

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL022422\  
 Data File : VL038432.D  
 Acq On : 24 Feb 2022 12:36  
 Operator : SY/AP  
 Sample : VL0224ABL01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0224ABL01

Quant Time: Feb 25 00:42:10 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL022222AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Feb 22 19:45:51 2022  
 QLast Update : Tue Feb 22 19:45:51 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.64  | 49   | 847582   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.14  | 114  | 1961471  | 10.00 | ppbv  | -0.02    |
| 55) Chlorobenzene-d5    | 12.04 | 117  | 1650136  | 10.00 | ppbv  | -0.02    |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.37  | 95    | 1322547  | 9.69     | ppbv | -0.02  |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 96.90% |

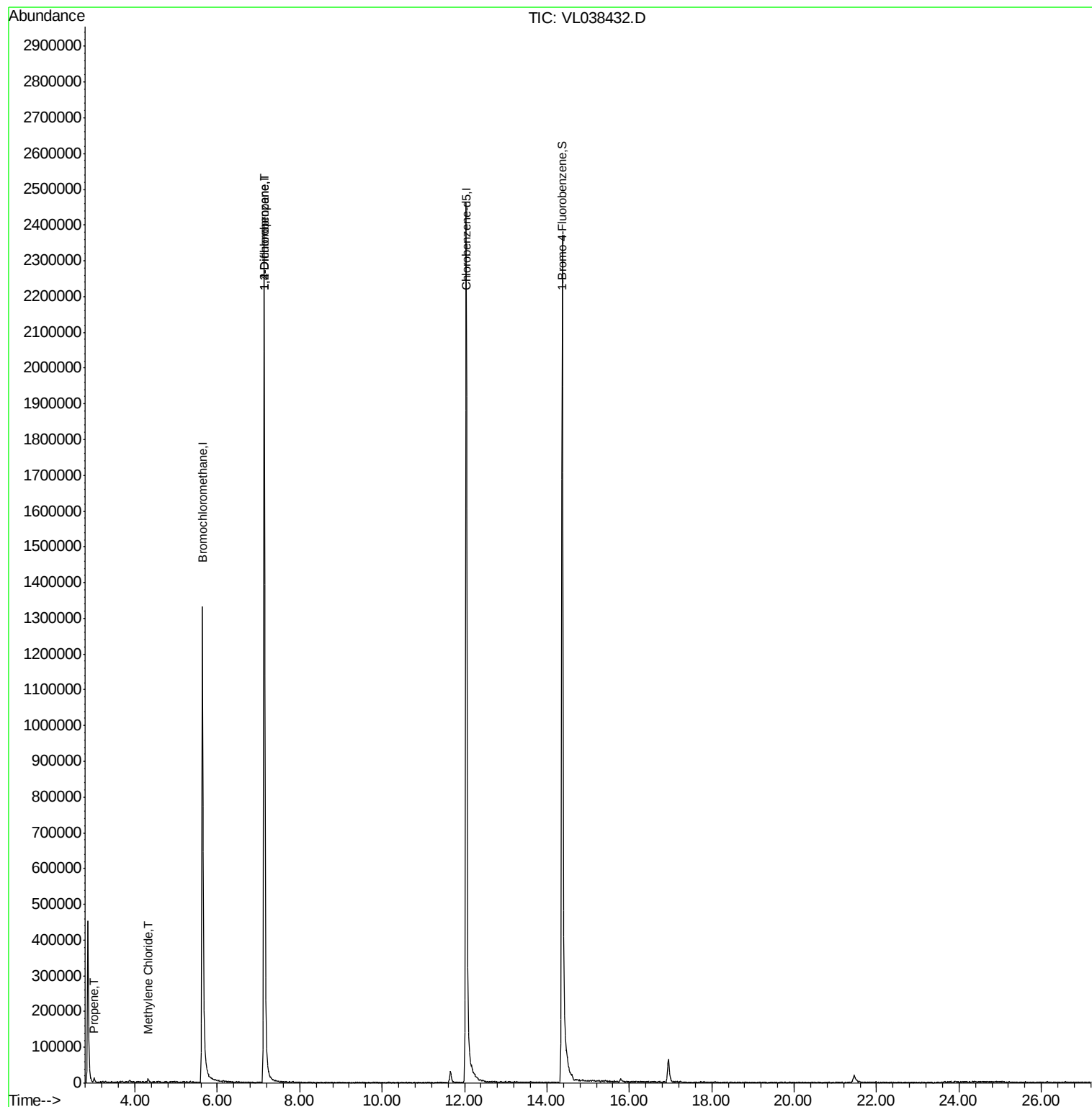
| Target Compounds        | R.T. | QIon | Response | Conc | Units  | Qvalue |
|-------------------------|------|------|----------|------|--------|--------|
| 9) Propene              | 3.00 | 41   | 1790     | 0.04 | ppbv # | 1      |
| 20) Methylene Chloride  | 4.33 | 84   | 1260     | 0.04 | ppbv # | 66     |
| 39) 1,2-Dichloropropane | 7.14 | 63   | 511773   | 7.44 | ppbv # | 25     |

