Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051122\
Data File : VL039026.D
Acq On : 11 May 2022 19:06
Operator : SY/AP
Sample : N2753-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA1DUP

Quant Time: May 12 01:56:09 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	933001	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.15	114	2469808	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.06	117	2058636	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	1598581	9.81	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	46522	0.32	ppbv		93
3) Chlorodifluoromethane	2.96	51	85812	0.74	ppbv	#	76
4) Chloromethane	3.13	50	22241	0.38	ppbv		97
9) Propene	3.01	41	27729	0.55	ppbv		91
11) Trichlorofluoromethane	3.94	101	17652	0.14	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	4683	0.05	ppbv	#	75
13) Ethanol	3.59	45	226666	63.35	ppbv		84
15) Acetone	3.83	43	1040753	11.83	ppbv		97
19) Isopropyl Alcohol	3.96	45	90202	2.16	ppbv	#	1
20) Methylene Chloride	4.33	84	776200	23.40	ppbv		96
23) Vinyl Acetate	5.05	43	26463	0.38	ppbv	#	97
25) Ethyl Acetate	5.67	43	775134	3.68	ppbv	#	77
26) Hexane	5.67	57	1077351	11.51	ppbv	#	39
29) Chloroform	5.73	83	40309	0.27	ppbv		94
30) Cyclohexane	7.10	84	2394	0.03	ppbv	#	1
34) 2-Butanone	5.23	43	29115	0.23	ppbv	#	54
35) Carbon Tetrachloride	7.00	117	8830	0.05	ppbv	#	77
36) Benzene	6.87	78	29280	0.14	ppbv		99
39) 1,2-Dichloropropane	7.15	63	605776	7.37	ppbv	#	25
41) Tetrahydrofuran	6.00	42	7371	0.09	ppbv	#	50
53) Toluene	9.78	91	85275	0.36	ppbv		100
58) Ethyl Benzene	12.67	91	11641	0.04	ppbv		94
59) m/p-Xylene	12.97	91	18094	0.07	ppbv	#	33
60) o-Xylene	13.66	91	21540	0.09	ppbv	#	63
73) 1,3,5-Trimethylbenzene	15.97	105	11107	0.05	ppbv		90
74) 1,2,4-Trimethylbenzene	16.73	105	32347	0.12	ppbv	#	71

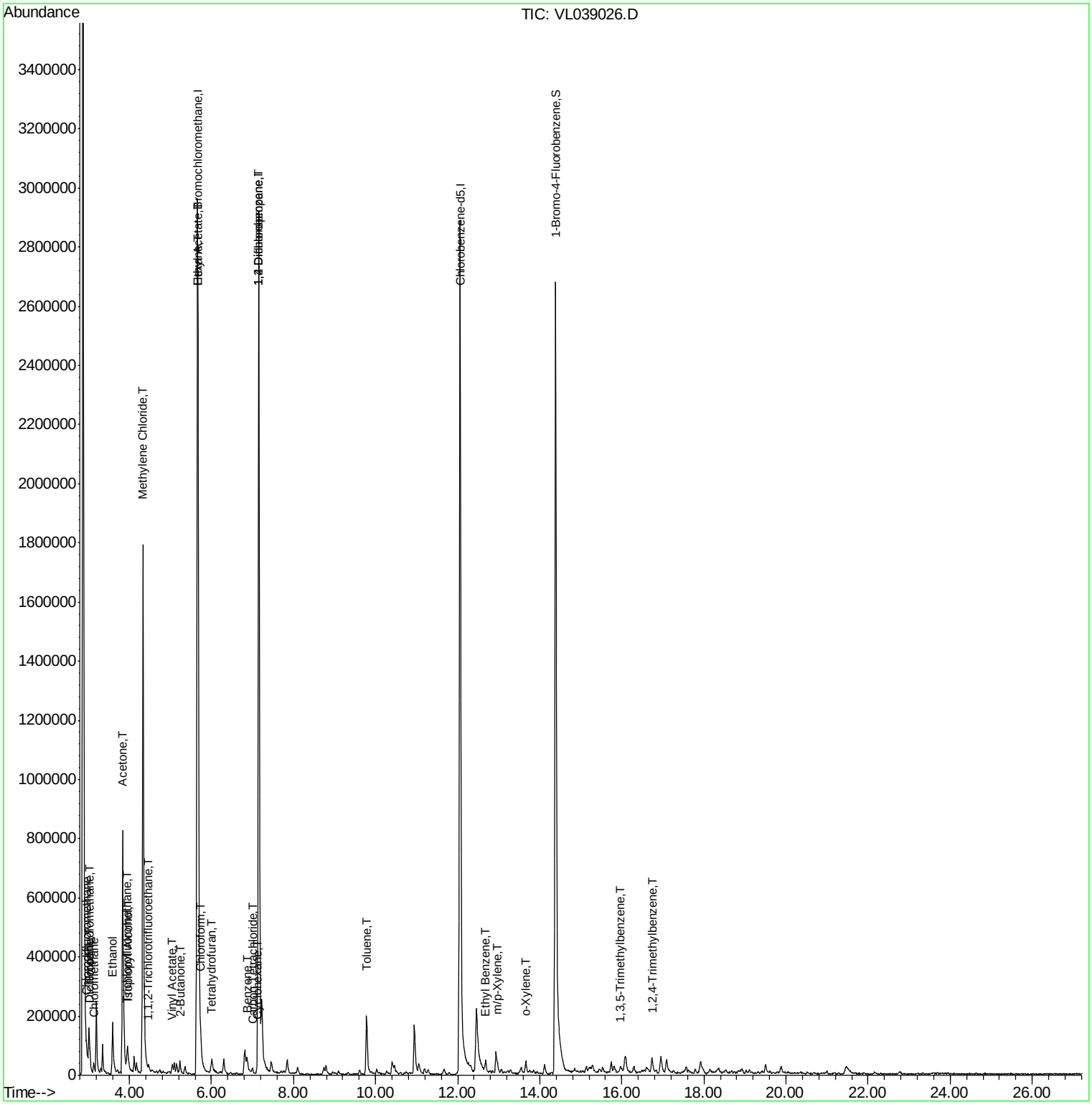
(#) = qualifier out of range (m) = manual integration (+) = signals summed

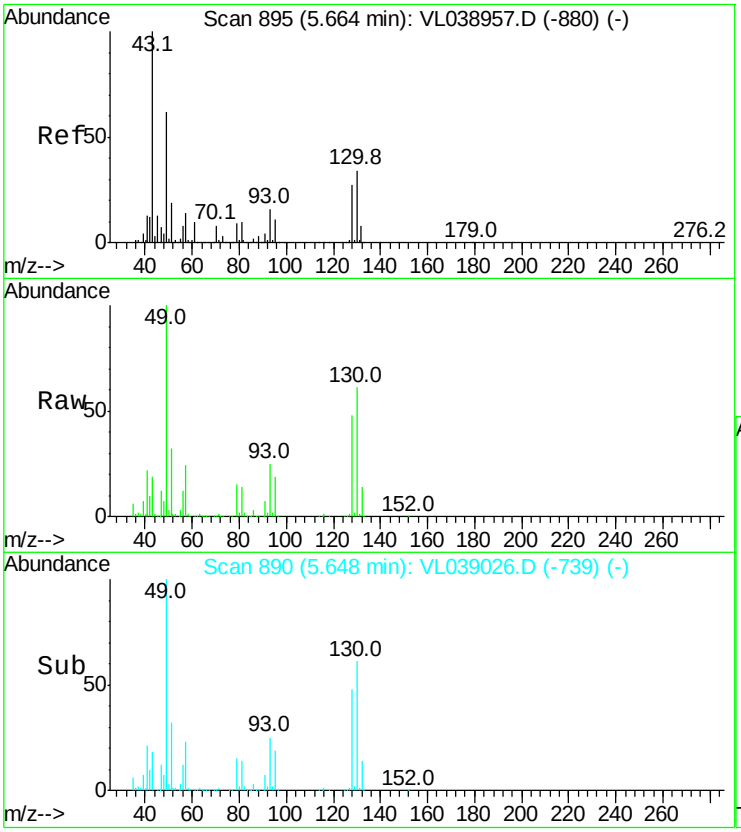
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051122\
Data File : VL039026.D
Acq On : 11 May 2022 19:06
Operator : SY/AP
Sample : N2753-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Quant Time: May 12 01:56:09 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



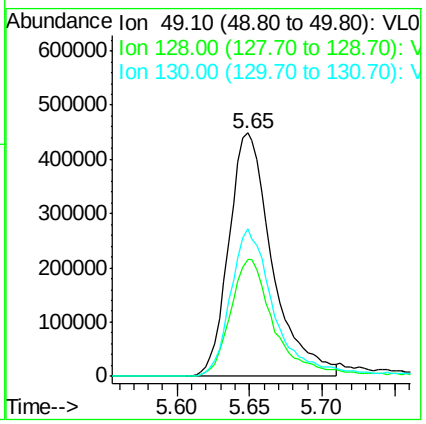


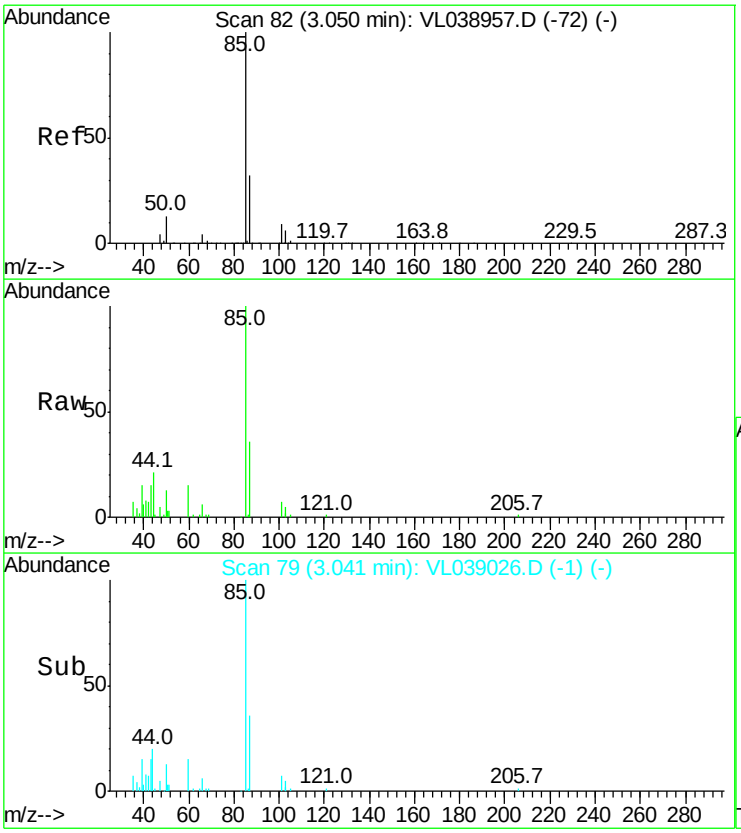
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 11 May 2022 19:06

