

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052322\
 Data File : VL039112.D
 Acq On : 24 May 2022 9:48
 Operator : SY/AP
 Sample : OC052322 CAN 10279
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC052322 CAN 10279

Quant Time: May 25 04:14:27 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1178164	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3022635	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	2580032	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2005978	9.82	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

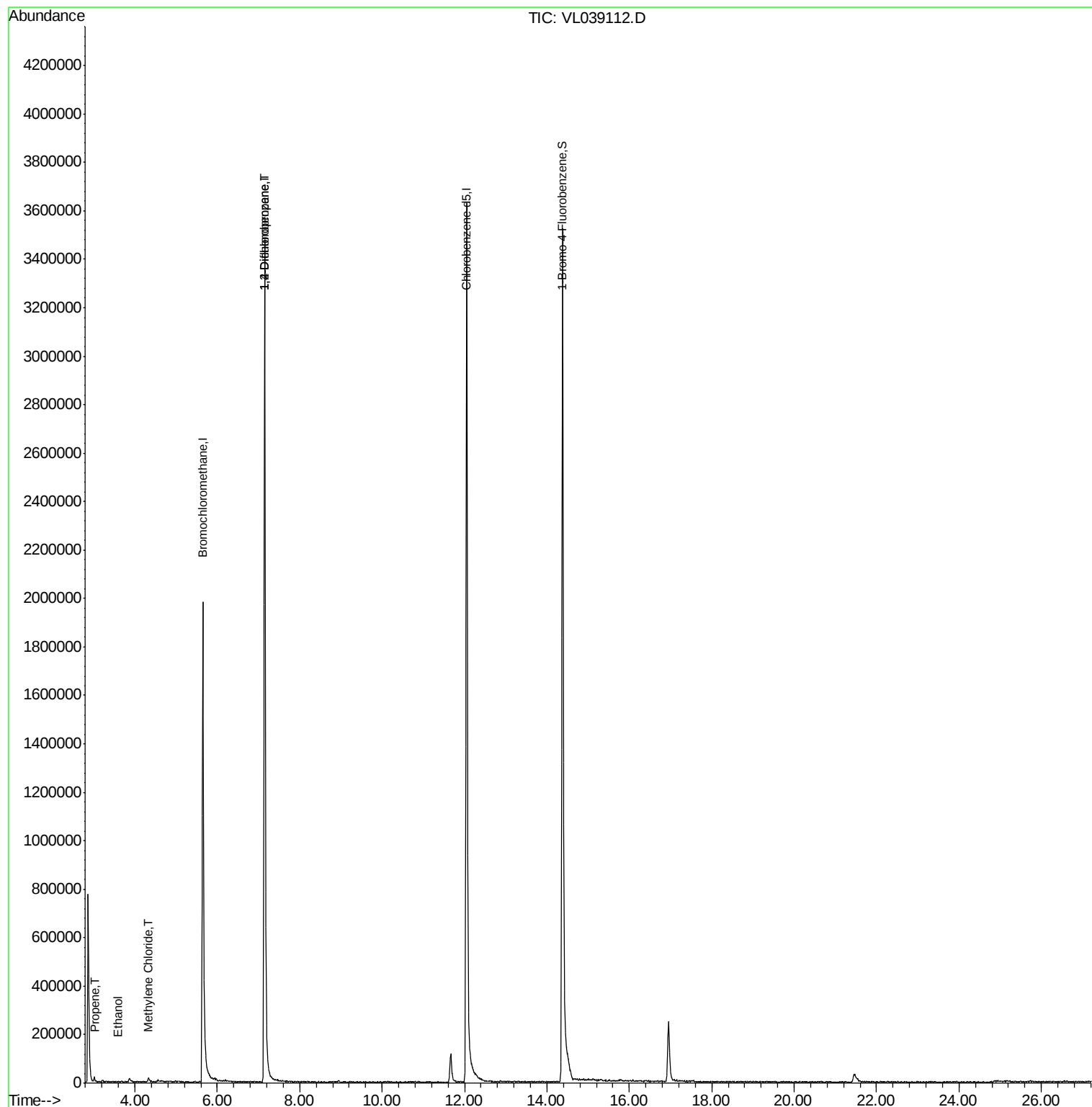
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	5876	0.092	ppbv	85
13) Ethanol	3.60	45	751	0.166	ppbv #	31
20) Methylene Chloride	4.33	84	1788	0.043	ppbv #	45
39) 1,2-Dichloropropane	7.15	63	764386	7.595	ppbv #	26

