

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL012722\  
 Data File : VL038302.D  
 Acq On : 27 Jan 2022 18:39  
 Operator : SY/AP  
 Sample : QC012622 CAN 10718  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC012622 CAN 10718

Quant Time: Jan 28 05:14:07 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL012422AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Jan 24 14:12:48 2022  
 QLast Update : Mon Jan 24 14:12:48 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 791956   | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.15  | 114  | 2079370  | 10.00 | ppbv  | -0.03    |
| 55) Chlorobenzene-d5    | 12.06 | 117  | 1669273  | 10.00 | ppbv  | -0.03    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.38  | 95    | 1266787  | 10.00    | ppbv | -0.03   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.00% |

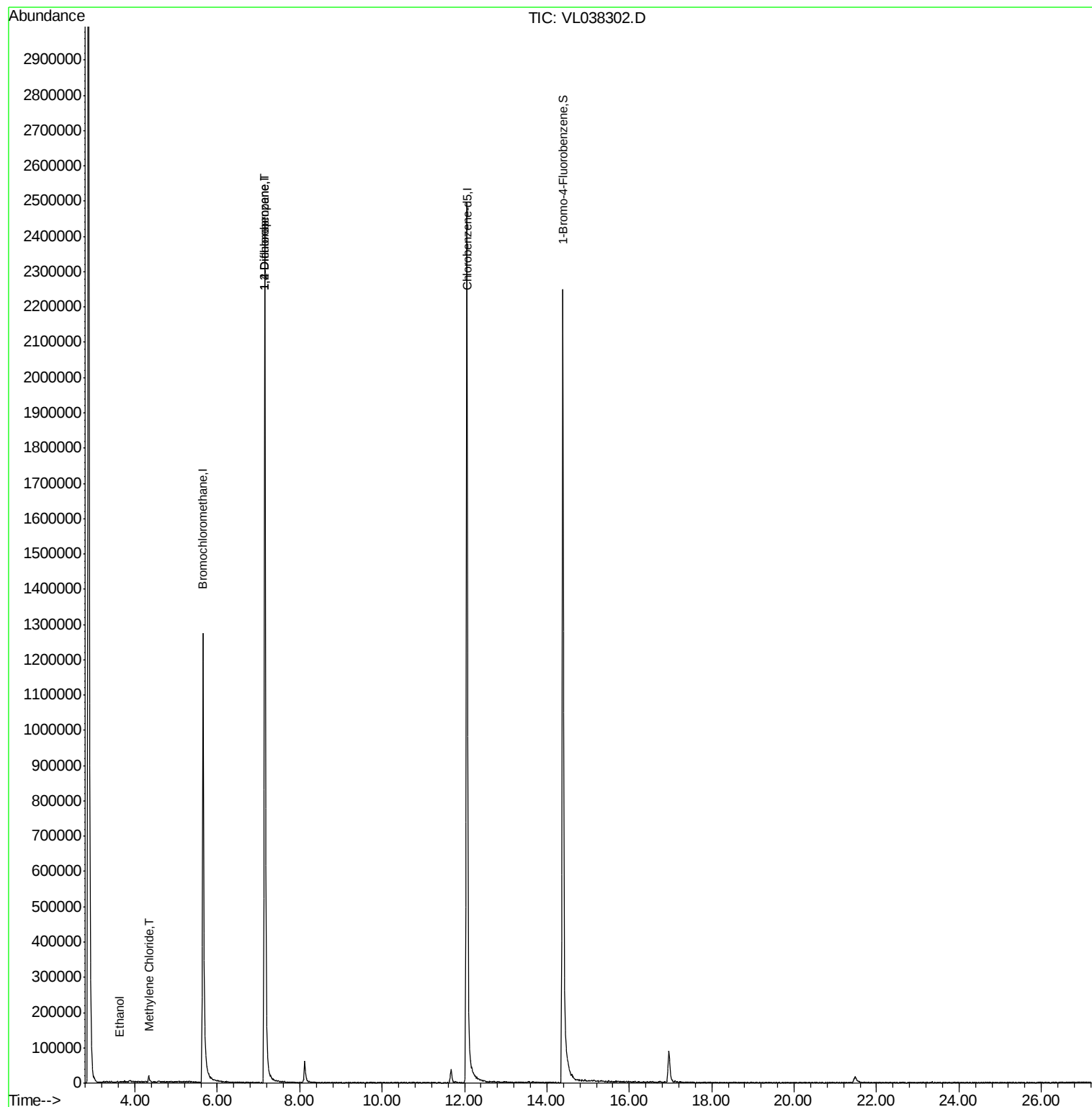
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 13) Ethanol             | 3.62 | 45   | 244      | 0.044 | ppbv # | 1      |
| 20) Methylene Chloride  | 4.33 | 84   | 5463     | 0.135 | ppbv   | 90     |
| 39) 1,2-Dichloropropane | 7.15 | 63   | 550691   | 7.385 | ppbv # | 25     |

