

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091721\
 Data File : VL037651.D
 Acq On : 18 Sep 2021 9:23
 Operator : SY/AP
 Sample : OC091721 CAN 10296
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 20 01:44:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1309503	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3792580	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3205854	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2185240	9.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.30%

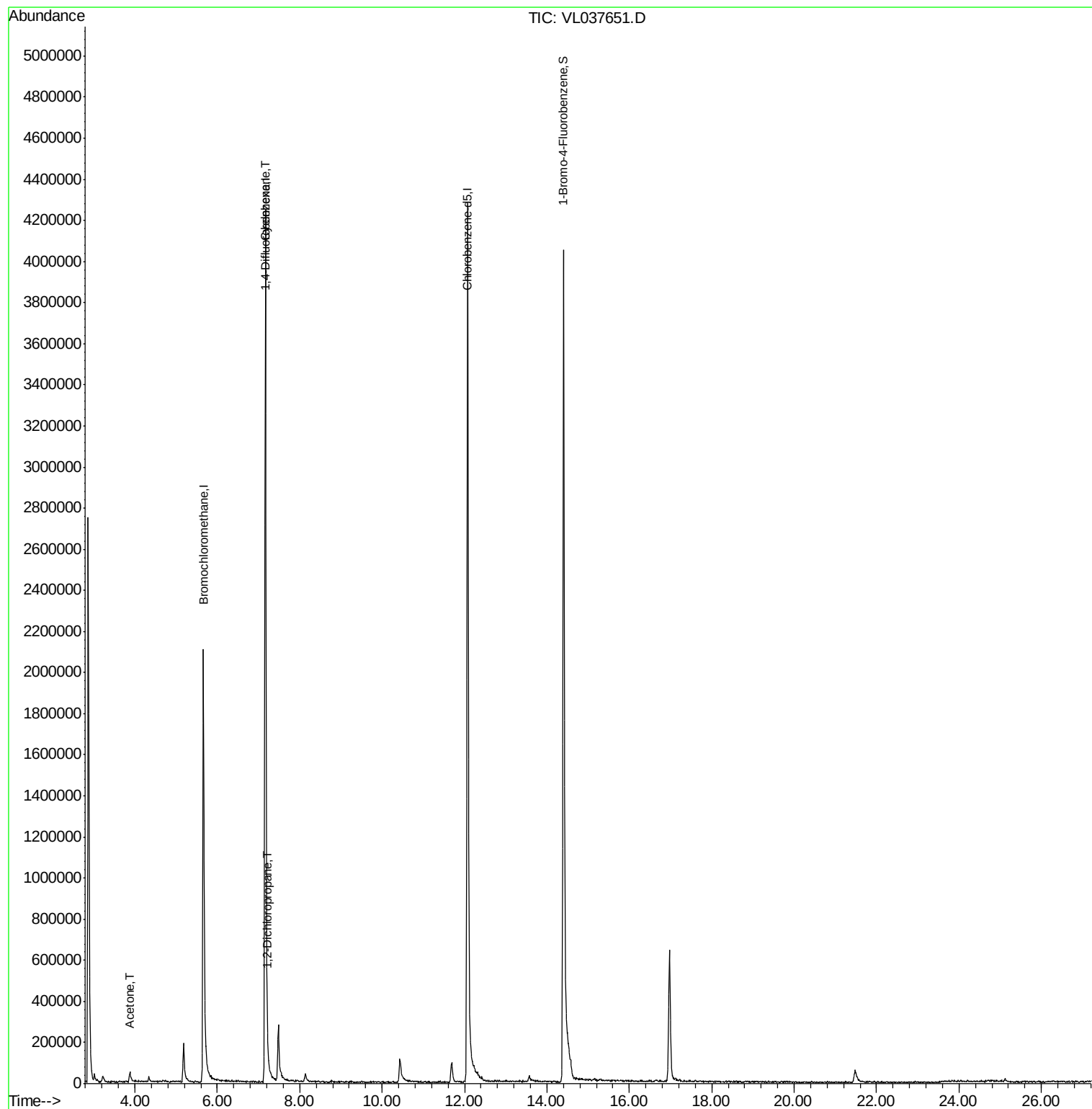
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.87	43	13494	0.099	ppbv #	44
30) Cyclohexane	7.15	84	5347	0.040	ppbv #	1
39) 1,2-Dichloropropane	7.22	63	9781	0.081	ppbv #	17

