

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
 Data File : VL038838.D
 Acq On : 7 Apr 2022 12:57
 Operator : SY/AP
 Sample : OC040622 CAN 10271
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC040622 CAN 10271

Quant Time: Apr 08 05:22:56 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1238906	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3312687	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	2930465	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2288417	10.29	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

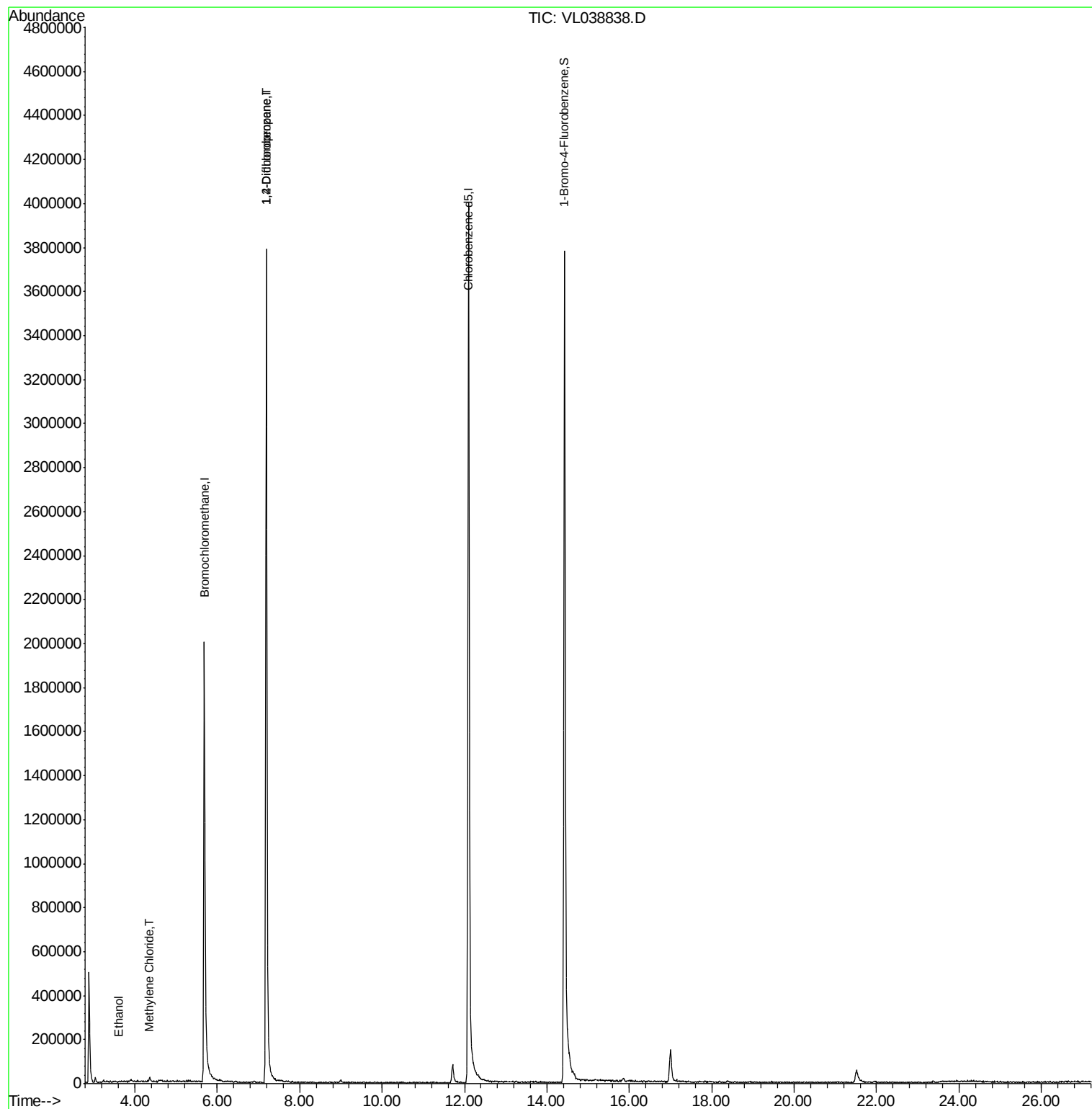
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	206	0.042	ppbv #	100
20) Methylene Chloride	4.35	84	2454	0.055	ppbv #	80
39) 1,2-Dichloropropane	7.19	63	842977	7.313	ppbv #	28

