Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051322\
Data File : VL039047.D
Acq On : 13 May 2022 21:48
Operator : SY/AP
Sample : N2812-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : AA-1

Quant Time: May 14 00:54:58 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 10:12:15 2022
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	965745	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.15	114	2487143	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.06	117	2039006	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.38	95	1506761	9.33	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	40003	0.264	ppbv	#	87
3) Chlorodifluoromethane	2.98	51	67311	0.562	ppbv	#	84
4) Chloromethane	3.13	50	30962	0.516	ppbv		98
9) Propene	3.01	41	33642	0.643	ppbv	#	80
11) Trichlorofluoromethane	3.94	101	27594	0.213	ppbv		92
12) 1,1,2-Trichlorotrifluoroet	4.47	101	3608	0.040	ppbv	#	15
13) Ethanol	3.60	45	75905	20.495	ppbv		69
15) Acetone	3.84	43	578936	6.355	ppbv		97
19) Isopropyl Alcohol	3.96	45	16801	0.388	ppbv	#	95
20) Methylene Chloride	4.33	84	878745	25.593	ppbv		97
23) Vinyl Acetate	5.06	43	3785	0.053	ppbv	#	38
25) Ethyl Acetate	5.67	43	692624	3.177	ppbv	#	77
26) Hexane	5.67	57	976634	10.081	ppbv	#	38
30) Cyclohexane	7.11	84	6321	0.078	ppbv	#	1
34) 2-Butanone	5.23	43	16148	0.127	ppbv	#	28
35) Carbon Tetrachloride	7.00	117	7079	0.043	ppbv	#	77
36) Benzene	6.87	78	31255	0.147	ppbv	#	92
39) 1,2-Dichloropropane	7.16	63	610094	7.367	ppbv	#	25
41) Tetrahydrofuran	5.73	42	3832	0.045	ppbv	#	36
44) 2,2,4-Trimethylpentane	7.85	57	13286	0.036	ppbv	#	1
52) Tetrachloroethene	11.19	164	23945	0.315	ppbv		94
53) Toluene	9.78	91	120144	0.504	ppbv		97
58) Ethyl Benzene	12.93	91	9665	0.033	ppbv		93
59) m/p-Xylene	12.97	91	13101	0.052	ppbv	#	33
60) o-Xylene	13.66	91	12469	0.053	ppbv		75
74) 1,2,4-Trimethylbenzene	16.73	105	19218	0.073	ppbv	#	59

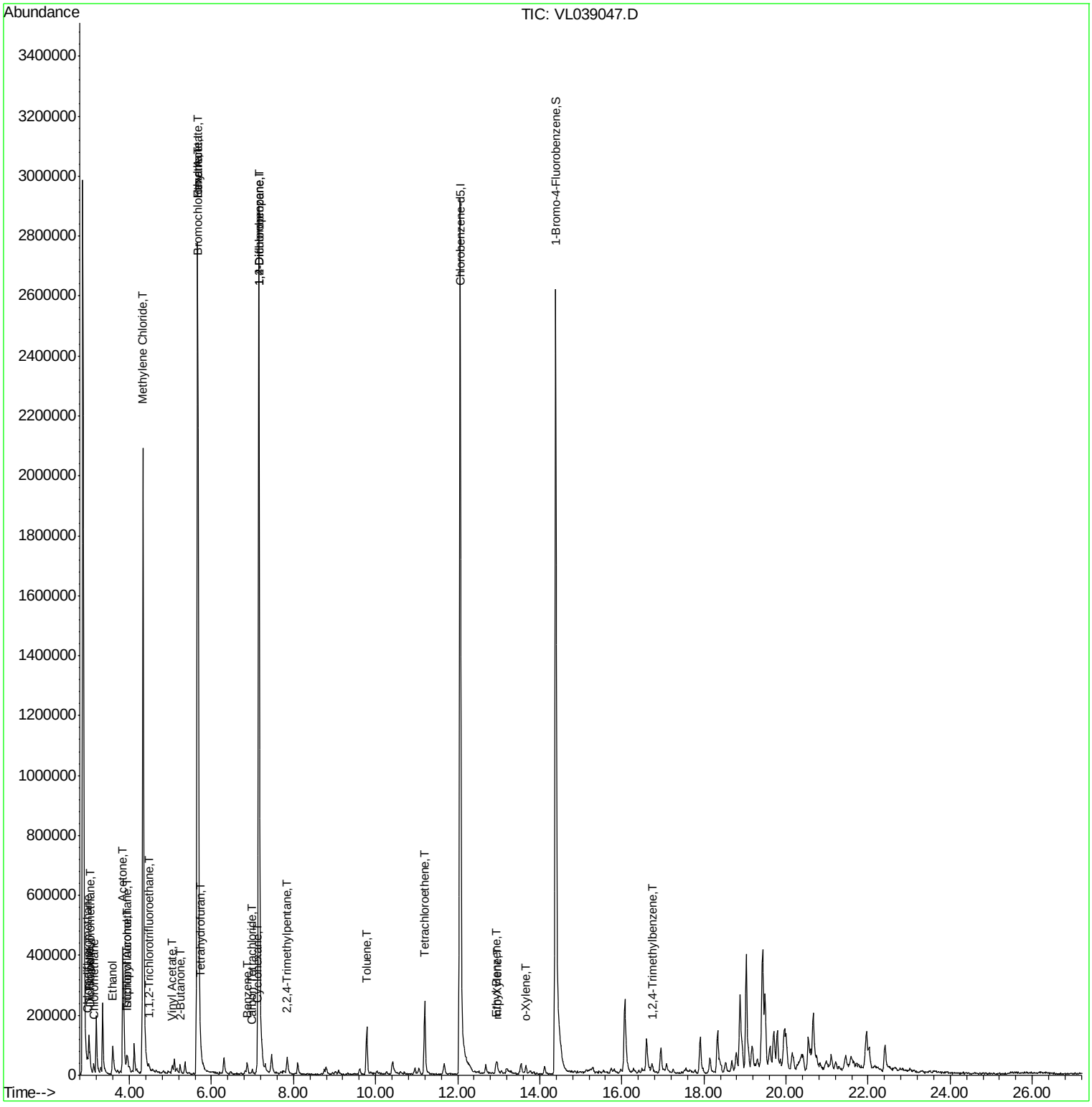
(#) = qualifier out of range (m) = manual integration (+) = signals summed

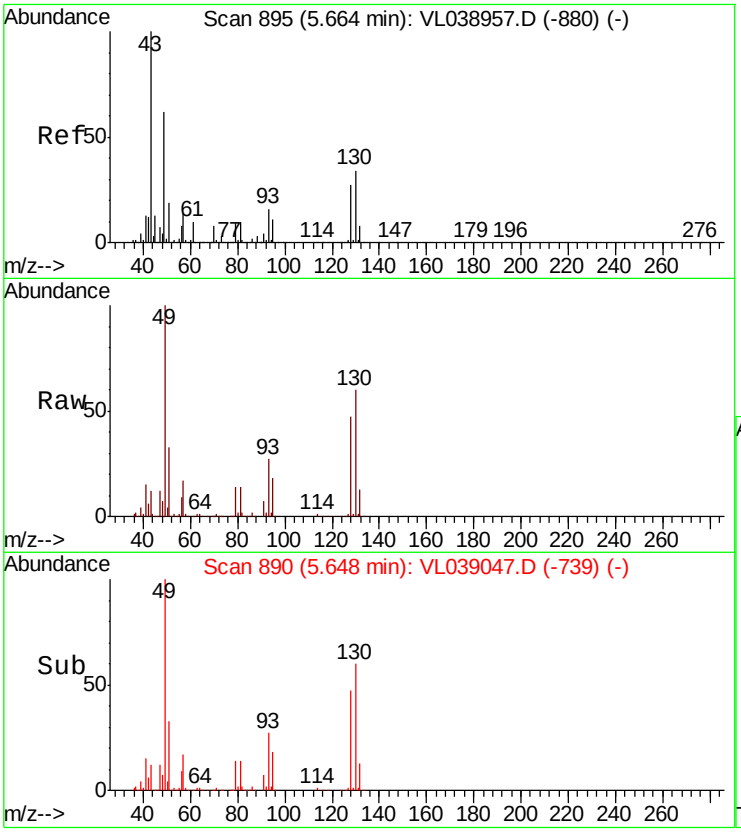
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051322\
Data File : VL039047.D
Acq On : 13 May 2022 21:48
Operator : SY/AP
Sample : N2812-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Quant Time: May 14 00:54:58 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 10:12:15 2022
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration



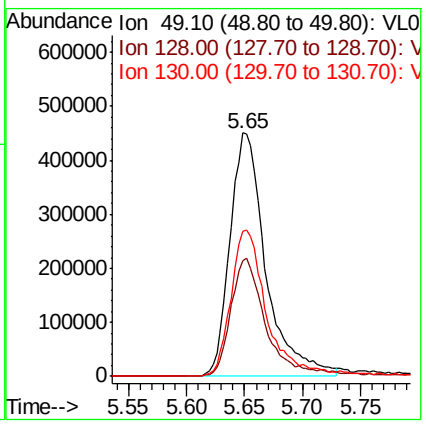


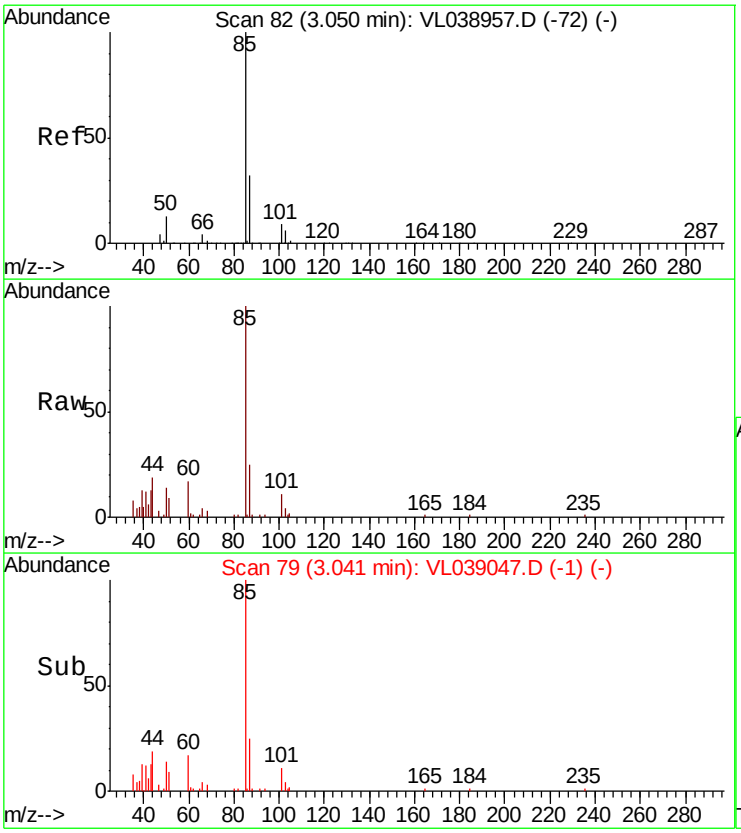
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 13 May 2022 21:48

