

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL030222\  
 Data File : VL038494.D  
 Acq On : 2 Mar 2022 22:52  
 Operator : SY/AP  
 Sample : CAN 10795  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 CAN 10795

Quant Time: Mar 03 00:09:20 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL022222AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Tue Feb 22 19:45:51 2022  
 QLast Update : Tue Feb 22 19:45:51 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 849860   | 10.00 | ppbv  | 0.02     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 2056716  | 10.00 | ppbv  | 0.03     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 1845209  | 10.00 | ppbv  | 0.03     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 1462678  | 9.58     | ppbv | 0.03   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 95.80% |

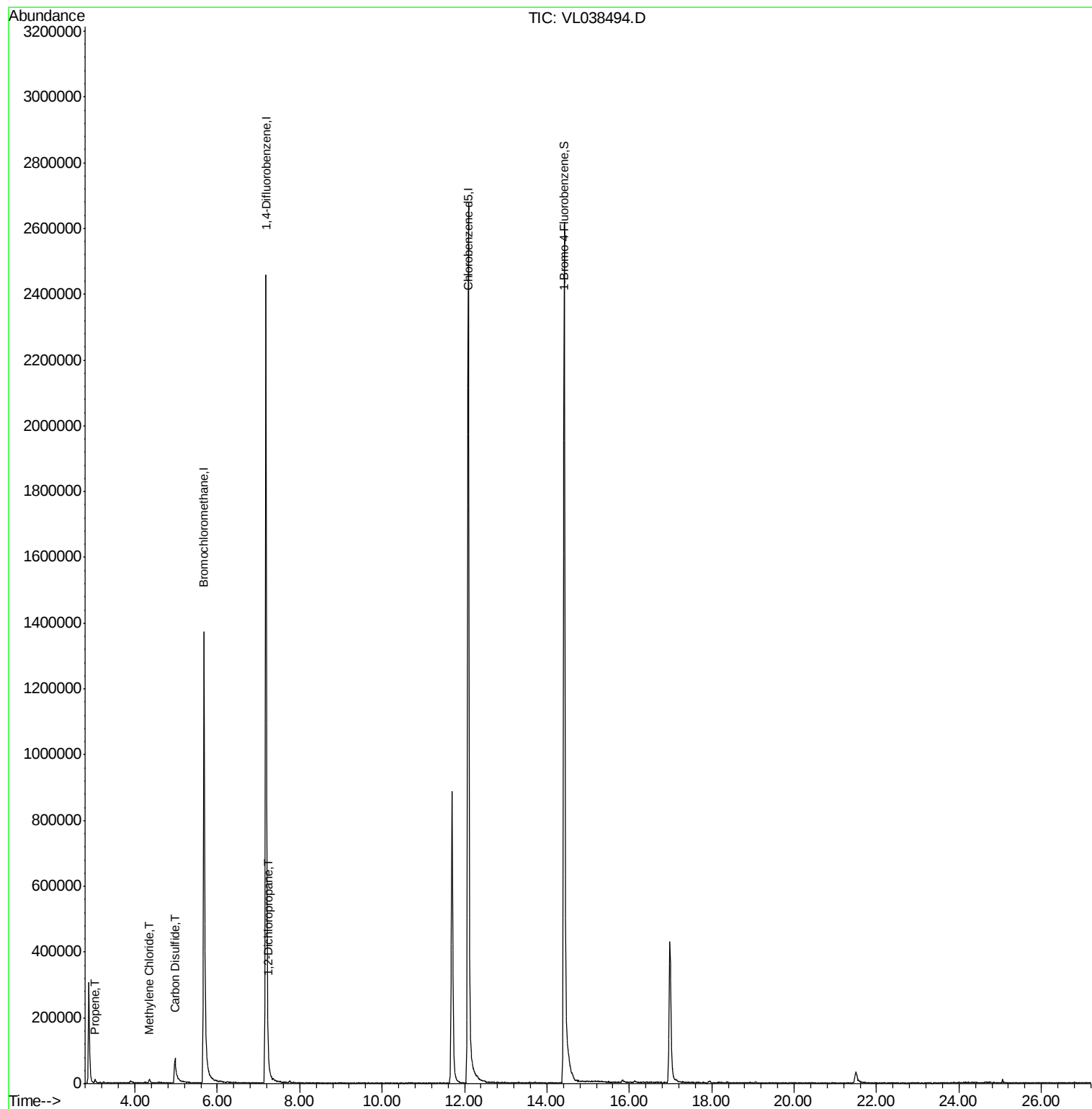
| Target Compounds        | R.T. | QIon | Response | Conc | Units  | Qvalue |
|-------------------------|------|------|----------|------|--------|--------|
| 9) Propene              | 3.02 | 41   | 1645     | 0.03 | ppbv # | 16     |
| 20) Methylene Chloride  | 4.35 | 84   | 3723     | 0.10 | ppbv # | 83     |
| 27) Carbon Disulfide    | 4.96 | 76   | 3349     | 0.03 | ppbv # | 70     |
| 39) 1,2-Dichloropropane | 7.23 | 63   | 6048     | 0.08 | ppbv # | 26     |

