

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\  
 Data File : VL038144.D  
 Acq On : 7 Dec 2021 10:56  
 Operator : SY/AP  
 Sample : VL1207ABL01  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1207ABL01

Quant Time: Dec 07 14:14:54 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Nov 18 13:16:09 2021  
 QLast Update : Thu Nov 18 13:16:09 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 903752   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 2515390  | 10.00 | ppbv  | -0.01    |
| 55) Chlorobenzene-d5    | 12.07 | 117  | 2095676  | 10.00 | ppbv  | -0.01    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.40  | 95    | 1709392  | 11.31    | ppbv | -0.01   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 113.10% |

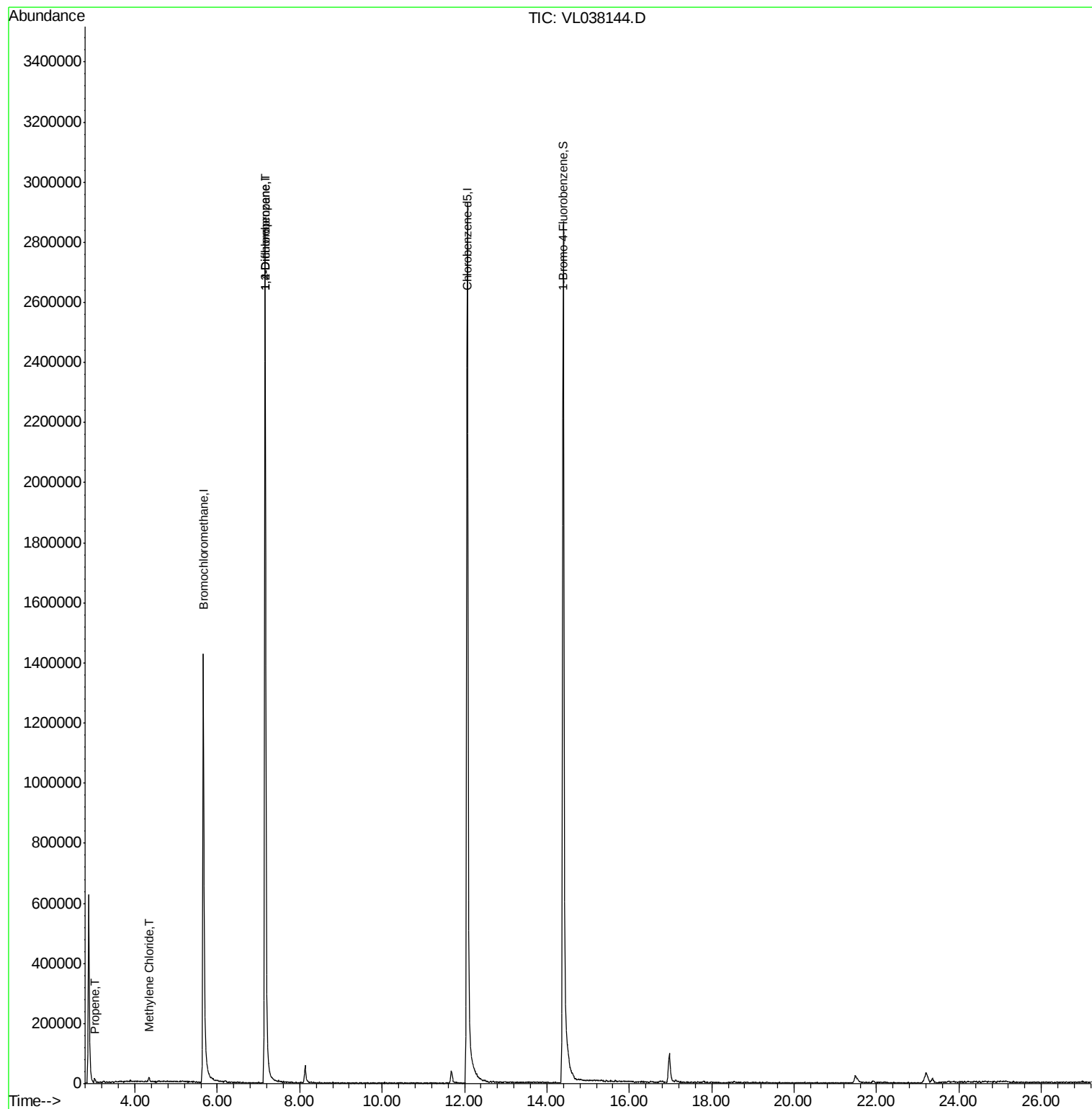
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 9) Propene              | 3.02 | 41   | 2813     | 0.040 | ppbv # | 16     |
| 20) Methylene Chloride  | 4.33 | 84   | 2352     | 0.054 | ppbv # | 82     |
| 39) 1,2-Dichloropropane | 7.16 | 63   | 638181   | 6.630 | ppbv # | 27     |

