

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
 Data File : VL038837.D
 Acq On : 7 Apr 2022 12:20
 Operator : SY/AP
 Sample : QC040622 CAN 10271
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC040622 CAN 10271

Quant Time: Apr 08 05:22:49 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	1267036	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3379870	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	2906518	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2250001	10.21	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

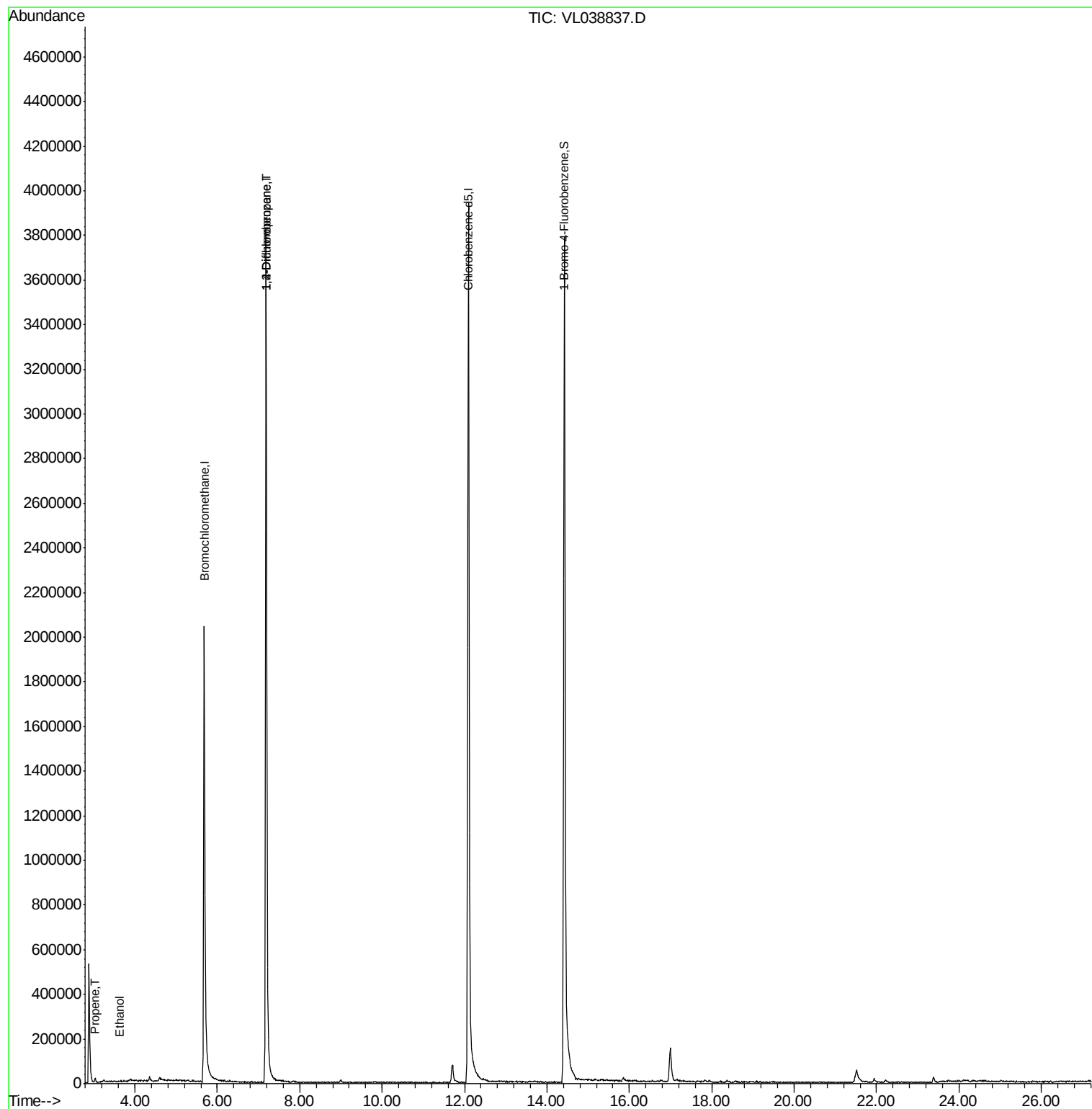
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	3887	0.048	ppbv #	69
13) Ethanol	3.61	45	261	0.052	ppbv #	100
39) 1,2-Dichloropropane	7.18	63	850810	7.234	ppbv #	26