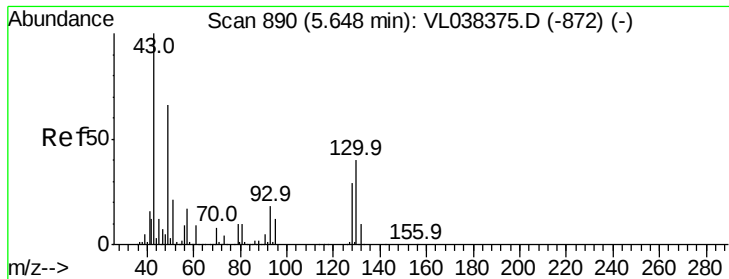
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_L\METHODS\VL022222AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Feb 22 19:45:51 2022  
QLast Update : Tue Feb 22 19:45:51 2022  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 22:52

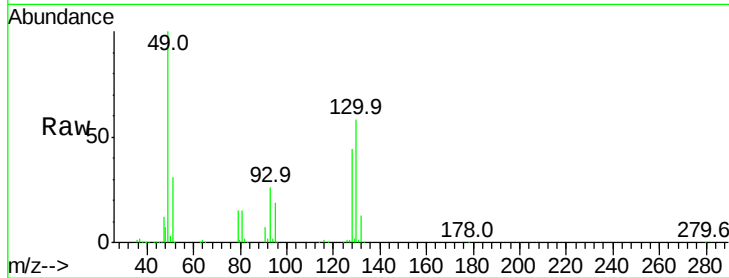
Tgt Ion: 49 Resp: 849860

Ion Ratio Lower Upper

49 100

128 47.0 24.3 72.9

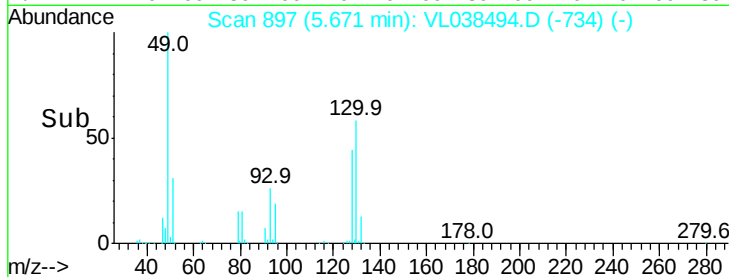
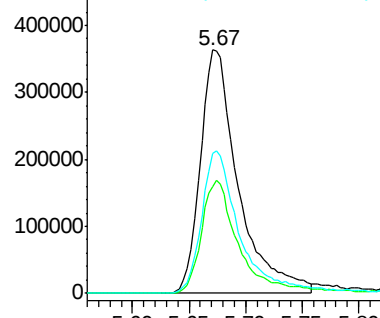
130 60.9 30.1 90.5



