

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102021\
 Data File : VL037881.D
 Acq On : 20 Oct 2021 10:50
 Operator : SY/AP
 Sample : CAN 10443
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10443

Quant Time: Oct 21 01:31:01 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1078725	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3261748	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2727542	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1871263	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

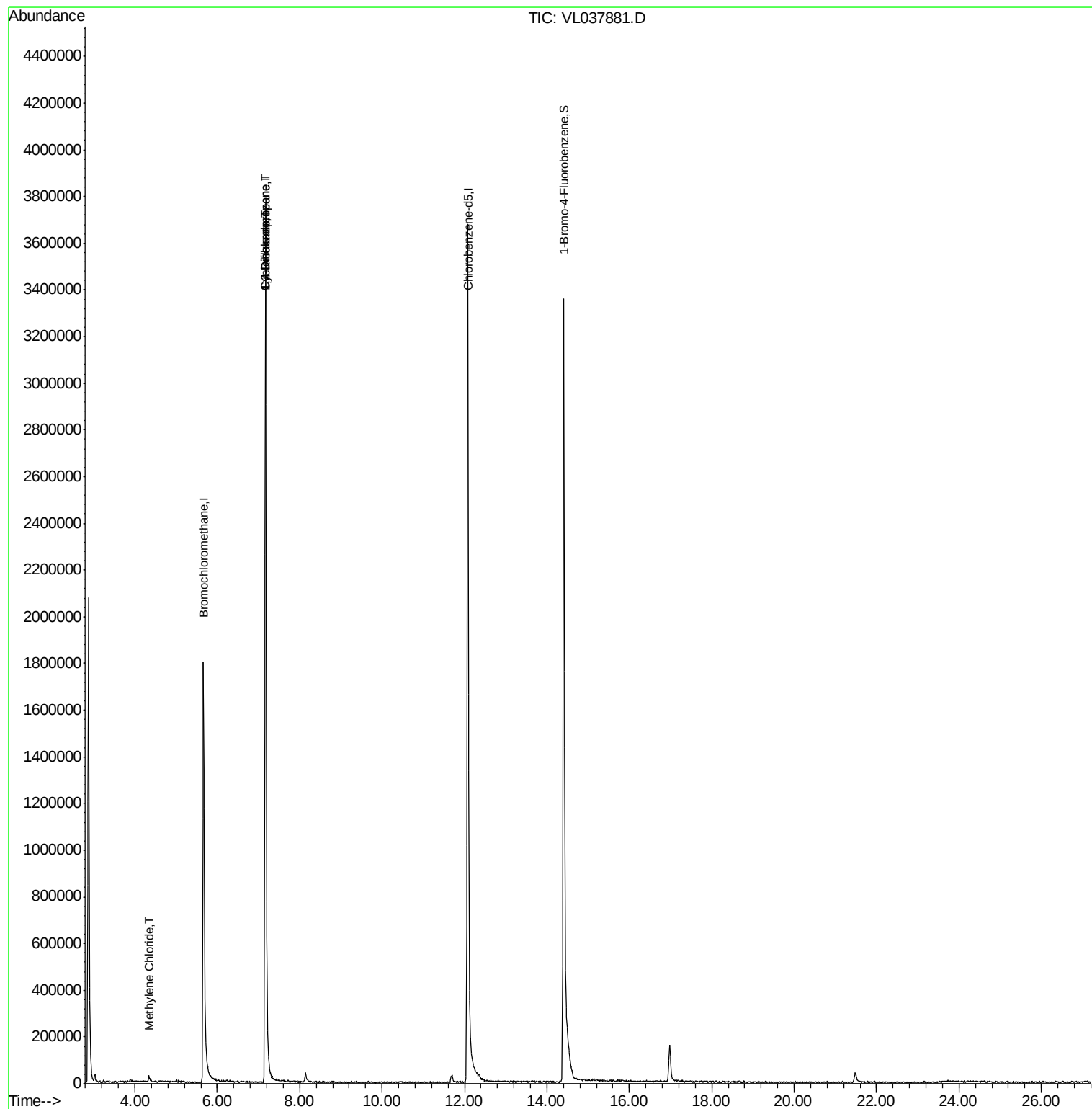
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.34	84	5006	0.102	ppbv #	75
30) Cyclohexane	7.16	84	5940	0.052	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	742901	7.089	ppbv #	28

