

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082522\
 Data File : VL039594.D
 Acq On : 26 Aug 2022 1:41
 Operator : SY/AP
 Sample : OC081822 CAN 10315
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC082222 CAN 10743

Quant Time: Aug 26 06:28:08 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.20	49	989600	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	6.66	114	2570693	10.00	ppbv	0.00
55) Chlorobenzene-d5	11.47	117	2256531	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.78	95	1636309	9.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.10%

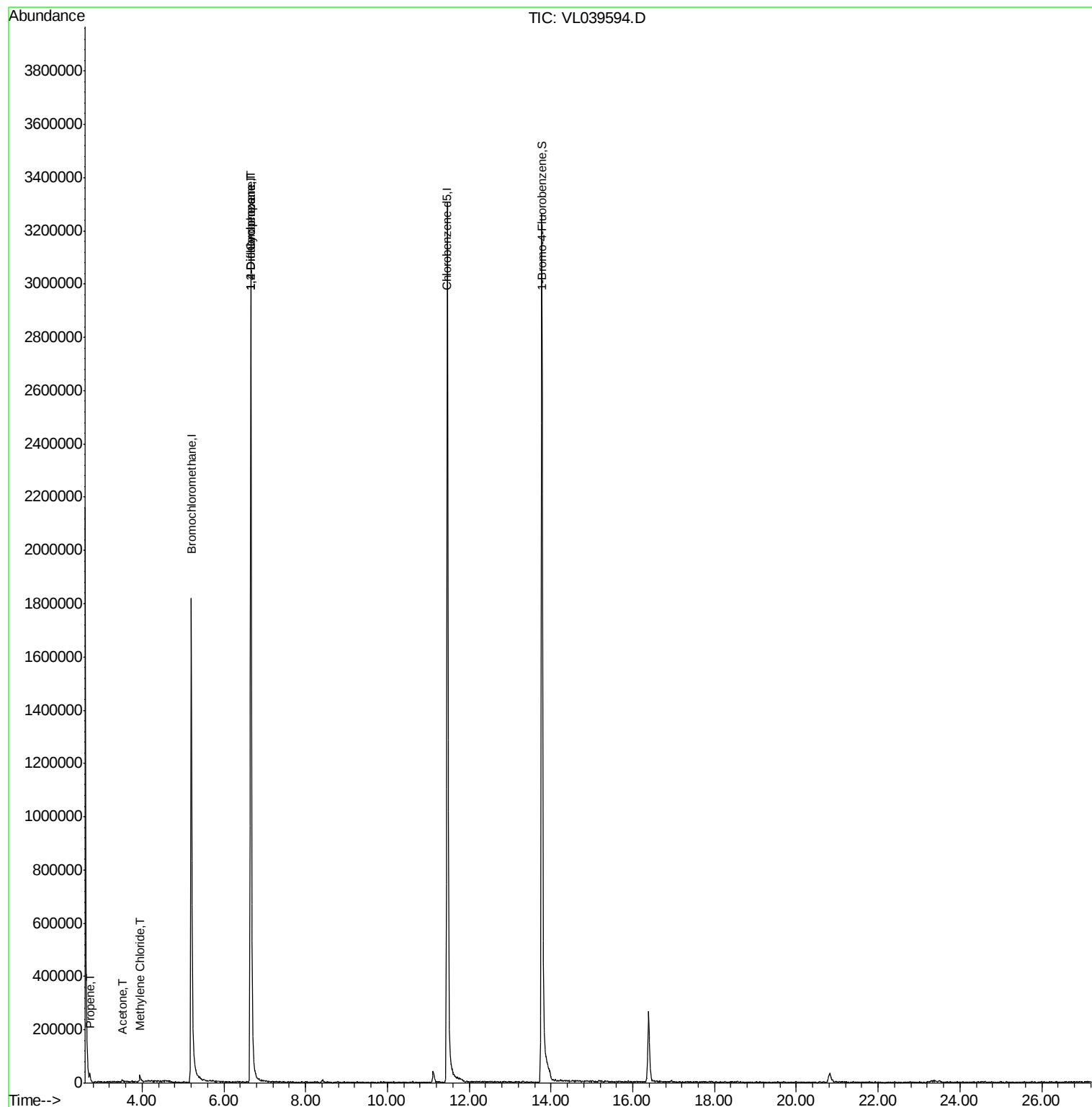
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.72	41	1748	0.032	ppbv #	15
15) Acetone	3.52	43	5921	0.053	ppbv #	65
20) Methylene Chloride	3.94	84	1887	0.042	ppbv #	85
30) Cyclohexane	6.65	84	3286	0.041	ppbv #	3
39) 1,2-Dichloropropane	6.66	63	619101	8.403	ppbv #	24

