

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071222\
 Data File : VL039460.D
 Acq On : 12 Jul 2022 23:07
 Operator : SY/AP
 Sample : QC062 CAN 10154
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC062 CAN 10154

Quant Time: Jul 13 01:40:25 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1384192	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3940603	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	3471780	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2565287	9.96	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

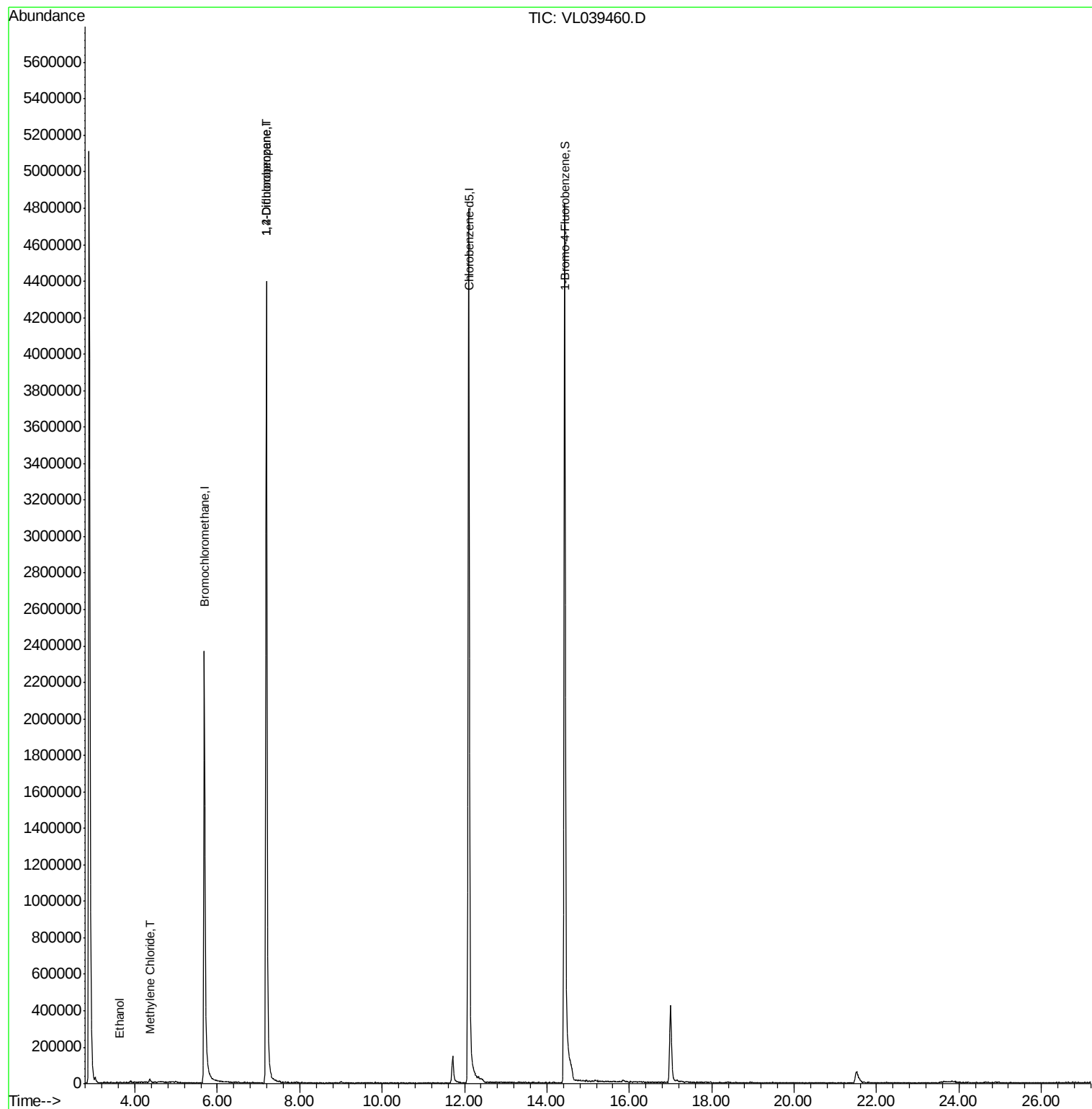
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.62	45	309	0.07	ppbv #	23
20) Methylene Chloride	4.36	84	6263	0.10	ppbv #	86
39) 1,2-Dichloropropane	7.19	63	959941	8.43	ppbv #	25