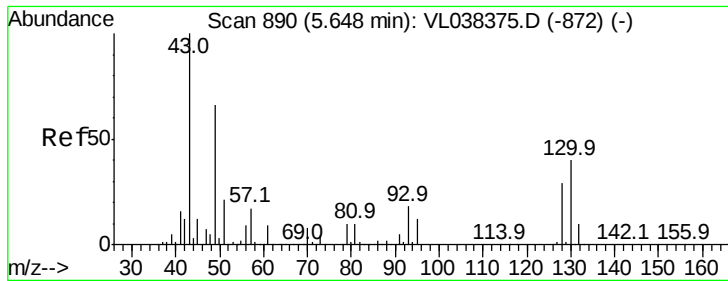
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_L\METHODS\VL02222AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Feb 22 19:45:51 2022  
QLast Update : Tue Feb 22 19:45:51 2022  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.64 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: VL0224ABL01

Acq: 24 Feb 2022 12:30

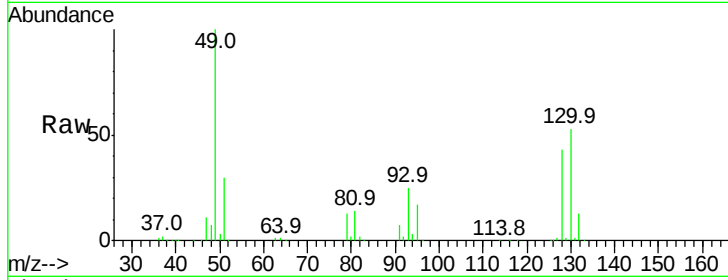
Tgt Ion: 49 Resp: 847582

Ion Ratio Lower Upper

49 100

128 45.5 24.3 72.9

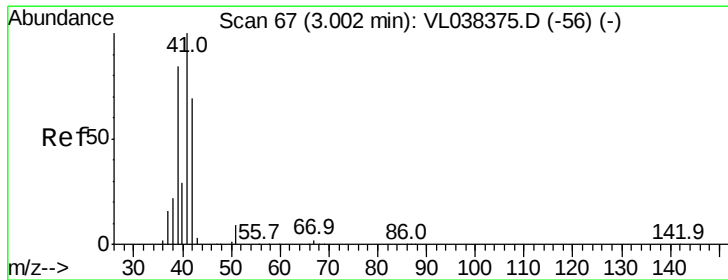
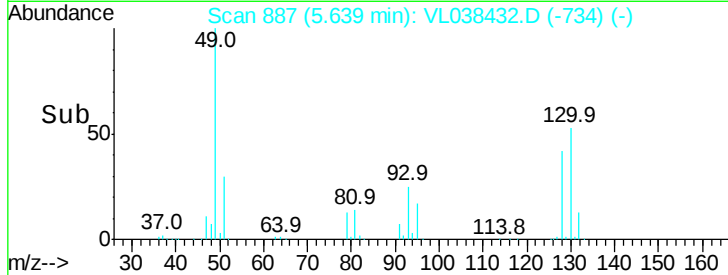
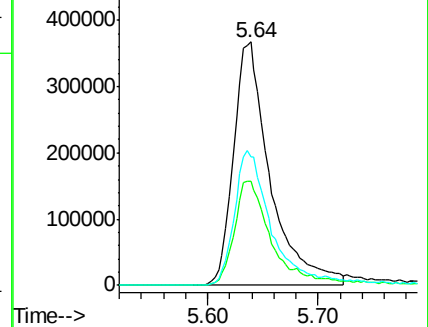
130 57.2 30.1 90.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.04 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL038432.D

