

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
 Data File : VL038309.D
 Acq On : 27 Jan 2022 23:11
 Operator : SY/AP
 Sample : N1308-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-20DL

Quant Time: Jan 28 05:15:20 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	776892	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	1984865	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	1668443	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1242992	9.82	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

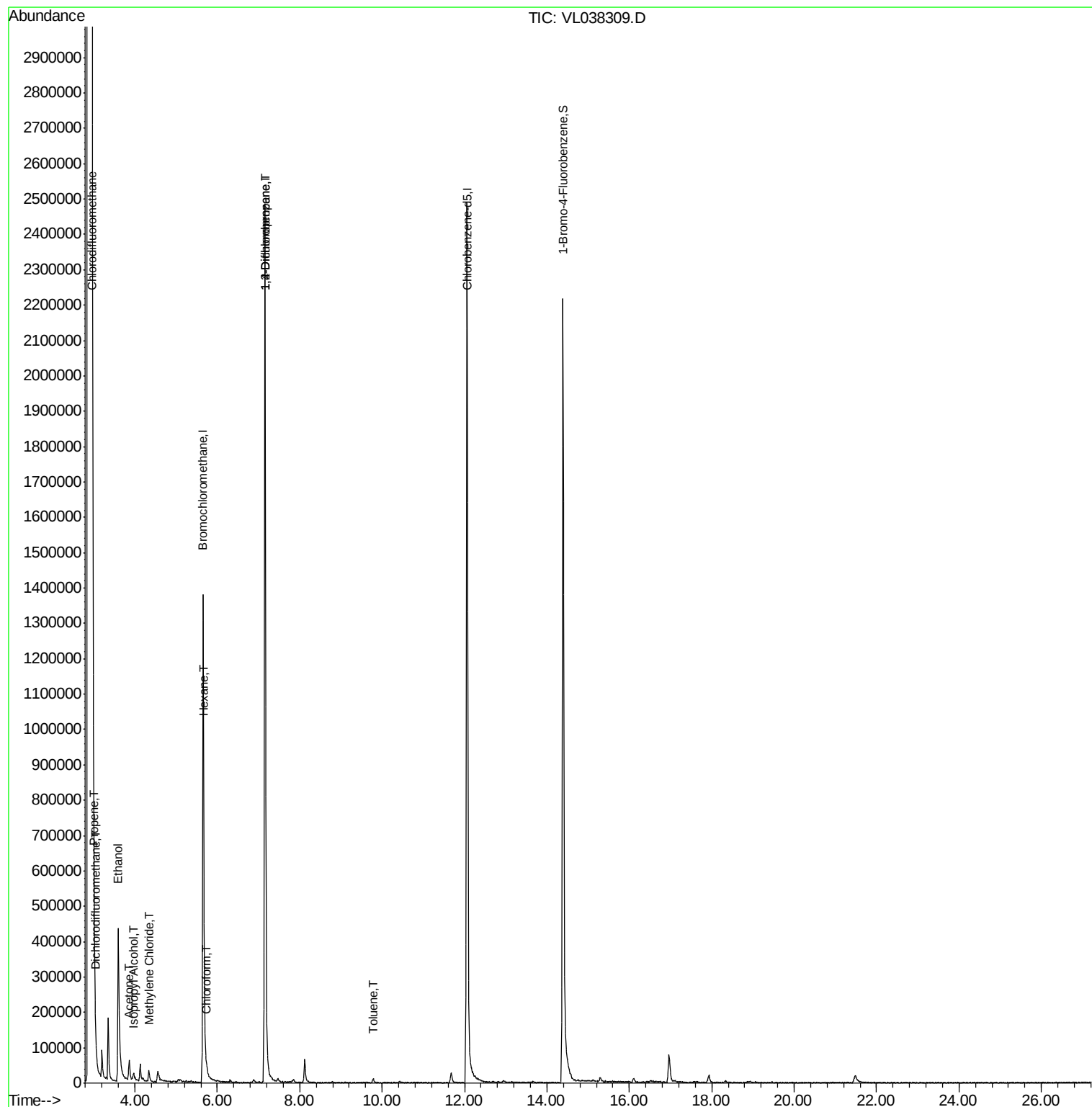
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	8008	0.048	ppbv #	83
3) Chlorodifluoromethane	2.96	51	30289	0.196	ppbv #	70
9) Propene	3.02	41	9216	0.183	ppbv	85
13) Ethanol	3.59	45	630233	116.606	ppbv	99
15) Acetone	3.85	43	26470	0.387	ppbv #	66
19) Isopropyl Alcohol	3.97	45	24777	0.578	ppbv #	87
20) Methylene Chloride	4.34	84	7126	0.179	ppbv #	89
26) Hexane	5.68	57	8984	0.101	ppbv #	53
29) Chloroform	5.73	83	5594	0.038	ppbv	99
39) 1,2-Dichloropropane	7.16	63	529864	7.444	ppbv #	25
53) Toluene	9.78	91	6483	0.033	ppbv #	70

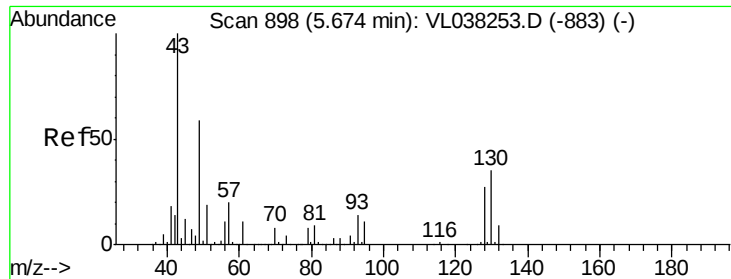
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jan 2022 23:11

