

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL032422\  
 Data File : VL038760.D  
 Acq On : 25 Mar 2022 11:01  
 Operator : SY/AP  
 Sample : VIBLK  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VIBLK

Quant Time: Mar 25 23:21:21 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL032122AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Mar 21 17:09:26 2022  
 QLast Update : Mon Mar 21 17:09:26 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.69  | 49   | 770082   | 10.00 | ppbv  | 0.03     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 2078795  | 10.00 | ppbv  | 0.03     |
| 55) Chlorobenzene-d5    | 12.11 | 117  | 1738460  | 10.00 | ppbv  | 0.04     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.44  | 95    | 1347134  | 10.11    | ppbv | 0.04    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.10% |

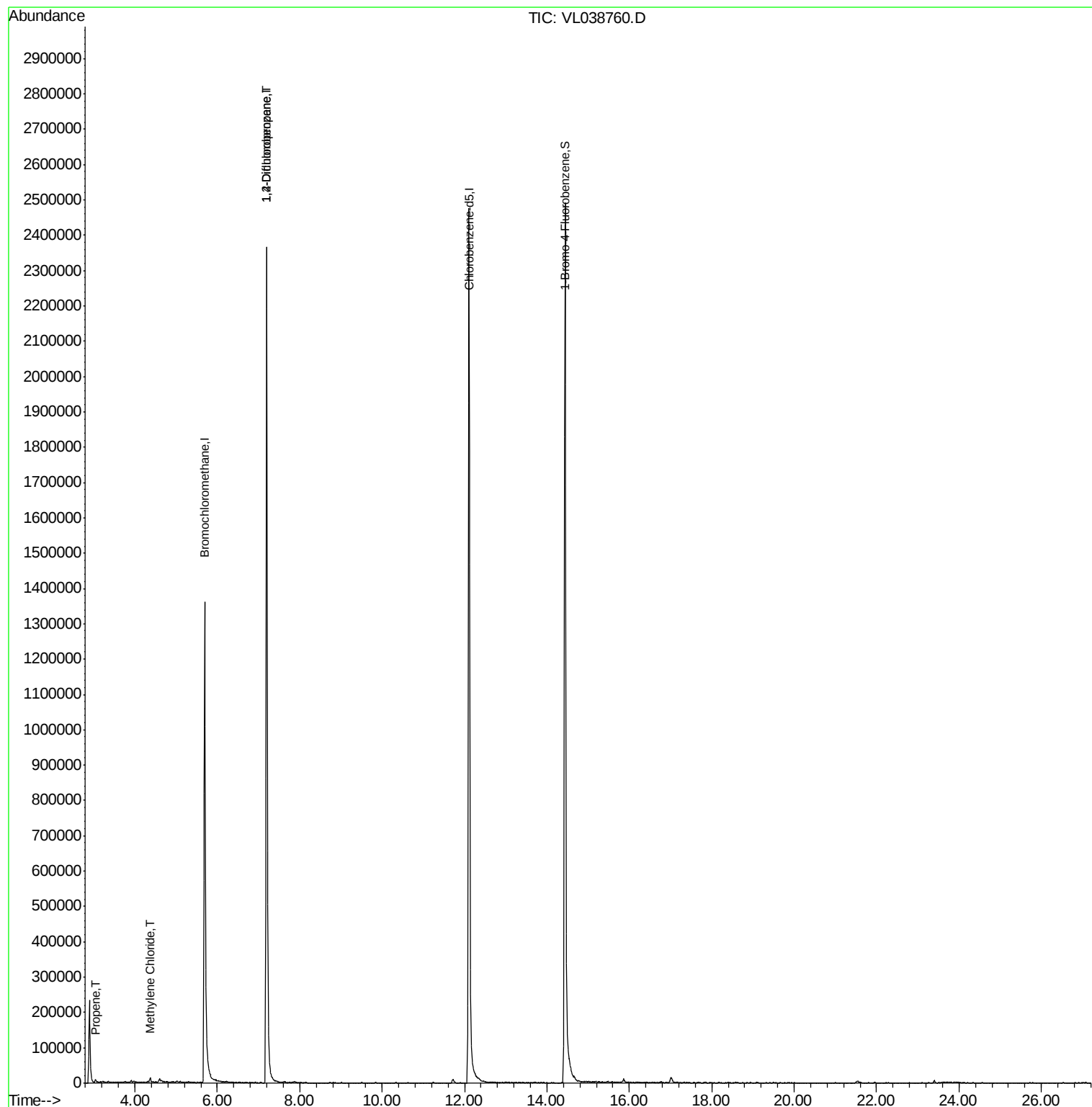
| Target Compounds        | R.T. | QIon | Response | Conc | Units  | Qvalue |
|-------------------------|------|------|----------|------|--------|--------|
| 9) Propene              | 3.03 | 41   | 1635     | 0.04 | ppbv # | 41     |
| 20) Methylene Chloride  | 4.37 | 84   | 2709     | 0.10 | ppbv # | 77     |
| 39) 1,2-Dichloropropane | 7.20 | 63   | 482916   | 7.70 | ppbv # | 28     |