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 49 Resp: 933001

Ion	Ratio	Lower	Upper
49	100		
128	49.8	23.3	69.8
130	62.8	29.8	89.3

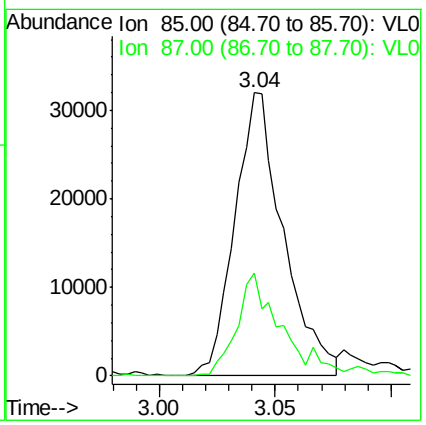


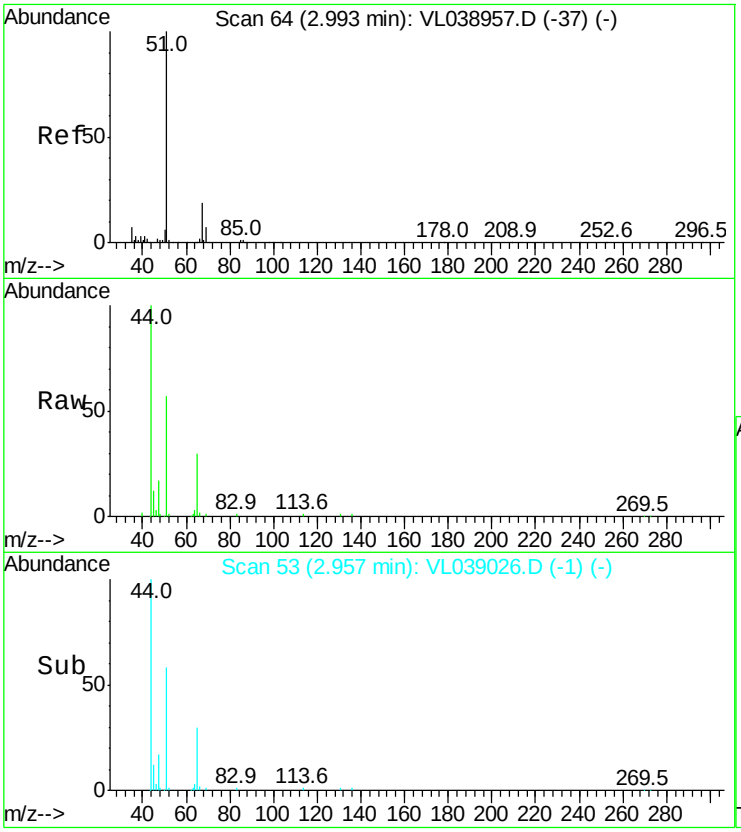


#2
Dichlorodifluoromethane
Concen: 0.32 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.01 min
Lab File: VL039026.D
Acq: 11 May 2022 19:06

Tgt Ion: 85 Resp: 46522

Ion	Ratio	Lower	Upper
85	100		
87	36.2	25.7	38.5



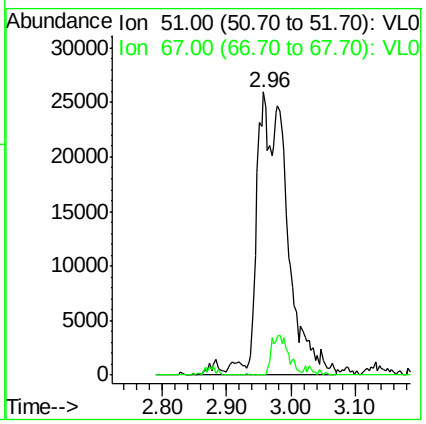


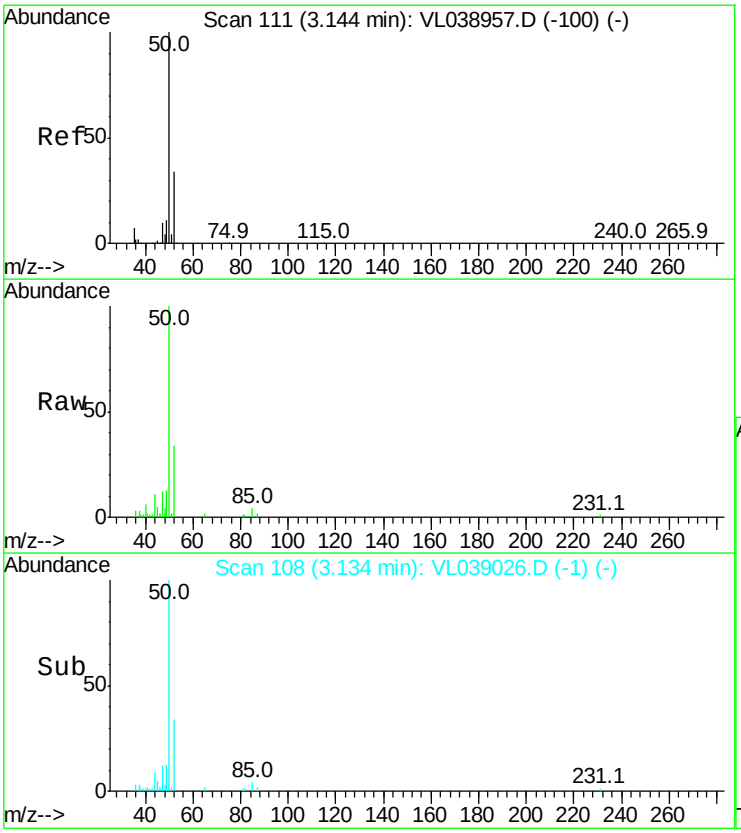
#3
Chlorodifluoromethane
Concen: 0.74 ppbv
RT: 2.96
Delta R.T
Lab File:
Acq: 11 May 2022 19:06

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 51 Resp: 85812

Ion	Ratio	Lower	Upper
51	100		
67	8.6	15.8	23.8#

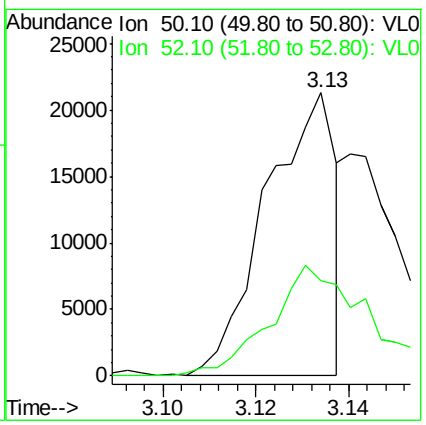


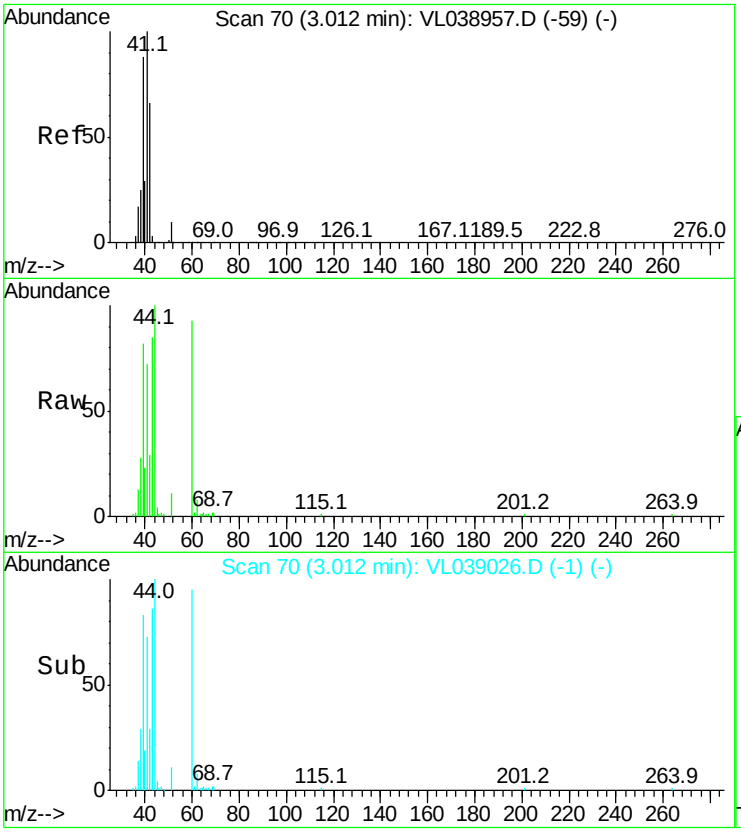


#4
Chloromethane
Concen: 0.38 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.01 min
Lab File: VL039026.D
Acq: 11 May 2022 19:06

Tgt Ion: 50 Resp: 22241

Ion	Ratio	Lower	Upper
50	100		
52	32.7	27.3	40.9



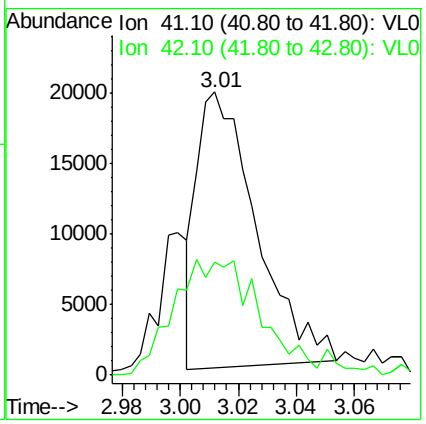


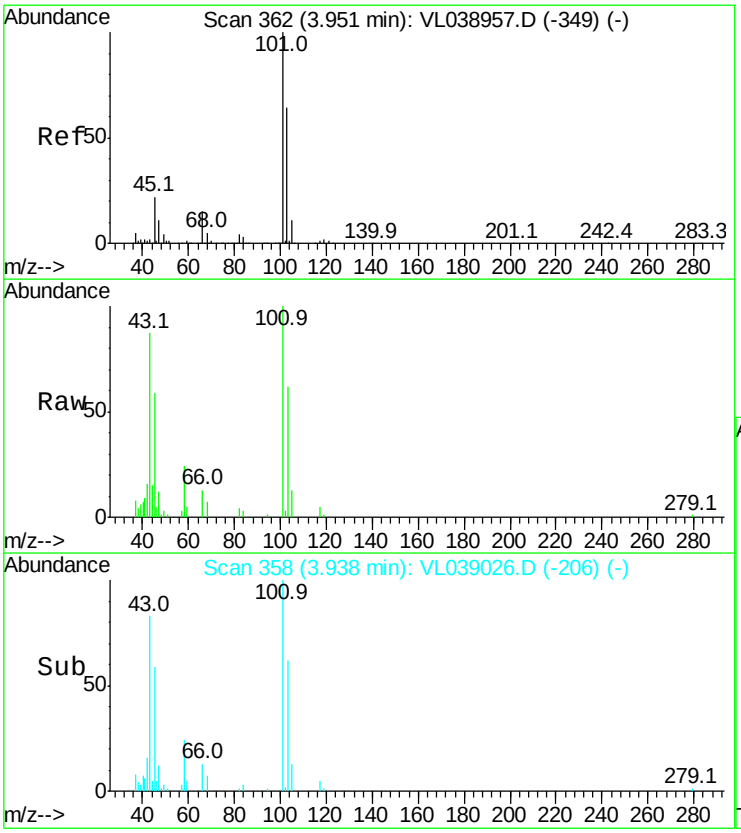
#9
Propene
Concen: 0.55 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 11 May 2022 19:06