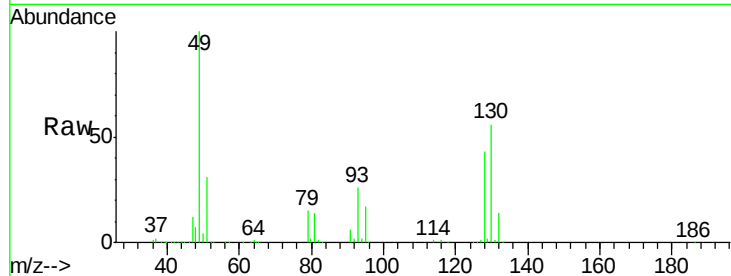
Tgt Ion: 49 Resp: 776892

Ion Ratio Lower Upper

49 100

128 46.8 24.5 73.5

130 60.2 30.1 90.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.65

400000

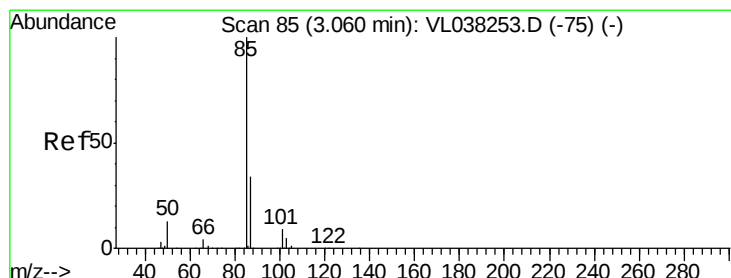
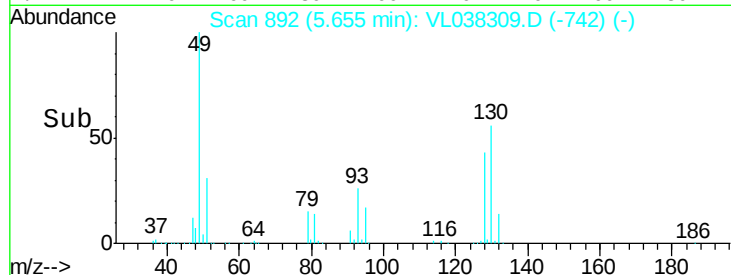
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.048 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL038309.D