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 49 Resp: 965745

Ion	Ratio	Lower	Upper
49	100		
128	48.0	23.3	69.8
130	60.7	29.8	89.3

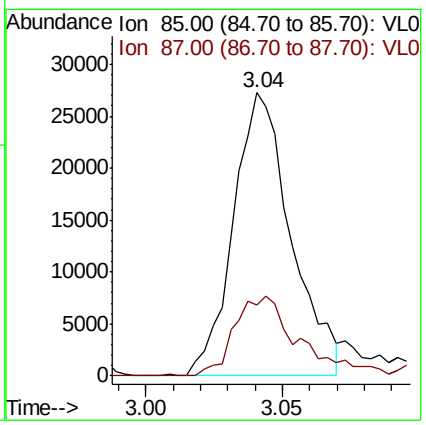


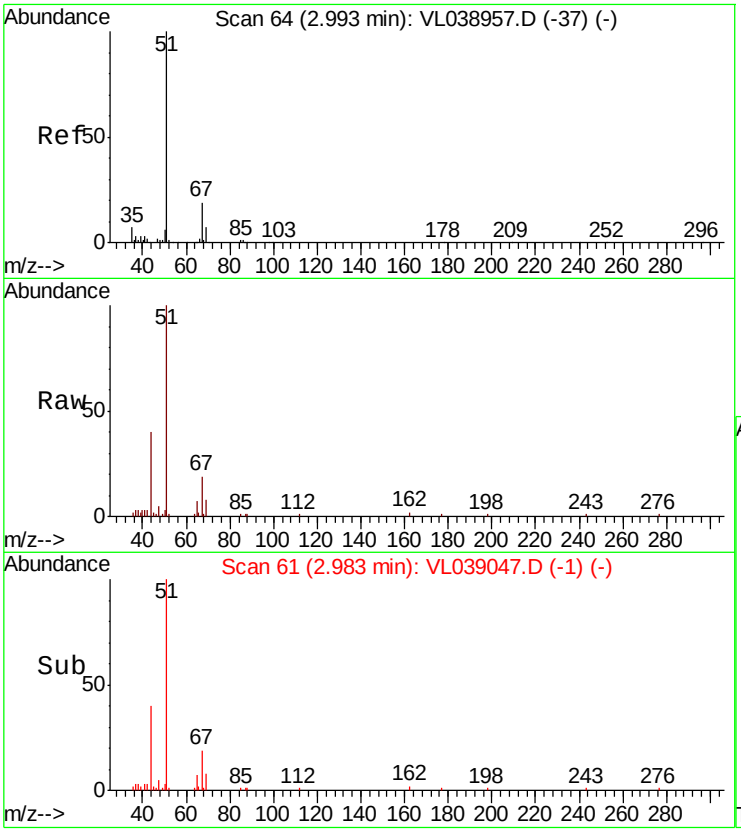


#2
Dichlorodifluoromethane
Concen: 0.264 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.01 min
Lab File: VL039047.D
Acq: 13 May 2022 21:48

Tgt Ion: 85 Resp: 40003

Ion	Ratio	Lower	Upper
85	100		
87	25.1	25.7	38.5#



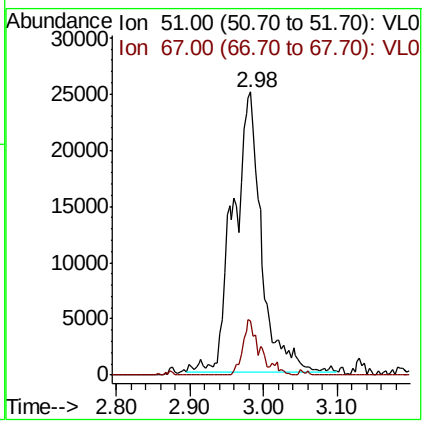


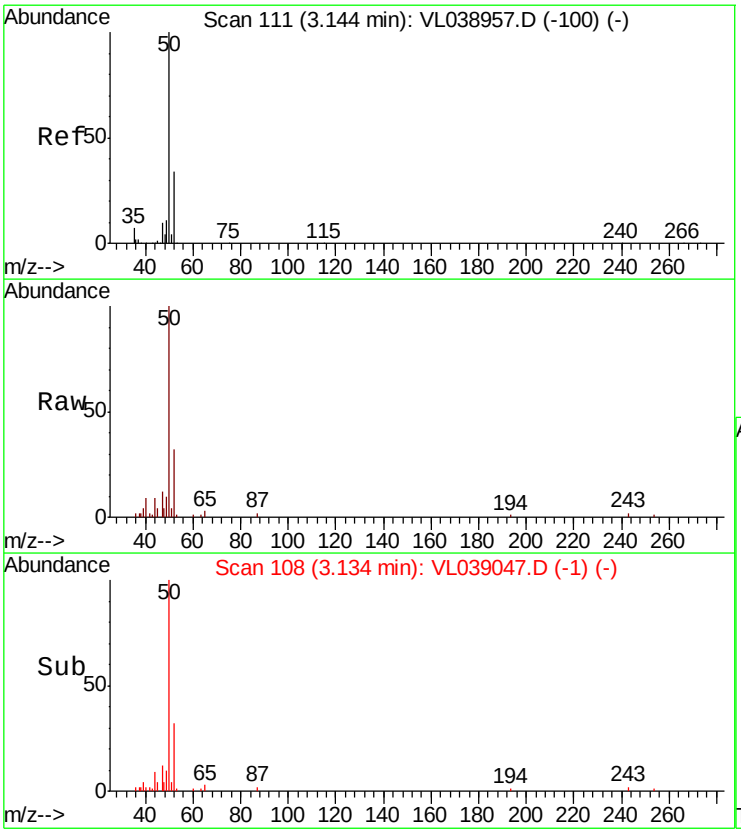
#3
Chlorodifluoromethane
Concen: 0.562 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 13 May 2022 21:48

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 51 Resp: 67311

Ion	Ratio	Lower	Upper
51	100		
67	12.3	15.8	23.8#

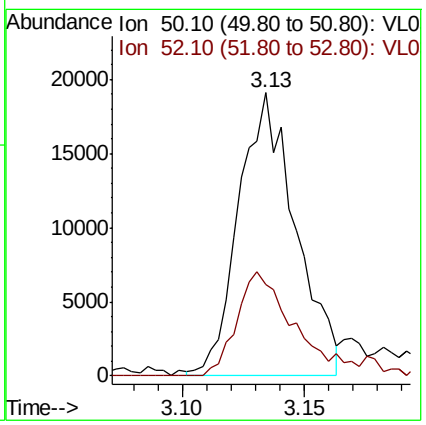


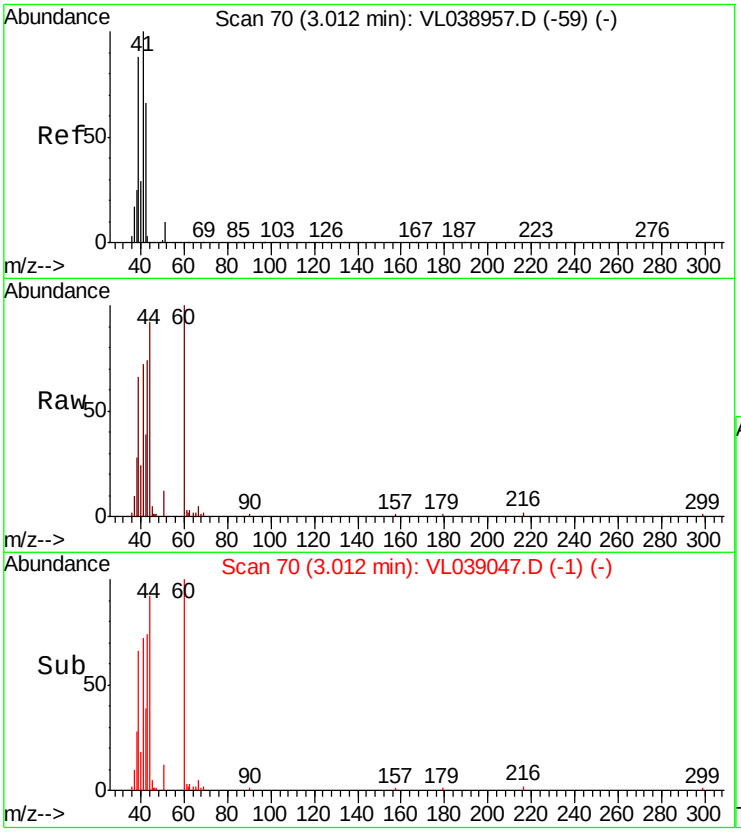


#4
Chloromethane
Concen: 0.516 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.01 min
Lab File: VL039047.D
Acq: 13 May 2022 21:48

Tgt Ion: 50 Resp: 30962

Ion	Ratio	Lower	Upper
50	100		
52	32.7	27.3	40.9



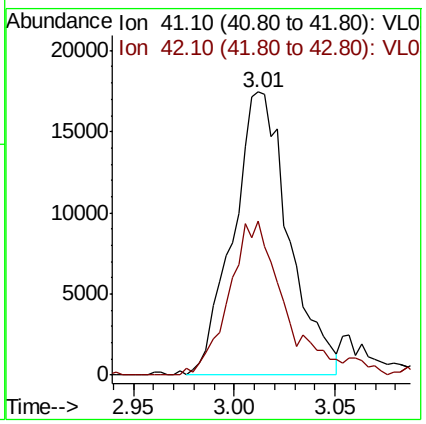


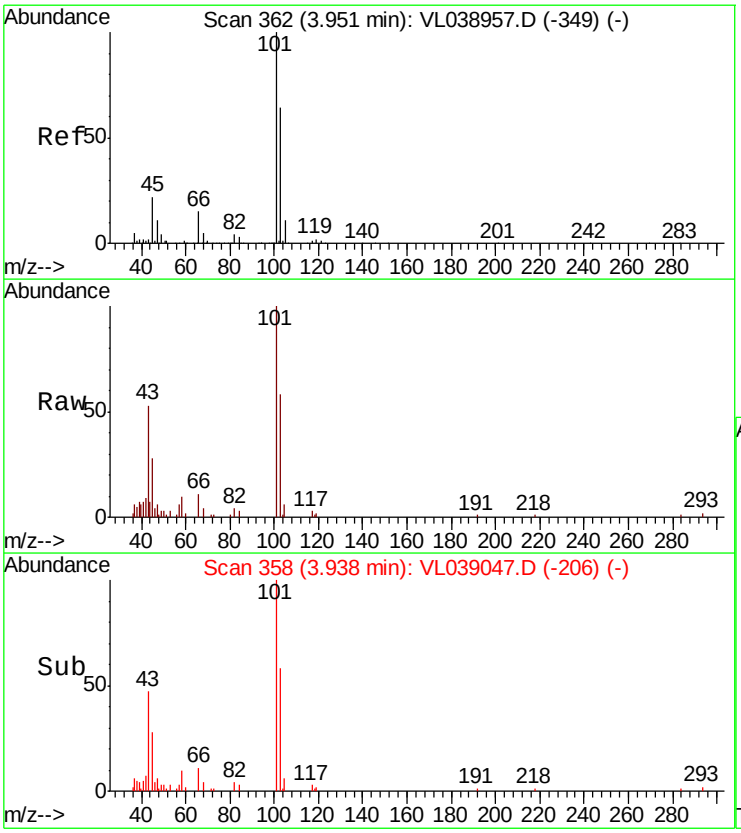
#9
Propene
Concen: 0.643 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 13 May 2022 21:48

