

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041222\  
 Data File : VL038894.D  
 Acq On : 12 Apr 2022 16:21  
 Operator : SY/AP  
 Sample : OC041122 CAN 10303  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC041122 CAN 10303

Quant Time: Apr 13 01:16:54 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Apr 06 06:12:53 2022  
 QLast Update : Wed Apr 06 06:12:53 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1161821  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 2873478  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 2501399  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 1857178  | 9.79     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 97.90% |

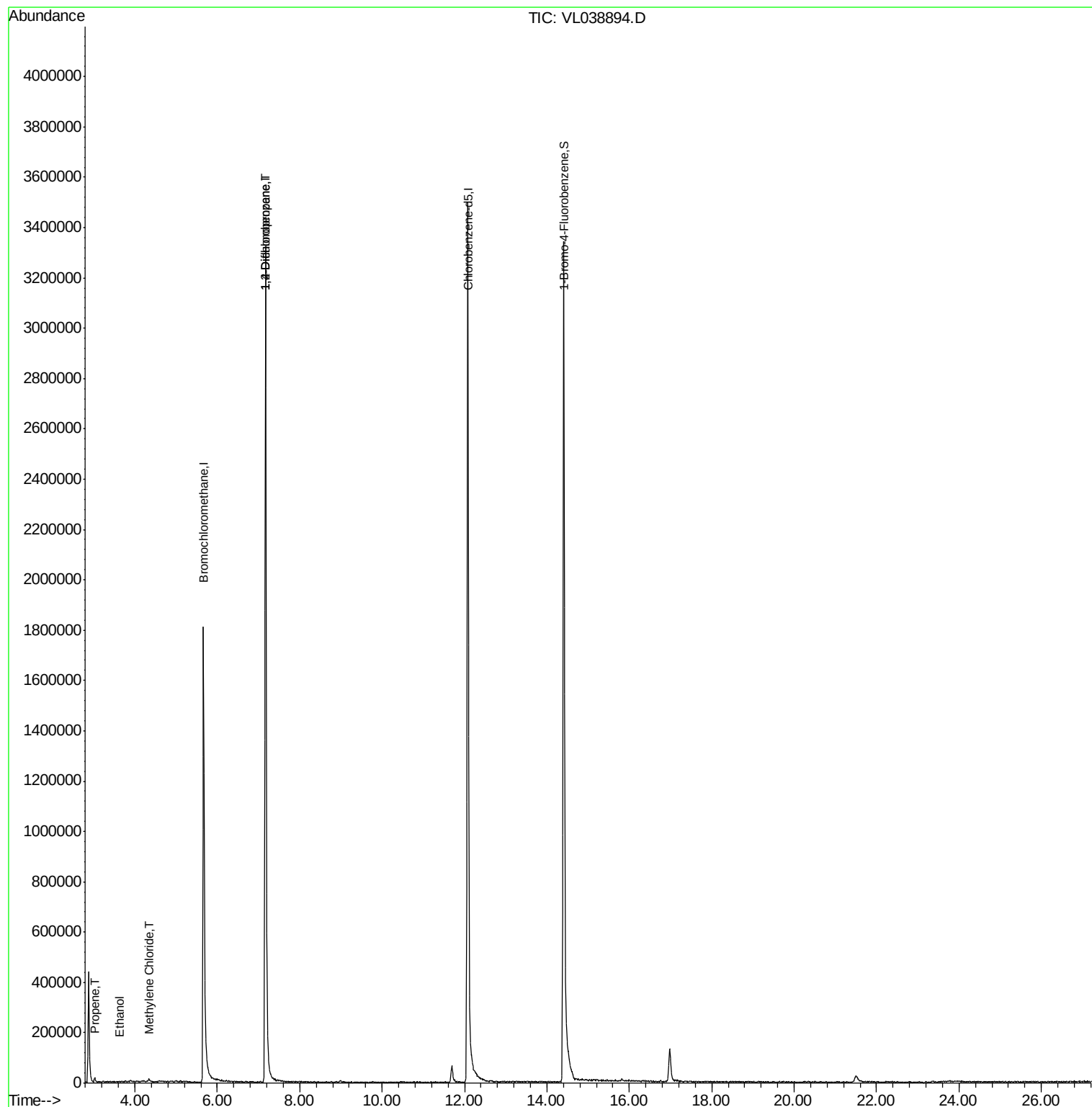
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 9) Propene              | 3.02 | 41   | 3992     | 0.053 | ppbv   | 85     |
| 13) Ethanol             | 3.63 | 45   | 340      | 0.075 | ppbv # | 100    |
| 20) Methylene Chloride  | 4.35 | 84   | 1450     | 0.035 | ppbv # | 26     |
| 39) 1,2-Dichloropropane | 7.17 | 63   | 730745   | 7.309 | ppbv # | 26     |

