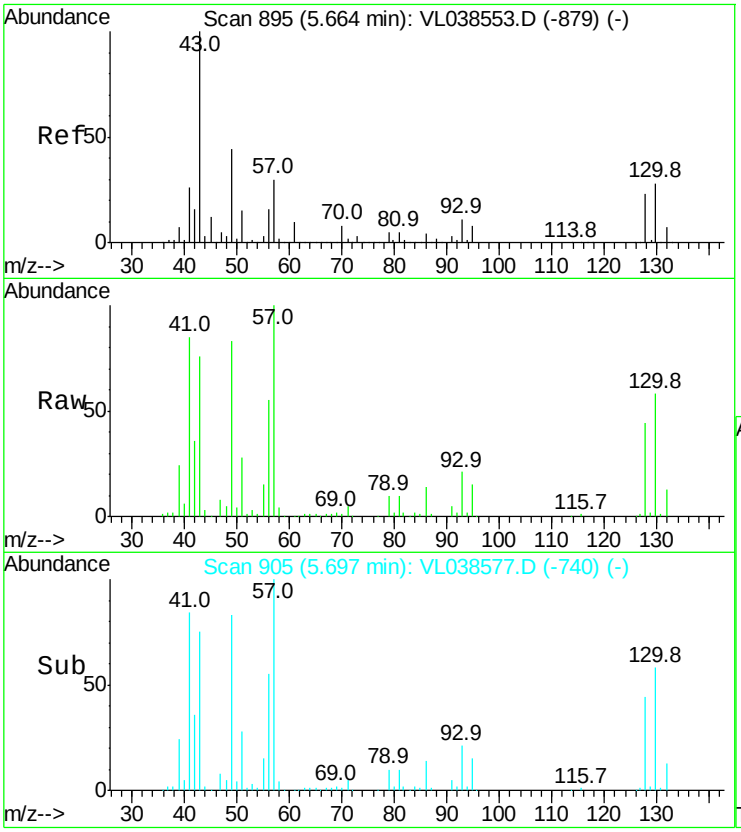


#23
Vinyl Acetate
Concen: 0.24 ppbv
RT: 5.07 min Scan# 710
Delta R.T. 0.01 min
Lab File: VL038577.D
Acq: 9 Mar 2022 15:48

Tgt Ion: 43 Resp: 18992

Ion	Ratio	Lower	Upper
43	100		
86	9.8	5.6	8.4#
42	21.9	7.1	10.7#
44	4.8	4.1	6.1



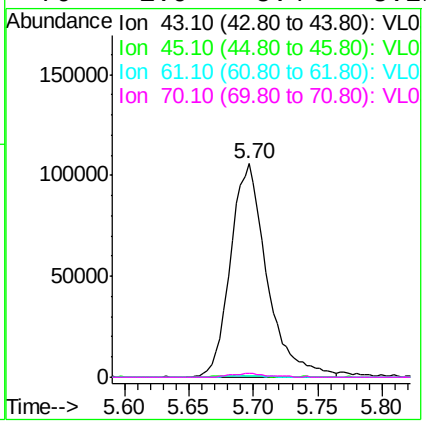


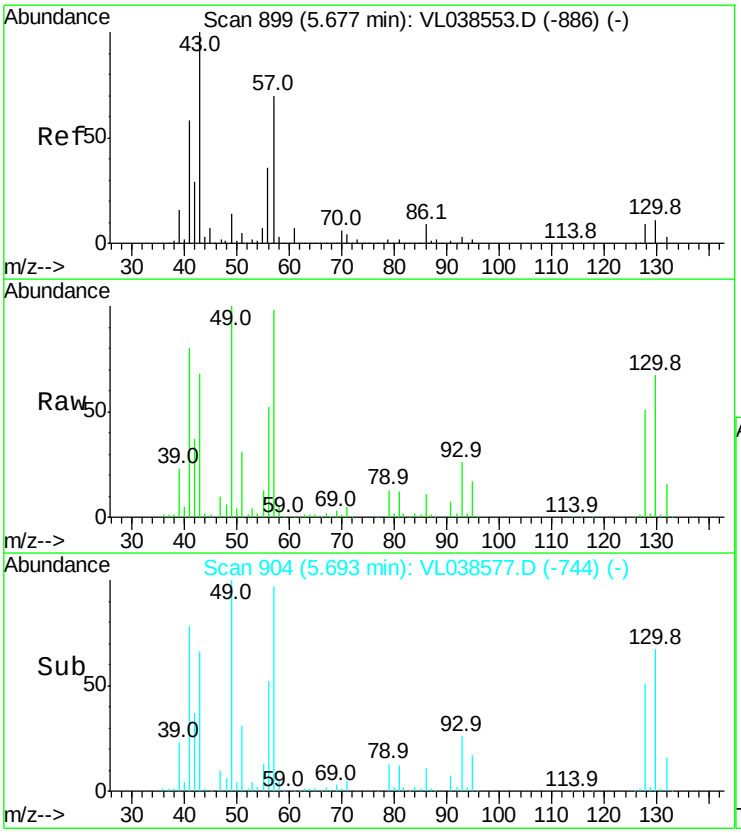
#25
Ethyl Acetate
Concen: 1.12 ppbv
RT: 5.70
Delta R.T
Lab File:
Acq: 9 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion: 43 Resp: 208687