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 41 Resp: 33642

Ion	Ratio	Lower	Upper
41	100		
42	56.3	58.3	87.5#

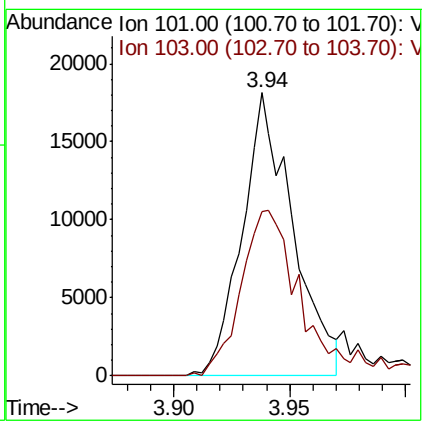


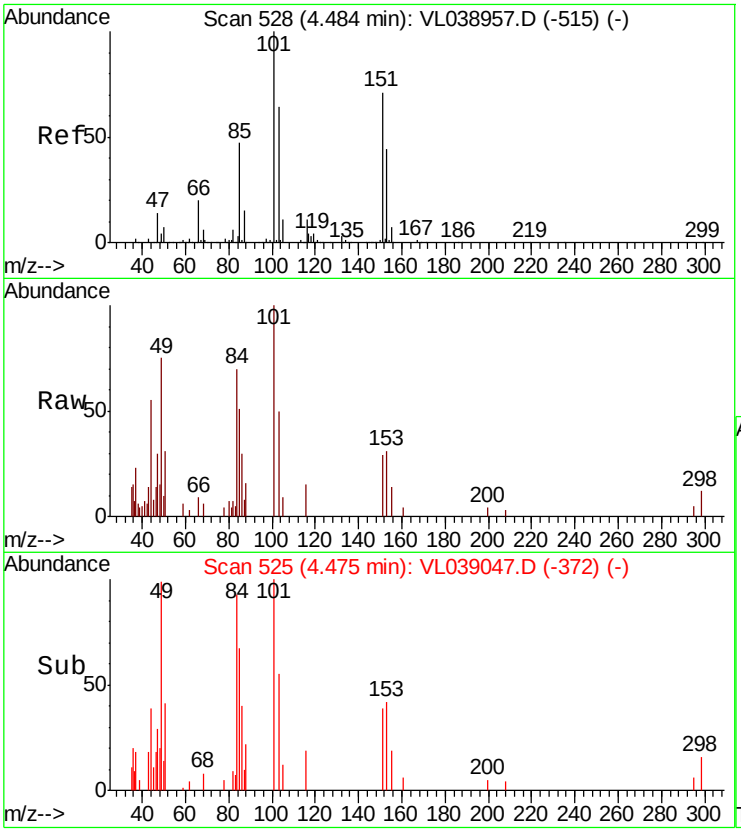


#11
Trichlorofluoromethane
Concen: 0.213 ppbv
RT: 3.94 min Scan# 358
Delta R.T. -0.01 min
Lab File: VL039047.D
Acq: 13 May 2022 21:48

Tgt Ion:101 Resp: 27594

Ion	Ratio	Lower	Upper
101	100		
103	58.2	51.5	77.3



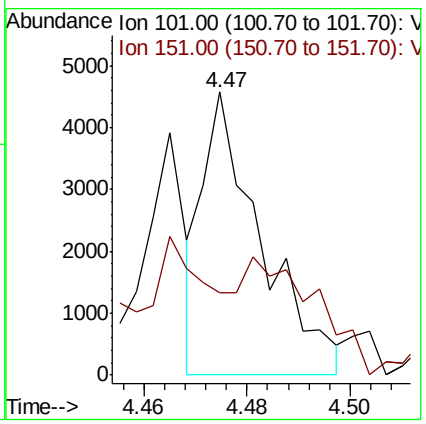


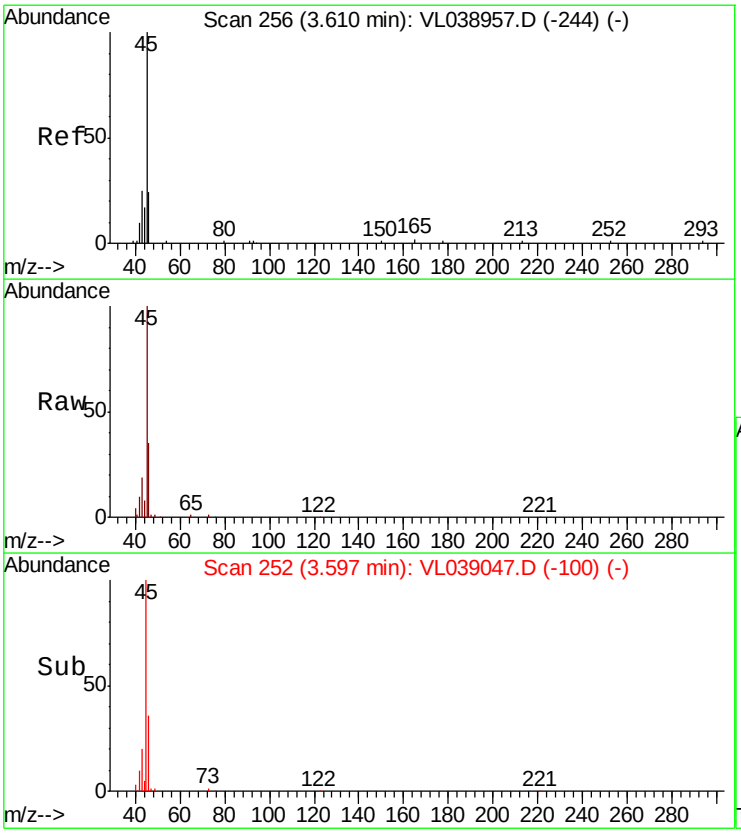
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.040 ppbv
RT: 4.47
Delta R.T
Lab File:
Acq: 13 May 2022 21:48

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion:101 Resp: 3608

Ion	Ratio	Lower	Upper
101	100		
151	0.0	55.4	83.0#

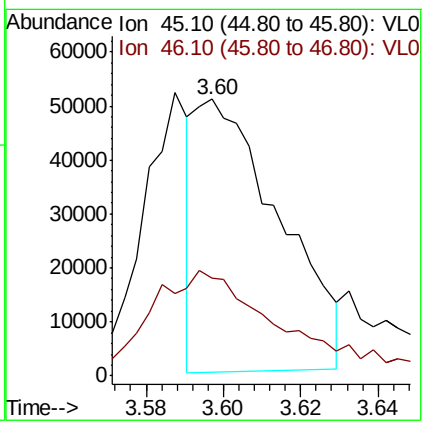


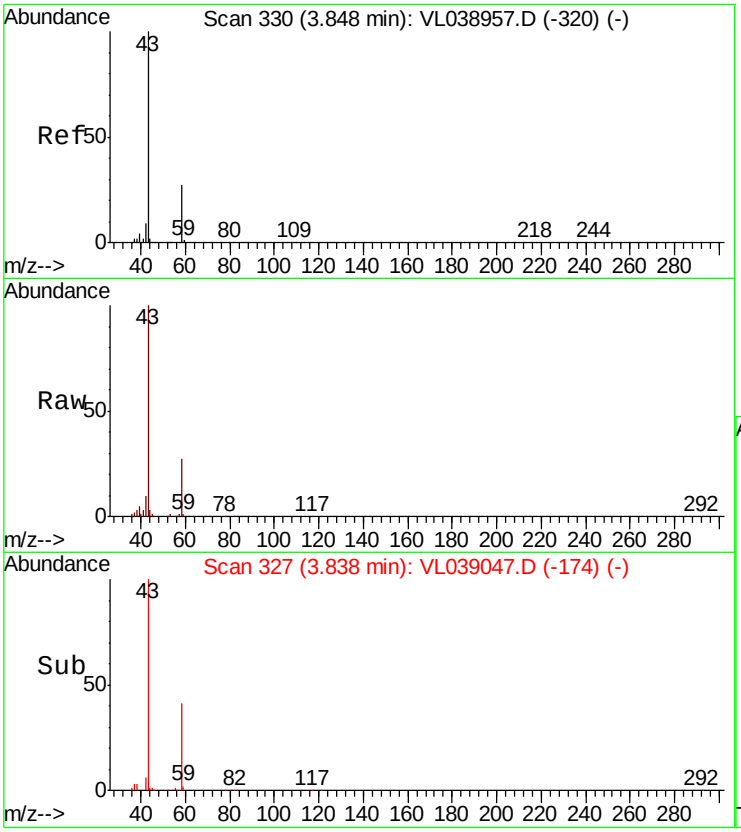


#13
Ethanol
Concen: 20.495 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL039047.D
Acq: 13 May 2022 21:48

Tgt Ion: 45 Resp: 75905

Ion	Ratio	Lower	Upper
45	100		
46	65.3	18.0	72.2



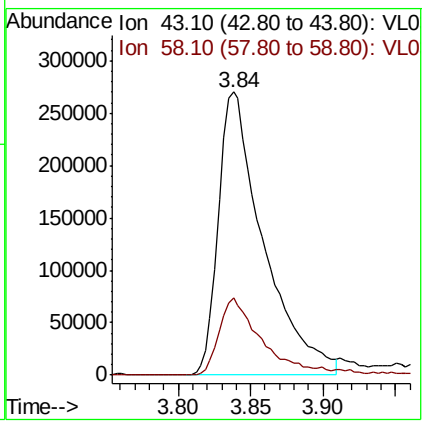


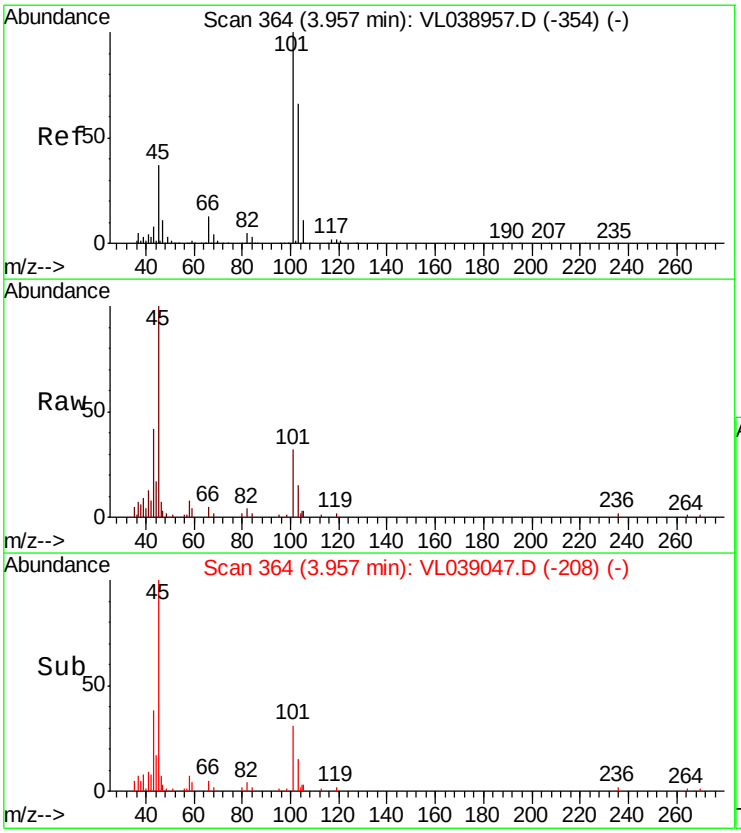
#15
Acetone
Concen: 6.355 ppbv
RT: 3.84
Delta R.T
Lab File:
Acq: 13 May 2022 21:48