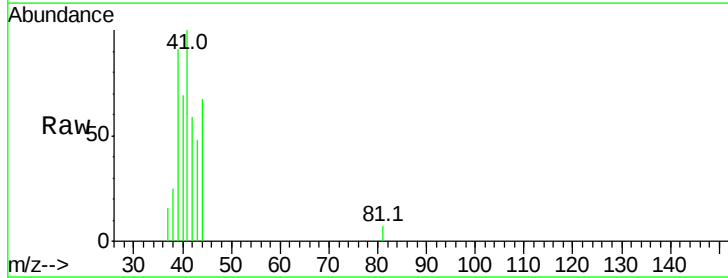
Acq: 24 Feb 2022 12:36

Tgt Ion: 41 Resp: 1790

Ion Ratio Lower Upper

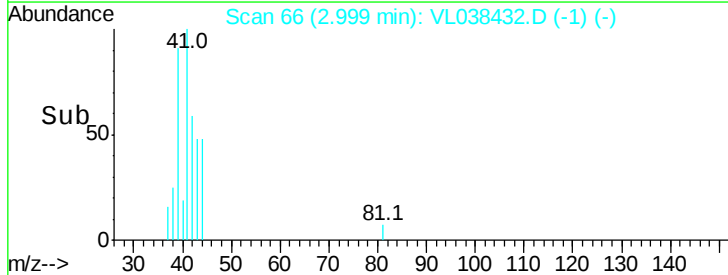
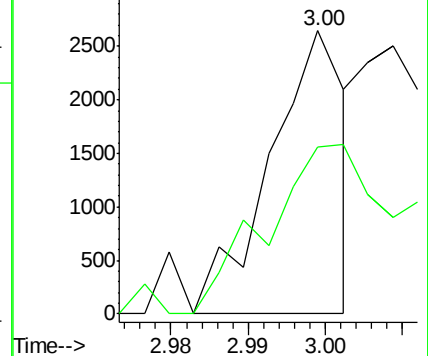
41 100

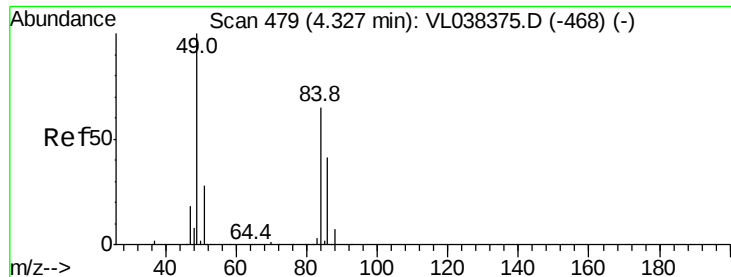
42 148.5 54.6 82.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

