

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\
 Data File : VL038160.D
 Acq On : 8 Dec 2021 8:49
 Operator : SY/AP
 Sample : OC120121 CAN 10054
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 08 15:01:32 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	773459	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2155647	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	1808908	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1445166	11.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.80%

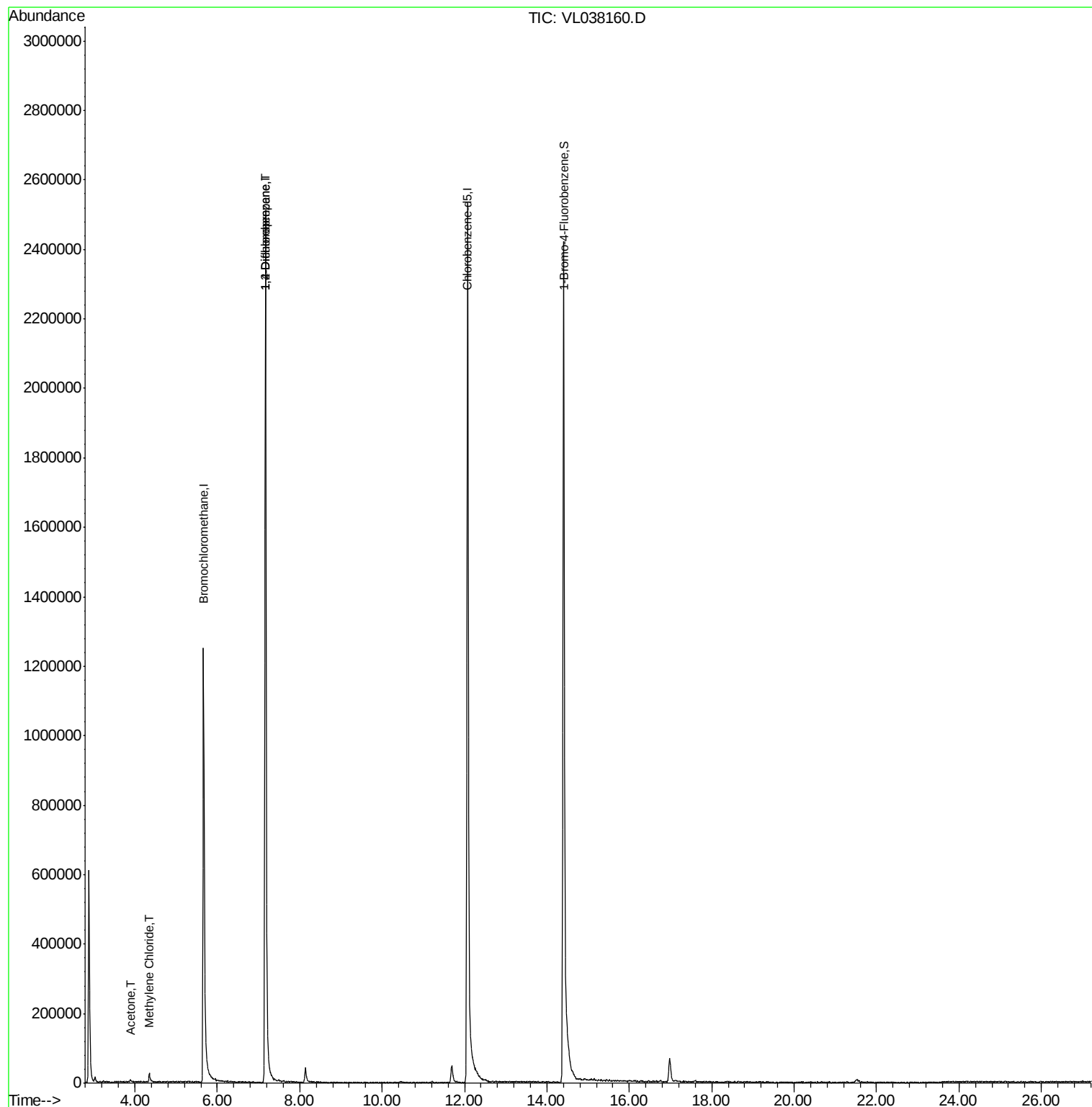
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.89	43	3743	0.056	ppbv #	73
20) Methylene Chloride	4.36	84	9533	0.254	ppbv	85
39) 1,2-Dichloropropane	7.17	63	563168	6.827	ppbv #	26