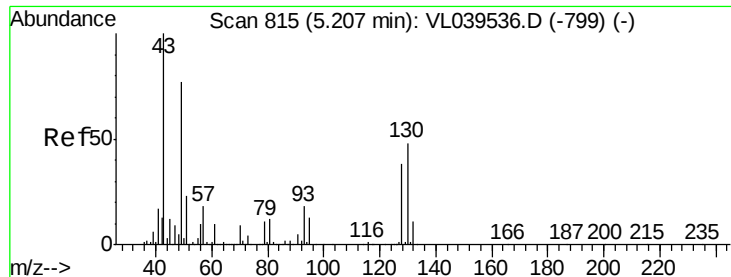
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.20 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

QC082222 CAN 10743

Acq: 26 Aug 2022 1:41

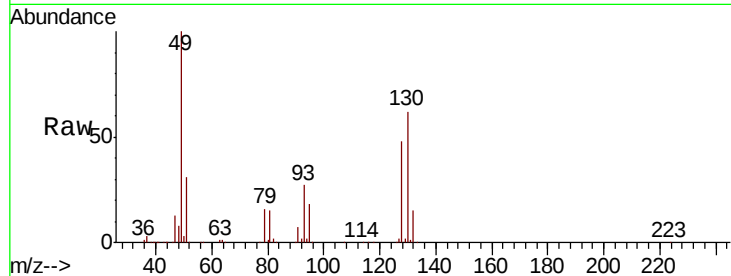
Tot Ion: 49 Resp: 989600

Ion Ratio Lower Upper

49 100

128 49.2 26.7 80.0

130 65.7 34.3 102.8



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

600000

500000

400000

300000

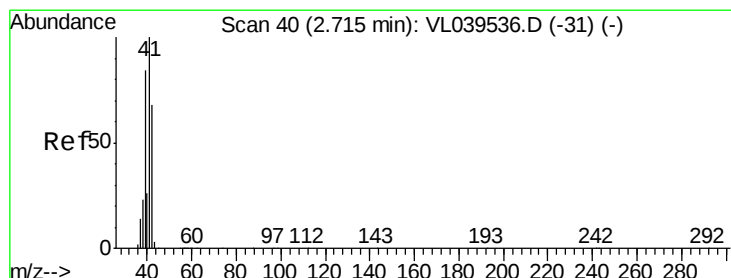
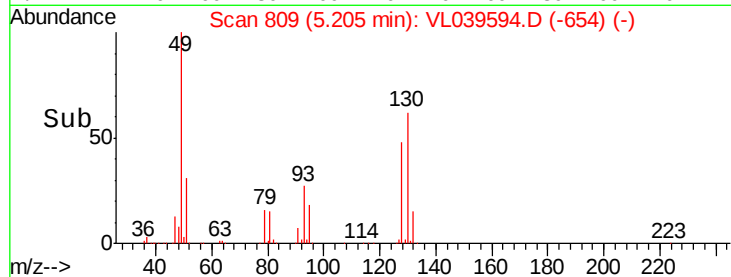
200000