Ion	Ratio	Lower	Upper
43	100		
45	1.1	8.0	12.0#
61	0.7	8.2	12.4#
70	1.9	5.4	8.2#

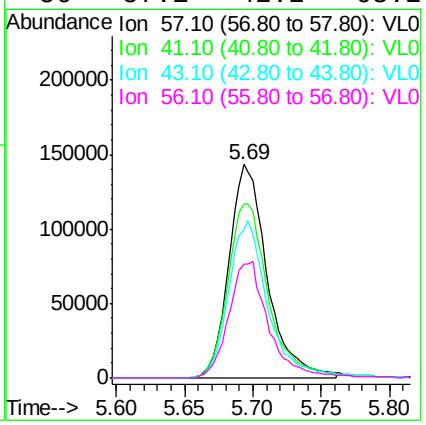


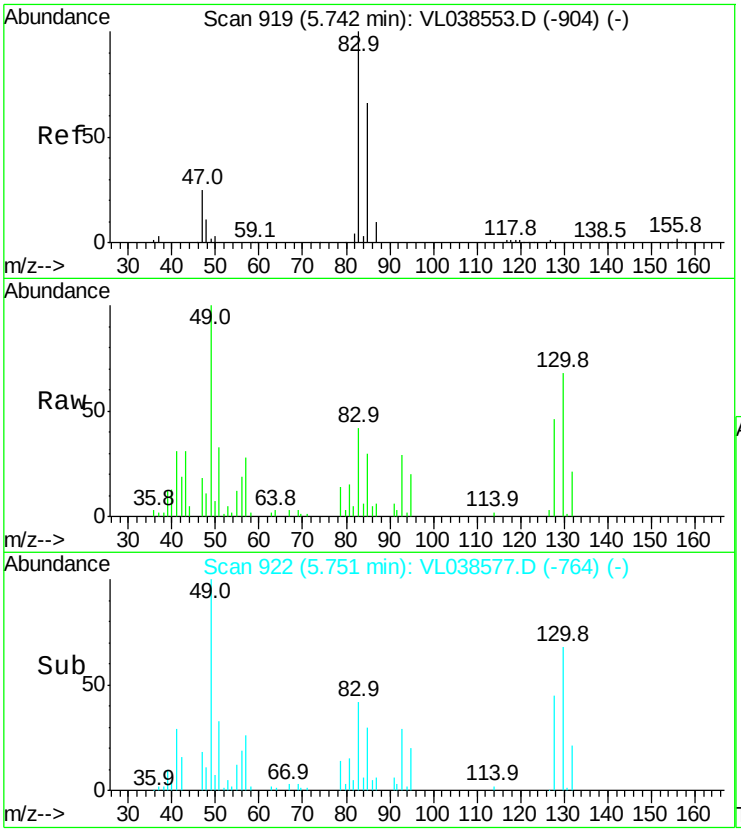


#26
Hexane
Concen: 3.20 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL038577.D
Acq: 9 Mar 2022 15:48

Tgt Ion: 57 Resp: 279409

Ion	Ratio	Lower	Upper
57	100		
41	87.9	67.8	101.6
43	76.5	173.6	260.4#
56	57.1	42.2	63.2