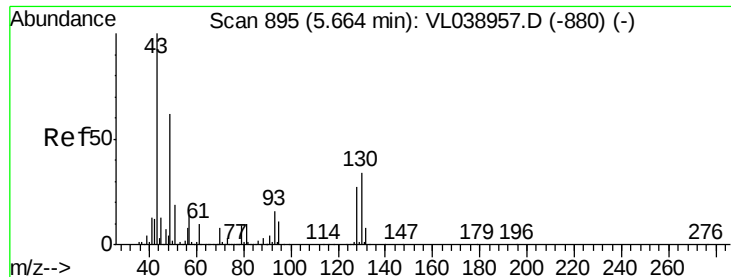
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: OC052322 CAN 10279

Acq: 24 May 2022 9:48

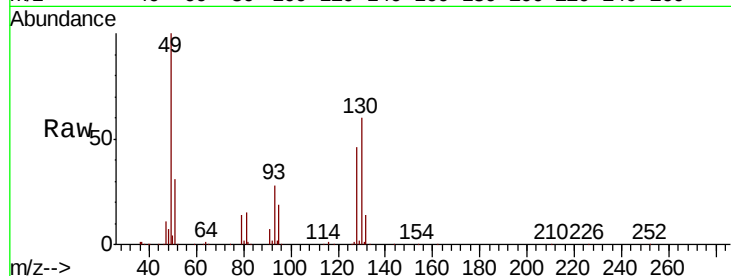
Tot Ion: 49 Resp: 1178164

Ion Ratio Lower Upper

49 100

128 48.5 23.3 69.8

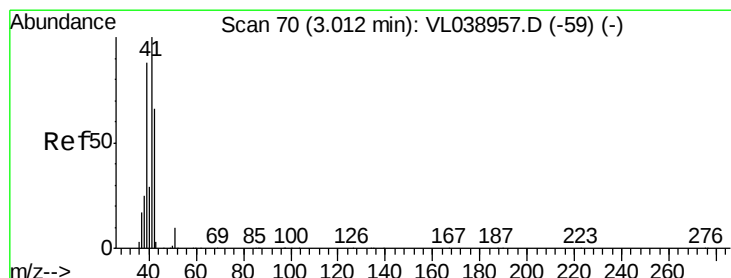
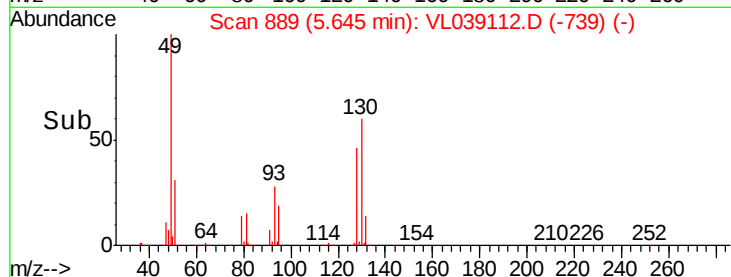
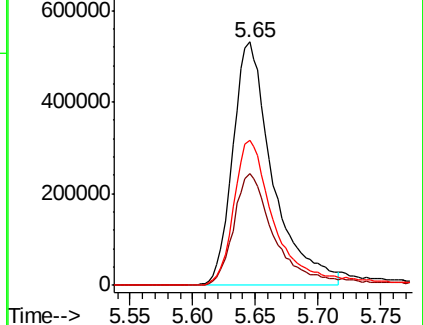
130 62.8 29.8 89.3



