

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL030222\  
 Data File : VL038479.D  
 Acq On : 2 Mar 2022 13:13  
 Operator : SY/AP  
 Sample : CAN 10413  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 CAN 10413

Quant Time: Mar 02 22:36:12 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL022222AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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   | 5.67  | 49   | 913241   | 10.00 | ppbv  | 0.02     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 2093874  | 10.00 | ppbv  | 0.02     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 1851755  | 10.00 | ppbv  | 0.03     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 1522653  | 9.94     | ppbv | 0.02   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.40% |

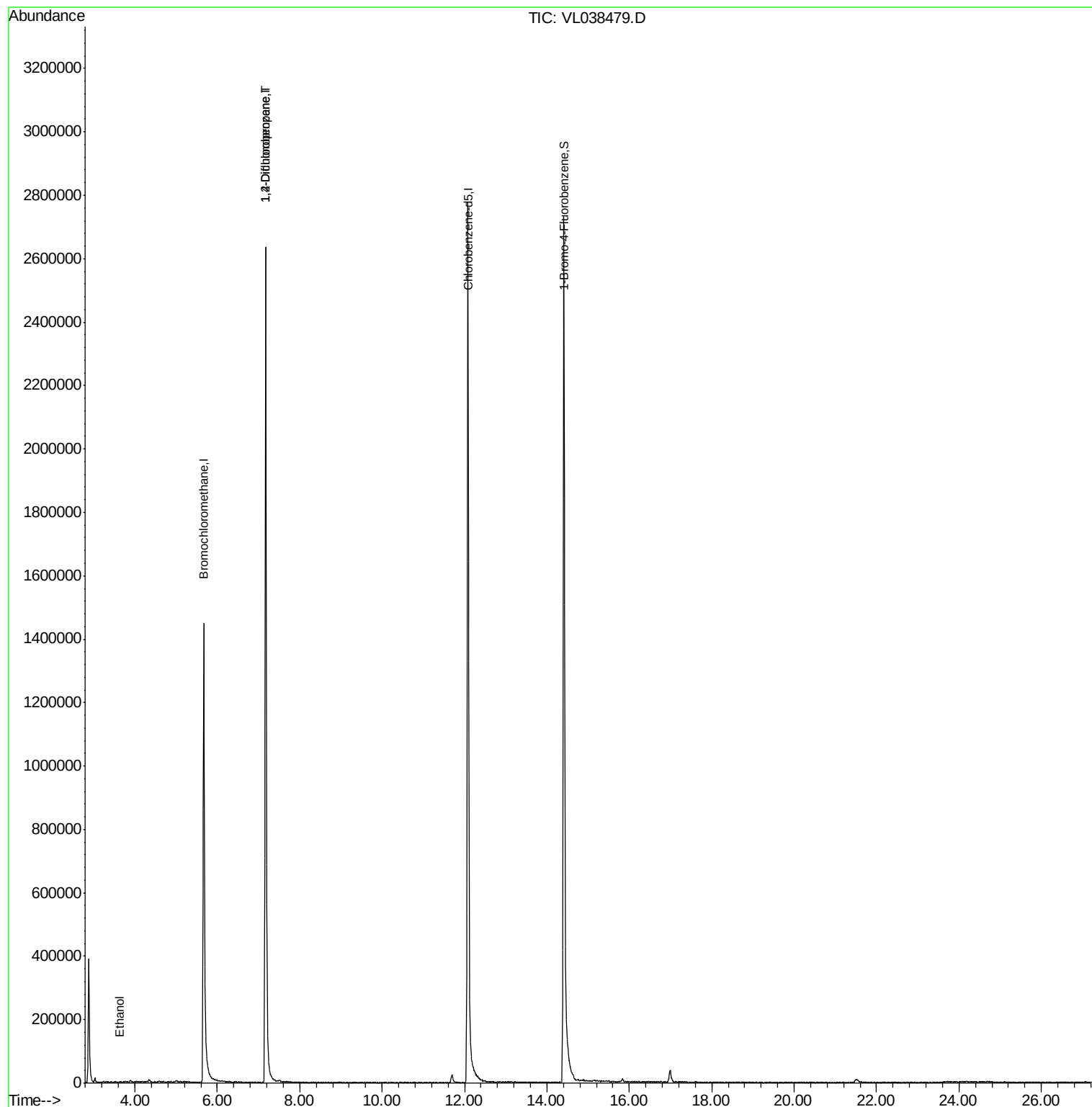
| Target Compounds        | R.T. | QIon | Response | Conc | Units  | Qvalue |
|-------------------------|------|------|----------|------|--------|--------|
| 13) Ethanol             | 3.63 | 45   | 298      | 0.06 | ppbv # | 31     |
| 39) 1,2-Dichloropropane | 7.17 | 63   | 577006   | 7.86 | ppbv # | 25     |