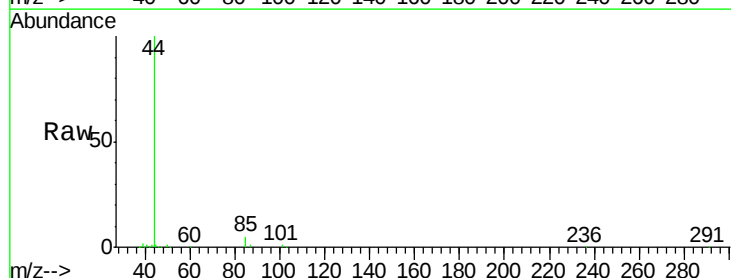
Acq: 27 Jan 2022 23:11

Tgt Ion: 85 Resp: 8008

Ion Ratio Lower Upper

85 100

87 24.1 27.0 40.6#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

8000

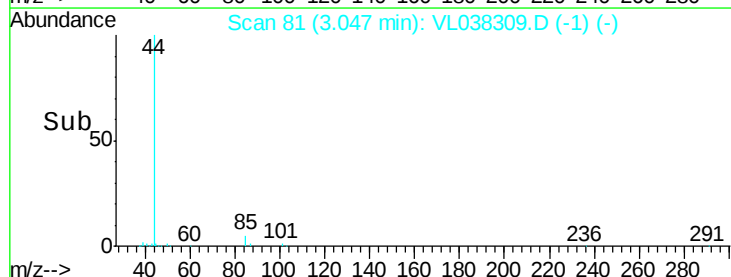
6000

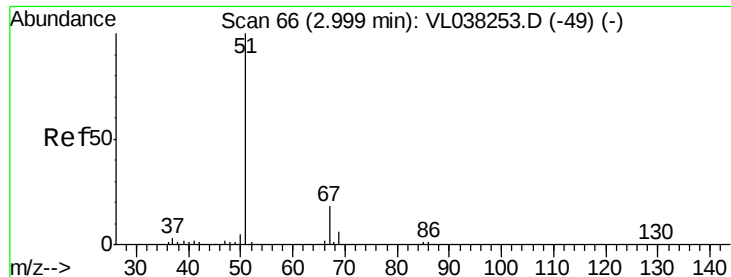
4000

2000

0

Time-->





#3

Chlorodifluoromethane

Concen: 0.196 ppbv

RT: 2.96 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-20DL

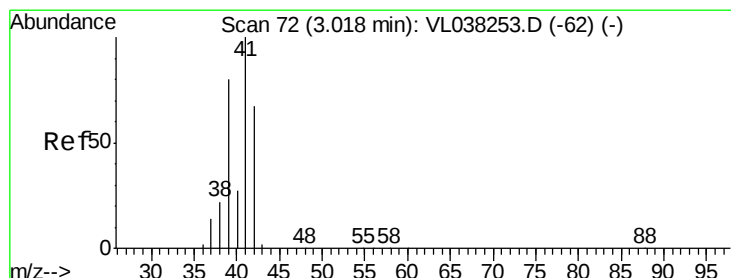
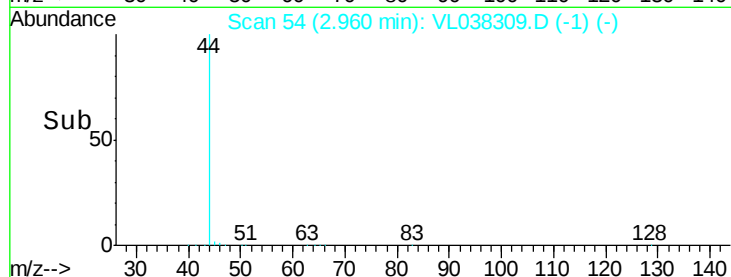
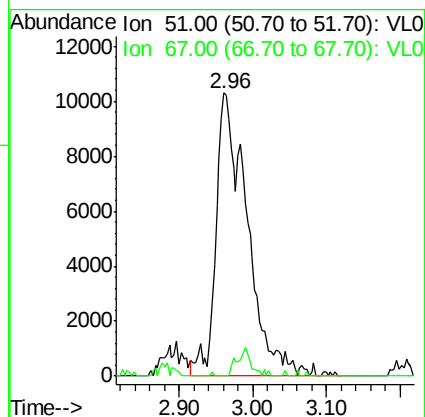
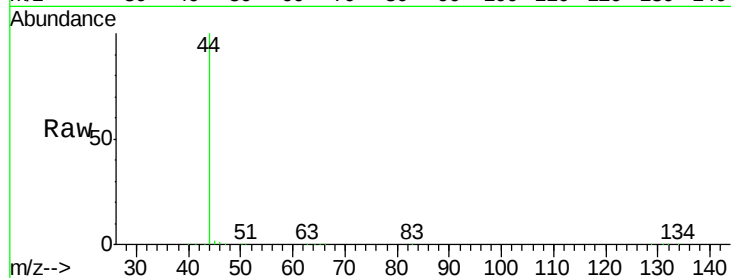
Acq: 27 Jan 2022 23:11

Tgt Ion: 51 Resp: 30289

Ion Ratio Lower Upper

51 100

67 4.6 14.4 21.6#



#9

Propene

Concen: 0.183 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL038309.D

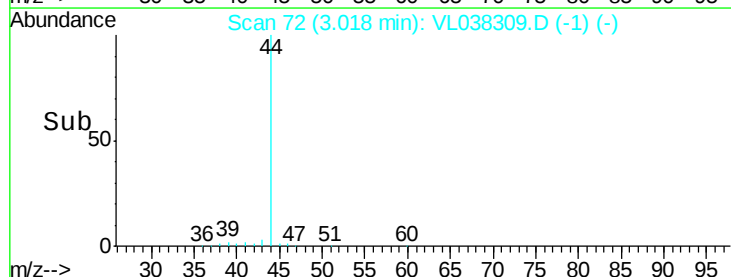
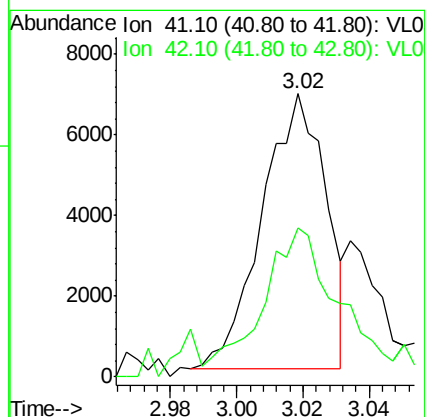
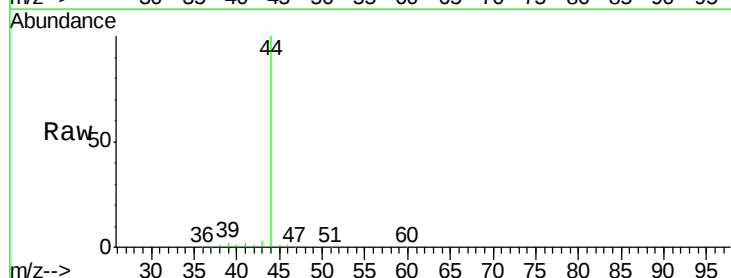
Acq: 27 Jan 2022 23:11

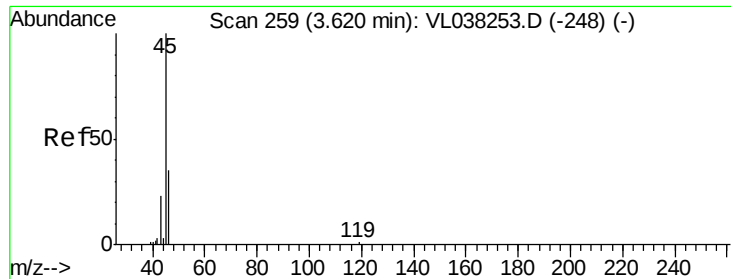
Tgt Ion: 41 Resp: 9216

Ion Ratio Lower Upper

41 100

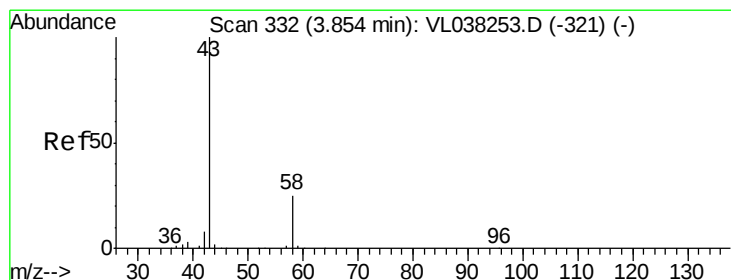
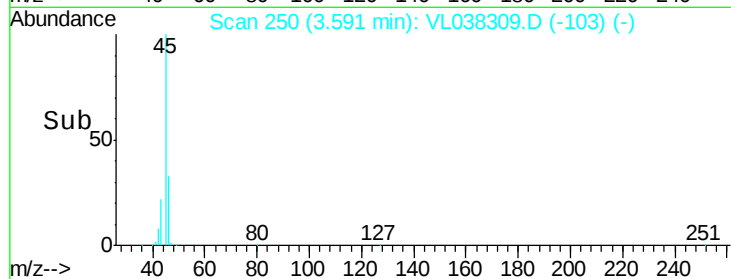
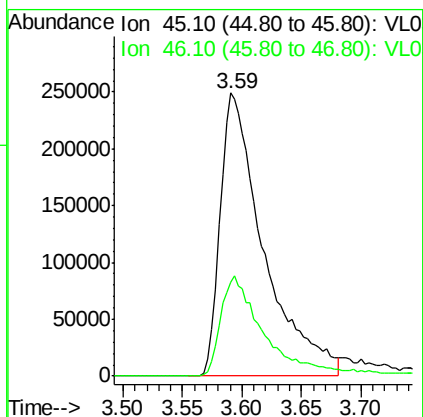
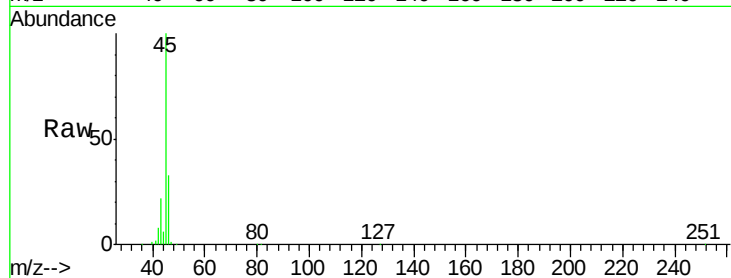
42 80.9 54.9 82.3