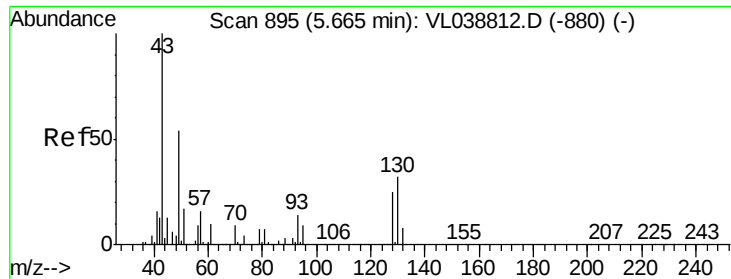
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: QC040622 CAN 10271

Acq: 7 Apr 2022 12:57

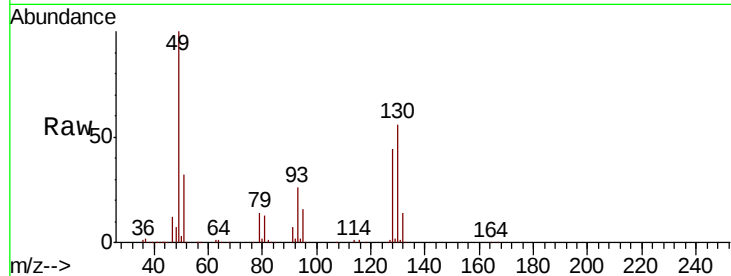
Tot Ion: 49 Resp: 1238906

Ion Ratio Lower Upper

49 100

128 48.1 24.1 72.3

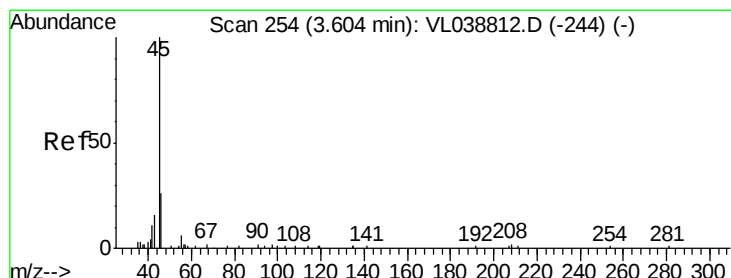
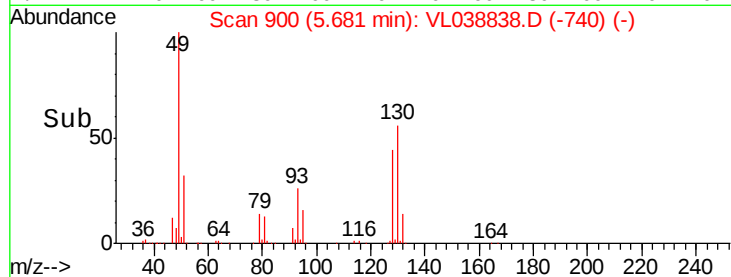
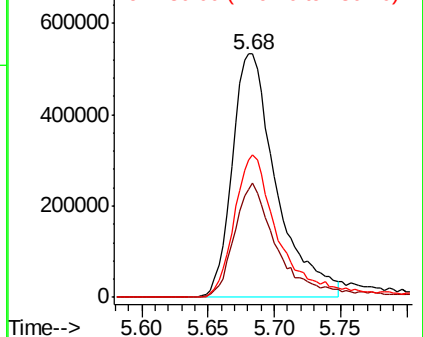
130 62.5 30.9 92.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 0.042 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL038838.D