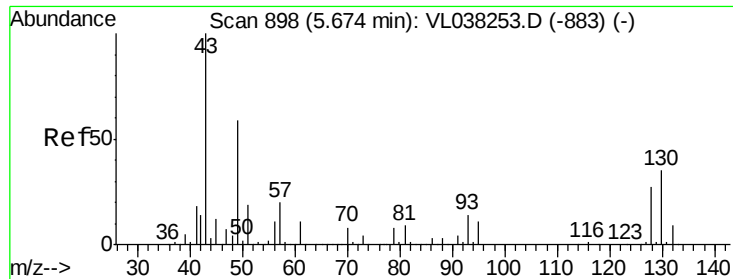
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QC012622 CAN 10718

Quant Time: Jan 28 05:14:07 2022  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_L\METHODS\VL012422AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Jan 24 14:12:48 2022  
QLast Update : Mon Jan 24 14:12:48 2022  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId: OC012622 CAN 10718

Acq: 27 Jan 2022 18:39

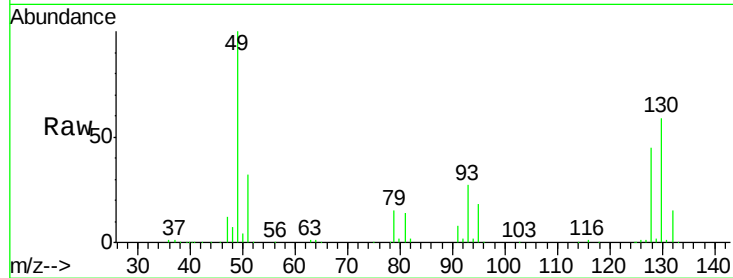
Tgt Ion: 49 Resp: 791956

Ion Ratio Lower Upper

49 100

128 46.3 24.5 73.5

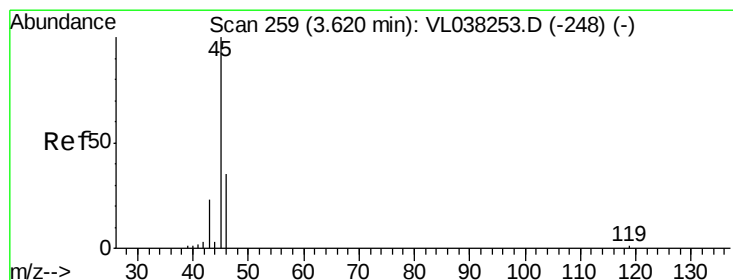
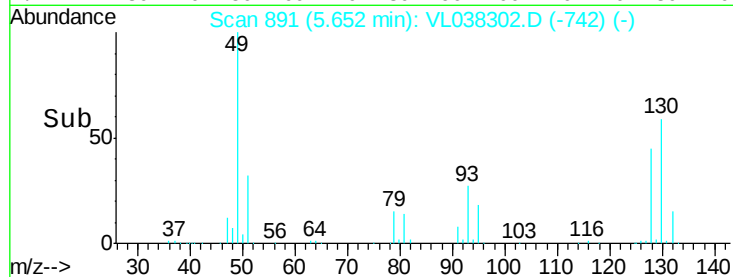
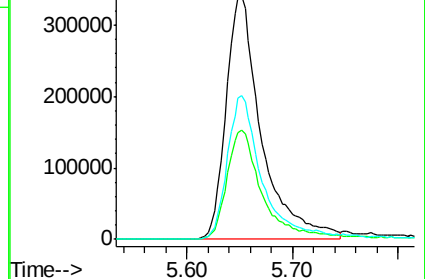
130 60.7 30.1 90.5