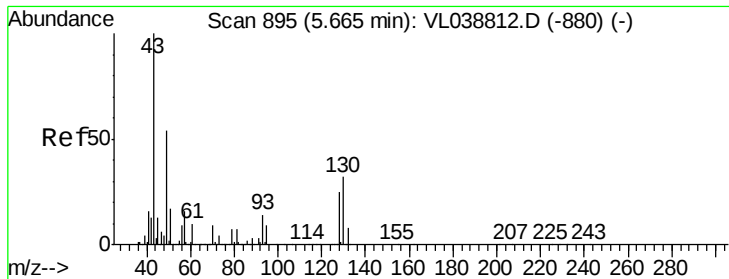
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 7 Apr 2022 12:20

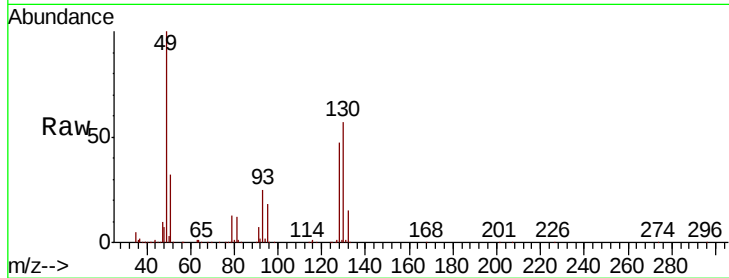
Tot Ion: 49 Resp: 1267036

Ion Ratio Lower Upper

49 100

128 47.4 24.1 72.3

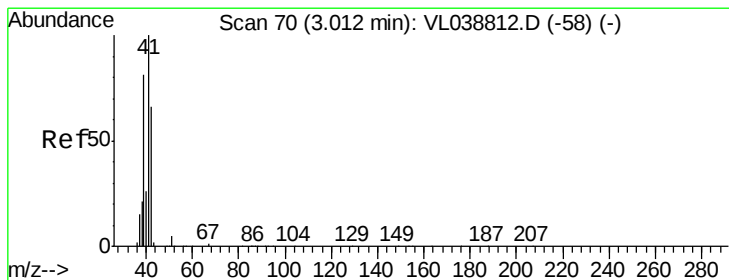
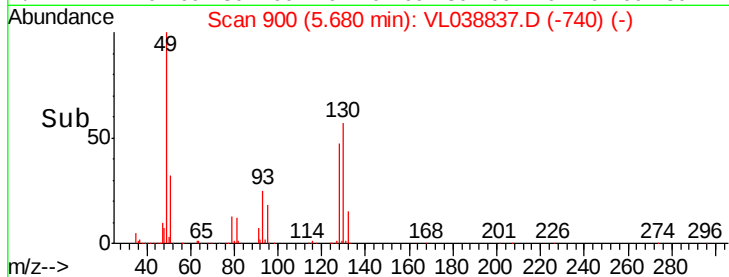
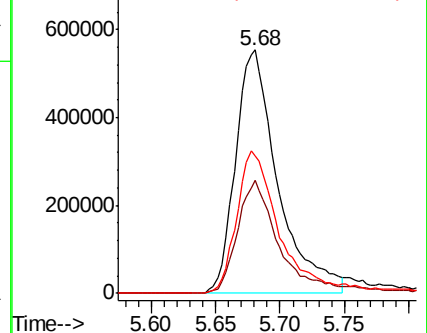
130 61.1 30.9 92.8