100000

0

5.15 5.20 5.25 5.30

Time-->



#9

Propene

Concen: 0.032 ppbv

RT: 2.72 min Scan# 35

Delta R.T. 0.00 min

Lab File: VL039594.D

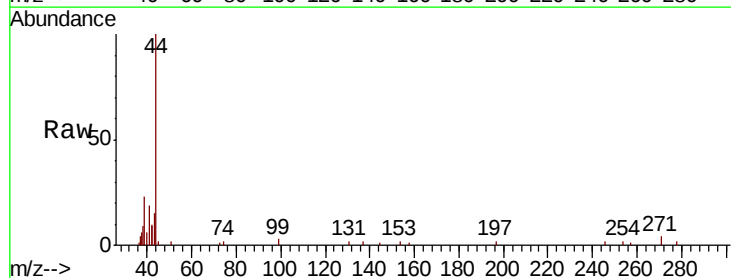
Acq: 26 Aug 2022 1:41

Tgt Ion: 41 Resp: 1748

Ion Ratio Lower Upper

41 100

42 0.0 55.2 82.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

5000

4000

3000

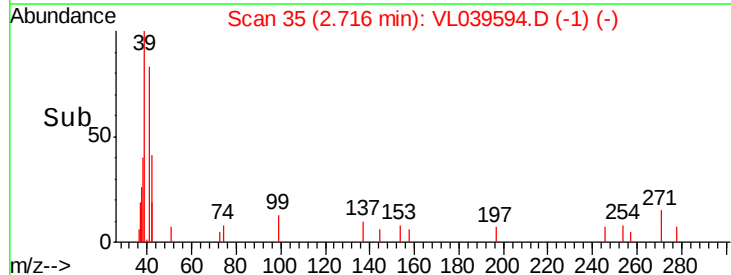
2000

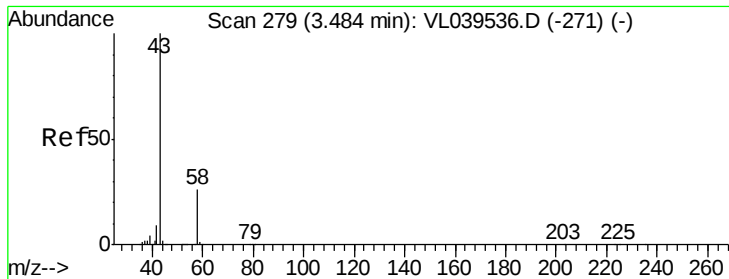
1000

0

2.70 2.71 2.72

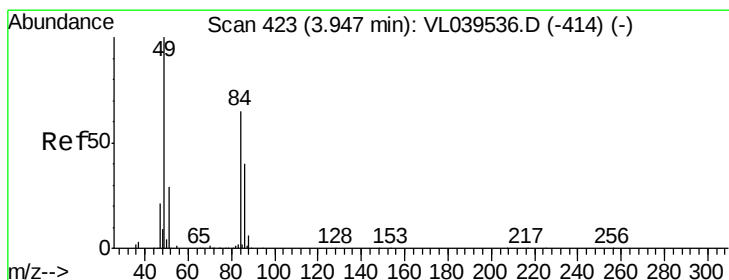
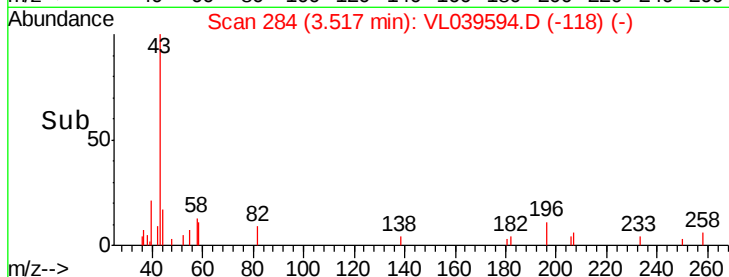
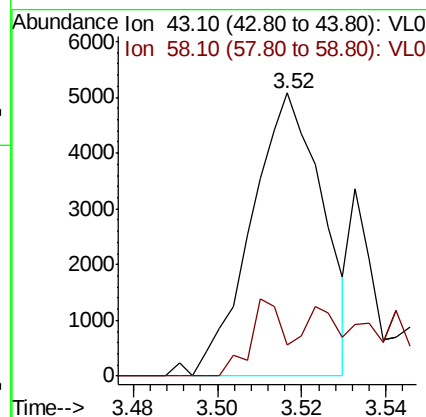
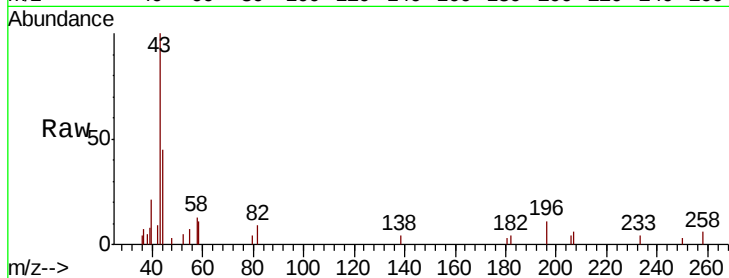
Time-->





