

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121421\
 Data File : VL038164.D
 Acq On : 14 Dec 2021 13:30
 Operator : SY/AP
 Sample : VL1214ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 15 04:56:15 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	5.64	49	1109656	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	2859495	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.04	117	2329635	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1838106	10.94	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.40%

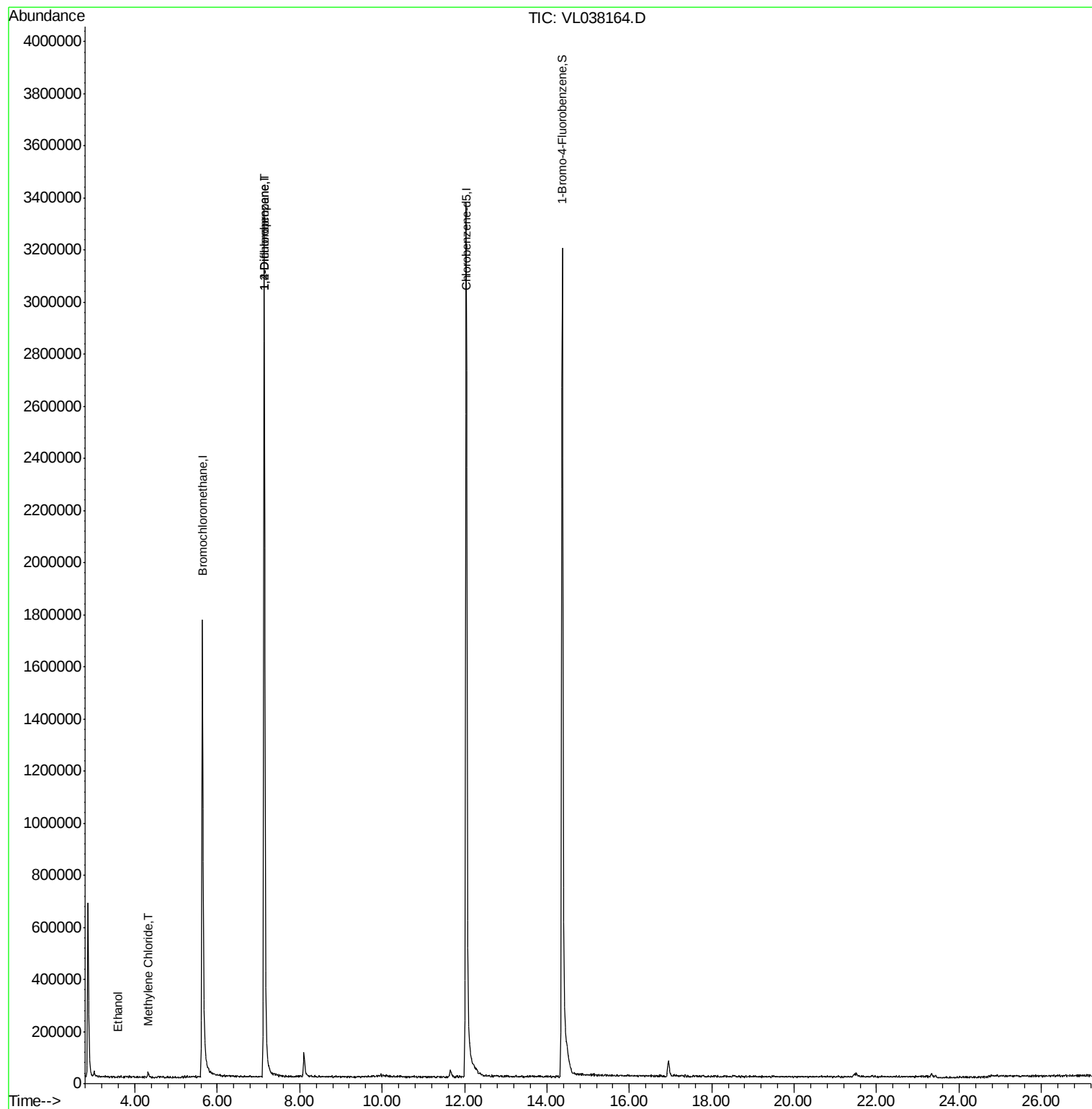
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.59	45	273	0.033	ppbv #	32
20) Methylene Chloride	4.32	84	7272	0.135	ppbv	88
39) 1,2-Dichloropropane	7.14	63	747991	6.836	ppbv #	28

