Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032122\
Data File : VL038671.D
Acq On : 22 Mar 2022 4:36
Operator : SY/AP
Sample : N1964-14
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : C0P84

Quant Time: Mar 22 05:08:49 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	5.66	49	832915	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.16	114	2163567	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	1892419	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	1380191	9.51	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	29079	0.26	ppbv		92
3) Chlorodifluoromethane	2.99	51	52299	0.59	ppbv	#	83
4) Chloromethane	3.14	50	19516	0.40	ppbv		91
9) Propene	3.02	41	31358	0.74	ppbv		86
11) Trichlorofluoromethane	3.94	101	23163	0.23	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1540	0.02	ppbv	#	28
13) Ethanol	3.60	45	51040	10.89	ppbv		92
15) Acetone	3.84	43	152118	2.12	ppbv		94
16) 1,3-Butadiene	3.31	39	8936	0.22	ppbv	#	36
17) tert-Butyl alcohol	4.29	59	1922	0.03	ppbv	#	79
19) Isopropyl Alcohol	3.98	45	3247	0.08	ppbv	#	91
20) Methylene Chloride	4.34	84	248423	8.21	ppbv		99
22) trans-1,2-Dichloroethene	4.87	96	971	0.03	ppbv		92
23) Vinyl Acetate	5.05	43	2451	0.04	ppbv	#	68
25) Ethyl Acetate	5.68	43	84215	0.47	ppbv	#	77
26) Hexane	5.68	57	107206	1.32	ppbv	#	40
29) Chloroform	5.74	83	4666	0.04	ppbv	#	80
31) cis-1,2-Dichloroethene	5.54	61	106350	1.40	ppbv		92
34) 2-Butanone	5.24	43	35465	0.41	ppbv	#	53
35) Carbon Tetrachloride	7.01	117	4244	0.03	ppbv		91
36) Benzene	6.88	78	8420	0.05	ppbv	#	74
39) 1,2-Dichloropropane	7.16	63	503860	7.72	ppbv	#	29
41) Tetrahydrofuran	6.05	42	68638	1.08	ppbv		98
44) 2,2,4-Trimethylpentane	7.86	57	6240	0.02	ppbv	#	24
52) Tetrachloroethene	11.21	164	3767	0.06	ppbv	#	76
53) Toluene	9.79	91	502951	2.80	ppbv		99
74) 1,2,4-Trimethylbenzene	16.74	105	5566	0.03	ppbv	#	92

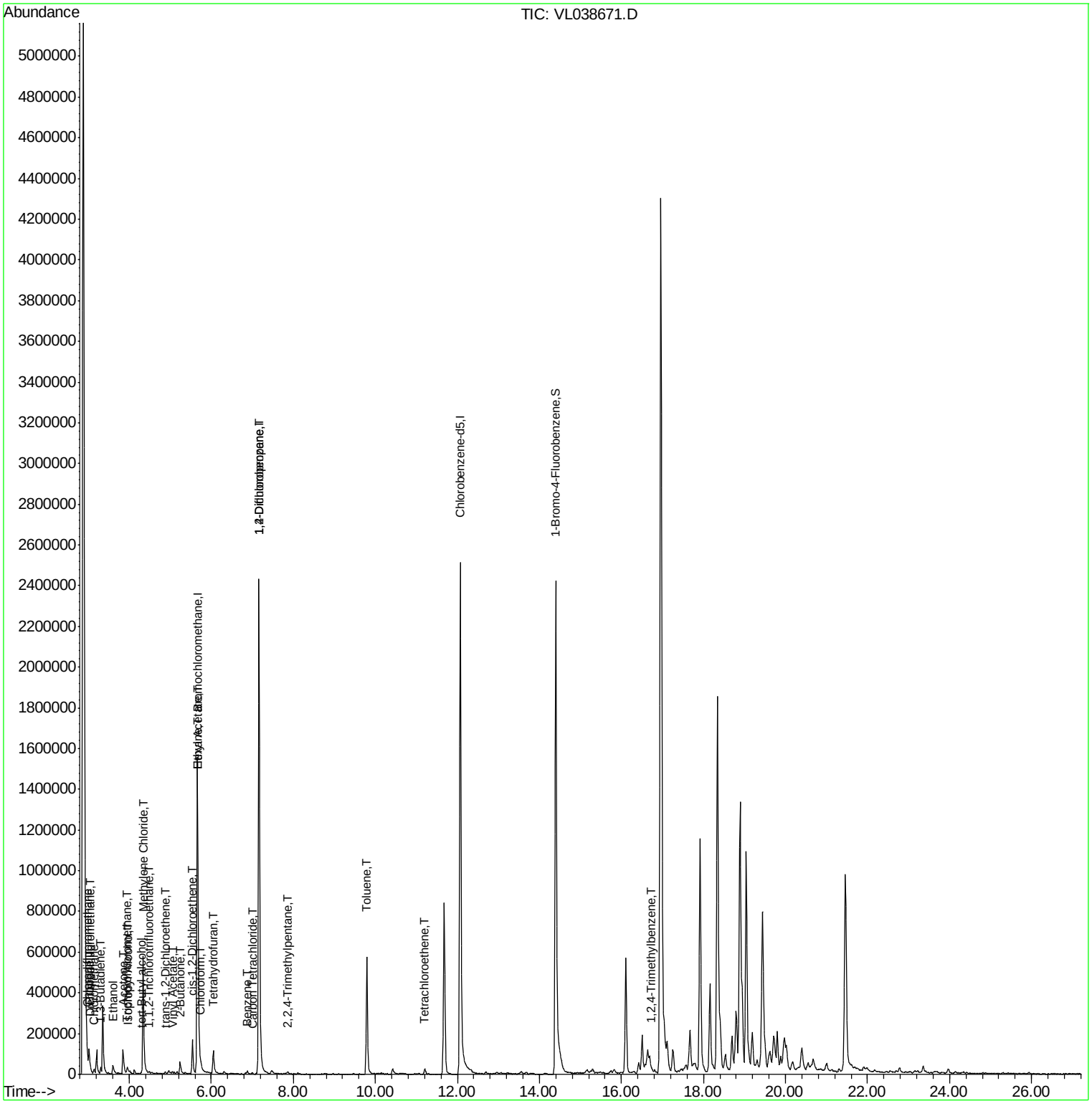
(#) = qualifier out of range (m) = manual integration (+) = signals summed

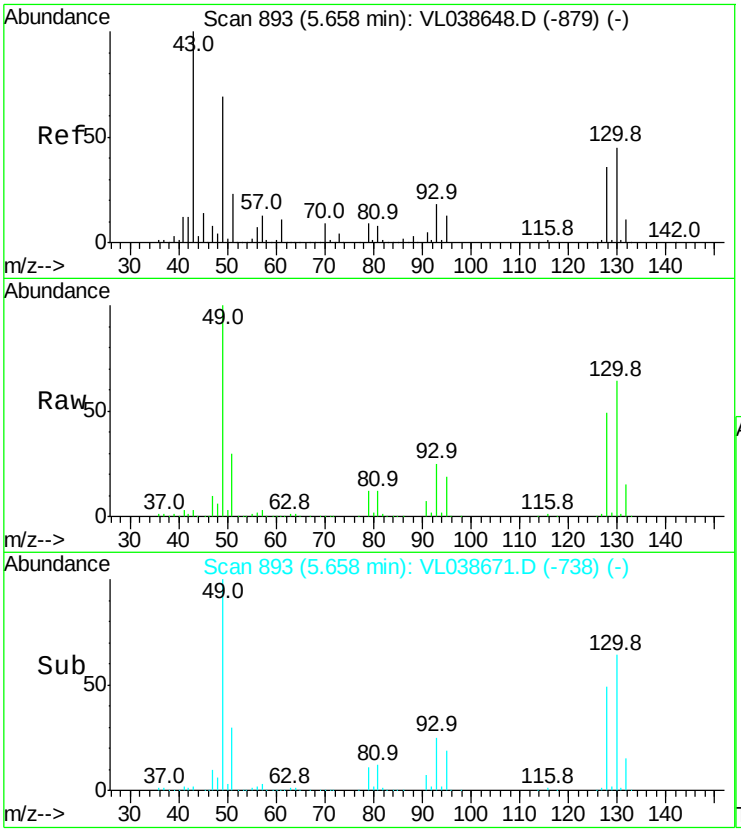
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032122\
Data File : VL038671.D
Acq On : 22 Mar 2022 4:36
Operator : SY/AP
Sample : N1964-14
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0P84

Quant Time: Mar 22 05:08:49 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



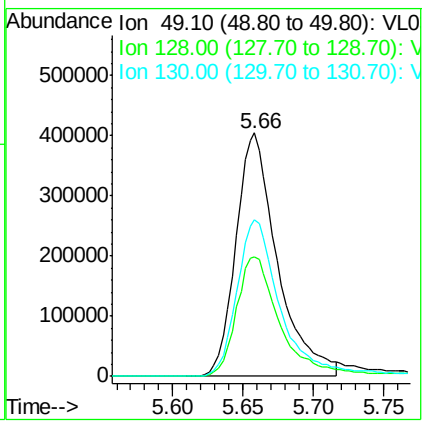


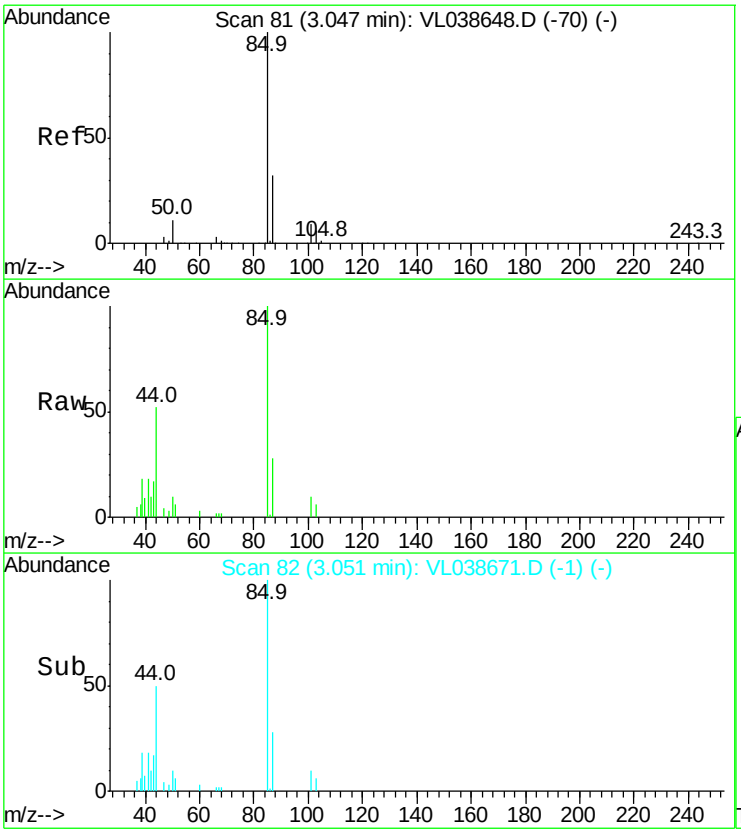
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 22 Mar 2022 4:36

