

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL062922\  
 Data File : VL039407.D  
 Acq On : 29 Jun 2022 22:22  
 Operator : SY/AP  
 Sample : QC062822 CAN 10297  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC062822 CAN 10297

Quant Time: Jun 30 05:43:19 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL062922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_LThu Jun 30 05:40:11 2022  
 QLast Update : Thu Jun 30 05:40:11 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1087573  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 3256874  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.07 | 117  | 2809540  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 2103422  | 10.09    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.90% |

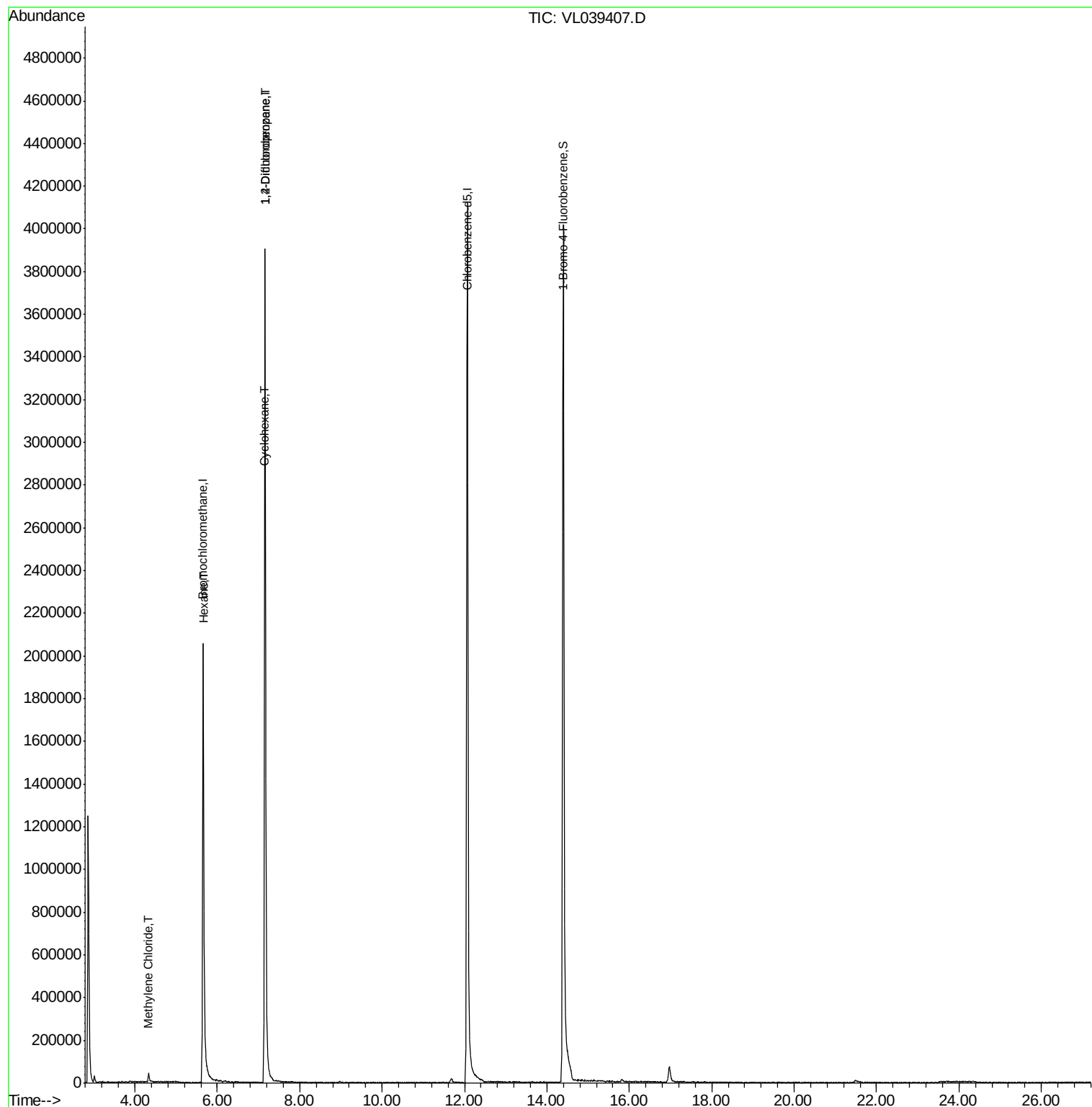
| Target Compounds        | R.T. | QIon | Response | Conc | Units  | Qvalue |
|-------------------------|------|------|----------|------|--------|--------|
| 20) Methylene Chloride  | 4.34 | 84   | 12463    | 0.24 | ppbv # | 87     |
| 26) Hexane              | 5.67 | 57   | 5636     | 0.05 | ppbv # | 31     |
| 30) Cyclohexane         | 7.14 | 84   | 2471     | 0.03 | ppbv # | 1      |
| 39) 1,2-Dichloropropane | 7.16 | 63   | 813261   | 8.64 | ppbv # | 25     |