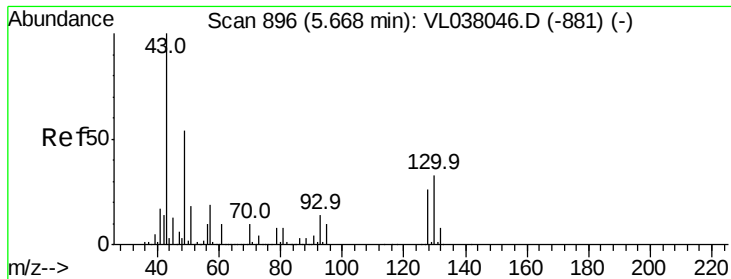
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
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QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 14 Dec 2021 13:30

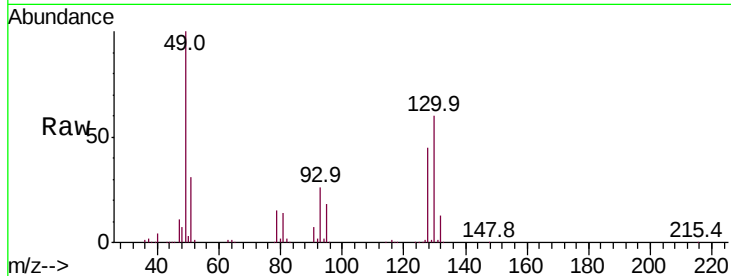
Tot Ion: 49 Resp: 1109656

Ion Ratio Lower Upper

49 100

128 47.3 26.5 79.5

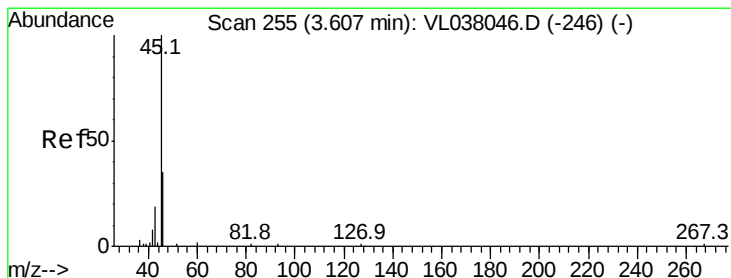
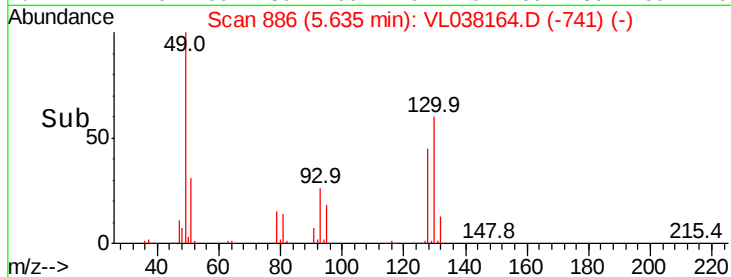
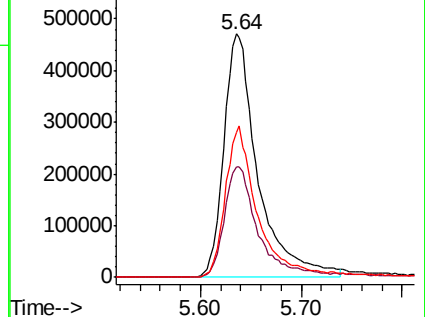
130 61.1 32.5 97.4