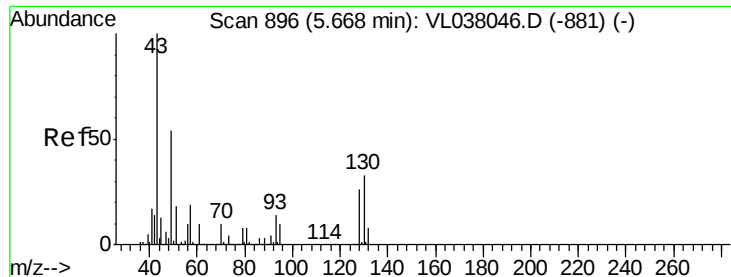
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120721\  
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MSVOA\_L  
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VL1207ABL01

Quant Time: Dec 07 14:14:54 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Nov 18 13:16:09 2021  
QLast Update : Thu Nov 18 13:16:09 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId: VL1207ABL01

Acq: 7 Dec 2021 10:56

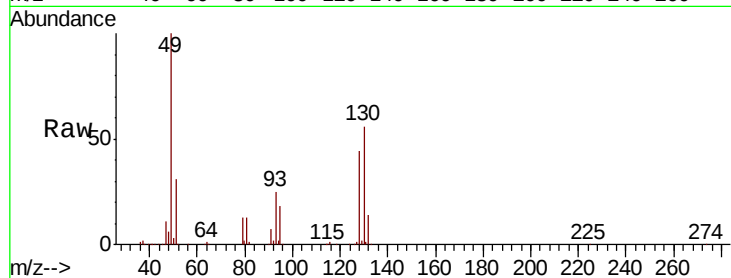
Tot Ion: 49 Resp: 903752

Ion Ratio Lower Upper

49 100

128 47.7 26.5 79.5

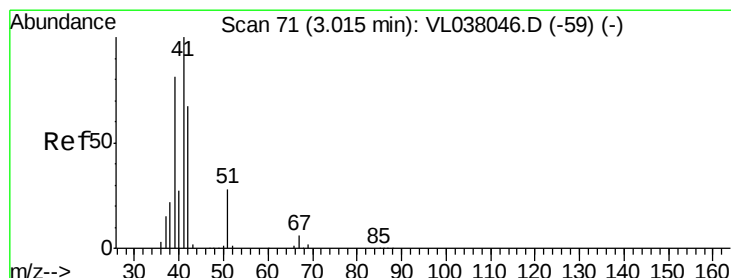
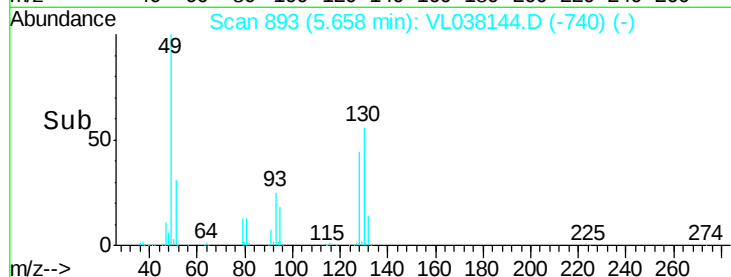
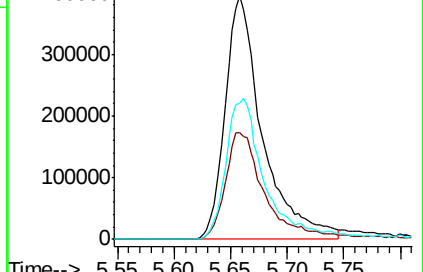
130 63.1 32.5 97.4