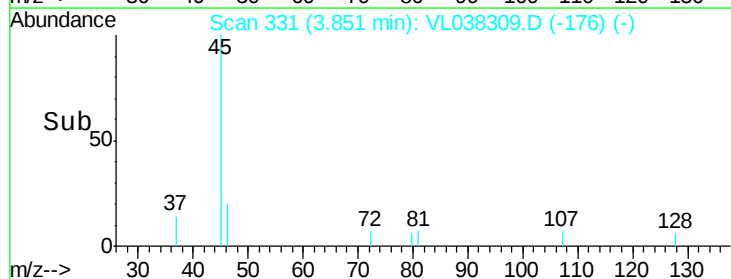
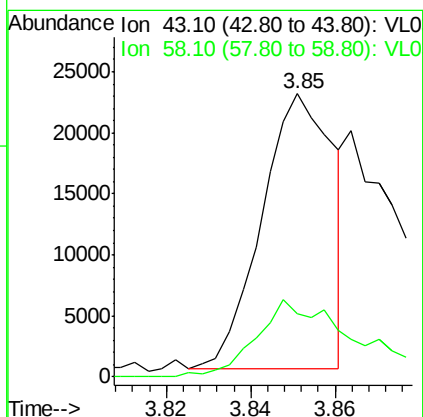
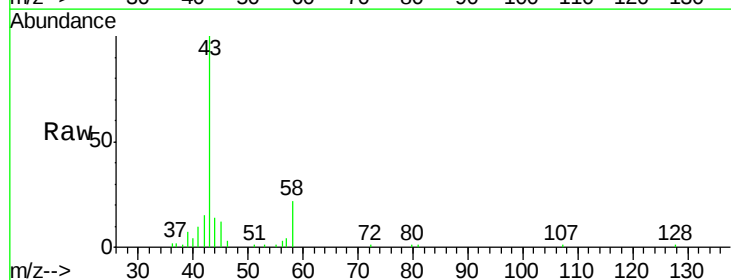
#13
Ethanol
Concen: 116.606 ppbv
RT: 3.59
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Jan 2022 23:11

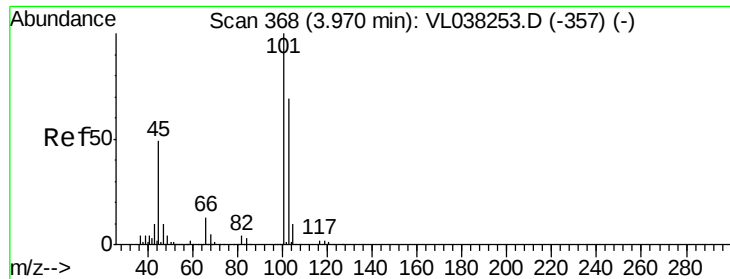
Tgt Ion: 45 Resp: 630233
Ion Ratio Lower Upper
45 100
46 37.9 15.4 61.6



#15
Acetone
Concen: 0.387 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL038309.D
Acq: 27 Jan 2022 23:11

Tgt Ion: 43 Resp: 26470
Ion Ratio Lower Upper
43 100
58 44.6 21.5 32.3#





#19

Isopropyl Alcohol

Concen: 0.578 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

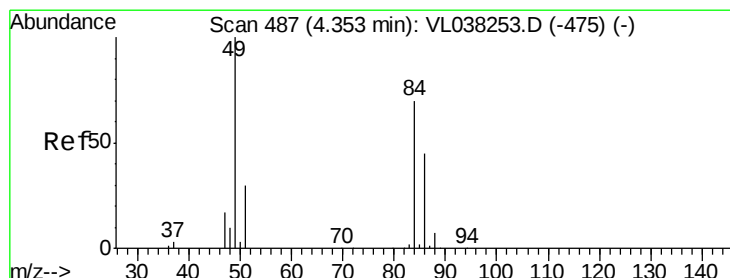
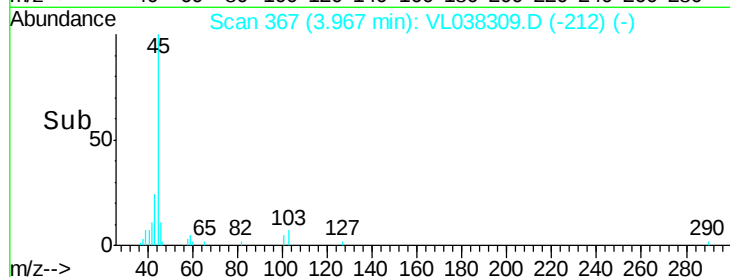
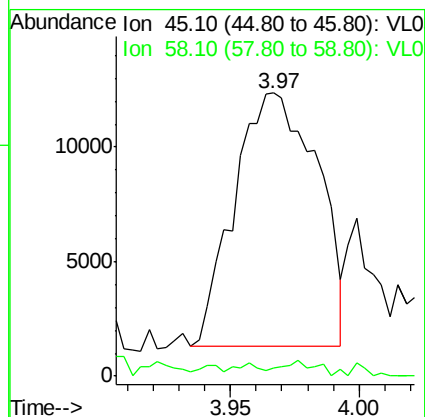
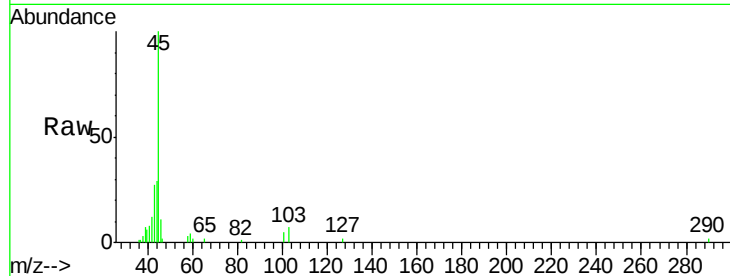
Acq: 27 Jan 2022 23:11