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



#9

Propene

Concen: 0.03 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL038494.D

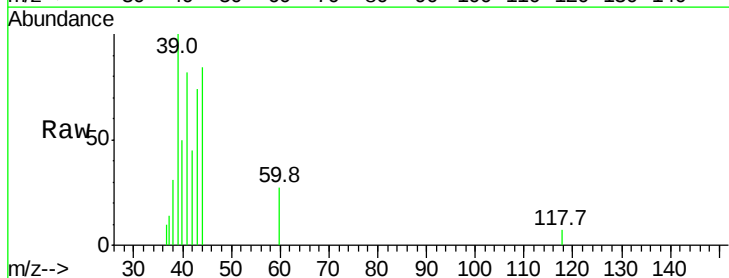
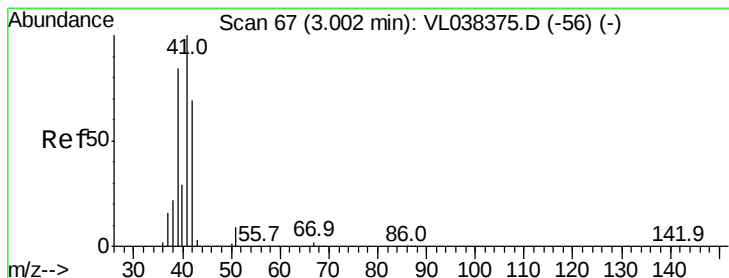
Acq: 2 Mar 2022 22:52

Tgt Ion: 41 Resp: 1645

Ion Ratio Lower Upper

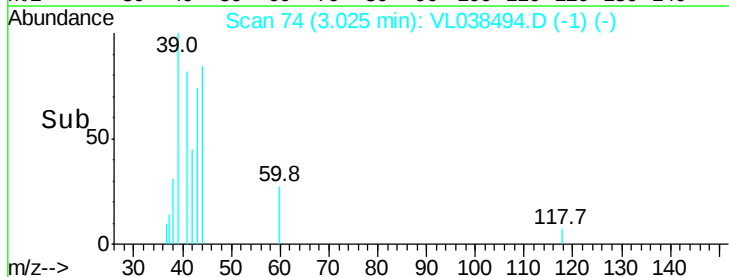
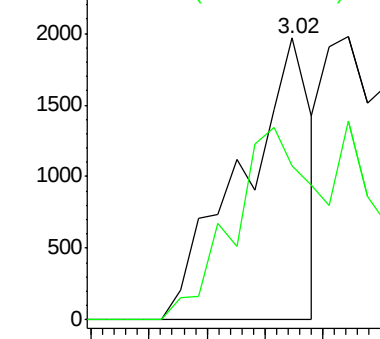
41 100

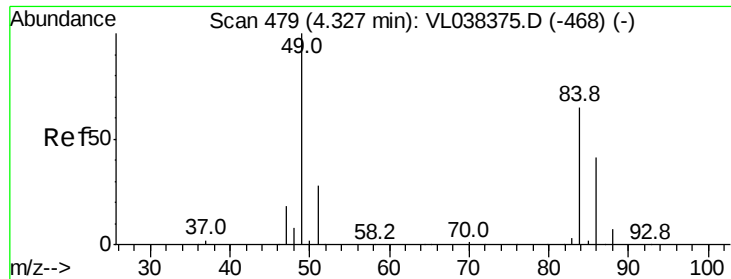
42 0.0 54.6 82.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