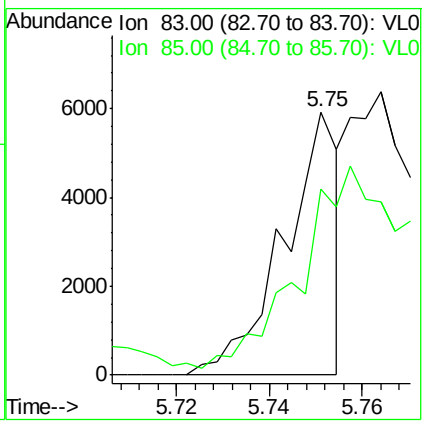


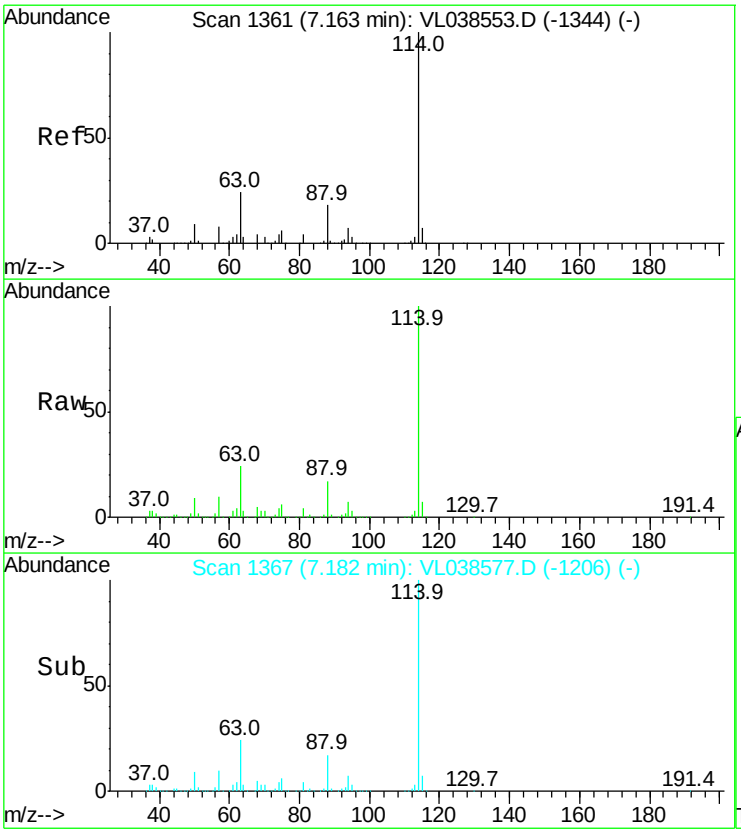
#29
Chloroform
Concen: 0.04 ppbv
RT: 5.75
Delta R.T
Lab File:
Acq: 9 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion: 83 Resp: 4824

Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.8	79.2

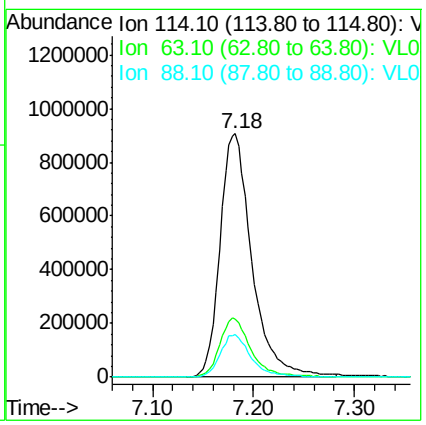


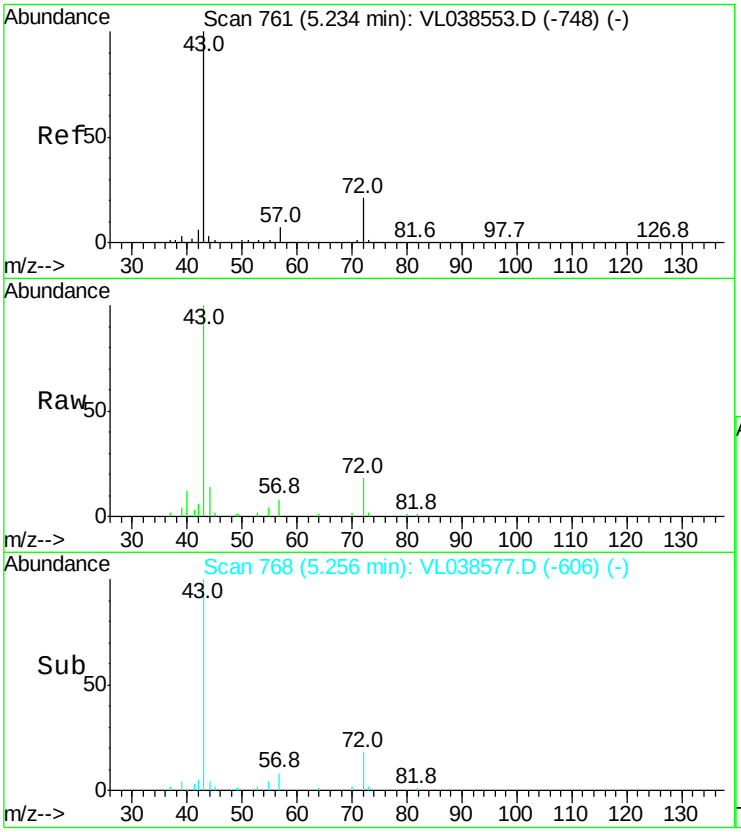


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.02 min
Lab File: VL038577.D
Acq: 9 Mar 2022 15:48