Tgt Ion: 45 Resp: 24777

Ion Ratio Lower Upper

45 100

58 7.3 2.3 3.5#



#20

Methylene Chloride

Concen: 0.179 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL038309.D

Acq: 27 Jan 2022 23:11

Tgt Ion: 84 Resp: 7126

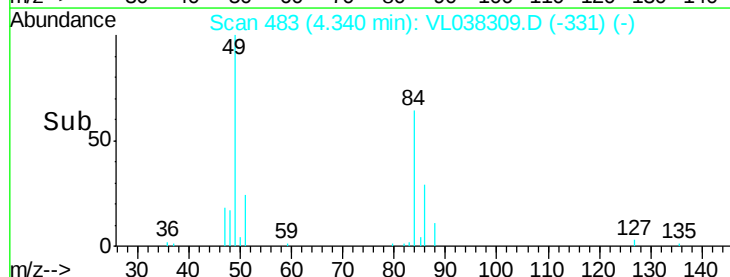
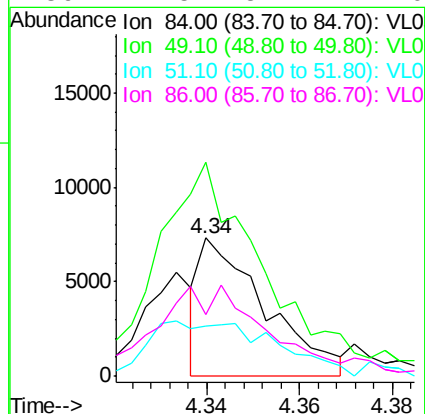
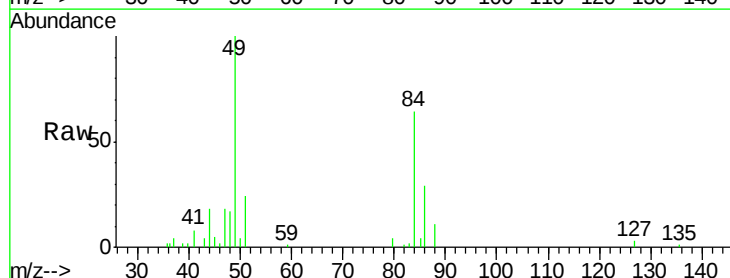
Ion Ratio Lower Upper

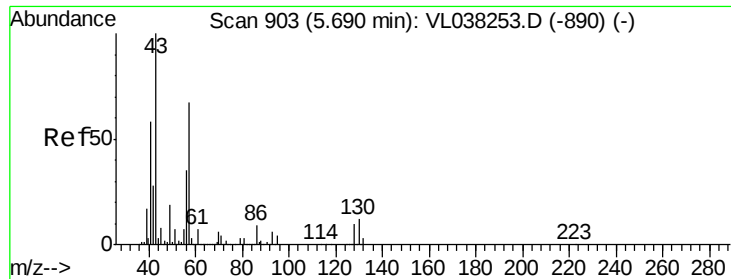
84 100

49 145.3 115.0 172.6

51 34.0 35.0 52.6#

86 41.5 51.4 77.0#





#26

Hexane

Concen: 0.101 ppbv

RT: 5.68 Instrument:

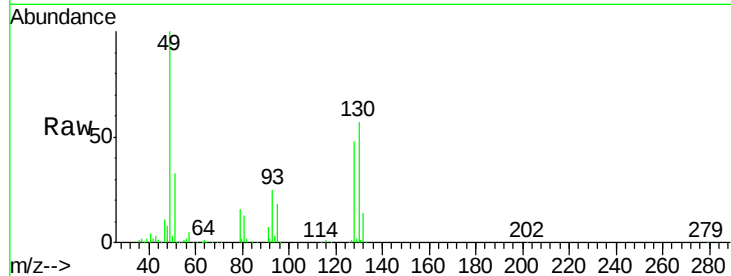
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jan 2022 23:11

Tgt Ion: 57 Resp: 8984

Ion	Ratio	Lower	Upper
57	100		
41	102.2	72.8	109.2
43	103.6	177.0	265.6#
56	53.8	43.3	64.9