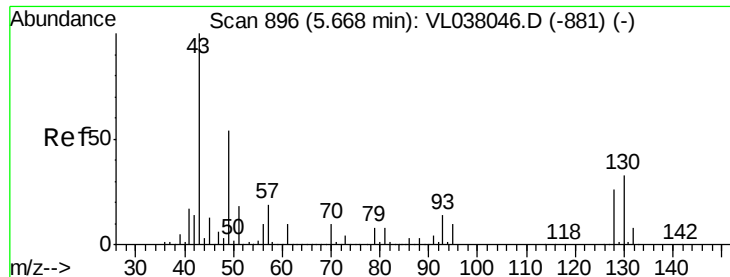
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Dec 2021 8:49

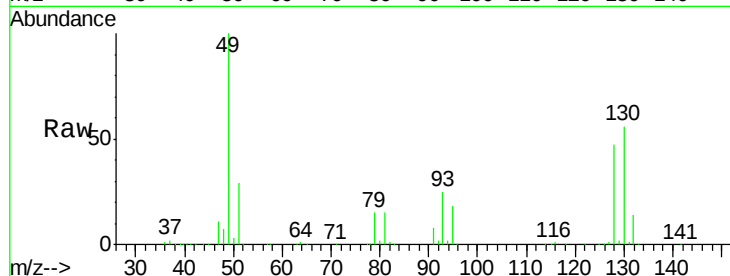
Tot Ion: 49 Resp: 773459

Ion Ratio Lower Upper

49 100

128 49.3 26.5 79.5

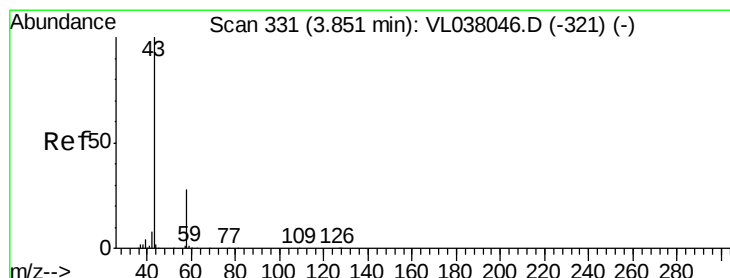
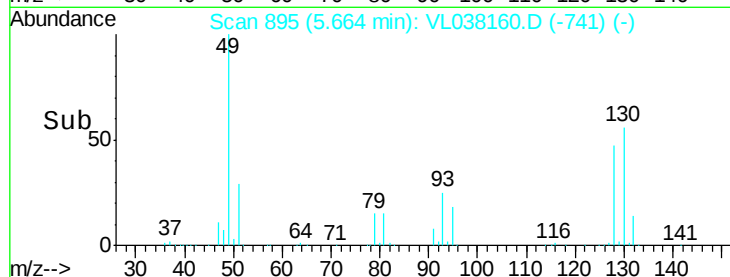
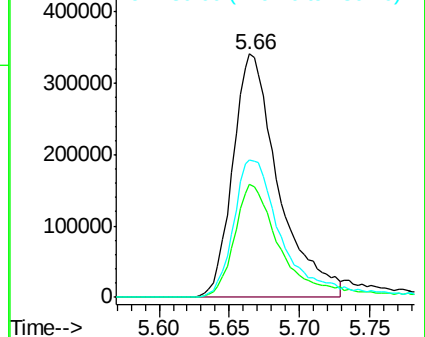
130 63.2 32.5 97.4