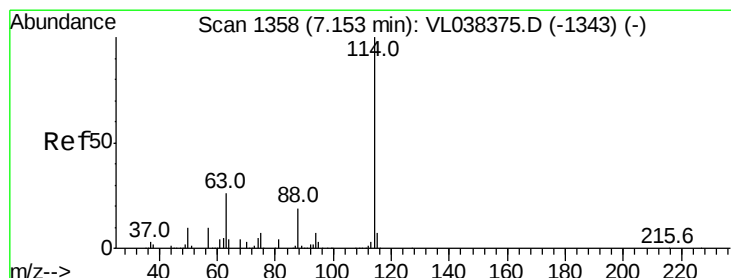
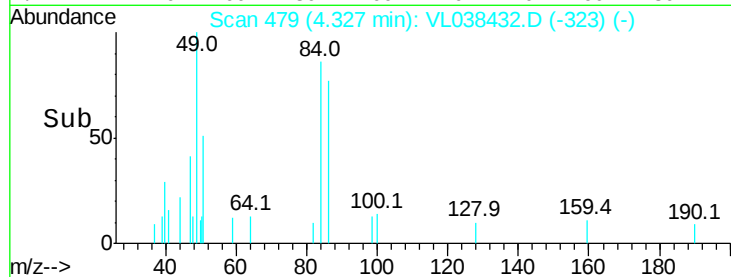
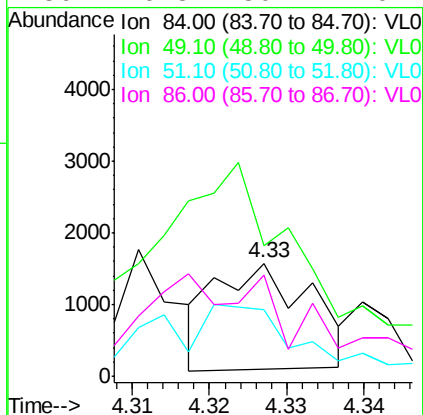
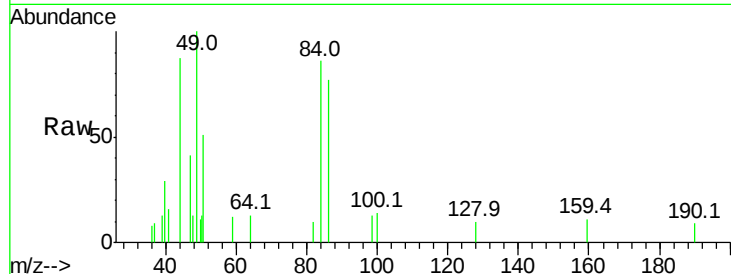
Ion 42.10 (41.80 to 42.80): VL0





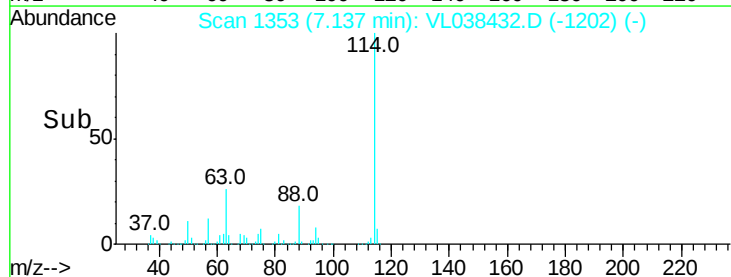
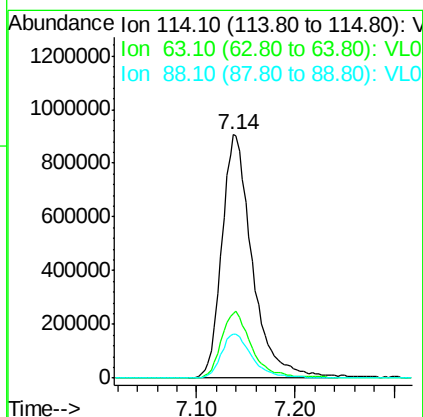
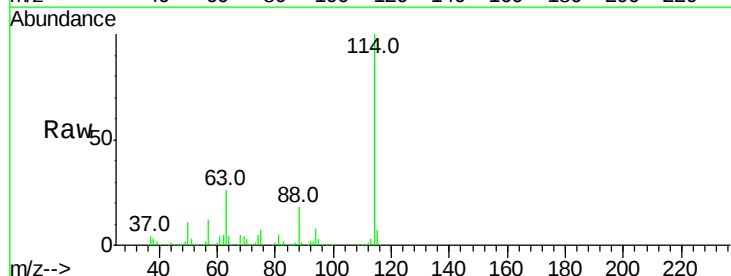
#20  
Methylene Chloride  
Concen: 0.04 ppbv  
RT: 4.33  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
VL0224ABL01  
Acq: 24 Feb 2022 12:36