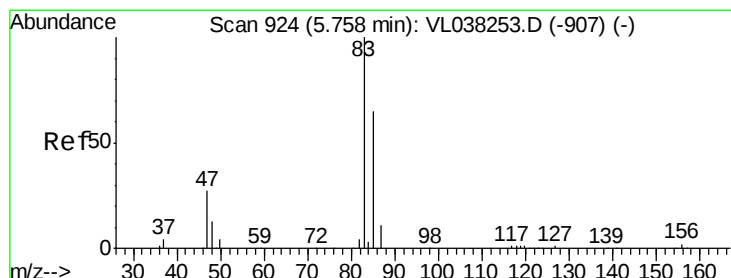
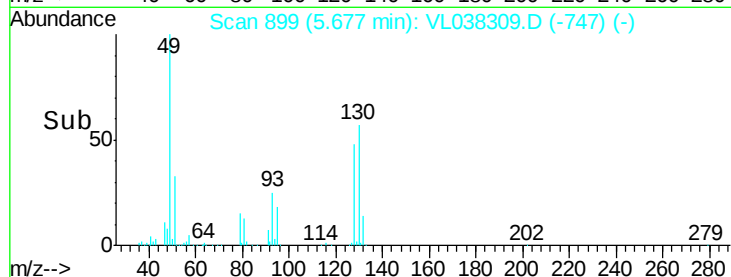
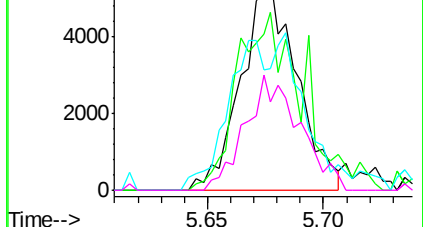


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#29

Chloroform

Concen: 0.038 ppbv

RT: 5.73 min Scan# 916

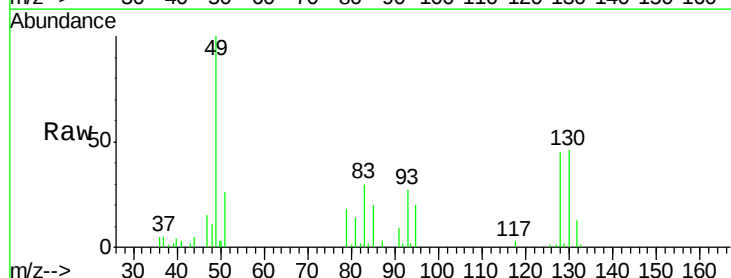
Delta R.T. -0.03 min

Lab File: VL038309.D

Acq: 27 Jan 2022 23:11

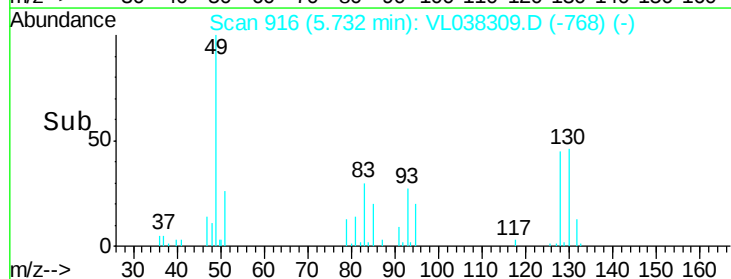
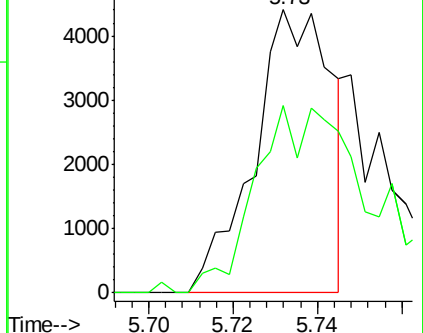
Tgt Ion: 83 Resp: 5594

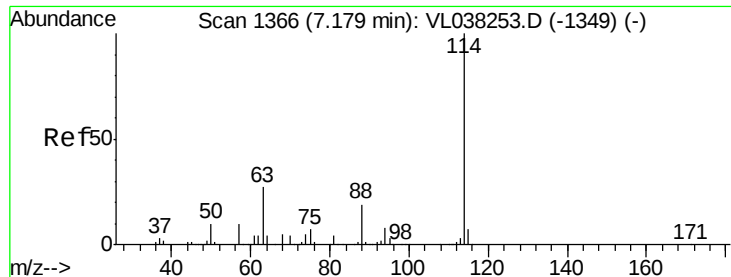
Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.9	77.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

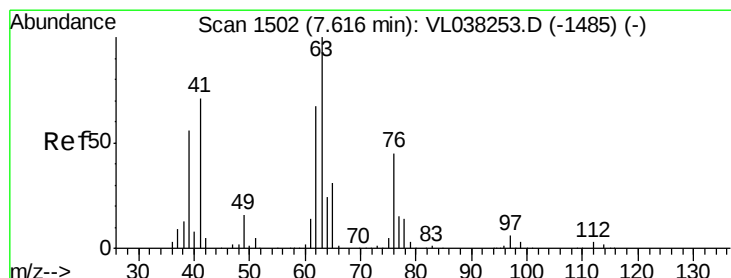
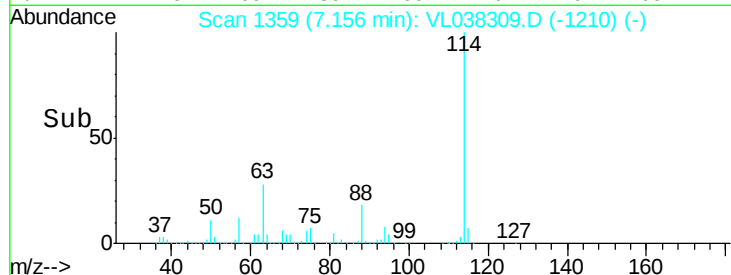
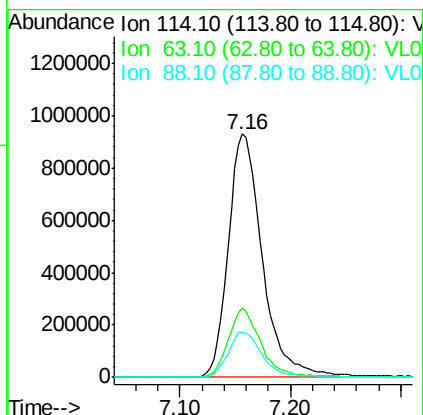
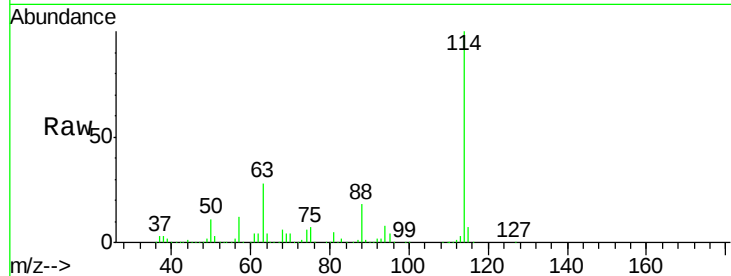
Ion 85.00 (84.70 to 85.70): VL0