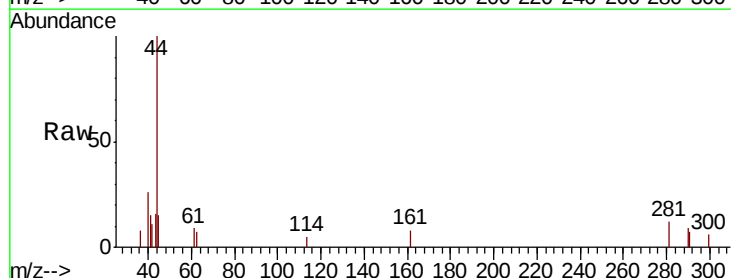
Acq: 7 Apr 2022 12:57

Tgt Ion: 45 Resp: 206

Ion Ratio Lower Upper

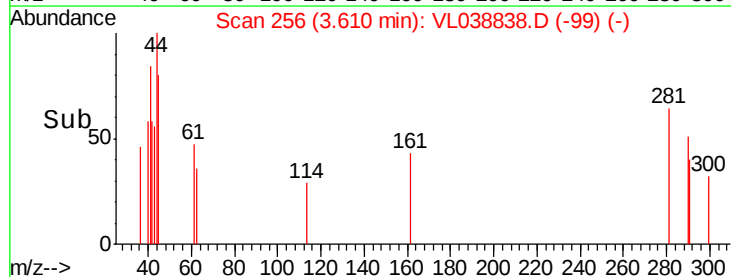
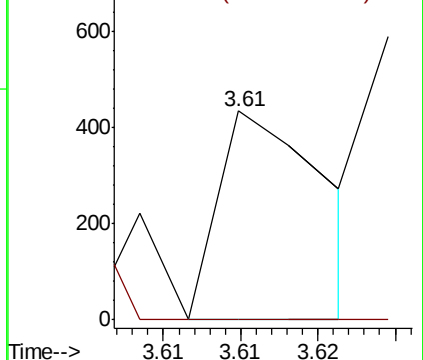
45 100

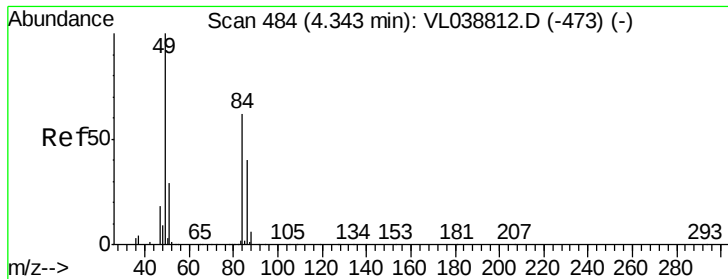
46 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