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 41 Resp: 27729

Ion	Ratio	Lower	Upper
41	100		
42	65.1	58.3	87.5

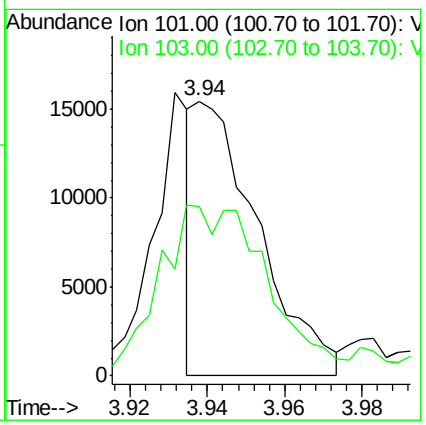


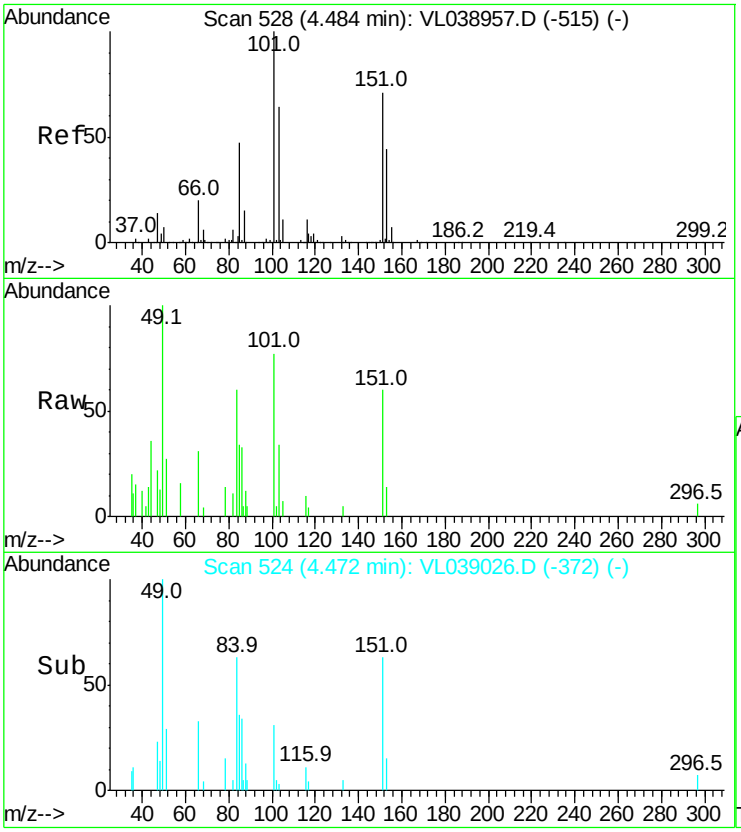


#11
Trichlorofluoromethane
Concen: 0.14 ppbv
RT: 3.94 min Scan# 358
Delta R.T. -0.01 min
Lab File: VL039026.D
Acq: 11 May 2022 19:06

Tgt Ion:101 Resp: 17652

Ion	Ratio	Lower	Upper
101	100		
103	60.9	51.5	77.3



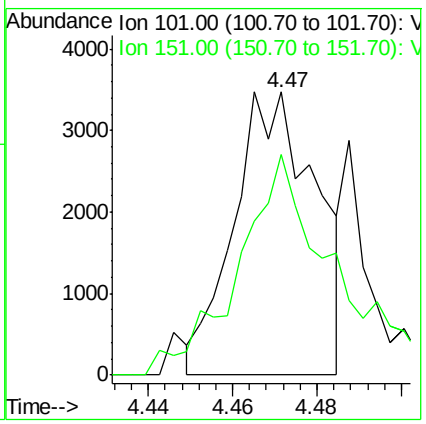


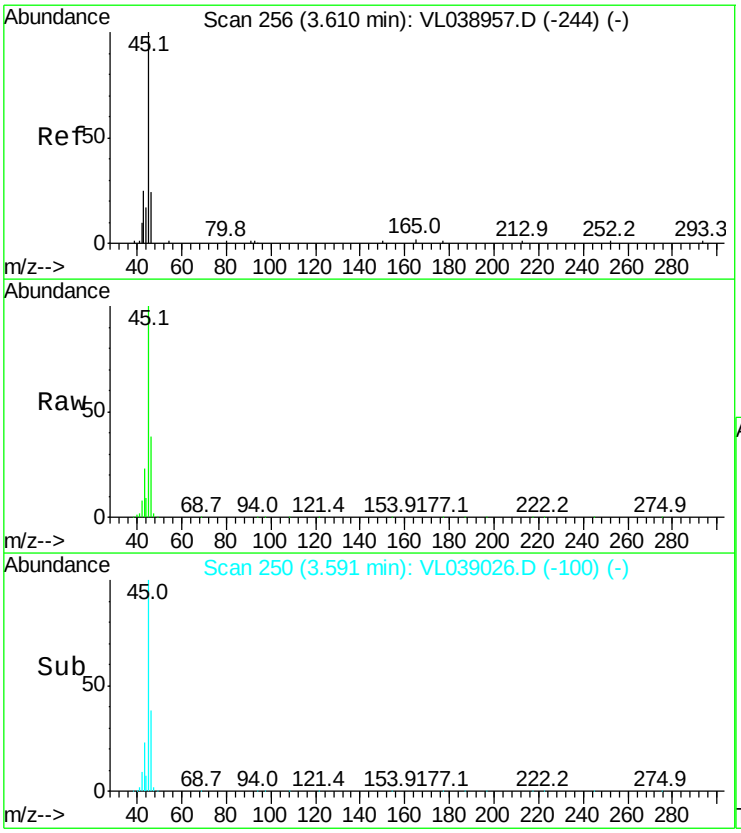
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.05 ppbv
RT: 4.47
Delta R.T
Lab File:
Acq: 11 May 2022 19:06

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion:101 Resp: 4683

Ion	Ratio	Lower	Upper
101	100		
151	89.9	55.4	83.0#

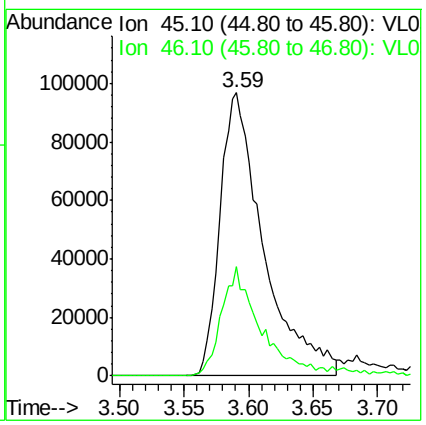


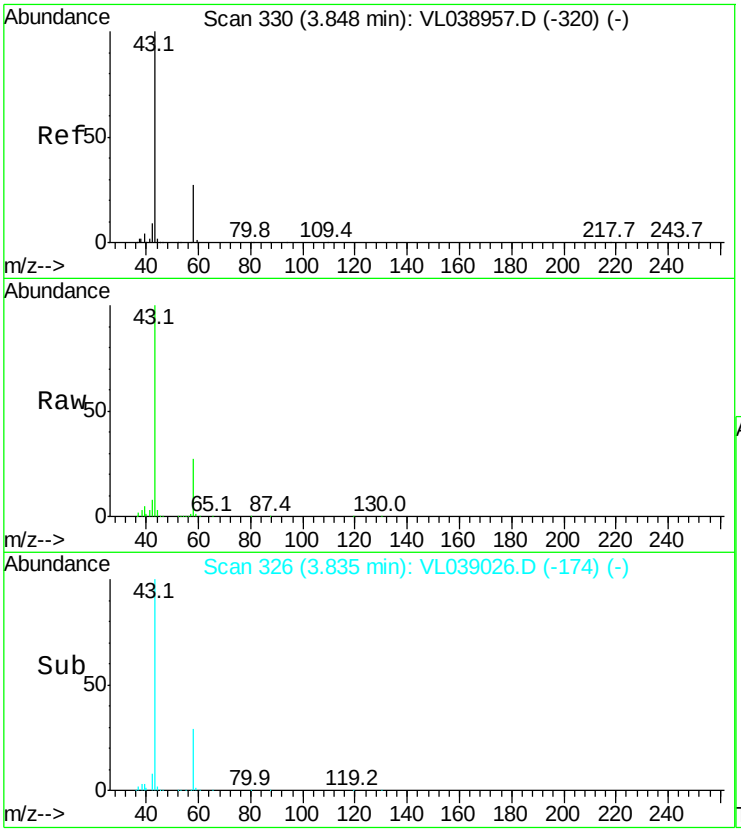


#13
Ethanol
Concen: 63.35 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL039026.D
Acq: 11 May 2022 19:06

Tgt Ion: 45 Resp: 226666

Ion	Ratio	Lower	Upper
45	100		
46	34.5	18.0	72.2



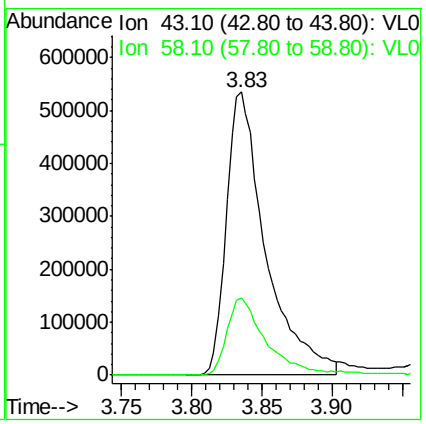


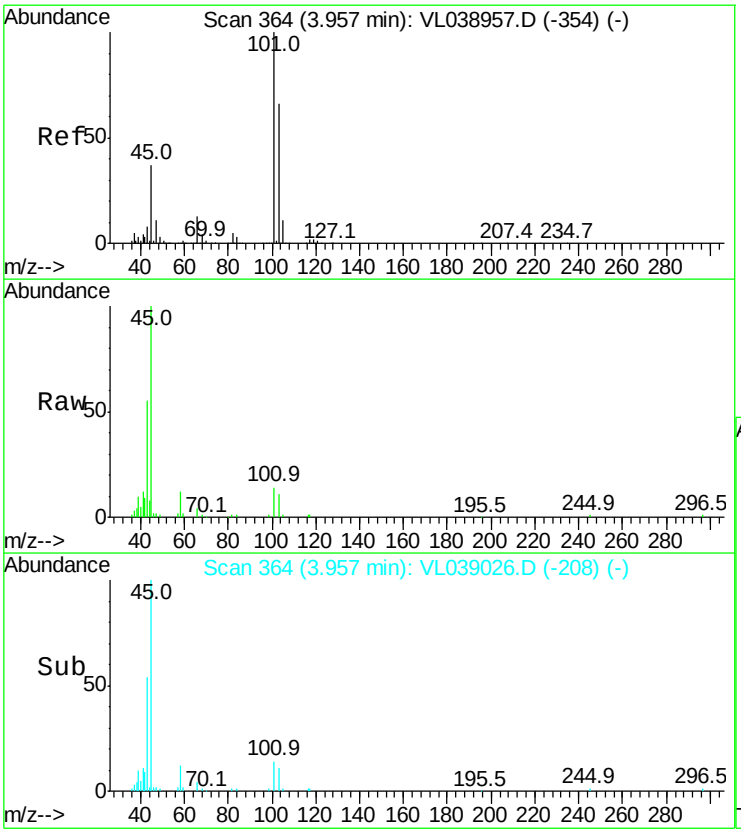
#15
Acetone
Concen: 11.83 ppbv
RT: 3.83
Delta R.T
Lab File:
Acq: 11 May 2022 19:06