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



#13

Ethanol

Concen: 0.033 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL038164.D

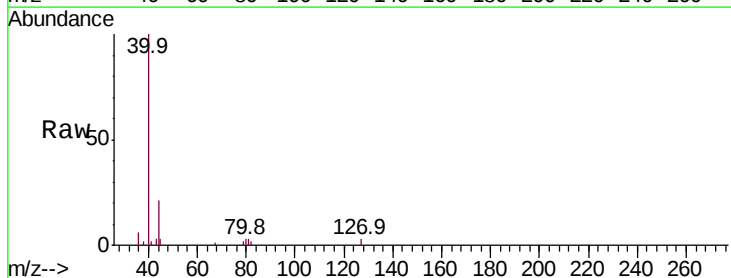
Acq: 14 Dec 2021 13:30

Tgt Ion: 45 Resp: 273

Ion Ratio Lower Upper

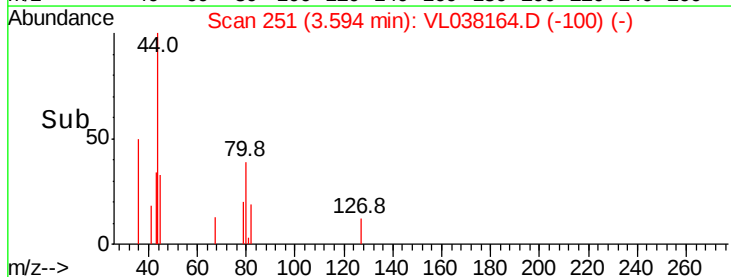
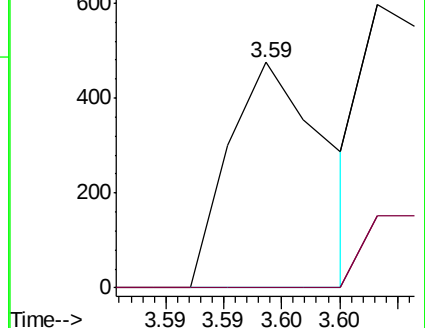
45 100

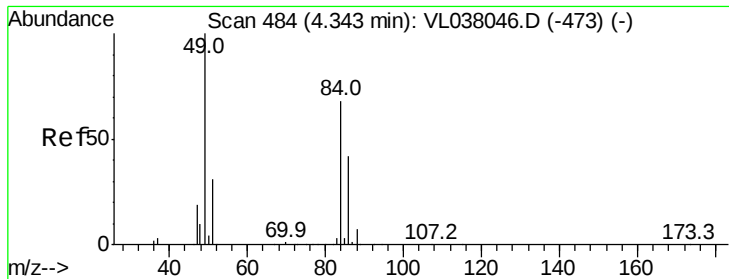
46 0.0 17.6 70.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#20