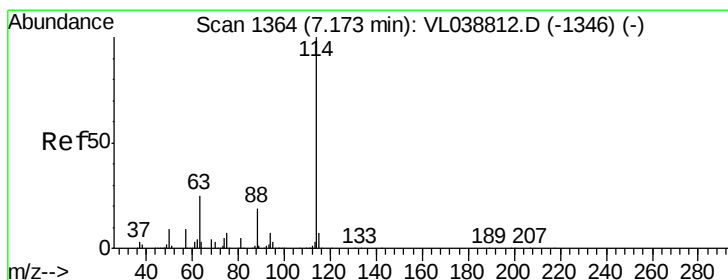
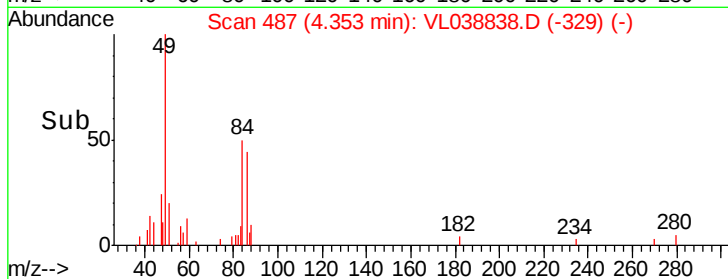
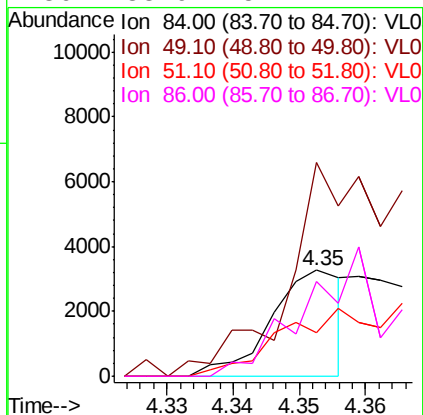
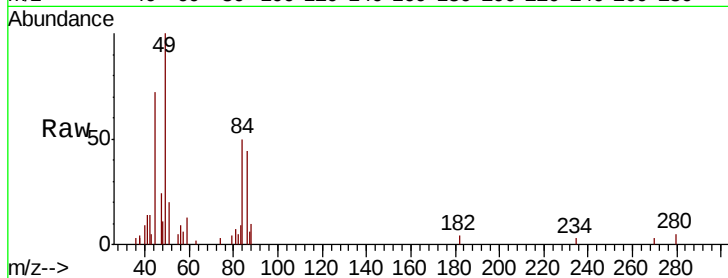
Ion 46.10 (45.80 to 46.80): VL0





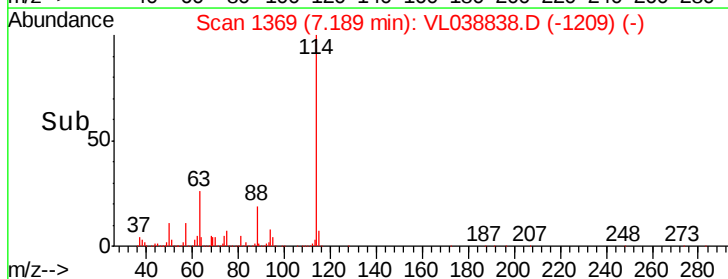
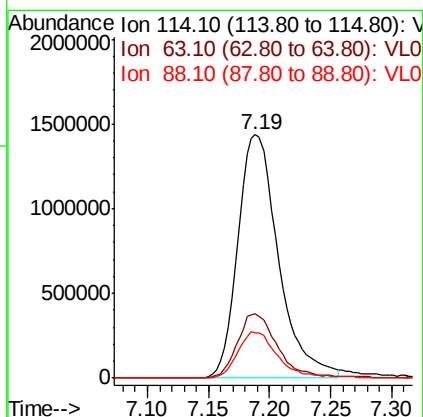
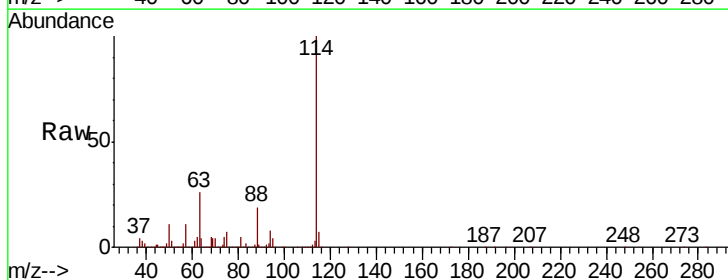
#20
Methylene Chloride
Concen: 0.055 ppbv
RT: 4.35
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Apr 2022 12:57