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 43 Resp: 578936

Ion	Ratio	Lower	Upper
43	100		
58	27.9	21.3	31.9

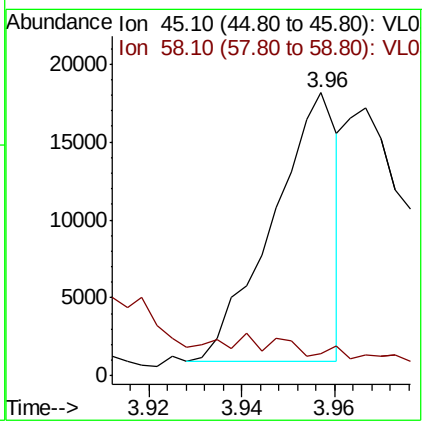


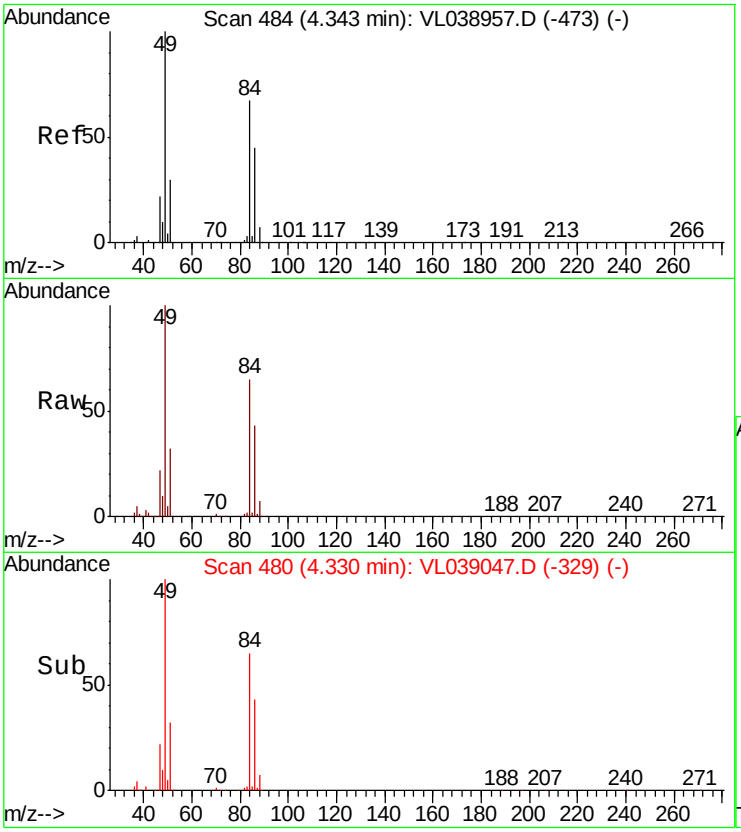


#19
Isopropyl Alcohol
Concen: 0.388 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VL039047.D
Acq: 13 May 2022 21:48

Tgt Ion: 45 Resp: 16801

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.2#



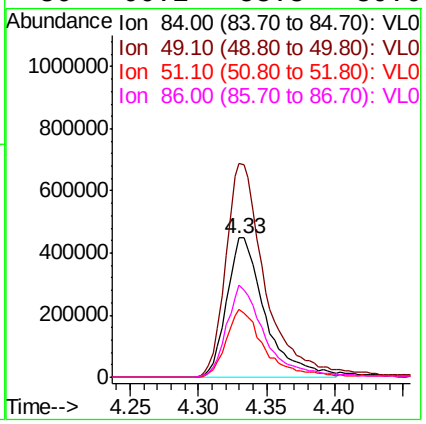


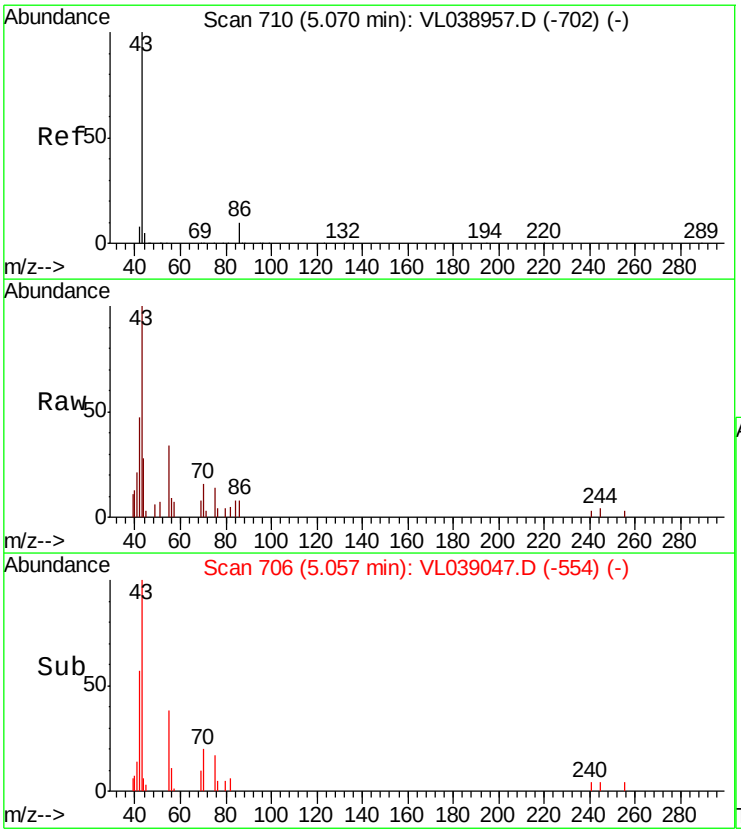
#20
Methylene Chloride
Concen: 25.593 ppbv
RT: 4.33
Delta R.T
Lab File:
Acq: 13 May 2022 21:48

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 84 Resp: 878745

Ion	Ratio	Lower	Upper
84	100		
49	153.4	119.9	179.9
51	49.1	35.7	53.5
86	66.1	53.8	80.6

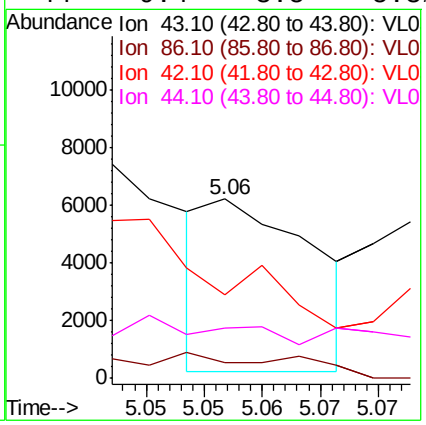


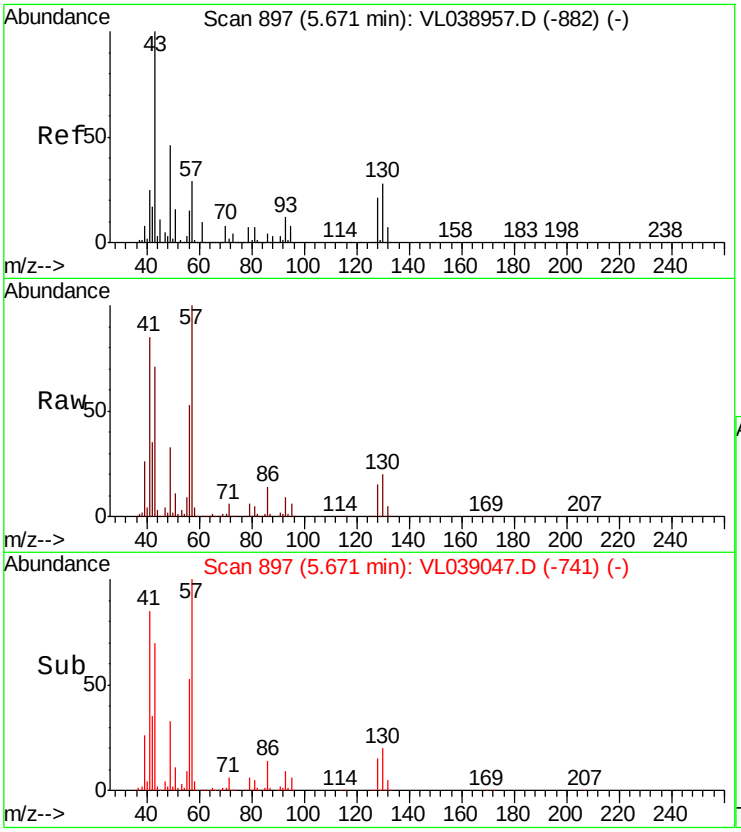


#23
Vinyl Acetate
Concen: 0.053 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.01 min
Lab File: VL039047.D
Acq: 13 May 2022 21:48

Tgt Ion: 43 Resp: 3785

Ion	Ratio	Lower	Upper
43	100		
86	2.7	6.6	9.8#
42	54.9	8.1	12.1#
44	9.4	3.5	5.3#



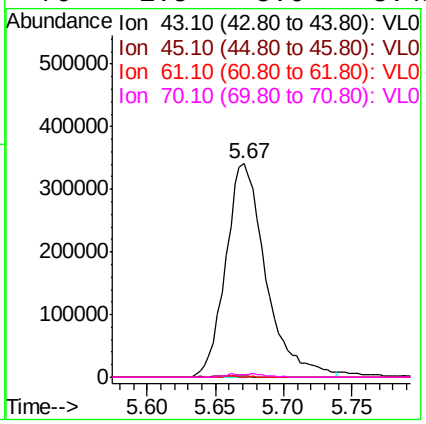


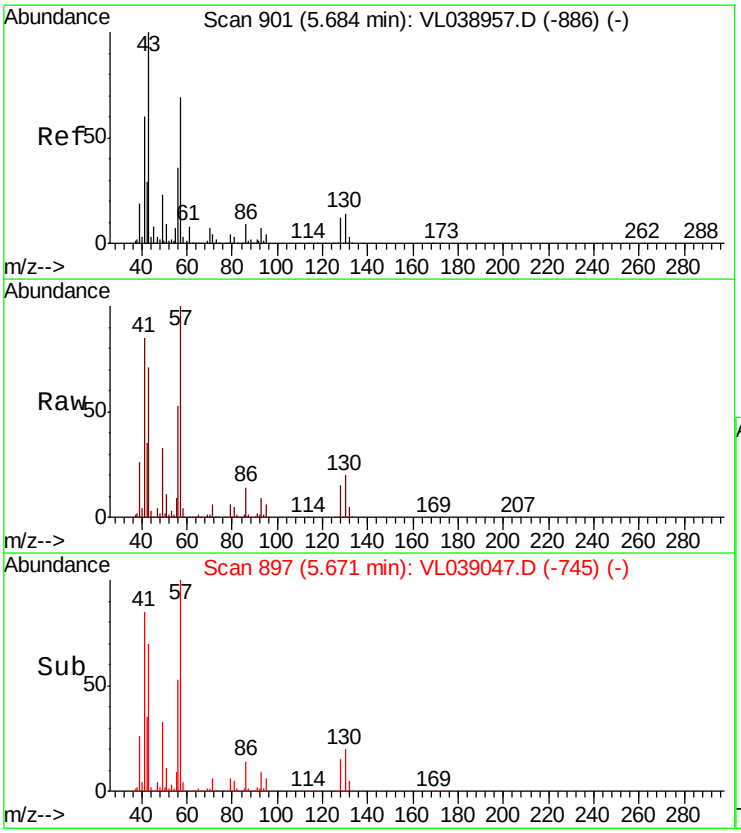
#25
Ethyl Acetate
Concen: 3.177 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 13 May 2022 21:48