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: 0.056 ppbv

RT: 3.89 min Scan# 343

Delta R.T. 0.04 min

Lab File: VL038160.D

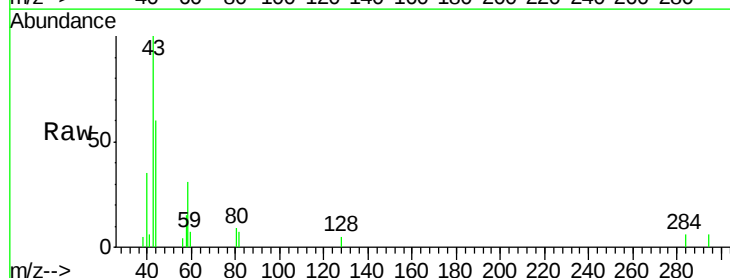
Acq: 8 Dec 2021 8:49

Tgt Ion: 43 Resp: 3743

Ion Ratio Lower Upper

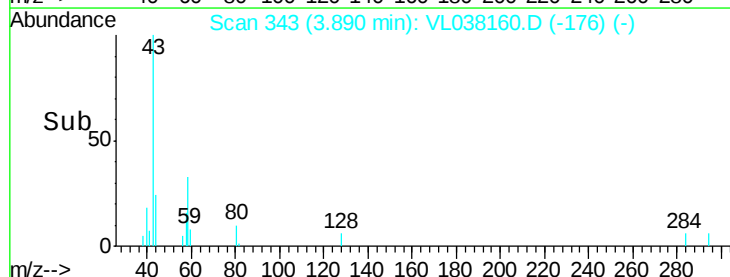
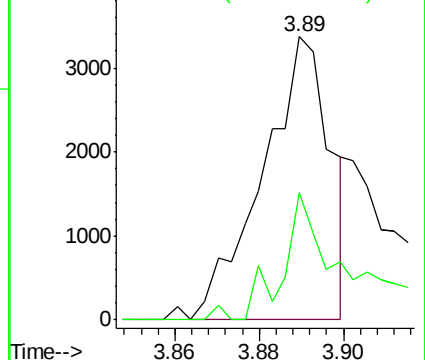
43 100

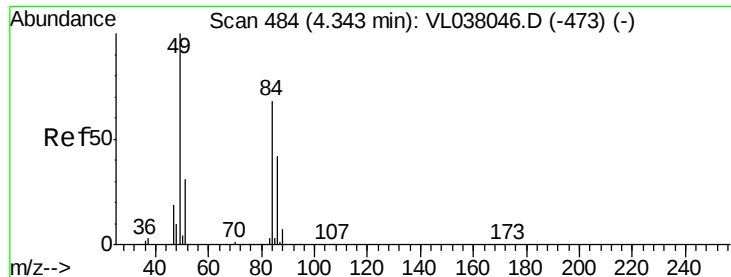
58 42.4 22.4 33.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