Tgt Ion:114 Resp: 2001978

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.6	29.4
88	17.1	13.9	20.9



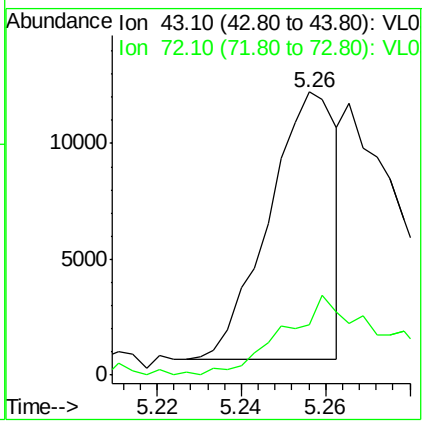


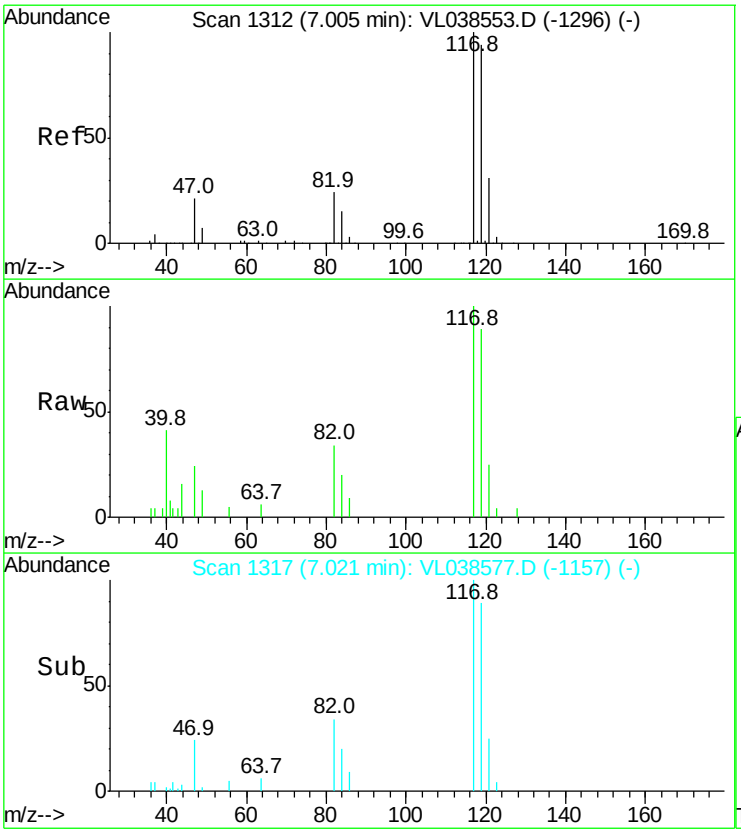
#34
2-Butanone
Concen: 0.25 ppbv
RT: 5.26
Delta R.T
Lab File:
Acq: 9 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion: 43 Resp: 12866