Methylene Chloride

Concen: 0.135 ppbv

RT: 4.32 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 14 Dec 2021 13:30

Tot Ion: 84 Resp: 7272

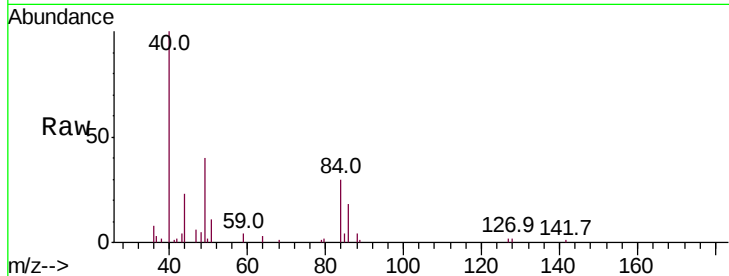
Ion Ratio Lower Upper

84 100

49 128.4 118.2 177.2

51 37.5 36.8 55.2

86 60.0 49.0 73.6

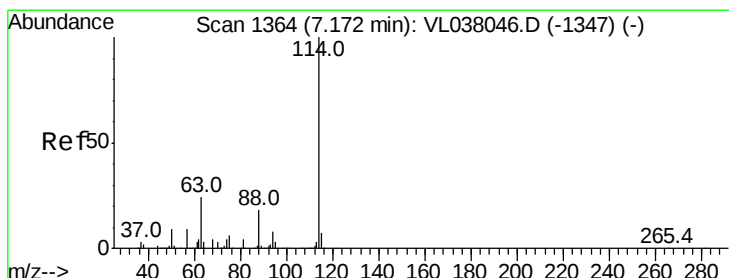
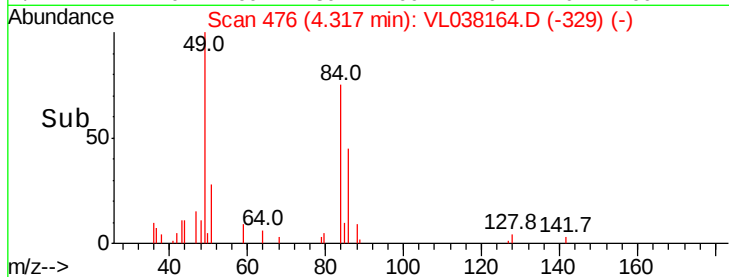
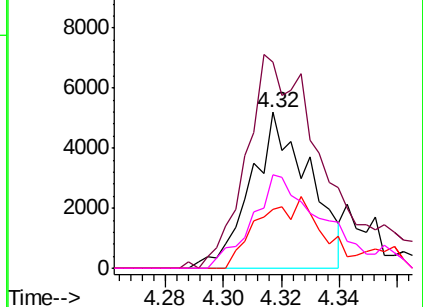


Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 7.14 min Scan# 1354

Delta R.T. -0.03 min

Lab File: VL038164.D

Acq: 14 Dec 2021 13:30

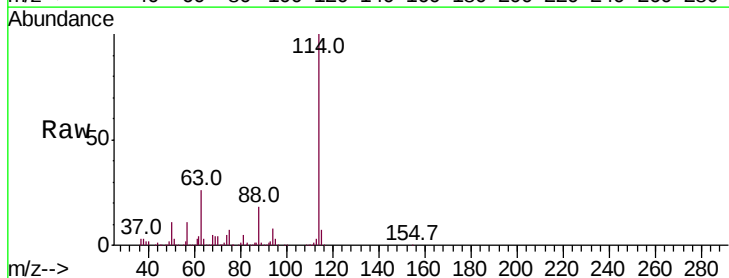
Tgt Ion:114 Resp: 2859495

Ion Ratio Lower Upper

114 100

63 26.7 19.7 29.5

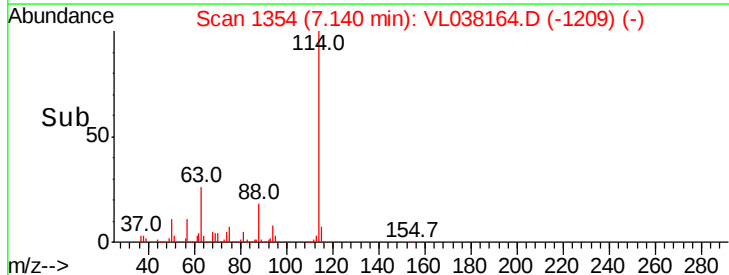
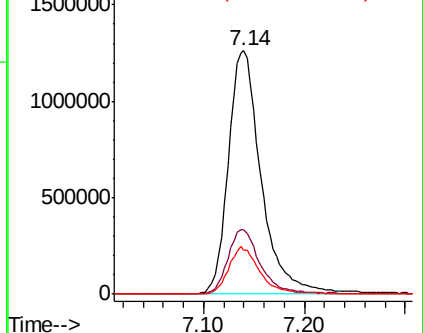
88 18.9 14.4 21.6