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



#13

Ethanol

Concen: 0.044 ppbv

RT: 3.62 min Scan# 258

Delta R.T. -0.00 min

Lab File: VL038302.D

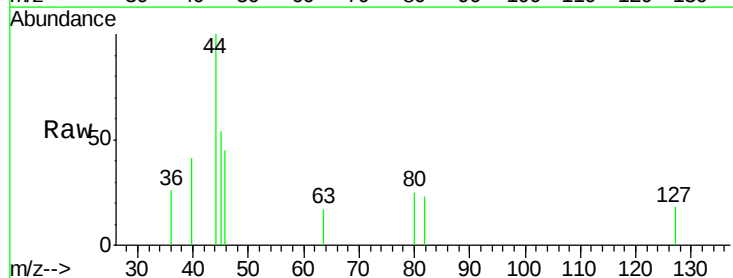
Acq: 27 Jan 2022 18:39

Tgt Ion: 45 Resp: 244

Ion Ratio Lower Upper

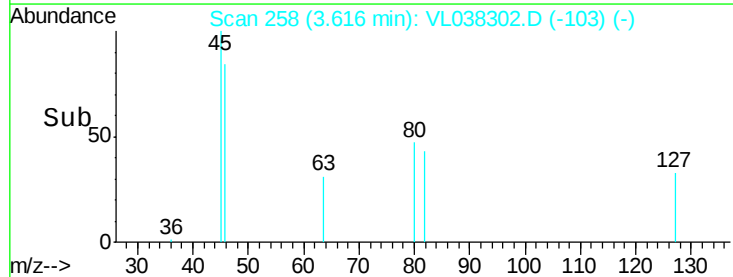
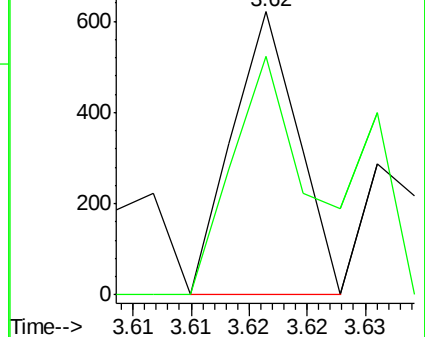
45 100

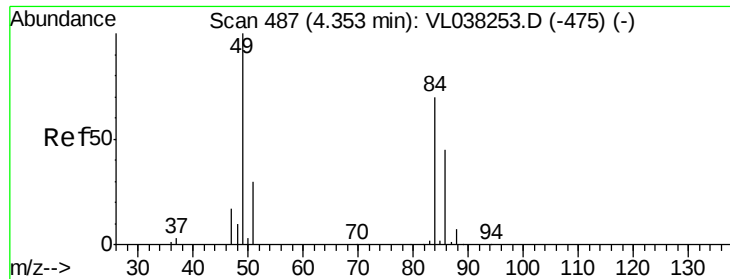
46 140.2 15.4 61.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