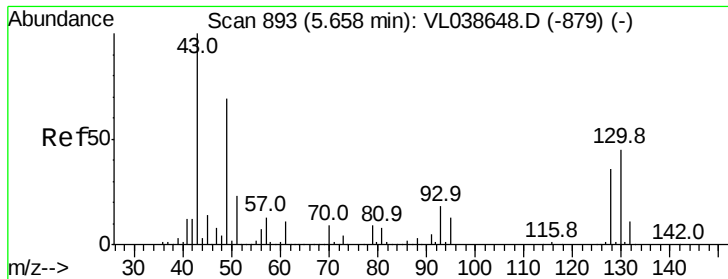
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_L\DATA\VL032422\  
Data File : VL038760.D  
Acq On : 25 Mar 2022 11:01  
Operator : SY/AP  
Sample : VIBLK  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VIBLK

Quant Time: Mar 25 23:21:21 2022  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_L\METHODS\VL032122AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Mar 21 17:09:26 2022  
QLast Update : Mon Mar 21 17:09:26 2022  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.69 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: VIBLK

Acq: 25 Mar 2022 11:01

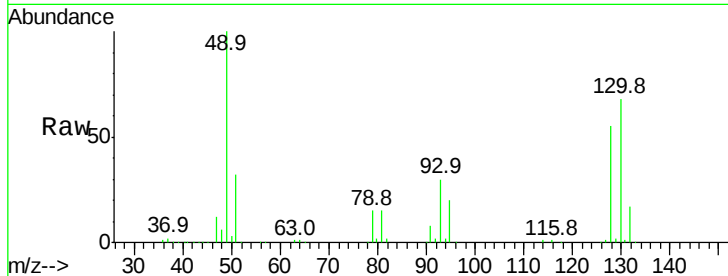
Tgt Ion: 49 Resp: 770082

Ion Ratio Lower Upper

49 100

128 56.9 26.2 78.6

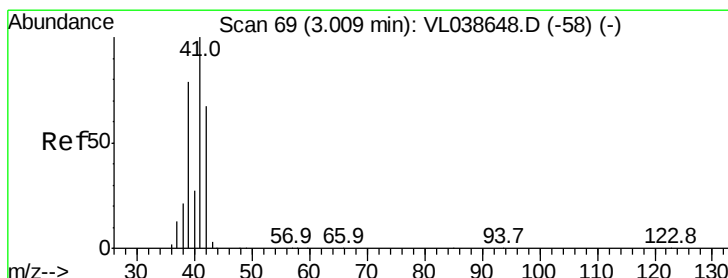
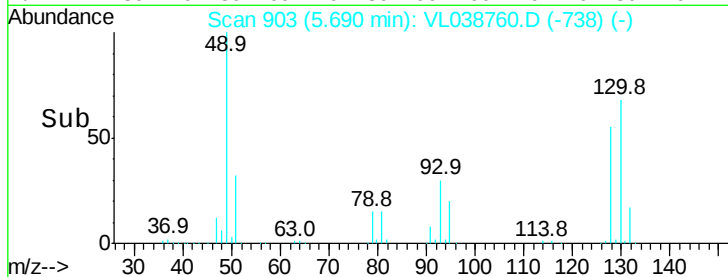
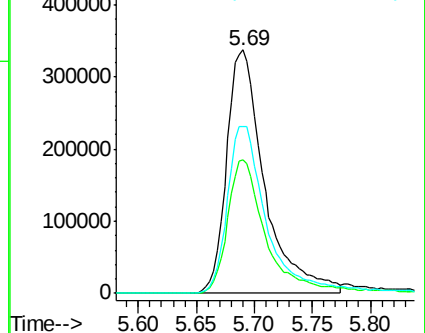
130 74.1 33.7 101.1