Ion	Ratio	Lower	Upper
43	100		
72	53.5	17.8	26.6#

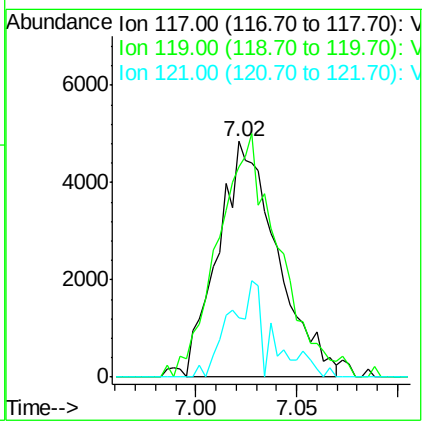


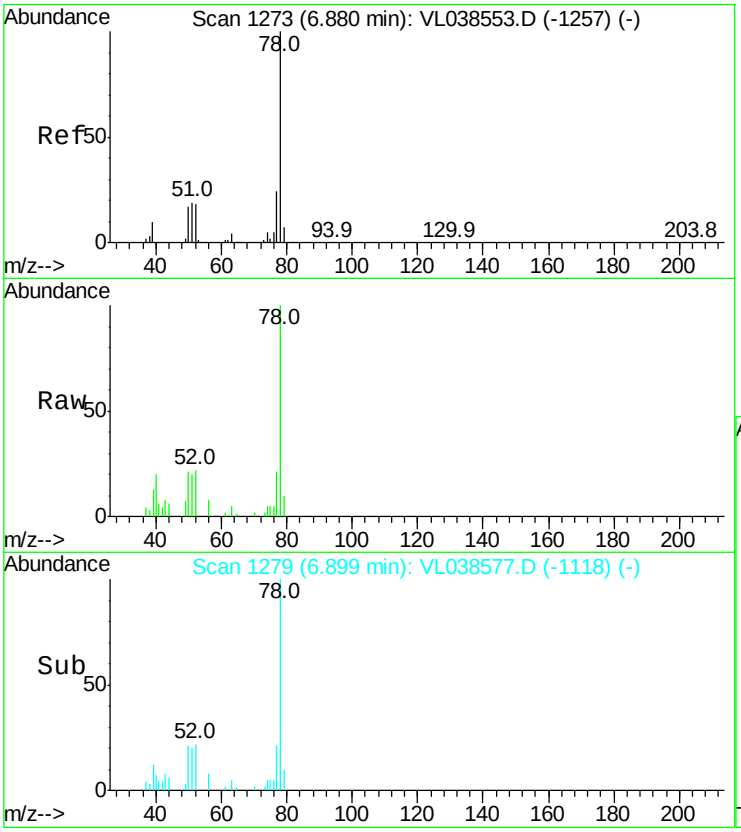


#35
Carbon Tetrachloride
Concen: 0.07 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.02 min
Lab File: VL038577.D
Acq: 9 Mar 2022 15:48

Tgt Ion:117 Resp: 9933

Ion	Ratio	Lower	Upper
117	100		
119	82.3	75.2	112.8
121	25.4	24.8	37.2



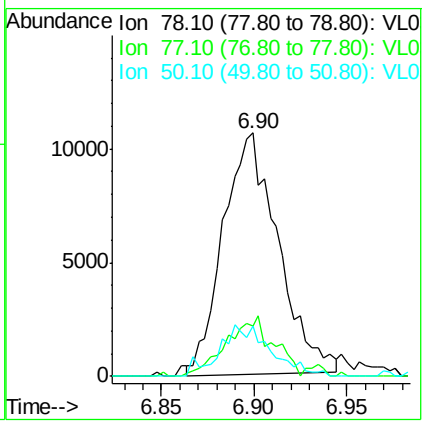


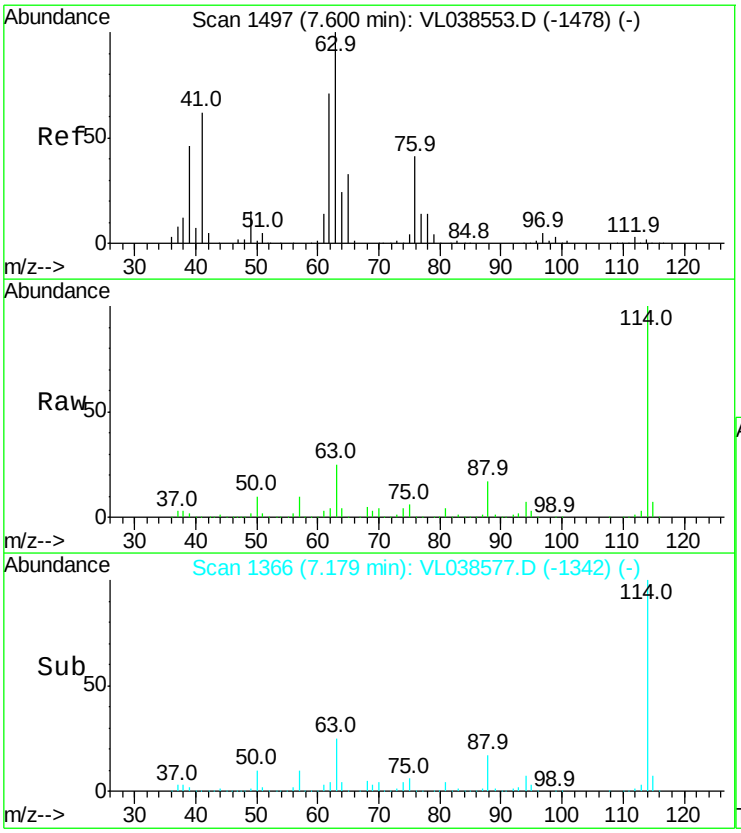
#36
Benzene
Concen: 0.12 ppbv
RT: 6.90
Delta R.T
Lab File:
Acq: 9 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion: 78 Resp: 21936