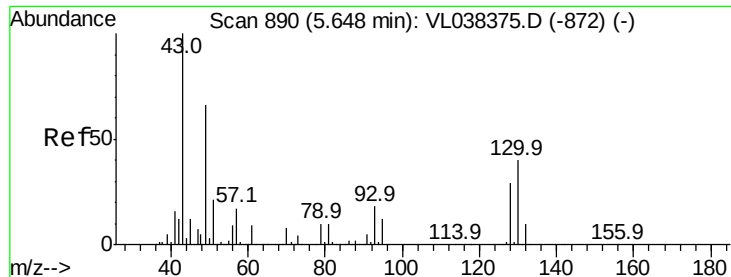
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_L  
ClientSampleId :  
CAN 10413

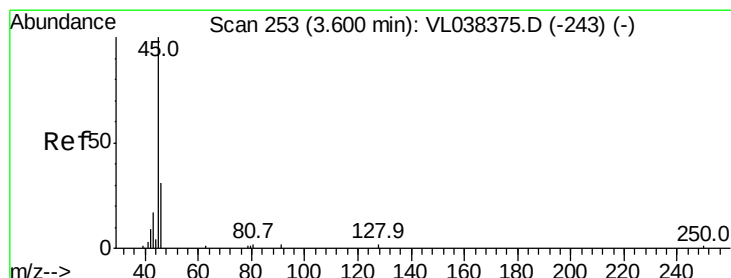
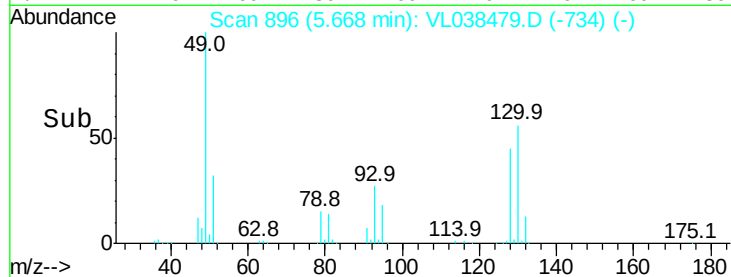
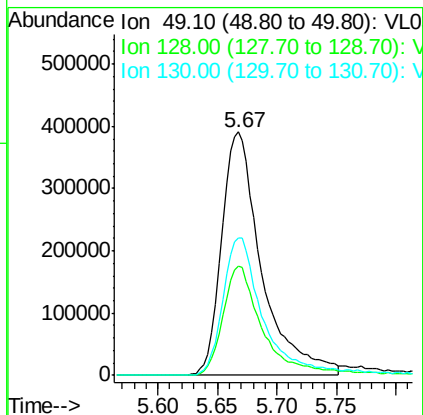
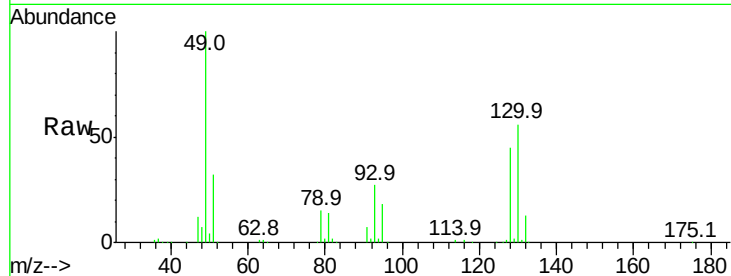
Quant Time: Mar 02 22:36:12 2022  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_L\METHODS\VL022222AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Feb 22 19:45:51 2022  
QLast Update : Tue Feb 22 19:45:51 2022  
Response via : Initial Calibration