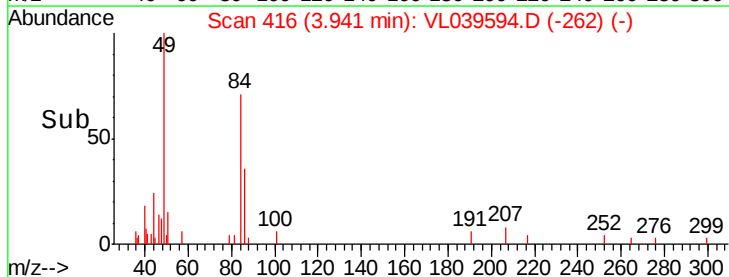
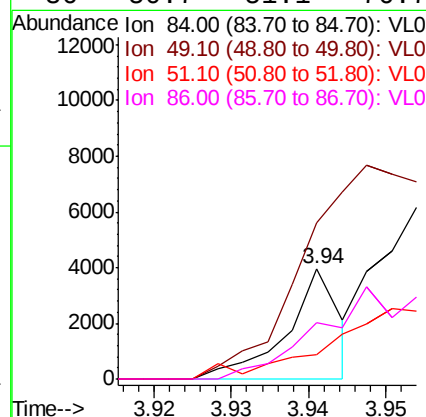
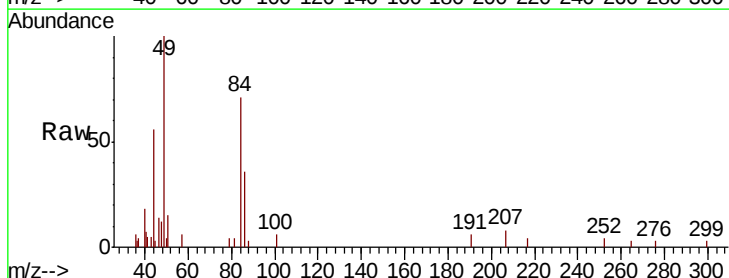
#15
Acetone
Concen: 0.053 ppbv
RT: 3.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
QC082222 CAN 10743
Acq: 26 Aug 2022 1:41

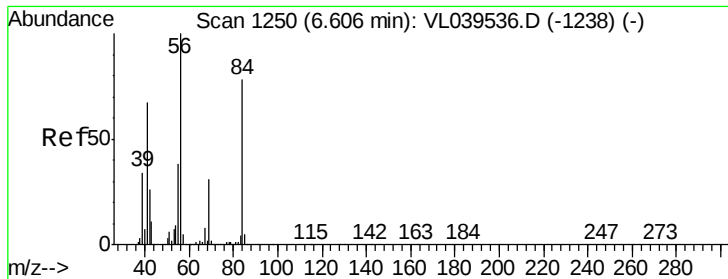
Tot Ion: 43 Resp: 5921
Ion Ratio Lower Upper
43 100
58 44.4 21.0 31.6#



#20
Methylene Chloride
Concen: 0.042 ppbv
RT: 3.94 min Scan# 416
Delta R.T. -0.01 min
Lab File: VL039594.D
Acq: 26 Aug 2022 1:41

