

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030422\  
 Data File : VL038549.D  
 Acq On : 5 Mar 2022 00:30  
 Operator : SY/AP  
 Sample : CAN 10321  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Mar 05 05:00:40 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   | 910263   | 10.00 | ppbv  | -0.01    |
| 33) 1,4-Difluorobenzene | 7.14  | 114  | 2065153  | 10.00 | ppbv  | -0.01    |
| 55) Chlorobenzene-d5    | 12.04 | 117  | 1738670  | 10.00 | ppbv  | -0.01    |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.37  | 95    | 1342879  | 9.33     | ppbv | -0.02  |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 93.30% |

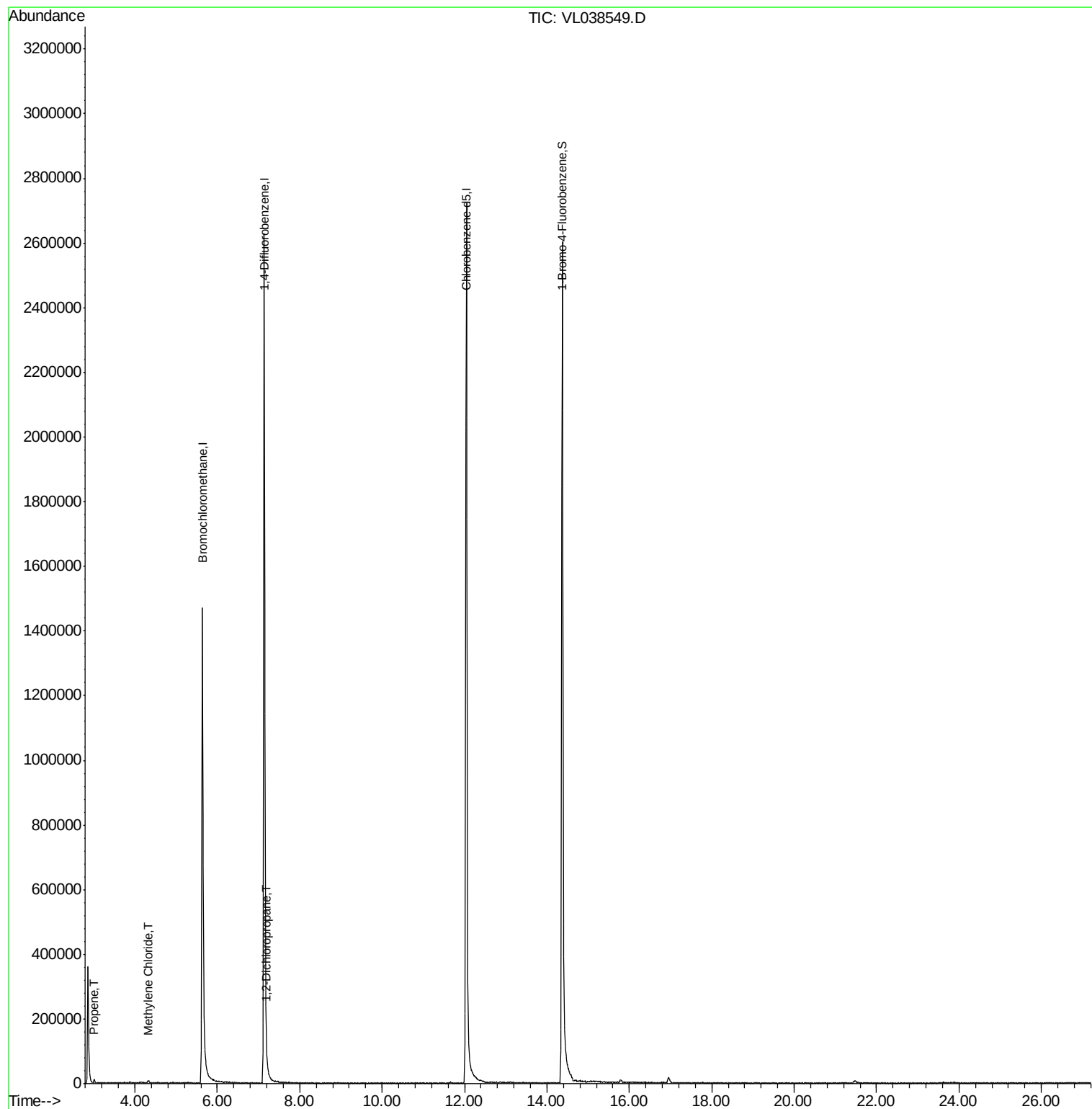
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 9) Propene              | 3.01 | 41   | 2314     | 0.044 | ppbv   | 86     |
| 20) Methylene Chloride  | 4.32 | 84   | 1384     | 0.036 | ppbv # | 56     |
| 39) 1,2-Dichloropropane | 7.20 | 63   | 6061     | 0.084 | ppbv # | 29     |