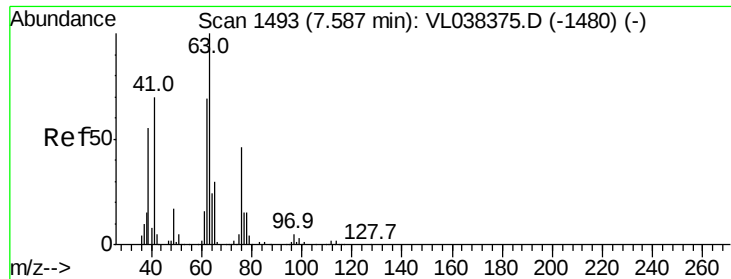
Tgt Ion: 84 Resp: 1260  
Ion Ratio Lower Upper  
84 100  
49 137.5 122.4 183.6  
51 82.0 33.3 49.9#  
86 116.8 50.7 76.1#



#33  
1,4-Difluorobenzene  
Concen: 10.00 ppbv  
RT: 7.14 min Scan# 1353  
Delta R.T. -0.02 min  
Lab File: VL038432.D  
Acq: 24 Feb 2022 12:36

Tgt Ion: 114 Resp: 1961471  
Ion Ratio Lower Upper  
114 100  
63 27.8 22.2 33.2  
88 18.8 15.2 22.8





#39

1,2-Dichloropropane

Concen: 7.44 ppbv

RT: 7.14 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

VL0224ABL01

Acq: 24 Feb 2022 12:30

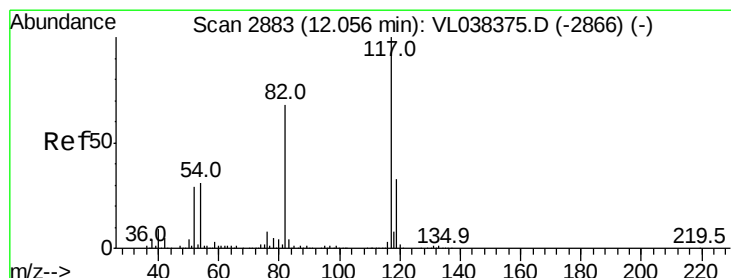
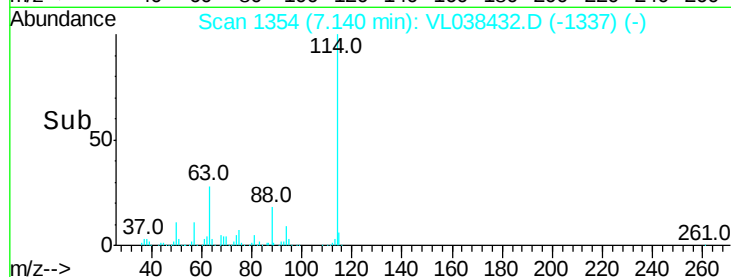
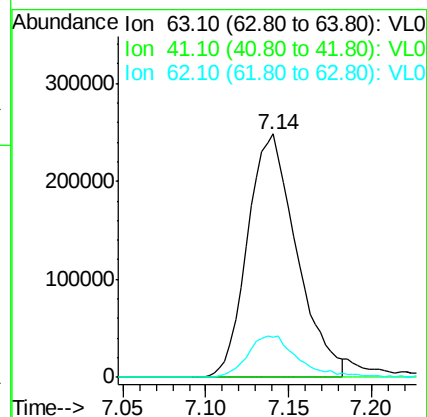
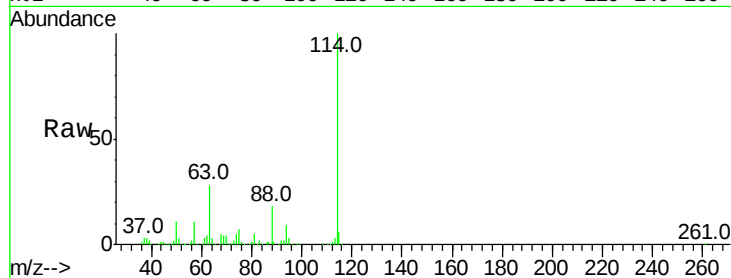
Tgt Ion: 63 Resp: 511773