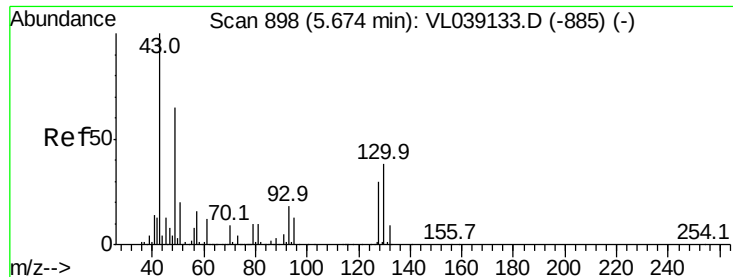
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_L\DATA\VL062922\  
Data File : VL039407.D  
Acq On : 29 Jun 2022 22:22  
Operator : SY/AP  
Sample : QC062822 CAN 10297  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
QC062822 CAN 10297

Quant Time: Jun 30 05:43:19 2022  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_L\METHODS\VL062922AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Jun 30 05:40:11 2022  
QLast Update : Thu Jun 30 05:40:11 2022  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 29 Jun 2022 22:22

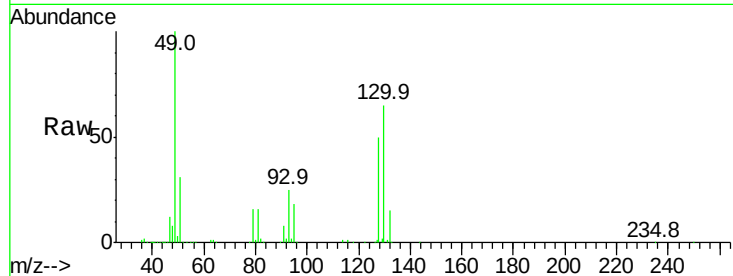
Tgt Ion: 49 Resp: 1087573

Ion Ratio Lower Upper

49 100

128 59.3 26.7 80.0

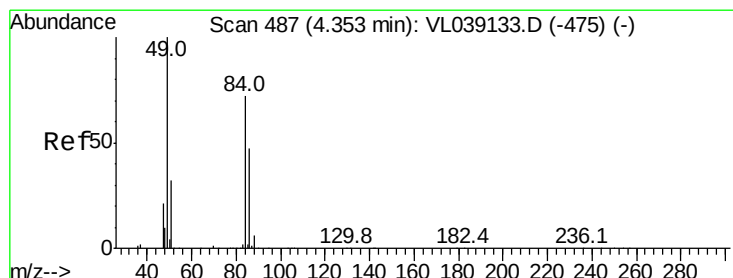
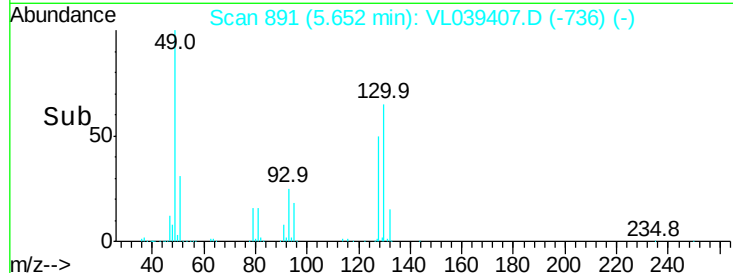
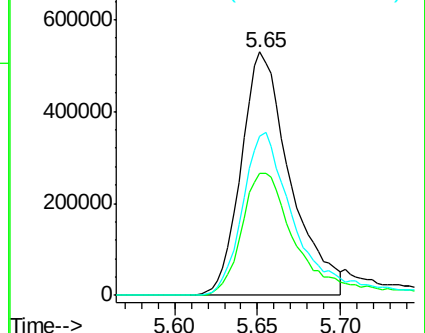
130 76.0 34.3 102.8



