Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031722\
Data File : VL038636.D
Acq On : 17 Mar 2022 21:46
Operator : SY/AP
Sample : N2003-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : C0PA6

Quant Time: Apr 01 05:44:19 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	786367	10.00	ppbv		0.01
33) 1,4-Difluorobenzene	7.18	114	1970343	10.00	ppbv		0.01
55) Chlorobenzene-d5	12.09	117	1681466	10.00	ppbv		0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	1176726	9.20	ppbv		0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	19104	0.161	ppbv		99
3) Chlorodifluoromethane	3.00	51	31148	0.225	ppbv		95
4) Chloromethane	3.15	50	27953	0.544	ppbv	#	88
6) Bromomethane	3.48	94	1402	0.051	ppbv	#	55
7) Chloroethane	3.56	64	738	0.044	ppbv	#	41
9) Propene	3.03	41	24407	0.499	ppbv	#	81
10) Heptane	8.12	43	7957	0.068	ppbv	#	83
11) Trichlorofluoromethane	3.96	101	25528	0.245	ppbv		90
12) 1,1,2-Trichlorotrifluoroet	4.49	101	4643	0.057	ppbv	#	10
13) Ethanol	3.61	45	108137	19.240	ppbv		96
15) Acetone	3.85	43	375003	6.761	ppbv		99
16) 1,3-Butadiene	3.31	39	1770	0.040	ppbv	#	53
19) Isopropyl Alcohol	3.99	45	23443	0.633	ppbv	#	1
20) Methylene Chloride	4.35	84	135805	4.068	ppbv		96
21) Allyl Chloride	4.36	41	3443	0.064	ppbv	#	56
23) Vinyl Acetate	5.07	43	32113	0.404	ppbv	#	78
25) Ethyl Acetate	5.69	43	96625	0.517	ppbv	#	80
26) Hexane	5.69	57	122776	1.400	ppbv	#	44
34) 2-Butanone	5.25	43	25829	0.506	ppbv	#	54
35) Carbon Tetrachloride	7.02	117	8686	0.065	ppbv	#	74
36) Benzene	6.89	78	21723	0.122	ppbv	#	84
39) 1,2-Dichloropropane	7.18	63	469515	6.866	ppbv	#	26
41) Tetrahydrofuran	6.07	42	2572	0.062	ppbv	#	87
53) Toluene	9.81	91	78876	0.416	ppbv		98
60) o-Xylene	13.69	91	6018	0.034	ppbv		97

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031722\
Data File : VL038636.D
Acq On : 17 Mar 2022 21:46
Operator : SY/AP
Sample : N2003-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Quant Time: Apr 01 05:44:19 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
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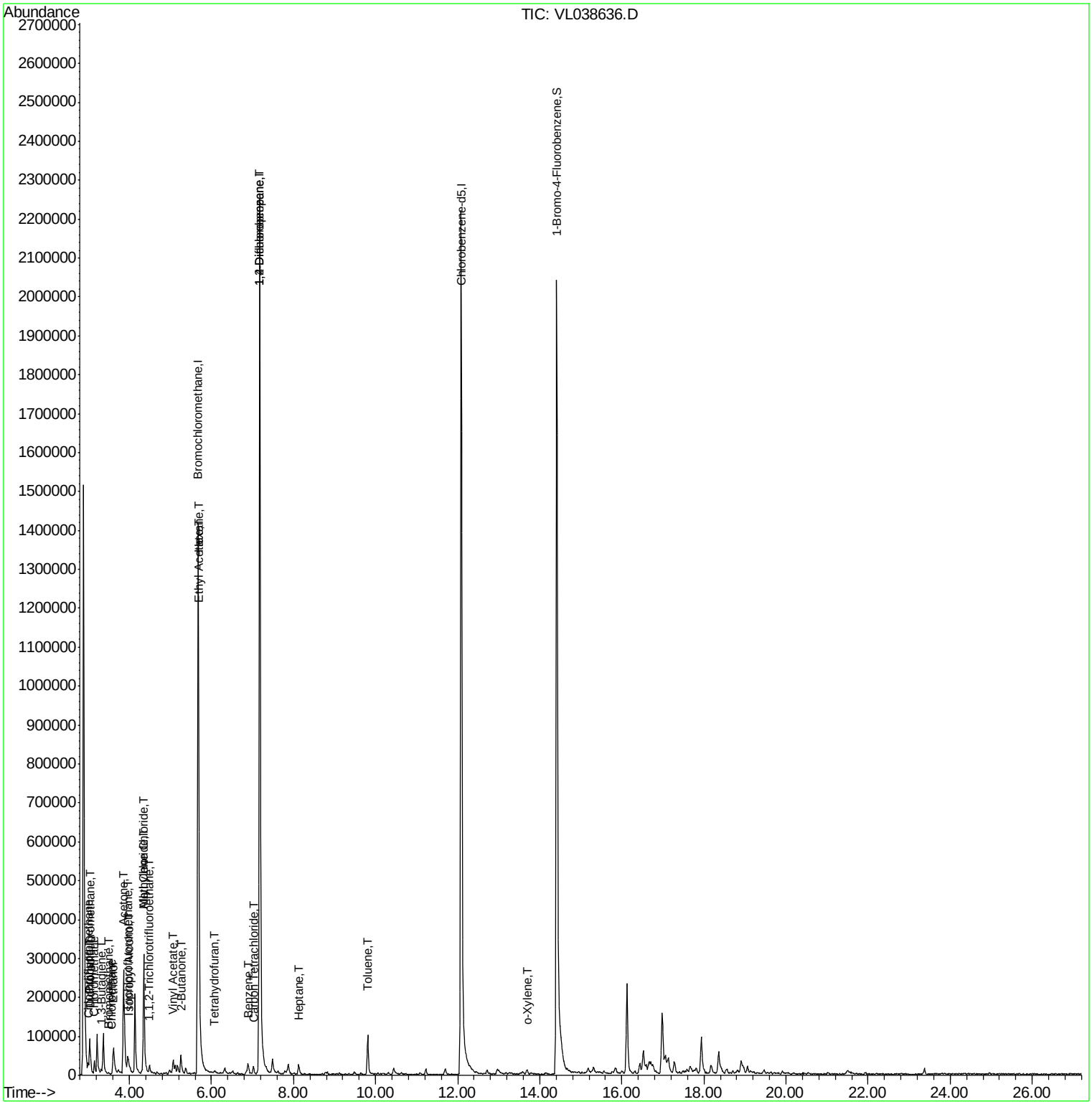
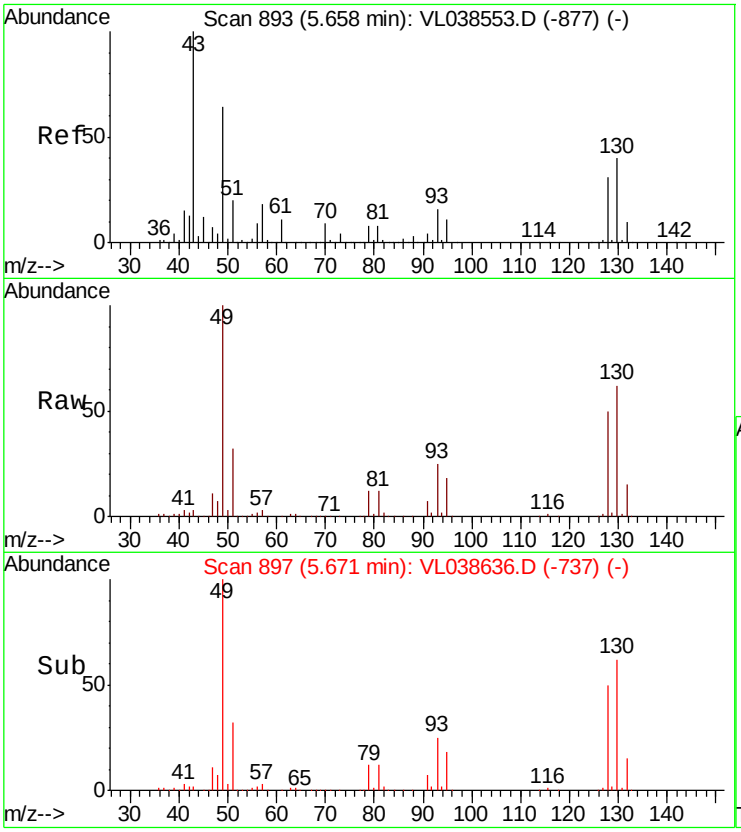
Response via : Initial Calibration



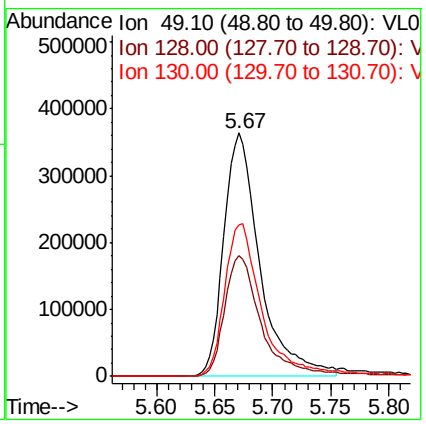


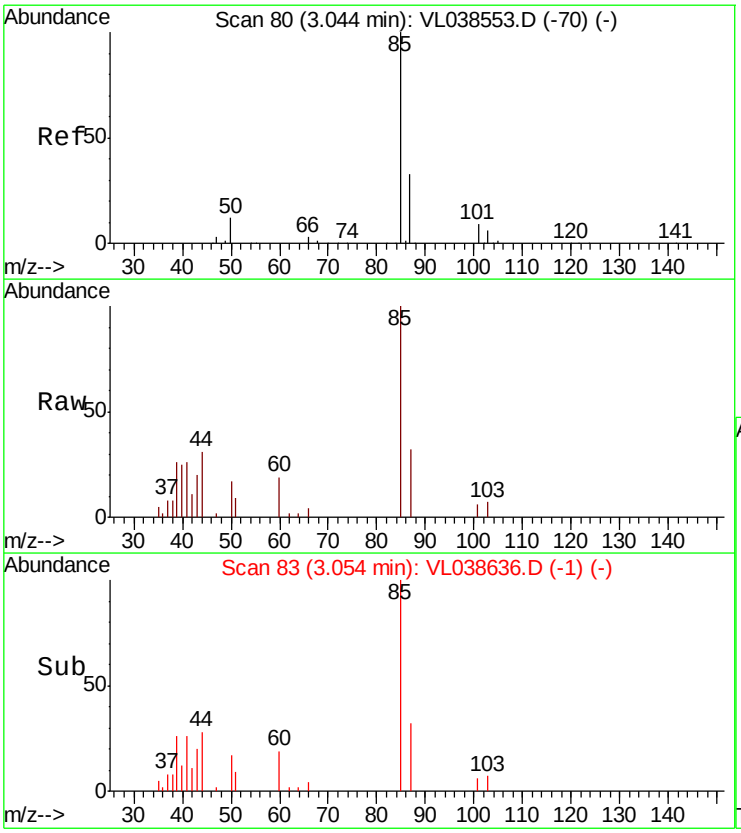
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 17 Mar 2022 21:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 49 Resp: 786367