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



#9

Propene

Concen: 0.048 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL038837.D

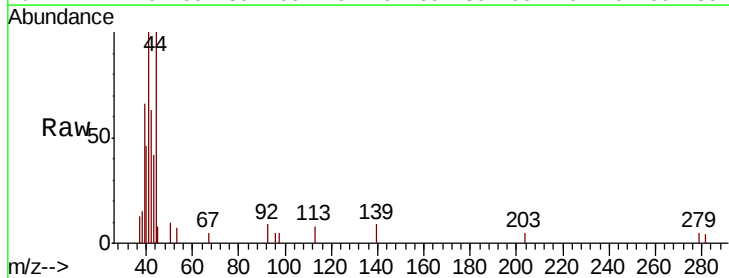
Acq: 7 Apr 2022 12:20

Tgt Ion: 41 Resp: 3887

Ion Ratio Lower Upper

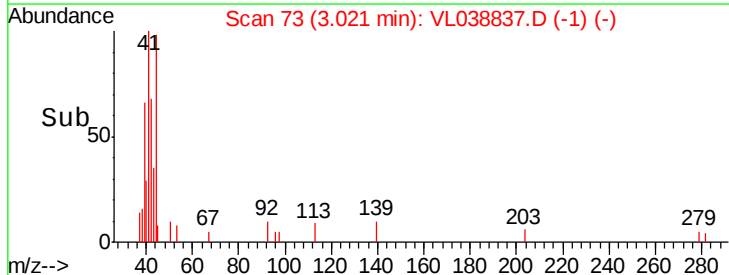
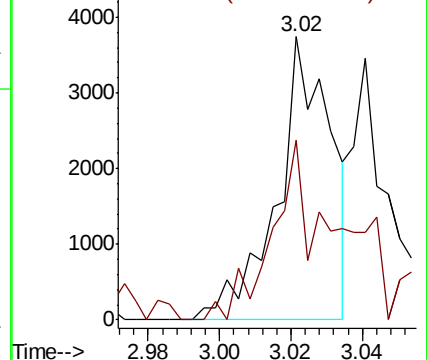
41 100

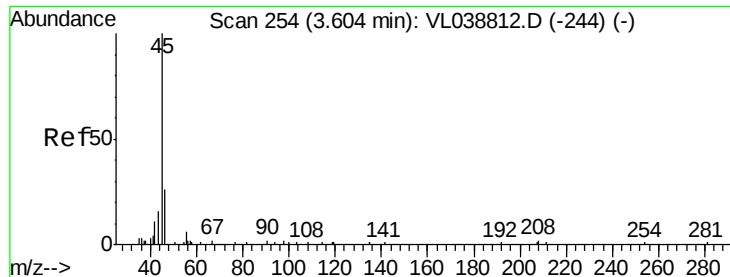
42 92.6 54.2 81.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

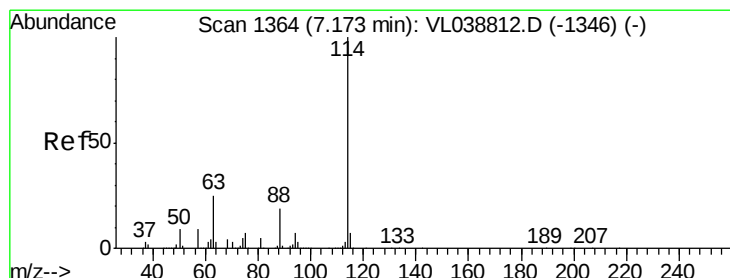
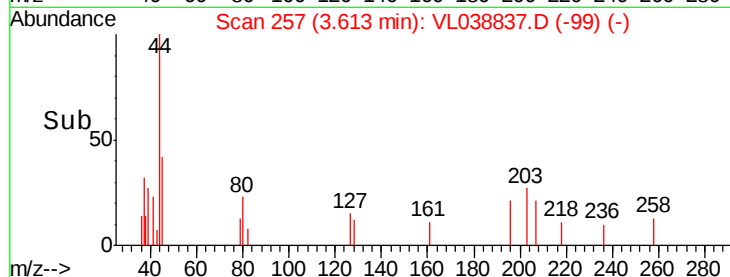
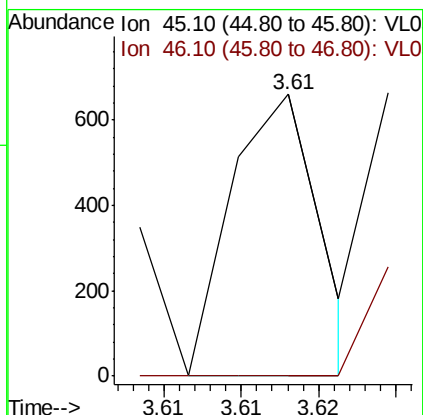
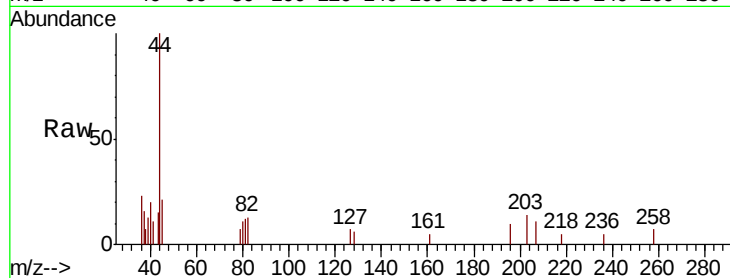
Ion 42.10 (41.80 to 42.80): VL0