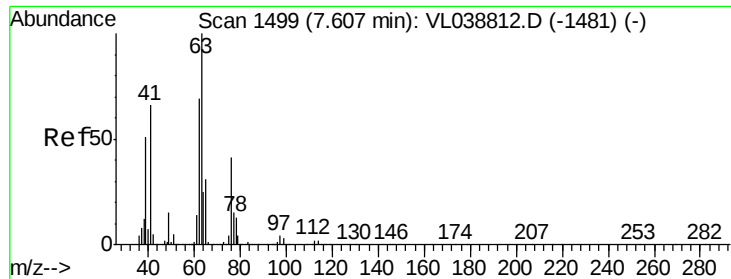
Tot Ion:	84	Resp:	2454
Ion	Ratio	Lower	Upper
84	100		
49	187.2	129.4	194.0
51	40.7	37.4	56.2
86	88.9	51.4	77.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.02 min
Lab File: VL038838.D
Acq: 7 Apr 2022 12:57

Tgt Ion:	114	Resp:	3312687
Ion	Ratio	Lower	Upper
114	100		
63	26.7	19.8	29.8
88	19.2	14.2	21.4





#39

1,2-Dichloropropane

Concen: 7.313 ppbv

RT: 7.19 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Apr 2022 12:57 QC040622 CAN 10271

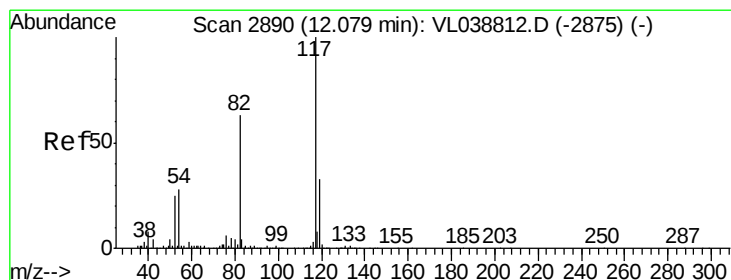
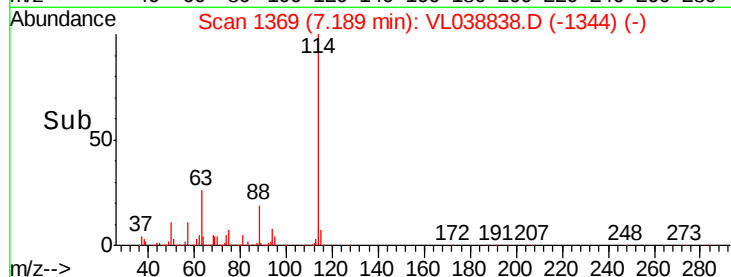
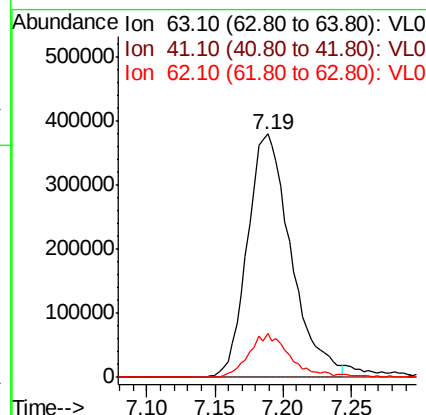
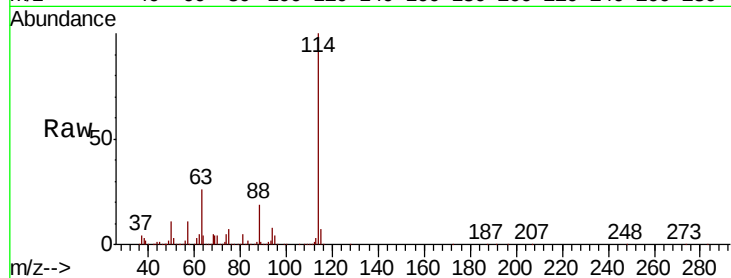
Tot Ion: 63 Resp: 842977