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



#20

Methylene Chloride

Concen: 0.24 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL039407.D

Acq: 29 Jun 2022 22:22

Tgt Ion: 84 Resp: 12463

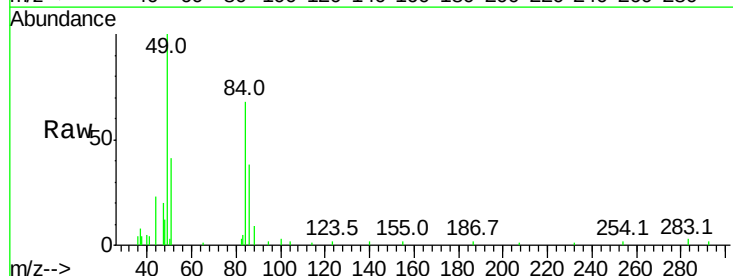
Ion Ratio Lower Upper

84 100

49 141.3 123.1 184.7

51 59.9 34.4 51.6#

86 55.5 51.1 76.7

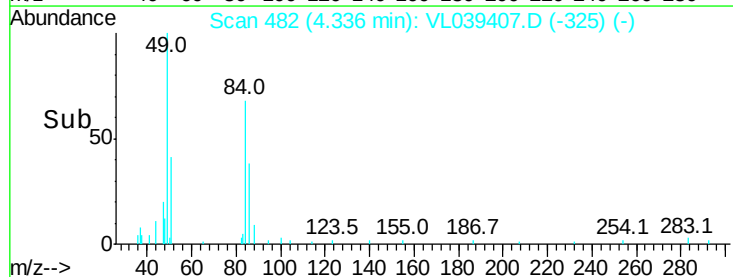
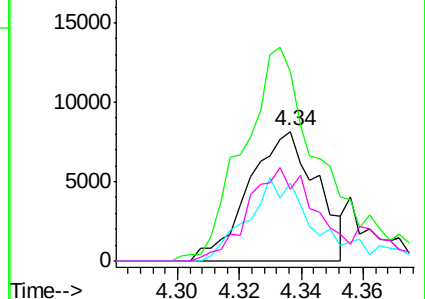


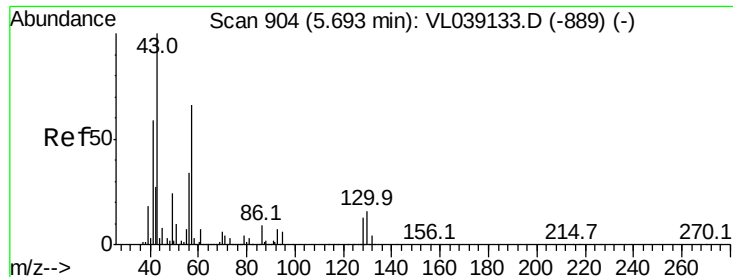
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#26