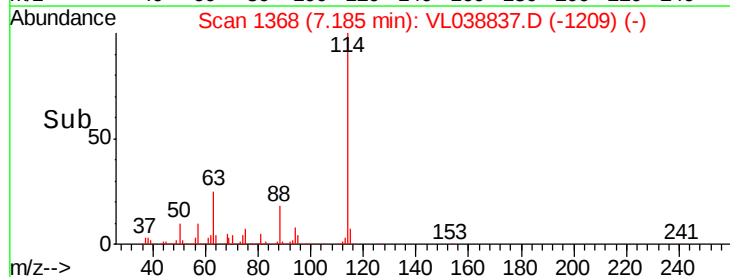
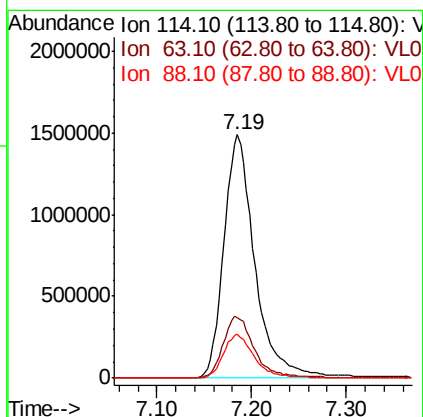
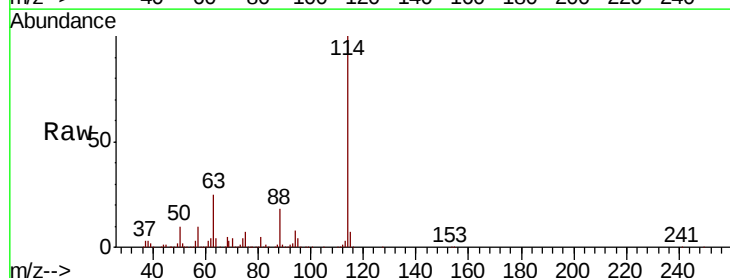
#13
 Ethanol
 Concen: 0.052 ppbv
 RT: 3.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Apr 2022 12:20

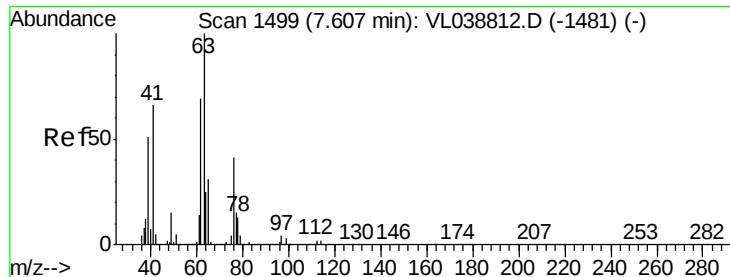
Tot Ion: 45 Resp: 261
 Ion Ratio Lower Upper
 45 100
 46 0.0 0.0 0.0



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VL038837.D
 Acq: 7 Apr 2022 12:20

Tgt Ion: 114 Resp: 3379870
 Ion Ratio Lower Upper
 114 100
 63 25.8 19.8 29.8
 88 18.3 14.2 21.4





#39

1,2-Dichloropropane

Concen: 7.234 ppbv

RT: 7.18 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 7 Apr 2022 12:20

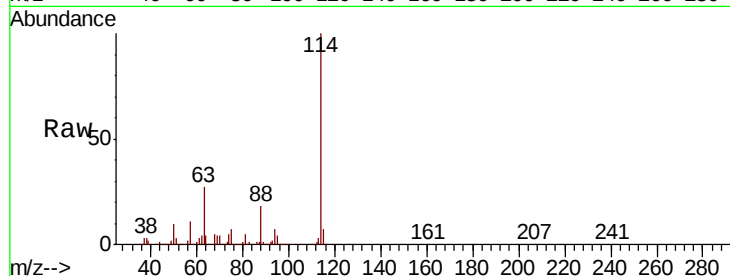
Tot Ion: 63 Resp: 850810

Ion Ratio Lower Upper

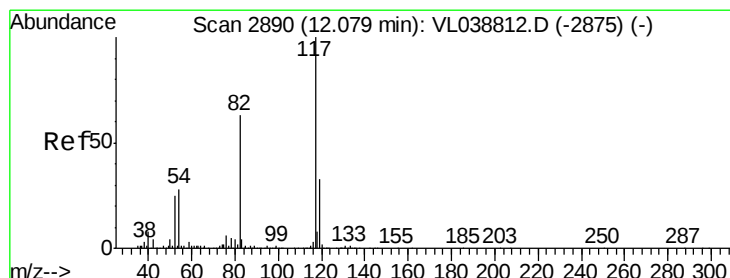
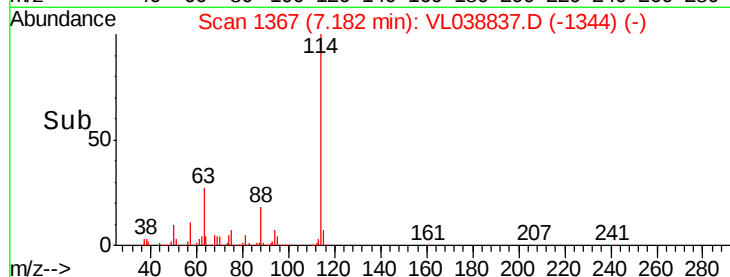
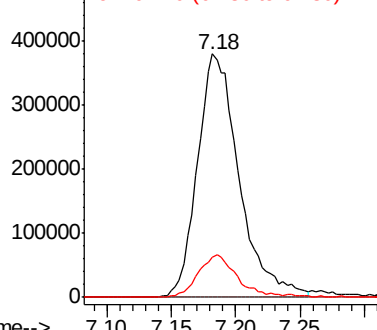
63 100