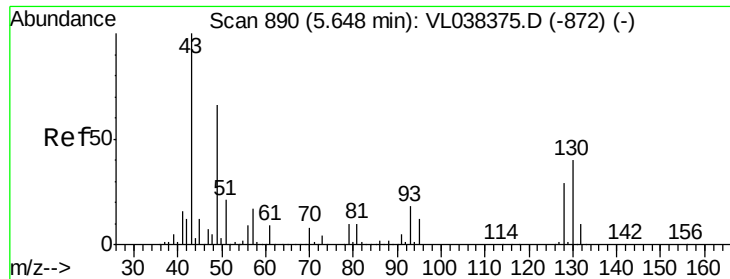
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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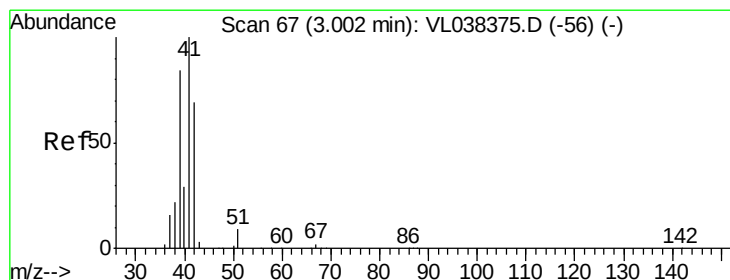
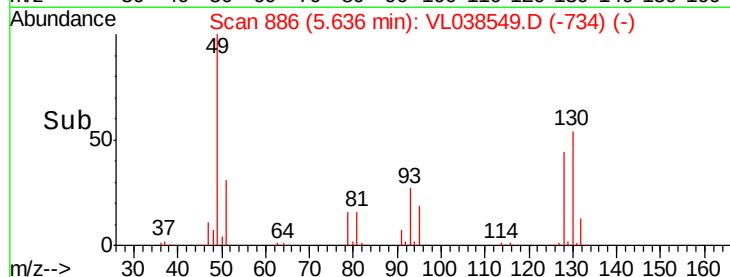
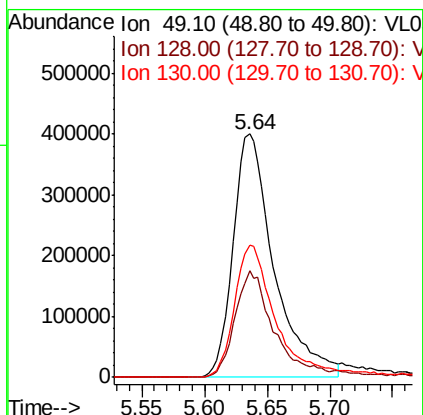
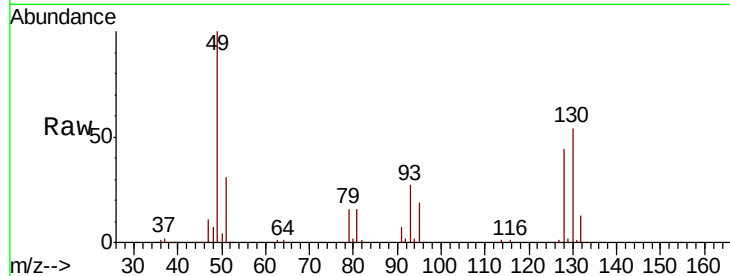
Quant Time: Mar 05 05:00:40 2022  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022222AIR.M  
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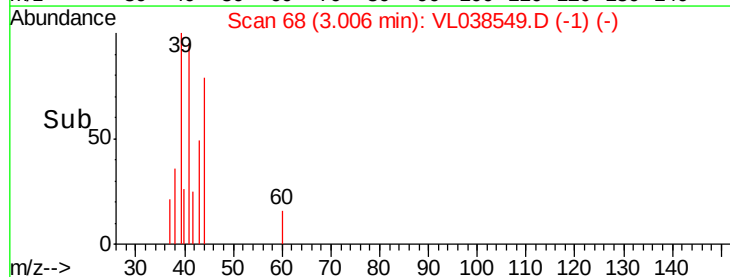
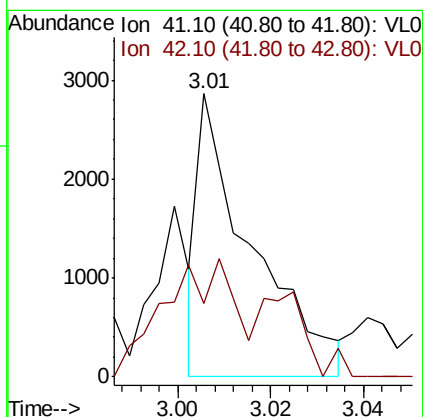
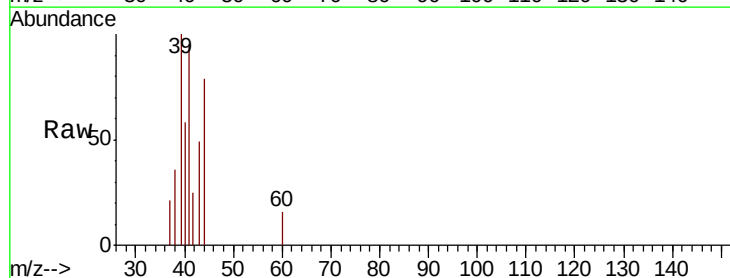
#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.64  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId :  
 Acq: 5 Mar 2022 00:30