Ion	Ratio	Lower	Upper
49	100		
128	51.6	26.4	79.2
130	64.8	33.0	98.9

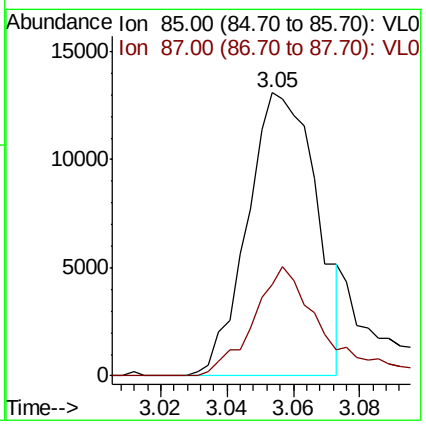


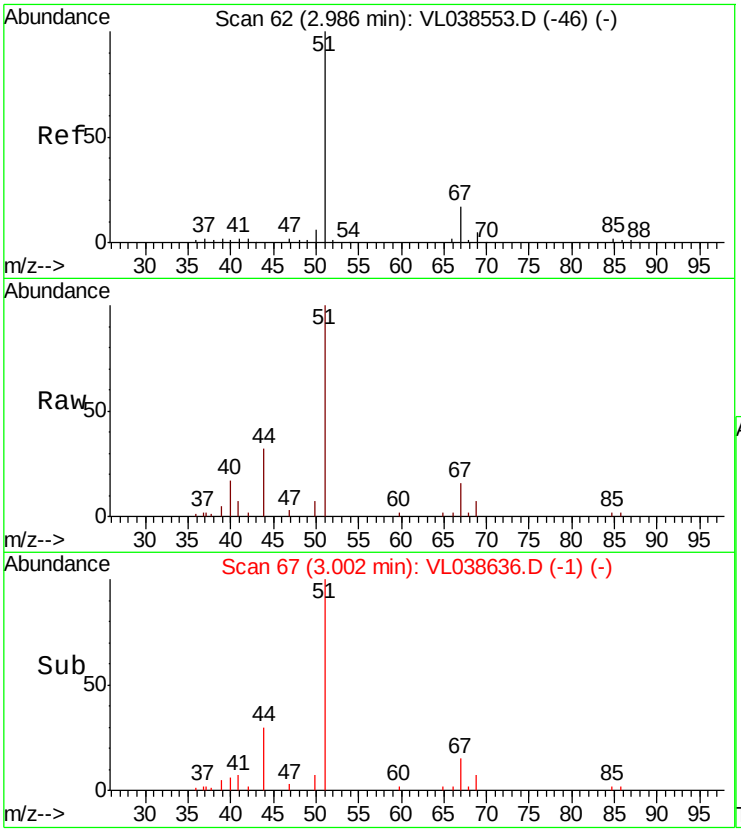


#2
Dichlorodifluoromethane
Concen: 0.161 ppbv
RT: 3.05 min Scan# 83
Delta R.T. 0.01 min
Lab File: VL038636.D
Acq: 17 Mar 2022 21:46

Tgt Ion: 85 Resp: 19104

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.2	39.2



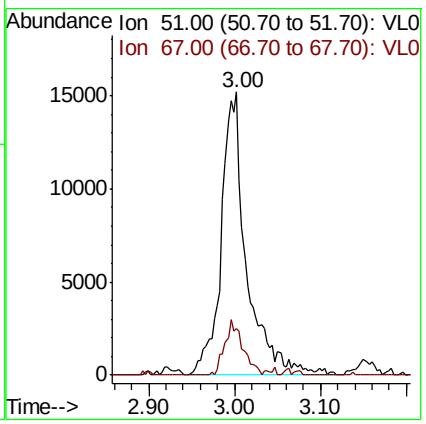


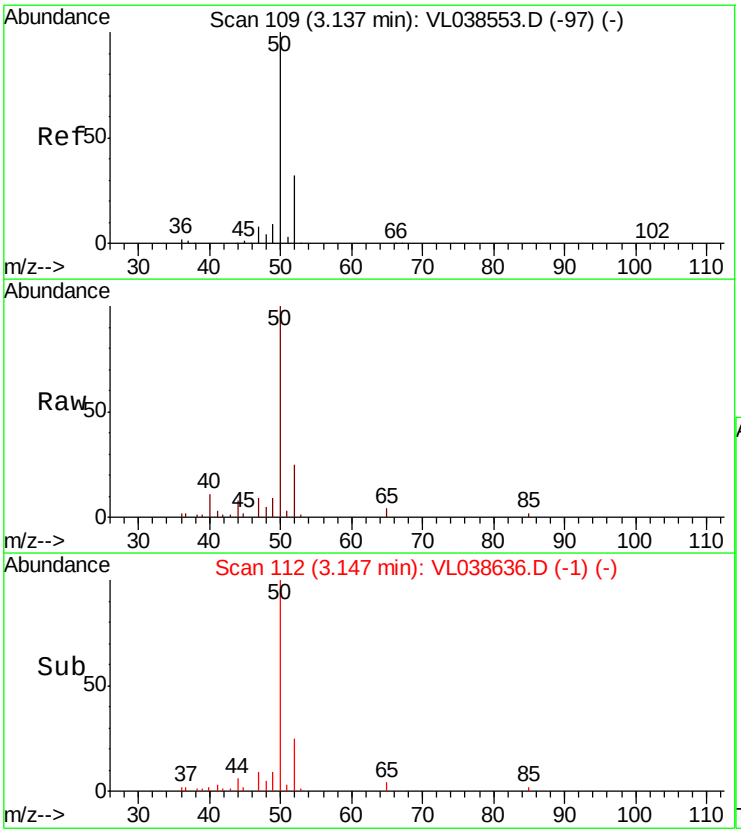
#3
Chlorodifluoromethane
Concen: 0.225 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 17 Mar 2022 21:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 51 Resp: 31148

Ion	Ratio	Lower	Upper
51	100		
67	14.7	13.6	20.4

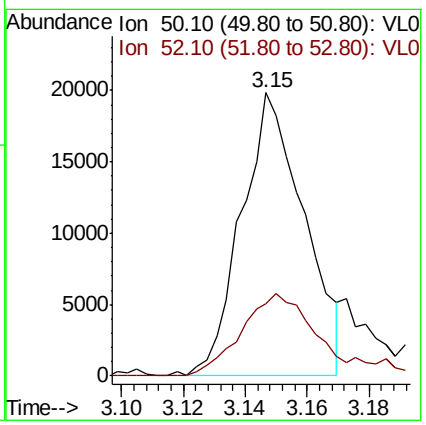


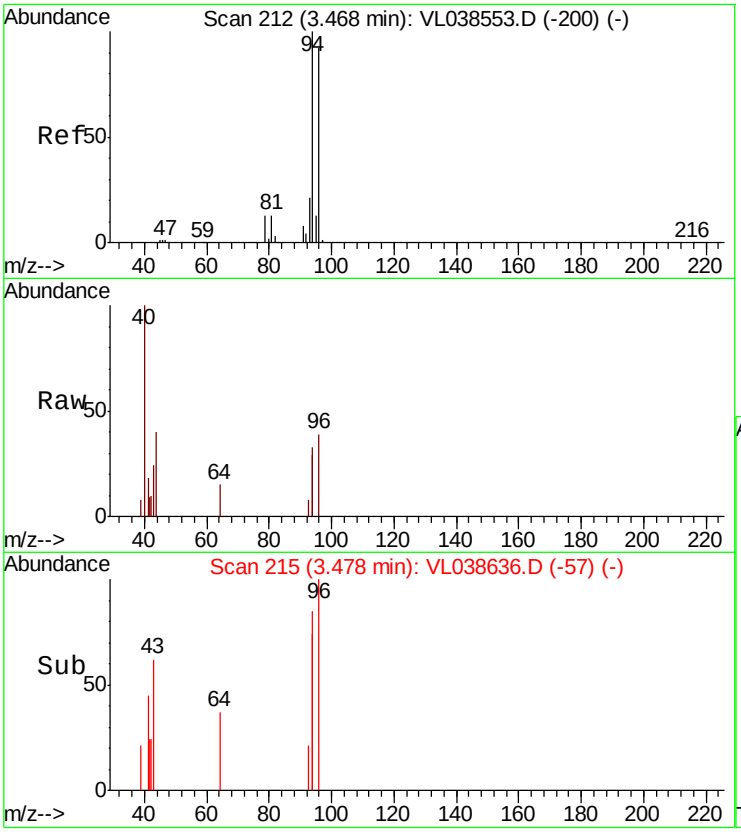


#4
Chloromethane
Concen: 0.544 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.01 min
Lab File: VL038636.D
Acq: 17 Mar 2022 21:46

Tgt Ion: 50 Resp: 27953

Ion	Ratio	Lower	Upper
50	100		
52	25.3	25.6	38.4#



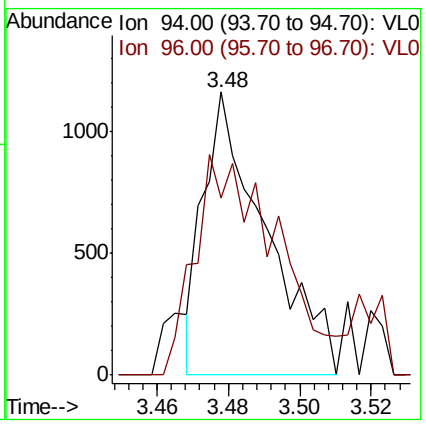


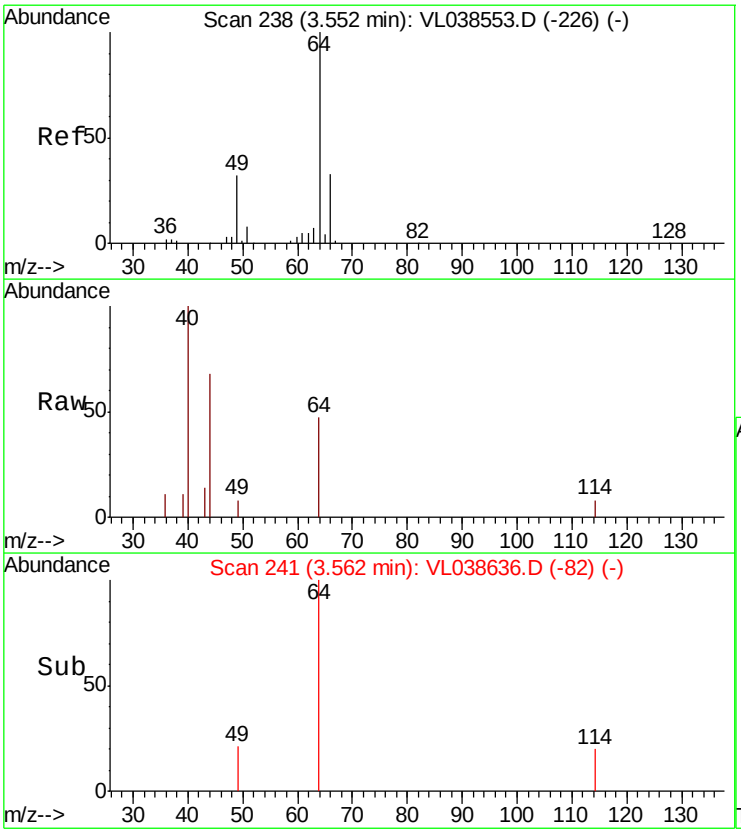
#6
Bromomethane
Concen: 0.051 ppbv
RT: 3.48
Delta R.T
Lab File:
Acq: 17 Mar 2022 21:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 94 Resp: 1402