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 43 Resp: 1040753

Ion	Ratio	Lower	Upper
43	100		
58	27.9	21.3	31.9

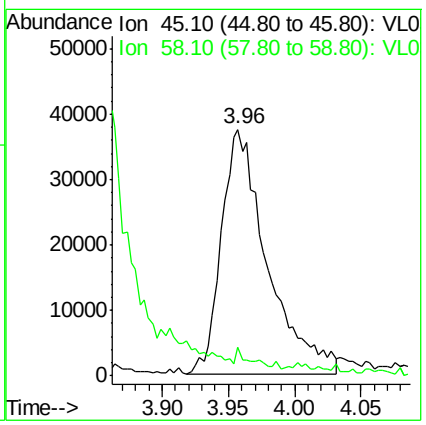


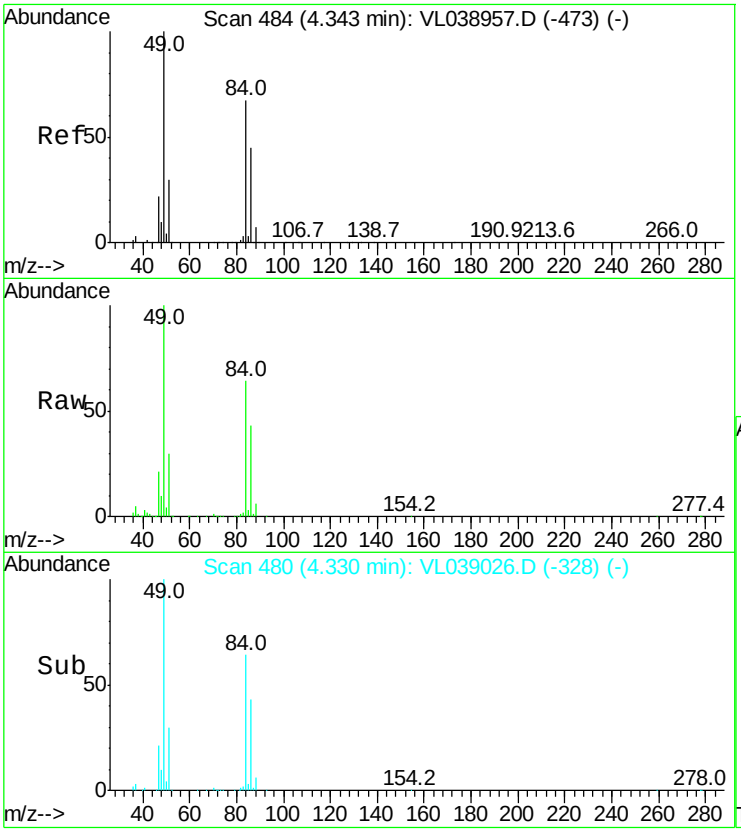


#19
Isopropyl Alcohol
Concen: 2.16 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.00 min
Lab File: VL039026.D
Acq: 11 May 2022 19:06

Tgt Ion: 45 Resp: 90202

Ion	Ratio	Lower	Upper
45	100		
58	322.3	1.4	2.2#



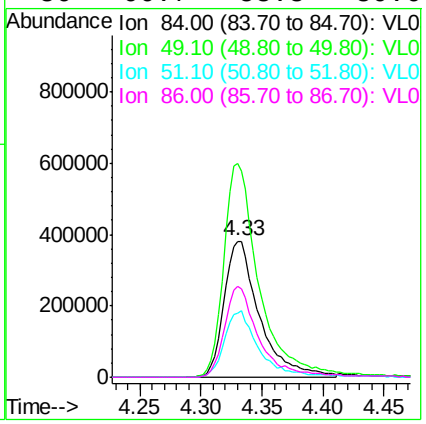


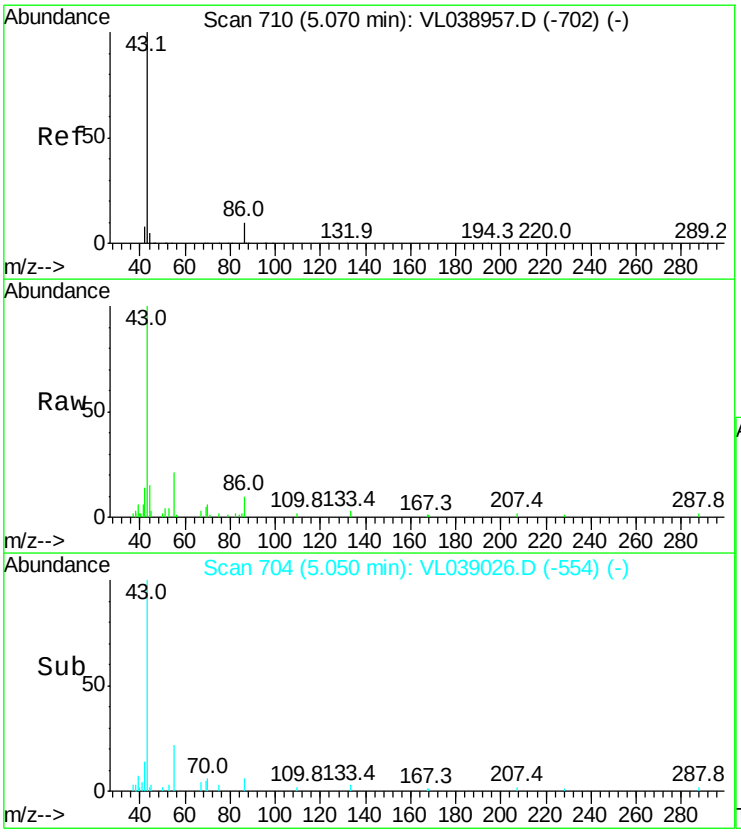
#20
Methylene Chloride
Concen: 23.40 ppbv
RT: 4.33
Delta R.T
Lab File:
Acq: 11 May 2022 19:06

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 84 Resp: 776200

Ion	Ratio	Lower	Upper
84	100		
49	156.8	119.9	179.9
51	47.0	35.7	53.5
86	66.7	53.8	80.6

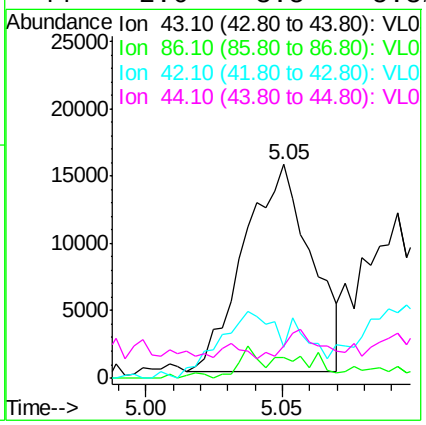


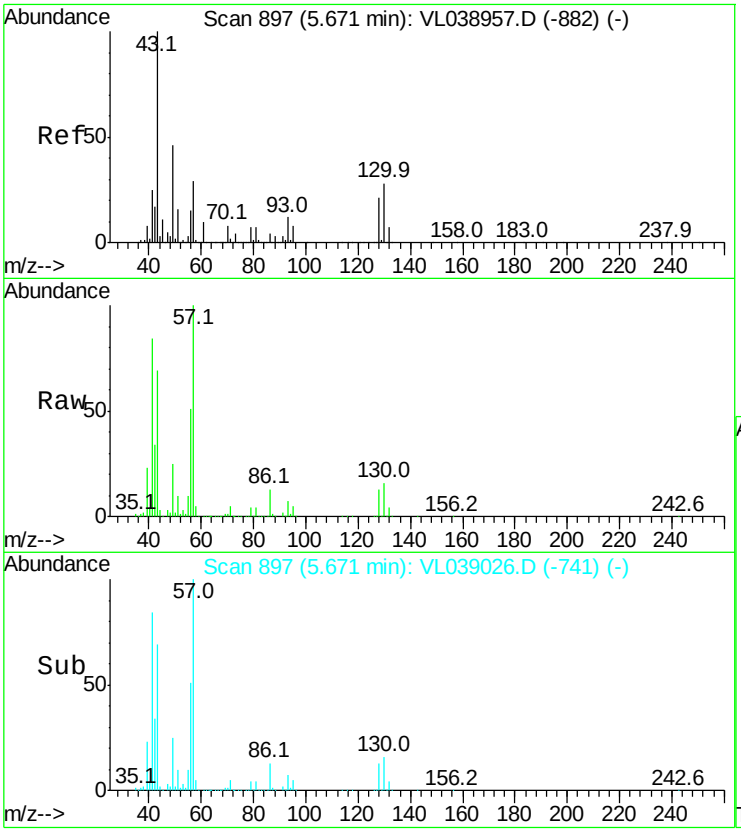


#23
Vinyl Acetate
Concen: 0.38 ppbv
RT: 5.05 min Scan# 704
Delta R.T. -0.02 min
Lab File: VL039026.D
Acq: 11 May 2022 19:06

Tgt Ion: 43 Resp: 26463

Ion	Ratio	Lower	Upper
43	100		
86	9.1	6.6	9.8
42	9.6	8.1	12.1
44	2.6	3.5	5.3#



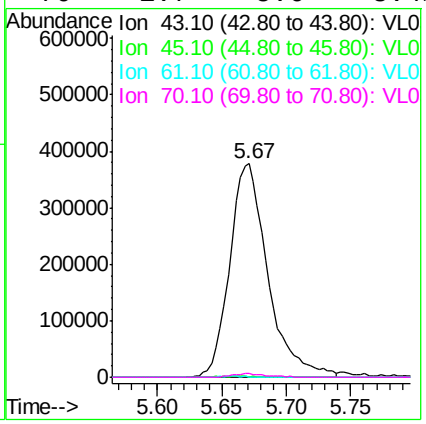


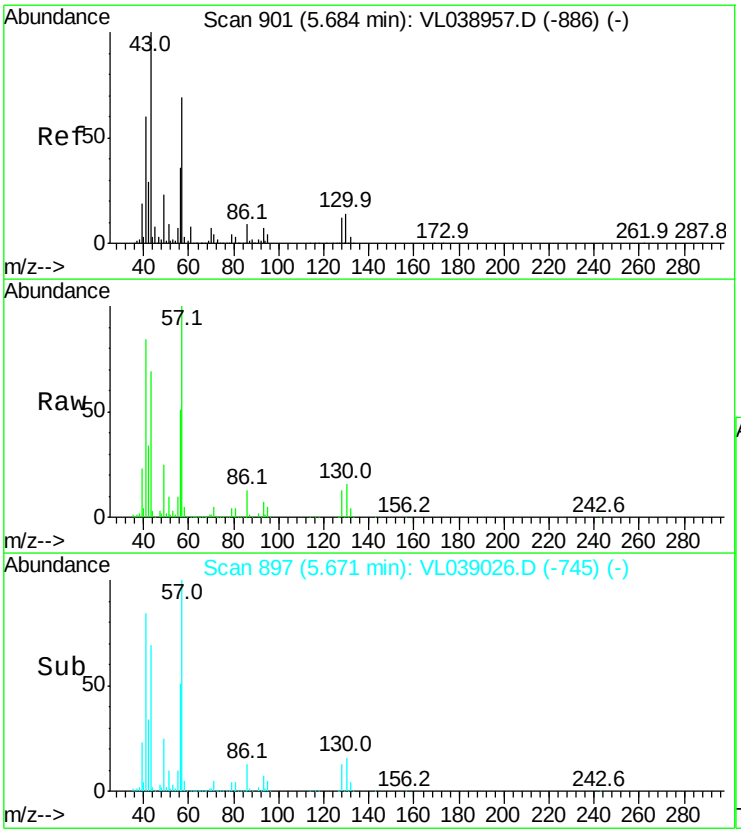
#25
Ethyl Acetate
Concen: 3.68 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 11 May 2022 19:06