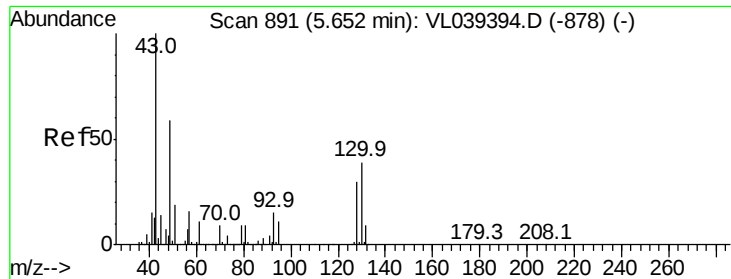
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 12 Jul 2022 23:07 QC062 CAN 10154

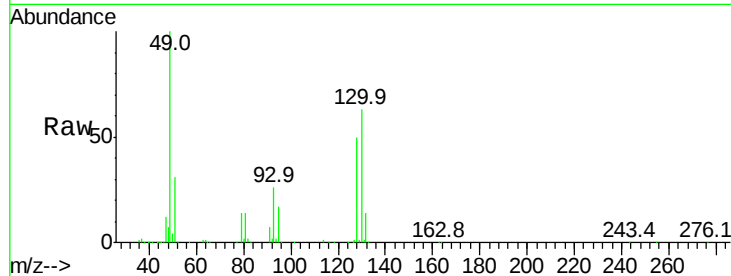
Tgt Ion: 49 Resp: 1384192

Ion Ratio Lower Upper

49 100

128 54.6 26.7 80.0

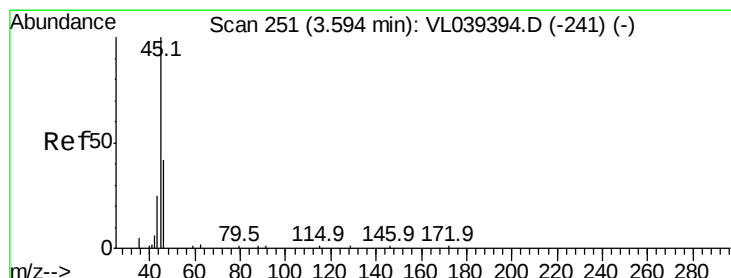
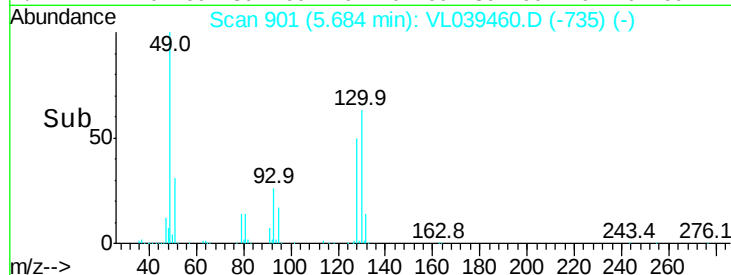
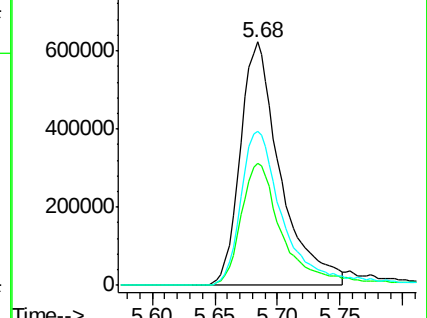
130 70.5 34.3 102.8



