

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\  
 Data File : VL038983.D  
 Acq On : 5 May 2022 21:56  
 Operator : SY/AP  
 Sample : OC040222 CAN 10602  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: May 06 07:30:14 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu May 05 07:41:27 2022  
 QLast Update : Thu May 05 07:41:27 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1021220  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 2435220  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 1993088  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.40  | 95    | 1629556  | 10.32    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.20% |

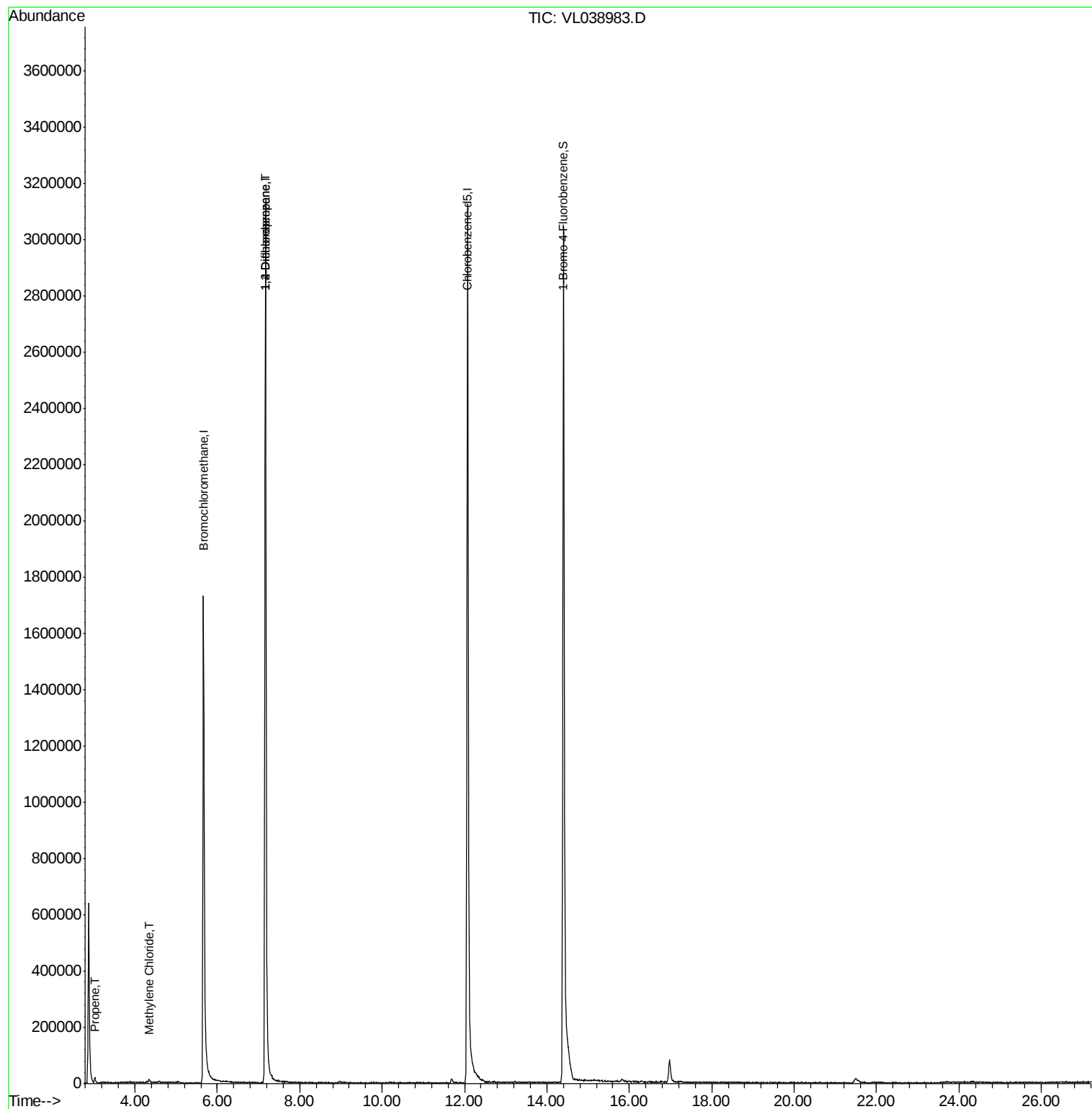
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 9) Propene              | 3.02 | 41   | 2698     | 0.049 | ppbv # | 13     |
| 20) Methylene Chloride  | 4.34 | 84   | 2020     | 0.056 | ppbv # | 77     |
| 39) 1,2-Dichloropropane | 7.17 | 63   | 702689   | 8.666 | ppbv # | 25     |