Ion	Ratio	Lower	Upper
94	100		
96	48.9	73.7	110.5#

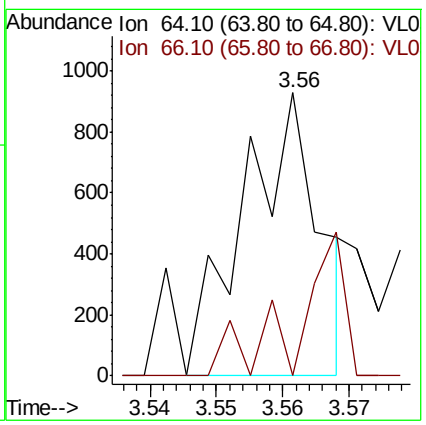


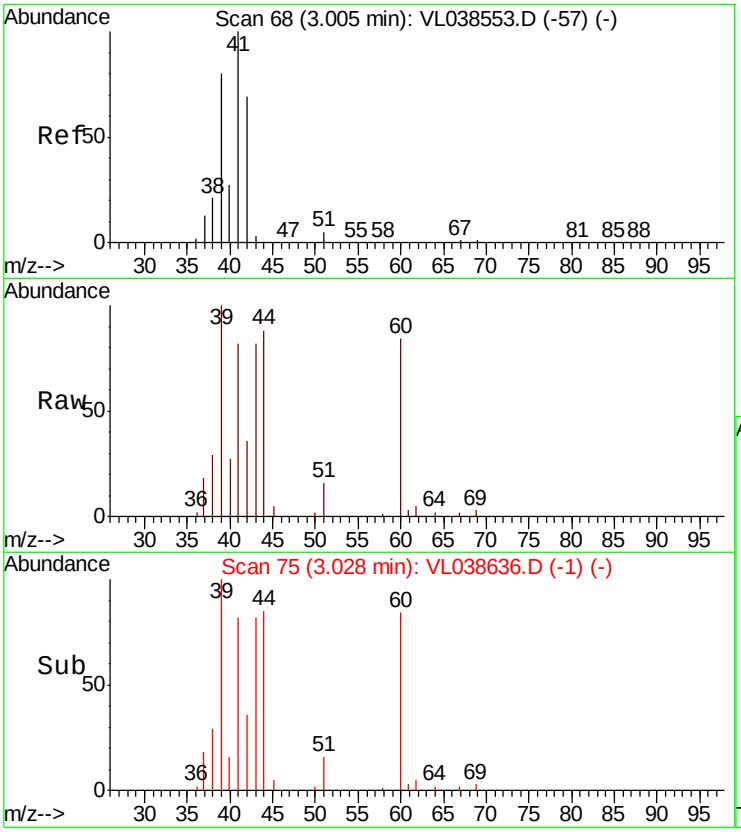


#7
Chloroethane
Concen: 0.044 ppbv
RT: 3.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VL038636.D
Acq: 17 Mar 2022 21:46

Tgt Ion: 64 Resp: 738

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.6	39.8#



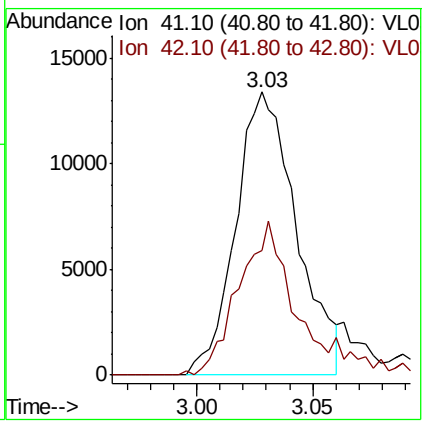


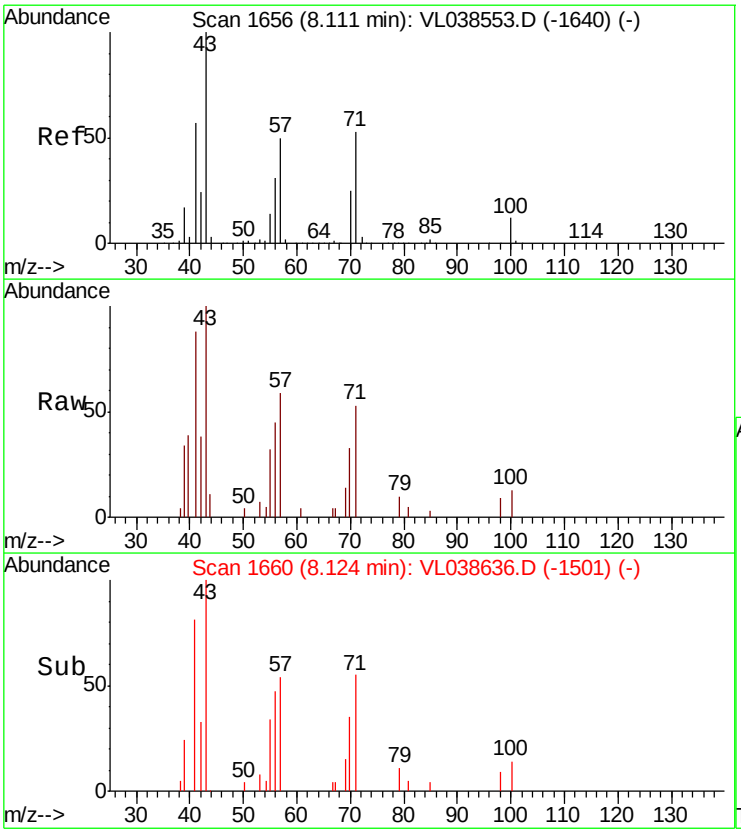
#9
Propene
Concen: 0.499 ppbv
RT: 3.03
Delta R.T
Lab File:
Acq: 17 Mar 2022 21:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 41 Resp: 24407

Ion	Ratio	Lower	Upper
41	100		
42	53.7	55.7	83.5#

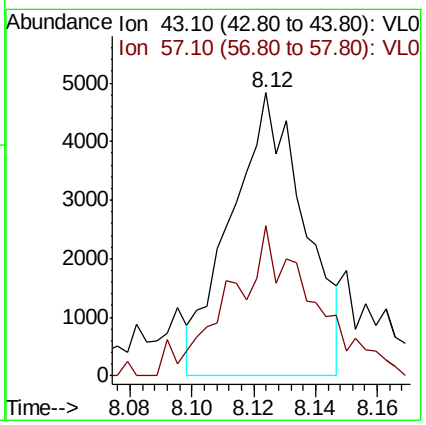


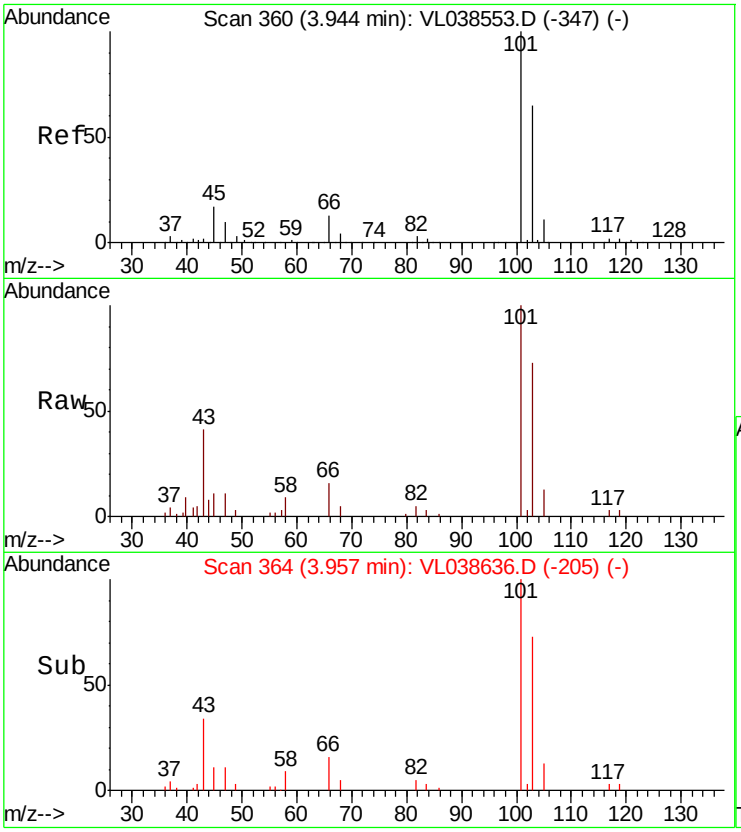


#10
Heptane
Concen: 0.068 ppbv
RT: 8.12 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VL038636.D
Acq: 17 Mar 2022 21:46

Tgt Ion: 43 Resp: 7957

Ion	Ratio	Lower	Upper
43	100		
57	61.2	39.6	59.4#



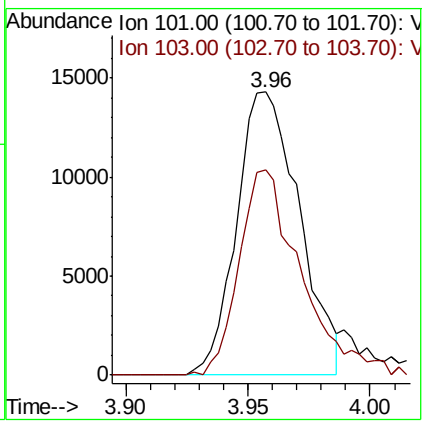


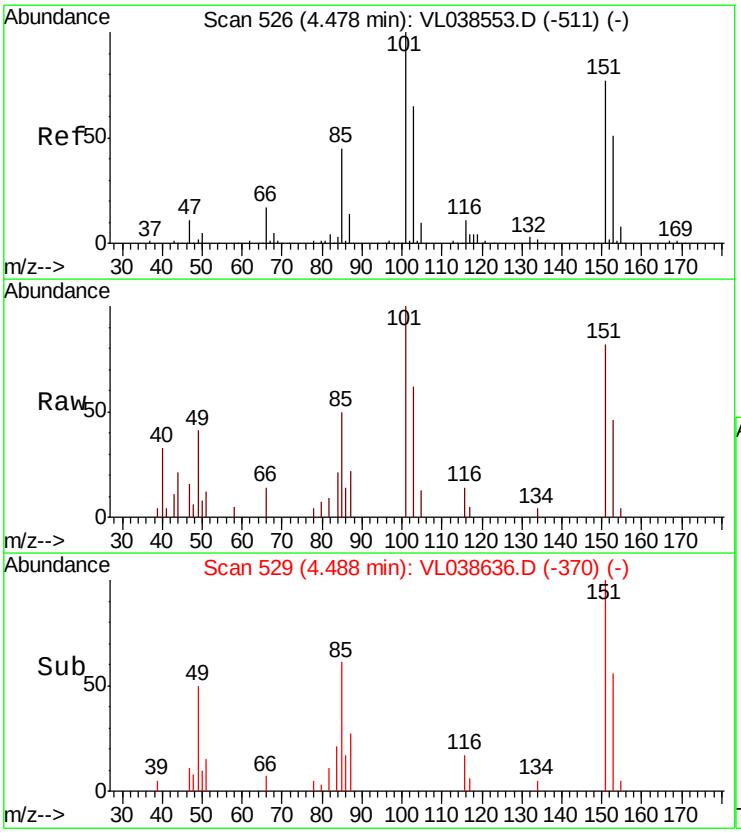
#11
Trichlorofluoromethane
Concen: 0.245 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 17 Mar 2022 21:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion:101 Resp: 25528