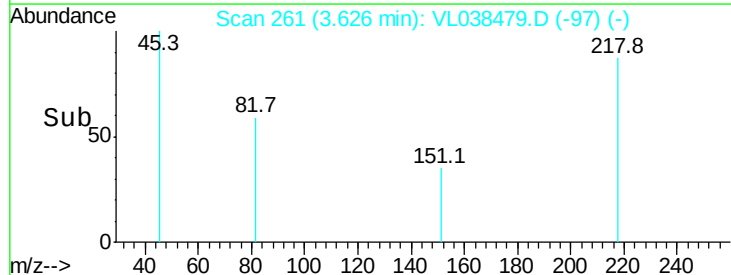
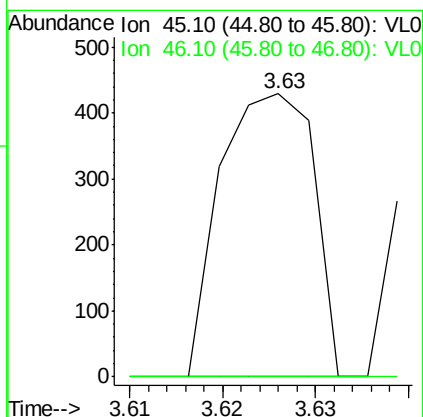
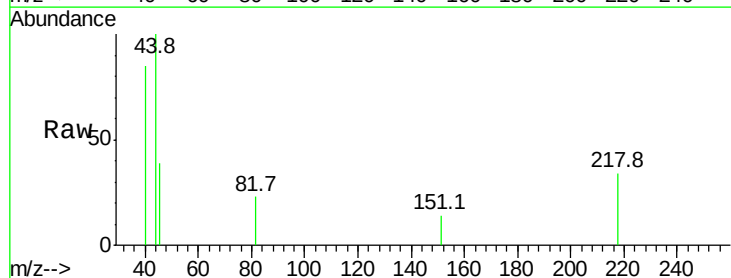
#1  
 Bromochloromethane  
 Concen: 10.00 ppbv  
 RT: 5.67  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId :  
 Acq: 2 Mar 2022 13:13

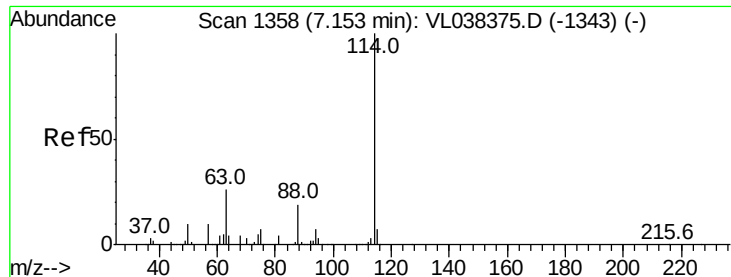
Tgt Ion: 49 Resp: 913241  
 Ion Ratio Lower Upper  
 49 100  
 128 46.0 24.3 72.9  
 130 58.5 30.1 90.5



#13  
 Ethanol  
 Concen: 0.06 ppbv  
 RT: 3.63 min Scan# 261  
 Delta R.T. 0.03 min  
 Lab File: VL038479.D  
 Acq: 2 Mar 2022 13:13