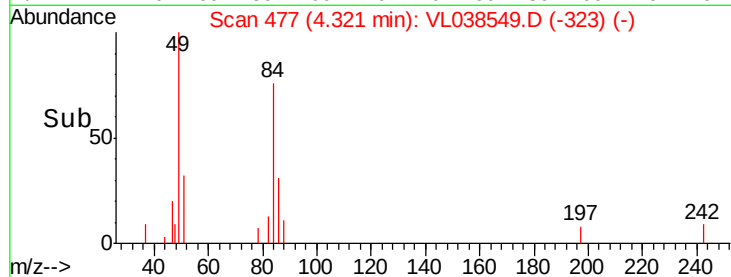
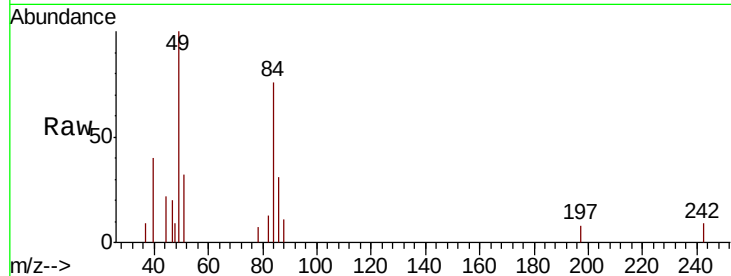
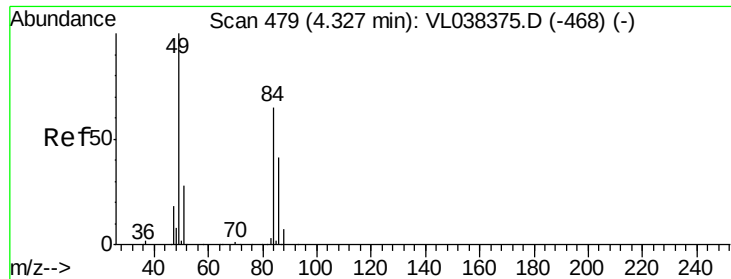
Tot Ion: 49 Resp: 910263  
 Ion Ratio Lower Upper  
 49 100  
 128 44.2 24.3 72.9  
 130 57.2 30.1 90.5