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: 0.07 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.03 min

Lab File: VL039460.D

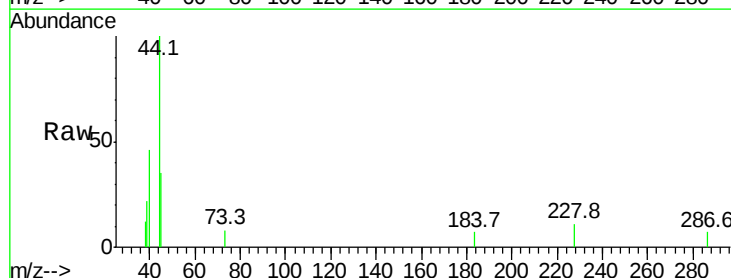
Acq: 12 Jul 2022 23:07

Tgt Ion: 45 Resp: 309

Ion Ratio Lower Upper

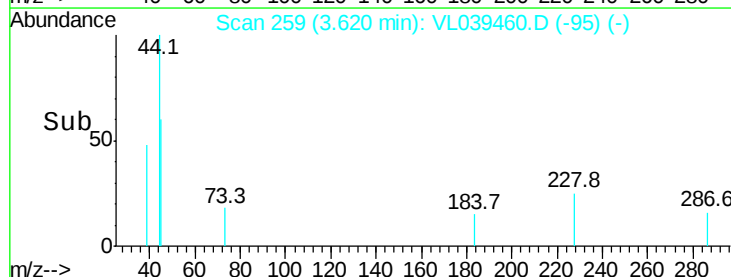
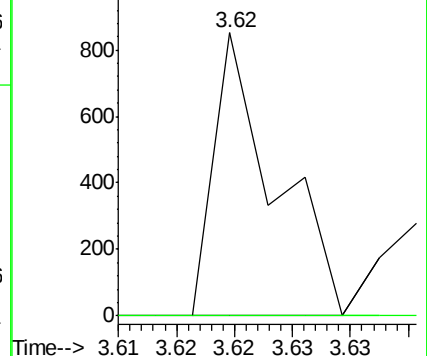
45 100

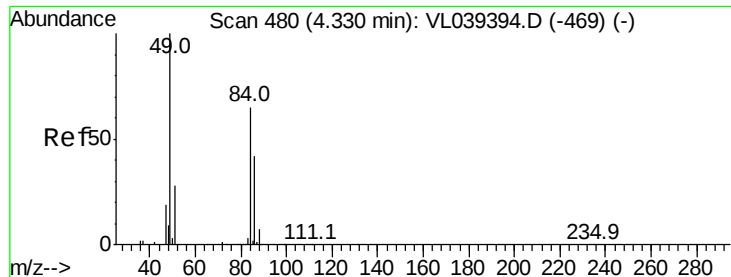
46 0.0 22.8 91.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