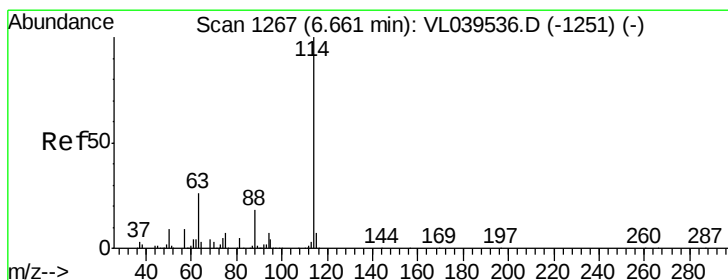
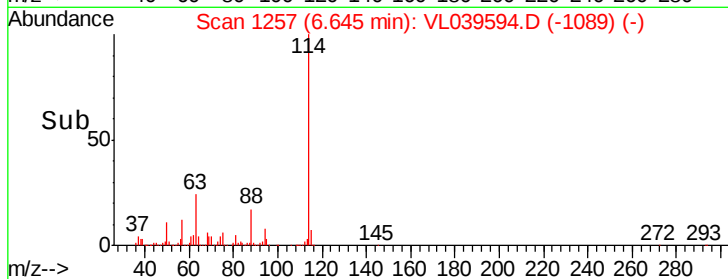
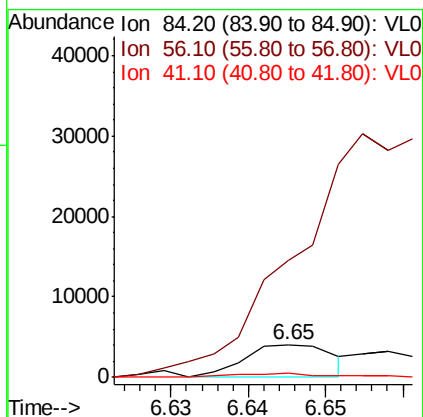
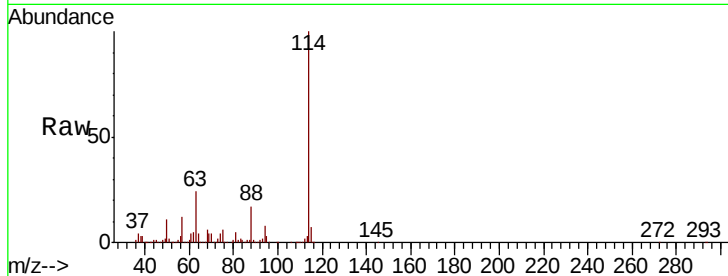
Tgt Ion: 84 Resp: 1887
Ion Ratio Lower Upper
84 100
49 141.7 123.1 184.7
51 21.9 34.4 51.6#
86 50.7 51.1 76.7#





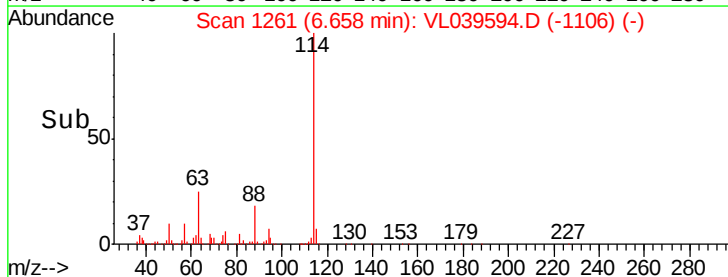
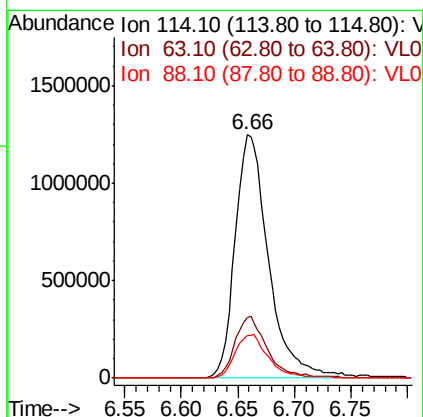
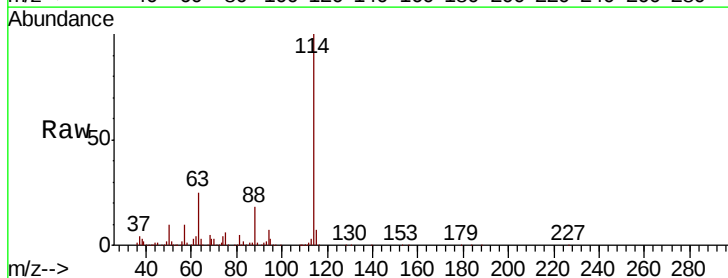
#30
Cvclohexane
Concen: 0.041 ppbv
RT: 6.65
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 26 Aug 2022 1:41
QC082222 CAN 10743