Instrument :
MSVOA_L
ClientSampleId :
C0P84

Tgt Ion: 49 Resp: 832915

Ion	Ratio	Lower	Upper
49	100		
128	53.5	26.2	78.6
130	69.8	33.7	101.1

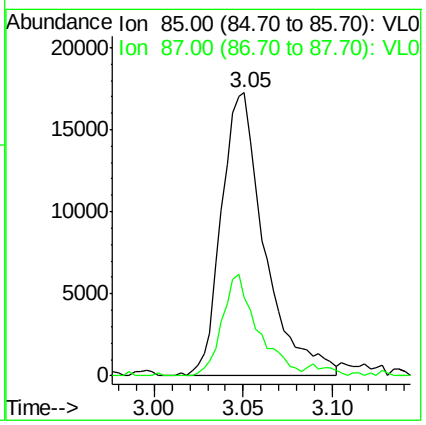


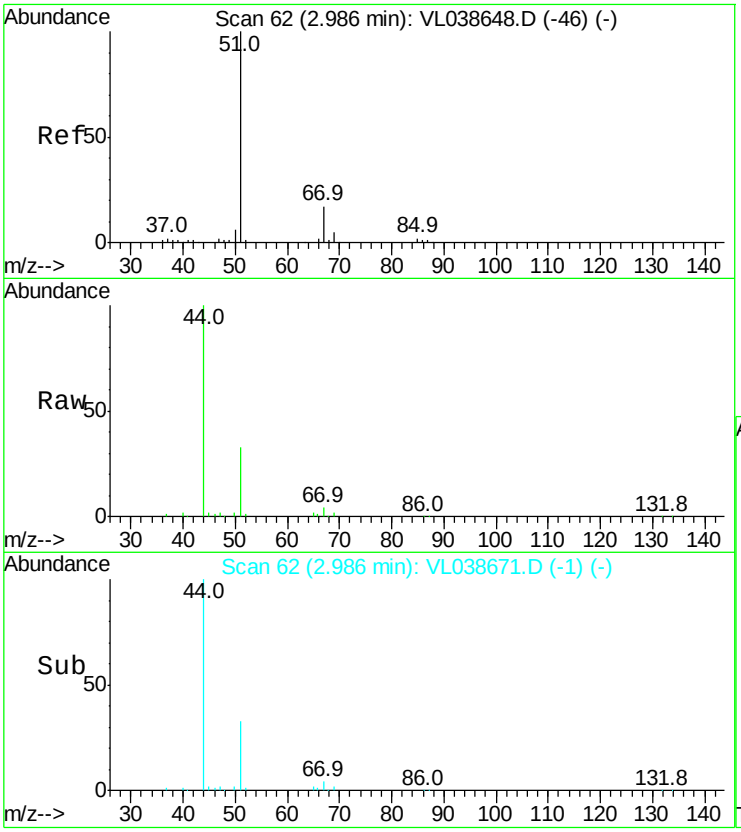


#2
Dichlorodifluoromethane
Concen: 0.26 ppbv
RT: 3.05 min Scan# 82
Delta R.T. 0.00 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

Tgt Ion: 85 Resp: 29079

Ion	Ratio	Lower	Upper
85	100		
87	27.8	26.0	39.0



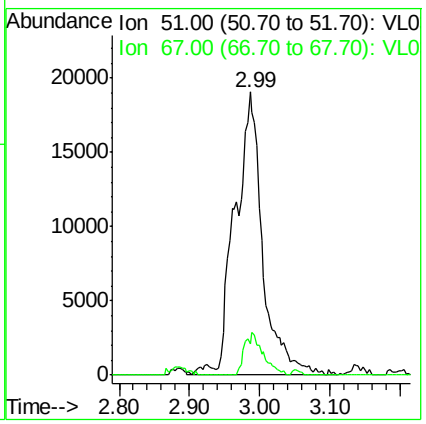


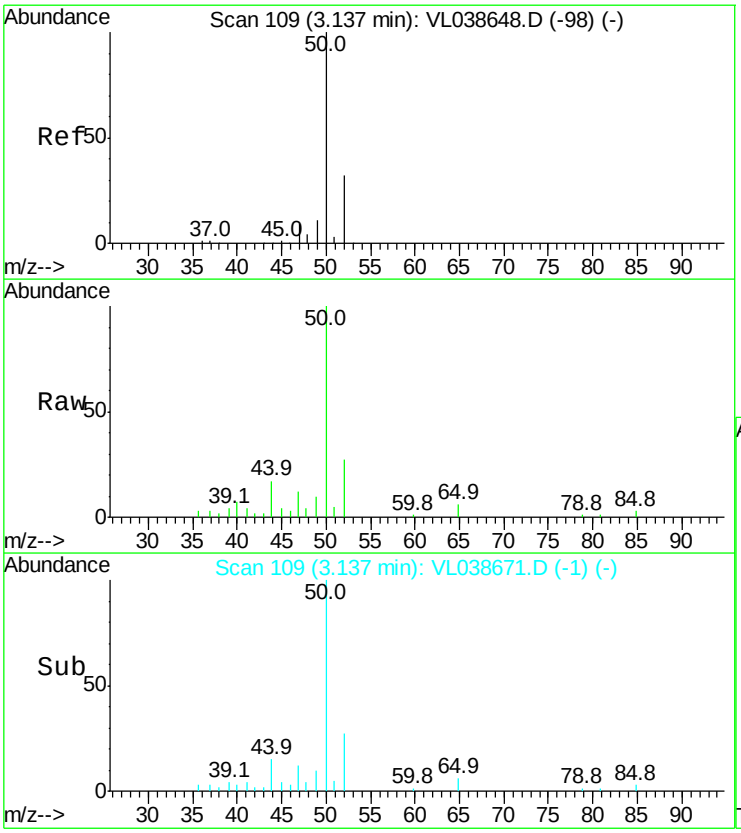
#3
Chlorodifluoromethane
Concen: 0.59 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 22 Mar 2022 4:36

Instrument :
MSVOA_L
ClientSampleId :
C0P84

Tgt Ion: 51 Resp: 52299

Ion	Ratio	Lower	Upper
51	100		
67	10.0	14.1	21.1#

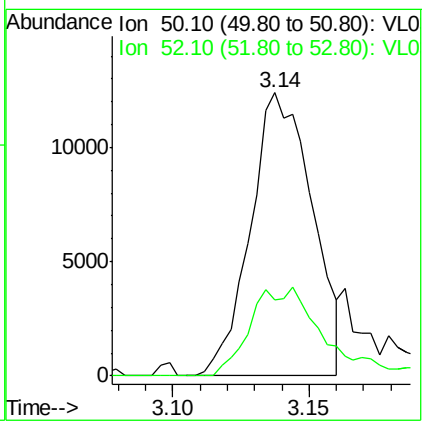


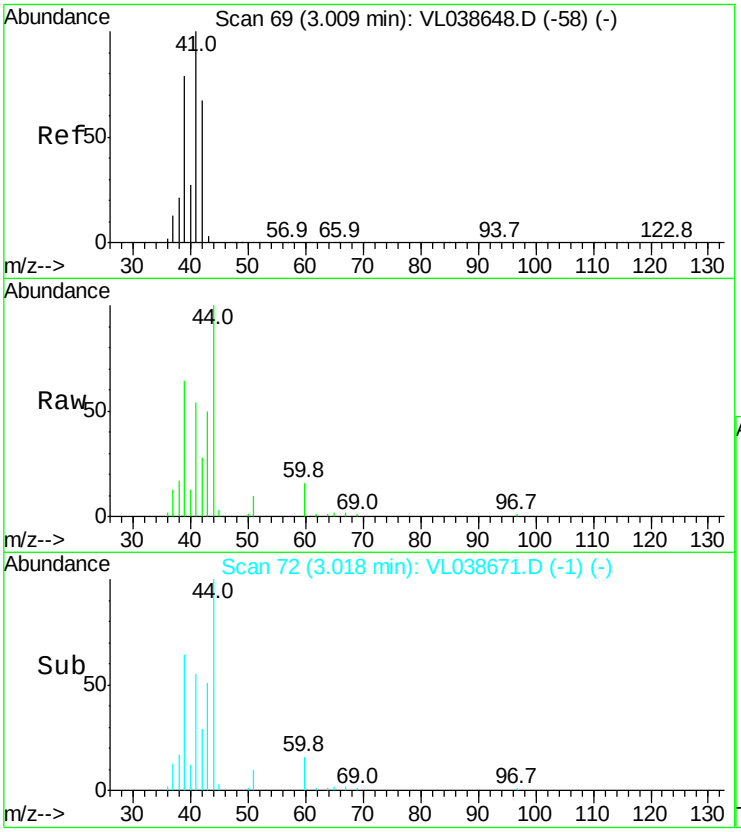


#4
Chloromethane
Concen: 0.40 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

Tgt Ion: 50 Resp: 19516

Ion	Ratio	Lower	Upper
50	100		
52	26.8	25.5	38.3



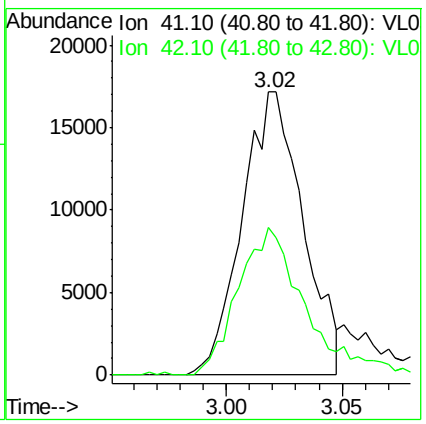


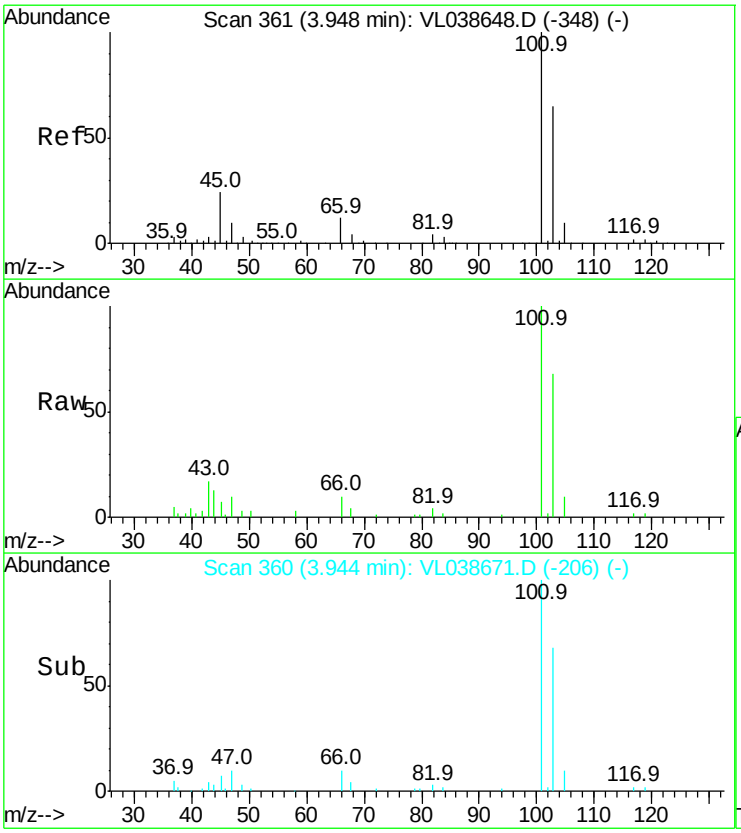
#9
Propene
Concen: 0.74 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 22 Mar 2022 4:36