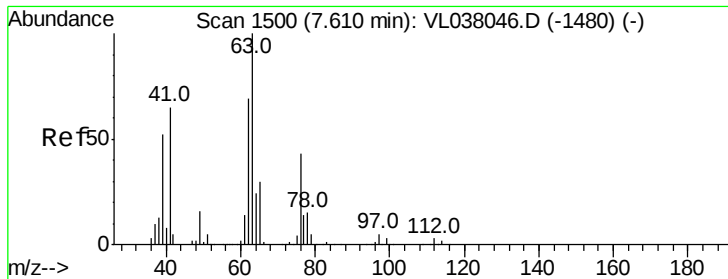


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 6.836 ppbv

RT: 7.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Dec 2021 13:30

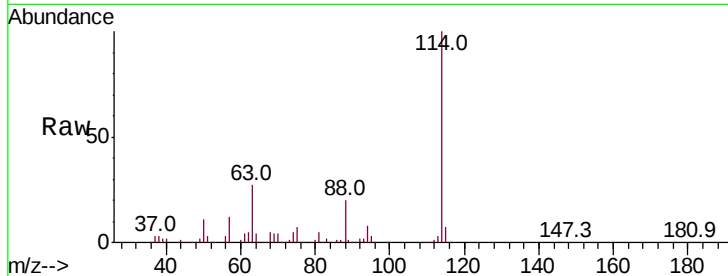
Tot Ion: 63 Resp: 747991

Ion Ratio Lower Upper

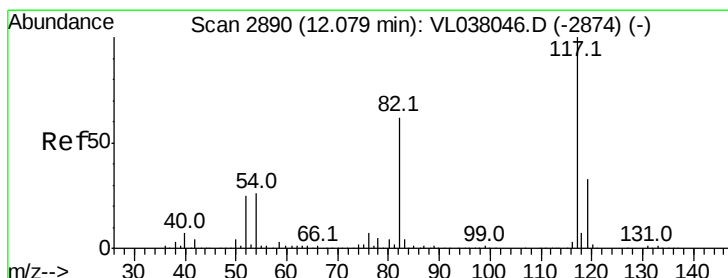
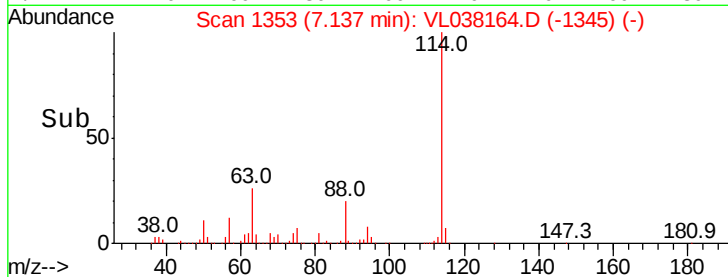
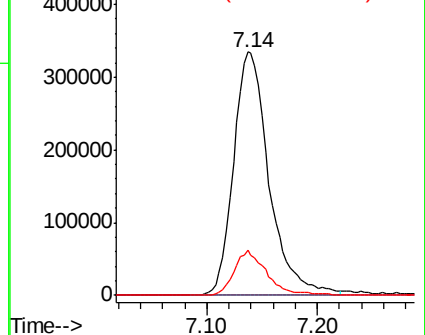
63 100

41 0.0 52.3 78.5#

62 18.7 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: 12.04 min Scan# 2878