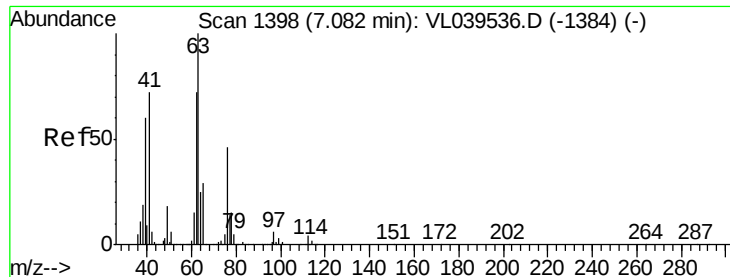
Tot Ion: 84 Resp: 3286
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 19.3 67.7 101.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.66 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VL039594.D
Acq: 26 Aug 2022 1:41

Tgt Ion: 114 Resp: 2570693
Ion Ratio Lower Upper
114 100
63 24.7 20.2 30.4
88 18.3 14.5 21.7





#39

1,2-Dichloropropane

Concen: 8.403 ppbv

RT: 6.66 Instrument: MSVOA_1

Delta R.T. 1.41

Lab File: ClientSampleId: QC082222 CAN 10743

Acq: 26 Aug 2022 1:41

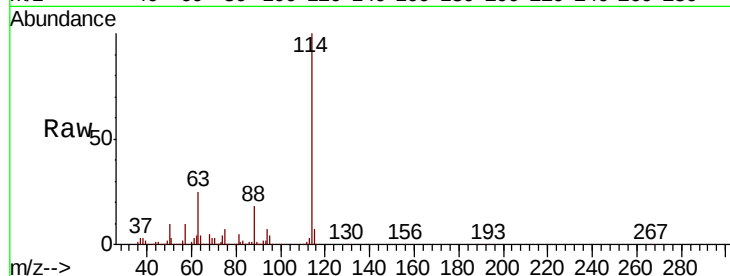
Tot Ion: 63 Resp: 619101

Ion Ratio Lower Upper

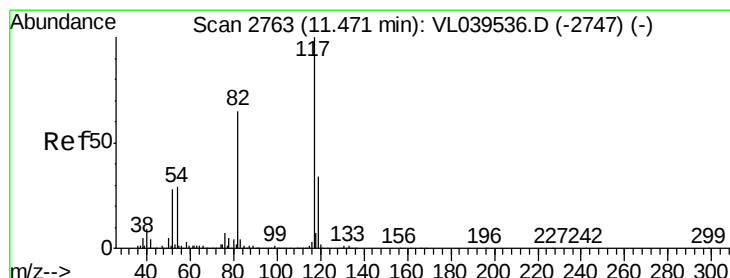
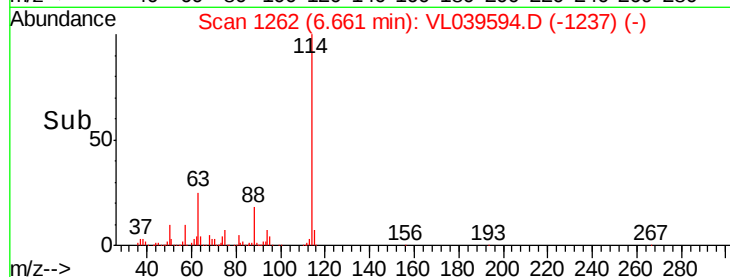
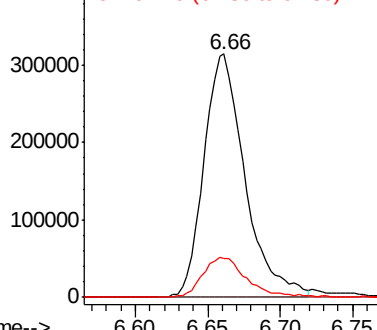
63 100