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: 0.040 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL038144.D

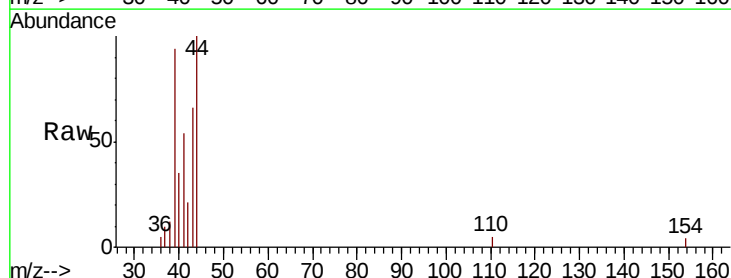
Acq: 7 Dec 2021 10:56

Tgt Ion: 41 Resp: 2813

Ion Ratio Lower Upper

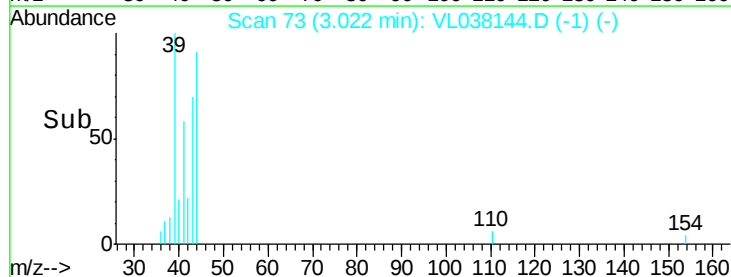
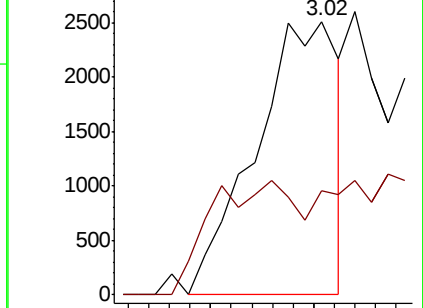
41 100

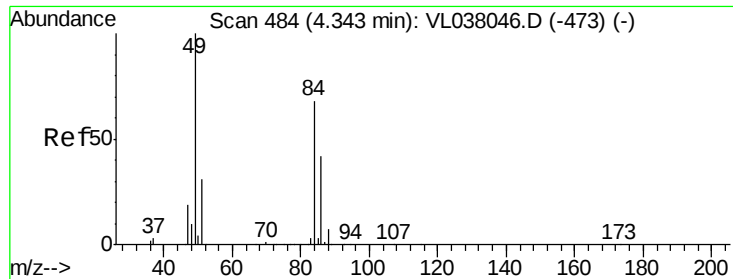
42 0.0 53.8 80.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