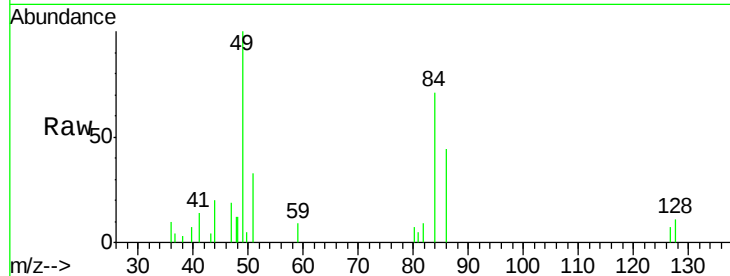




#20  
Methylene Chloride  
Concen: 0.135 ppbv  
RT: 4.33  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId:  
Acq: 27 Jan 2022 18:39  
QC012622 CAN 10718

Tgt Ion: 84 Resp: 5463

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 131.2 | 115.0 | 172.6 |
| 51  | 39.4  | 35.0  | 52.6  |
| 86  | 53.8  | 51.4  | 77.0  |

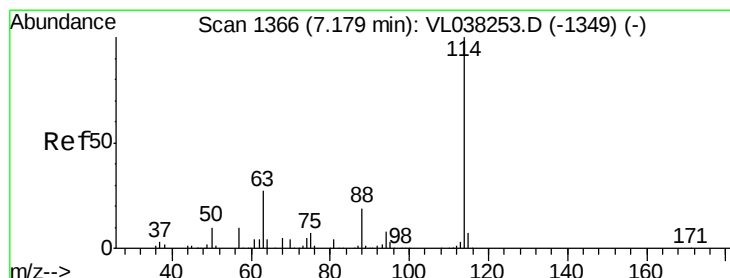
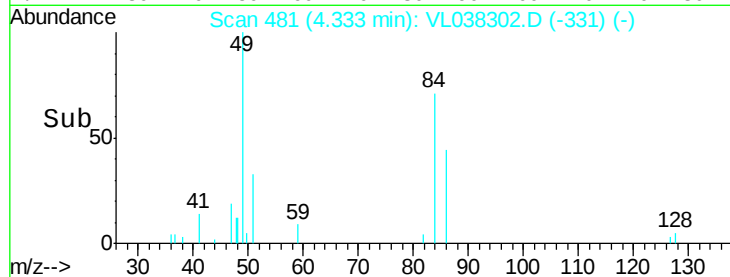
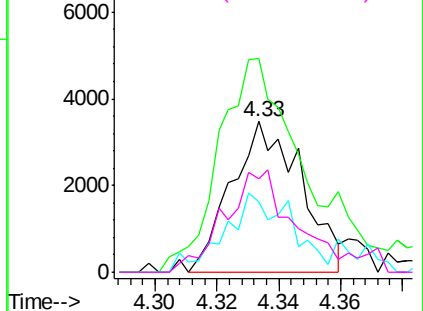


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

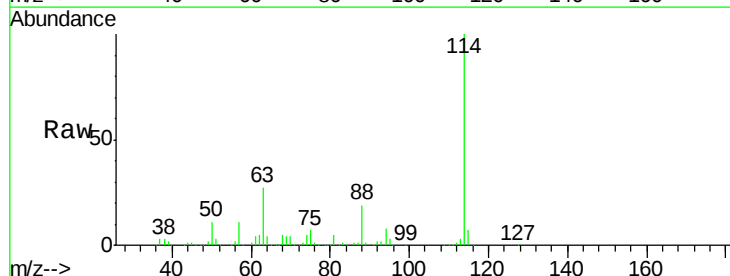
Ion 86.00 (85.70 to 86.70): VL0



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.15 min Scan# 1358  
Delta R.T. -0.03 min  
Lab File: VL038302.D  
Acq: 27 Jan 2022 18:39