Ion	Ratio	Lower	Upper
101	100		
103	72.6	52.0	78.0

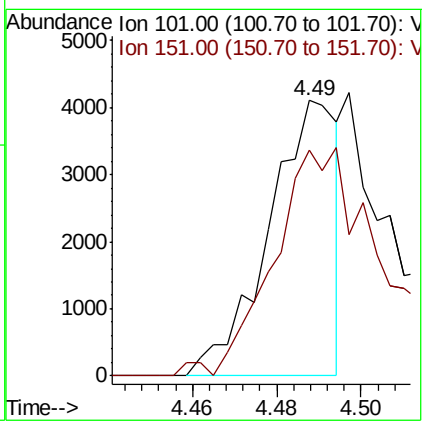


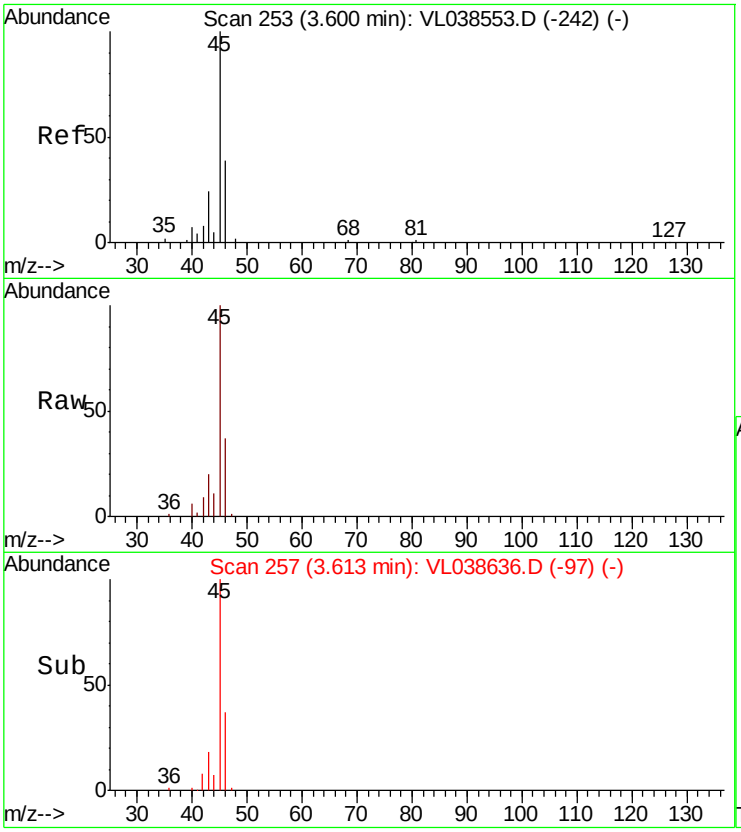


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.057 ppbv
RT: 4.49 min Scan# 529
Delta R.T. 0.01 min
Lab File: VL038636.D
Acq: 17 Mar 2022 21:46

Tgt Ion:101 Resp: 4643

Ion	Ratio	Lower	Upper
101	100		
151	0.0	63.4	95.0#



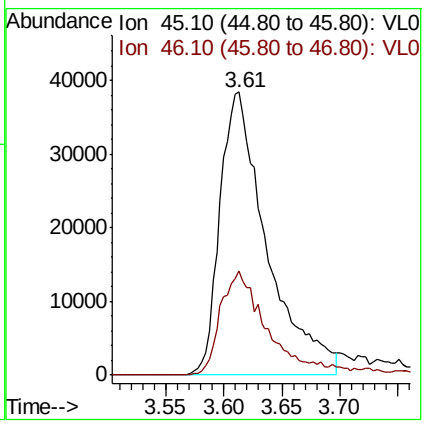


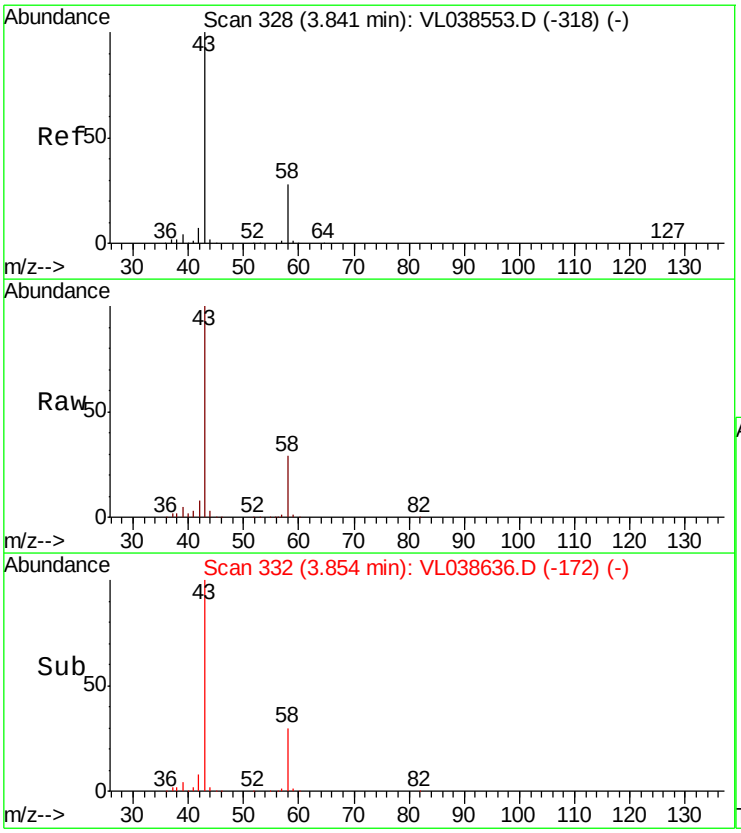
#13
Ethanol
Concen: 19.240 ppbv
RT: 3.61
Delta R.T
Lab File:
Acq: 17 Mar 2022 21:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 45 Resp: 108137

Ion	Ratio	Lower	Upper
45	100		
46	39.1	16.8	67.0

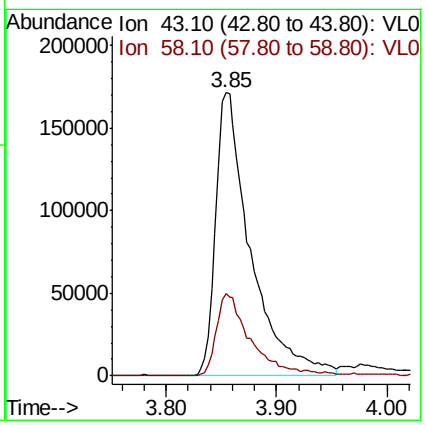


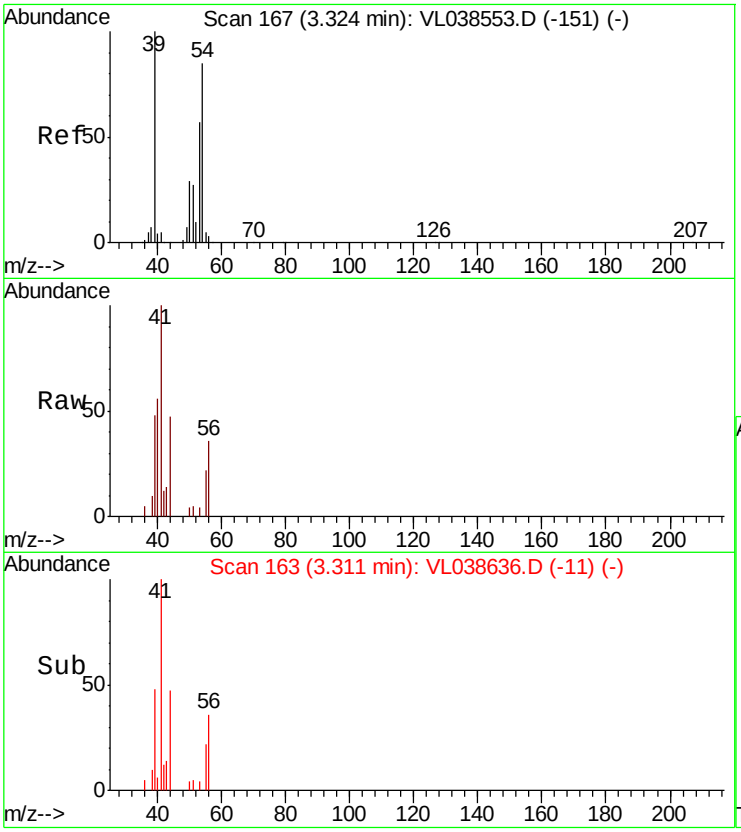


#15
Acetone
Concen: 6.761 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL038636.D
Acq: 17 Mar 2022 21:46

Tgt Ion: 43 Resp: 375003

Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.7	34.1



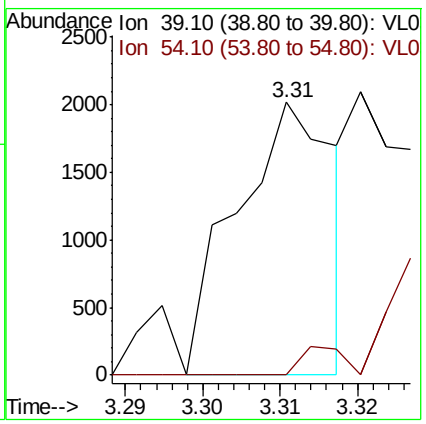


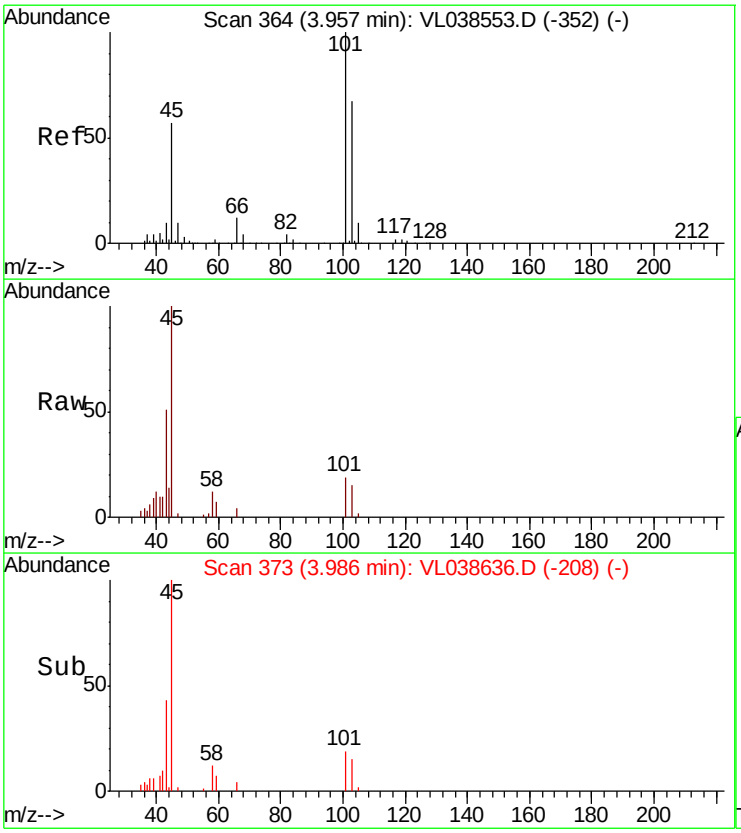
#16
1,3-Butadiene
Concen: 0.040 ppbv
RT: 3.31
Delta R.T
Lab File:
Acq: 17 Mar 2022 21:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 39 Resp: 1770