#9  
 Propene  
 Concen: 0.044 ppbv  
 RT: 3.01 min Scan# 68  
 Delta R.T.: 0.00 min  
 Lab File: VL038549.D  
 Acq: 5 Mar 2022 00:30

Tgt Ion: 41 Resp: 2314  
 Ion Ratio Lower Upper  
 41 100  
 42 79.9 54.6 82.0





#20

Methylene Chloride

Concen: 0.036 ppbv

RT: 4.32 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 5 Mar 2022 00:30

Tot Ion: 84 Resp: 1384

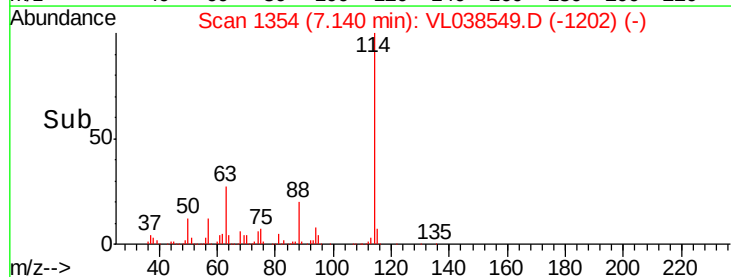
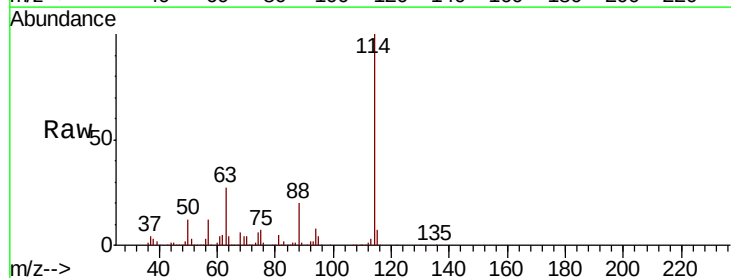
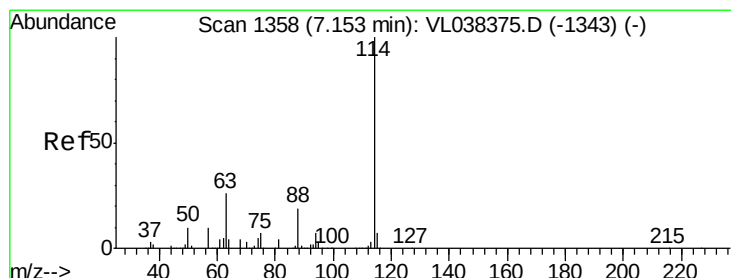
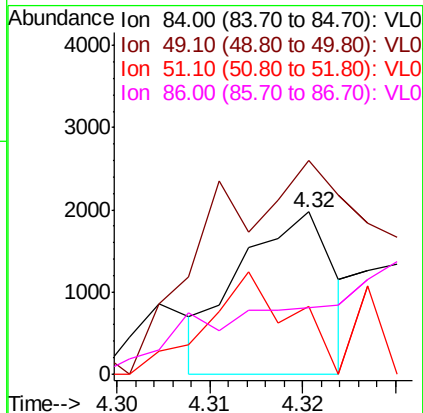
Ion Ratio Lower Upper

84 100

49 111.4 122.4 183.6#

51 65.0 33.3 49.9#

86 4.5 50.7 76.1#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. -0.01 min