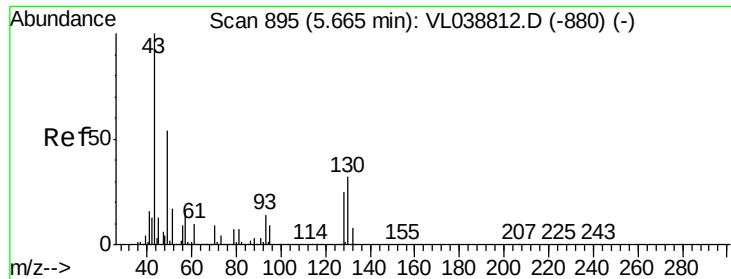
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 12 Apr 2022 16:21

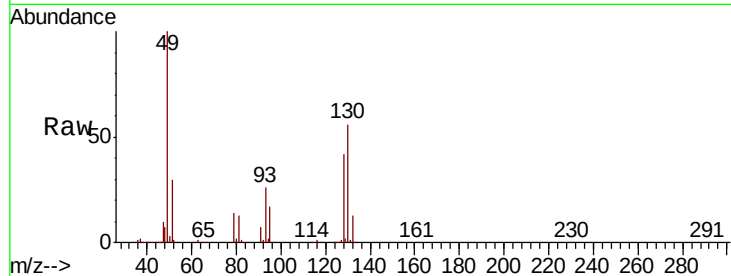
Tot Ion: 49 Resp: 1161821

Ion Ratio Lower Upper

49 100

128 45.6 24.1 72.3

130 58.8 30.9 92.8



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

600000

400000

200000

0

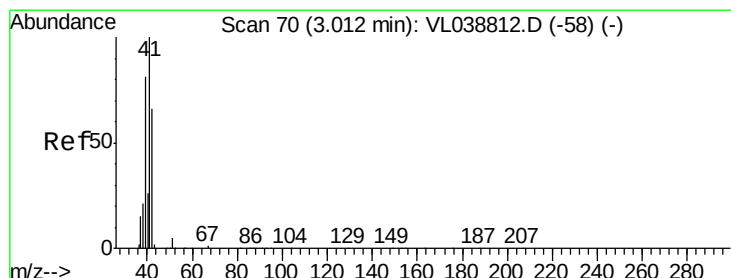
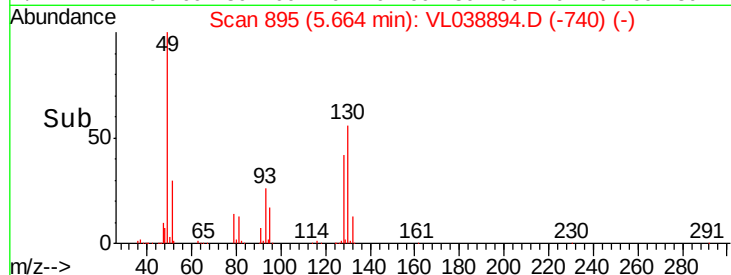
5.66