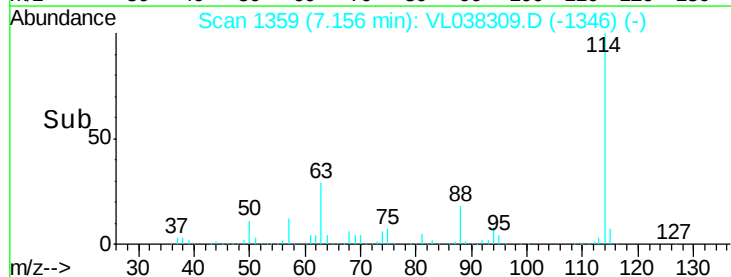
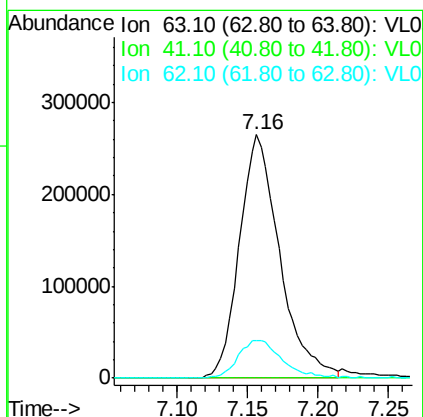
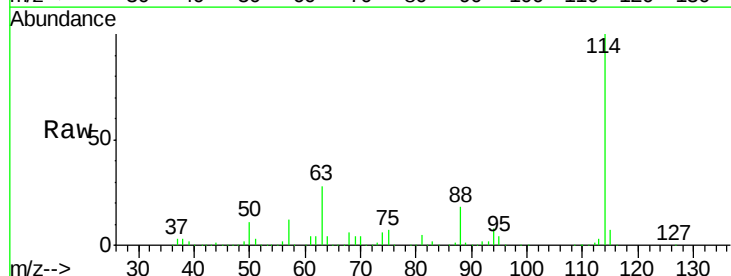
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Jan 2022 23:11

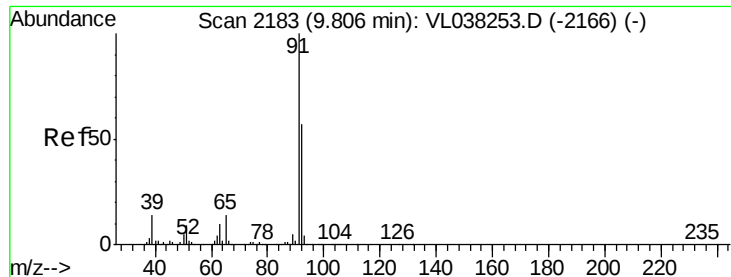
Tgt Ion: 114 Resp: 1984865
 Ion Ratio Lower Upper
 114 100
 63 27.6 22.0 33.0
 88 18.9 15.0 22.6



#39
 1,2-Dichloropropane
 Concen: 7.444 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.46 min
 Lab File: VL038309.D
 Acq: 27 Jan 2022 23:11

Tgt Ion: 63 Resp: 529864
 Ion Ratio Lower Upper
 63 100
 41 0.1 56.6 85.0#
 62 15.5 53.9 80.9#





#53

Toluene

Concen: 0.033 ppbv

RT: 9.78 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-20DL

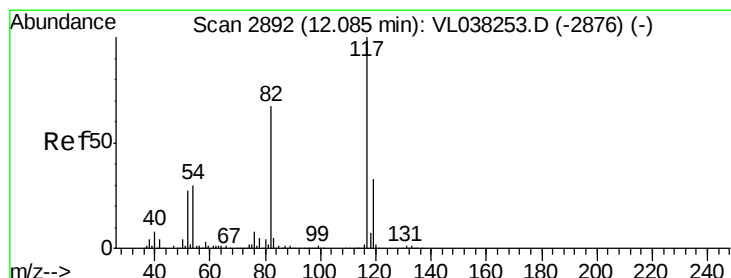
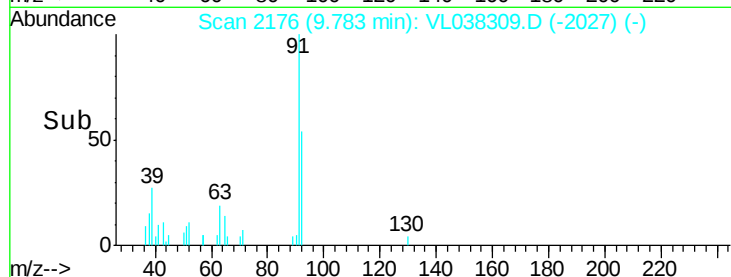
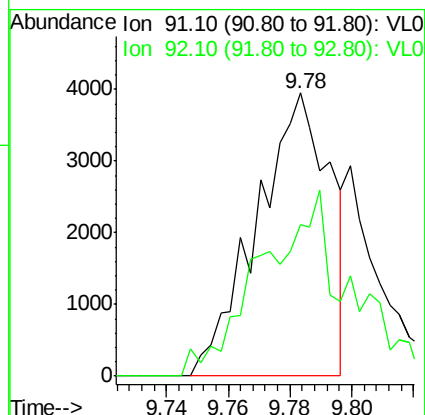
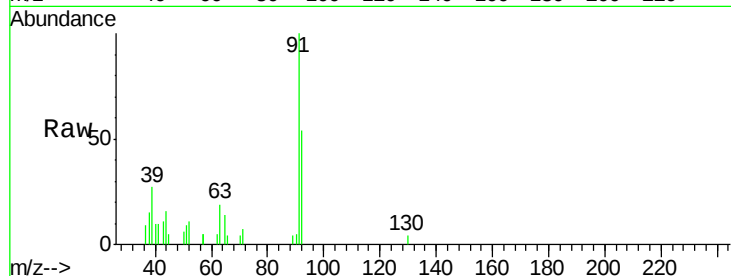
Acq: 27 Jan 2022 23:11