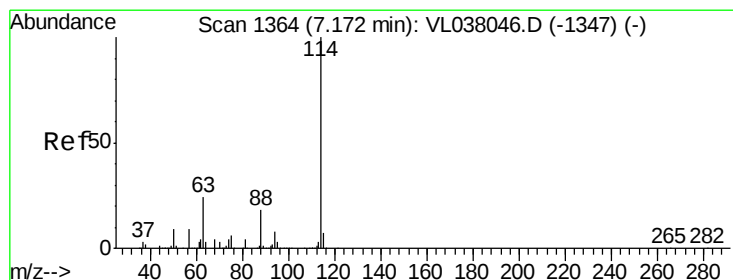
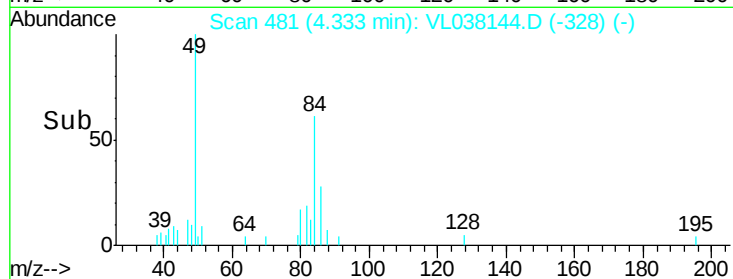
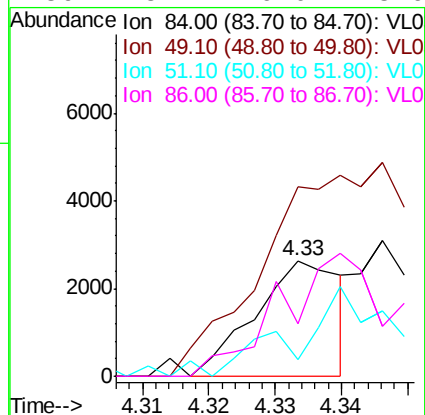
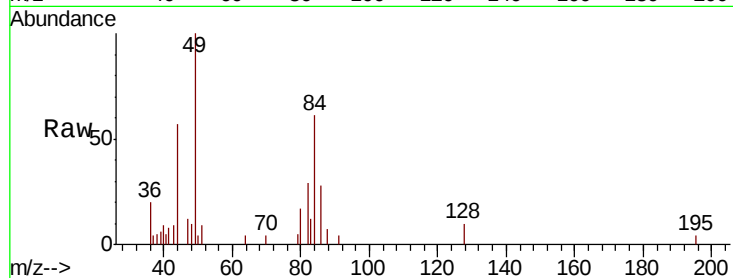
Ion 42.10 (41.80 to 42.80): VL0





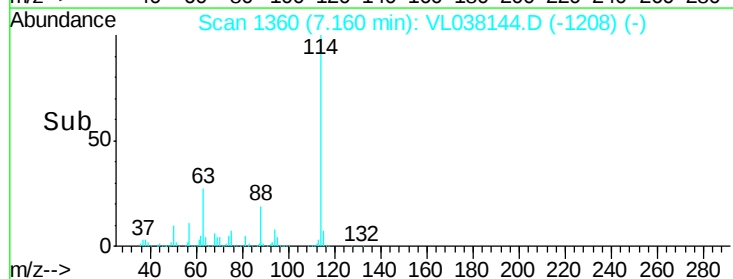
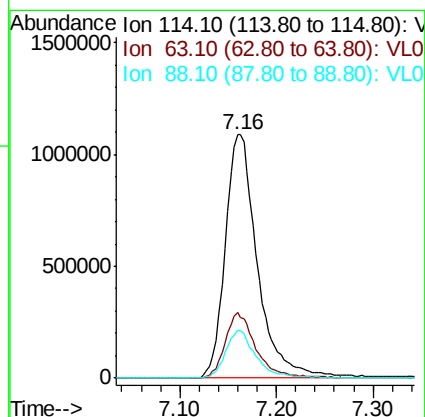
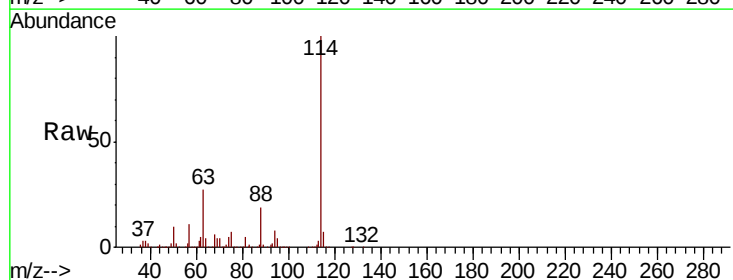
#20  
Methvlene Chloride  
Concen: 0.054 ppbv  
RT: 4.33  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId : VL1207ABL01  
Acq: 7 Dec 2021 10:56

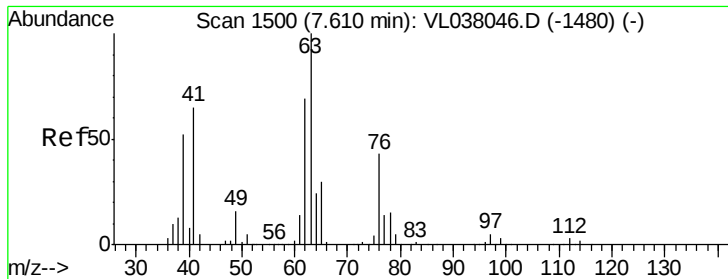
Tot Ion: 84 Resp: 2352  
Ion Ratio Lower Upper  
84 100  
49 145.4 118.2 177.2  
51 0.9 36.8 55.2#  
86 45.2 49.0 73.6#