Instrument :
MSVOA_L
ClientSampleId :
C0P84

Tgt Ion: 41 Resp: 31358

Ion	Ratio	Lower	Upper
41	100		
42	59.1	56.2	84.4

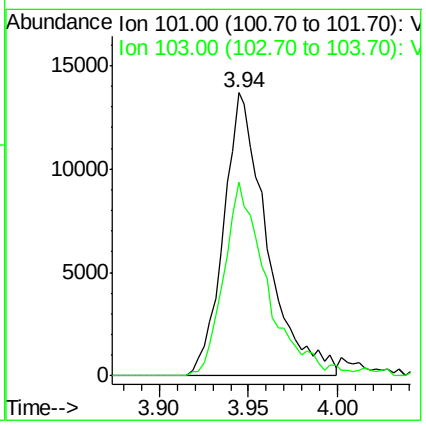


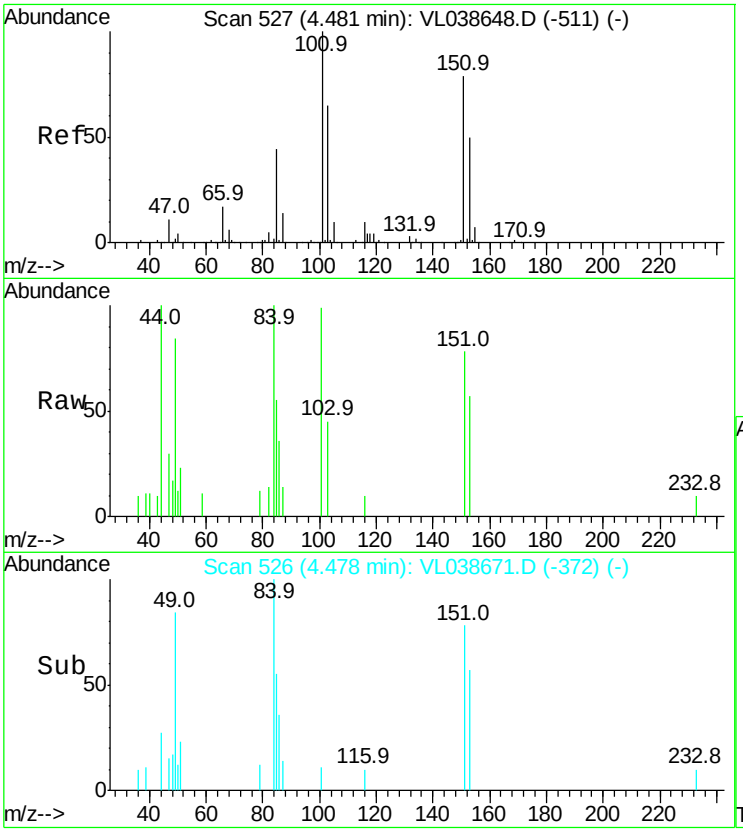


#11
Trichlorofluoromethane
Concen: 0.23 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.00 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

Tgt Ion:101 Resp: 23163

Ion	Ratio	Lower	Upper
101	100		
103	68.3	51.9	77.9



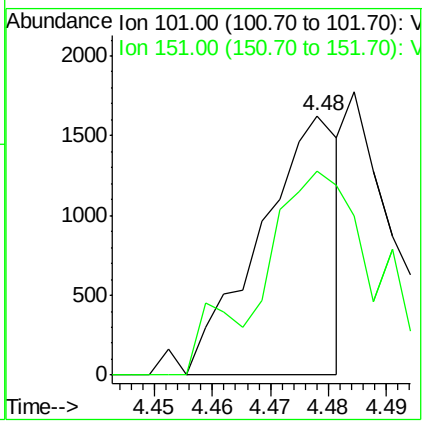


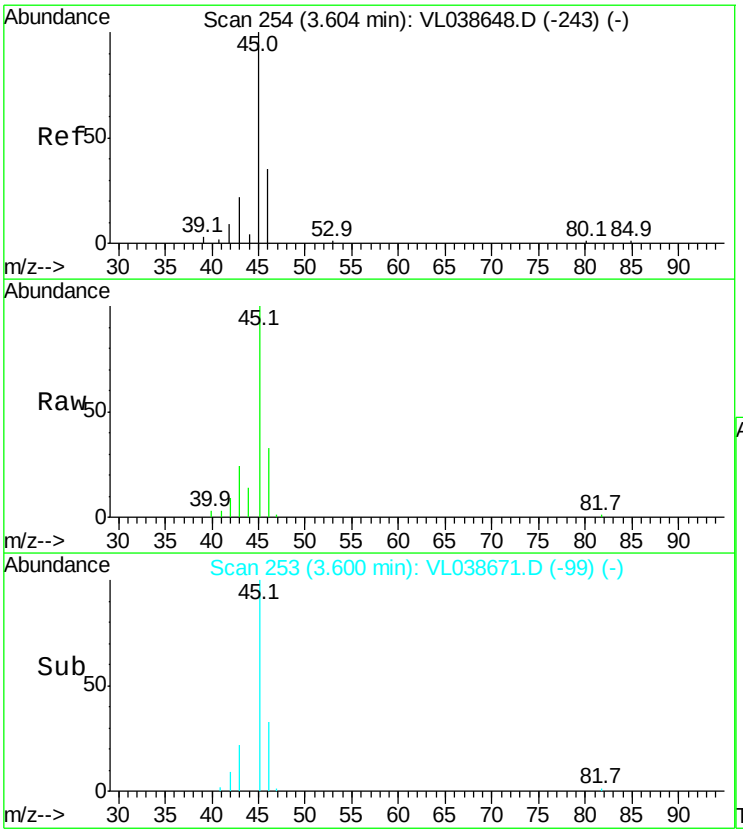
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.02 ppbv
RT: 4.48
Delta R.T
Lab File:
Acq: 22 Mar 2022 4:36

Instrument :
MSVOA_L
ClientSampleId :
C0P84

Tgt Ion:101 Resp: 1540

Ion	Ratio	Lower	Upper
101	100		
151	141.7	62.9	94.3#

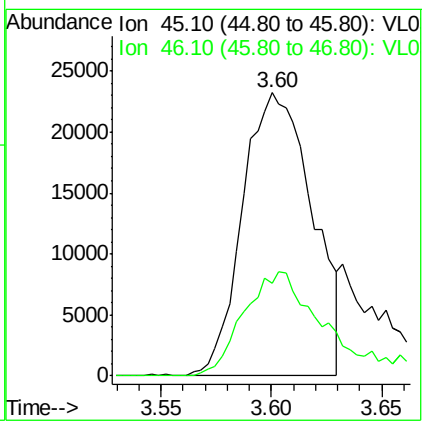


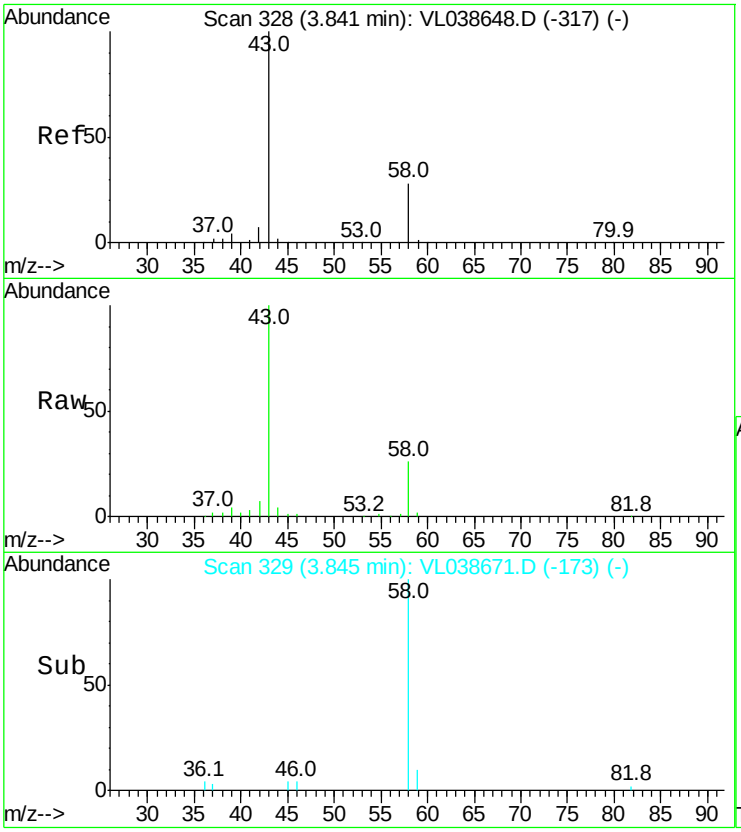


#13
Ethanol
Concen: 10.89 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

Tgt Ion: 45 Resp: 51040

Ion	Ratio	Lower	Upper
45	100		
46	42.6	15.1	60.5



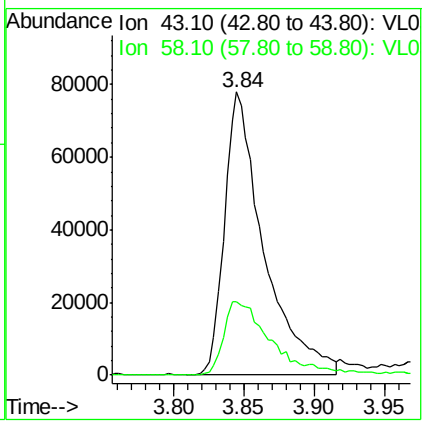


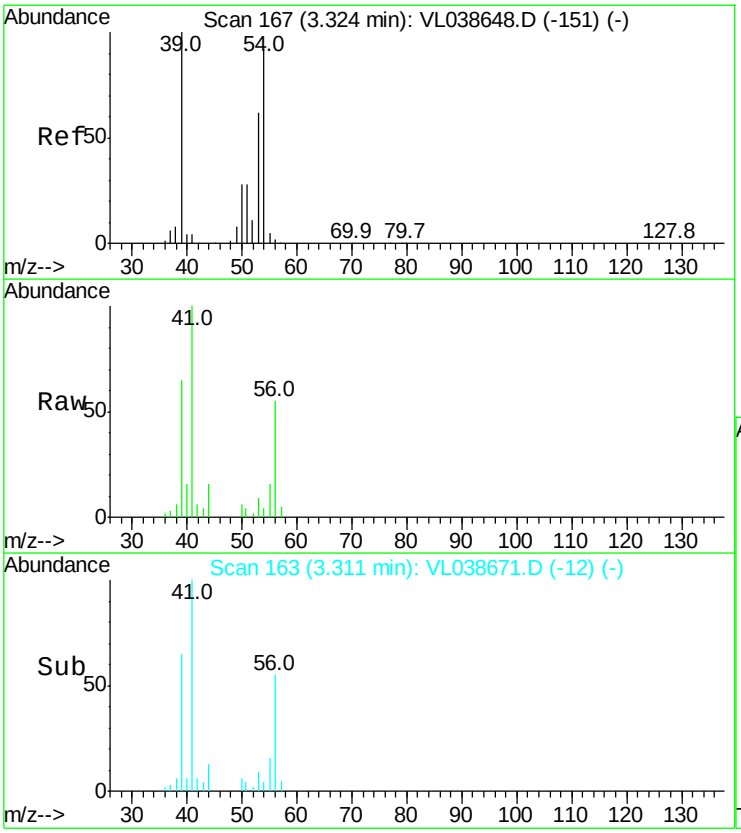
#15
Acetone
Concen: 2.12 ppbv
RT: 3.84
Delta R.T
Lab File:
Acq: 22 Mar 2022 4:36

Instrument :
MSVOA_L
ClientSampleId :
C0P84

Tgt Ion: 43 Resp: 152118

Ion	Ratio	Lower	Upper
43	100		
58	32.3	23.3	34.9

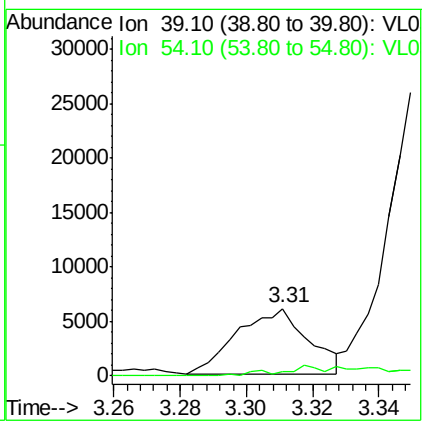


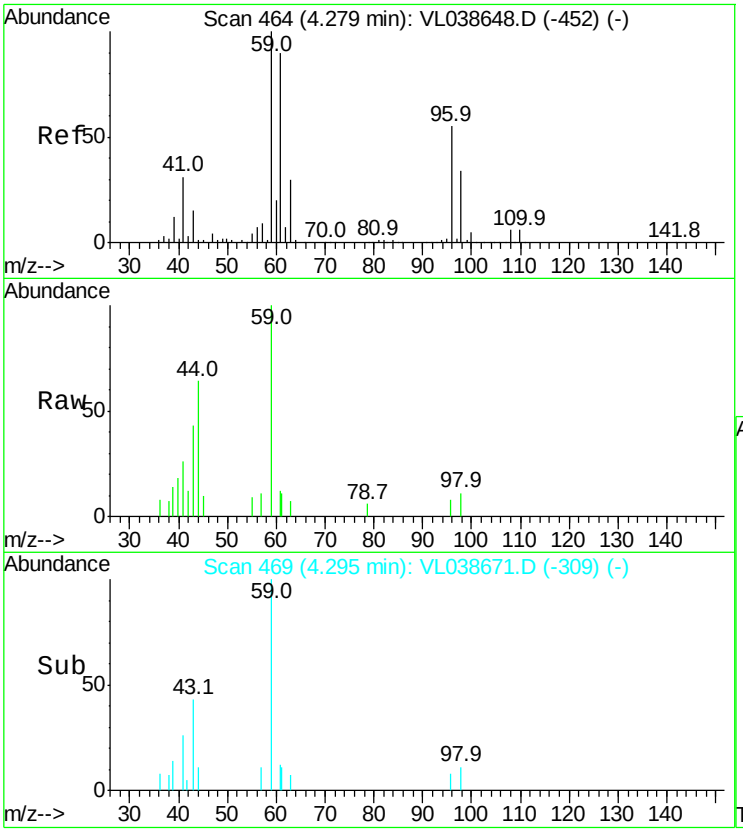


#16
1,3-Butadiene
Concen: 0.22 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.01 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