Delta R.T. -0.04 min

Lab File: VL038164.D

Acq: 14 Dec 2021 13:30

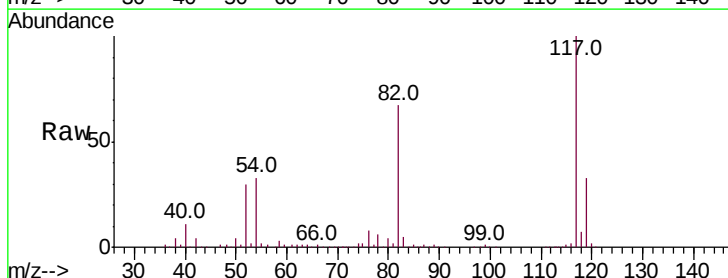
Tgt Ion: 117 Resp: 2329635

Ion Ratio Lower Upper

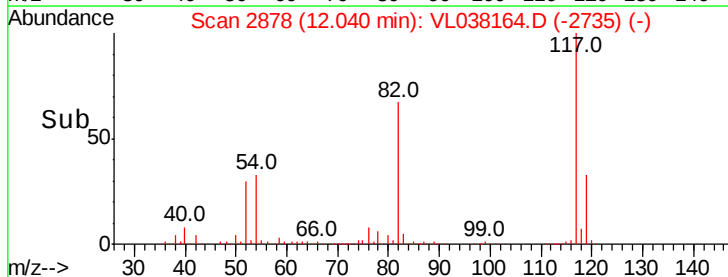
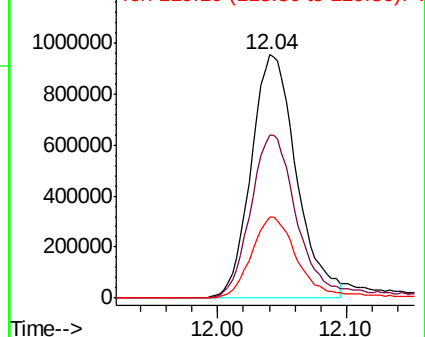
117 100

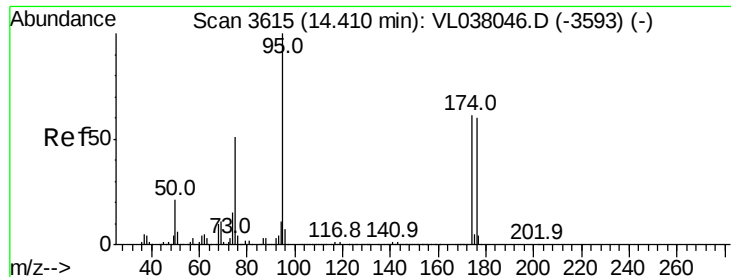
82 75.1 52.8 79.2

119 35.5 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: 10.939 ppbv

RT: 14.37

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 13:30

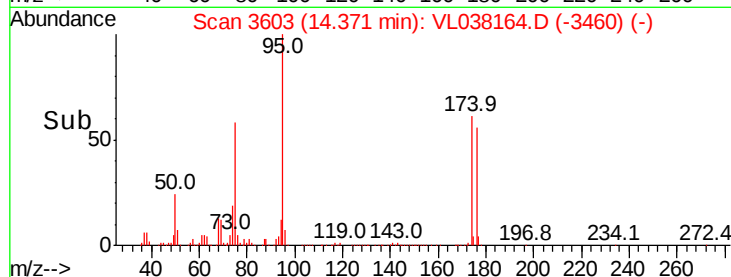
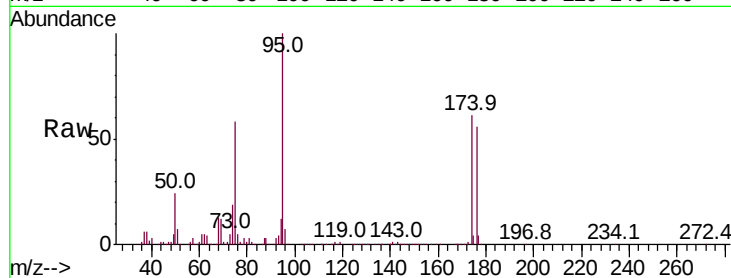
Tot Ion: 95 Resp: 1838106

Ion Ratio Lower Upper

95 100

174 63.5 53.1 79.7

175 4.6 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