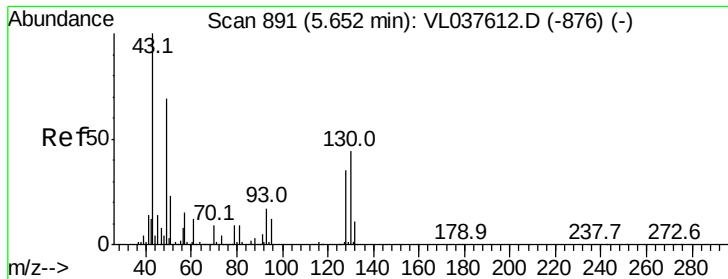
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL037651.D

Acq: 18 Sep 2021 9:23

Instrument :
MSVOA_L
ClientSampleId :

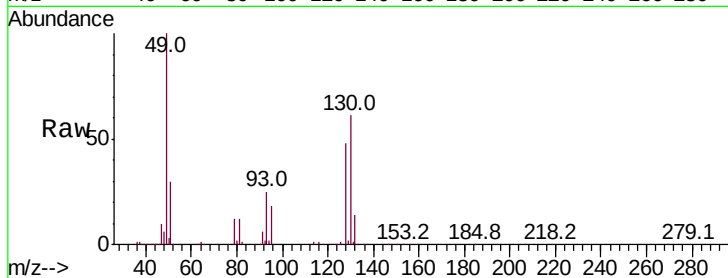
Tot Ion: 49 Resp: 1309503

Ion Ratio Lower Upper

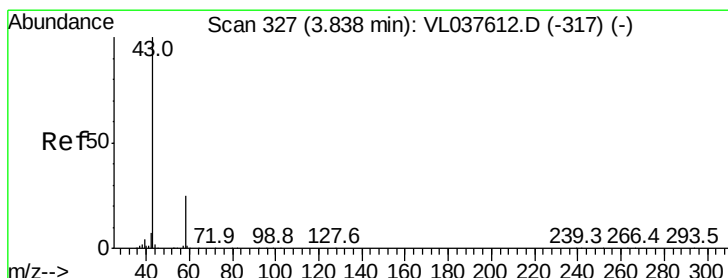
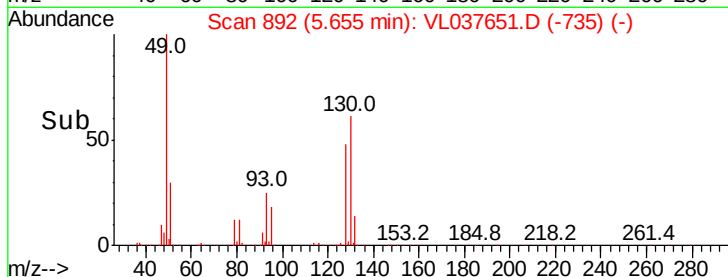
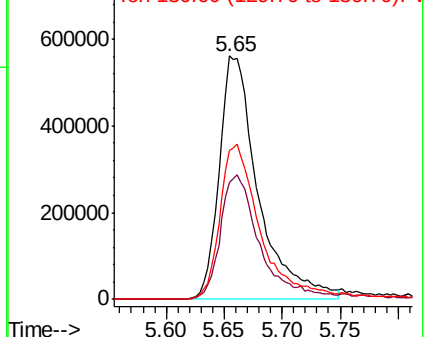
49 100