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: 0.04 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.03 min

Lab File: VL038760.D

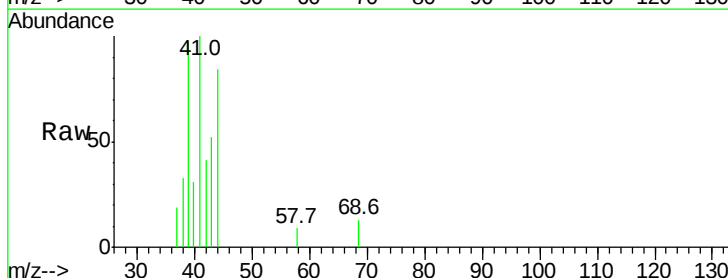
Acq: 25 Mar 2022 11:01

Tgt Ion: 41 Resp: 1635

Ion Ratio Lower Upper

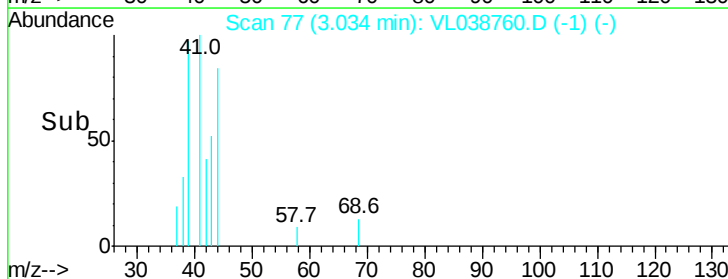
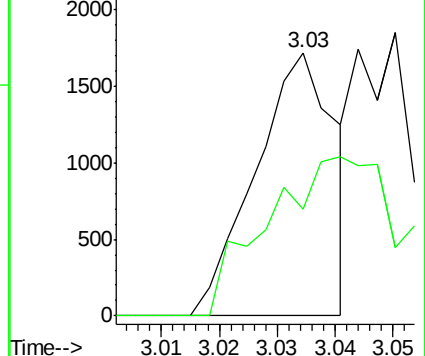
41 100

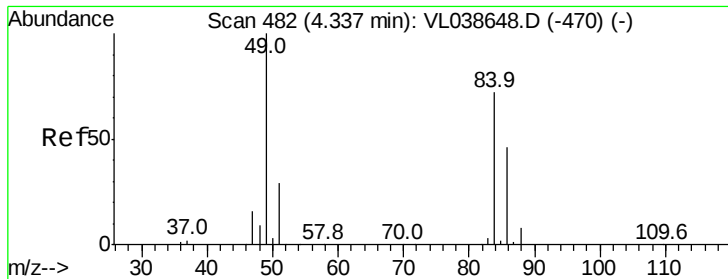
42 118.7 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#20