Ion	Ratio	Lower	Upper
78	100		
77	21.6	19.0	28.4
50	42.7	13.9	20.9#

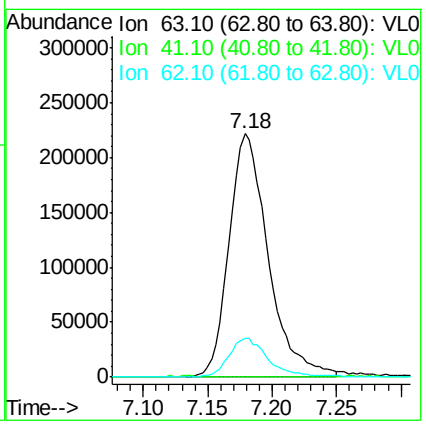


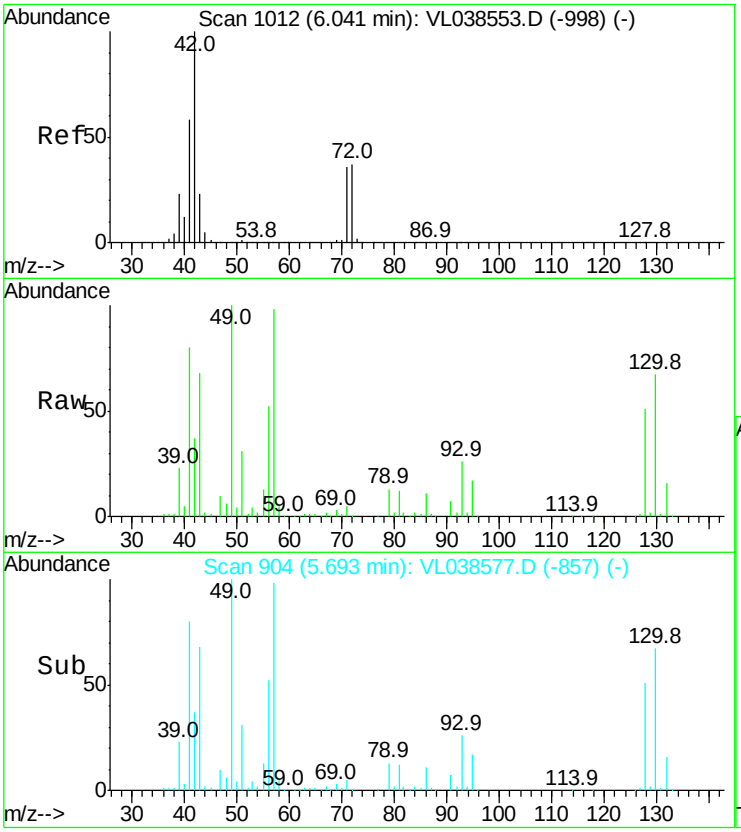


#39
1,2-Dichloropropane
Concen: 6.73 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.42 min
Lab File: VL038577.D
Acq: 9 Mar 2022 15:48

Tgt Ion: 63 Resp: 467734

Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	16.1	56.7	85.1#



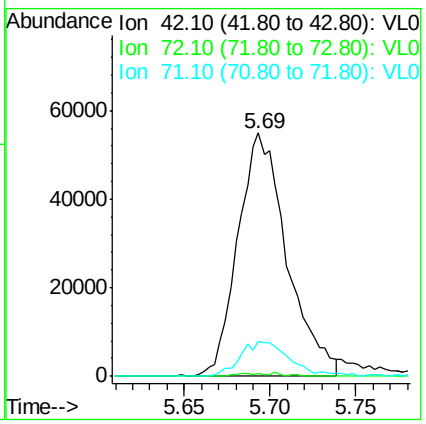


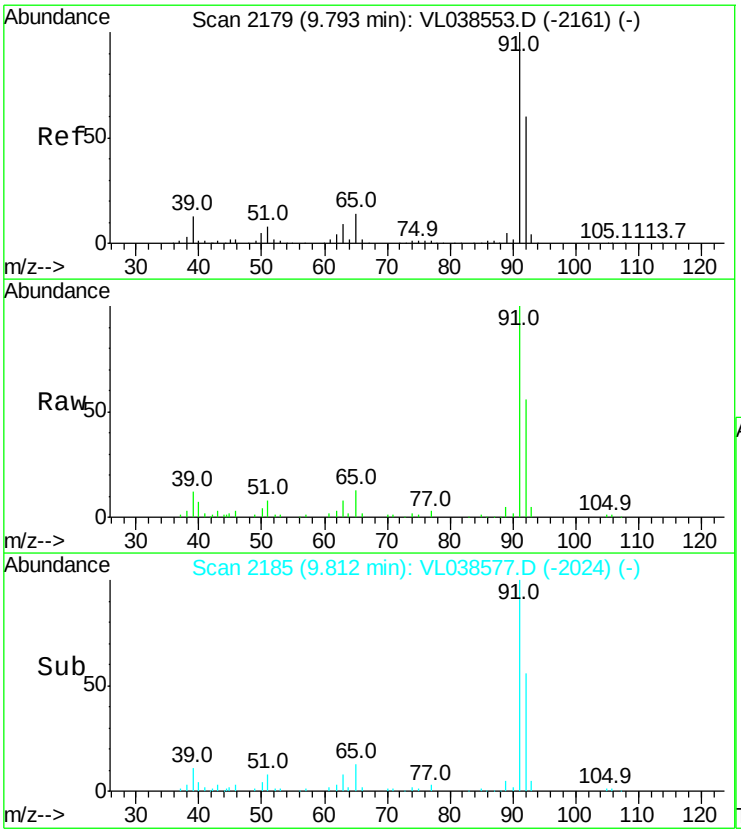
#41
Tetrahydrofuran
Concen: 2.56 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 9 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion: 42 Resp: 108757