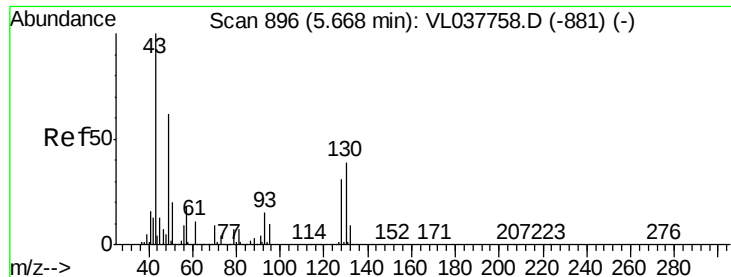
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Oct 2021 10:50 CAN 10443

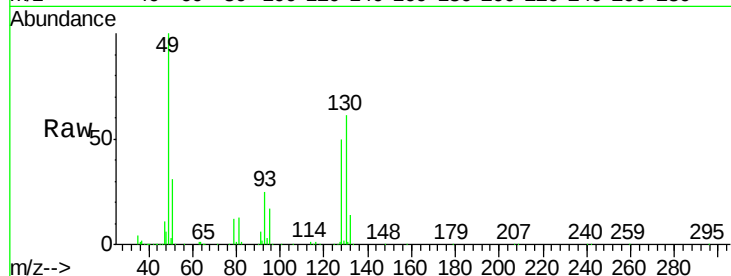
Tgt Ion: 49 Resp: 1078725

Ion Ratio Lower Upper

49 100

128 56.9 27.1 81.3

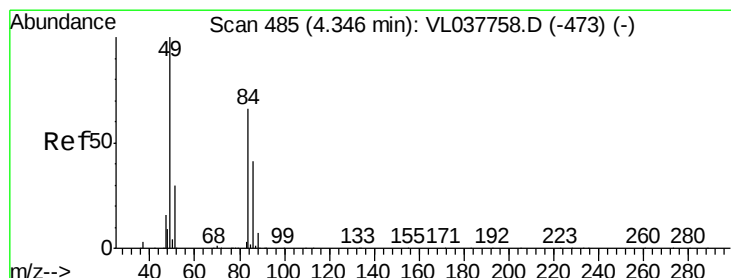
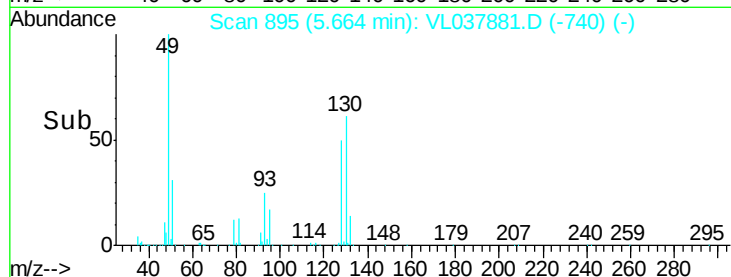
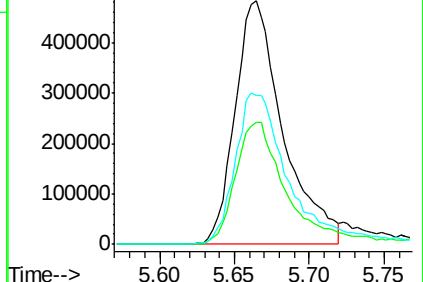
130 72.2 33.2 99.6