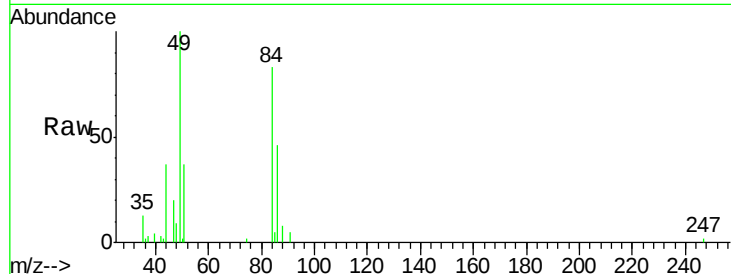
Ion 58.10 (57.80 to 58.80): VL0



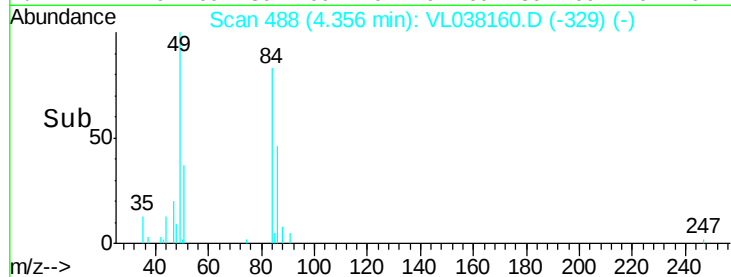
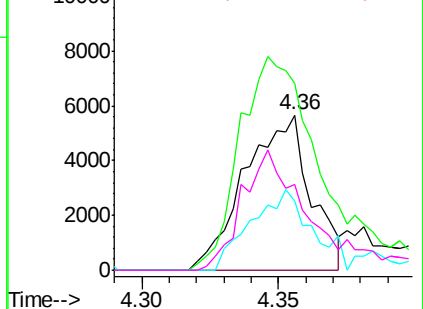


#20
Methylene Chloride
Concen: 0.254 ppbv
RT: 4.36
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Dec 2021 8:49

Tot Ion: 84 Resp: 9533
Ion Ratio Lower Upper
84 100
49 120.4 118.2 177.2
51 44.8 36.8 55.2
86 54.9 49.0 73.6

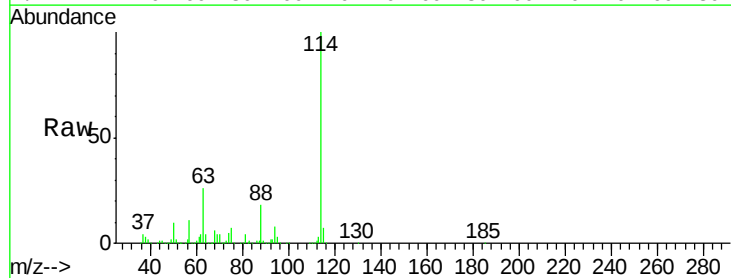
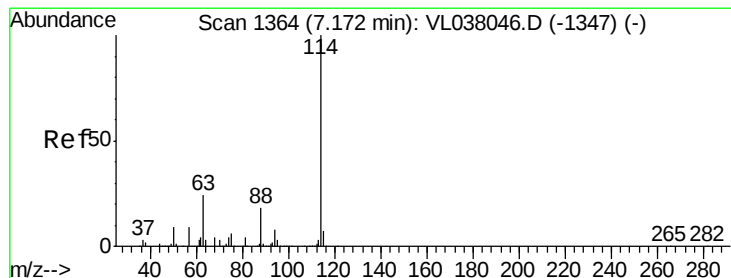


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

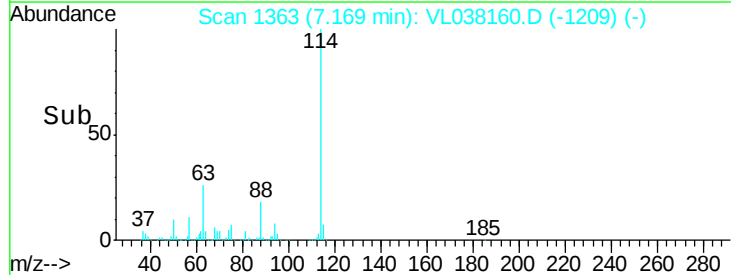
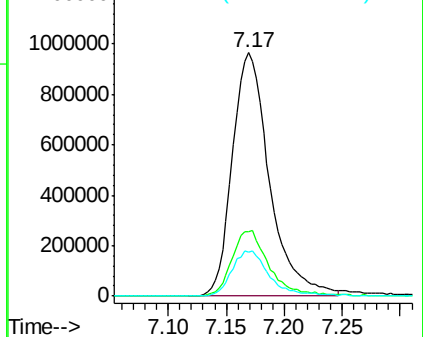