41 0.0 59.6 89.4#

62 16.0 51.4 77.0#



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: 11.47 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VL039594.D

Acq: 26 Aug 2022 1:41

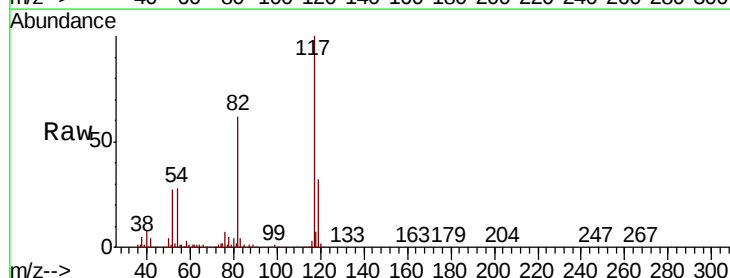
Tgt Ion: 117 Resp: 2256531

Ion Ratio Lower Upper

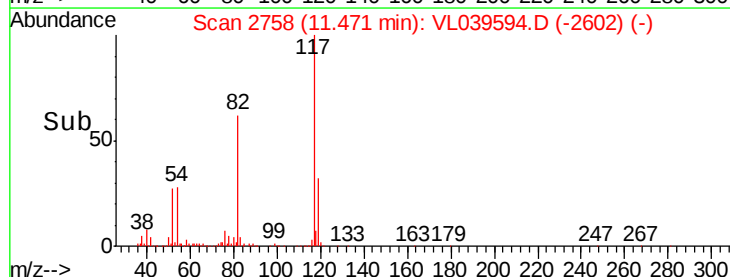
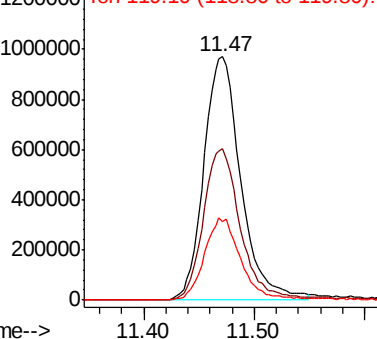
117 100

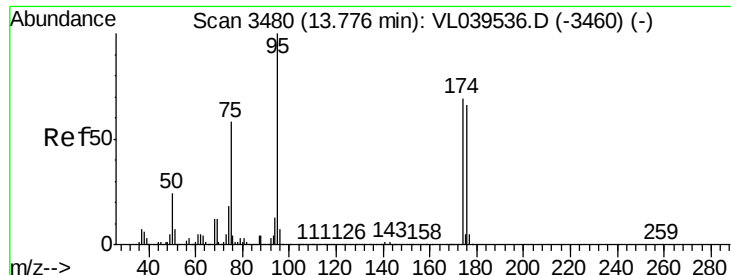
82 64.0 50.8 76.2

119 33.6 24.1 36.1



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: 9.612 ppbv

RT: 13.78

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

QC082222 CAN 10743

Acq: 26 Aug 2022 1:41

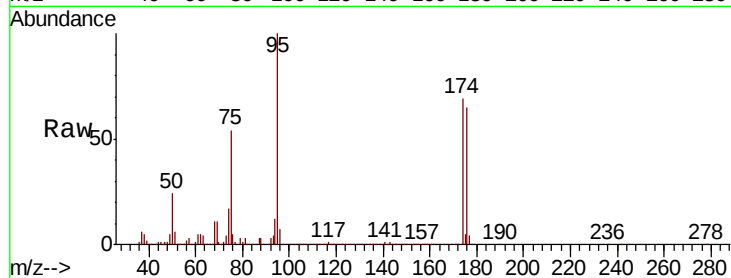
Tot Ion: 95 Resp: 1636309

Ion Ratio Lower Upper

95 100

174 72.2 55.9 83.9

175 5.4 4.2 6.4



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