Methylene Chloride

Concen: 0.10 ppbv

RT: 4.37 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 25 Mar 2022 11:01

Tgt Ion: 84 Resp: 2709

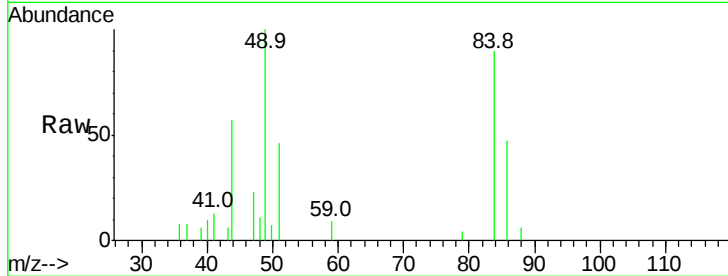
Ion Ratio Lower Upper

84 100

49 103.9 111.2 166.8#

51 51.4 32.8 49.2#

86 52.7 51.4 77.0

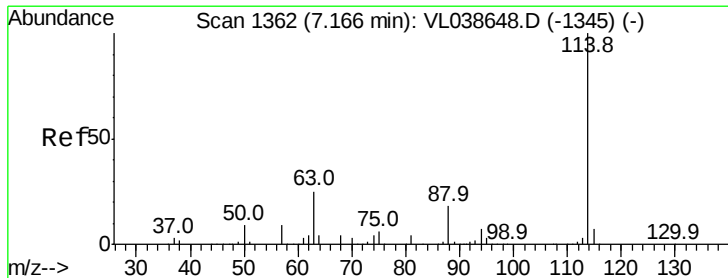
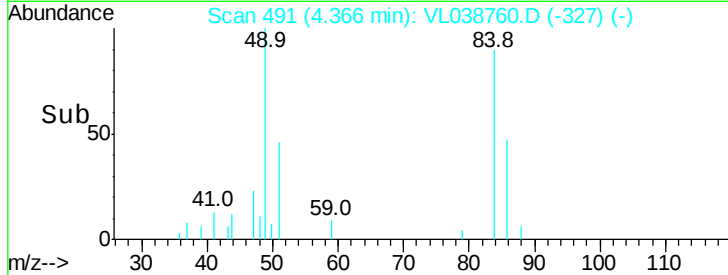
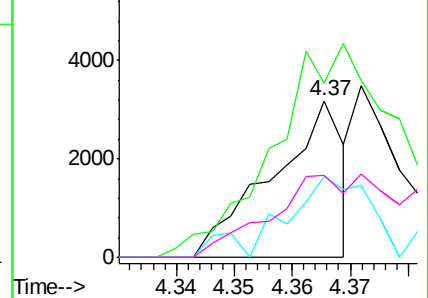


Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 10.00 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. 0.03 min

Lab File: VL038760.D

Acq: 25 Mar 2022 11:01

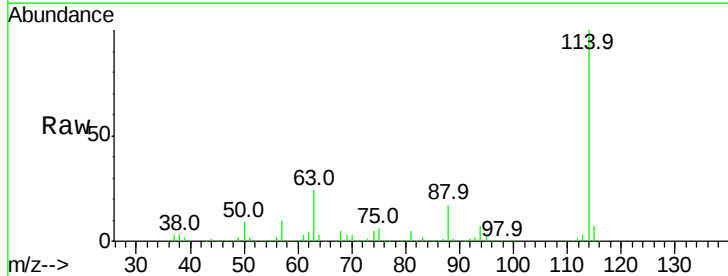
Tgt Ion: 114 Resp: 2078795

Ion Ratio Lower Upper

114 100

63 23.7 19.4 29.0

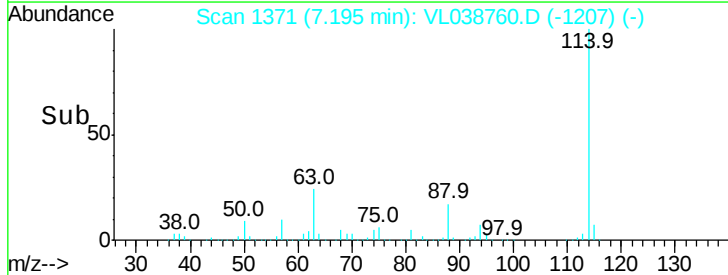
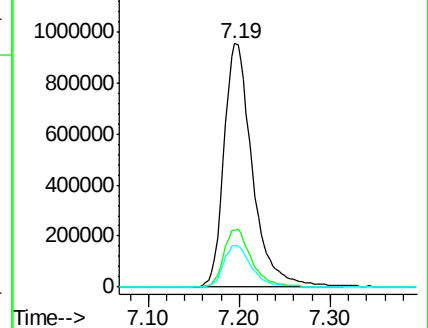
88 17.1 13.9 20.9