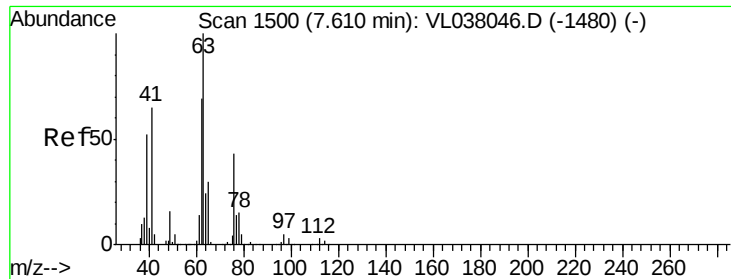
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VL038160.D
Acq: 8 Dec 2021 8:49

Tgt Ion: 114 Resp: 2155647
Ion Ratio Lower Upper
114 100
63 27.5 19.7 29.5
88 19.2 14.4 21.6



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 6.827 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Dec 2021 8:49

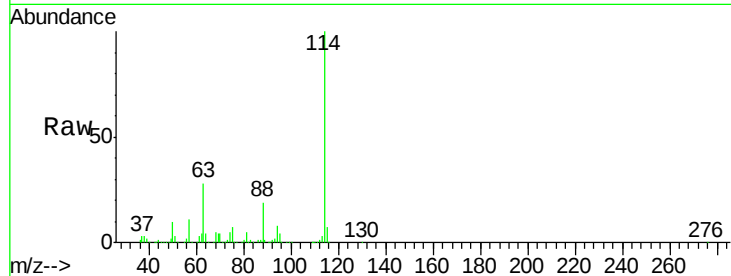
Tot Ion: 63 Resp: 563168

Ion Ratio Lower Upper

63 100

41 0.0 52.3 78.5#

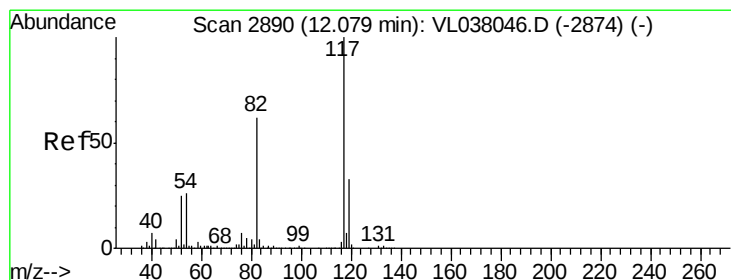
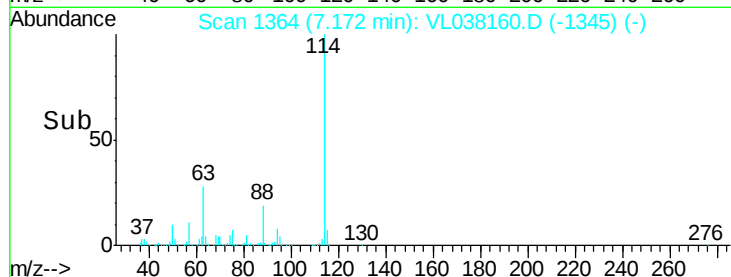
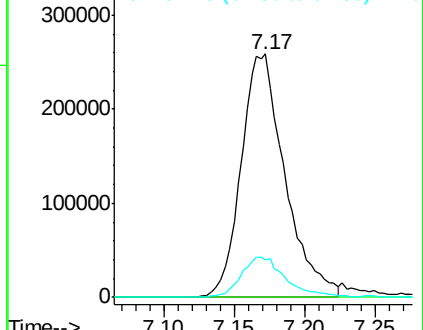
62 15.2 55.1 82.7#