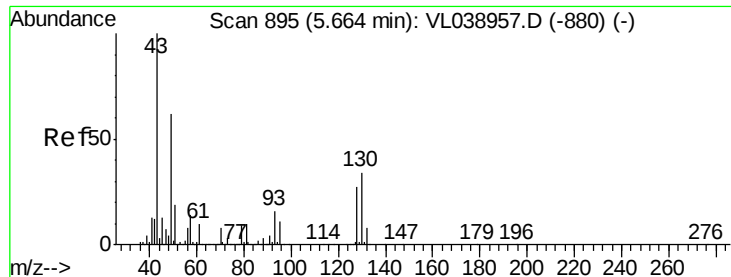
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 05 07:41:27 2022  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 5 May 2022 21:56

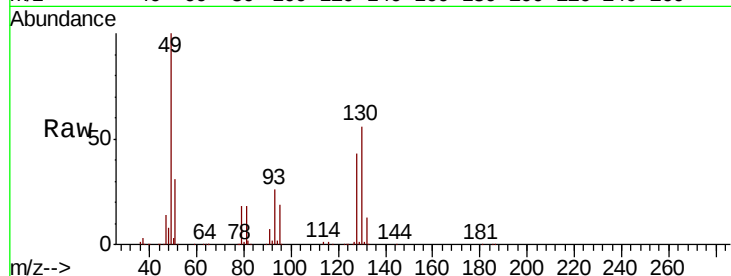
Tot Ion: 49 Resp: 1021220

Ion Ratio Lower Upper

49 100

128 48.0 23.3 69.8

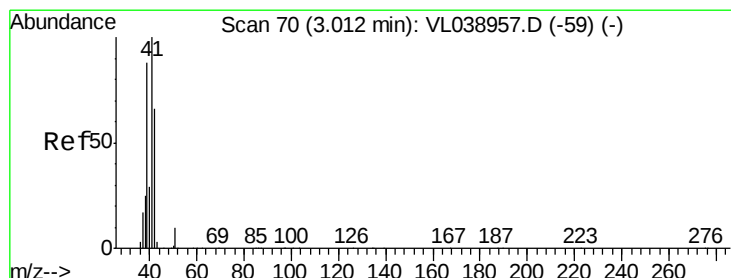
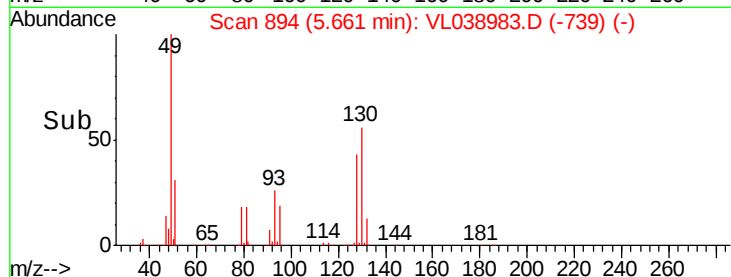
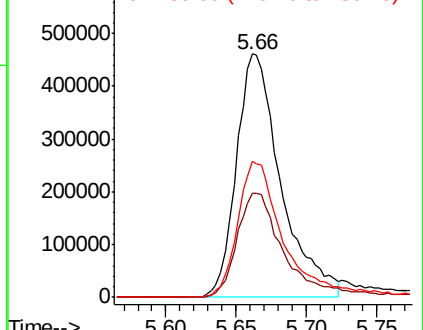
130 60.0 29.8 89.3