Lab File: VL038549.D

Acq: 5 Mar 2022 00:30

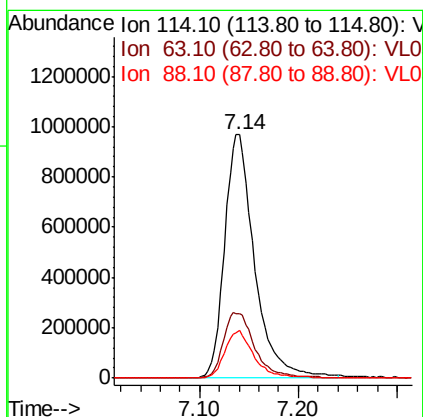
Tgt Ion: 114 Resp: 2065153

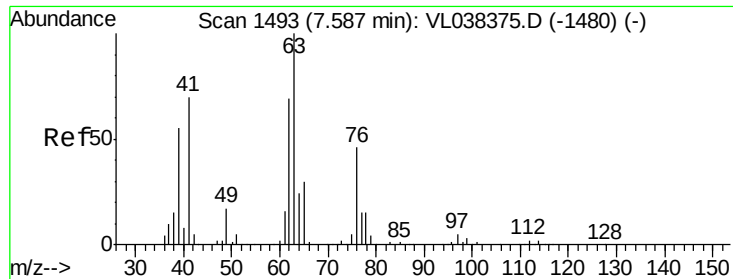
Ion Ratio Lower Upper

114 100

63 28.7 22.2 33.2

88 19.3 15.2 22.8





#39

1,2-Dichloropropane

Concen: 0.084 ppbv

RT: 7.20 Instrument:

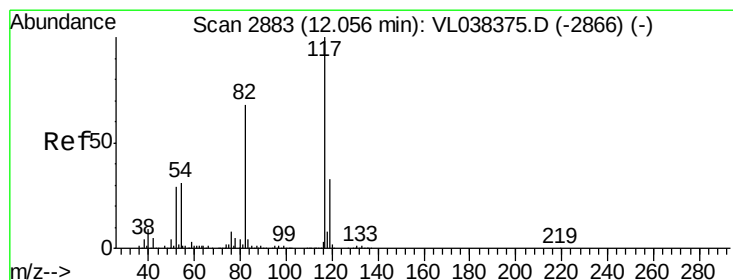
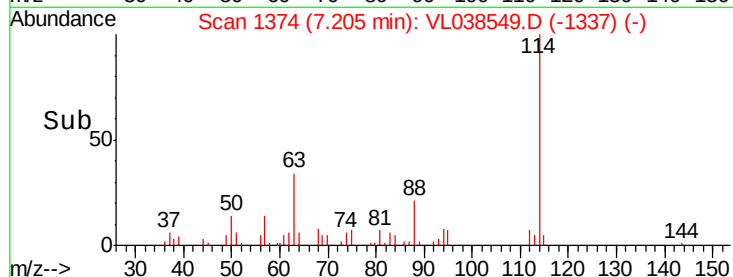
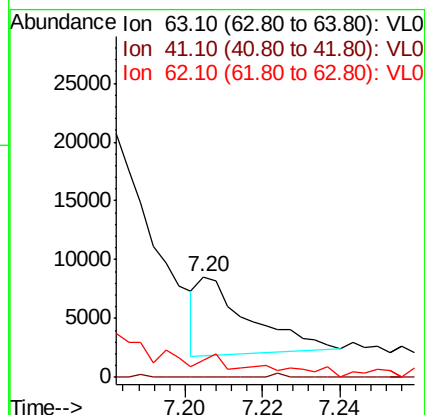
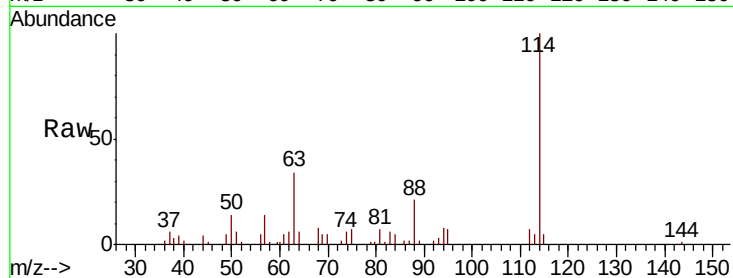
Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 5 Mar 2022 00:30