Ion	Ratio	Lower	Upper
39	100		
54	122.1	64.2	96.2#

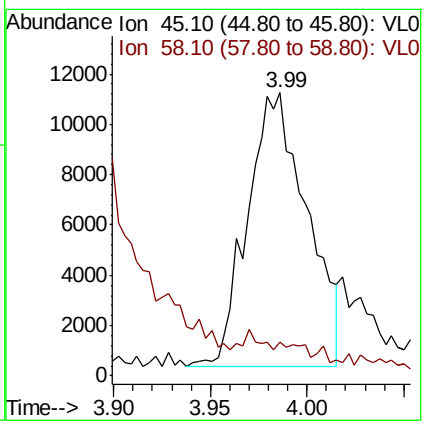


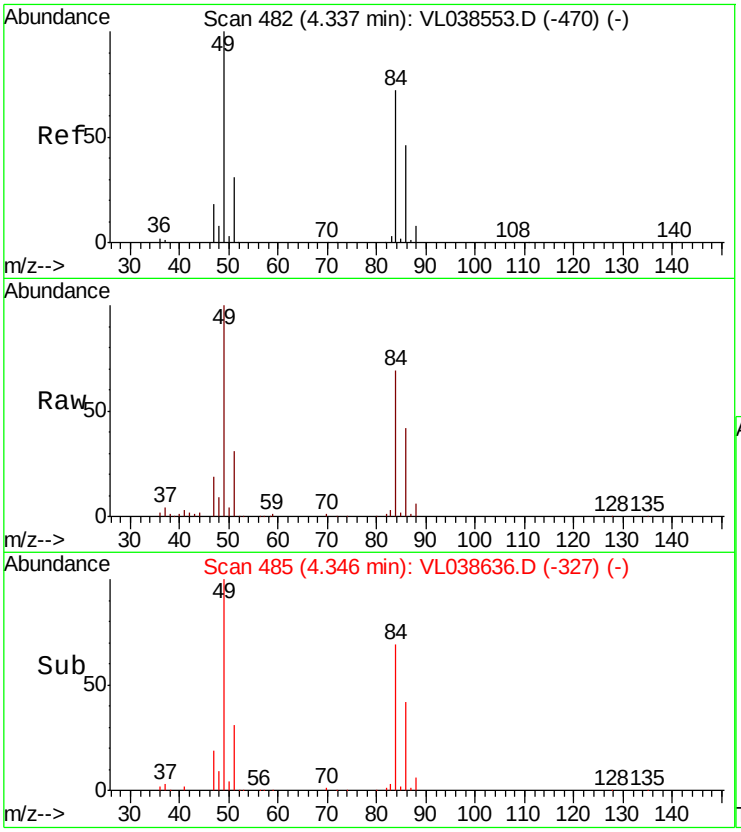


#19
Isopropyl Alcohol
Concen: 0.633 ppbv
RT: 3.99 min Scan# 373
Delta R.T. 0.03 min
Lab File: VL038636.D
Acq: 17 Mar 2022 21:46

Tgt Ion: 45 Resp: 23443

Ion	Ratio	Lower	Upper
45	100		
58	462.3	2.2	3.2#



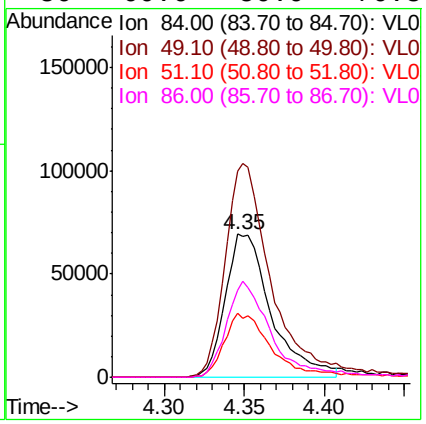


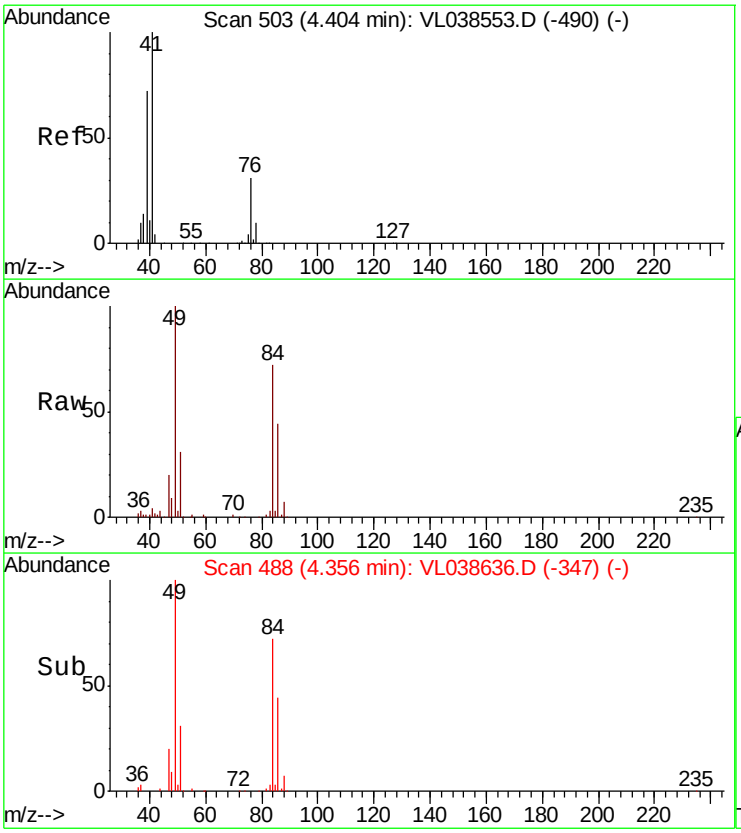
#20
Methylene Chloride
Concen: 4.068 ppbv
RT: 4.35
Delta R.T
Lab File:
Acq: 17 Mar 2022 21:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 84 Resp: 135805

Ion	Ratio	Lower	Upper
84	100		
49	144.1	111.1	166.7
51	44.8	34.0	51.0
86	60.6	50.9	76.3

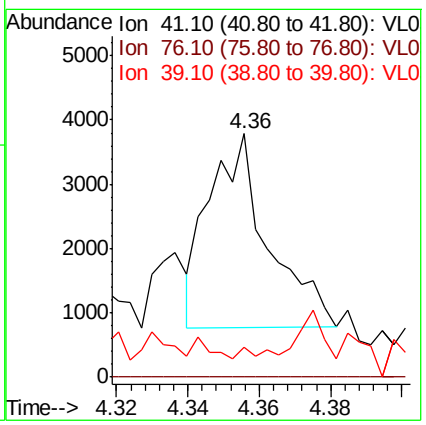


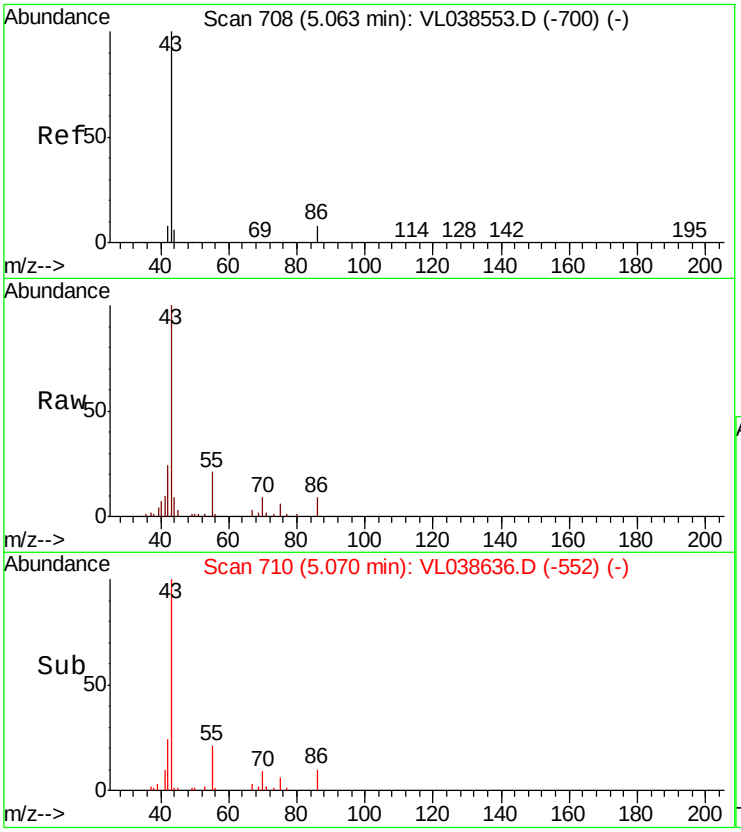


#21
Allyl Chloride
Concen: 0.064 ppbv
RT: 4.36 min Scan# 488
Delta R.T. -0.05 min
Lab File: VL038636.D
Acq: 17 Mar 2022 21:46

Tgt Ion: 41 Resp: 3443

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.3	36.5#
39	39.3	57.1	85.7#



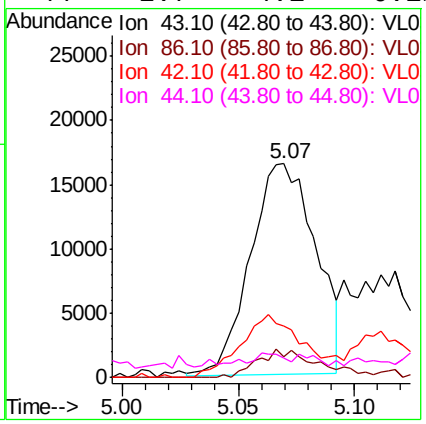


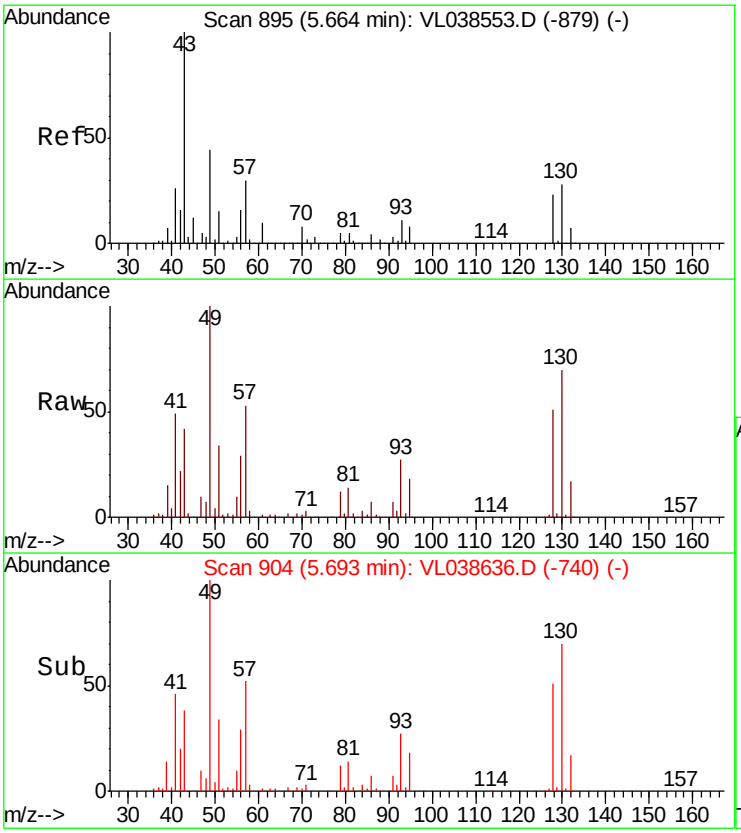
#23
Vinyl Acetate
Concen: 0.404 ppbv
RT: 5.07
Delta R.T
Lab File:
Acq: 17 Mar 2022 21:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 43 Resp: 32113