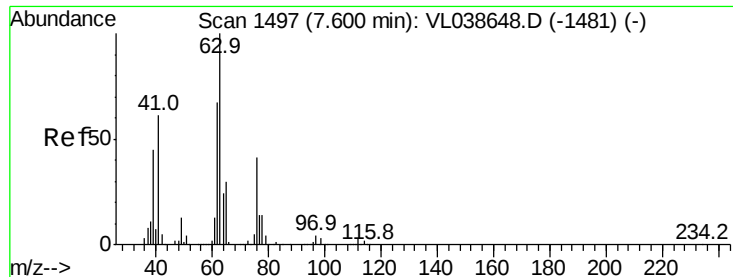


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

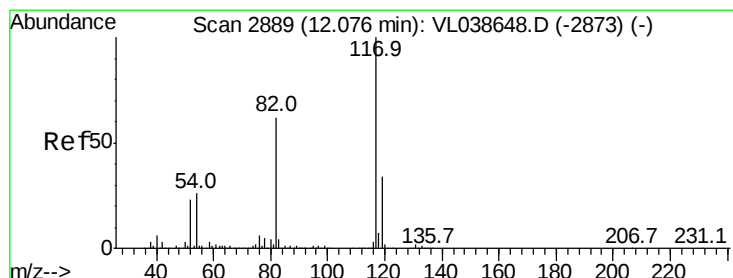
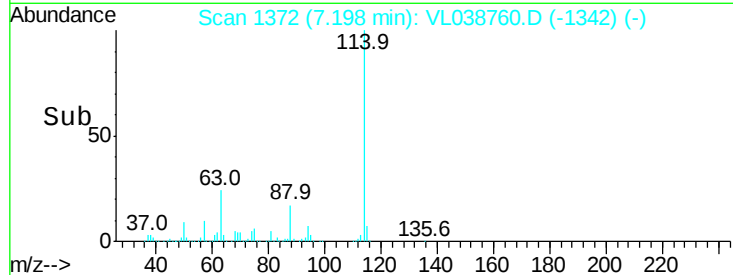
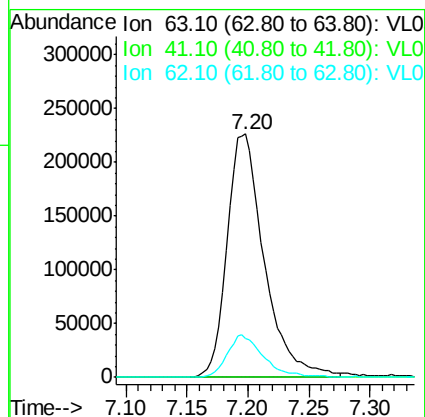
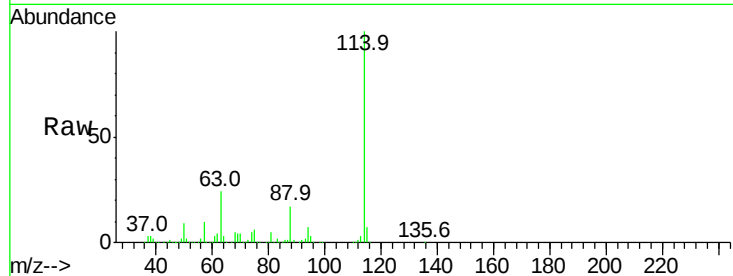
Ion 88.10 (87.80 to 88.80): VL0