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 43 Resp: 775134

Ion	Ratio	Lower	Upper
43	100		
45	0.5	8.1	12.1#
61	0.4	7.8	11.6#
70	1.7	5.6	8.4#

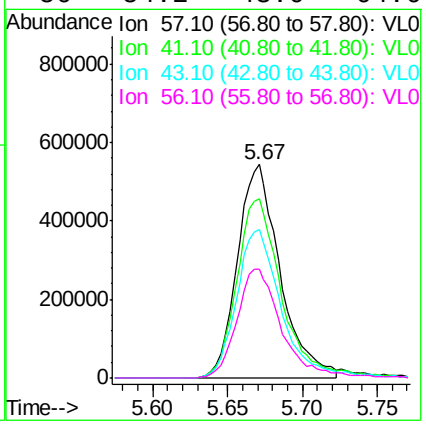


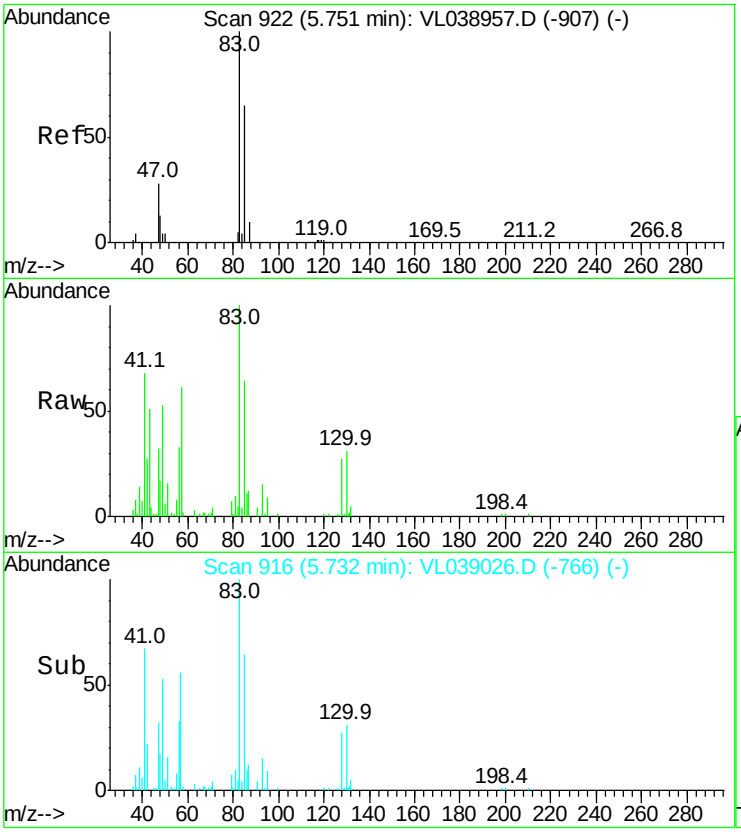


#26
Hexane
Concen: 11.51 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL039026.D
Acq: 11 May 2022 19:06

Tgt Ion: 57 Resp: 1077351

Ion	Ratio	Lower	Upper
57	100		
41	89.5	75.2	112.8
43	73.4	190.8	286.2#
56	54.2	43.0	64.6



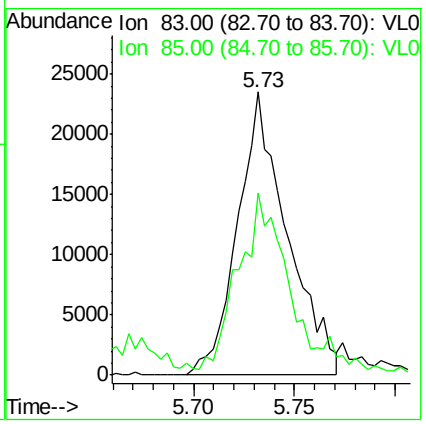


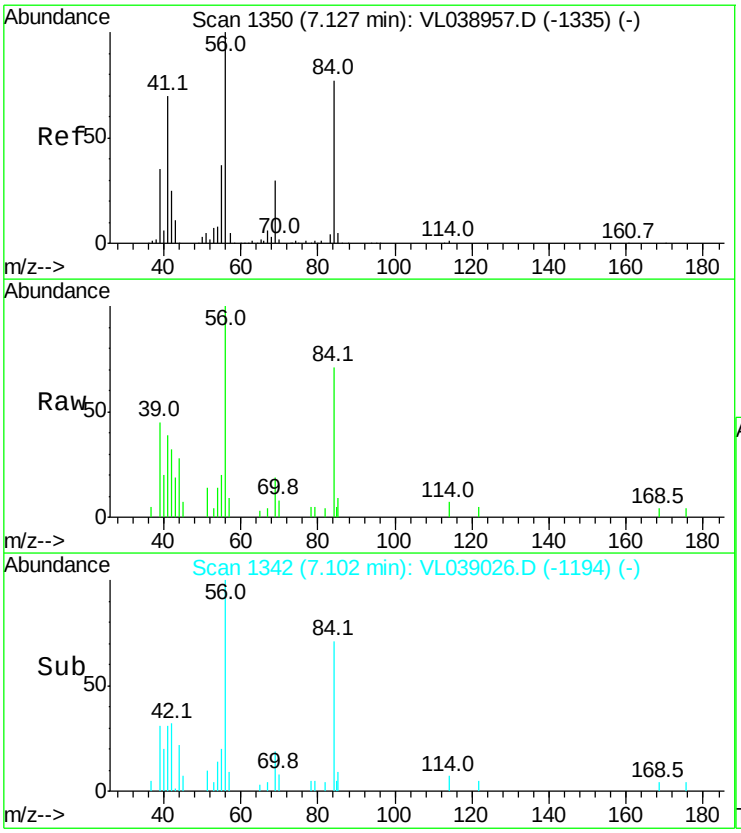
#29
Chloroform
Concen: 0.27 ppbv
RT: 5.73
Delta R.T
Lab File:
Acq: 11 May 2022 19:06

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 83 Resp: 40309

Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.8	77.6

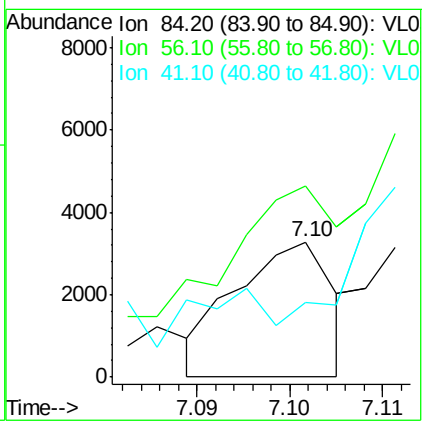


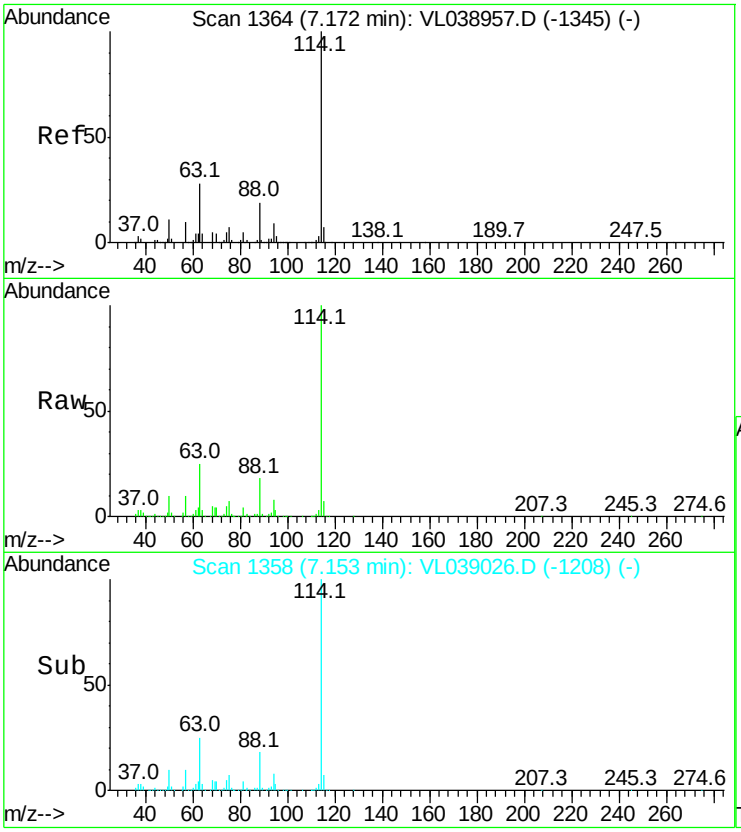


#30
Cyclohexane
Concen: 0.03 ppbv
RT: 7.10 min Scan# 1342
Delta R.T. -0.03 min
Lab File: VL039026.D
Acq: 11 May 2022 19:06

Tgt Ion: 84 Resp: 2394

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



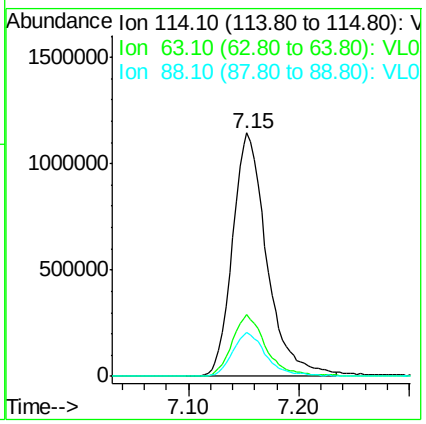


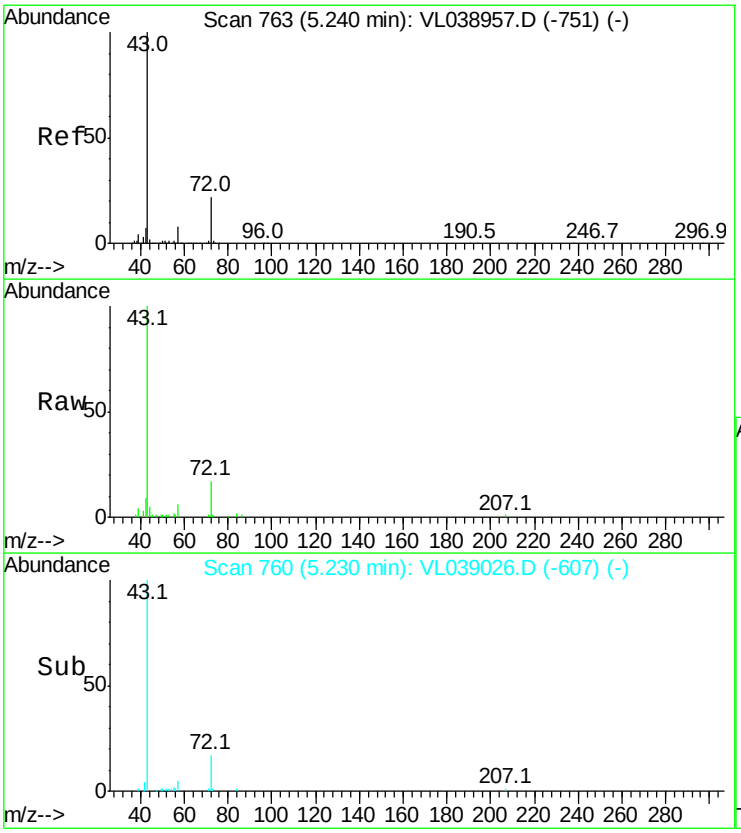
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.15
Delta R.T
Lab File:
Acq: 11 May 2022 19:06