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 43 Resp: 692624

Ion	Ratio	Lower	Upper
43	100		
45	0.7	8.1	12.1#
61	0.5	7.8	11.6#
70	1.5	5.6	8.4#

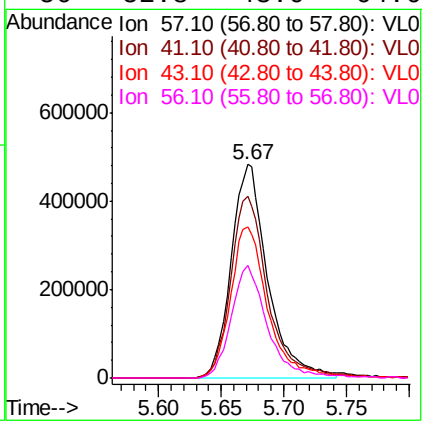


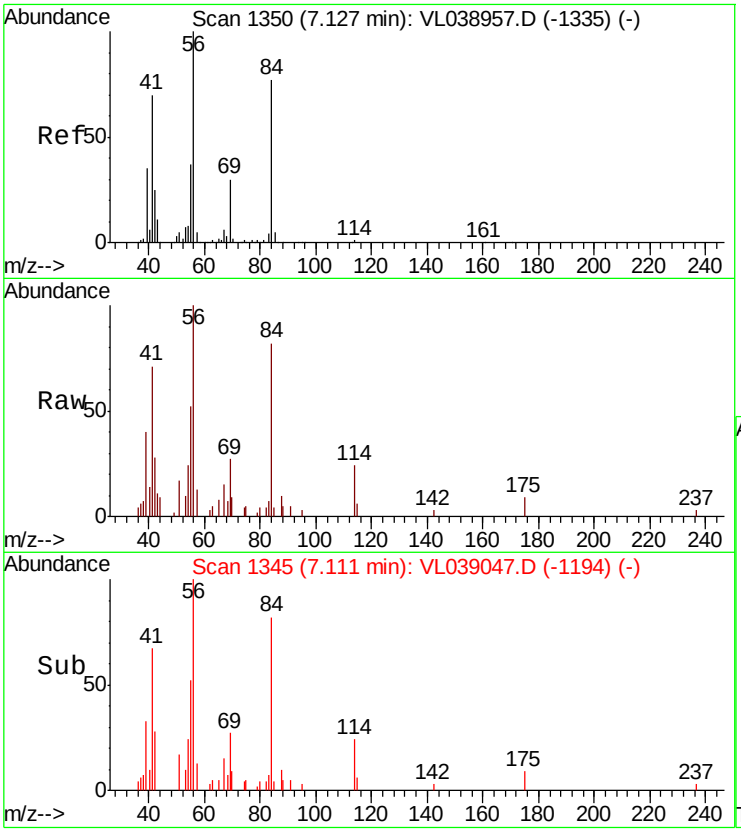


#26
Hexane
Concen: 10.081 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL039047.D
Acq: 13 May 2022 21:48

Tgt Ion: 57 Resp: 976634

Ion	Ratio	Lower	Upper
57	100		
41	87.8	75.2	112.8
43	73.0	190.8	286.2#
56	52.8	43.0	64.6



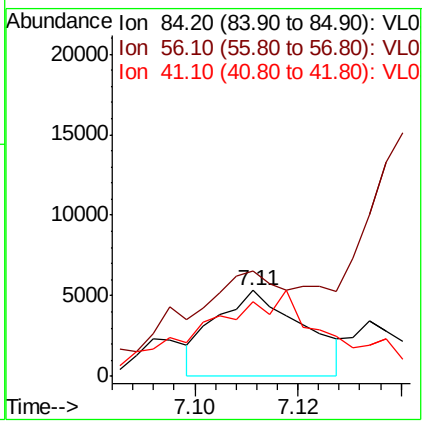


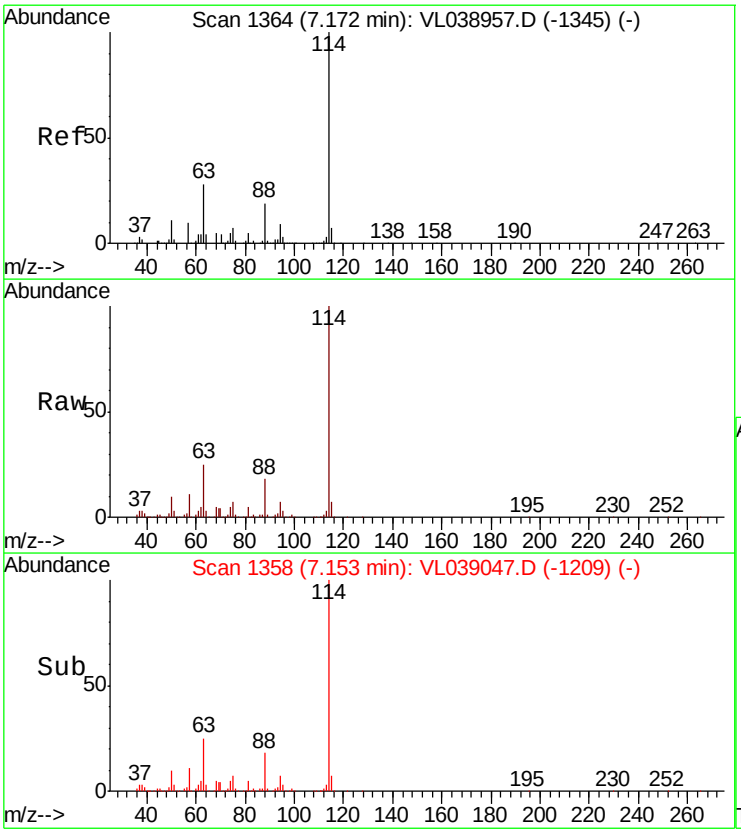
#30
Cyclohexane
Concen: 0.078 ppbv
RT: 7.11
Delta R.T
Lab File:
Acq: 13 May 2022 21:48

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 84 Resp: 6321

Ion	Ratio	Lower	Upper
84	100		
56	0.0	115.3	172.9#
41	187.2	72.0	108.0#

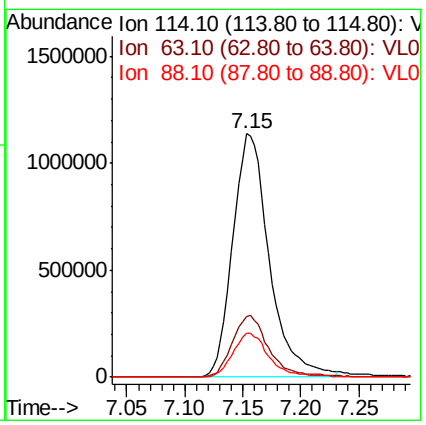


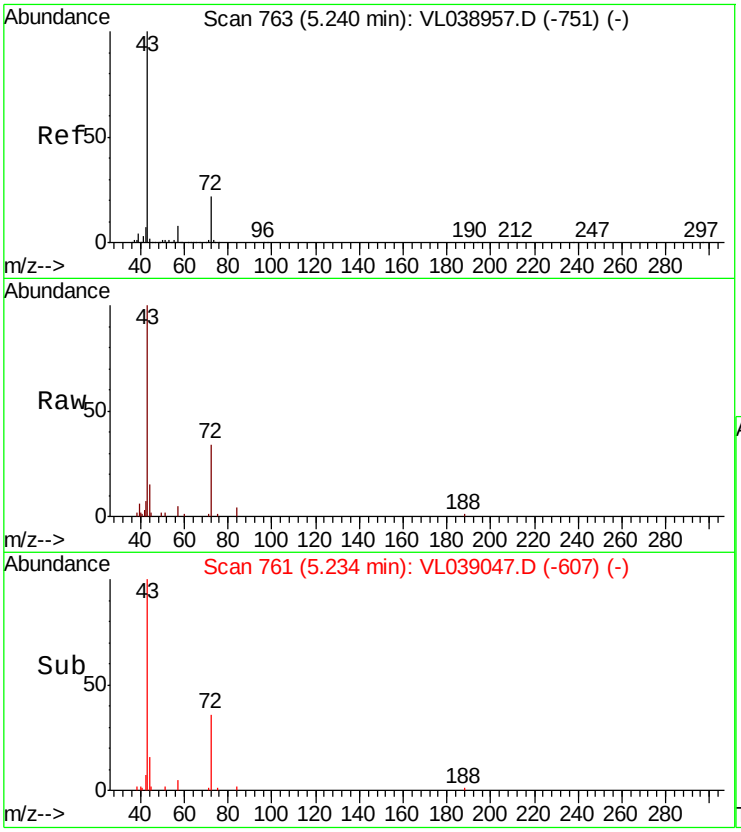


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.02 min
Lab File: VL039047.D
Acq: 13 May 2022 21:48

Tgt Ion:114 Resp: 2487143

Ion	Ratio	Lower	Upper
114	100		
63	25.6	22.6	33.8
88	18.0	15.4	23.0



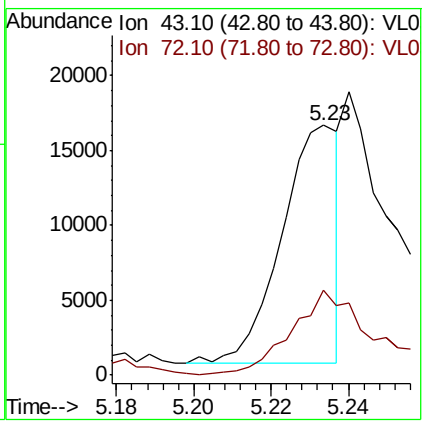


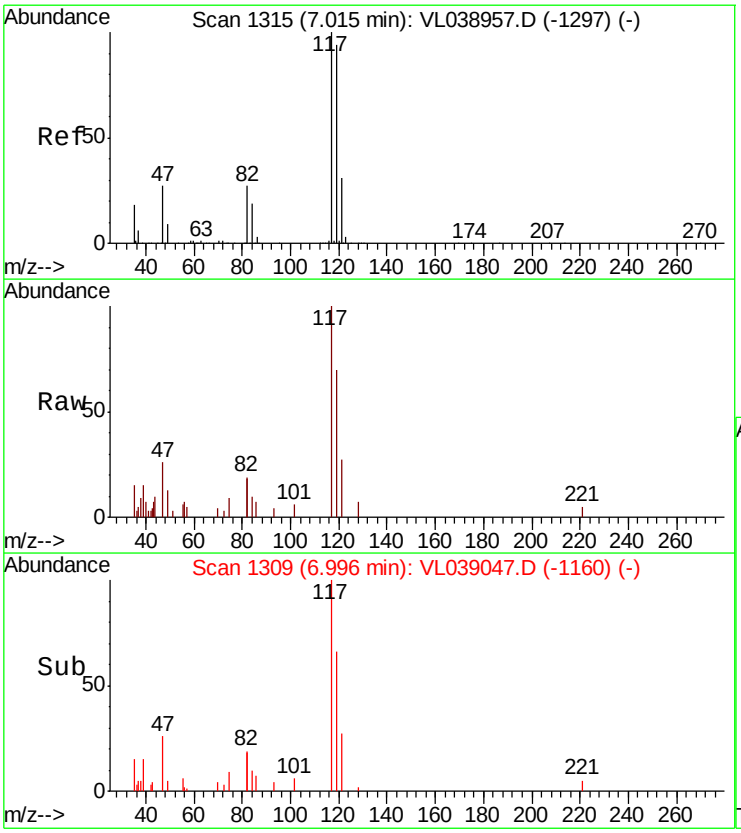
#34
2-Butanone
Concen: 0.127 ppbv
RT: 5.23
Delta R.T
Lab File:
Acq: 13 May 2022 21:48