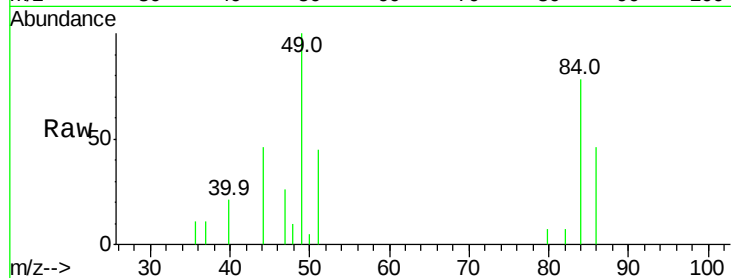
Ion 42.10 (41.80 to 42.80): VL0



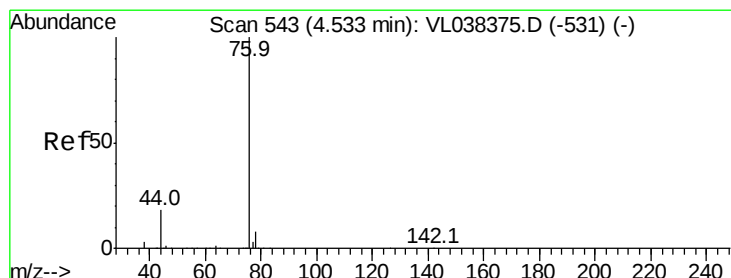
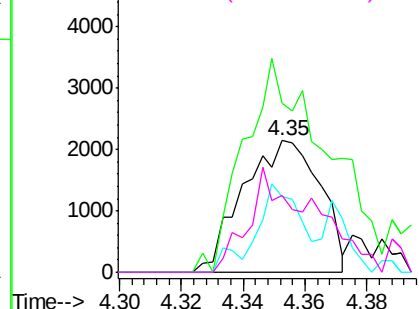
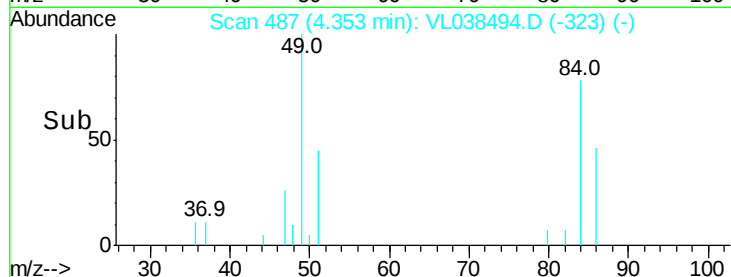


#20  
Methylene Chloride  
Concen: 0.10 ppbv  
RT: 4.35  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 2 Mar 2022 22:52

Tgt Ion: 84 Resp: 3723  
Ion Ratio Lower Upper  
84 100  
49 128.9 122.4 183.6  
51 57.9 33.3 49.9#  
86 58.8 50.7 76.1

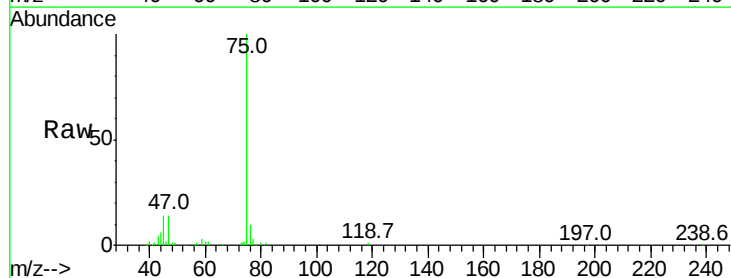


Abundance Ion 84.00 (83.70 to 84.70): VL0  
Ion 49.10 (48.80 to 49.80): VL0  
Ion 51.10 (50.80 to 51.80): VL0  
Ion 86.00 (85.70 to 86.70): VL0