5.60

5.70

5.80

Time-->



#9

Propene

Concen: 0.053 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL038894.D

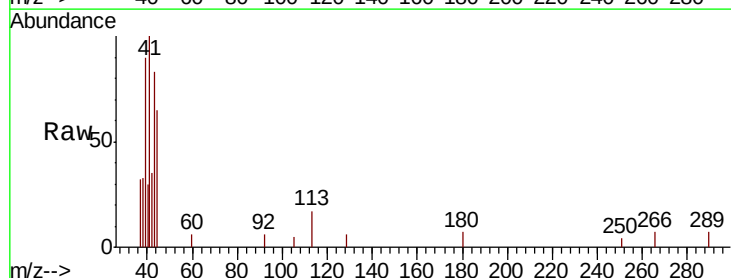
Acq: 12 Apr 2022 16:21

Tgt Ion: 41 Resp: 3992

Ion Ratio Lower Upper

41 100

42 79.8 54.2 81.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

4000

3000

2000

1000

0

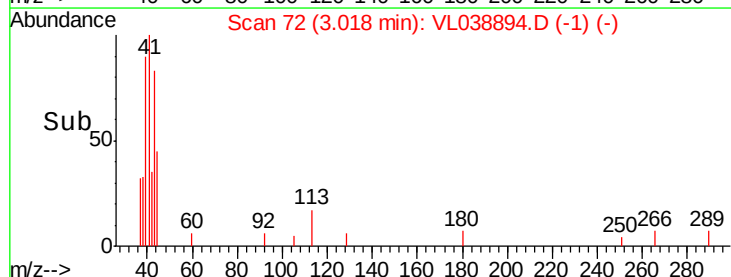
3.02

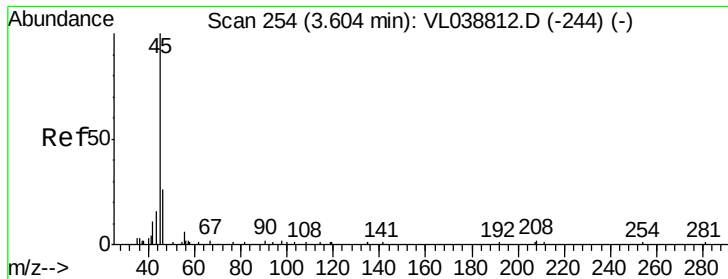
2.98

3.00

3.02

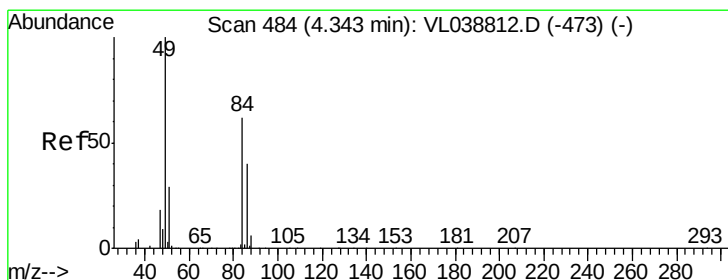
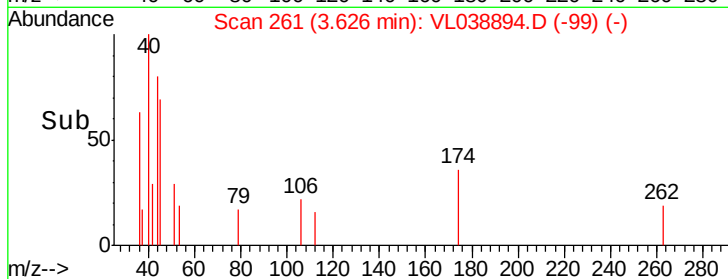
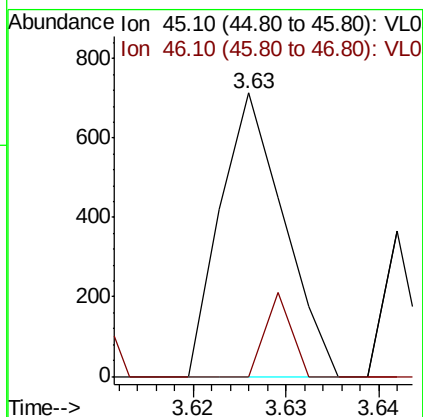
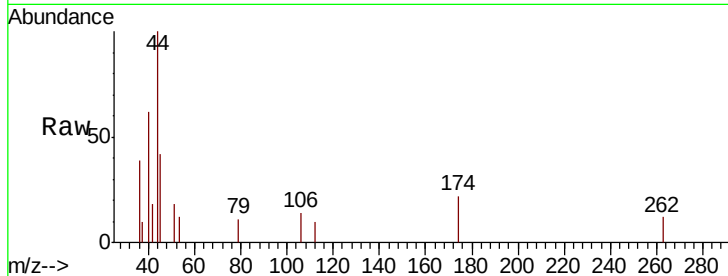
Time-->