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



#9

Propene

Concen: 0.092 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL039112.D

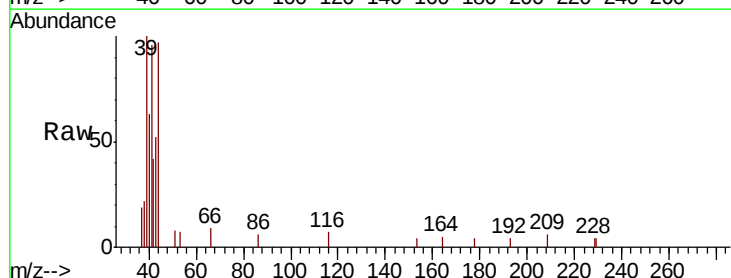
Acq: 24 May 2022 9:48

Tgt Ion: 41 Resp: 5876

Ion Ratio Lower Upper

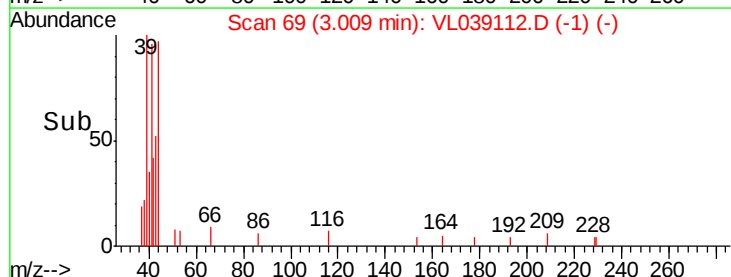
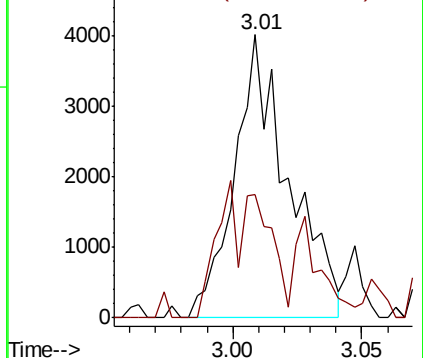
41 100

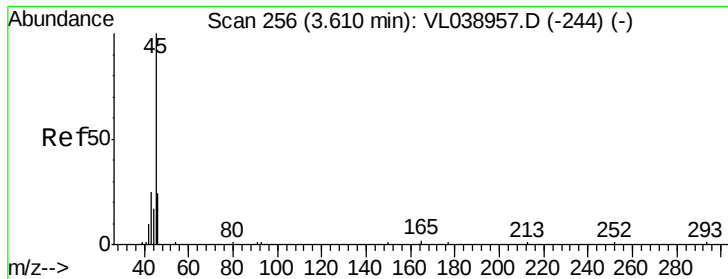
42 60.1 58.3 87.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

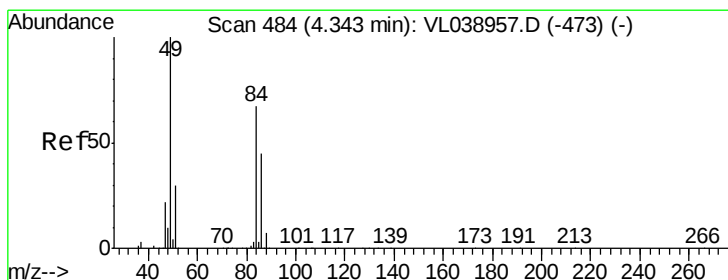
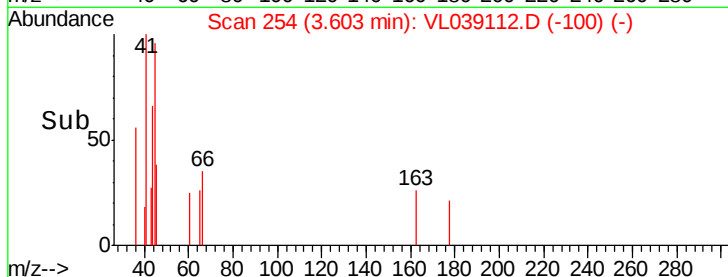
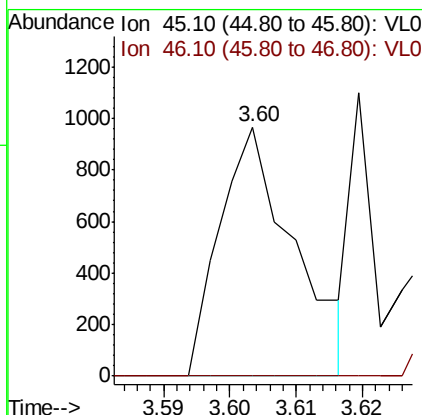
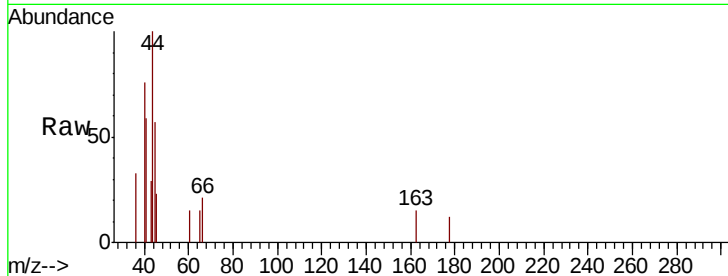
Ion 42.10 (41.80 to 42.80): VL0