Tgt Ion: 39 Resp: 8936

Ion	Ratio	Lower	Upper
39	100		
54	27.8	69.1	103.7#



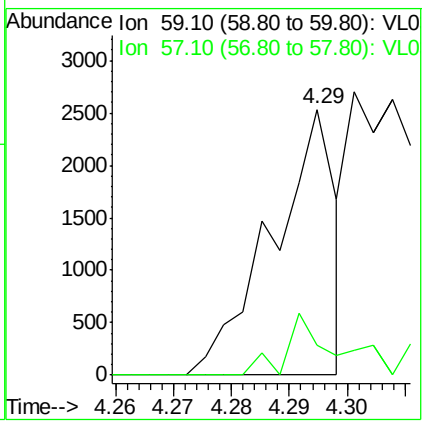


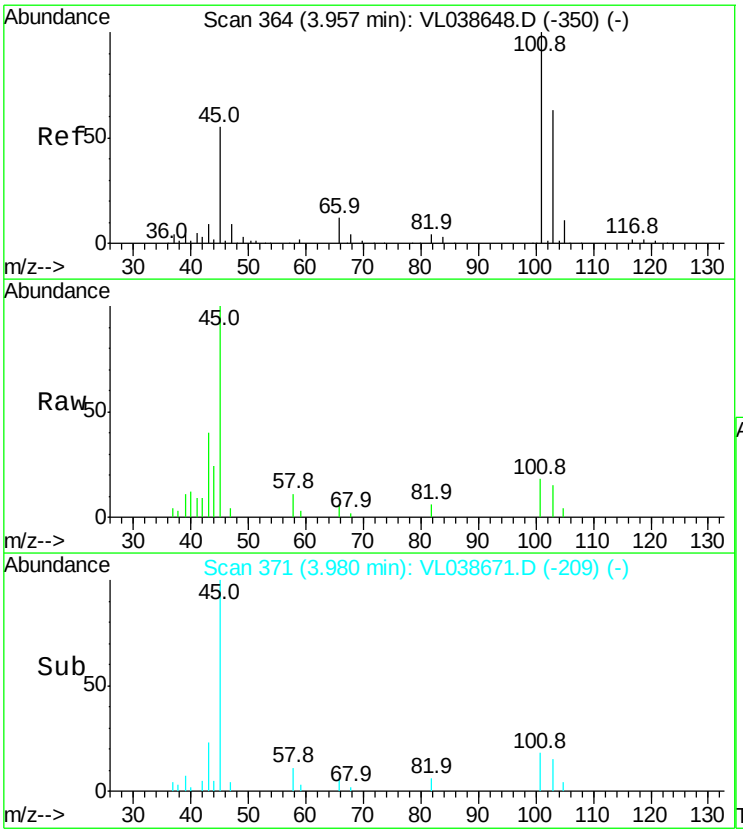
#17
tert-Butyl alcohol
Concen: 0.03 ppbv
RT: 4.29
Delta R.T
Lab File:
Acq: 22 Mar 2022 4:36

Instrument :
MSVOA_L
ClientSampleId :
C0P84

Tgt Ion: 59 Resp: 1922

Ion	Ratio	Lower	Upper
59	100		
57	18.0	8.2	12.2#

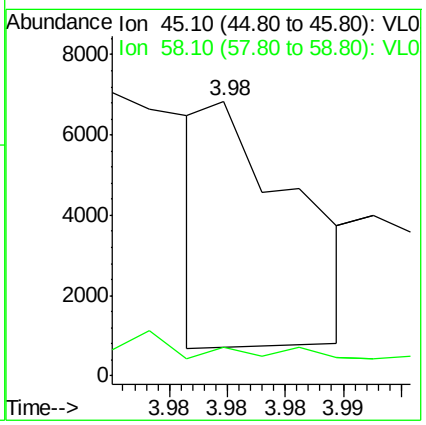


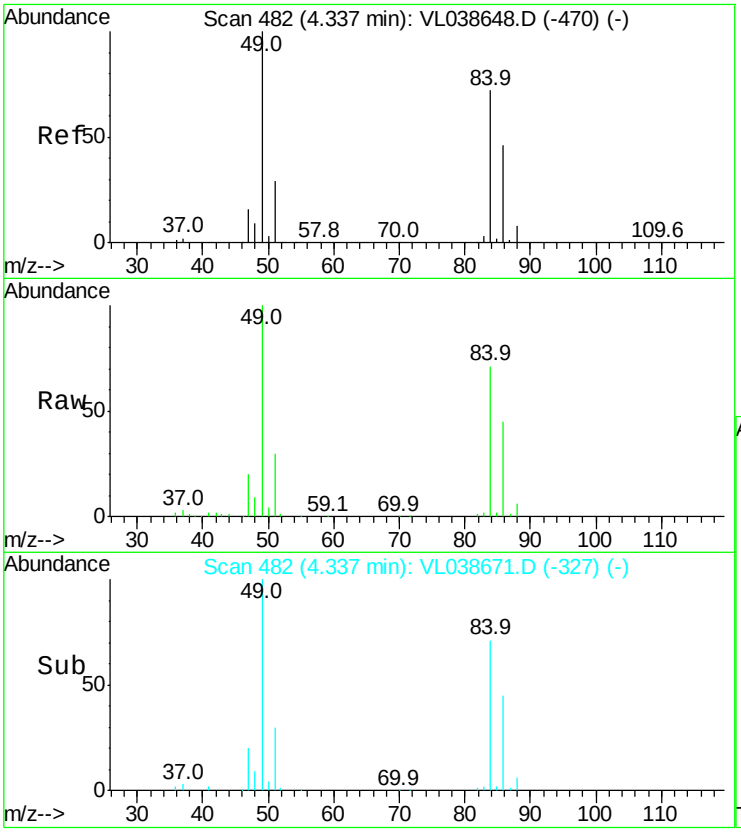


#19
Isopropyl Alcohol
Concen: 0.08 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.02 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

Tgt Ion: 45 Resp: 3247

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.3	3.5#



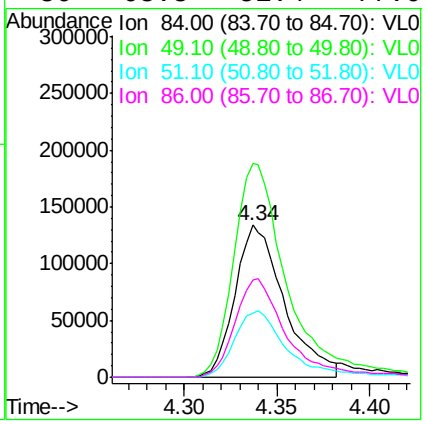


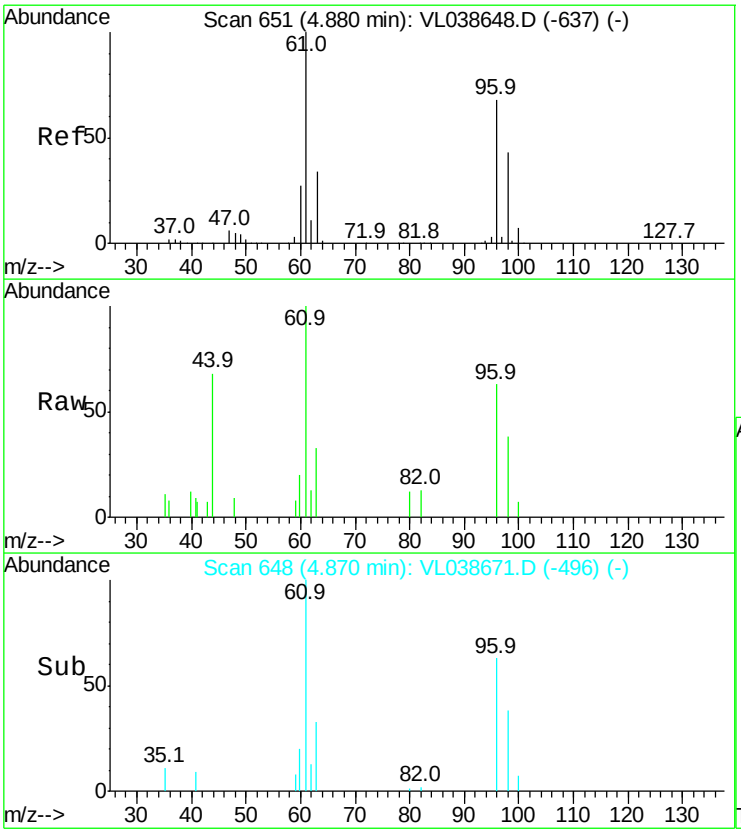
#20
Methylene Chloride
Concen: 8.21 ppbv
RT: 4.34
Delta R.T
Lab File:
Acq: 22 Mar 2022 4:36

Instrument :
MSVOA_L
ClientSampleId :
C0P84

Tgt Ion: 84 Resp: 248423

Ion	Ratio	Lower	Upper
84	100		
49	140.4	111.2	166.8
51	42.2	32.8	49.2
86	63.8	51.4	77.0

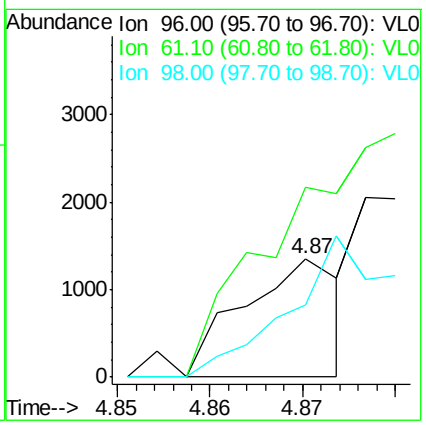


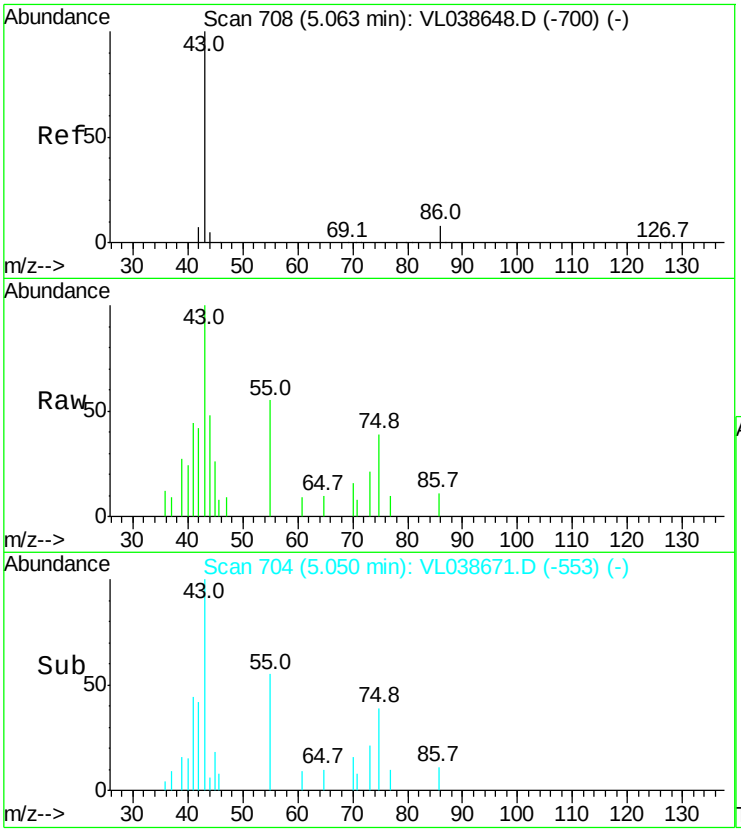


#22
trans-1,2-Dichloroethene
Concen: 0.03 ppbv
RT: 4.87 min Scan# 648
Delta R.T. -0.01 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