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.16 min Scan# 1360  
Delta R.T. -0.01 min  
Lab File: VL038144.D  
Acq: 7 Dec 2021 10:56

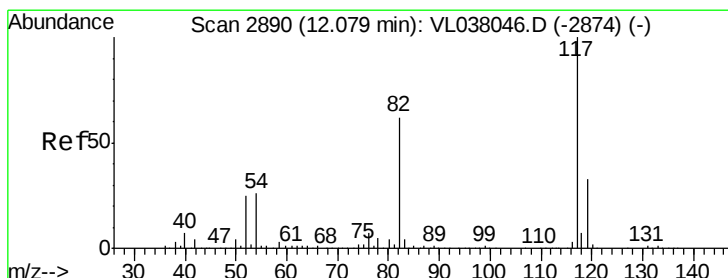
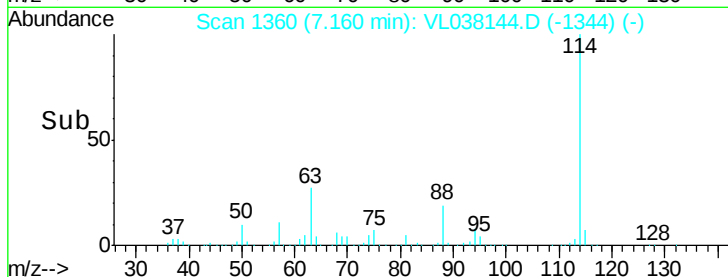
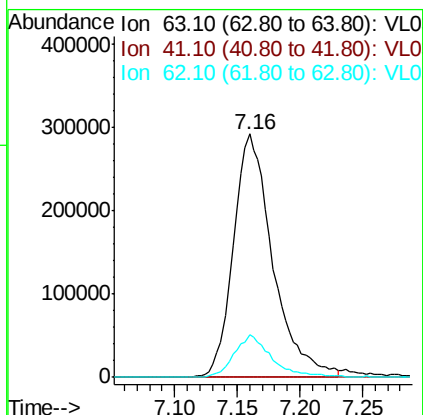
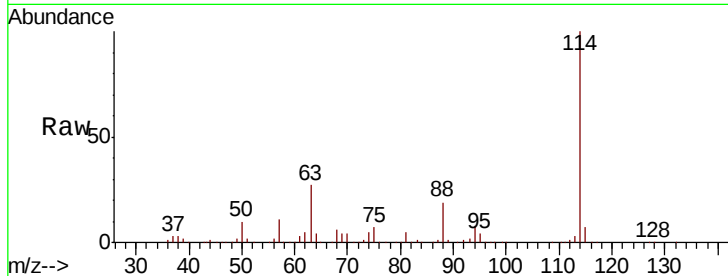
Tgt Ion:114 Resp: 2515390  
Ion Ratio Lower Upper  
114 100  
63 26.3 19.7 29.5  
88 18.9 14.4 21.6