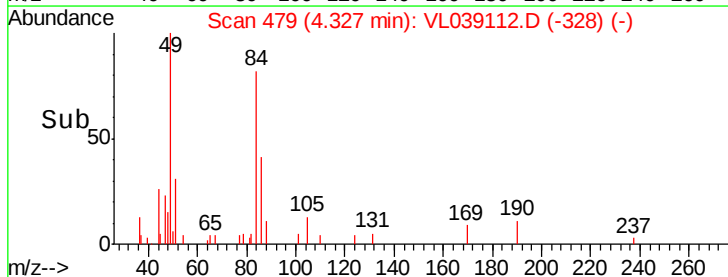
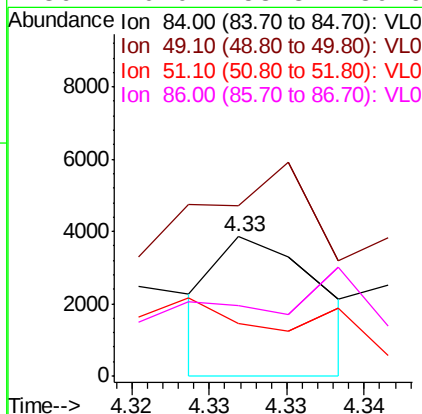
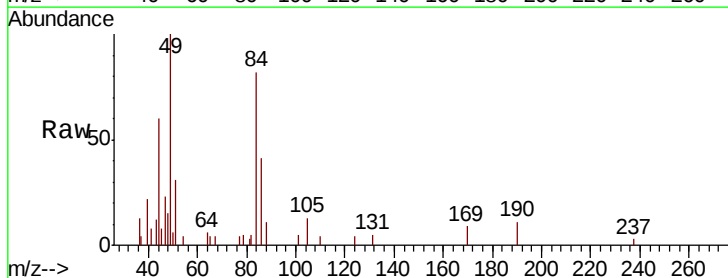
#13
Ethanol
Concen: 0.166 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
OC052322 CAN 10279
Acq: 24 May 2022 9:48

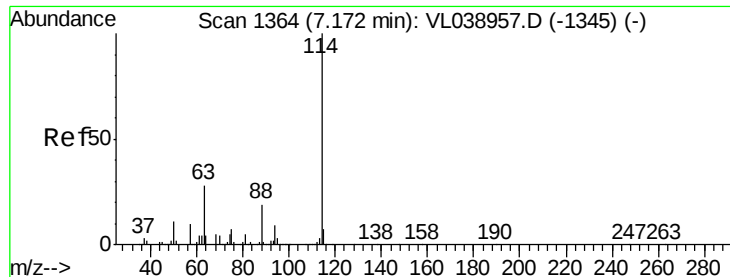
Tot Ion: 45 Resp: 751
Ion Ratio Lower Upper
45 100
46 0.0 18.0 72.2#



#20
Methylene Chloride
Concen: 0.043 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL039112.D
Acq: 24 May 2022 9:48

Tgt Ion: 84 Resp: 1788
Ion Ratio Lower Upper
84 100
49 102.5 119.9 179.9#
51 0.0 35.7 53.5#
86 0.0 53.8 80.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 May 2022 9:48 OC052322 CAN 10279