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: 12.08 min Scan# 2889

Delta R.T. -0.00 min

Lab File: VL038160.D

Acq: 8 Dec 2021 8:49

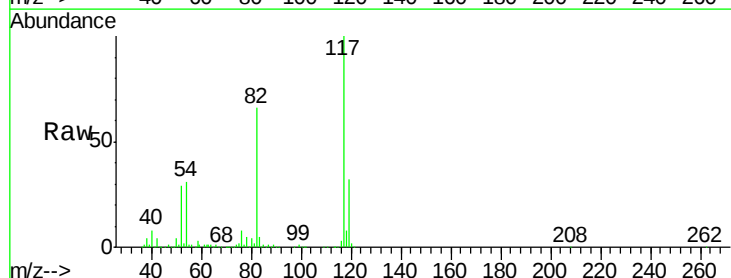
Tgt Ion: 117 Resp: 1808908

Ion Ratio Lower Upper

117 100

82 75.4 52.8 79.2

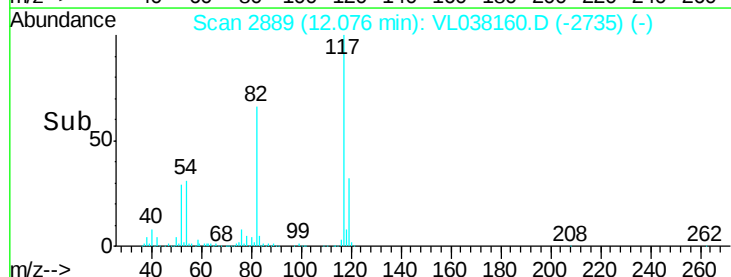
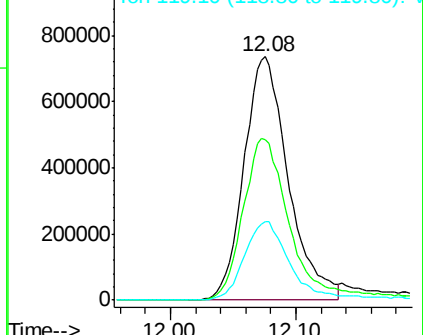
119 35.4 26.8 40.2

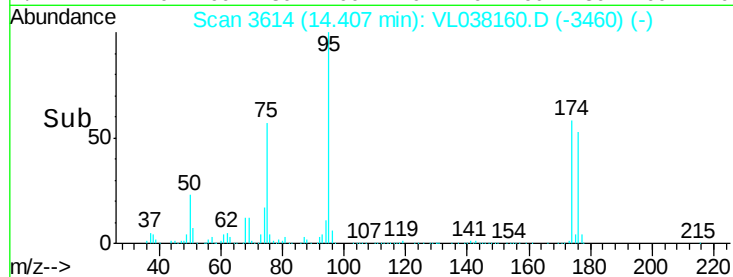
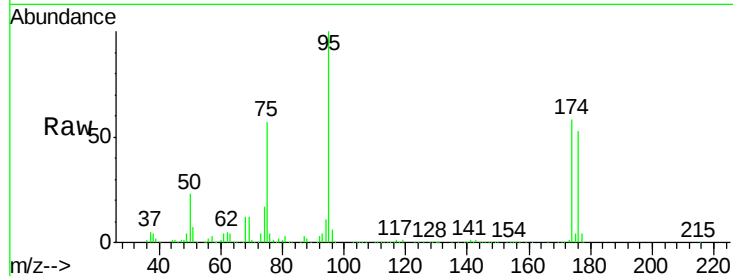
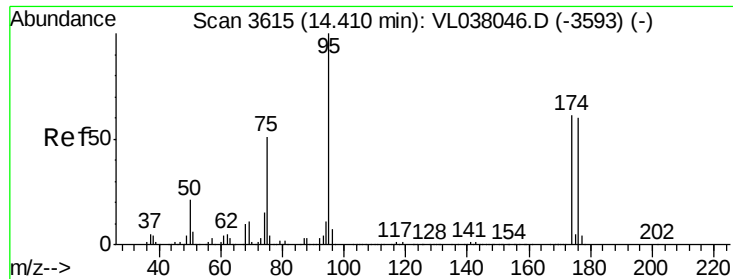


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 11.076 ppbv

RT: 14.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Dec 2021 8:49

Tot Ion: 95 Resp: 1445166

Ion Ratio Lower Upper

95 100

174 63.3 53.1 79.7

175 4.7 4.0 6.0