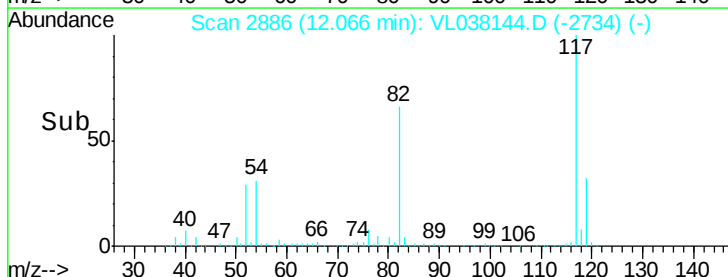
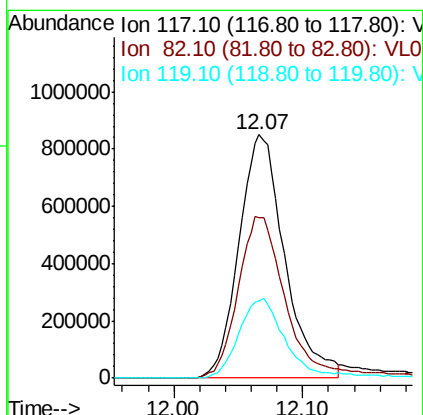
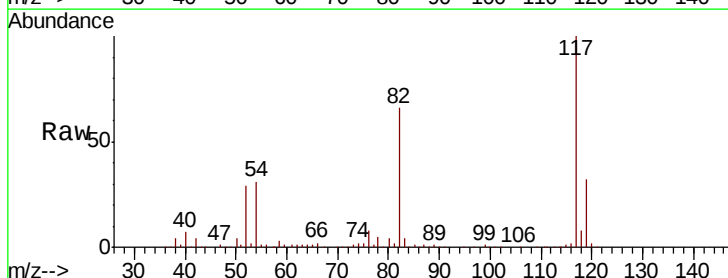
#39  
 1,2-Dichloropropane  
 Concen: 6.630 ppbv  
 RT: 7.16  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VL1207ABL01  
 Acq: 7 Dec 2021 10:56

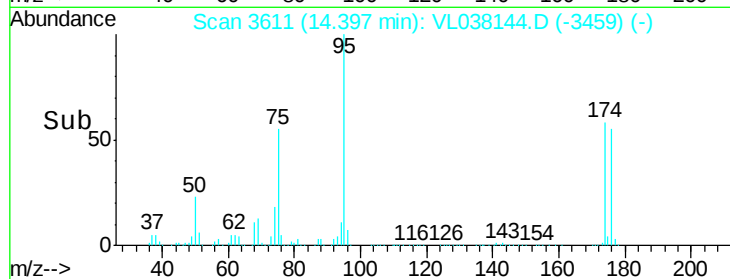
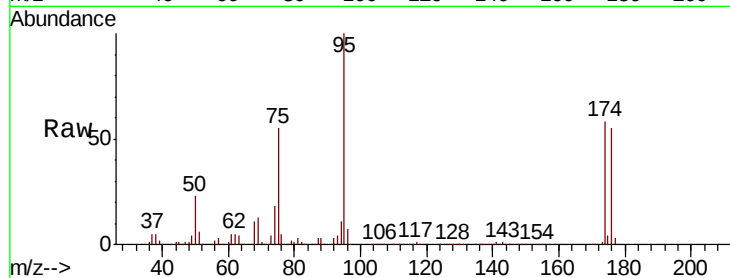
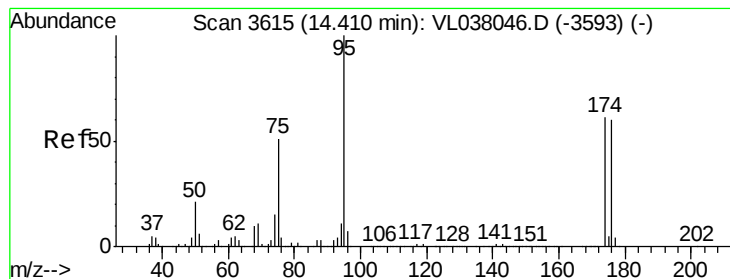
| Tot Ion   | 63.10 | Resp  | 638181 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 63        | 100   |       |        |
| 41        | 0.0   | 52.3  | 78.5#  |
| 62        | 17.3  | 55.1  | 82.7#  |



#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.07 min Scan# 2886  
 Delta R.T. -0.01 min  
 Lab File: VL038144.D  
 Acq: 7 Dec 2021 10:56

| Tgt Ion   | 117   | Resp  | 2095676 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 117       | 100   |       |         |
| 82        | 72.7  | 52.8  | 79.2    |
| 119       | 34.2  | 26.8  | 40.2    |





#68

1-Bromo-4-Fluorobenzene

Concen: 11.308 ppbv

RT: 14.40

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 10:30

Tot Ion: 95 Resp: 1709392

Ion Ratio Lower Upper

95 100

174 61.4 53.1 79.7

175 4.5 4.0 6.0