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



#20

Methylene Chloride

Concen: 0.102 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL037881.D

Acq: 20 Oct 2021 10:50

Tgt Ion: 84 Resp: 5006

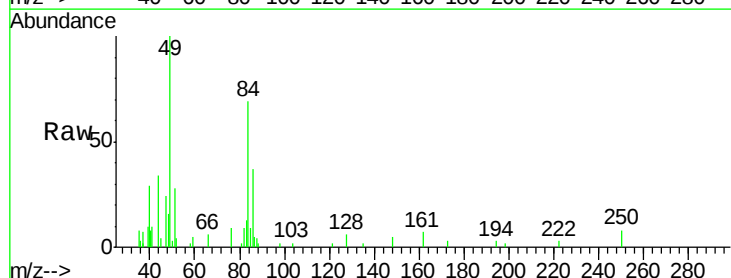
Ion Ratio Lower Upper

84 100

49 116.3 120.7 181.1#

51 36.3 36.2 54.4

86 39.8 49.6 74.4#

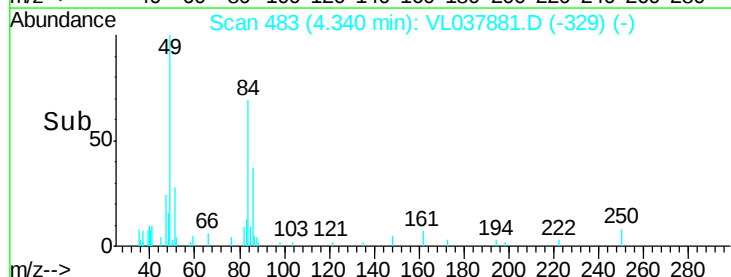
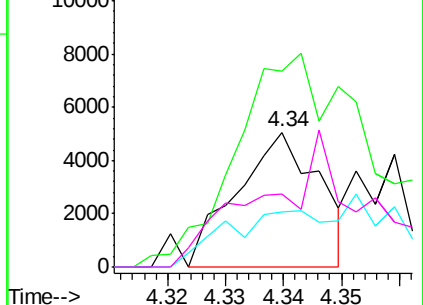


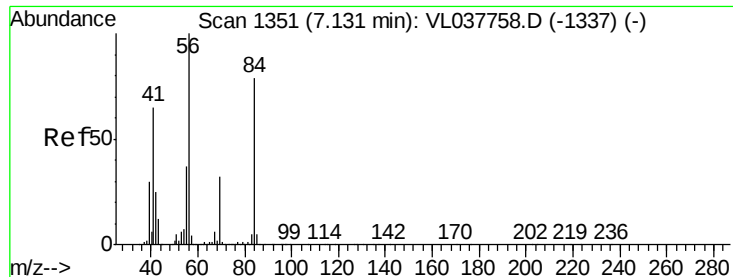
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

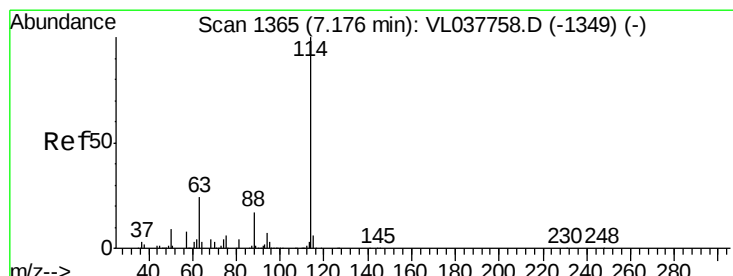
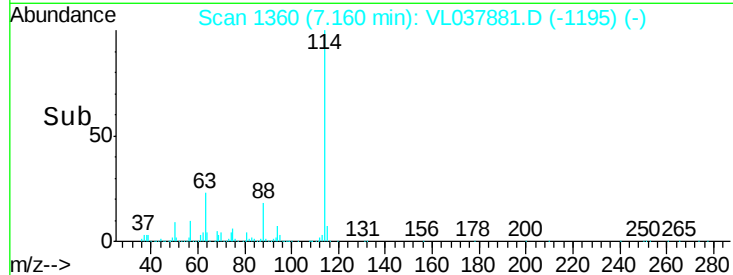
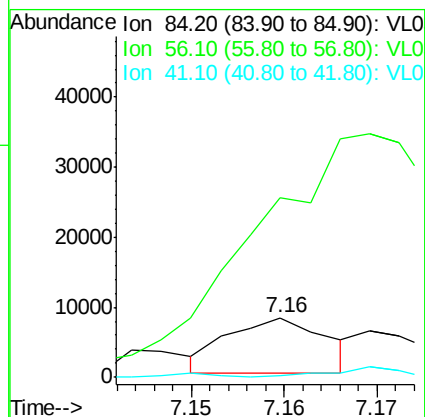
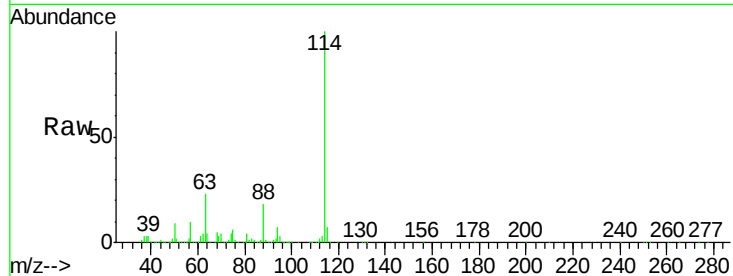
Ion 86.00 (85.70 to 86.70): VL0