Ion	Ratio	Lower	Upper
43	100		
86	9.6	5.6	8.4#
42	24.2	7.1	10.7#
44	2.7	4.1	6.1#

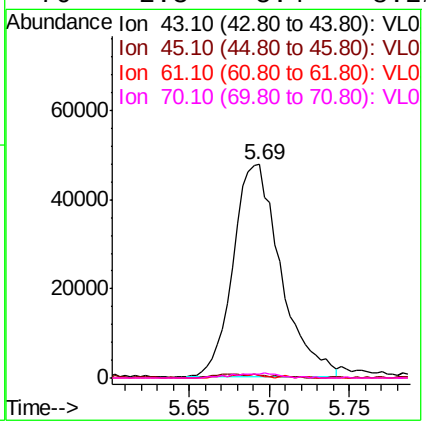


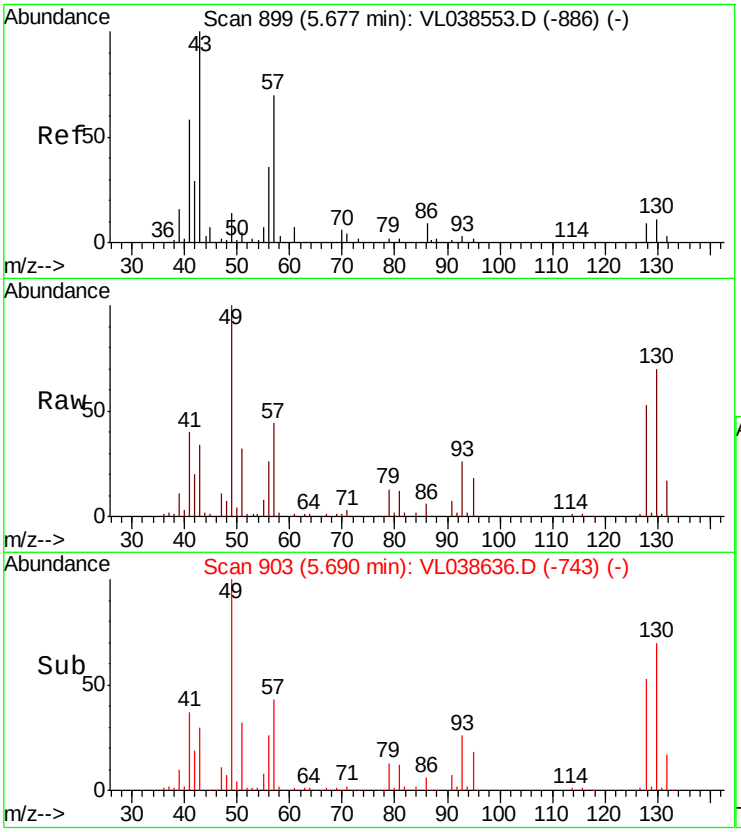


#25
Ethyl Acetate
Concen: 0.517 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.03 min
Lab File: VL038636.D
Acq: 17 Mar 2022 21:46

Tgt Ion: 43 Resp: 96625

Ion	Ratio	Lower	Upper
43	100		
45	2.0	8.0	12.0#
61	1.6	8.2	12.4#
70	2.3	5.4	8.2#



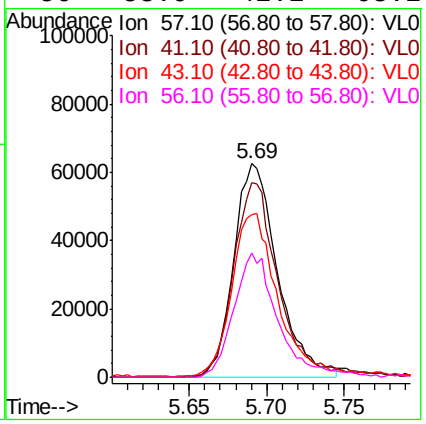


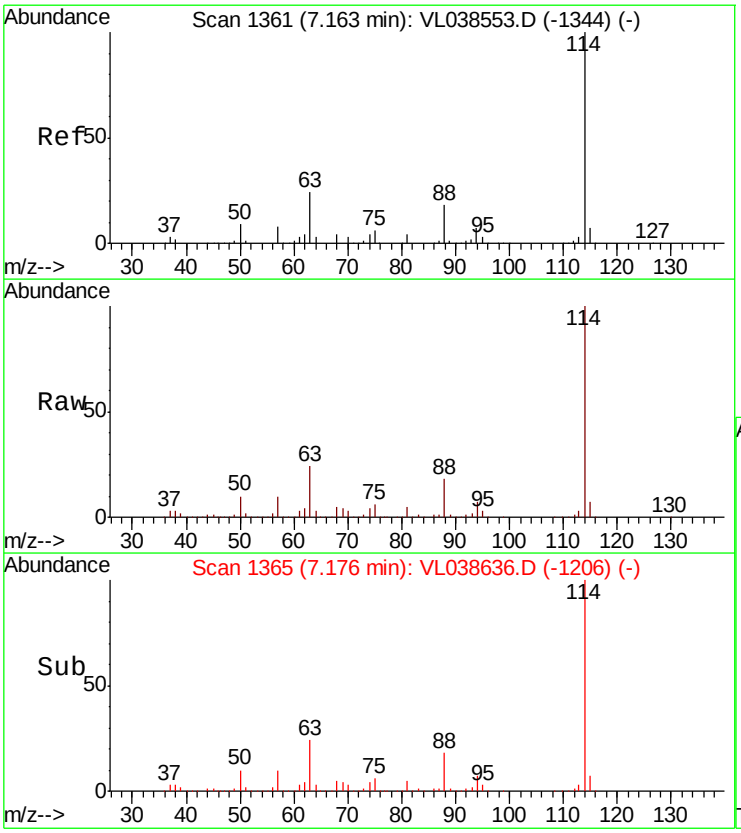
#26
Hexane
Concen: 1.400 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 17 Mar 2022 21:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 57 Resp: 122776

Ion	Ratio	Lower	Upper
57	100		
41	95.5	67.8	101.6
43	83.1	173.6	260.4#
56	58.9	42.2	63.2

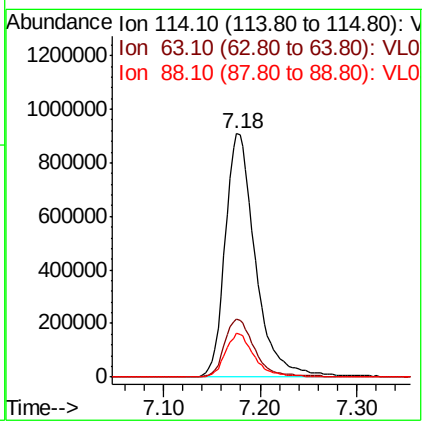


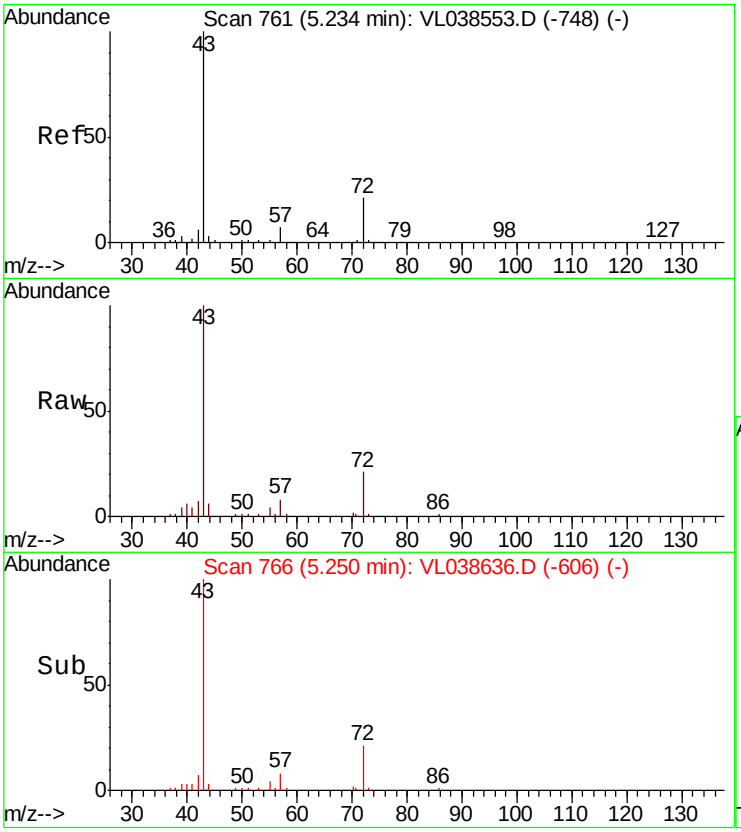


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.01 min
Lab File: VL038636.D
Acq: 17 Mar 2022 21:46