Tgt Ion: 96 Resp: 971

Ion	Ratio	Lower	Upper
96	100		
61	159.9	118.3	177.5
98	61.1	51.3	76.9



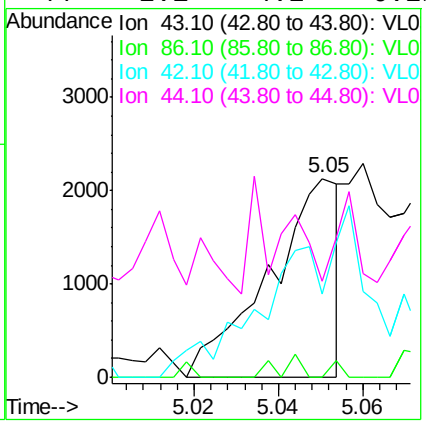


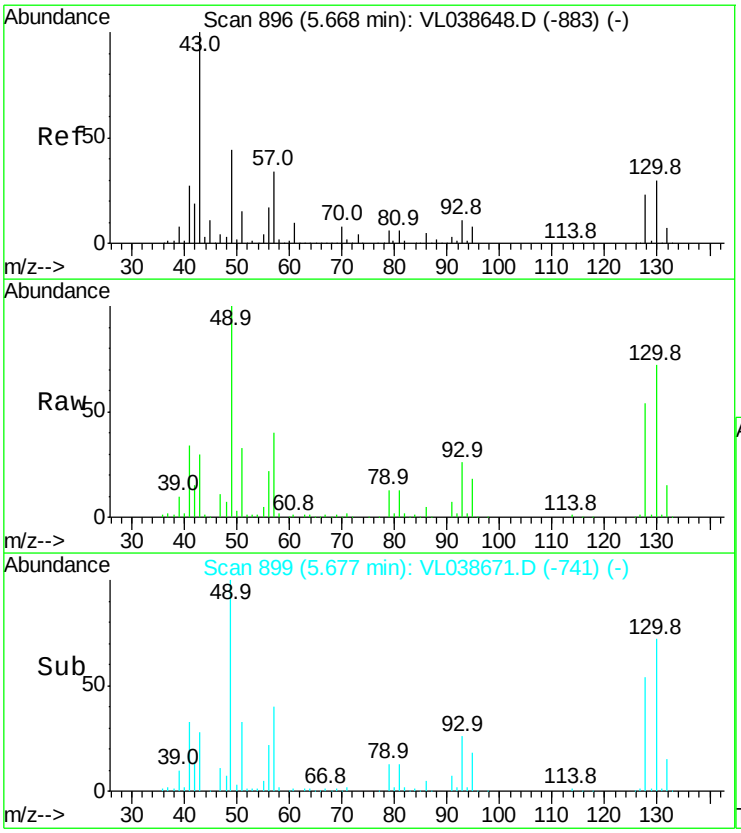
#23
Vinyl Acetate
Concen: 0.04 ppbv
RT: 5.05
Delta R.T
Lab File:
Acq: 22 Mar 2022 4:36

Instrument :
MSVOA_L
ClientSampleId :
C0P84

Tgt Ion: 43 Resp: 2451

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.6	8.4#
42	28.6	6.8	10.2#
44	2.1	4.2	6.2#

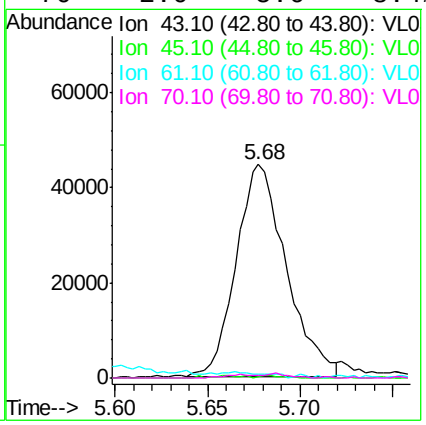


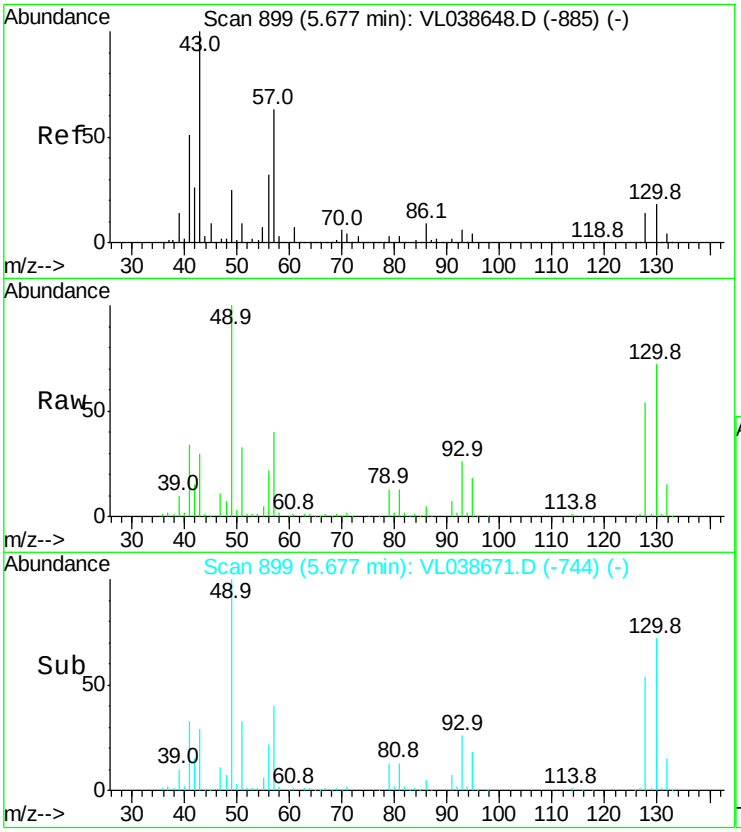


#25
Ethyl Acetate
Concen: 0.47 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

Tgt Ion: 43 Resp: 84215

Ion	Ratio	Lower	Upper
43	100		
45	1.4	8.2	12.4#
61	0.0	8.3	12.5#
70	2.0	5.6	8.4#



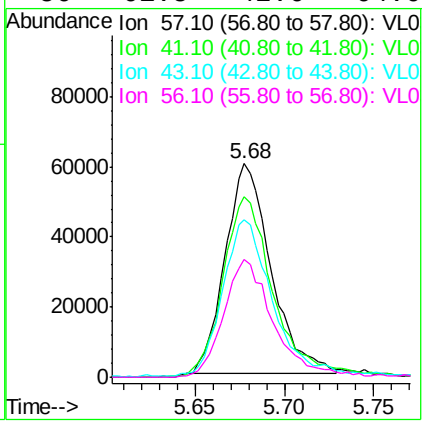


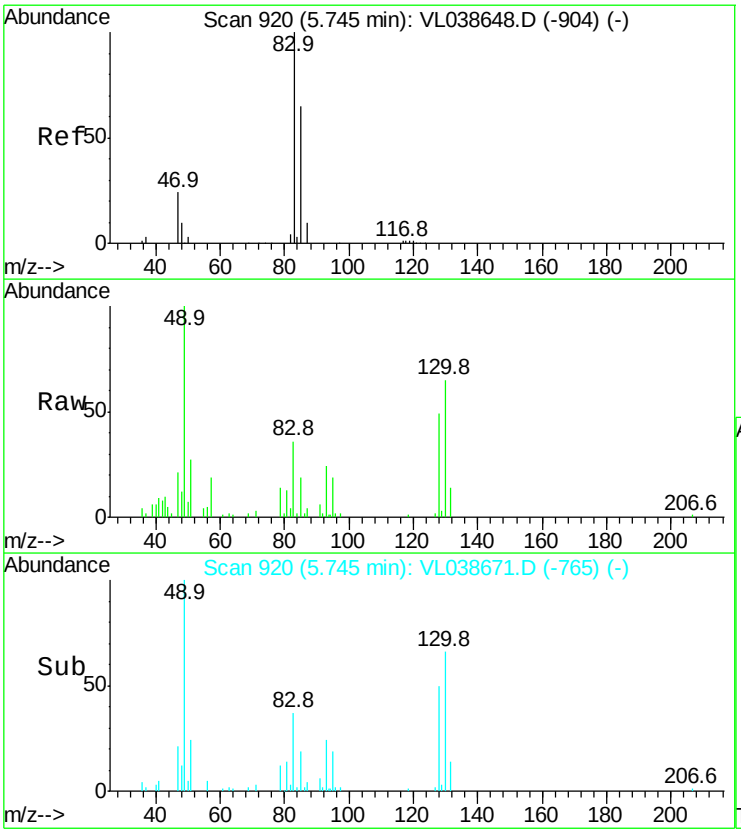
#26
Hexane
Concen: 1.32 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 22 Mar 2022 4:36

Instrument :
MSVOA_L
ClientSampleId :
C0P84

Tgt Ion: 57 Resp: 107206

Ion	Ratio	Lower	Upper
57	100		
41	96.0	67.0	100.4
43	84.6	184.2	276.2#
56	61.5	42.6	64.0

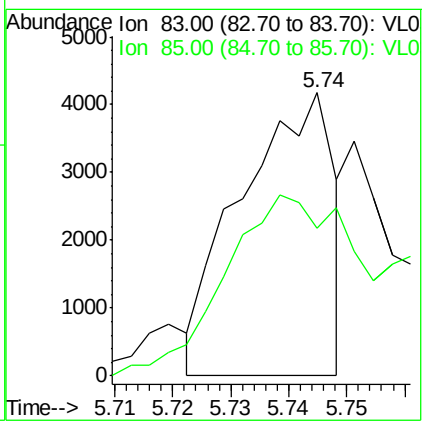


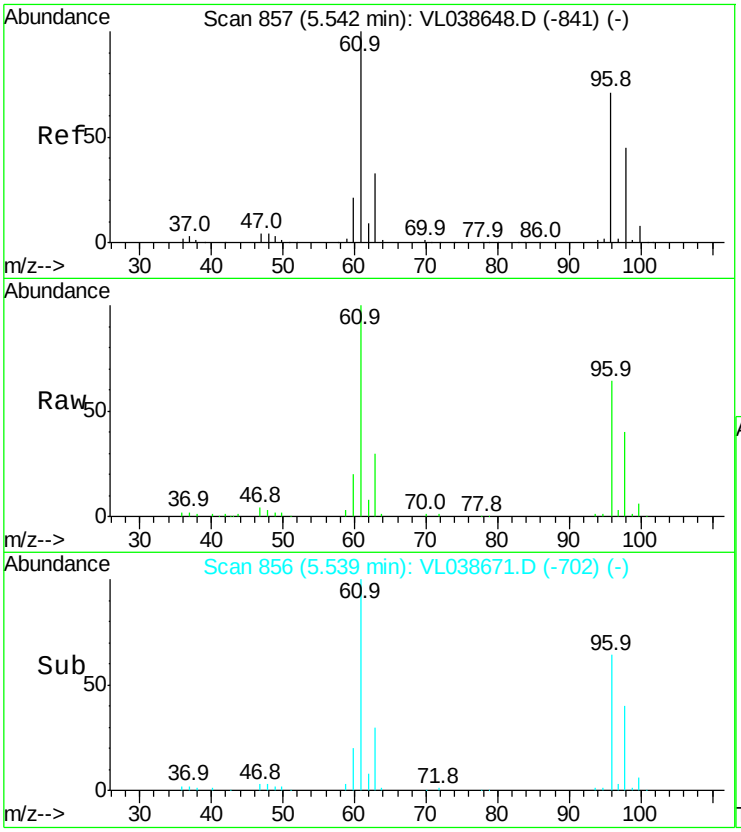


#29
Chloroform
Concen: 0.04 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.00 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