Tgt Ion: 114 Resp: 2079370

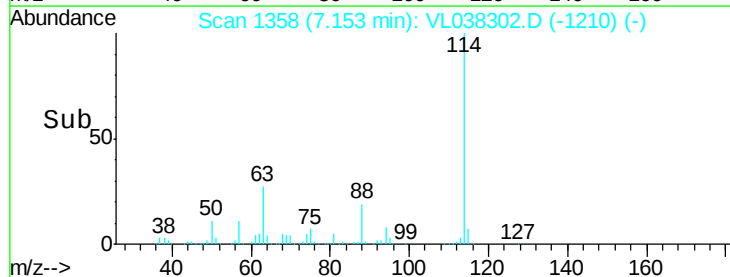
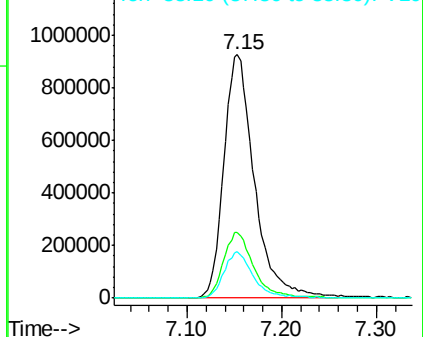
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 27.4  | 22.0  | 33.0  |
| 88  | 18.7  | 15.0  | 22.6  |

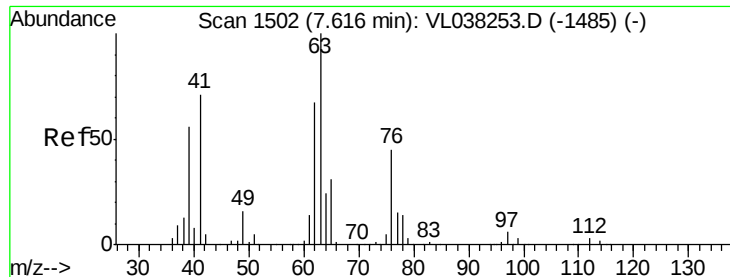


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

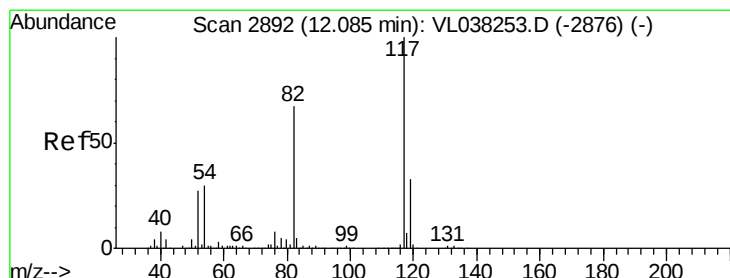
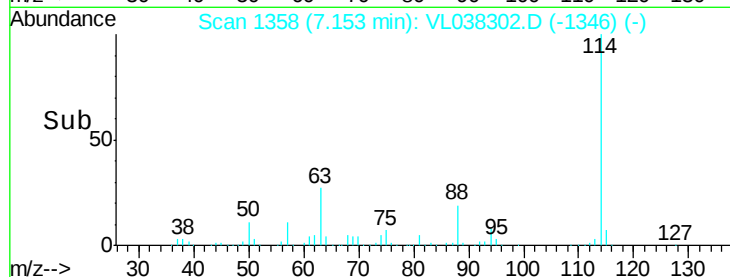
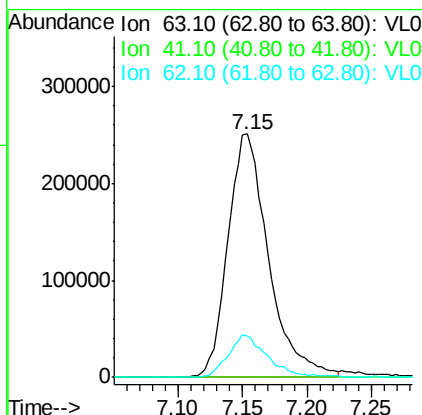
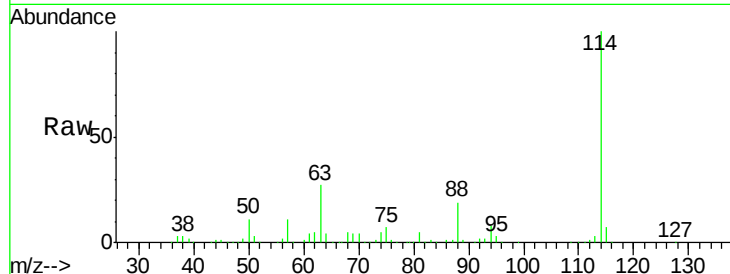
Ion 88.10 (87.80 to 88.80): VL0