Hexane

Concen: 0.05 ppbv

RT: 5.67 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 29 Jun 2022 22:22

Tgt Ion: 57 Resp: 5636

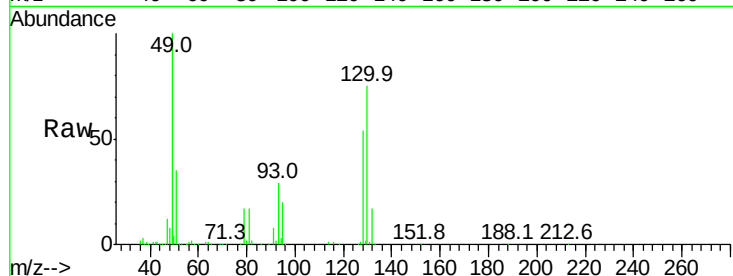
Ion Ratio Lower Upper

57 100

41 171.9 76.9 115.3#

43 120.5 191.0 286.6#

56 88.2 43.2 64.8#

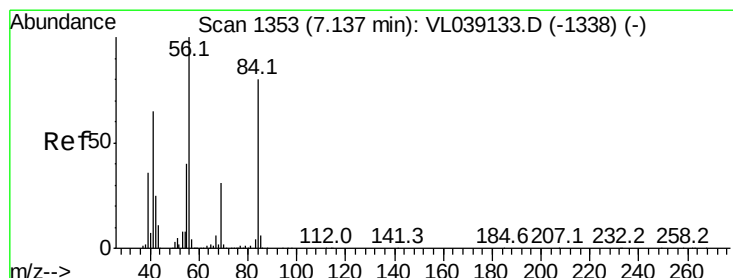
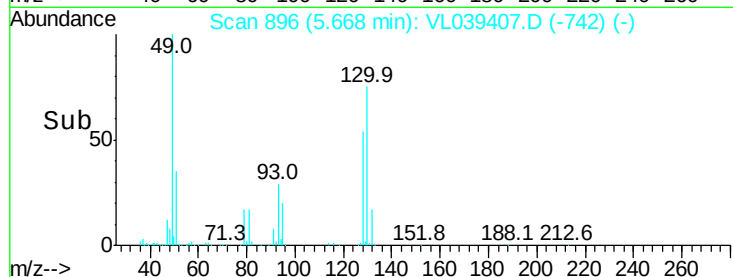
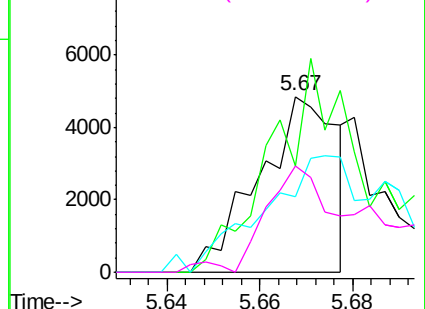


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#30

Cyclohexane

Concen: 0.03 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.03 min

Lab File: VL039407.D

Acq: 29 Jun 2022 22:22

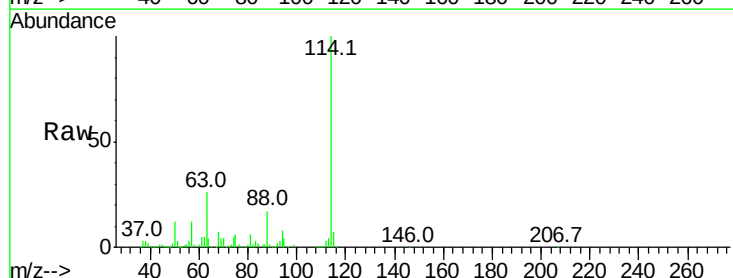
Tgt Ion: 84 Resp: 2471

Ion Ratio Lower Upper

84 100

56 0.0 107.7 161.5#

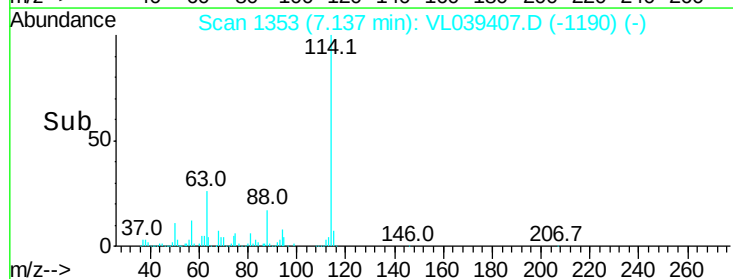
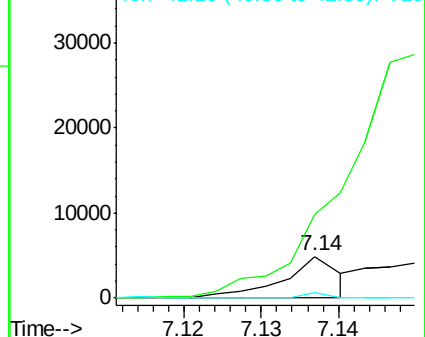
41 4.0 67.7 101.5#