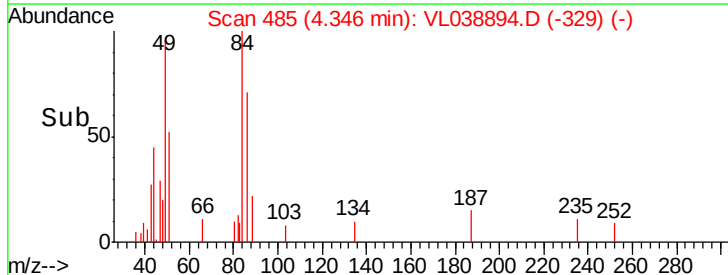
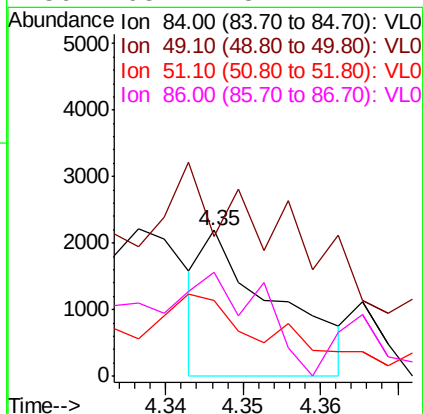
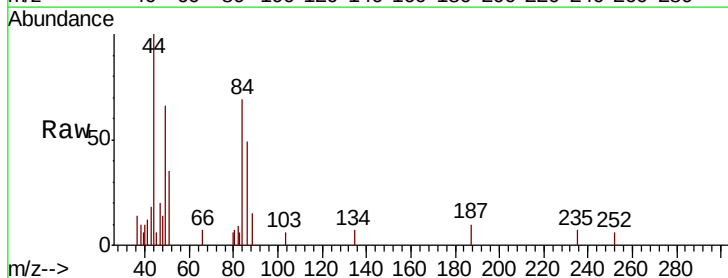
#13  
 Ethanol  
 Concen: 0.075 ppbv  
 RT: 3.63  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 12 Apr 2022 16:21

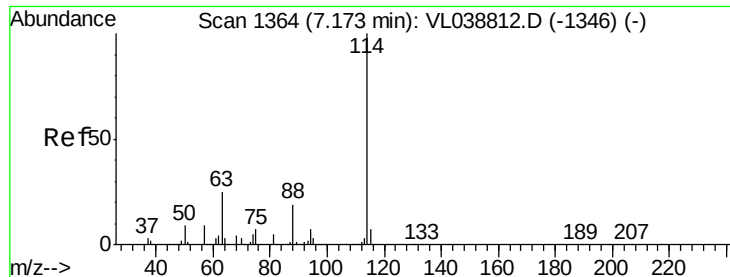
| Tot Ion | 45  | 46 | Ratio | Lower | Upper |
|---------|-----|----|-------|-------|-------|
| 45      | 100 |    |       |       |       |
| 46      | 0.0 |    | 0.0   | 0.0   | 0.0   |



#20  
 Methylene Chloride  
 Concen: 0.035 ppbv  
 RT: 4.35 min Scan# 485  
 Delta R.T. 0.00 min  
 Lab File: VL038894.D  
 Acq: 12 Apr 2022 16:21

| Tgt Ion | 84   | 49 | 51 | 86 | Ratio | Lower  | Upper |
|---------|------|----|----|----|-------|--------|-------|
| 84      | 100  |    |    |    |       |        |       |
| 49      | 0.0  |    |    |    | 129.4 | 194.0# |       |
| 51      | 52.9 |    |    |    | 37.4  | 56.2   |       |
| 86      | 63.1 |    |    |    | 51.4  | 77.2   |       |