Tgt Ion: 45 Resp: 298  
 Ion Ratio Lower Upper  
 45 100  
 46 0.0 18.2 72.8#

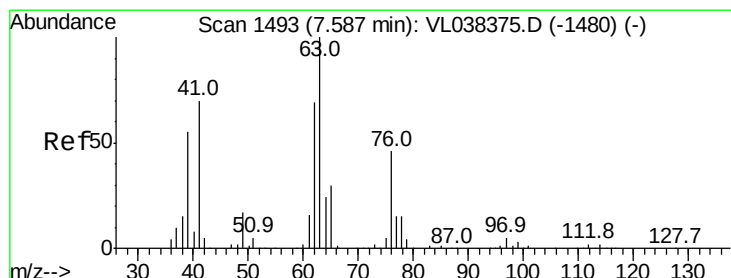
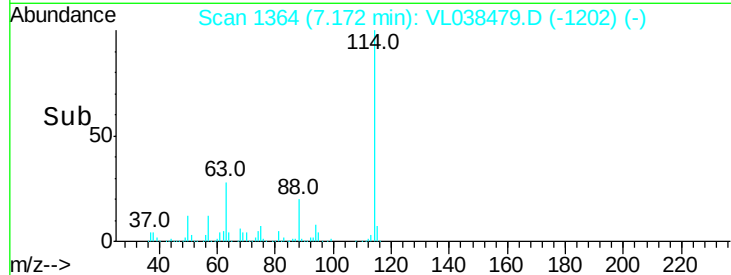
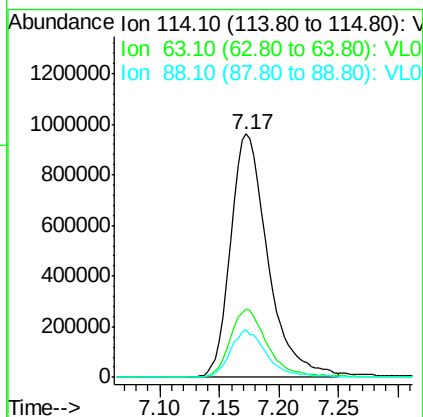
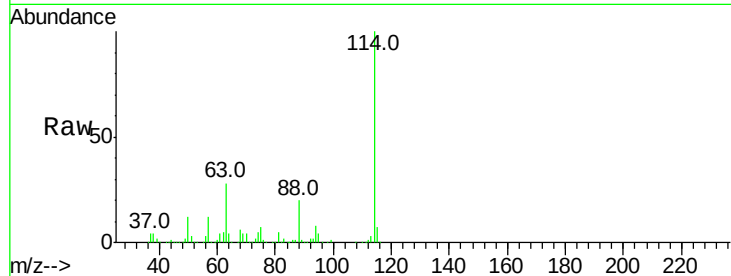




#33  
 1,4-Difluorobenzene  
 Concen: 10.00 ppbv  
 RT: 7.17 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 2 Mar 2022 13:13

Tgt Ion: 114 Resp: 2093874

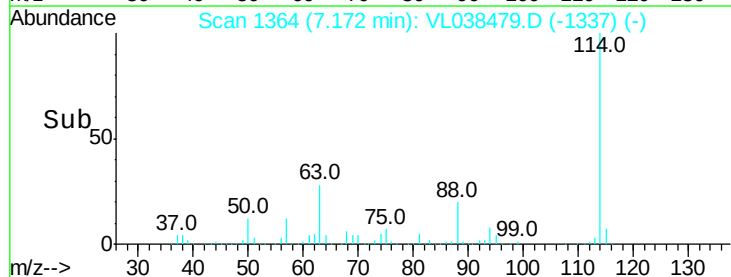
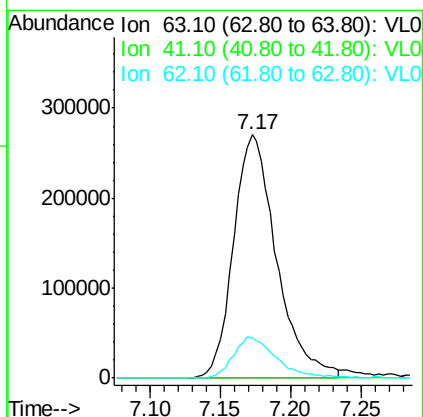
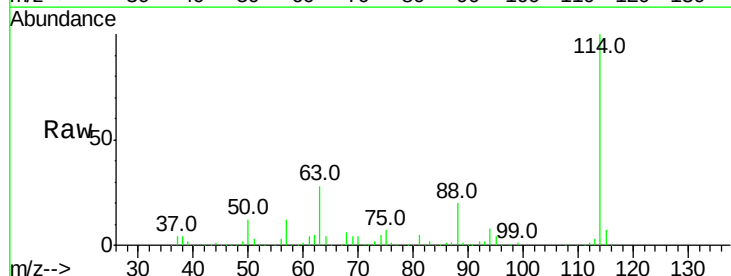
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 28.6  | 22.2  | 33.2  |
| 88  | 19.4  | 15.2  | 22.8  |