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 43 Resp: 16148

Ion	Ratio	Lower	Upper
43	100		
72	56.5	17.8	26.6#

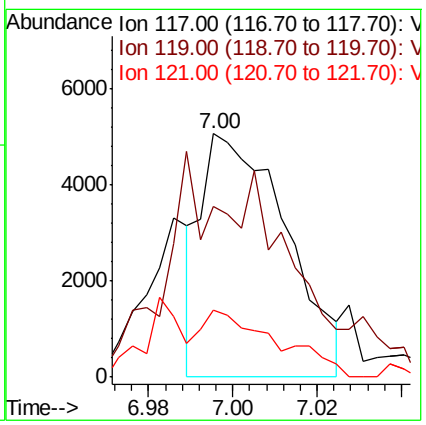


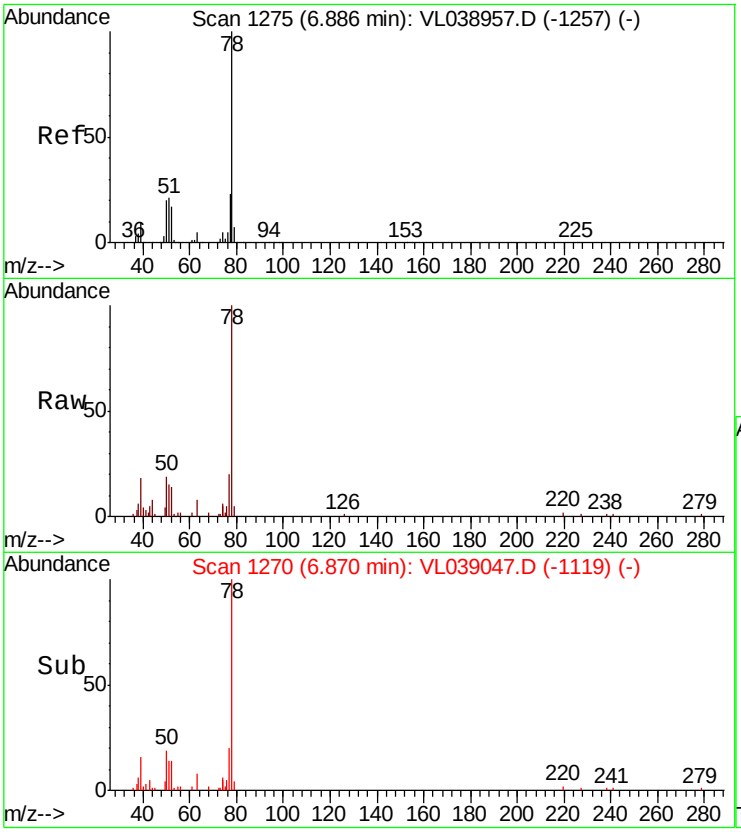


#35
Carbon Tetrachloride
Concen: 0.043 ppbv
RT: 7.00 min Scan# 1309
Delta R.T. -0.02 min
Lab File: VL039047.D
Acq: 13 May 2022 21:48

Tgt Ion:117 Resp: 7079

Ion	Ratio	Lower	Upper
117	100		
119	65.3	75.2	112.8#
121	28.6	24.6	37.0



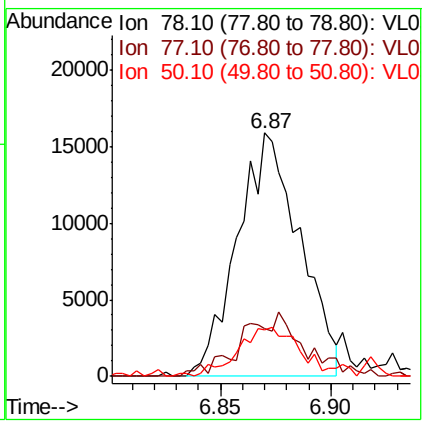


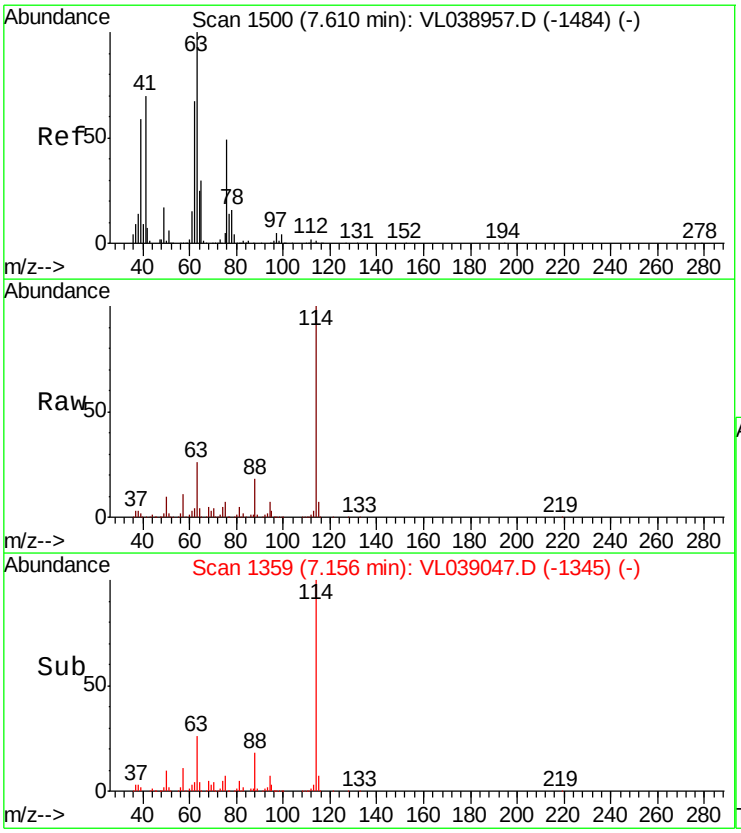
#36
Benzene
Concen: 0.147 ppbv
RT: 6.87
Delta R.T
Lab File:
Acq: 13 May 2022 21:48

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 78 Resp: 31255

Ion	Ratio	Lower	Upper
78	100		
77	17.7	18.6	28.0#
50	18.1	15.6	23.4

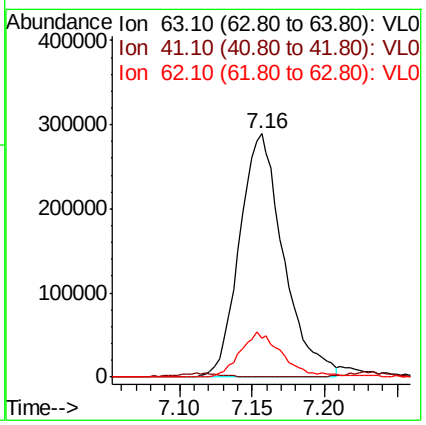


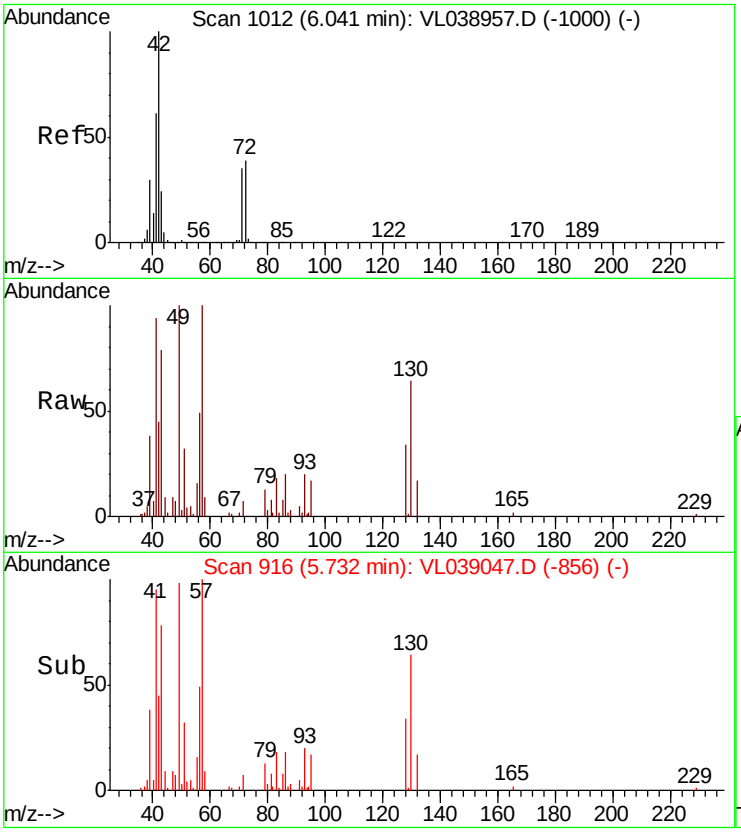


#39
1,2-Dichloropropane
Concen: 7.367 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.45 min
Lab File: VL039047.D
Acq: 13 May 2022 21:48

Tgt Ion: 63 Resp: 610094

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.9	83.9#
62	15.7	53.8	80.6#



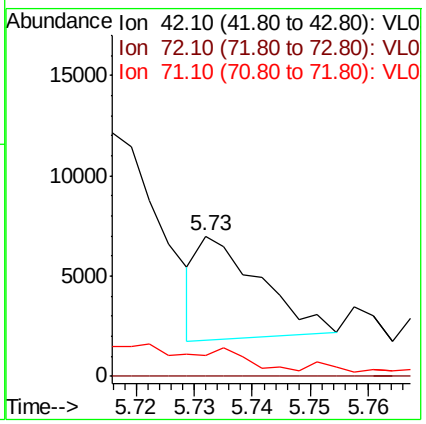


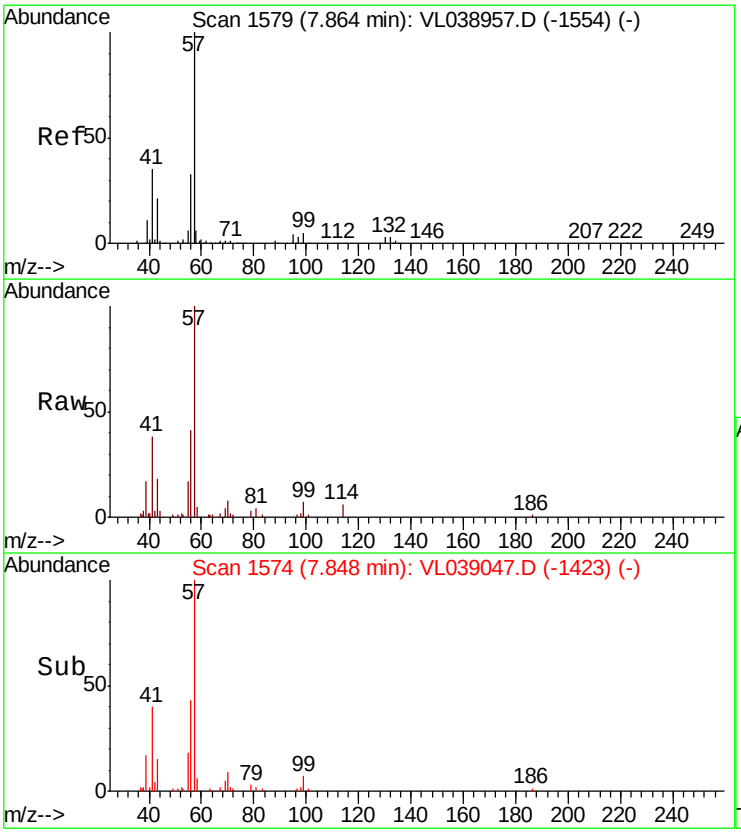
#41
Tetrahydrofuran
Concen: 0.045 ppbv
RT: 5.73
Delta R.T
Lab File:
Acq: 13 May 2022 21:48