Tgt Ion: 91 Resp: 6483

Ion Ratio Lower Upper

91 100

92 81.6 47.4 71.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.03 min

Lab File: VL038309.D

Acq: 27 Jan 2022 23:11

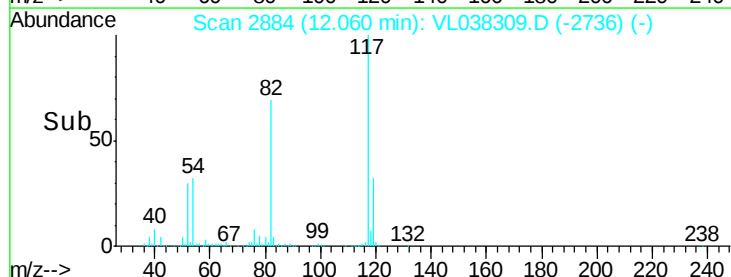
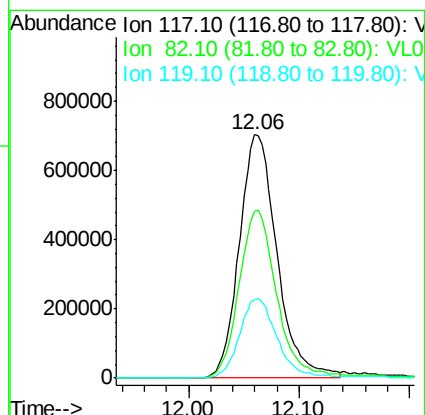
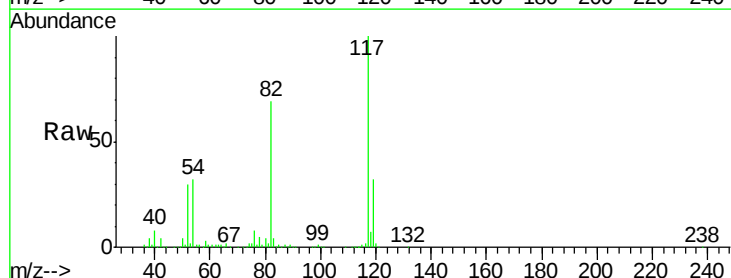
Tgt Ion: 117 Resp: 1668443

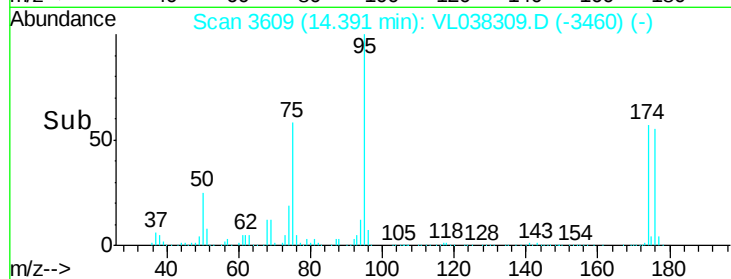
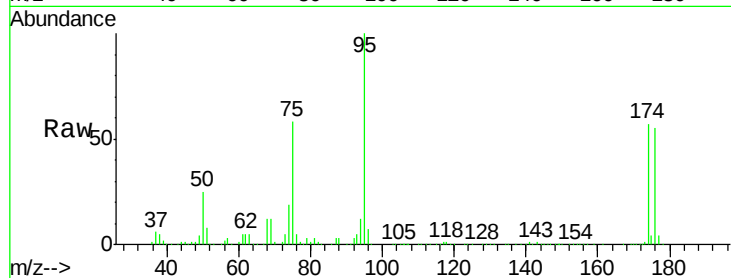
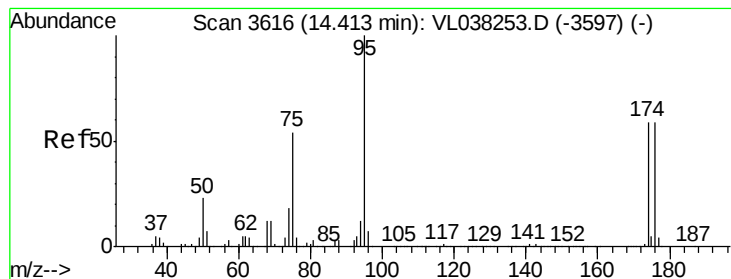
Ion Ratio Lower Upper

117 100

82 71.2 54.4 81.6

119 33.5 45.9 68.9#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.816 ppbv

RT: 14.39 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jan 2022 23:11

Tgt Ion: 95 Resp: 1242992

Ion Ratio Lower Upper

95 100

174 60.0 48.3 72.5

175 4.4 3.5 5.3