Ion Ratio Lower Upper

63 100

41 0.0 53.0 79.6#

62 18.3 55.0 82.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. 0.02 min

Lab File: VL038838.D

Acq: 7 Apr 2022 12:57

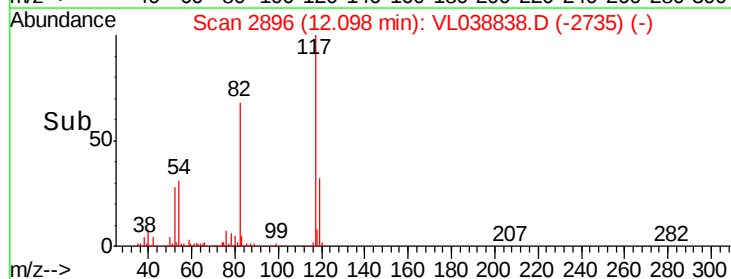
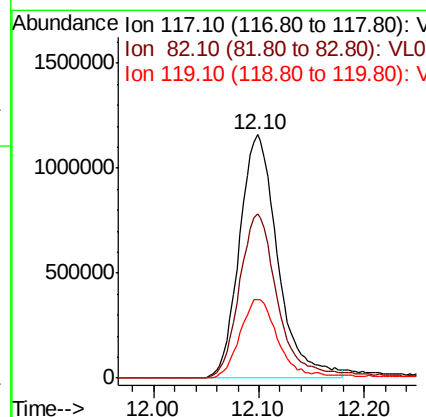
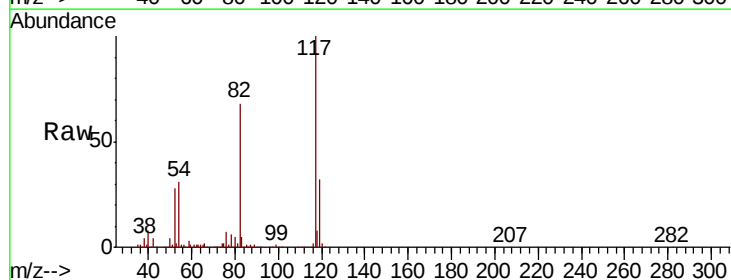
Tgt Ion: 117 Resp: 2930465

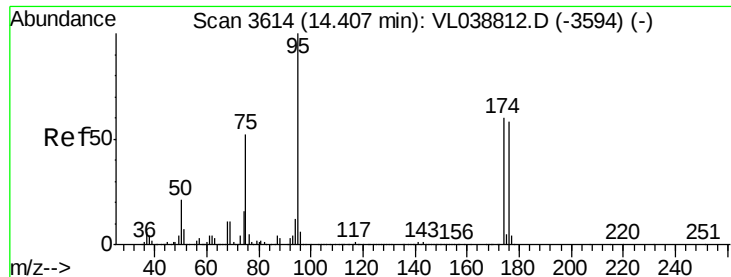
Ion Ratio Lower Upper

117 100

82 70.1 53.0 79.6

119 33.6 24.9 37.3





#68

1-Bromo-4-Fluorobenzene

Concen: 10.295 ppbv

RT: 14.43

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Apr 2022 12:57

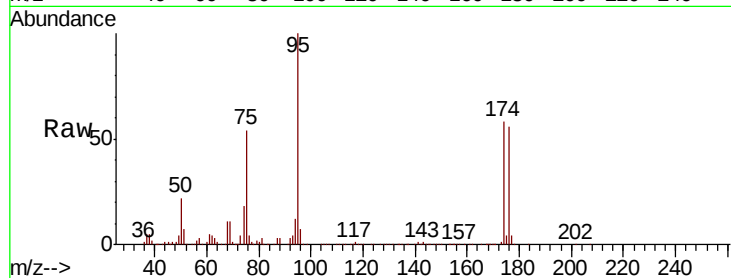
Tot Ion: 95 Resp: 2288417

Ion Ratio Lower Upper

95 100

174 62.8 52.0 78.0

175 4.6 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