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 42 Resp: 3832

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.8	47.6#
71	0.0	30.6	45.8#

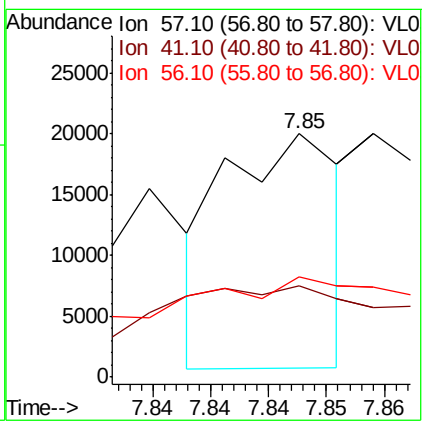


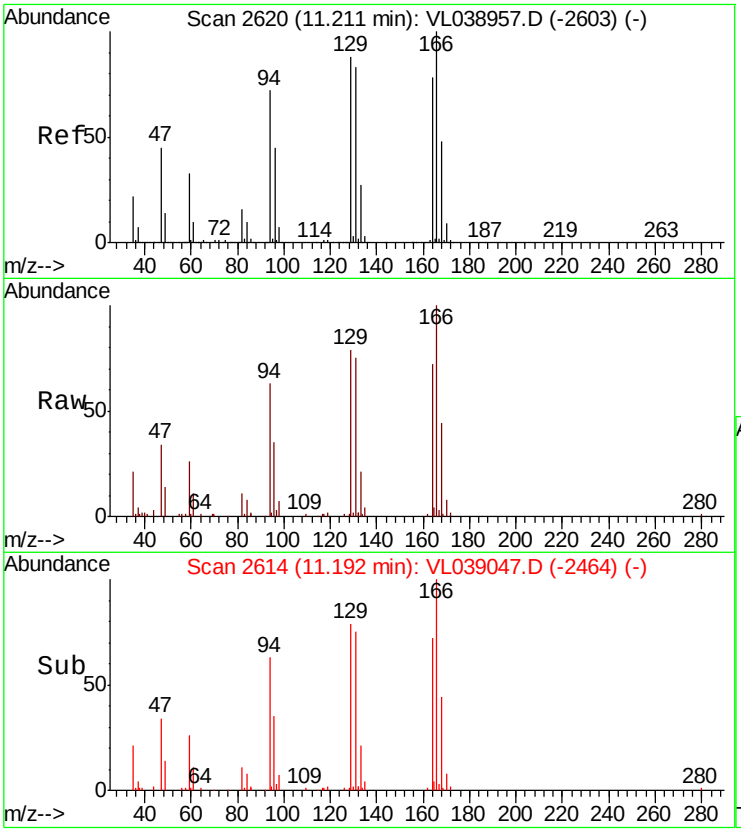


#44
2,2,4-Trimethylpentane
Concen: 0.036 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.02 min
Lab File: VL039047.D
Acq: 13 May 2022 21:48

Tgt Ion: 57 Resp: 13286

Ion	Ratio	Lower	Upper
57	100		
41	163.4	26.3	39.5#
56	165.4	24.6	37.0#



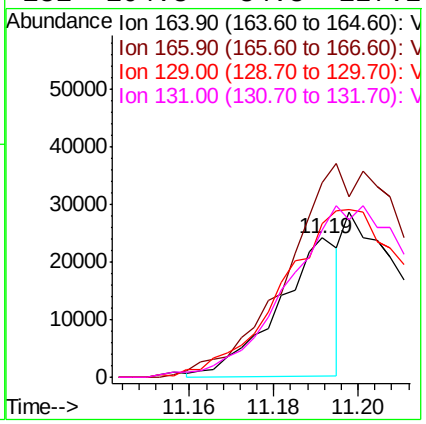


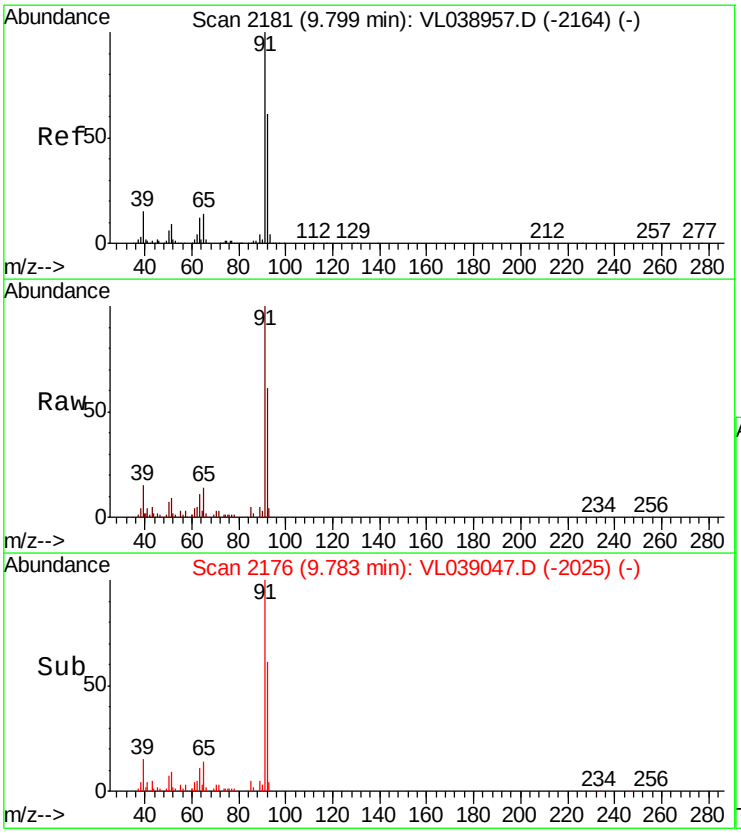
#52
Tetrachloroethene
Concen: 0.315 ppbv
RT: 11.19
Delta R.T
Lab File:
Acq: 13 May 2022 21:48

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion:164 Resp: 23945

Ion	Ratio	Lower	Upper
164	100		
166	139.1	102.5	153.7
129	107.3	90.1	135.1
131	104.3	84.8	127.2

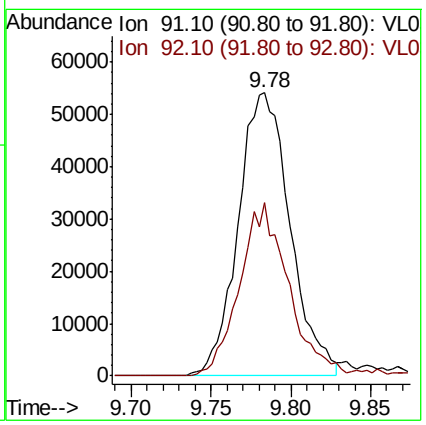


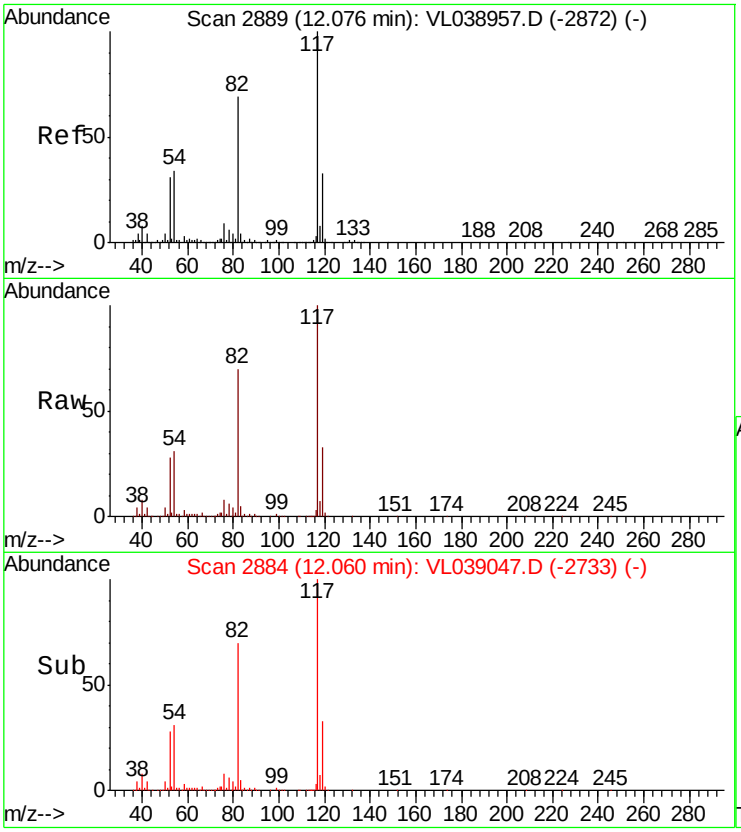


#53
Toluene
Concen: 0.504 ppbv
RT: 9.78 min Scan# 2176
Delta R.T. -0.02 min
Lab File: VL039047.D
Acq: 13 May 2022 21:48

Tgt Ion: 91 Resp: 120144

Ion	Ratio	Lower	Upper
91	100		
92	57.8	48.2	72.2



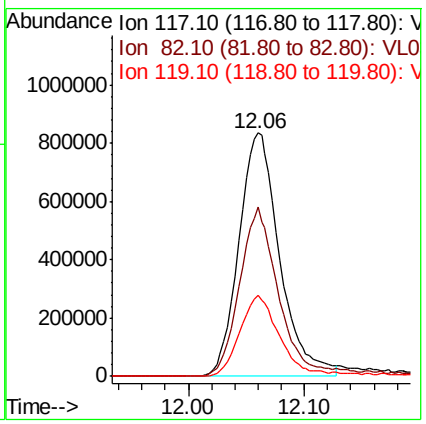


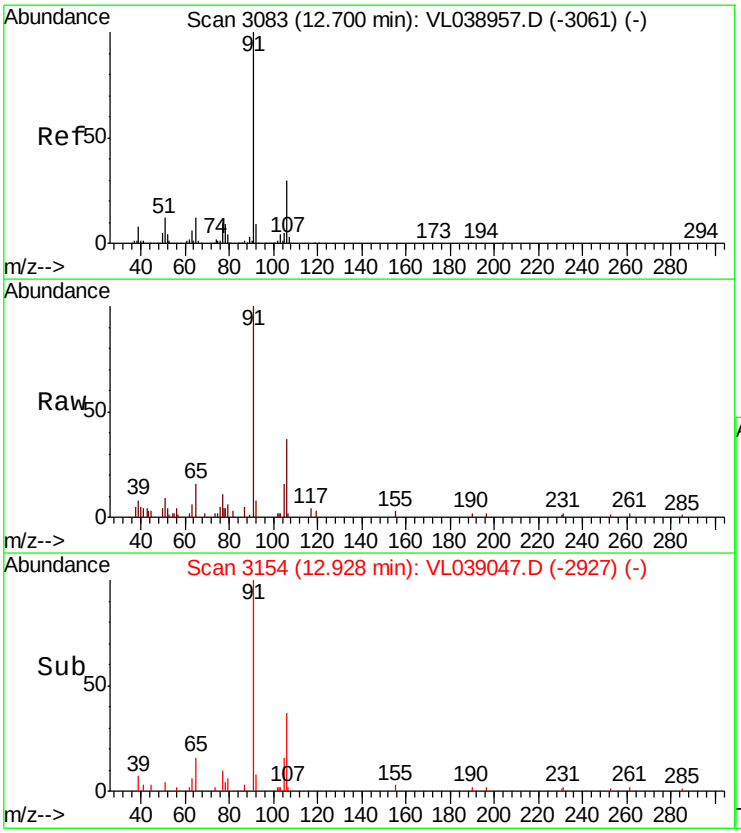
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06
Delta R.T
Lab File:
Acq: 13 May 2022 21:48