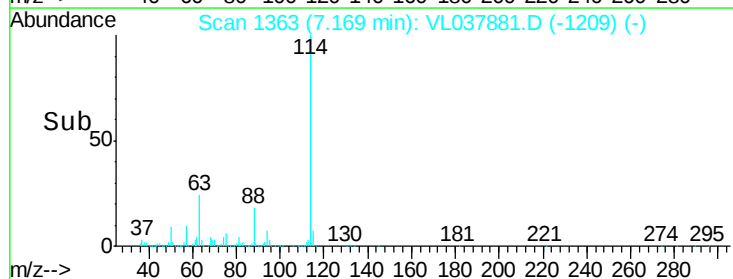
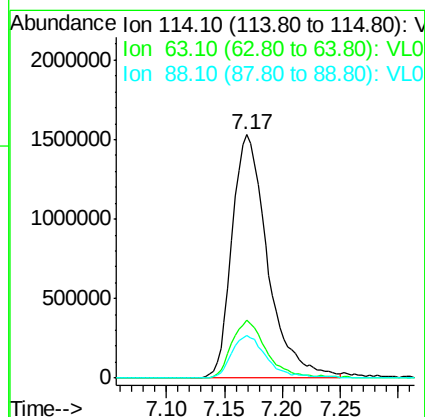
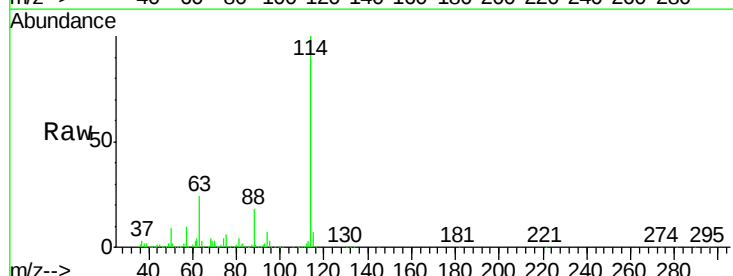
#30
Cyclohexane
Concen: 0.052 ppbv
RT: 7.16 Instrument : MSVOA_1
Delta R.T. ClientSampleId :
Lab File: CAN 10443
Acq: 20 Oct 2021 10:50

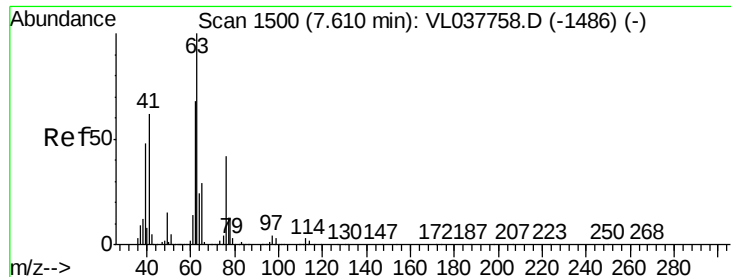
Tgt Ion: 84 Resp: 5940
Ion Ratio Lower Upper
84 100
56 0.0 113.0 169.4#
41 0.0 69.1 103.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL037881.D
Acq: 20 Oct 2021 10:50

Tgt Ion: 114 Resp: 3261748
Ion Ratio Lower Upper
114 100
63 23.6 19.4 29.2
88 17.7 14.4 21.6





#39

1,2-Dichloropropane

Concen: 7.089 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Oct 2021 10:50 CAN 10443

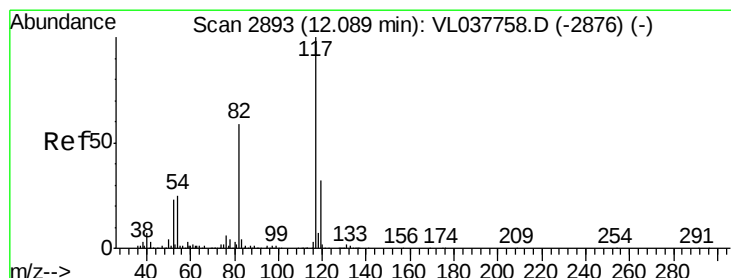
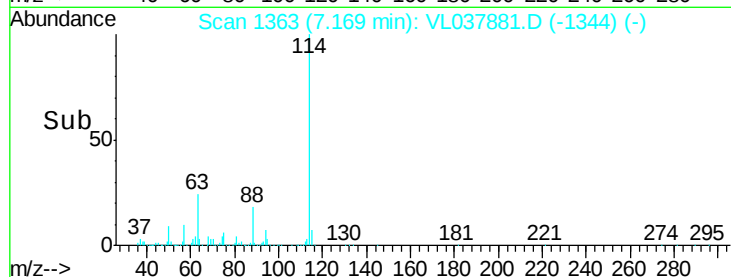
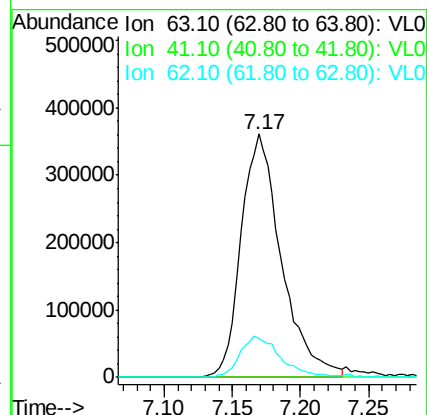
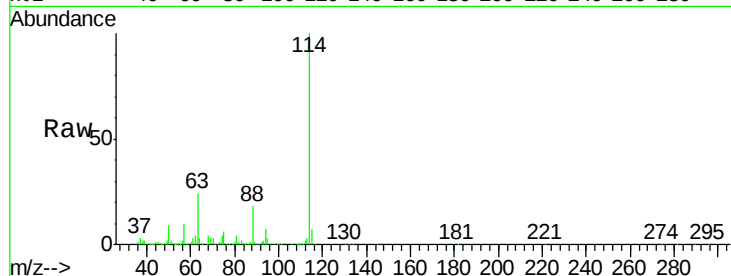
Tgt Ion: 63 Resp: 742901