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion:114 Resp: 2469808

Ion	Ratio	Lower	Upper
114	100		
63	25.4	22.6	33.8
88	18.0	15.4	23.0

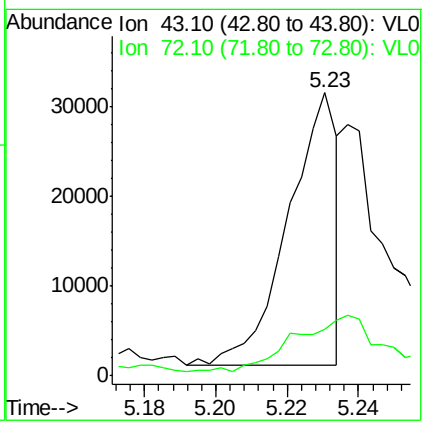


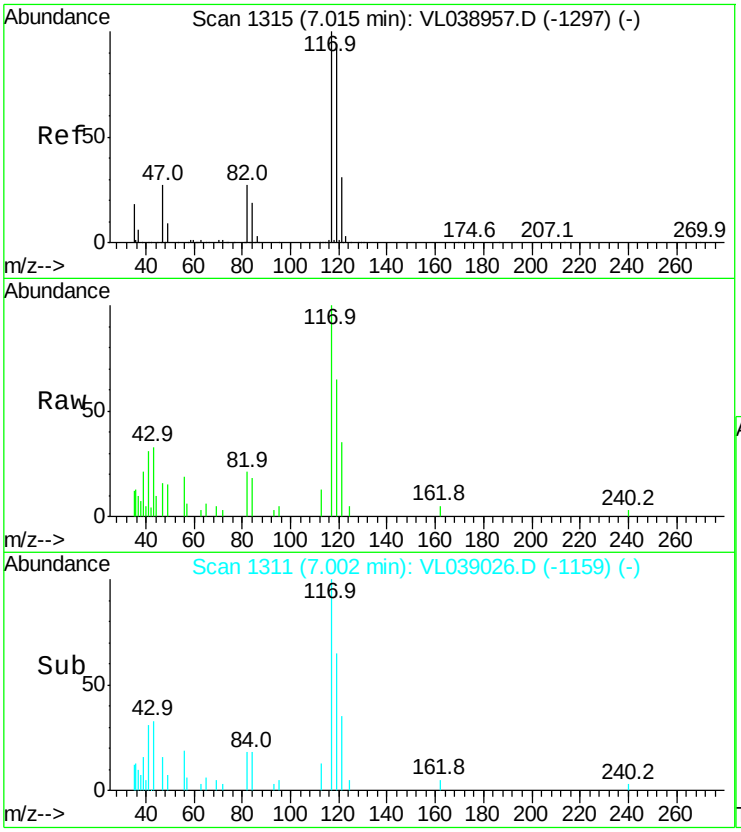


#34
2-Butanone
Concen: 0.23 ppbv
RT: 5.23 min Scan# 760
Delta R.T. -0.01 min
Lab File: VL039026.D
Acq: 11 May 2022 19:06

Tgt Ion: 43 Resp: 29115

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.8	26.6#



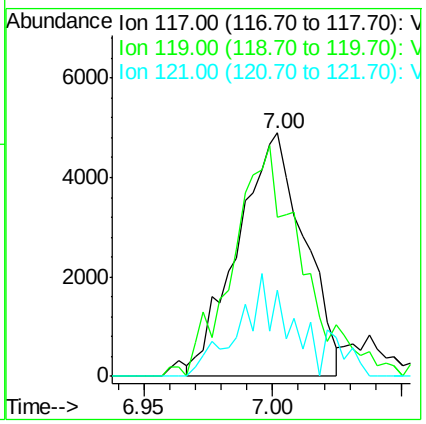


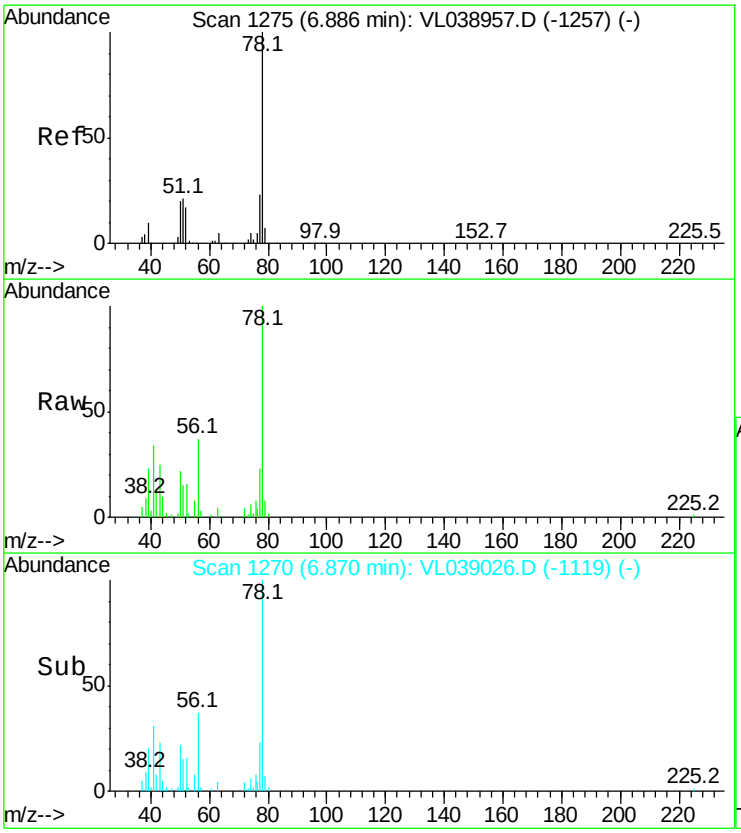
#35
Carbon Tetrachloride
Concen: 0.05 ppbv
RT: 7.00
Delta R.T
Lab File:
Acq: 11 May 2022 19:06

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion:117 Resp: 8830

Ion	Ratio	Lower	Upper
117	100		
119	68.0	75.2	112.8#
121	36.8	24.6	37.0

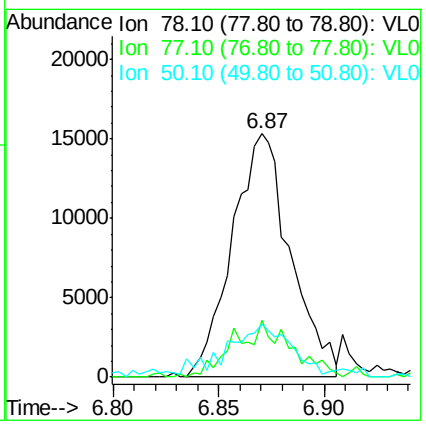


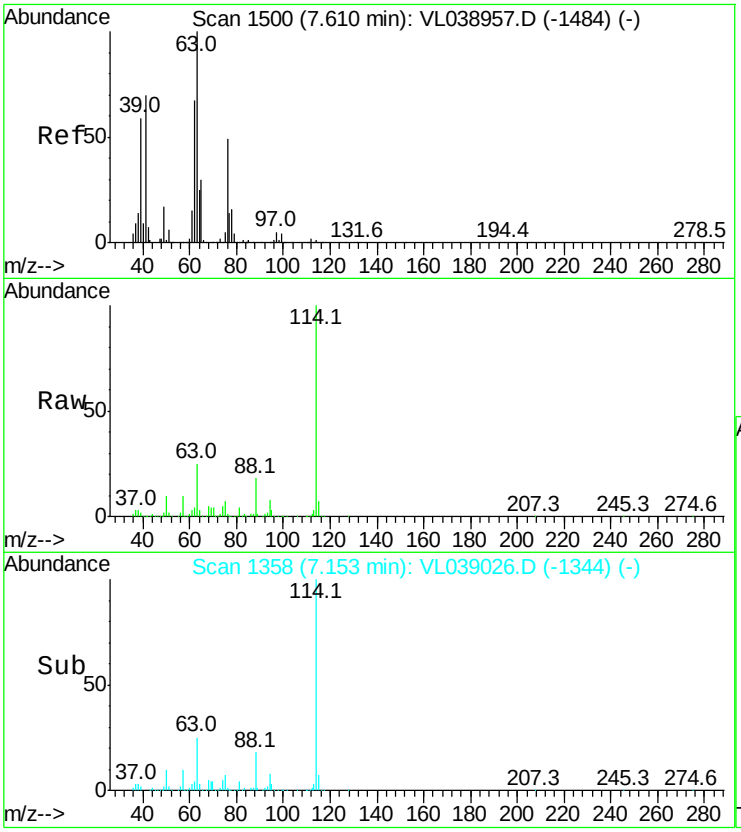


#36
Benzene
Concen: 0.14 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.02 min
Lab File: VL039026.D
Acq: 11 May 2022 19:06

Tgt Ion: 78 Resp: 29280

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0
50	18.8	15.6	23.4



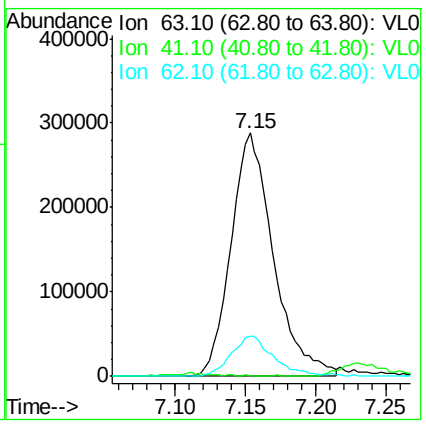


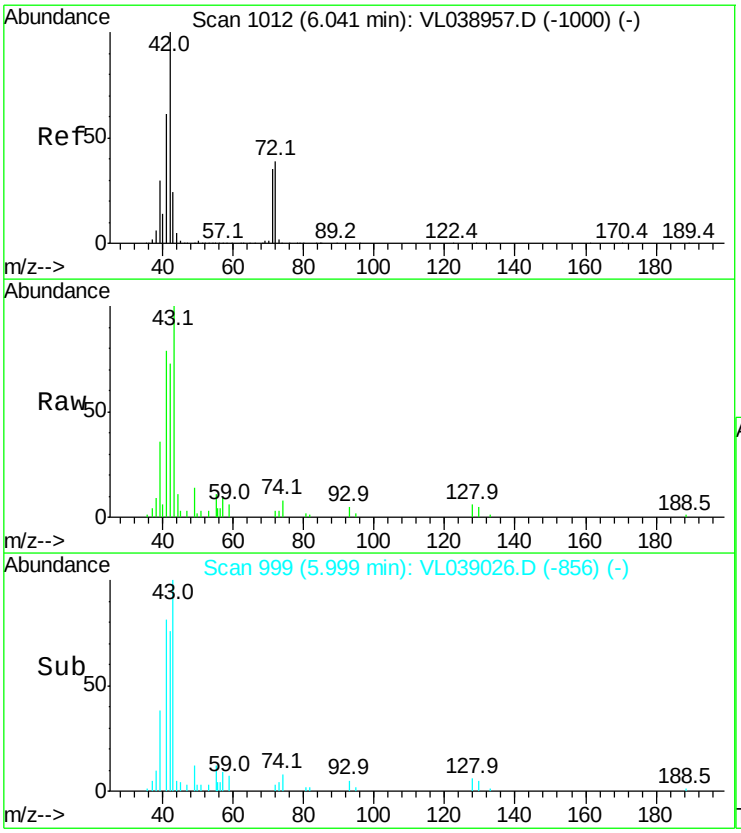
#39
1,2-Dichloropropane
Concen: 7.37 ppbv
RT: 7.15
Delta R.T
Lab File:
Acq: 11 May 2022 19:06