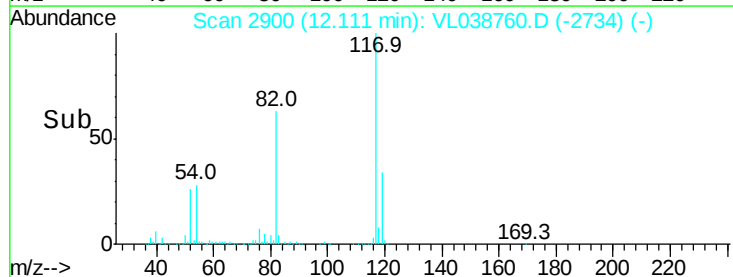
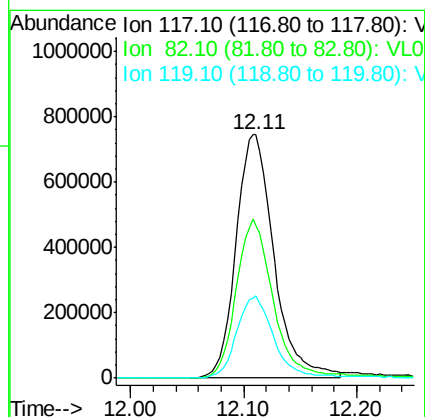
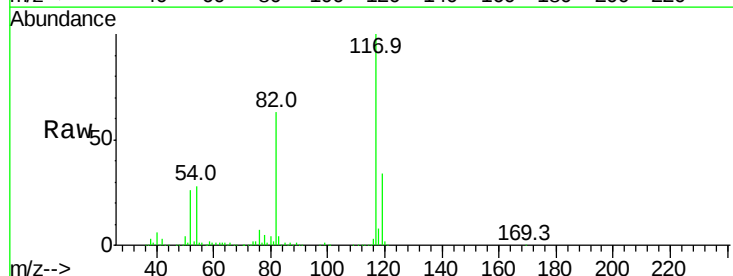
#39  
 1,2-Dichloropropane  
 Concen: 7.70 ppbv  
 RT: 7.20  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 25 Mar 2022 11:01

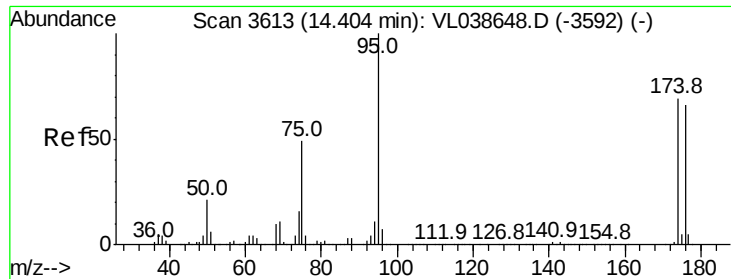
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 41      | 0.1   | 49.0  | 73.6# |
| 62      | 16.1  | 53.9  | 80.9# |



#55  
 Chlorobenzene-d5  
 Concen: 10.00 ppbv  
 RT: 12.11 min Scan# 2900  
 Delta R.T. 0.04 min  
 Lab File: VL038760.D  
 Acq: 25 Mar 2022 11:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 66.1  | 51.6  | 77.4  |
| 119     | 34.1  | 26.9  | 40.3  |





#68

1-Bromo-4-Fluorobenzene

Concen: 10.11 ppbv

RT: 14.44

Delta R.T: MSVOA\_L

Lab File: ClientSampleId :

Acq: 25 Mar 2022 11:01

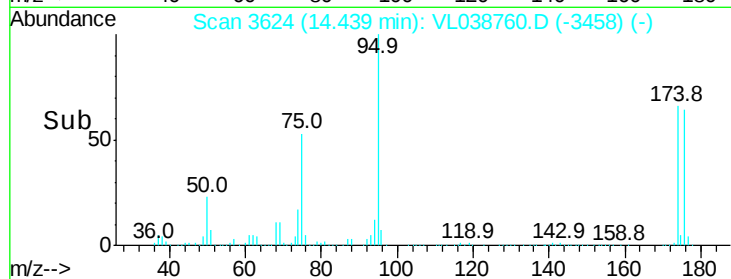
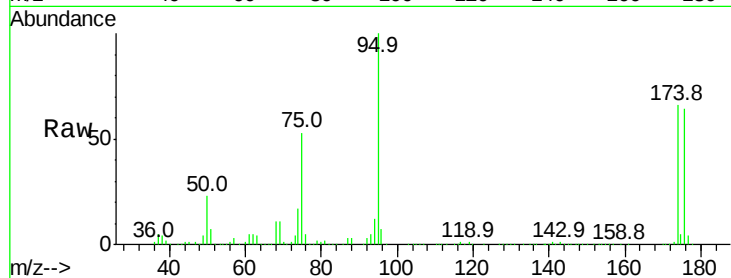
Tgt Ion: 95 Resp: 1347134

Ion Ratio Lower Upper

95 100

174 69.2 56.1 84.1

175 5.0 4.2 6.2



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