Ion	Ratio	Lower	Upper
42	100		
72	1.1	30.9	46.3#
71	14.8	29.1	43.7#

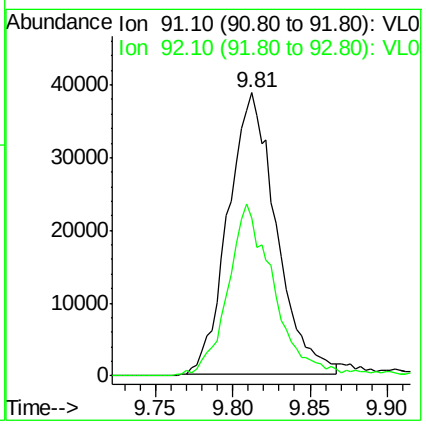


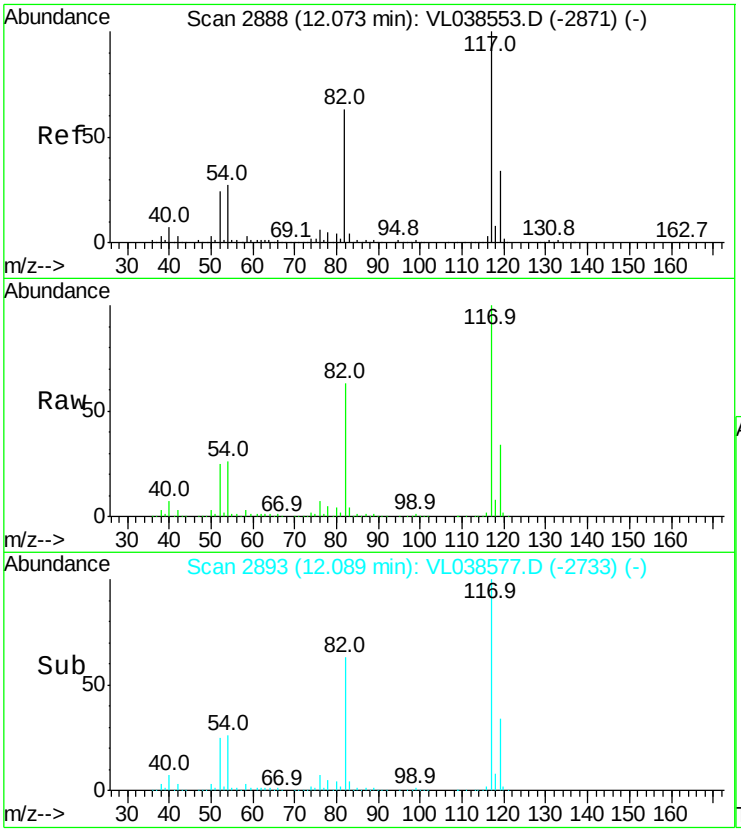


#53
Toluene
Concen: 0.43 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. 0.02 min
Lab File: VL038577.D
Acq: 9 Mar 2022 15:48