Tot Ion: 63 Resp: 6061

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 0.0   | 56.1  | 84.1# |
| 62  | 23.8  | 55.5  | 83.3# |



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.04 min Scan# 2879

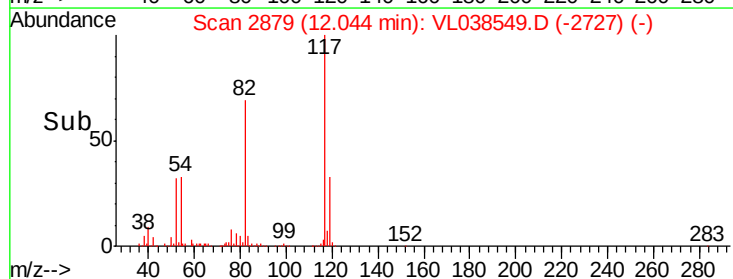
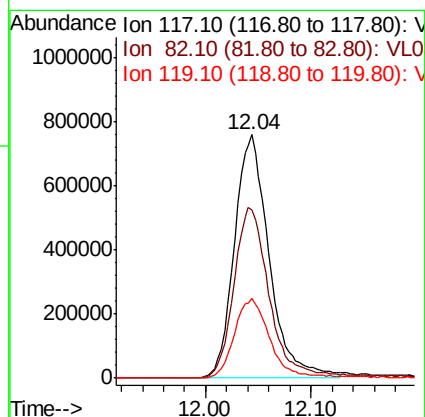
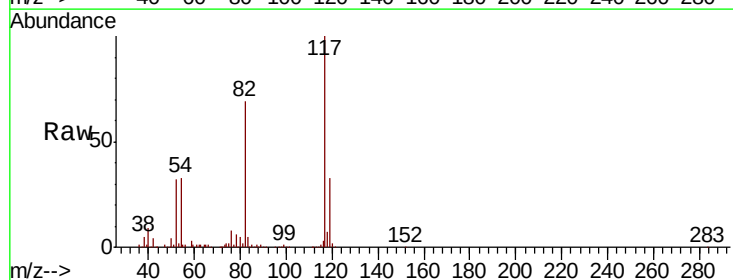
Delta R.T. -0.01 min

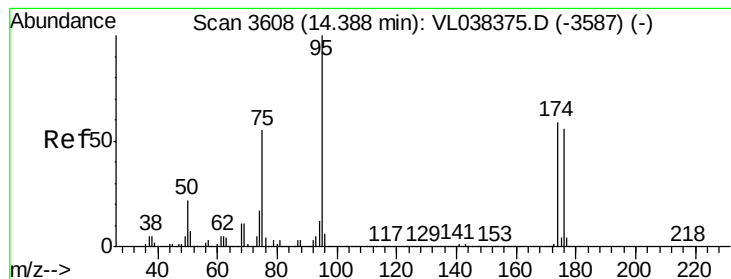
Lab File: VL038549.D

Acq: 5 Mar 2022 00:30

Tgt Ion: 117 Resp: 1738670

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 74.8  | 54.9  | 82.3  |
| 119 | 33.8  | 46.1  | 69.1# |





#68

1-Bromo-4-Fluorobenzene

Concen: 9.335 ppbv

RT: 14.37 Instrument :

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 5 Mar 2022 00:30

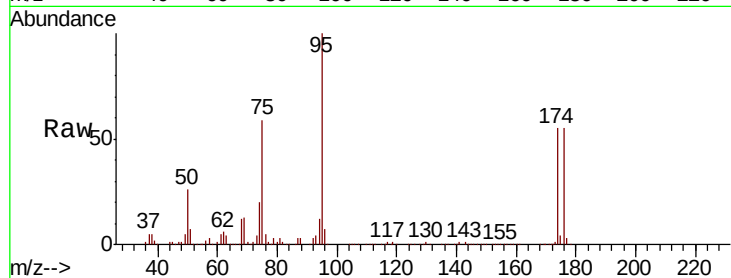
Tot Ion: 95 Resp: 1342879

Ion Ratio Lower Upper

95 100

174 59.9 49.0 73.4

175 4.2 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