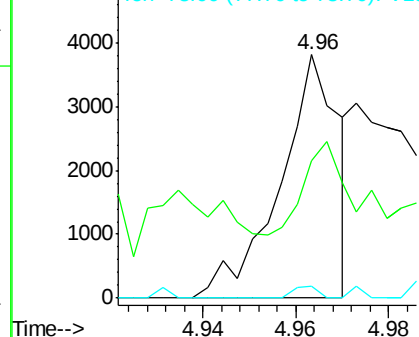
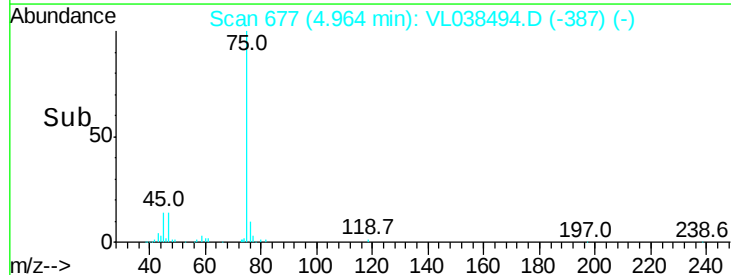


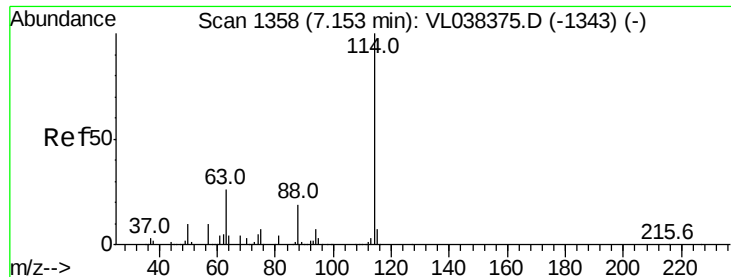
#27  
Carbon Disulfide  
Concen: 0.03 ppbv  
RT: 4.96 min Scan# 677  
Delta R.T. 0.43 min  
Lab File: VL038494.D  
Acq: 2 Mar 2022 22:52

Tgt Ion: 76 Resp: 3349  
Ion Ratio Lower Upper  
76 100  
44 33.8 14.2 21.2#  
78 3.1 7.8 11.6#



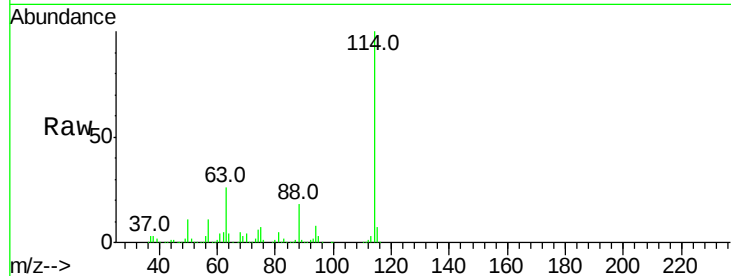
Abundance Ion 76.00 (75.70 to 76.70): VL0  
Ion 44.10 (43.80 to 44.80): VL0  
Ion 78.00 (77.70 to 78.70): VL0



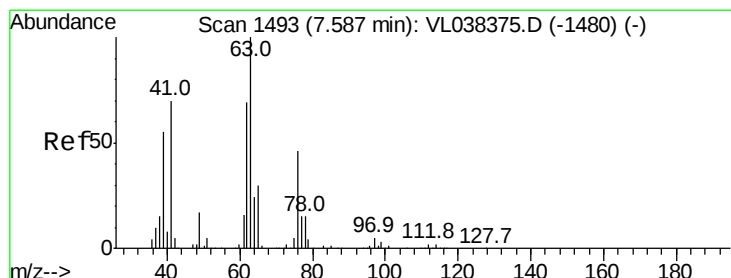
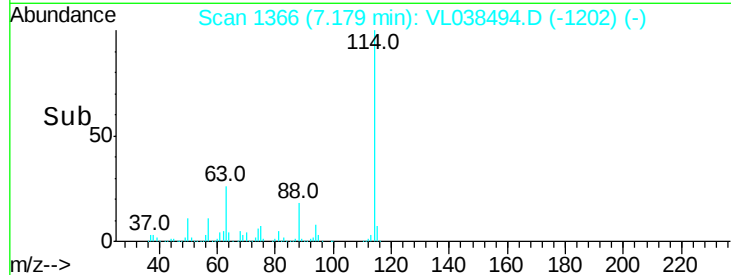
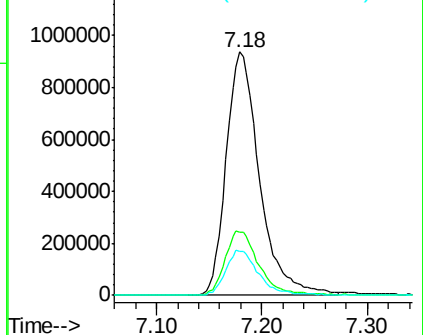