Tgt Ion: 91 Resp: 83821

Ion	Ratio	Lower	Upper
91	100		
92	59.5	48.1	72.1



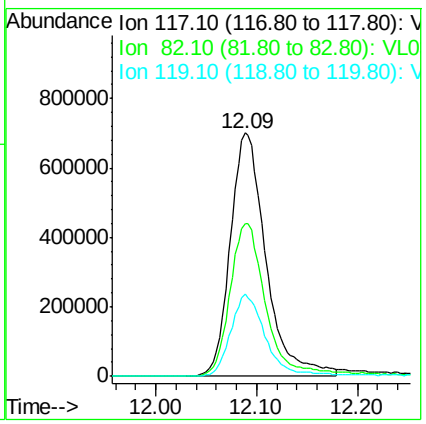


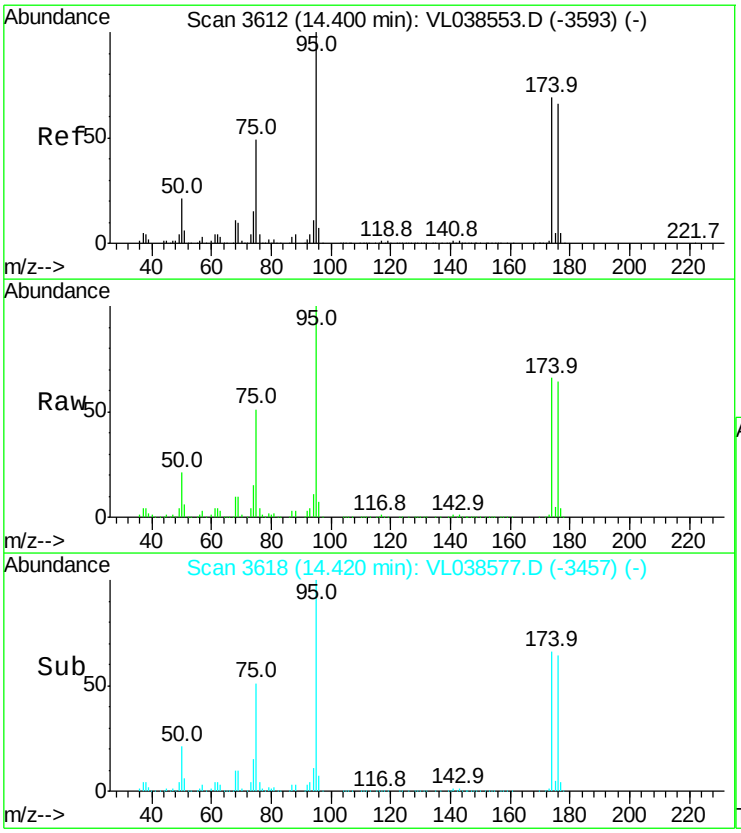
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.09
Delta R.T
Lab File:
Acq: 9 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion:117 Resp: 1721678

Ion	Ratio	Lower	Upper
117	100		
82	66.4	52.5	78.7
119	34.2	46.4	69.6#

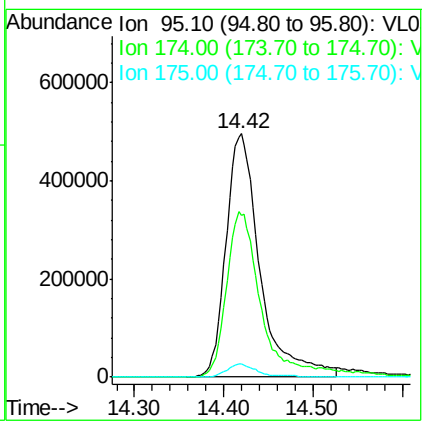


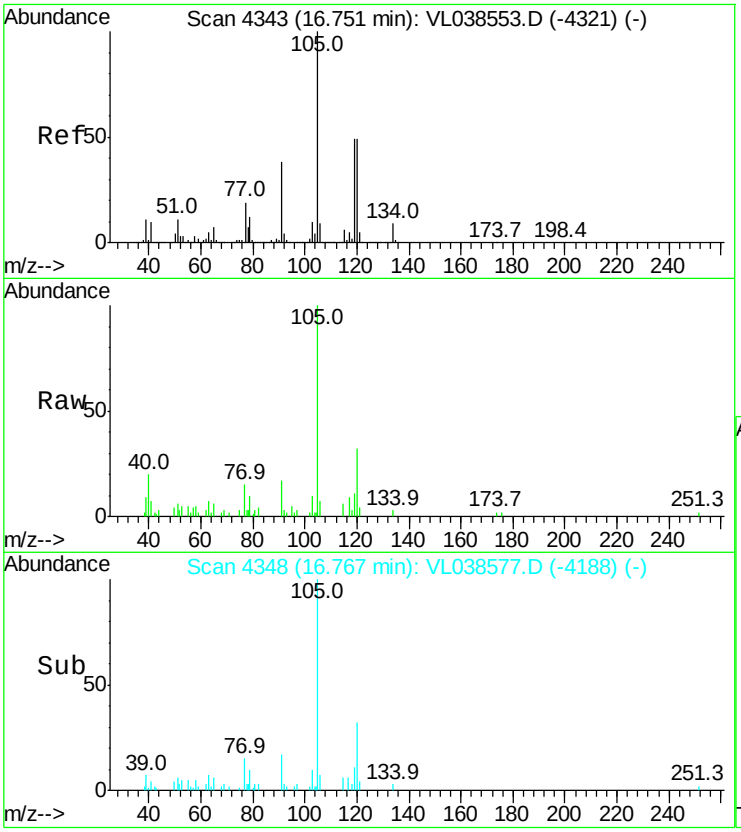


#68
1-Bromo-4-Fluorobenzene
Concen: 10.06 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. 0.02 min
Lab File: VL038577.D
Acq: 9 Mar 2022 15:48

Tgt Ion: 95 Resp: 1316554

Ion	Ratio	Lower	Upper
95	100		
174	71.9	56.2	84.4
175	5.1	4.2	6.2





#74
1,2,4-Trimethylbenzene
Concen: 0.04 ppbv
RT: 16.77
Delta R.T
Lab File:
Acq: 9 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion:105 Resp: 8577

Ion	Ratio	Lower	Upper
105	100		
120	35.8	38.9	58.3#
91	19.8	30.6	46.0#
77	16.5	15.2	22.8