128 54.7 27.9 83.6

130 69.4 33.9 101.7



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



#15

Acetone

Concen: 0.099 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.03 min

Lab File: VL037651.D

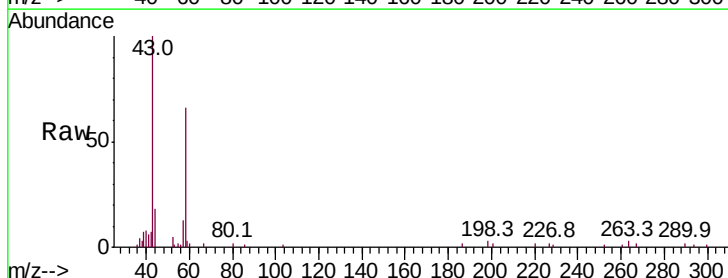
Acq: 18 Sep 2021 9:23

Tgt Ion: 43 Resp: 13494

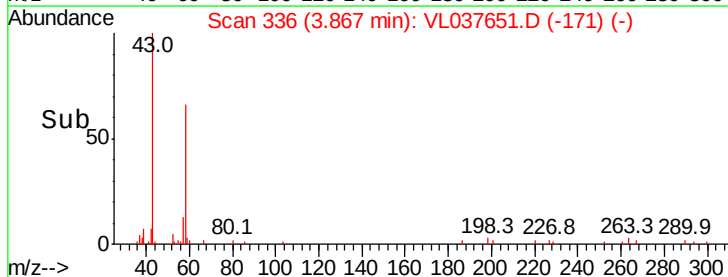
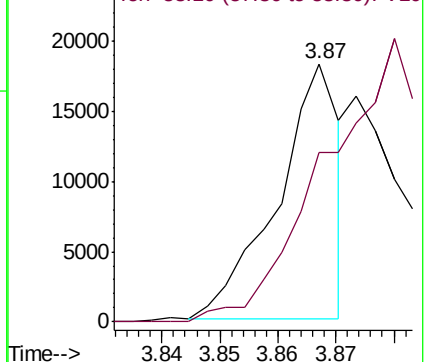
Ion Ratio Lower Upper