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion:117 Resp: 2039006

Ion	Ratio	Lower	Upper
117	100		
82	70.6	57.0	85.6
119	34.4	27.2	40.8

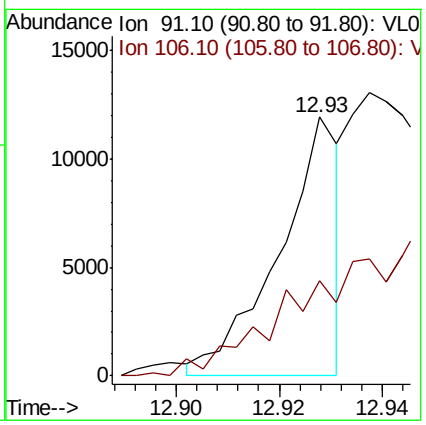


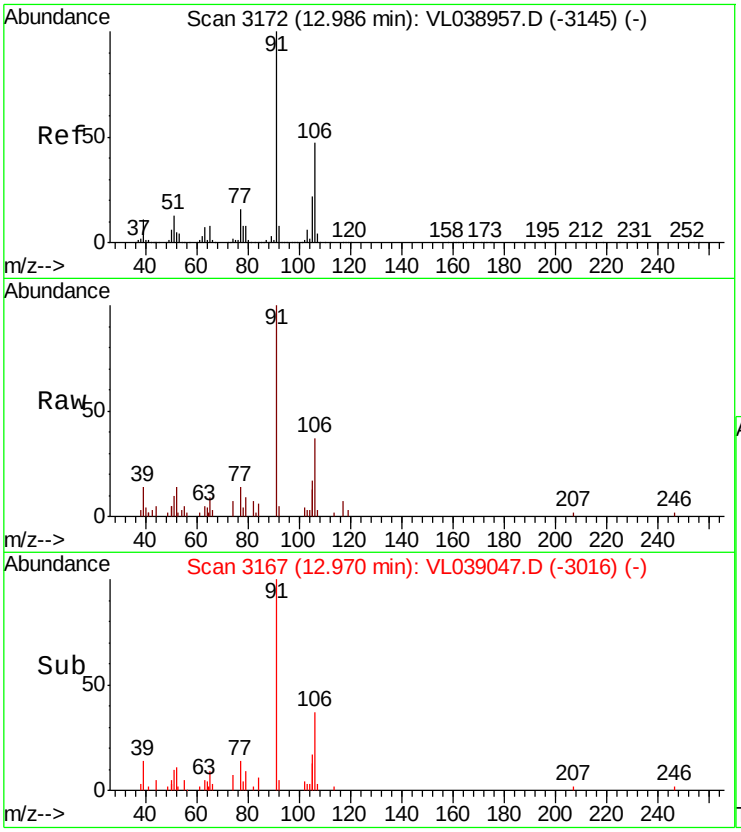


#58
Ethyl Benzene
Concen: 0.033 ppbv
RT: 12.93 min Scan# 3154
Delta R.T. 0.23 min
Lab File: VL039047.D
Acq: 13 May 2022 21:48

Tgt Ion: 91 Resp: 9665

Ion	Ratio	Lower	Upper
91	100		
106	33.9	24.2	36.4



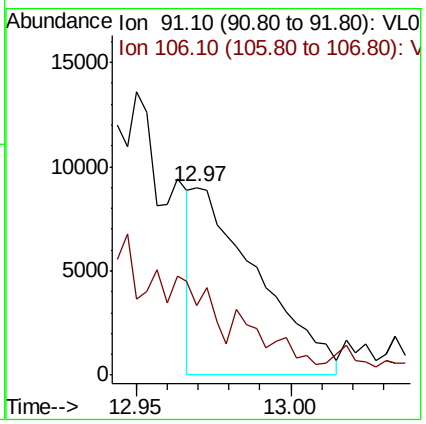


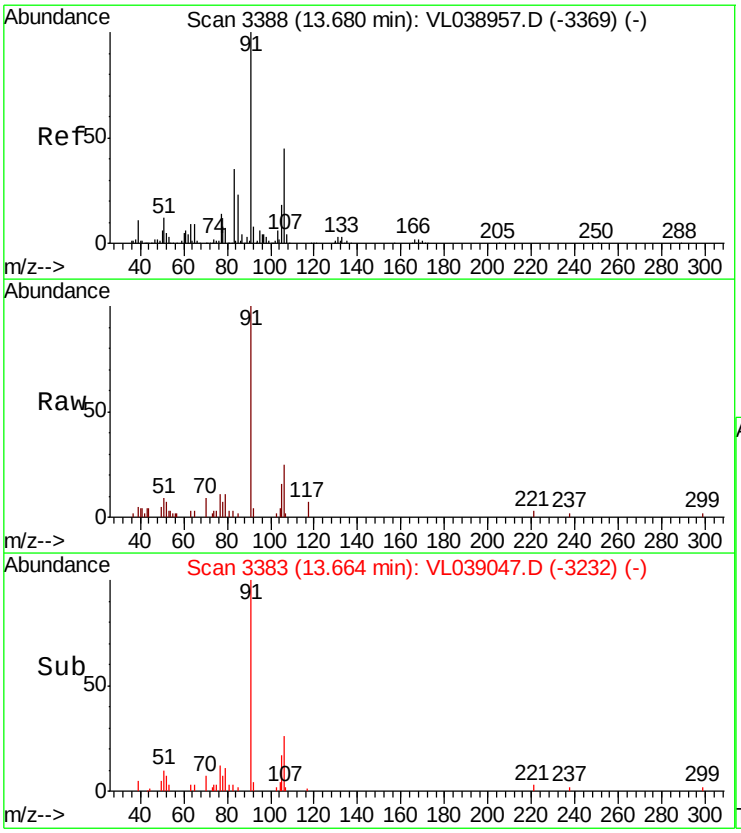
#59
m/p-Xylene
Concen: 0.052 ppbv
RT: 12.97
Delta R.T
Lab File:
Acq: 13 May 2022 21:48

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 91 Resp: 13101

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.6	52.0#

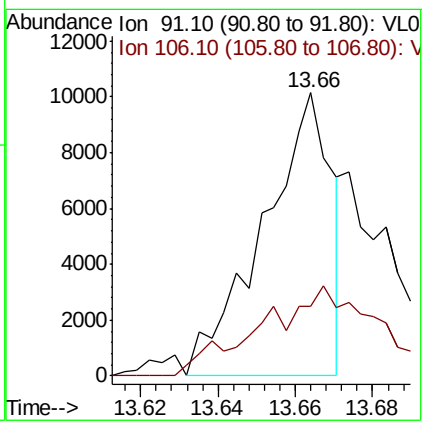


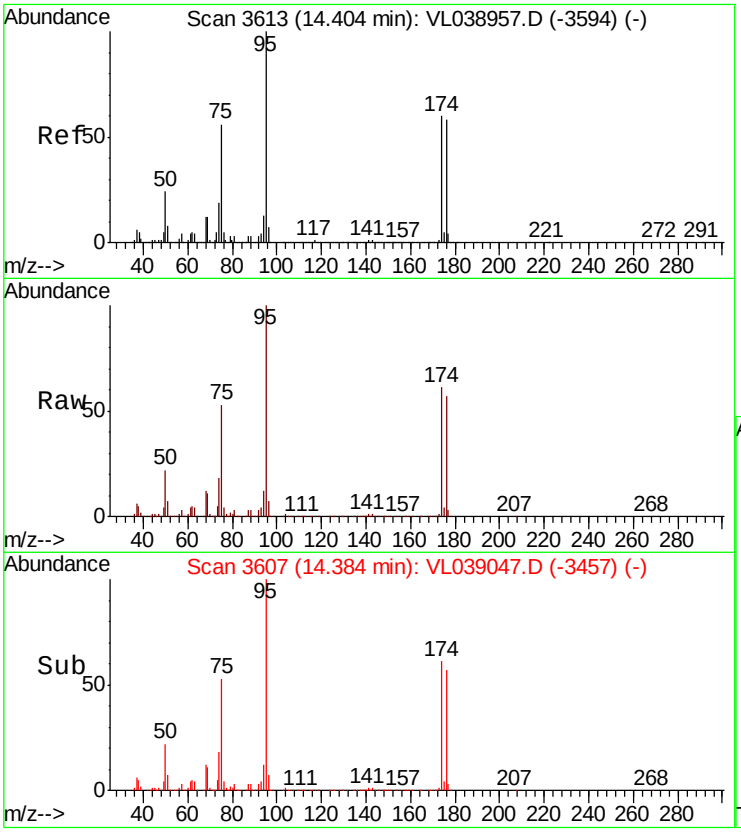


#60
o-Xylene
Concen: 0.053 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.02 min
Lab File: VL039047.D
Acq: 13 May 2022 21:48

Tgt Ion: 91 Resp: 12469

Ion	Ratio	Lower	Upper
91	100		
106	60.9	22.2	66.6



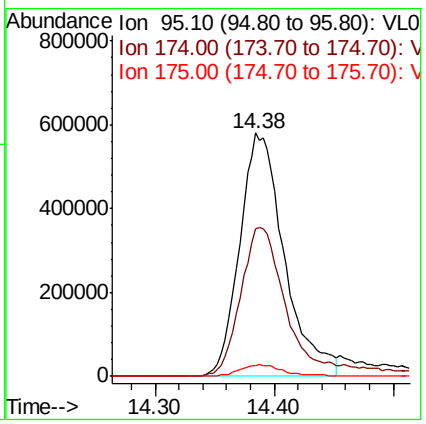


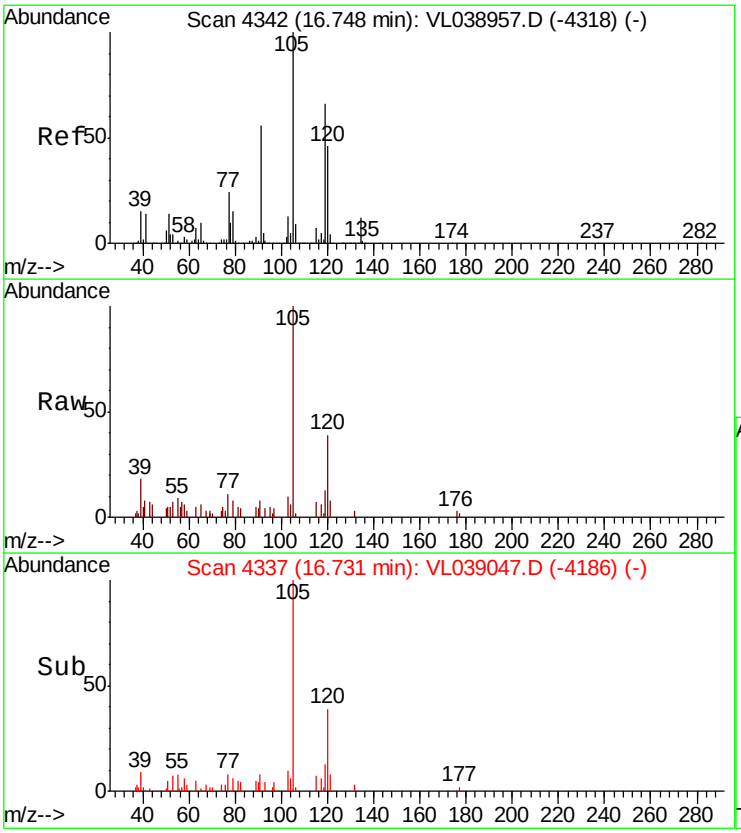
#68
1-Bromo-4-Fluorobenzene
Concen: 9.331 ppbv
RT: 14.38
Delta R.T
Lab File:
Acq: 13 May 2022 21:48

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 95 Resp: 1506761

Ion	Ratio	Lower	Upper
95	100		
174	67.4	50.8	76.2
175	5.1	3.8	5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.073 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. -0.02 min
Lab File: VL039047.D
Acq: 13 May 2022 21:48

Tgt Ion:105 Resp: 19218

Ion	Ratio	Lower	Upper
105	100		
120	39.2	36.9	55.3
91	4.7	45.0	67.4#
77	9.2	19.2	28.8#