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: 0.049 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL038983.D

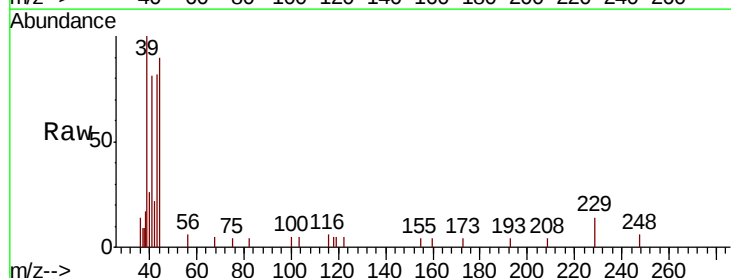
Acq: 5 May 2022 21:56

Tgt Ion: 41 Resp: 2698

Ion Ratio Lower Upper

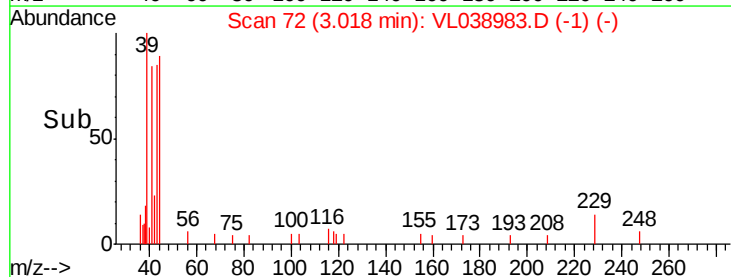
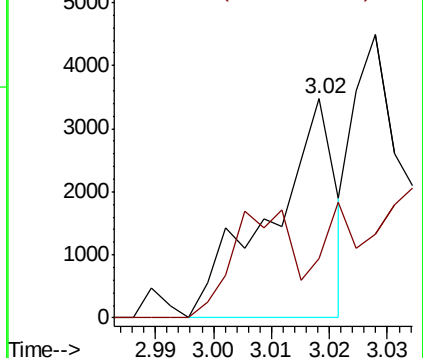
41 100

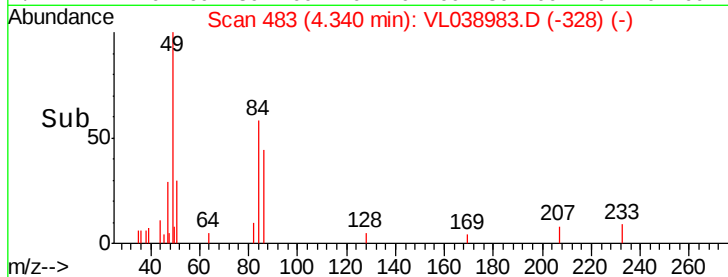
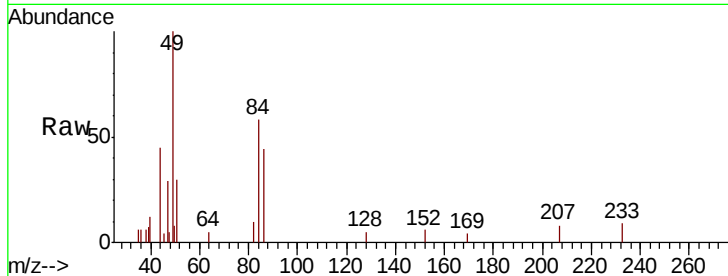
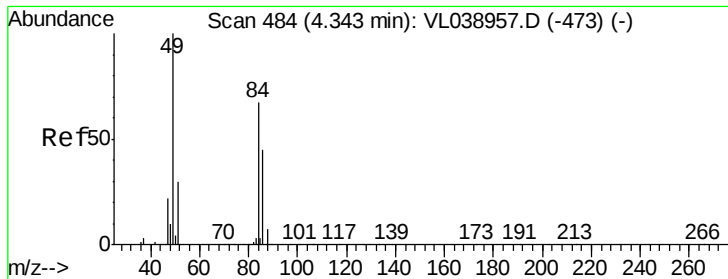
42 0.0 58.3 87.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#20