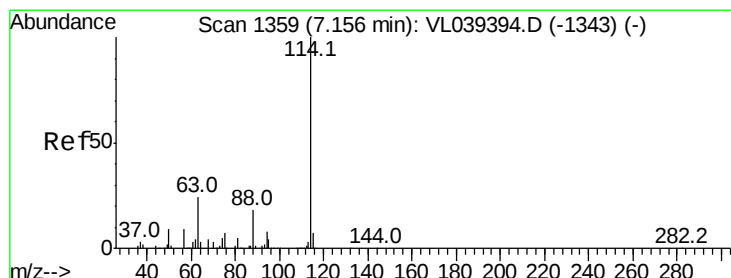
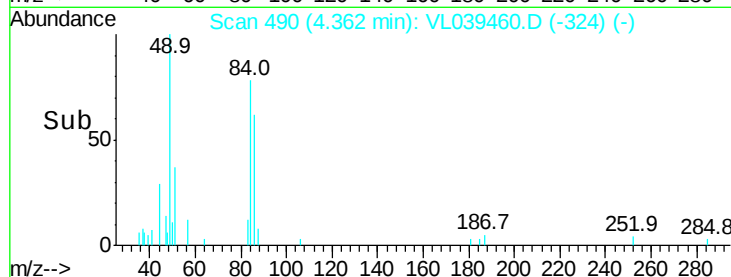
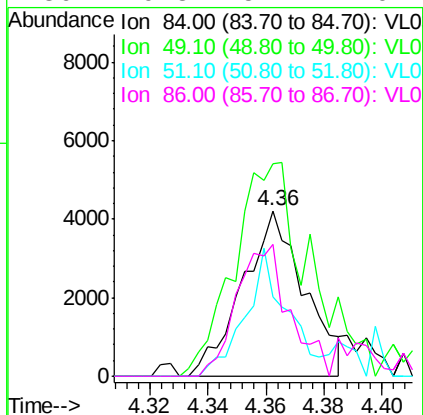
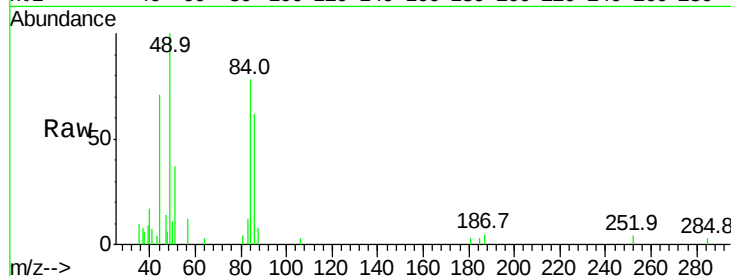
Ion 46.10 (45.80 to 46.80): VL0





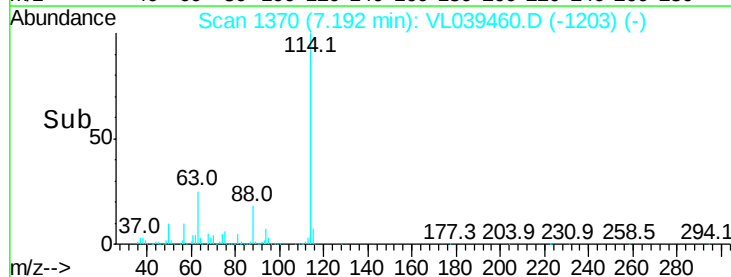
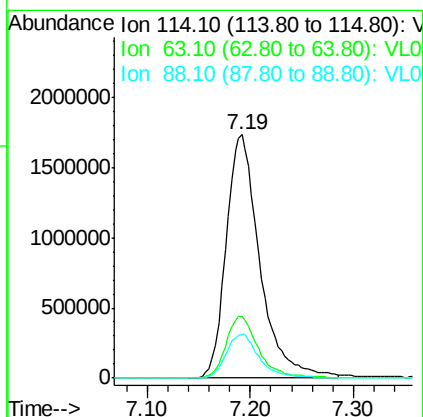
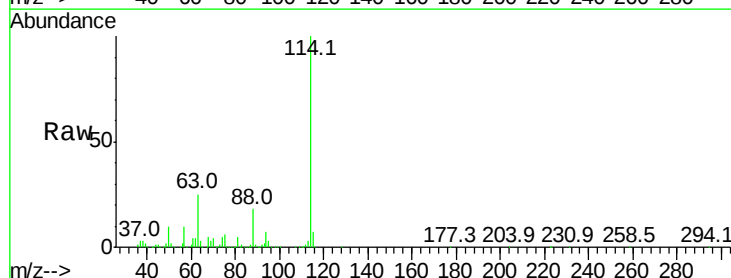
#20
Methylene Chloride
Concen: 0.10 ppbv
RT: 4.36
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
QC062 CAN 10154
Acq: 12 Jul 2022 23:07