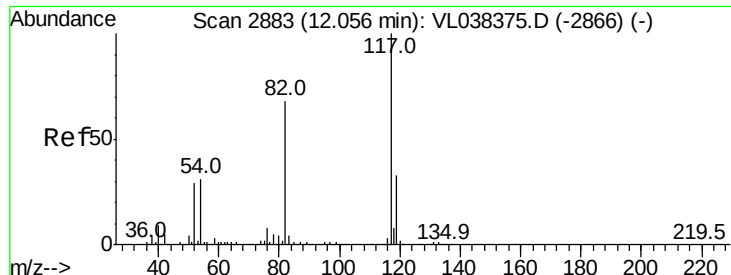


#39  
 1,2-Dichloropropane  
 Concen: 7.86 ppbv  
 RT: 7.17 min Scan# 1364  
 Delta R.T. -0.41 min  
 Lab File: VL038479.D  
 Acq: 2 Mar 2022 13:13

Tgt Ion: 63 Resp: 577006

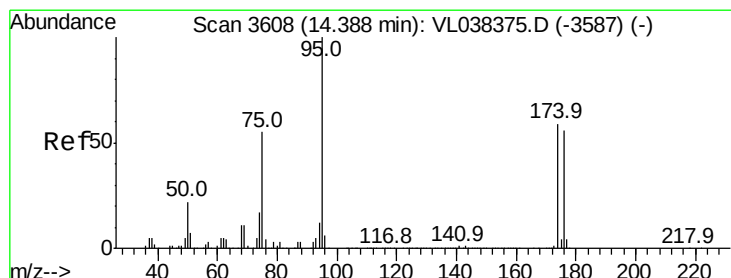
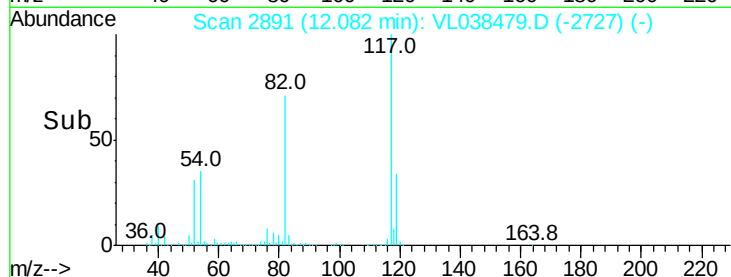
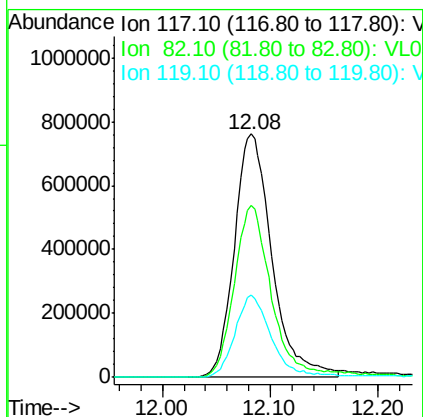
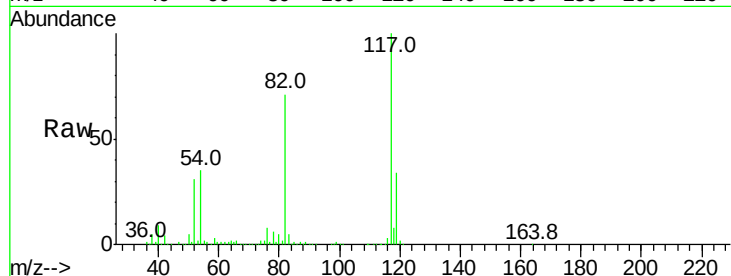
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 0.0   | 56.1  | 84.1# |
| 62  | 16.3  | 55.5  | 83.3# |





#55  
 Chlorobenzene-d5  
 Concen: 10.00 ppbv  
 RT: 12.08 min  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId :  
 Acq: 2 Mar 2022 13:13

Tgt Ion: 117 Resp: 1851755  
 Ion Ratio Lower Upper  
 117 100  
 82 73.1 54.9 82.3  
 119 33.8 46.1 69.1#



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.94 ppbv  
 RT: 14.41 min Scan# 3615  
 Delta R.T.: 0.02 min  
 Lab File: VL038479.D  
 Acq: 2 Mar 2022 13:13

Tgt Ion: 95 Resp: 1522653  
 Ion Ratio Lower Upper  
 95 100  
 174 60.2 49.0 73.4  
 175 4.3 3.6 5.4