Ion Ratio Lower Upper

63 100

41 0.4 49.8 74.6#

62 16.0 54.6 82.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2890

Delta R.T. -0.01 min

Lab File: VL037881.D

Acq: 20 Oct 2021 10:50

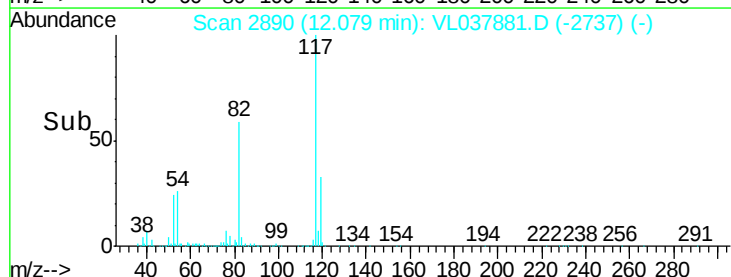
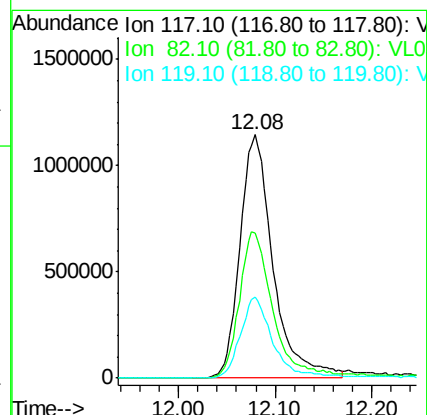
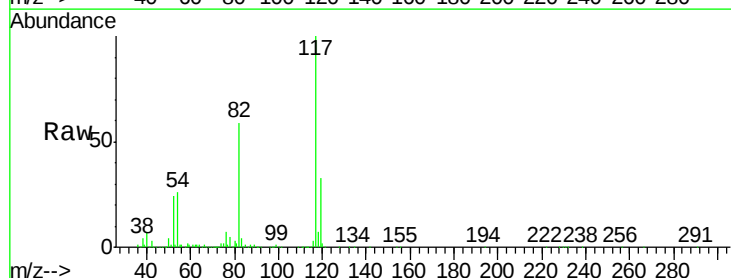
Tgt Ion: 117 Resp: 2727542

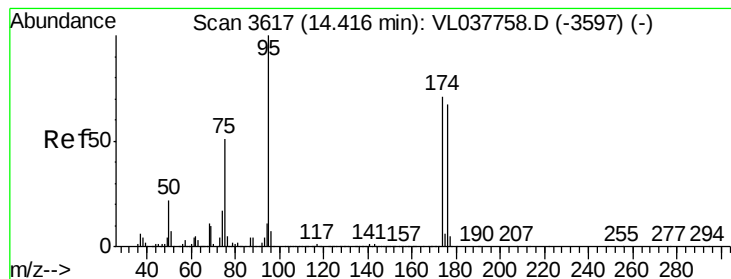
Ion Ratio Lower Upper

117 100

82 64.9 52.2 78.2

119 33.3 26.0 39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.811 ppbv

RT: 14.41 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Oct 2021 10:30

Tgt Ion: 95 Resp: 1871263

Ion Ratio Lower Upper

95 100

174 75.3 57.8 86.6

175 5.7 4.7 7.1