Tgt Ion: 83 Resp: 4666

Ion	Ratio	Lower	Upper
83	100		
85	48.7	51.7	77.5#



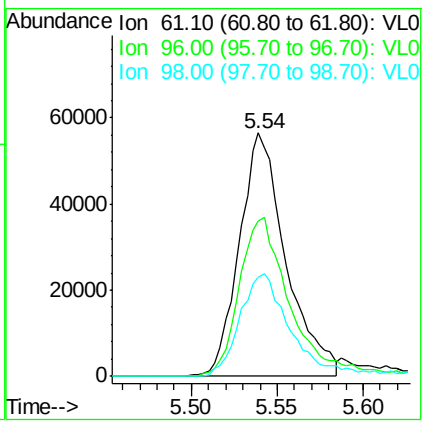


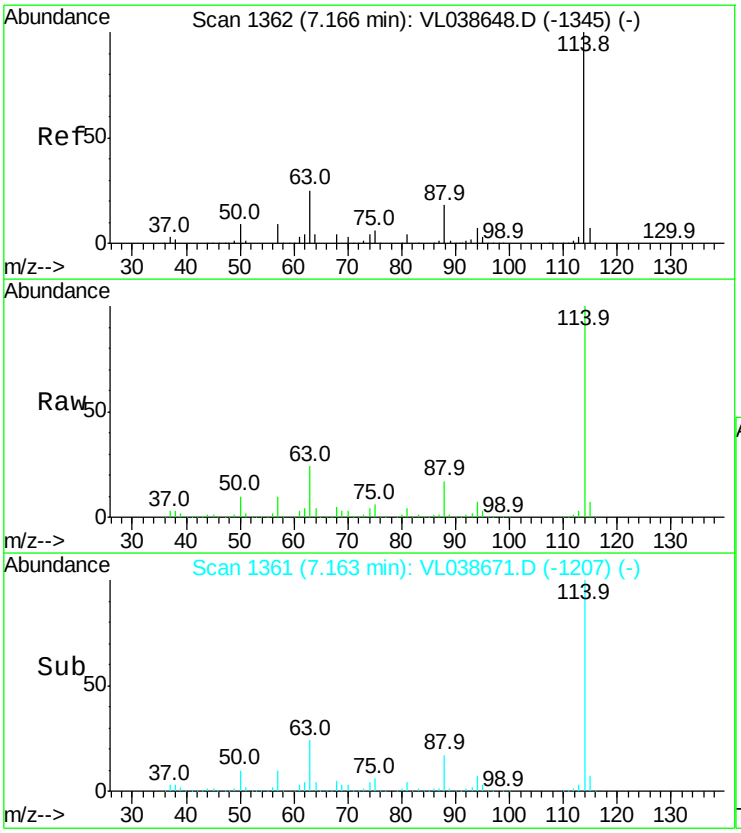
#31
cis-1,2-Dichloroethene
Concen: 1.40 ppbv
RT: 5.54
Delta R.T
Lab File:
Acq: 22 Mar 2022 4:36

Instrument :
MSVOA_L
ClientSampleId :
C0P84

Tgt Ion: 61 Resp: 106350

Ion	Ratio	Lower	Upper
61	100		
96	63.9	56.6	84.8
98	40.4	36.3	54.5

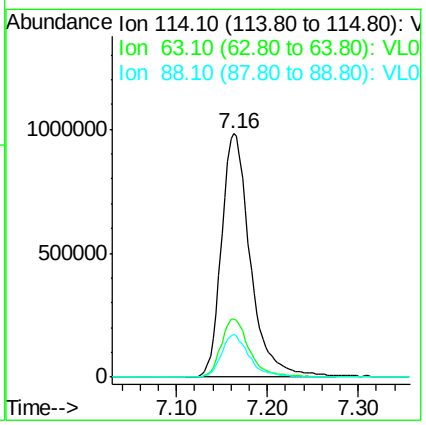


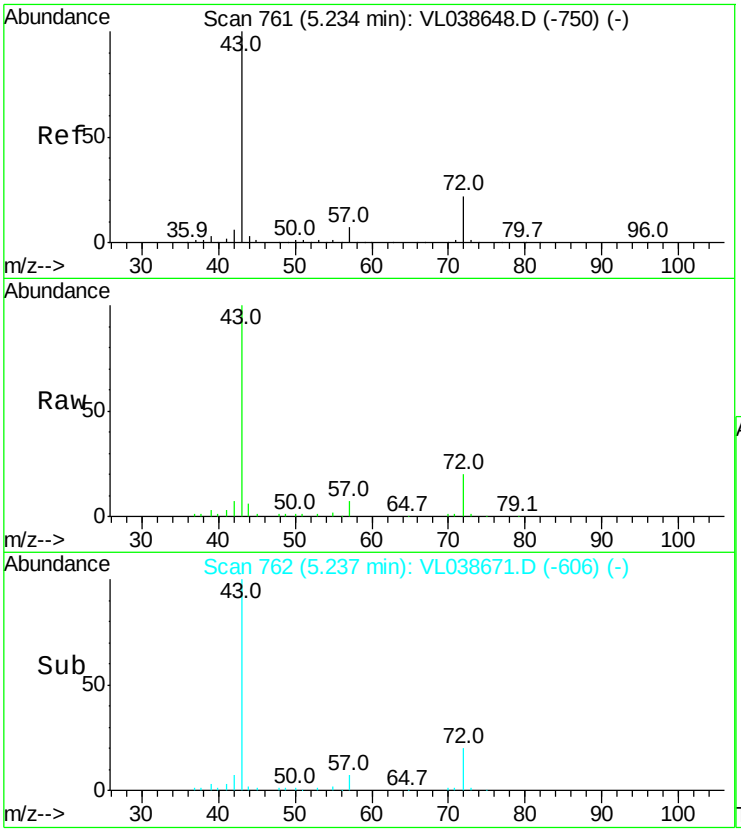


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

Tgt Ion:114 Resp: 2163567

Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.4	29.0
88	17.1	13.9	20.9



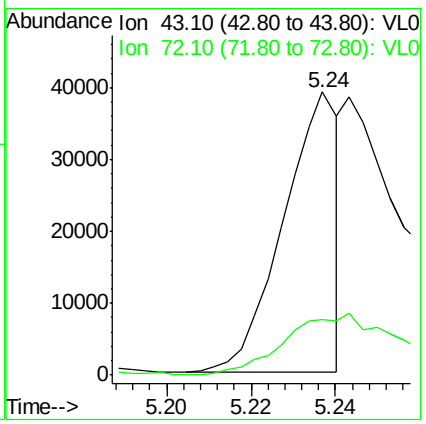


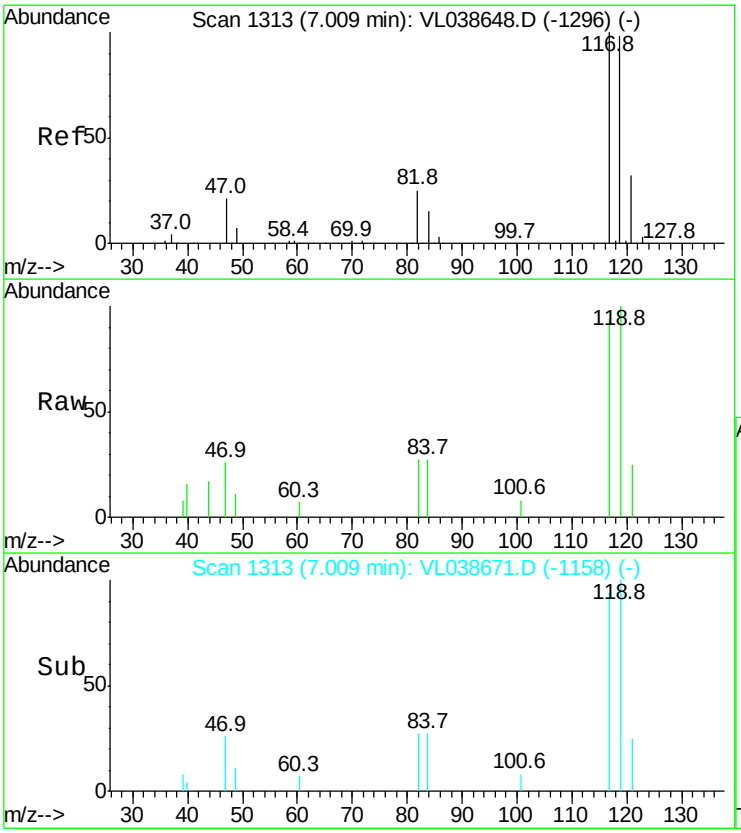
#34
2-Butanone
Concen: 0.41 ppbv
RT: 5.24
Delta R.T
Lab File:
Acq: 22 Mar 2022 4:36

Instrument :
MSVOA_L
ClientSampleId :
C0P84

Tgt Ion: 43 Resp: 35465

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.8	26.8#

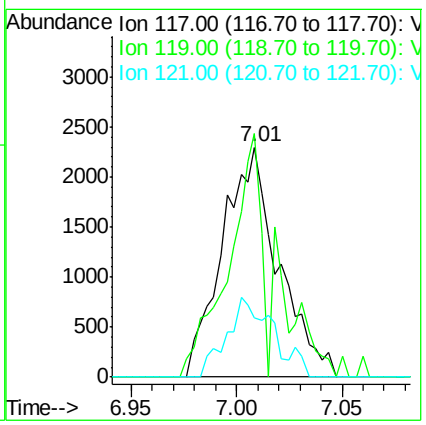


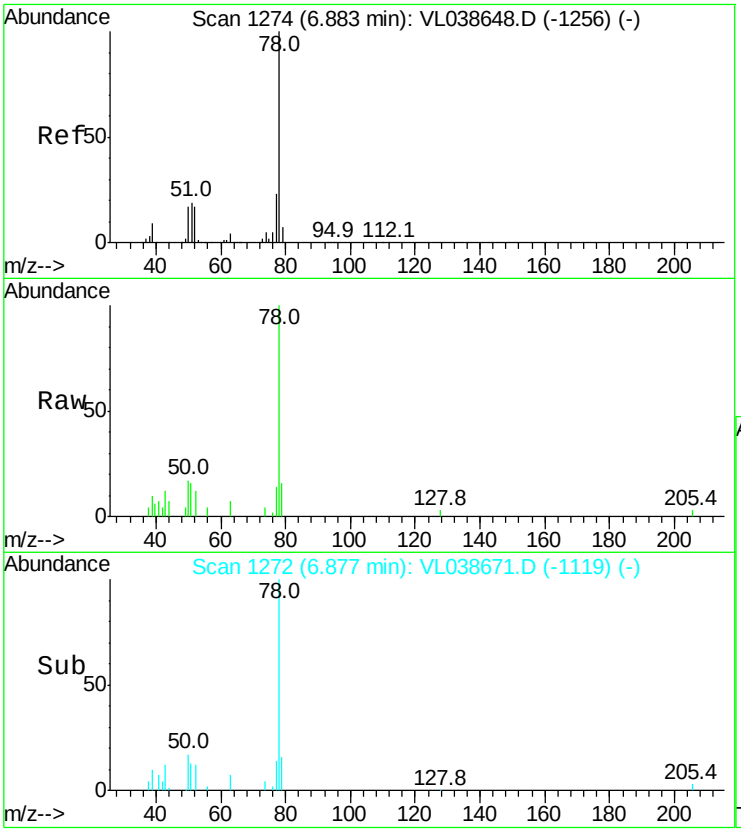


#35
Carbon Tetrachloride
Concen: 0.03 ppbv
RT: 7.01 min Scan# 1313
Delta R.T. -0.00 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