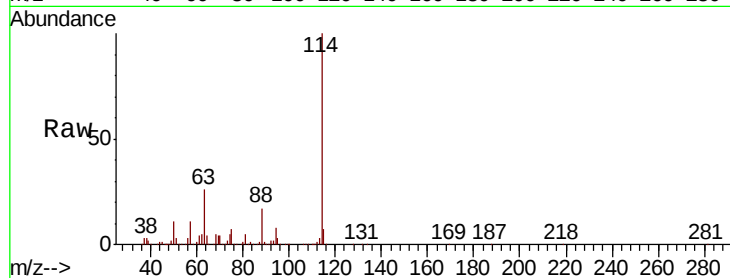
Tot Ion:114 Resp: 3022635

Ion Ratio Lower Upper

114 100

63 26.3 22.6 33.8

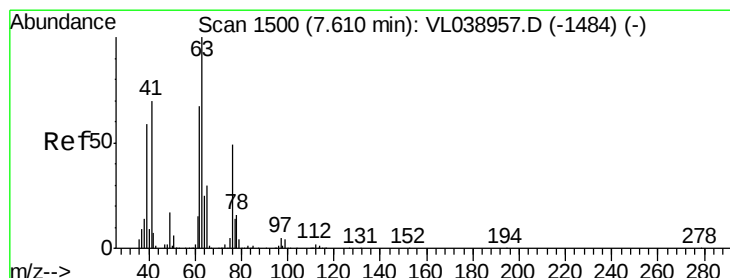
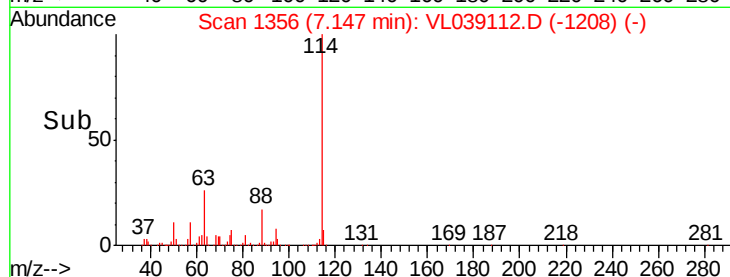
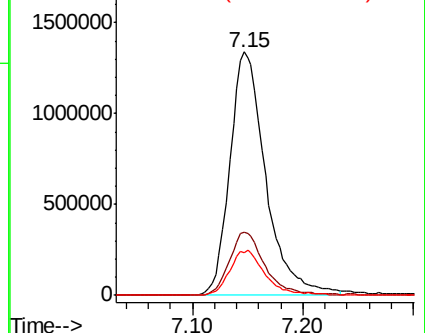
88 18.7 15.4 23.0



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: 7.595 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.46 min

Lab File: VL039112.D

Acq: 24 May 2022 9:48

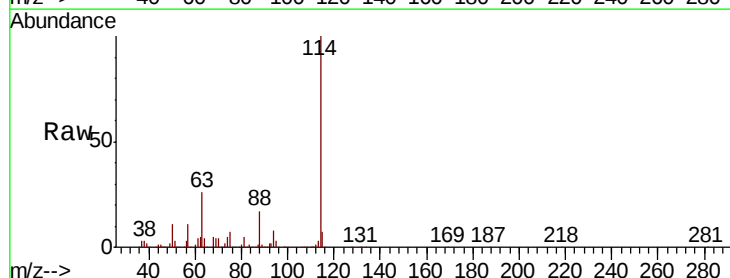
Tgt Ion: 63 Resp: 764386

Ion Ratio Lower Upper

63 100

41 0.0 55.9 83.9#

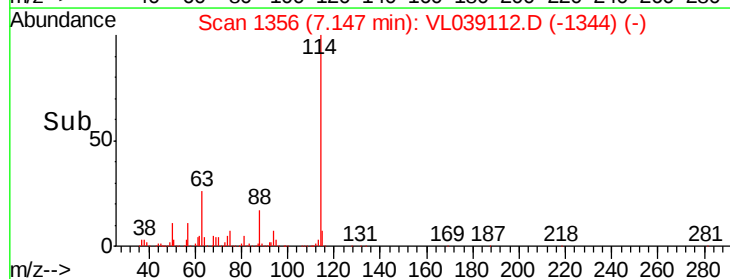
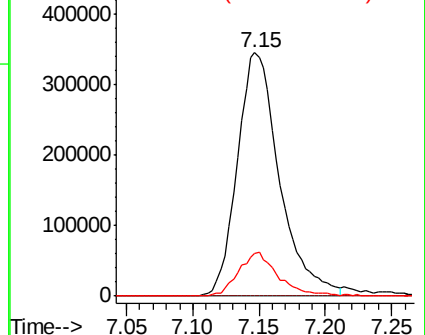
62 17.7 53.8 80.6#