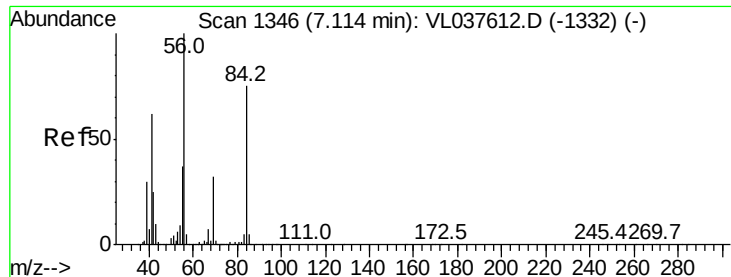
43 100

58 0.0 24.9 37.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

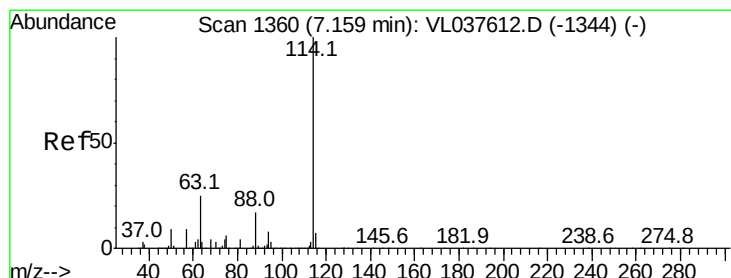
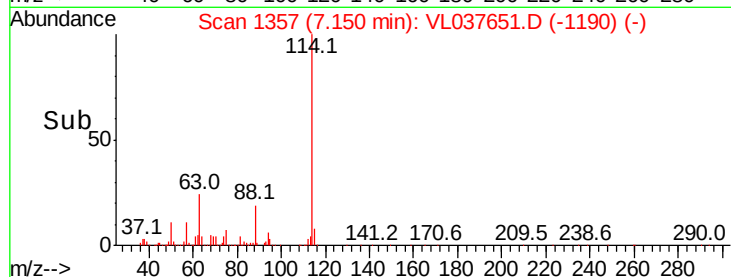
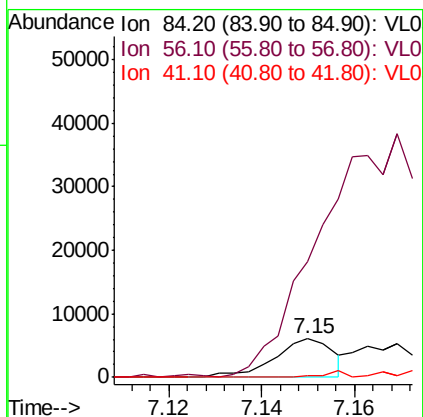
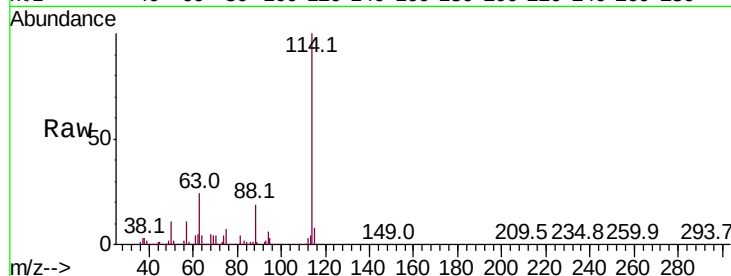




#30
Cyclohexane
Concen: 0.040 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.04 min
Lab File: VL037651.D
Acq: 18 Sep 2021 9:23

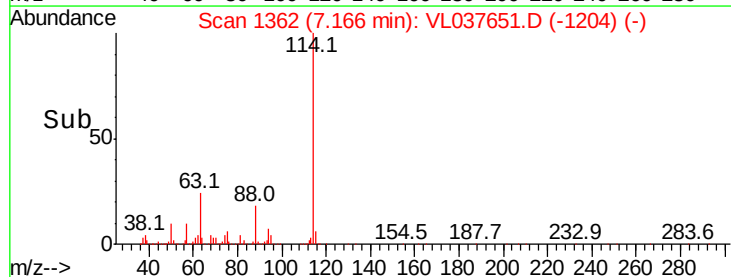
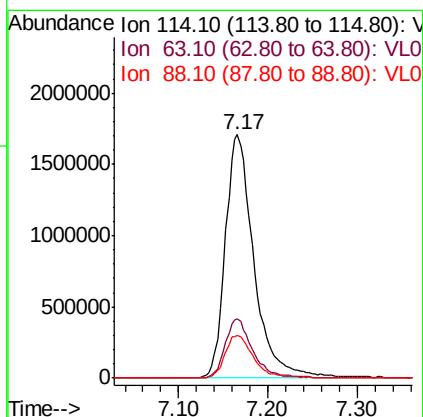
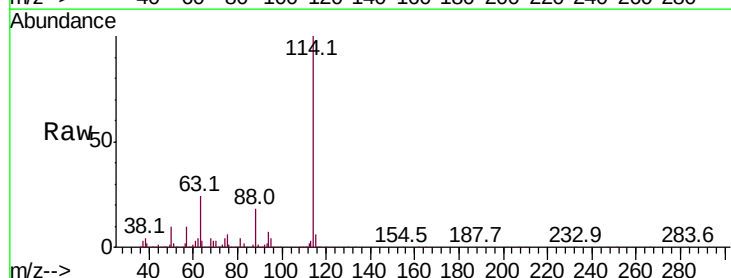
Instrument :
MSVOA_L
ClientSampleId :