Tgt Ion:117 Resp: 4244

Ion	Ratio	Lower	Upper
117	100		
119	105.9	78.1	117.1
121	26.0	25.8	38.6



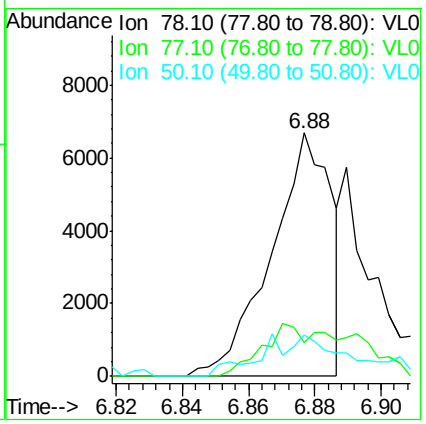


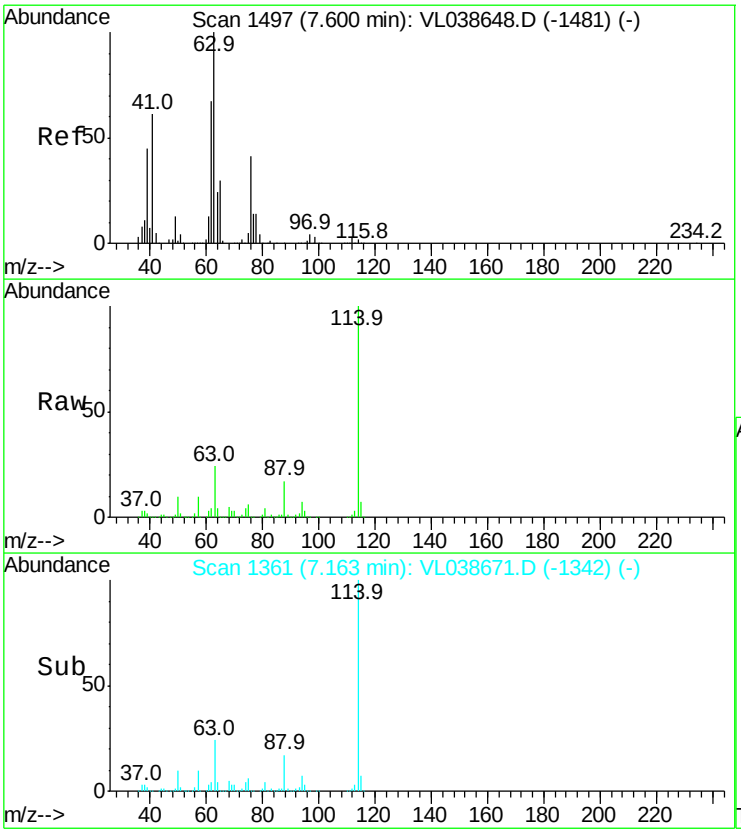
#36
Benzene
Concen: 0.05 ppbv
RT: 6.88
Delta R.T
Lab File:
Acq: 22 Mar 2022 4:36

Instrument :
MSVOA_L
ClientSampleId :
C0P84

Tgt Ion: 78 Resp: 8420

Ion	Ratio	Lower	Upper
78	100		
77	14.0	18.1	27.1#
50	33.2	13.6	20.4#

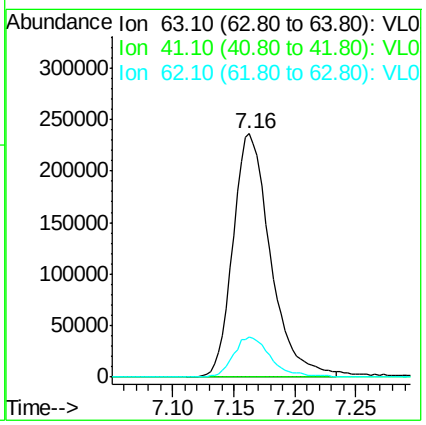


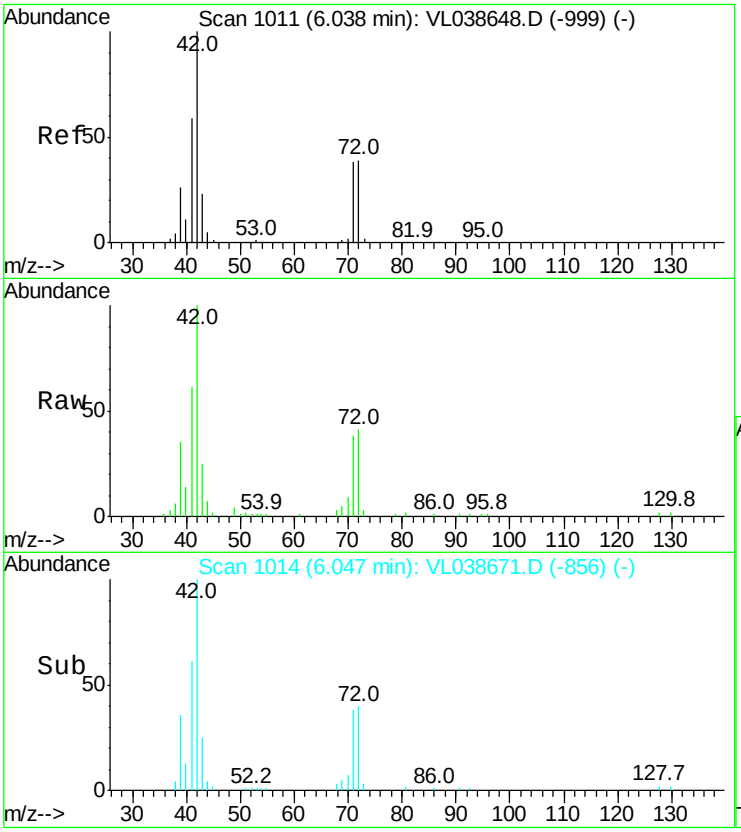


#39
1,2-Dichloropropane
Concen: 7.72 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.44 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

Tgt Ion: 63 Resp: 503860

Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.0	73.6#
62	16.6	53.9	80.9#



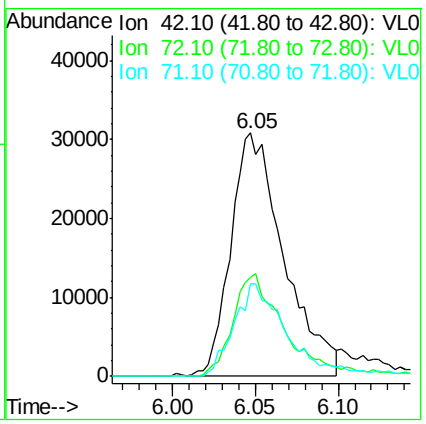


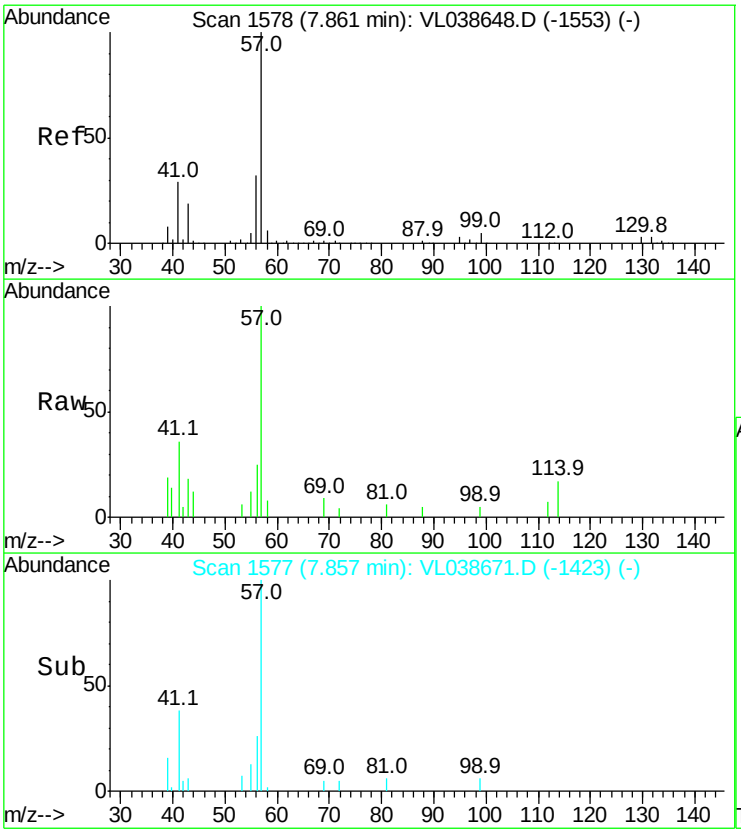
#41
Tetrahydrofuran
Concen: 1.08 ppbv
RT: 6.05
Delta R.T
Lab File:
Acq: 22 Mar 2022 4:36

Instrument :
MSVOA_L
ClientSampleId :
C0P84

Tgt Ion: 42 Resp: 68638

Ion	Ratio	Lower	Upper
42	100		
72	42.4	32.5	48.7
71	39.2	31.4	47.2

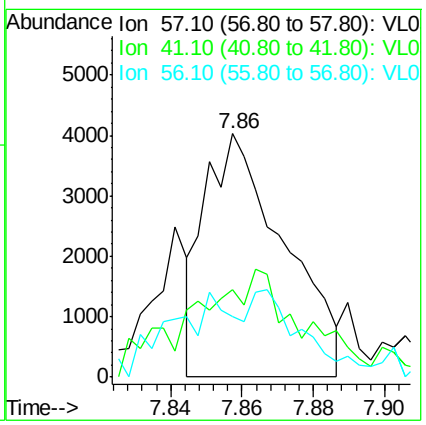


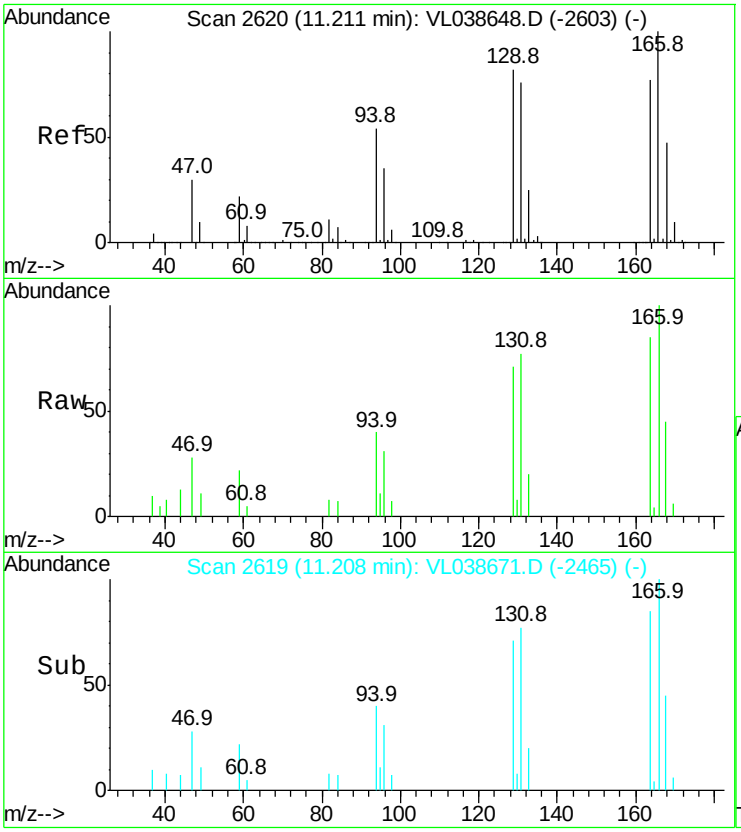


#44
2,2,4-Trimethylpentane
Concen: 0.02 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