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 63 Resp: 605776

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.9	83.9#
62	16.4	53.8	80.6#

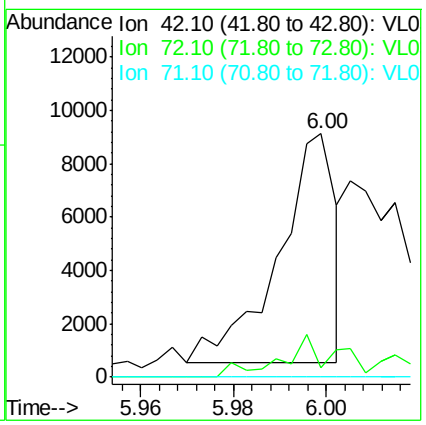


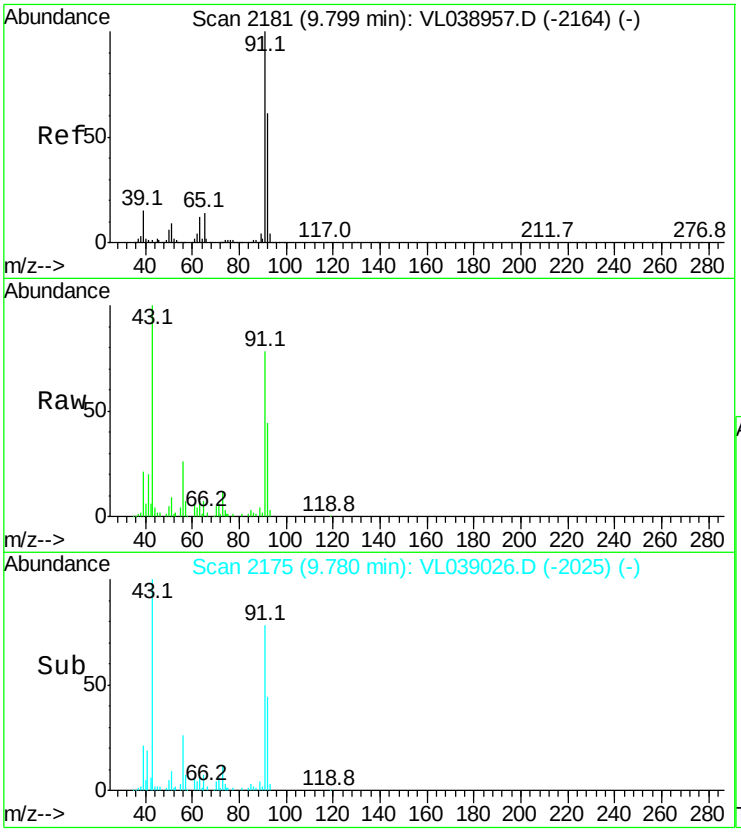


#41
Tetrahydrofuran
Concen: 0.09 ppbv
RT: 6.00 min Scan# 999
Delta R.T. -0.04 min
Lab File: VL039026.D
Acq: 11 May 2022 19:06

Tgt Ion: 42 Resp: 7371

Ion	Ratio	Lower	Upper
42	100		
72	17.2	31.8	47.6#
71	0.0	30.6	45.8#



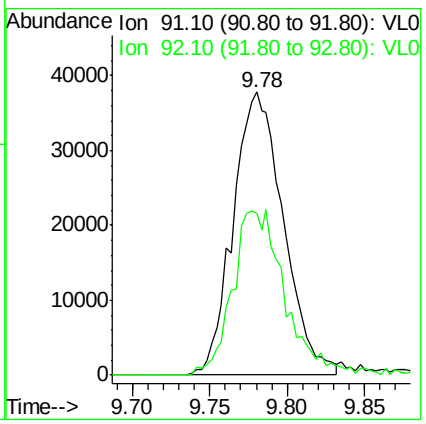


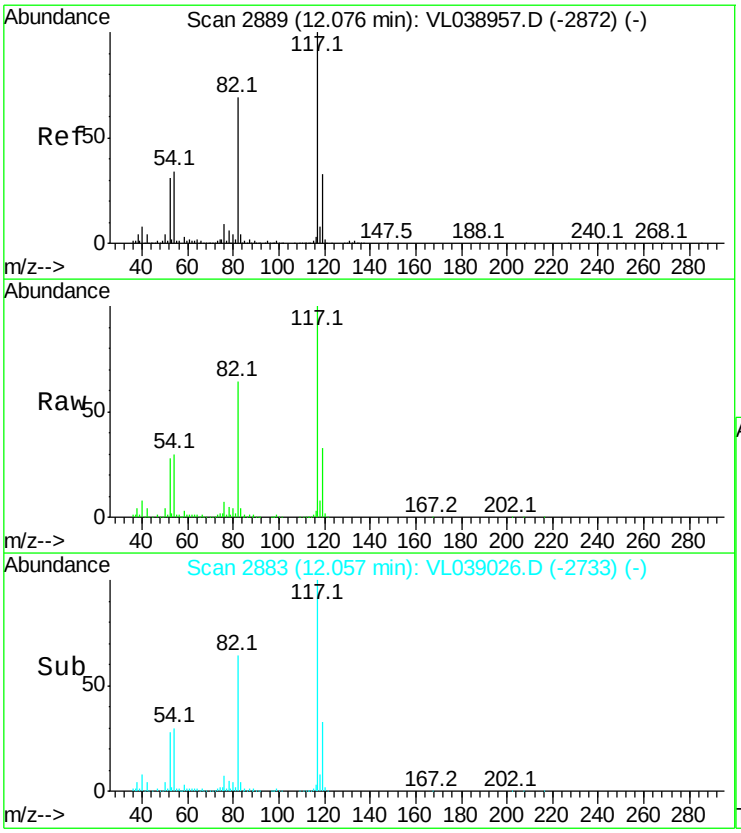
#53
Toluene
Concen: 0.36 ppbv
RT: 9.78
Delta R.T
Lab File:
Acq: 11 May 2022 19:06

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 91 Resp: 85275

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.2	72.2

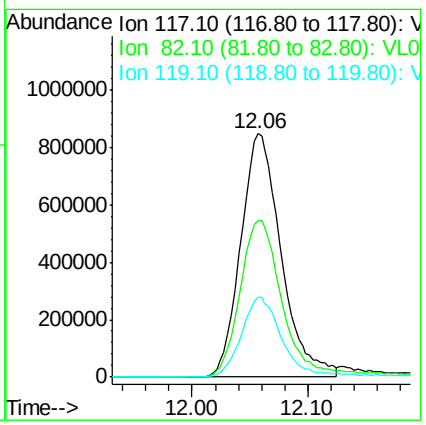


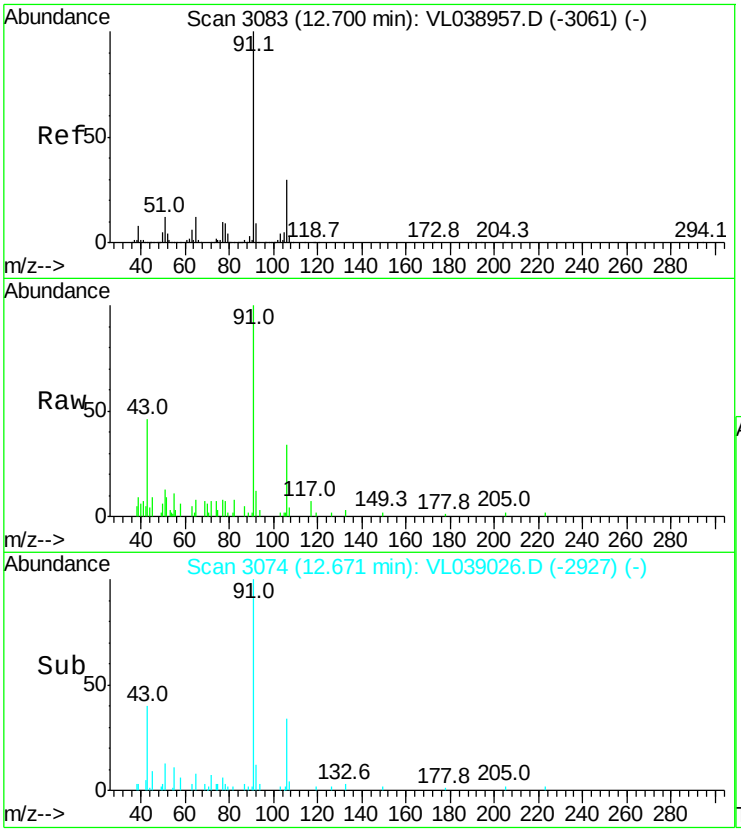


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.02 min
Lab File: VL039026.D
Acq: 11 May 2022 19:06

Tgt Ion:117 Resp: 2058636

Ion	Ratio	Lower	Upper
117	100		
82	70.9	57.0	85.6
119	33.6	27.2	40.8



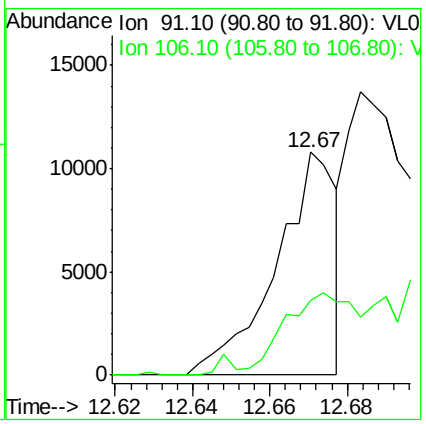


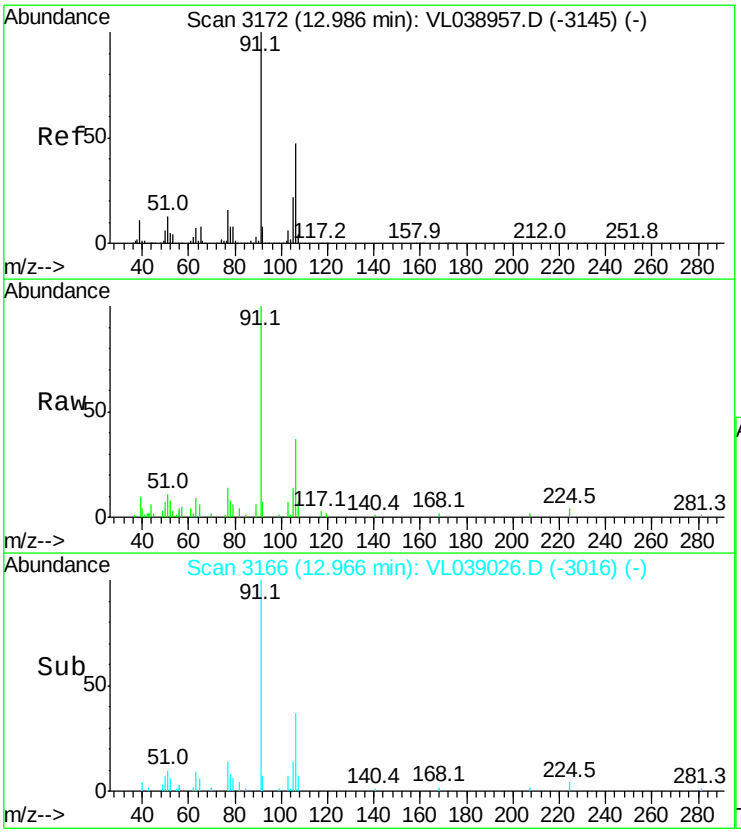
#58
Ethyl Benzene
Concen: 0.04 ppbv
RT: 12.67
Delta R.T
Lab File:
Acq: 11 May 2022 19:06