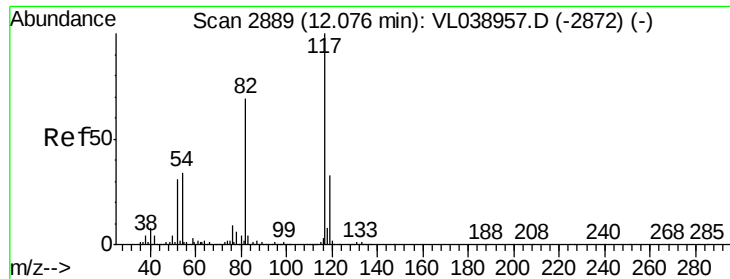


Abundance Ion 63.10 (62.80 to 63.80): VL0

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: 12.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId : OC052322 CAN 10279

Acq: 24 May 2022 9:48

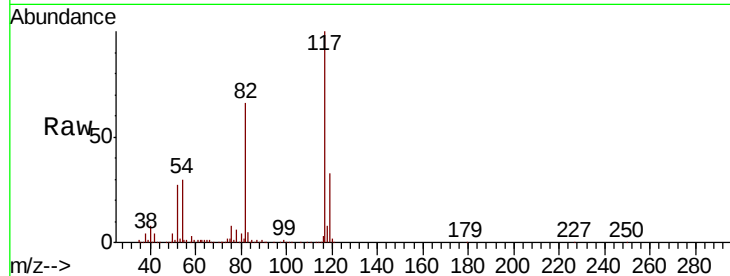
Tot Ion:117 Resp: 2580032

Ion Ratio Lower Upper

117 100

82 70.9 57.0 85.6

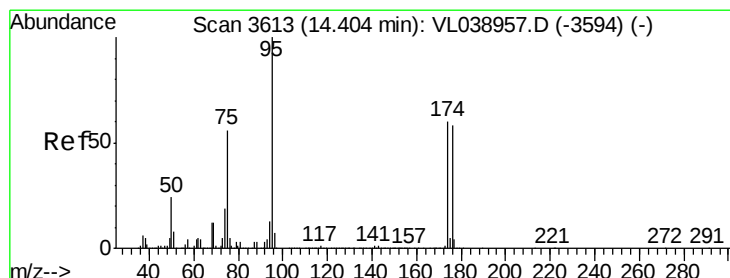
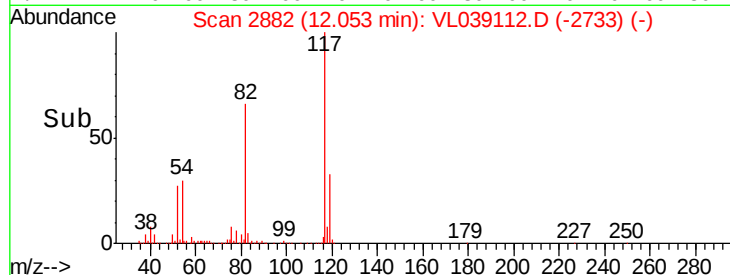
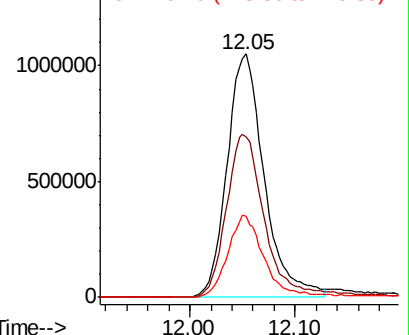
119 34.4 27.2 40.8



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: 9.818 ppbv

RT: 14.38 min Scan# 3605

Delta R.T. -0.03 min

Lab File: VL039112.D

Acq: 24 May 2022 9:48

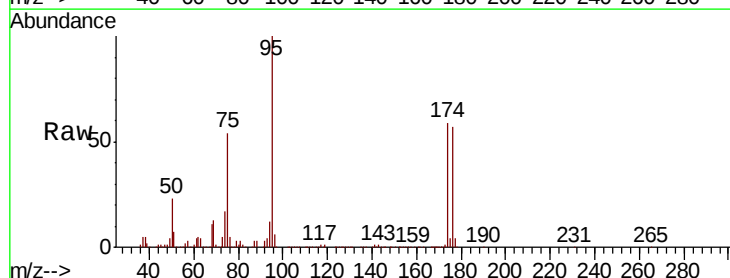
Tgt Ion: 95 Resp: 2005978

Ion Ratio Lower Upper

95 100

174 66.4 50.8 76.2

175 4.8 3.8 5.6



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