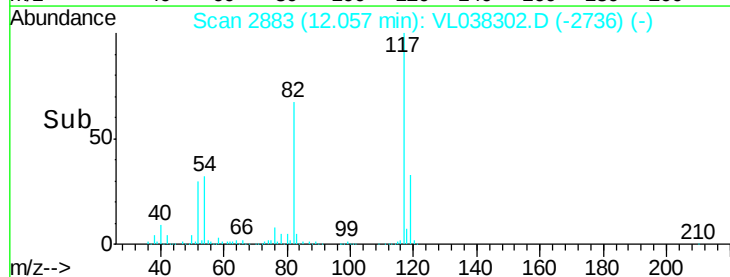
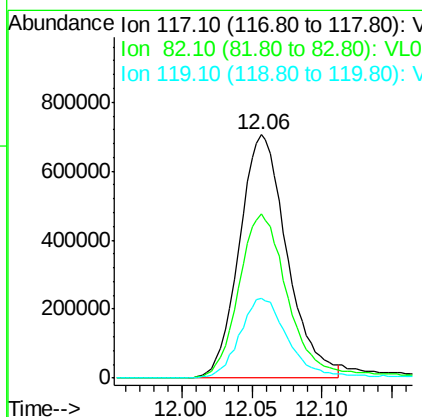
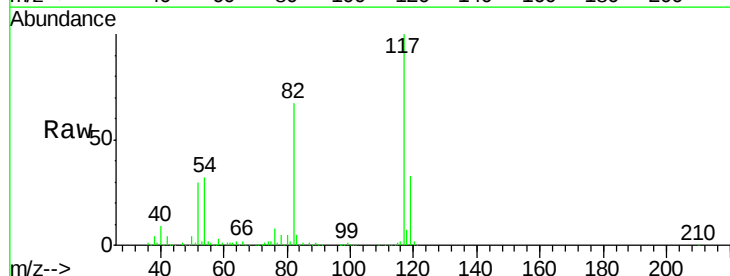
#39  
 1,2-Dichloropropane  
 Concen: 7.385 ppbv  
 RT: 7.15  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 OC012622 CAN 10718  
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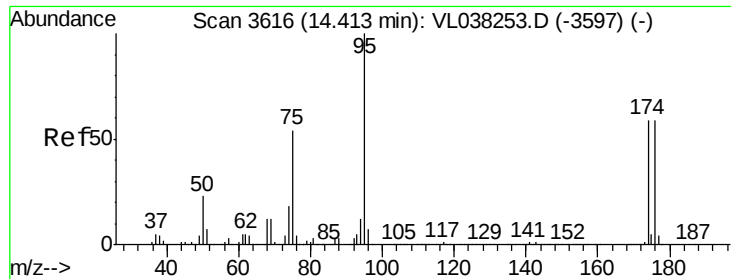
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 41      | 0.0   | 56.6  | 85.0# |
| 62      | 16.9  | 53.9  | 80.9# |



#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.06 min Scan# 2883  
 Delta R.T. -0.03 min  
 Lab File: VL038302.D  
 Acq: 27 Jan 2022 18:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 72.0  | 54.4  | 81.6  |
| 119     | 34.6  | 45.9  | 68.9# |





#68

1-Bromo-4-Fluorobenzene

Concen: 9.998 ppbv

RT: 14.38

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

QC012622 CAN 10718

Acq: 27 Jan 2022 18:59

Tgt Ion: 95 Resp: 1266787

Ion Ratio Lower Upper

95 100

174 60.7 48.3 72.5

175 4.4 3.5 5.3