41 0.0 53.0 79.6#

62 16.4 55.0 82.4#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. 0.01 min

Lab File: VL038837.D

Acq: 7 Apr 2022 12:20

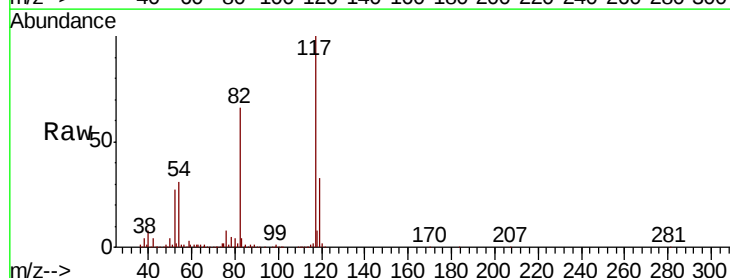
Tgt Ion: 117 Resp: 2906518

Ion Ratio Lower Upper

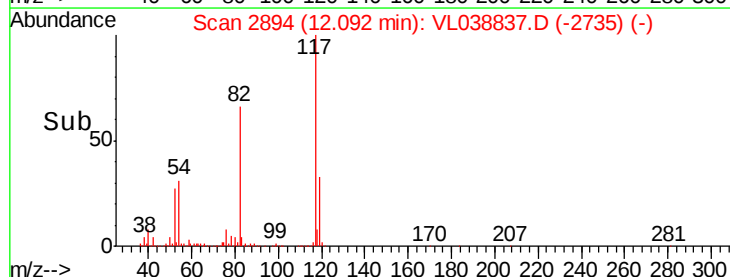
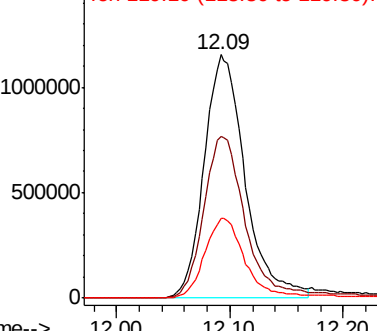
117 100

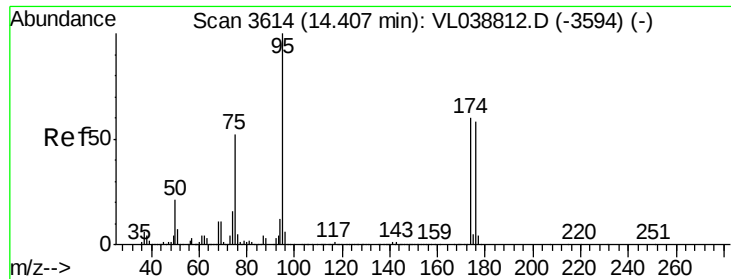
82 70.3 53.0 79.6

119 34.0 24.9 37.3



Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.206 ppbv

RT: 14.42 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Apr 2022 12:20 QC040622 CAN 10271

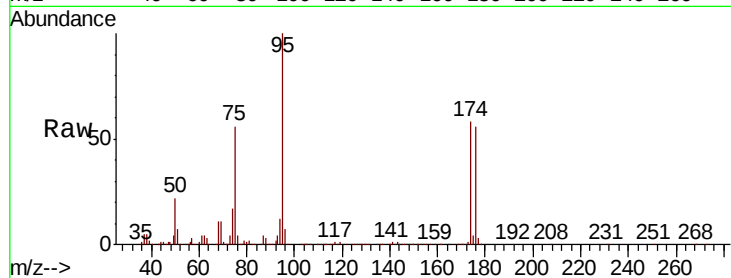
Tot Ion: 95 Resp: 2250001

Ion Ratio Lower Upper

95 100

174 62.9 52.0 78.0

175 4.5 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