Tgt Ion:114 Resp: 1970343

Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	17.6	13.9	20.9



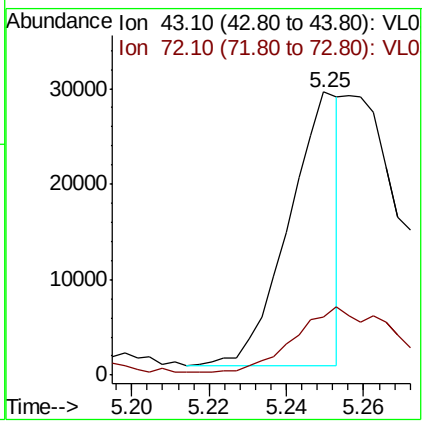


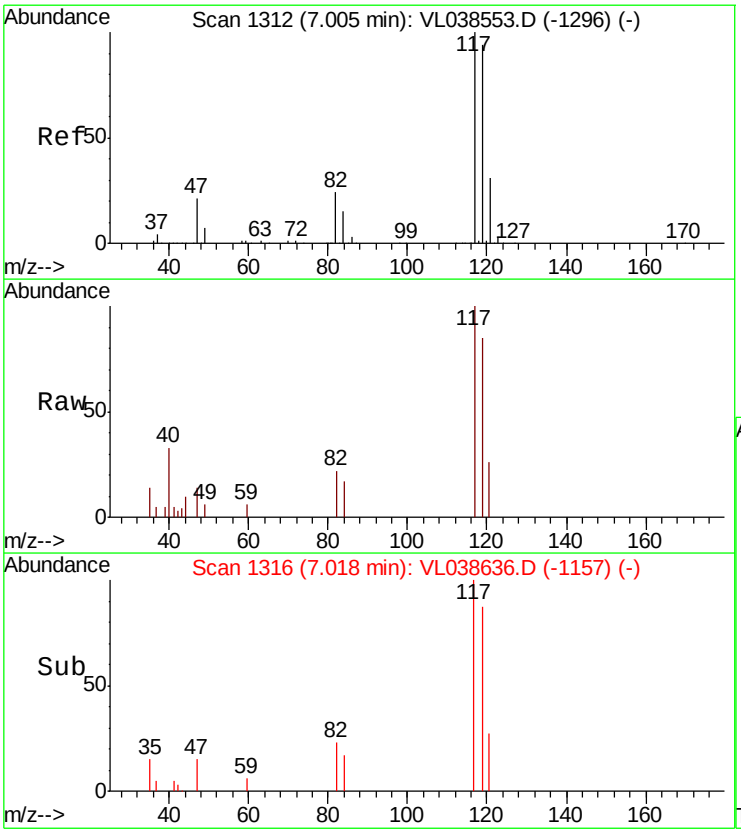
#34
2-Butanone
Concen: 0.506 ppbv
RT: 5.25
Delta R.T
Lab File:
Acq: 17 Mar 2022 21:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 43 Resp: 25829

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.8	26.6#

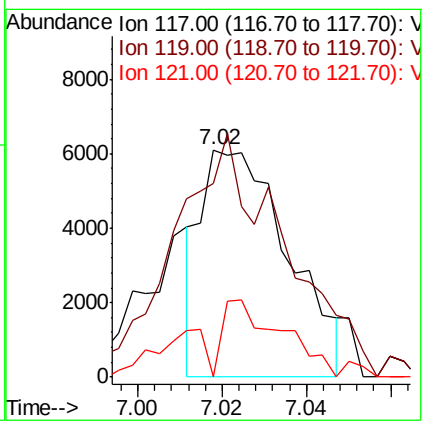


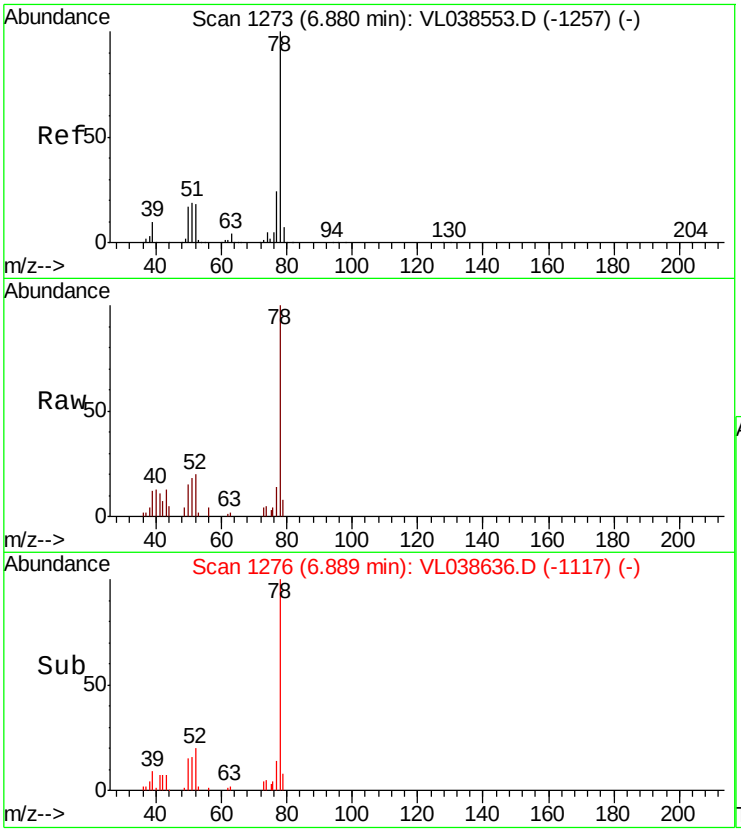


#35
Carbon Tetrachloride
Concen: 0.065 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VL038636.D
Acq: 17 Mar 2022 21:46

Tgt Ion:117 Resp: 8686

Ion	Ratio	Lower	Upper
117	100		
119	78.3	75.2	112.8
121	0.0	24.8	37.2#



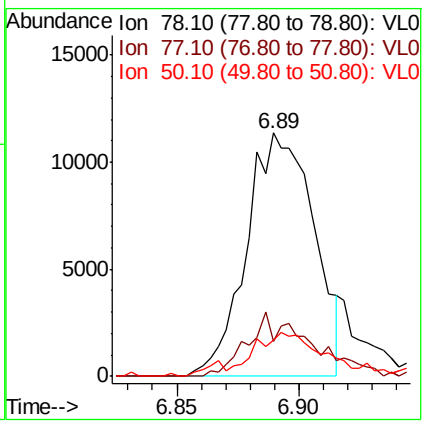


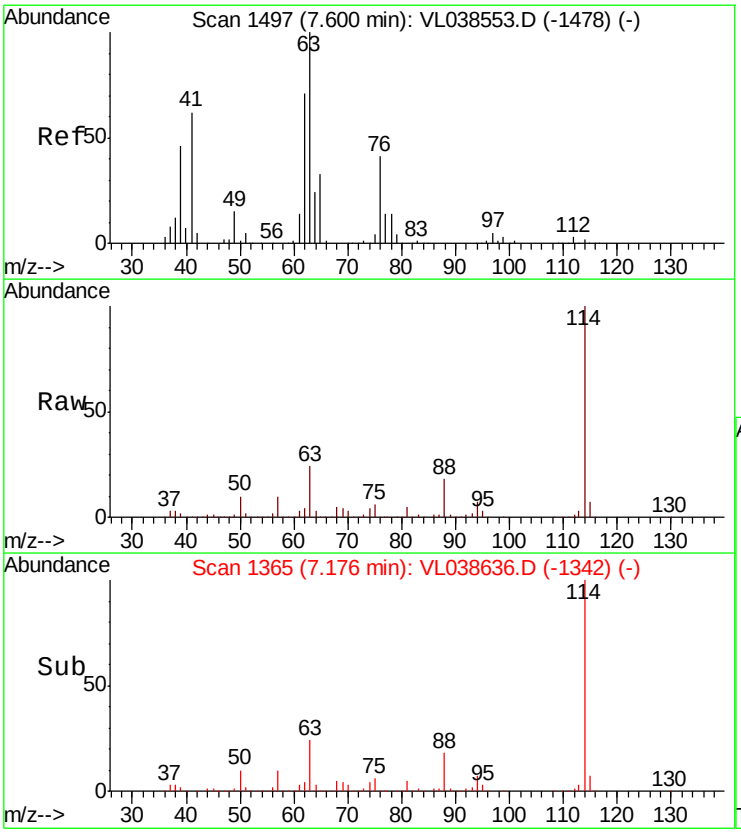
#36
Benzene
Concen: 0.122 ppbv
RT: 6.89
Delta R.T
Lab File:
Acq: 17 Mar 2022 21:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 78 Resp: 21723

Ion	Ratio	Lower	Upper
78	100		
77	13.2	19.0	28.4#
50	13.7	13.9	20.9#

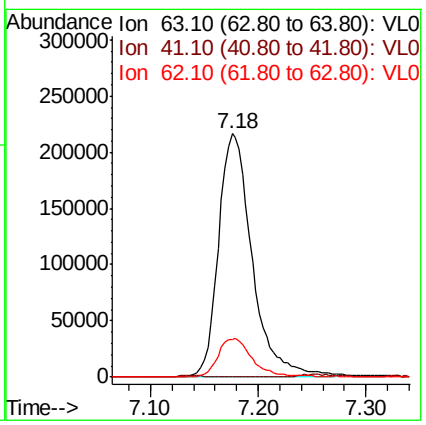


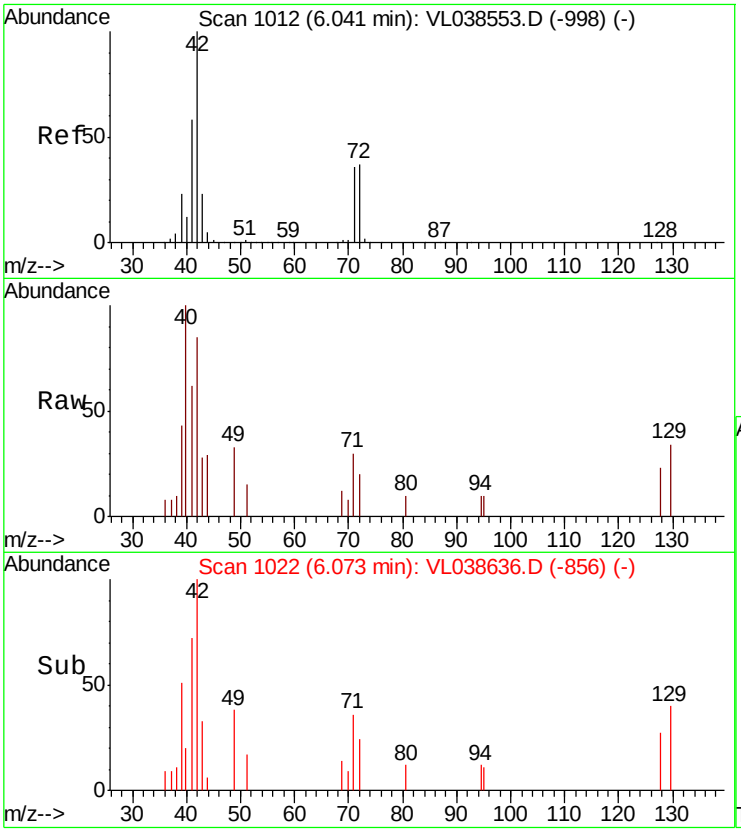


#39
1,2-Dichloropropane
Concen: 6.866 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.42 min
Lab File: VL038636.D
Acq: 17 Mar 2022 21:46