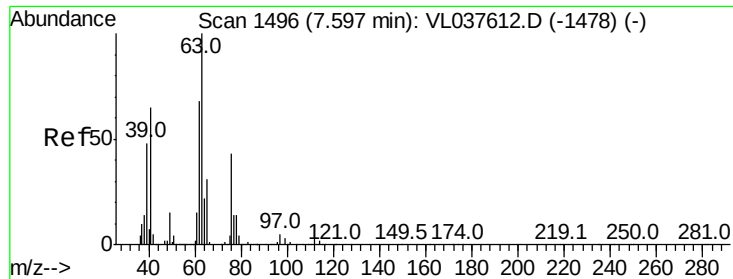
Tot Ion: 84 Resp: 5347
Ion Ratio Lower Upper
84 100
56 0.0 113.6 170.4#
41 0.0 67.9 101.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.01 min
Lab File: VL037651.D
Acq: 18 Sep 2021 9:23

Tgt Ion: 114 Resp: 3792580
Ion Ratio Lower Upper
114 100
63 23.6 19.6 29.4
88 17.8 14.2 21.4





#39

1,2-Dichloropropane

Concen: 0.081 ppbv

RT: 7.22 min Scan# 1379

Delta R.T. -0.38 min

Lab File: VL037651.D

Acq: 18 Sep 2021 9:23

Instrument :

MSVOA_L

ClientSampled :

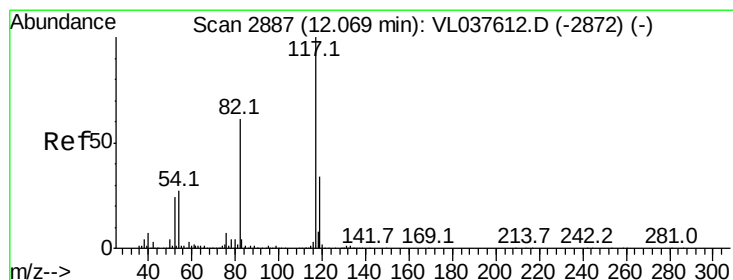
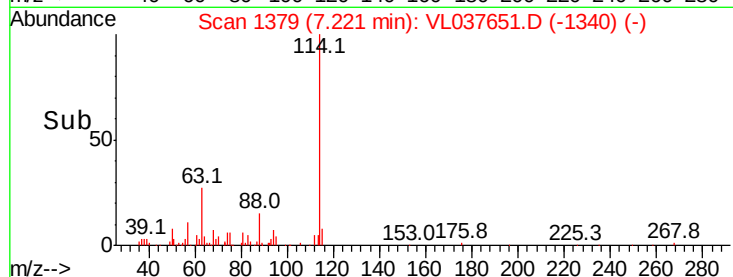
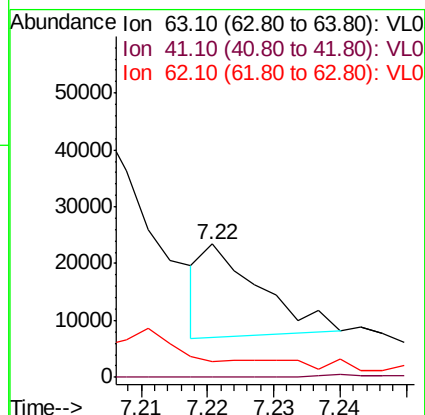
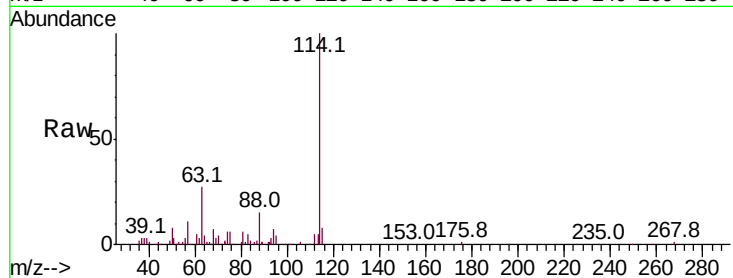
Tot Ion: 63 Resp: 9781