Methvlene Chloride

Concen: 0.056 ppbv

RT: 4.34 Instrument:

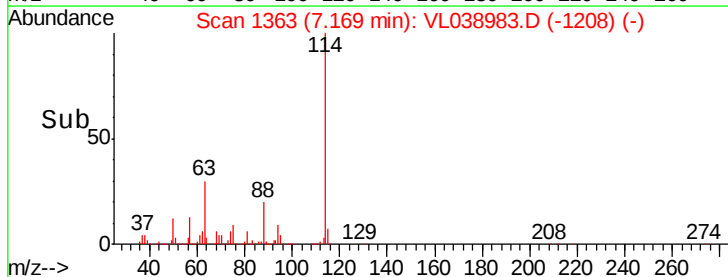
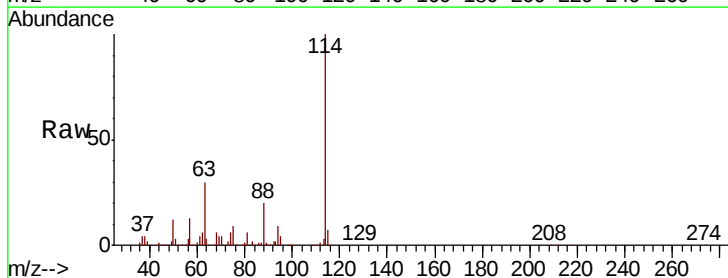
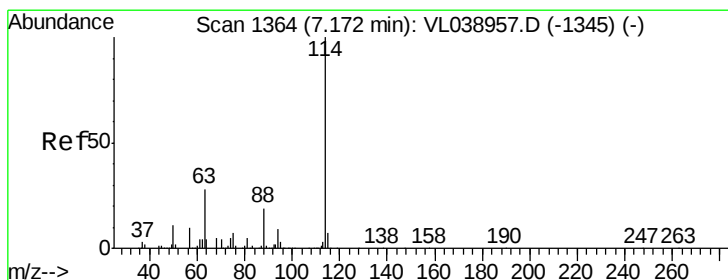
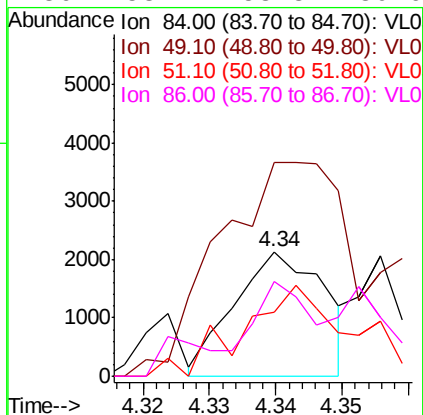
Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 5 May 2022 21:56

Tot Ion: 84 Resp: 2020

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 115.9 | 119.9 | 179.9# |
| 51  | 55.7  | 35.7  | 53.5#  |
| 86  | 53.2  | 53.8  | 80.6#  |