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 91 Resp: 11641

Ion	Ratio	Lower	Upper
91	100		
106	33.6	24.2	36.4

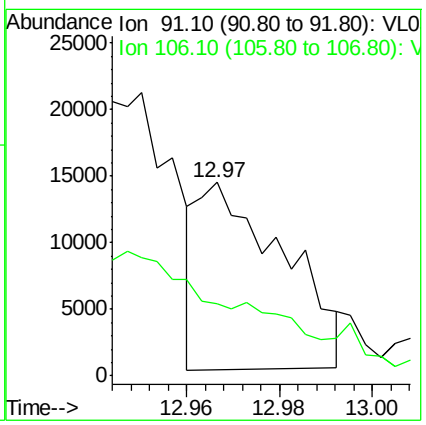


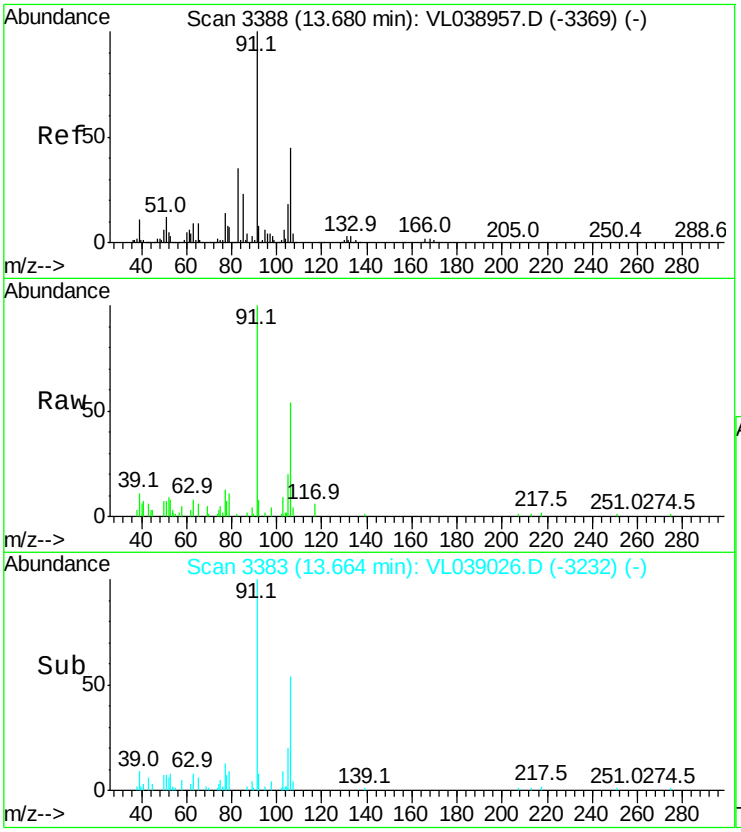


#59
m/p-Xylene
Concen: 0.07 ppbv
RT: 12.97 min Scan# 3166
Delta R.T. -0.02 min
Lab File: VL039026.D
Acq: 11 May 2022 19:06

Tgt Ion: 91 Resp: 18094

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.6	52.0#



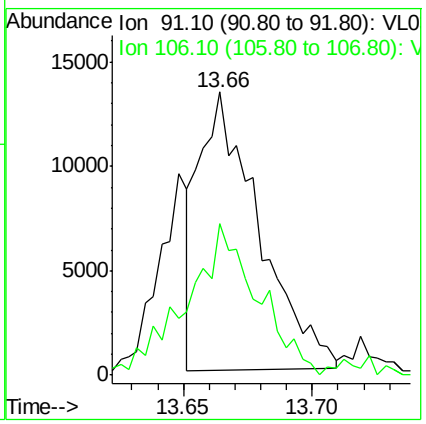


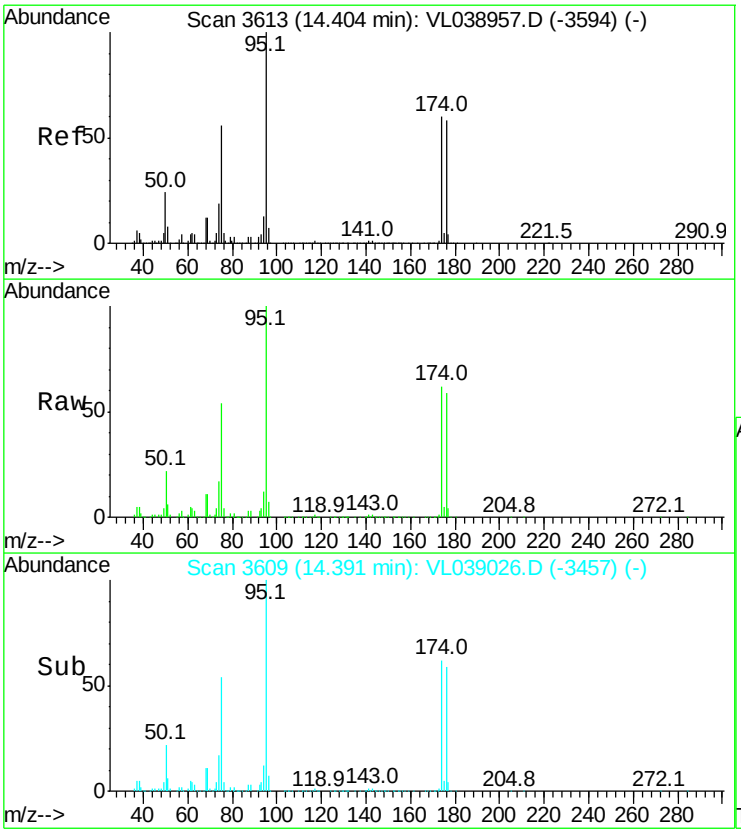
#60
o-Xylene
Concen: 0.09 ppbv
RT: 13.66
Delta R.T
Lab File:
Acq: 11 May 2022 19:06

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 91 Resp: 21540

Ion	Ratio	Lower	Upper
91	100		
106	68.2	22.2	66.6#

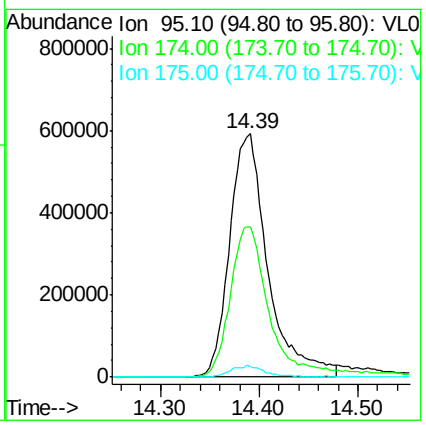


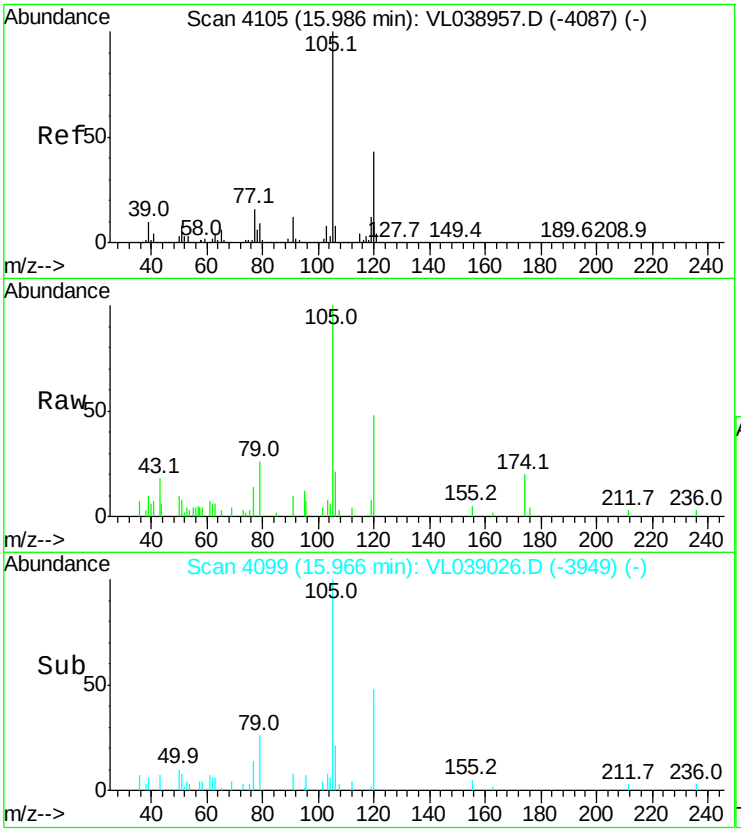


#68
1-Bromo-4-Fluorobenzene
Concen: 9.81 ppbv
RT: 14.39 min Scan# 3609
Delta R.T. -0.01 min
Lab File: VL039026.D
Acq: 11 May 2022 19:06

Tgt Ion: 95 Resp: 1598581

Ion	Ratio	Lower	Upper
95	100		
174	65.8	50.8	76.2
175	4.7	3.8	5.6



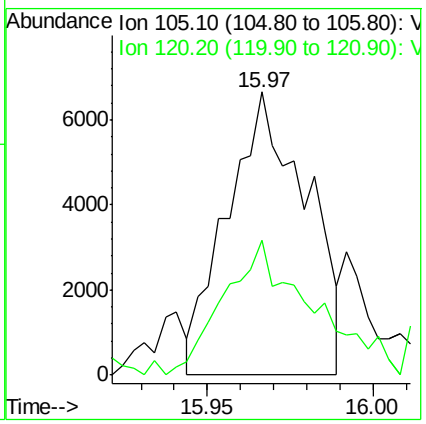


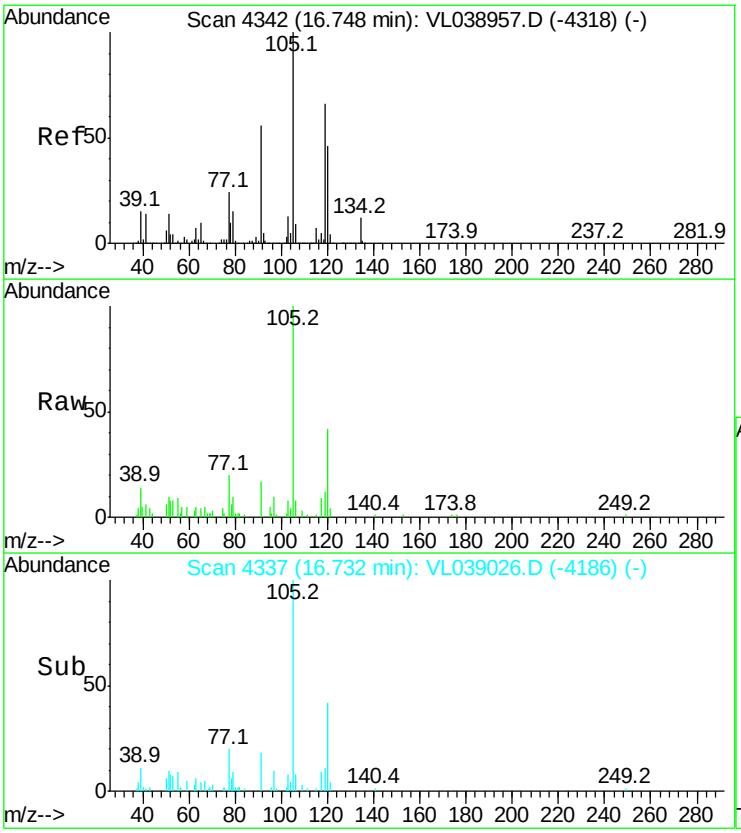
#73
1,3,5-Trimethylbenzene
Concen: 0.05 ppbv
RT: 15.97
Delta R.T
Lab File:
Acq: 11 May 2022 19:06

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion:105 Resp: 11107

Ion	Ratio	Lower	Upper
105	100		
120	49.4	34.4	51.6





#74
1,2,4-Trimethylbenzene
Concen: 0.12 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. -0.02 min
Lab File: VL039026.D
Acq: 11 May 2022 19:06

Tgt Ion:105 Resp: 32347

Ion	Ratio	Lower	Upper
105	100		
120	40.0	36.9	55.3
91	16.5	45.0	67.4#
77	21.0	19.2	28.8