Tgt Ion: 63 Resp: 469515

Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	15.2	56.7	85.1#



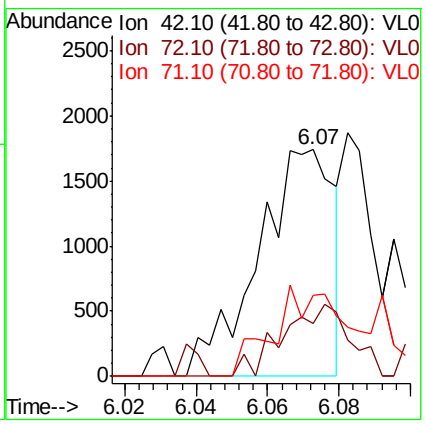


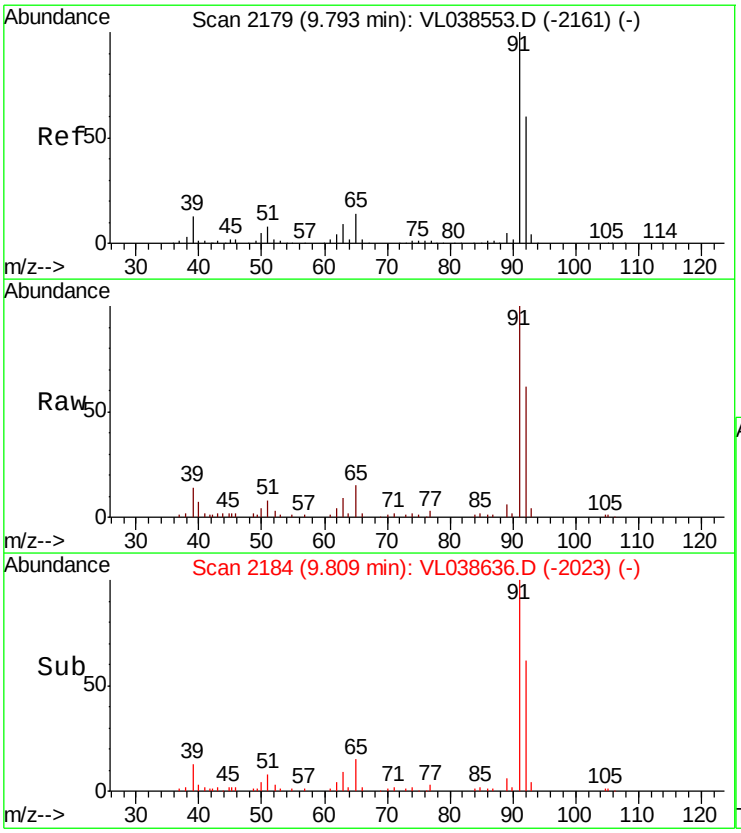
#41
Tetrahydrofuran
Concen: 0.062 ppbv
RT: 6.07
Delta R.T
Lab File:
Acq: 17 Mar 2022 21:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 42 Resp: 2572

Ion	Ratio	Lower	Upper
42	100		
72	31.3	30.9	46.3
71	45.2	29.1	43.7#

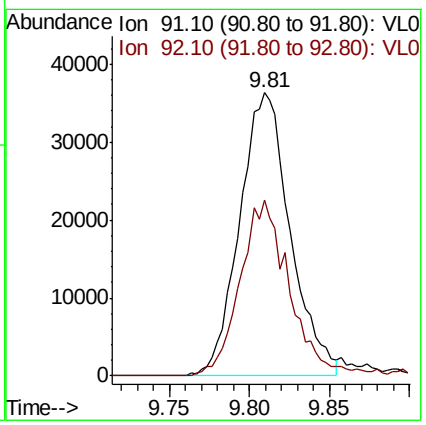


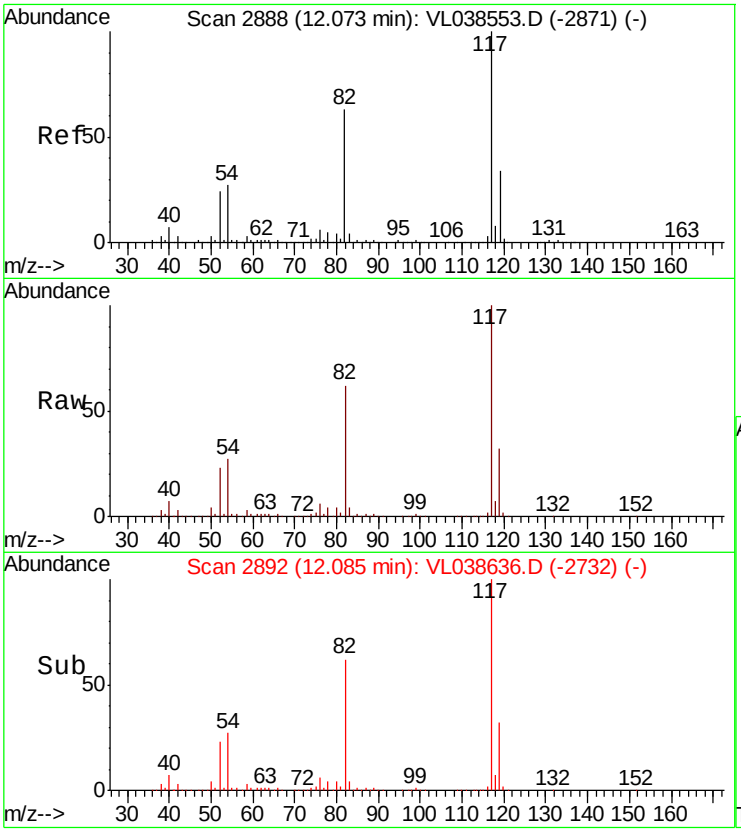


#53
Toluene
Concen: 0.416 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. 0.02 min
Lab File: VL038636.D
Acq: 17 Mar 2022 21:46

Tgt Ion: 91 Resp: 78876

Ion	Ratio	Lower	Upper
91	100		
92	61.6	48.1	72.1



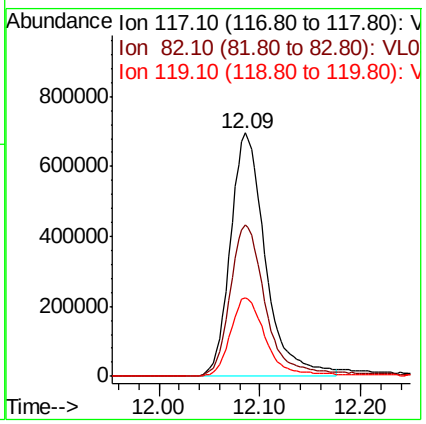


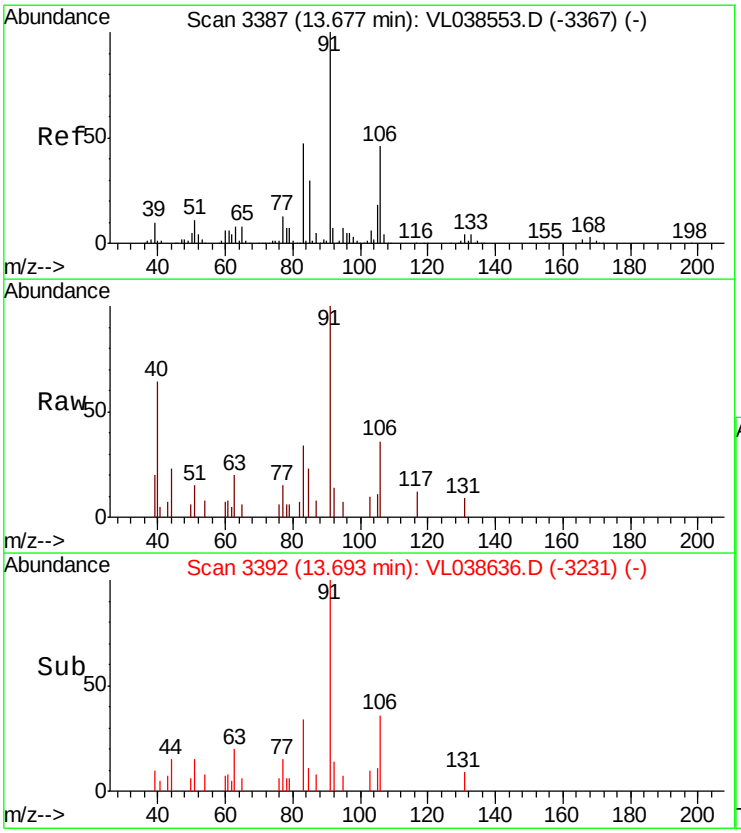
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09
Delta R.T
Lab File:
Acq: 17 Mar 2022 21:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion:117 Resp: 1681466

Ion	Ratio	Lower	Upper
117	100		
82	66.3	52.5	78.7
119	34.2	46.4	69.6#

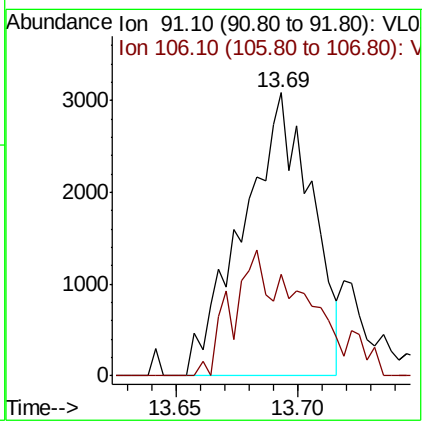


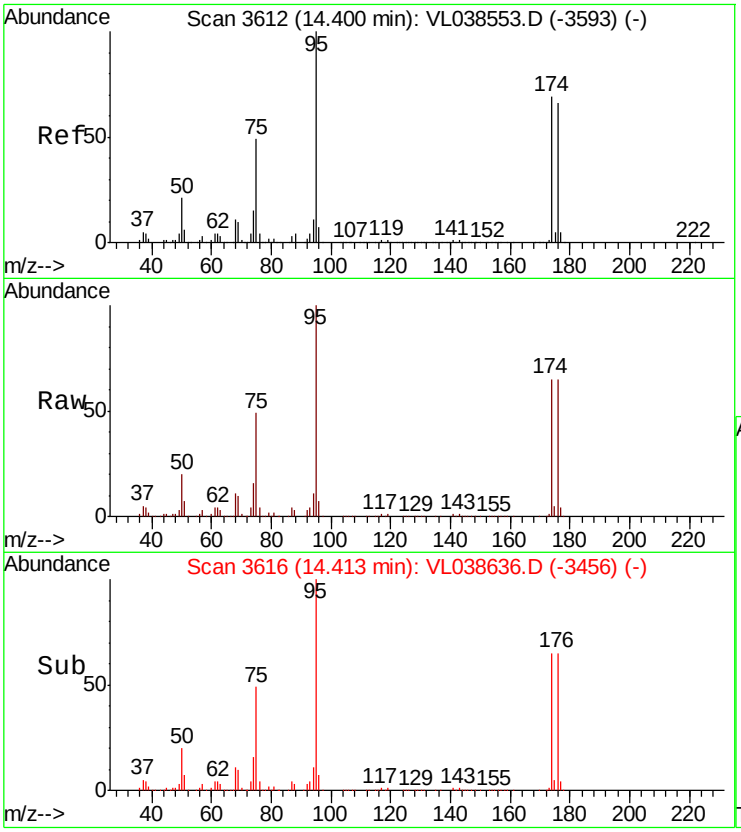


#60
o-Xylene
Concen: 0.034 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.02 min
Lab File: VL038636.D
Acq: 17 Mar 2022 21:46

Tgt Ion: 91 Resp: 6018

Ion	Ratio	Lower	Upper
91	100		
106	49.2	23.5	70.6





#68
1-Bromo-4-Fluorobenzene
Concen: 9.205 ppbv
RT: 14.41
Delta R.T
Lab File:
Acq: 17 Mar 2022 21:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 95 Resp: 1176726

Ion	Ratio	Lower	Upper
95	100		
174	73.2	56.2	84.4
175	4.9	4.2	6.2