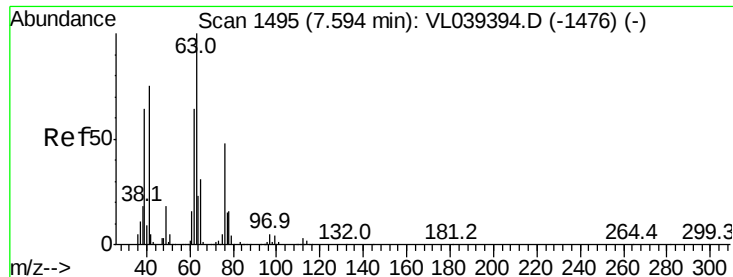
Tgt Ion: 84 Resp: 6263
Ion Ratio Lower Upper
84 100
49 137.4 123.1 184.7
51 47.8 34.4 51.6
86 79.8 51.1 76.7#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.19 min Scan# 1370
Delta R.T.: 0.04 min
Lab File: VL039460.D
Acq: 12 Jul 2022 23:07

Tgt Ion: 114 Resp: 3940603
Ion Ratio Lower Upper
114 100
63 25.0 20.2 30.4
88 18.1 14.5 21.7





#39

1,2-Dichloropropane

Concen: 8.43 ppbv

RT: 7.19 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 12 Jul 2022 23:07 QC062 CAN 10154

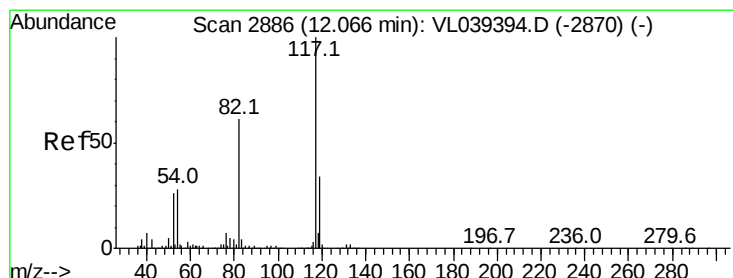
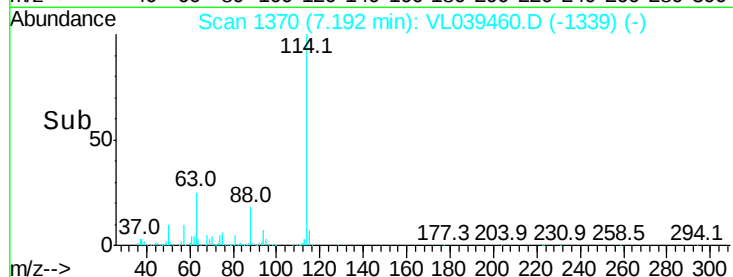
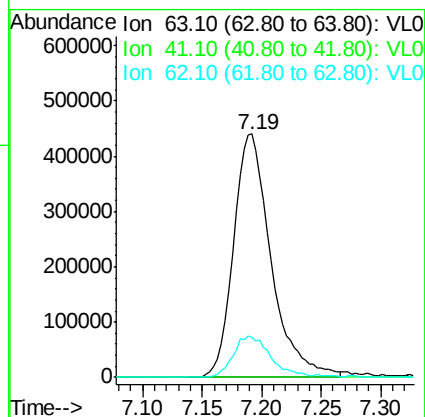
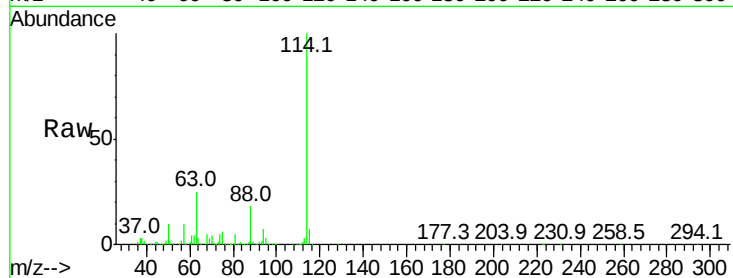
Tgt Ion: 63 Resp: 959941

Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 16.6 51.4 77.0#



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. 0.04 min

Lab File: VL039460.D

Acq: 12 Jul 2022 23:07

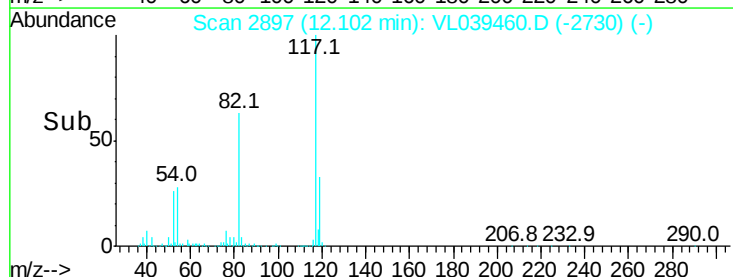
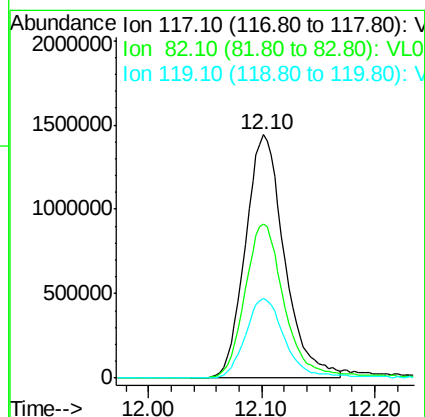
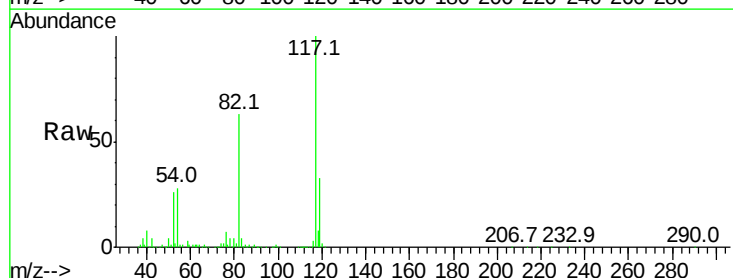
Tgt Ion: 117 Resp: 3471780

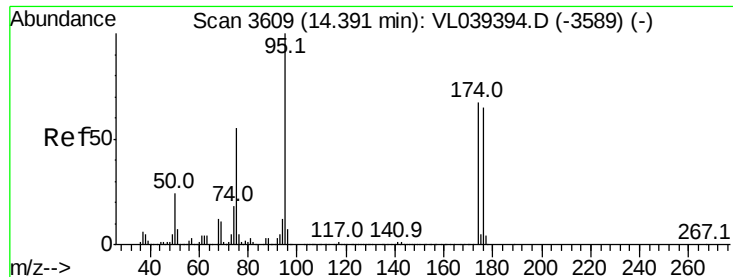
Ion Ratio Lower Upper

117 100

82 65.9 50.8 76.2

119 34.0 24.1 36.1





#68

1-Bromo-4-Fluorobenzene

Concen: 9.96 ppbv

RT: 14.43 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

QC062 CAN 10154

Acq: 12 Jul 2022 23:07

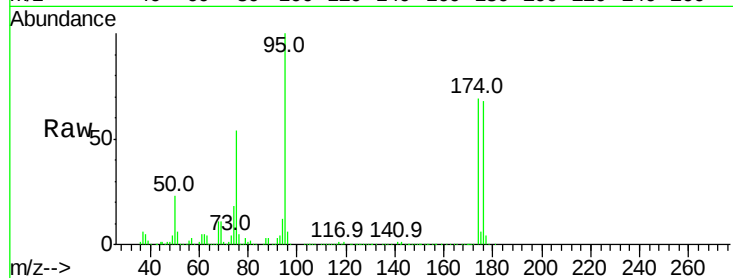
Tgt Ion: 95 Resp: 2565287

Ion Ratio Lower Upper

95 100

174 75.5 55.9 83.9

175 5.7 4.2 6.4



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