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

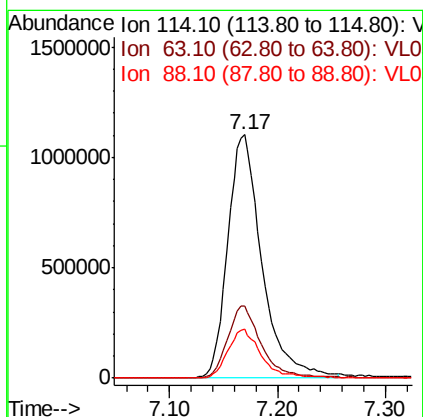
Delta R.T. -0.00 min

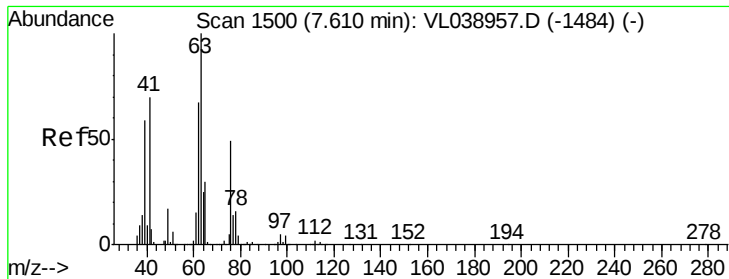
Lab File: VL038983.D

Acq: 5 May 2022 21:56

Tgt Ion: 114 Resp: 2435220

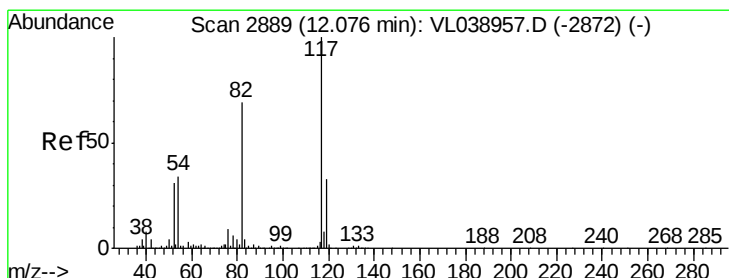
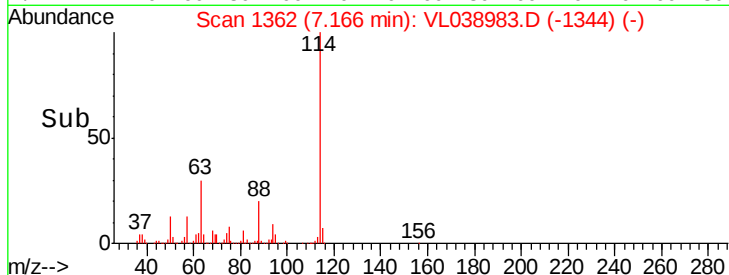
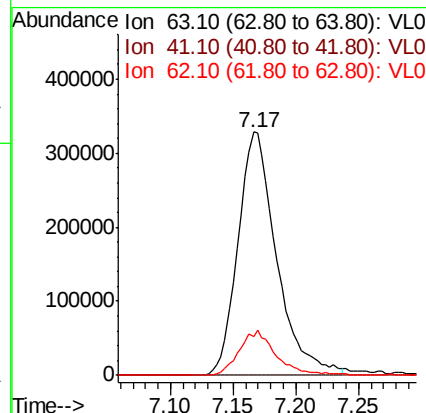
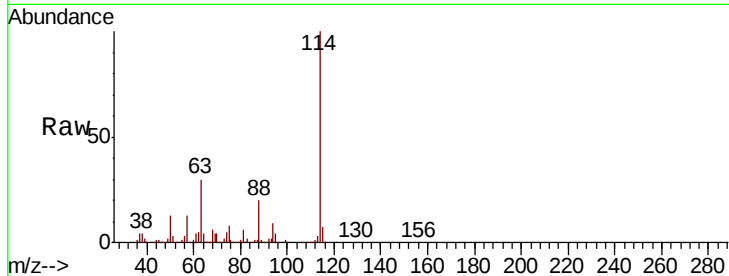
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 29.8  | 22.6  | 33.8  |
| 88  | 19.7  | 15.4  | 23.0  |