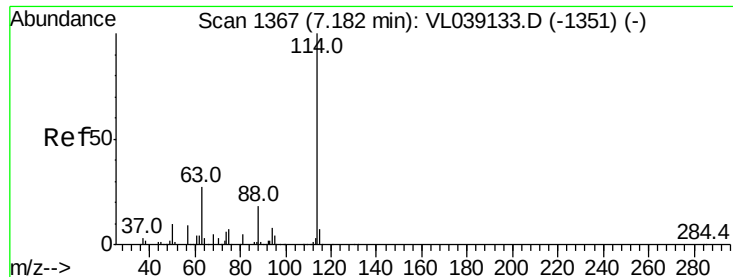


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

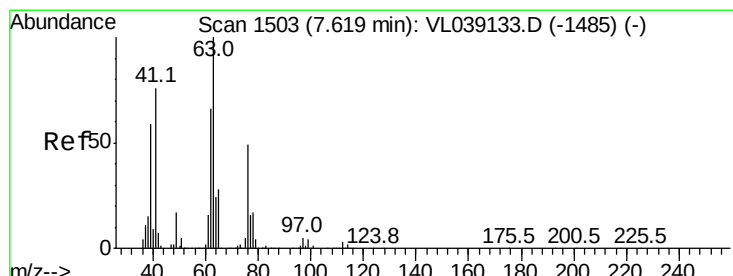
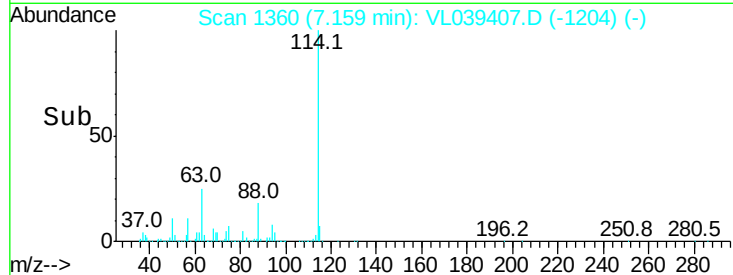
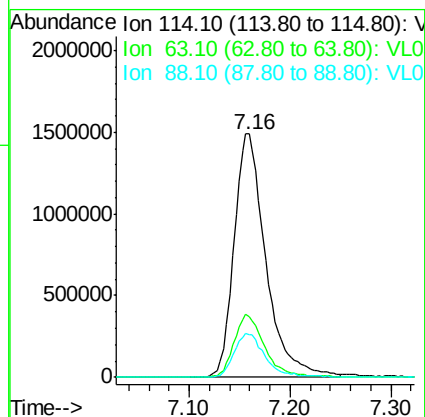
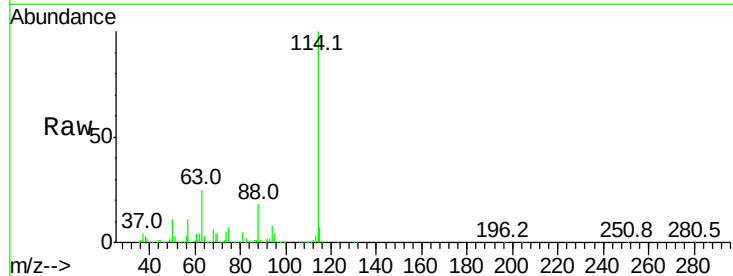




#33  
 1,4-Difluorobenzene  
 Concen: 10.00 ppbv  
 RT: 7.16  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 29 Jun 2022 22:22

Tgt Ion: 114 Resp: 3256874

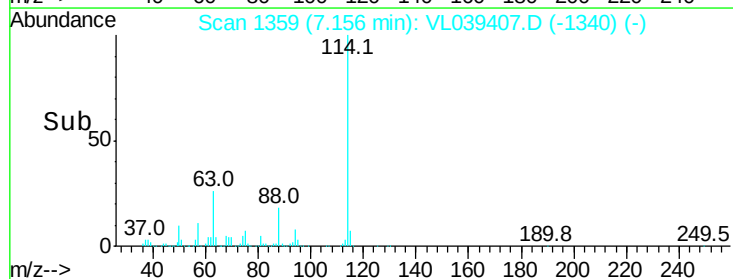
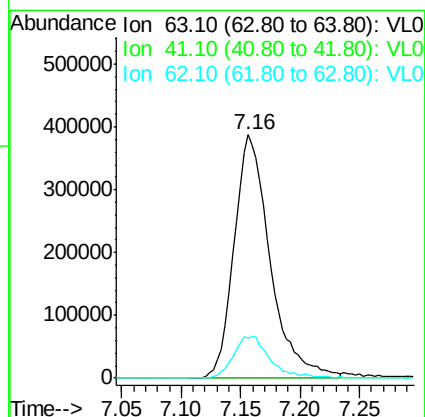
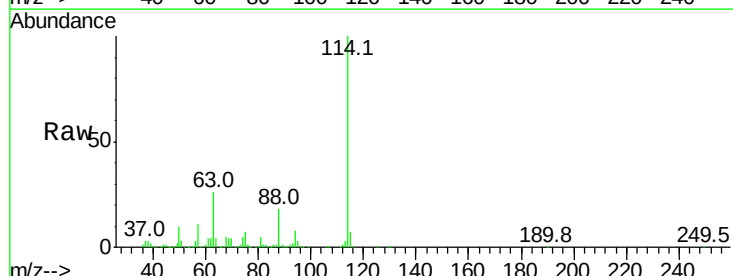
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 25.6  | 20.2  | 30.4  |
| 88  | 18.0  | 14.5  | 21.7  |