#33  
 1,4-Difluorobenzene  
 Concen: 10.00 ppbv  
 RT: 7.18  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 2 Mar 2022 22:52

Tgt Ion: 114 Resp: 2056716  
 Ion Ratio Lower Upper  
 114 100  
 63 27.3 22.2 33.2  
 88 18.4 15.2 22.8

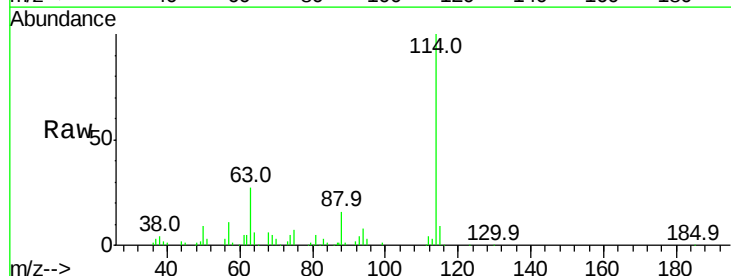


Abundance Ion 114.10 (113.80 to 114.80): VL0  
 Ion 63.10 (62.80 to 63.80): VL0  
 Ion 88.10 (87.80 to 88.80): VL0

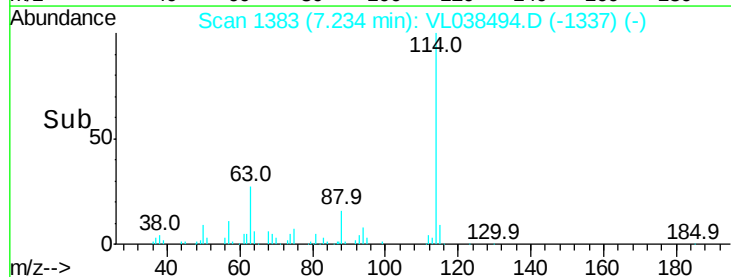
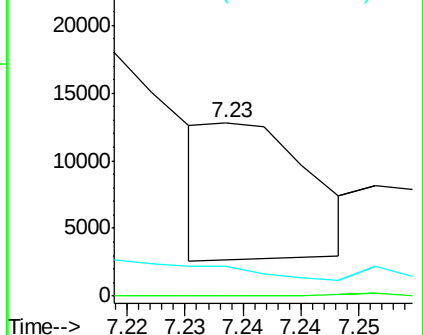


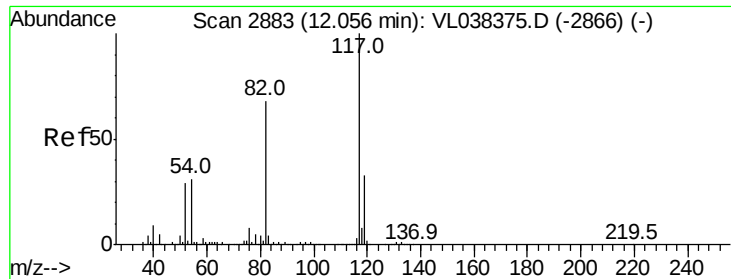
#39  
 1,2-Dichloropropane  
 Concen: 0.08 ppbv  
 RT: 7.23 min Scan# 1383  
 Delta R.T. -0.35 min  
 Lab File: VL038494.D  
 Acq: 2 Mar 2022 22:52