Ion Ratio Lower Upper

63 100

41 0.0 56.1 84.1#

62 16.3 55.5 83.3#



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.04 min Scan# 2878

Delta R.T. -0.02 min

Lab File: VL038432.D

Acq: 24 Feb 2022 12:36

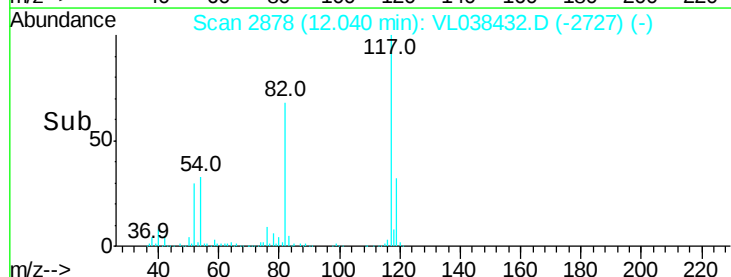
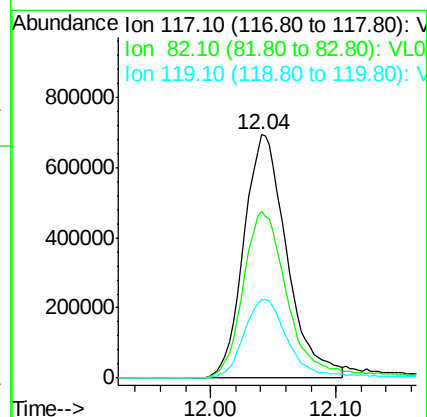
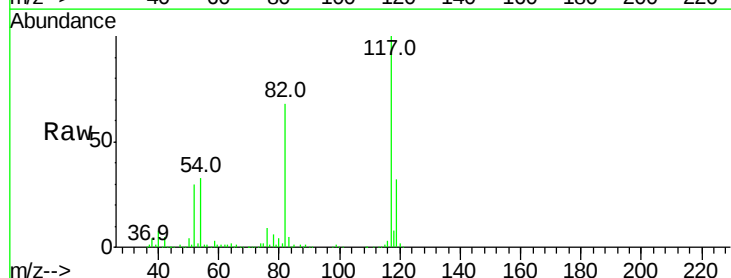
Tgt Ion: 117 Resp: 1650136

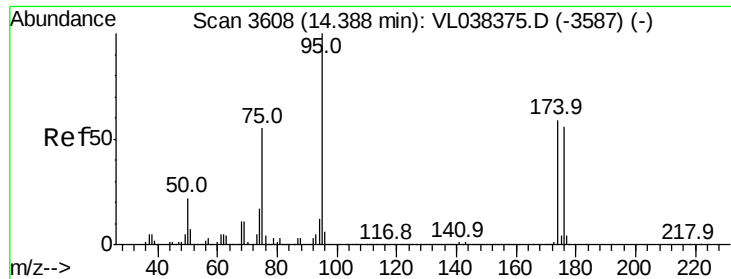
Ion Ratio Lower Upper

117 100

82 74.2 54.9 82.3

119 34.5 46.1 69.1#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.69 ppbv

RT: 14.37

Delta R.T: MSVOA\_L

Lab File: ClientSampleId :

Acq: 24 Feb 2022 12:30

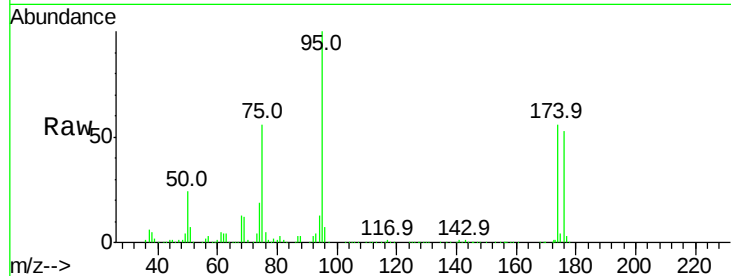
Tgt Ion: 95 Resp: 1322547

Ion Ratio Lower Upper

95 100

174 61.6 49.0 73.4

175 4.1 3.6 5.4



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