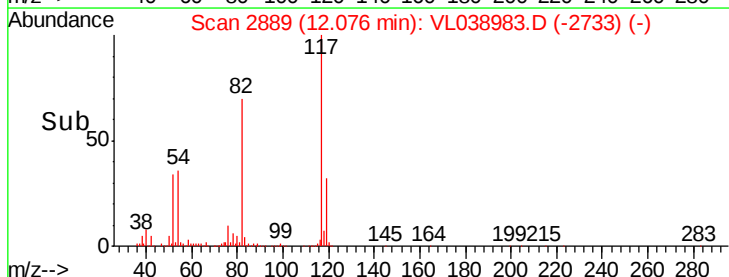
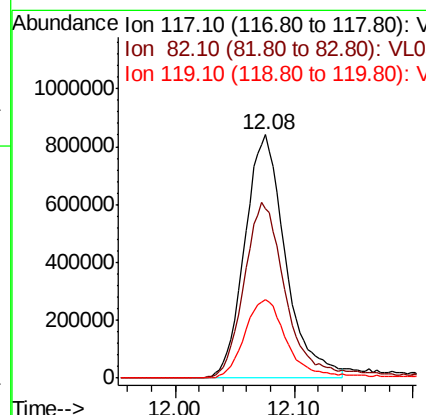
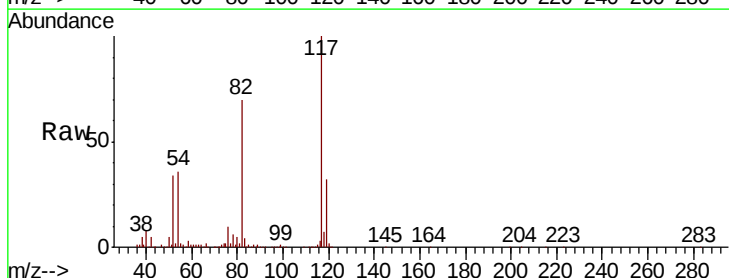
#39  
 1,2-Dichloropropane  
 Concen: 8.666 ppbv  
 RT: 7.17  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 Acq: 5 May 2022 21:56

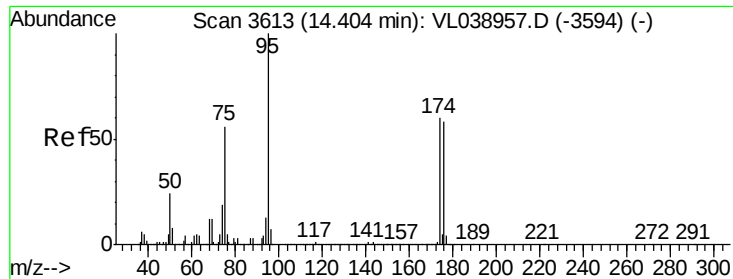
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 41      | 0.0   | 55.9  | 83.9# |
| 62      | 15.9  | 53.8  | 80.6# |



#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.08 min Scan# 2889  
 Delta R.T.: 0.00 min  
 Lab File: VL038983.D  
 Acq: 5 May 2022 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 78.0  | 57.0  | 85.6  |
| 119     | 34.7  | 27.2  | 40.8  |





#68

1-Bromo-4-Fluorobenzene

Concen: 10.324 ppbv

RT: 14.40 Instrument :

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 5 May 2022 21:30

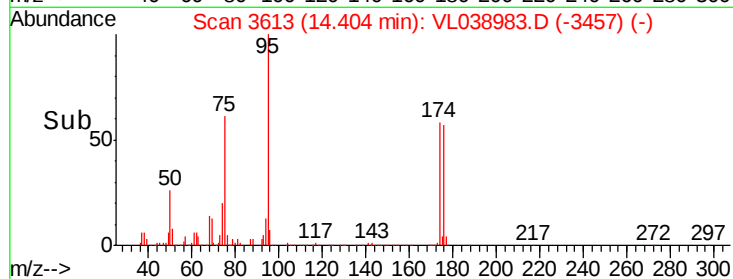
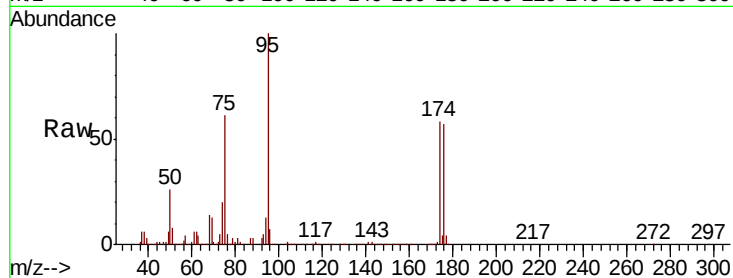
Tot Ion: 95 Resp: 1629556

Ion Ratio Lower Upper

95 100

174 63.3 50.8 76.2

175 4.2 3.8 5.6



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