Tgt Ion: 63 Resp: 6048  
 Ion Ratio Lower Upper  
 63 100  
 41 0.0 56.1 84.1#  
 62 18.9 55.5 83.3#



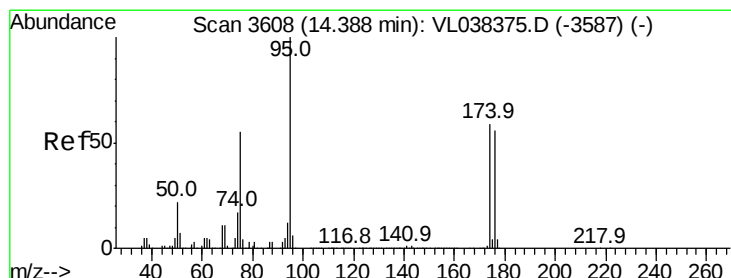
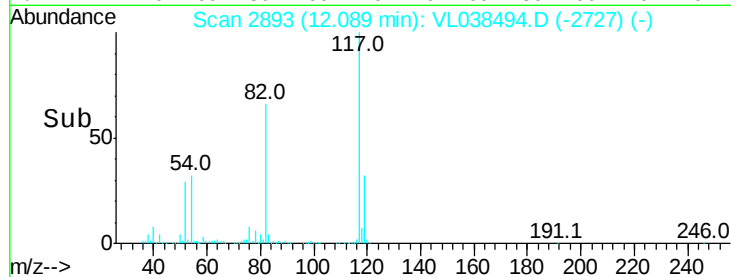
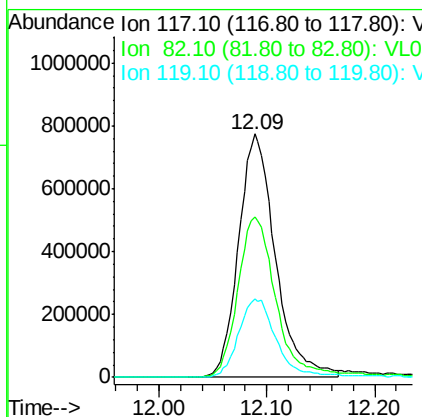
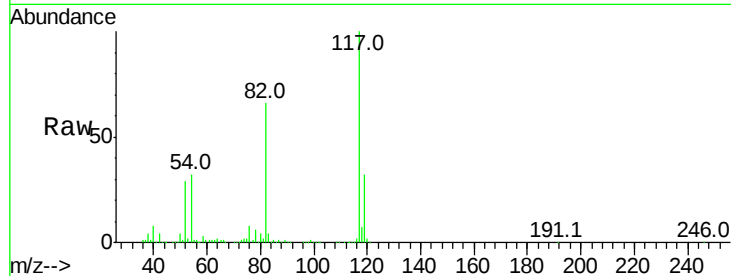
Abundance Ion 63.10 (62.80 to 63.80): VL0  
 Ion 41.10 (40.80 to 41.80): VL0  
 Ion 62.10 (61.80 to 62.80): VL0





#55  
 Chlorobenzene-d5  
 Concen: 10.00 ppbv  
 RT: 12.09 min  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId :  
 Acq: 2 Mar 2022 22:52

Tgt Ion: 117 Resp: 1845209  
 Ion Ratio Lower Upper  
 117 100  
 82 71.0 54.9 82.3  
 119 33.4 46.1 69.1#



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.58 ppbv  
 RT: 14.42 min Scan# 3618  
 Delta R.T.: 0.03 min  
 Lab File: VL038494.D  
 Acq: 2 Mar 2022 22:52

Tgt Ion: 95 Resp: 1462678  
 Ion Ratio Lower Upper  
 95 100  
 174 61.5 49.0 73.4  
 175 4.3 3.6 5.4