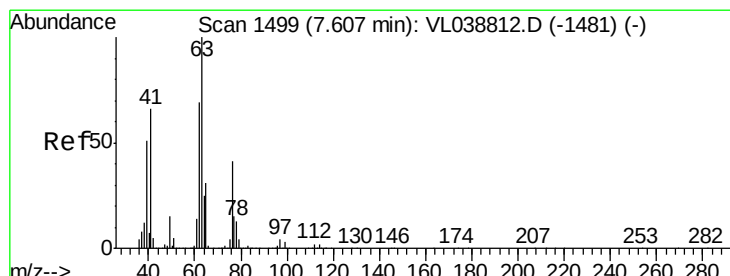
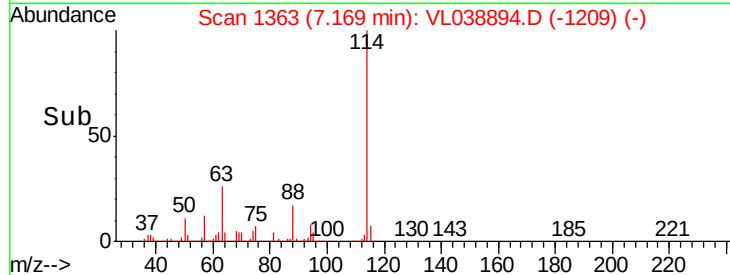
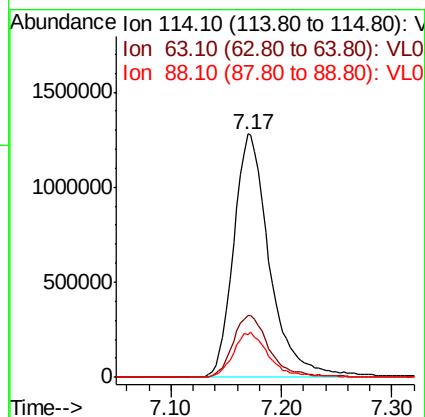
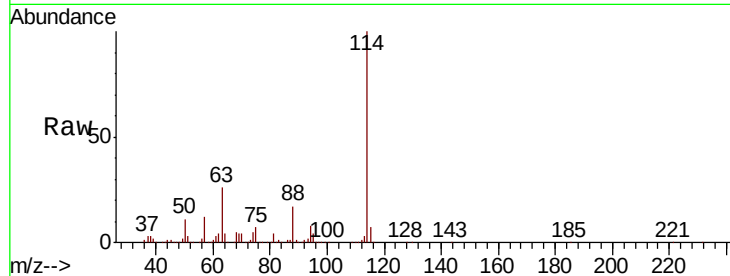




#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.17 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 OC041122 CAN 10303  
 Acq: 12 Apr 2022 16:21

Tot Ion: 114 Resp: 2873478

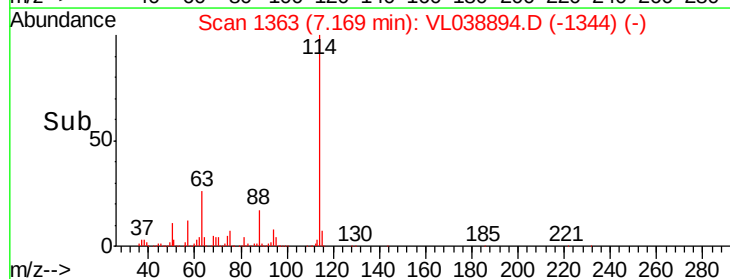
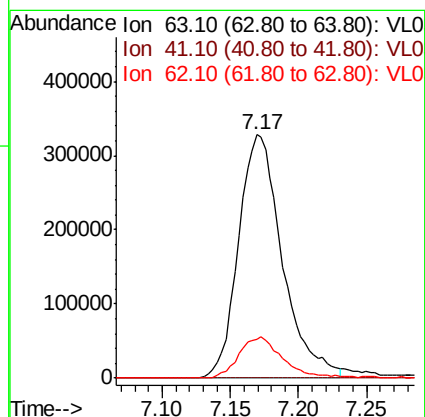
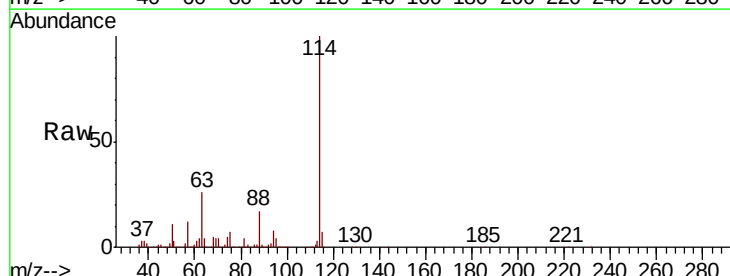
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 26.3  | 19.8  | 29.8  |
| 88  | 18.8  | 14.2  | 21.4  |