Tgt Ion: 57 Resp: 6240

Ion	Ratio	Lower	Upper
57	100		
41	87.3	23.0	34.4#
56	56.5	25.3	37.9#



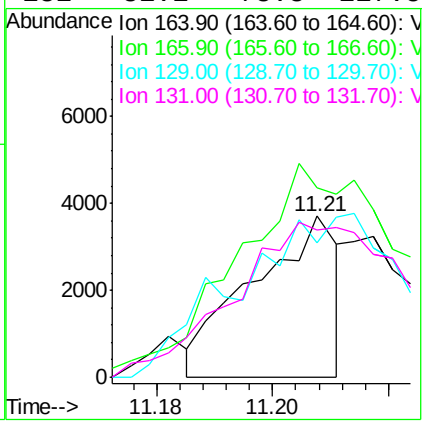


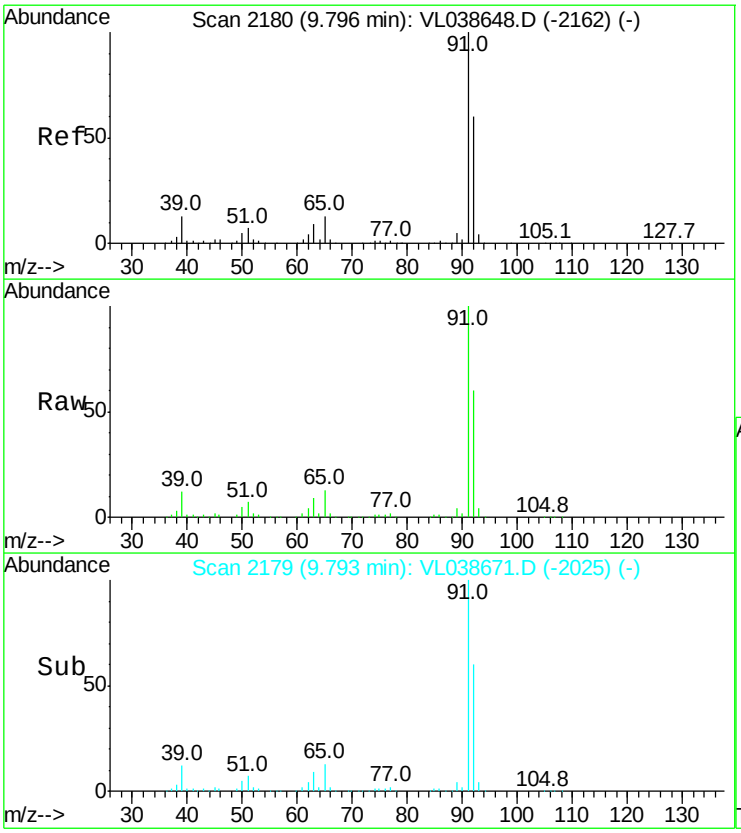
#52
Tetrachloroethene
Concen: 0.06 ppbv
RT: 11.21
Delta R.T
Lab File:
Acq: 22 Mar 2022 4:36

Instrument :
MSVOA_L
ClientSampleId :
C0P84

Tgt Ion:164 Resp: 3767

Ion	Ratio	Lower	Upper
164	100		
166	112.9	103.3	154.9
129	62.4	85.2	127.8#
131	81.1	78.3	117.5

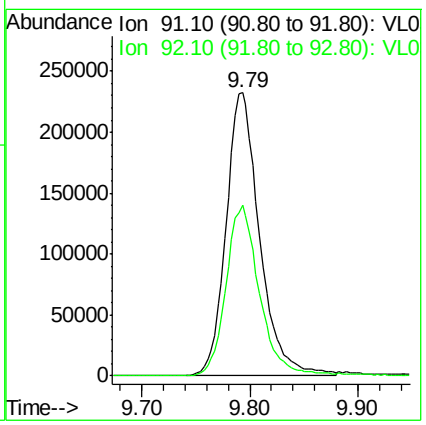


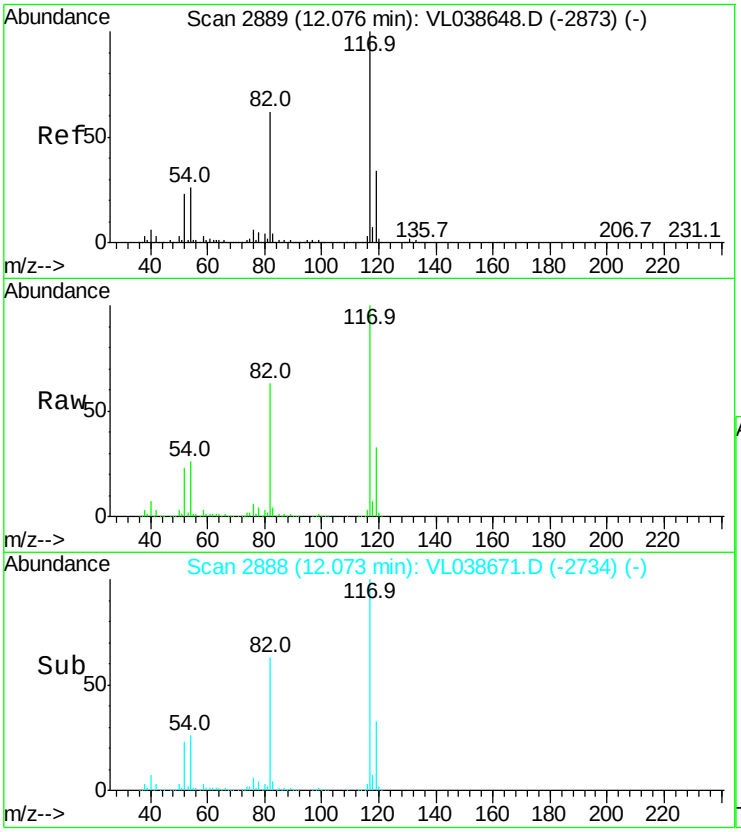


#53
Toluene
Concen: 2.80 ppbv
RT: 9.79 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

Tgt Ion: 91 Resp: 502951

Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.7	73.1



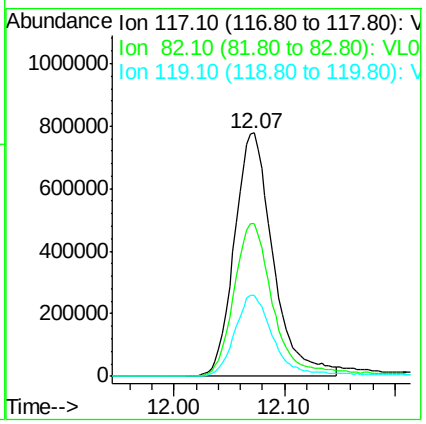


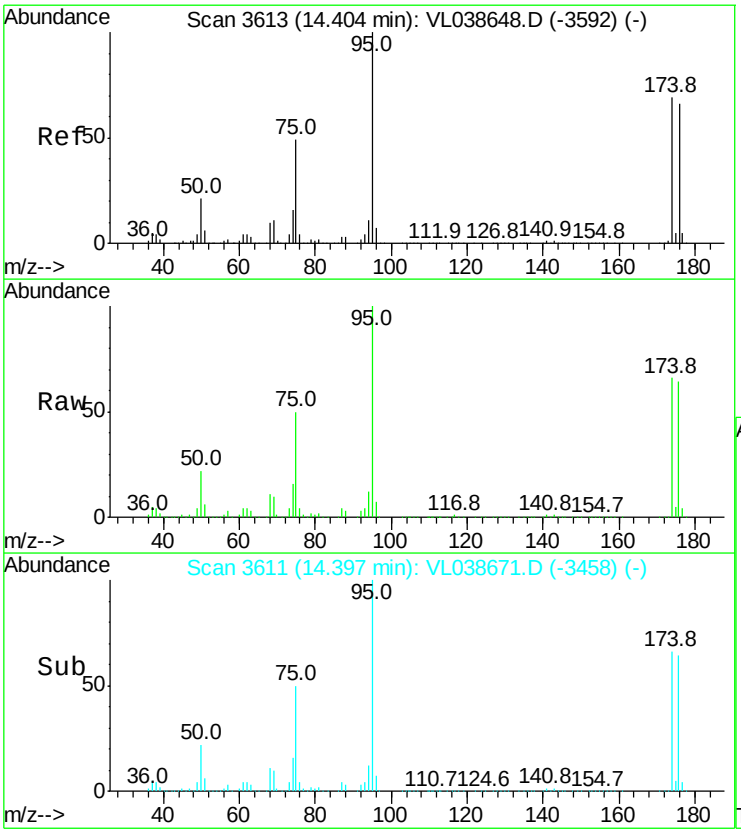
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.07
Delta R.T
Lab File:
Acq: 22 Mar 2022 4:36

Instrument :
MSVOA_L
ClientSampleId :
C0P84

Tgt Ion:117 Resp: 1892419

Ion	Ratio	Lower	Upper
117	100		
82	67.2	51.6	77.4
119	35.2	26.9	40.3

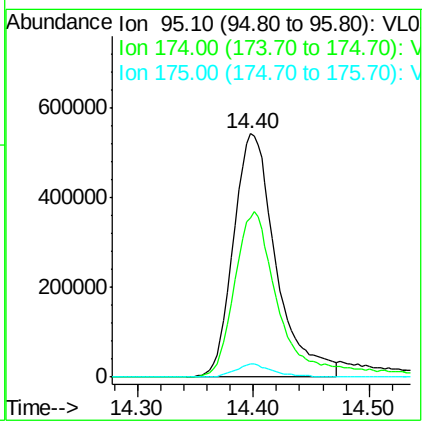


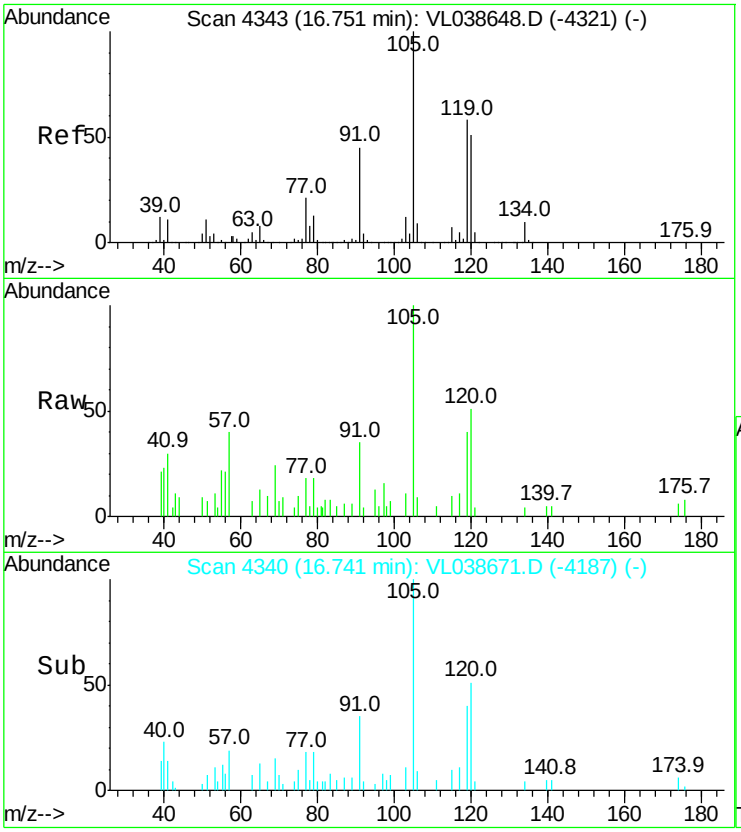


#68
1-Bromo-4-Fluorobenzene
Concen: 9.51 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.01 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

Tgt Ion: 95 Resp: 1380191

Ion	Ratio	Lower	Upper
95	100		
174	73.9	56.1	84.1
175	5.4	4.2	6.2





#74
1,2,4-Trimethylbenzene
Concen: 0.03 ppbv
RT: 16.74
Delta R.T
Lab File:
Acq: 22 Mar 2022 4:36

Instrument :
MSVOA_L
ClientSampleId :
C0P84

Tgt Ion:105 Resp: 5566

Ion	Ratio	Lower	Upper
105	100		
120	48.1	40.5	60.7
91	33.4	35.9	53.9#
77	20.8	16.6	25.0