Ion Ratio Lower Upper

63 100

41 0.0 51.6 77.4#

62 0.0 54.6 81.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. 0.01 min

Lab File: VL037651.D

Acq: 18 Sep 2021 9:23

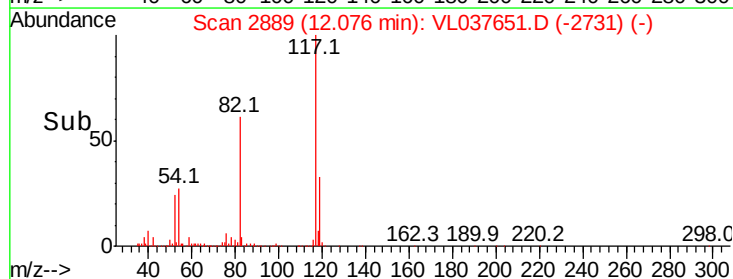
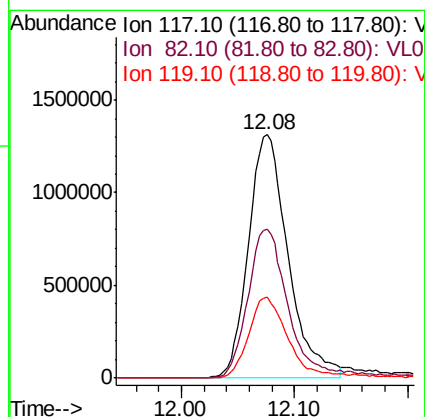
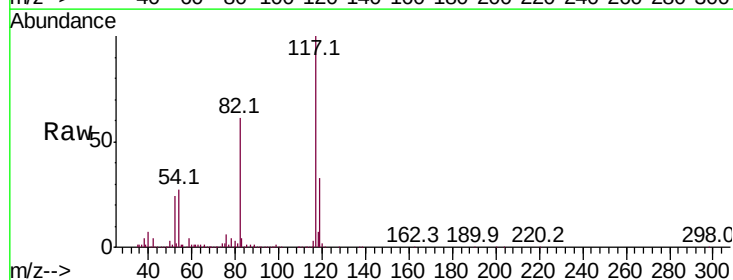
Tgt Ion: 117 Resp: 3205854

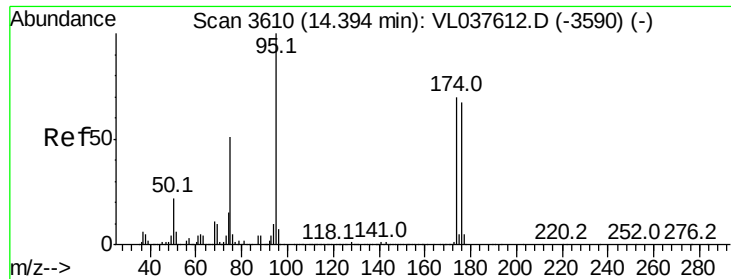
Ion Ratio Lower Upper

117 100

82 65.2 50.6 75.8

119 33.9 26.2 39.2





#68

1-Bromo-4-Fluorobenzene

Concen: 9.432 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.01 min

Lab File: VL037651.D

Acq: 18 Sep 2021 9:23

Instrument :

MSVOA_L

ClientSampleId :

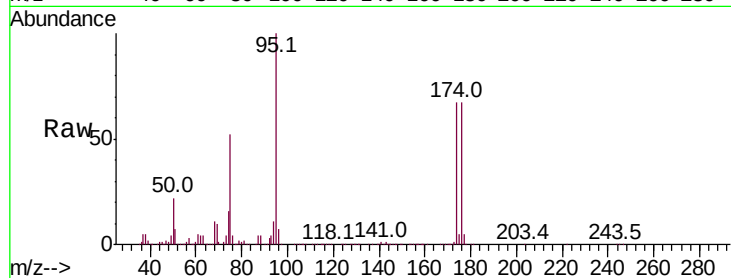
Tot Ion: 95 Resp: 2185240

Ion Ratio Lower Upper

95 100

174 79.3 56.3 84.5

175 5.9 4.4 6.6



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