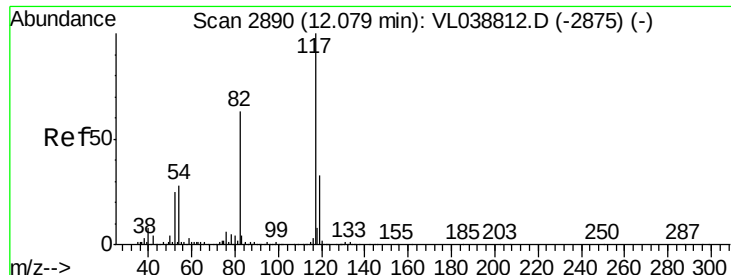


#39  
 1,2-Dichloropropane  
 Concen: 7.309 ppbv  
 RT: 7.17 min Scan# 1363  
 Delta R.T. -0.44 min  
 Lab File: VL038894.D  
 Acq: 12 Apr 2022 16:21

Tgt Ion: 63 Resp: 730745

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 0.0   | 53.0  | 79.6# |
| 62  | 15.9  | 55.0  | 82.4# |

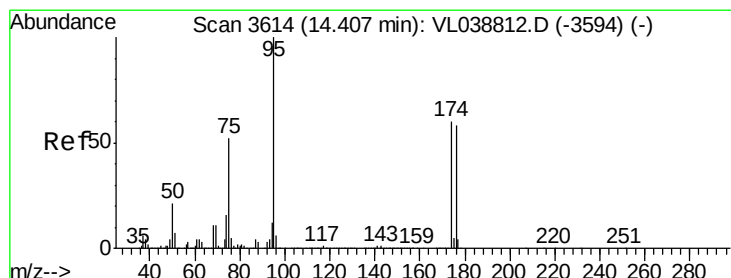
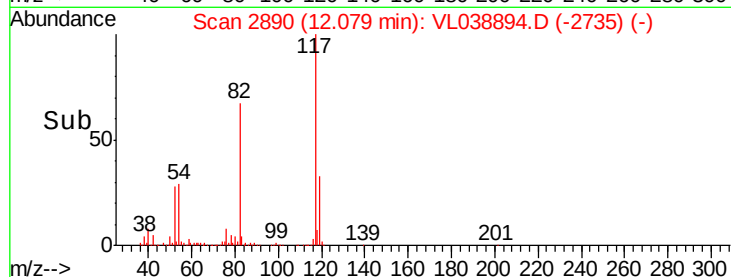
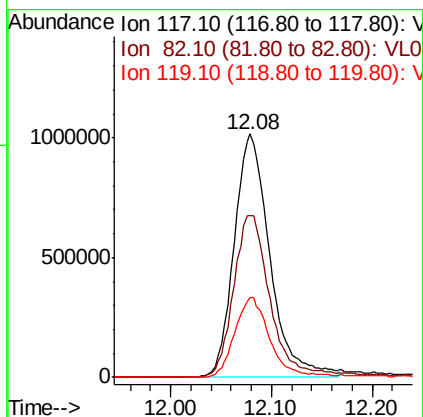
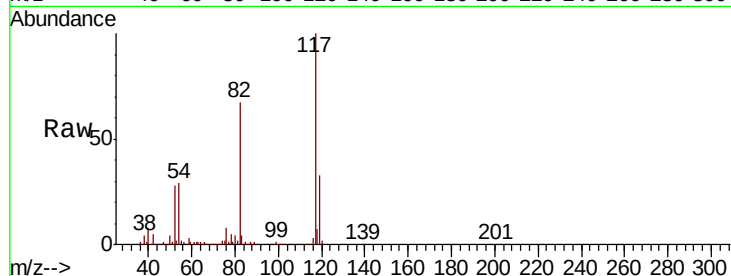




#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.08 min  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 OC041122 CAN 10303  
 Acq: 12 Apr 2022 16:21

Tot Ion:117 Resp: 2501399

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 69.6  | 53.0  | 79.6  |
| 119 | 33.9  | 24.9  | 37.3  |



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.788 ppbv  
 RT: 14.41 min Scan# 3614  
 Delta R.T.: -0.00 min  
 Lab File: VL038894.D  
 Acq: 12 Apr 2022 16:21

Tgt Ion: 95 Resp: 1857178

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 65.9  | 52.0  | 78.0  |
| 175 | 4.6   | 4.0   | 6.0   |