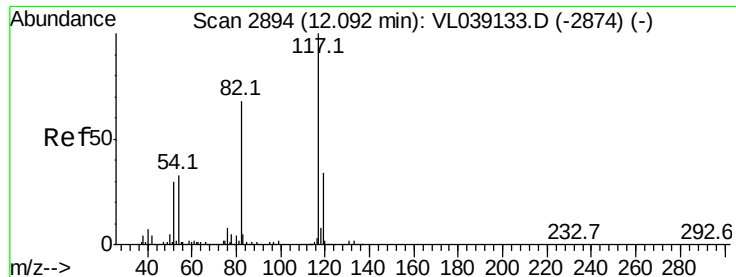


#39  
 1,2-Dichloropropane  
 Concen: 8.64 ppbv  
 RT: 7.16 min Scan# 1359  
 Delta R.T. -0.44 min  
 Lab File: VL039407.D  
 Acq: 29 Jun 2022 22:22

Tgt Ion: 63 Resp: 813261

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 0.0   | 59.6  | 89.4# |
| 62  | 16.2  | 51.4  | 77.0# |

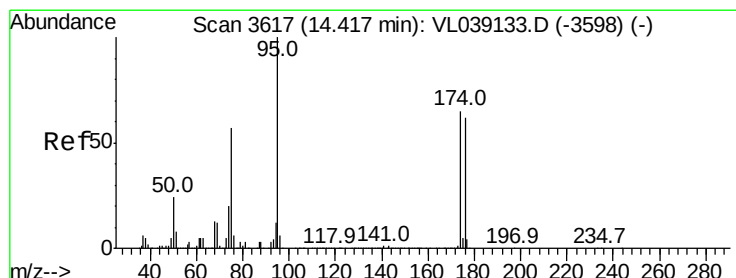
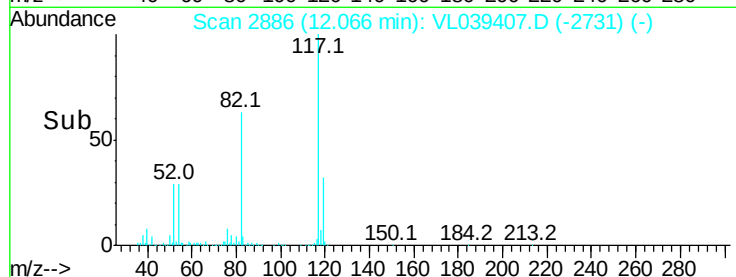
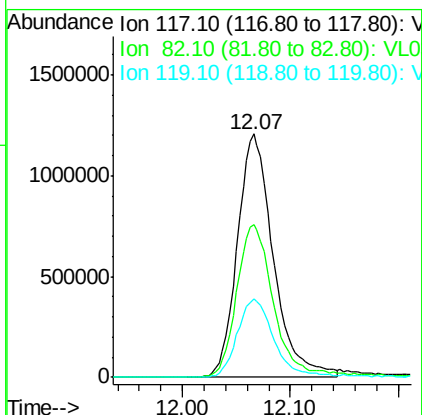
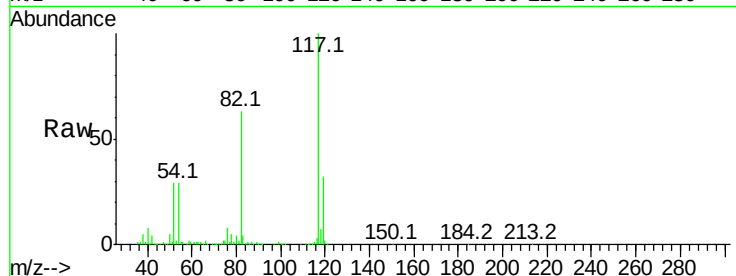




#55  
Chlorobenzene-d5  
Concen: 10.00 ppbv  
RT: 12.07 min  
Instrument: MSVOA\_1  
Delta R.T.: 0.00 min  
Lab File: ClientSampleId :  
Acq: 29 Jun 2022 22:22  
QC062822 CAN 10297

Tgt Ion: 117 Resp: 2809540

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 66.1  | 50.8  | 76.2  |
| 119 | 33.8  | 24.1  | 36.1  |



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.09 ppbv  
RT: 14.39 min Scan# 3610  
Delta R.T.: 0.00 min  
Lab File: VL039407.D  
Acq: 29 Jun 2022 22:22

Tgt Ion: 95 Resp: 2103422

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 71.6  | 55.9  | 83.9  |
| 175 | 5.4   | 4.2   | 6.4   |

