

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL100422\  
 Data File : VL039694.D  
 Acq On : 4 Oct 2022 23:32  
 Operator : SY/AP  
 Sample : N4955-13 LOD 0.03  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 LOD-MDL-AIR-01-QT4-2022

Quant Time: Oct 05 04:43:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Sep 19 14:26:28 2022  
 Response via : Initial Calibration

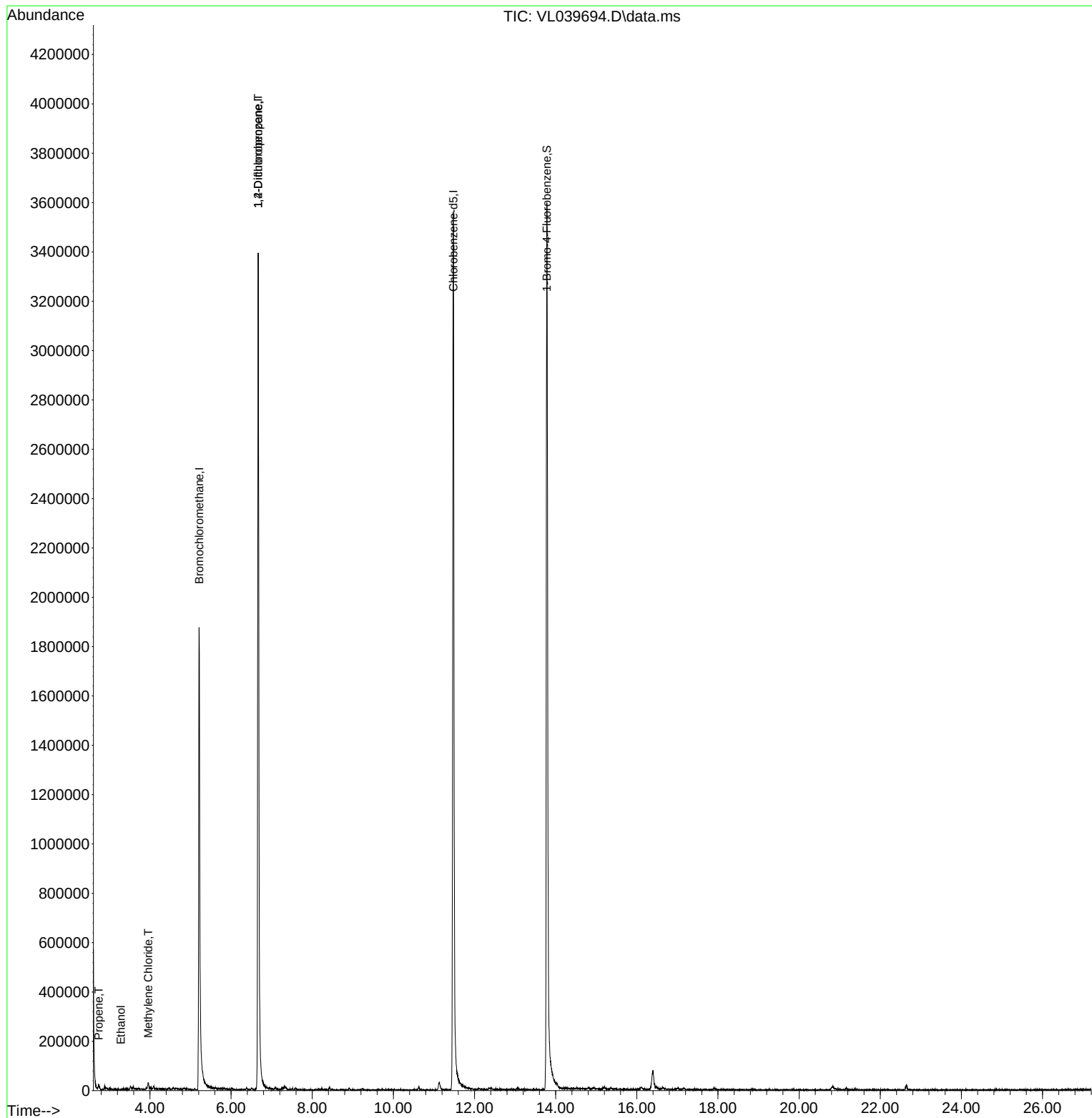
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.214  | 49    | 1036174  | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.667  | 114   | 2671103  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.478 | 117   | 2376435  | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.786 | 95    | 1781870  | 10.044   | ppbv   | 0.01     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 100.400% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 9) Propene                  | 2.735  | 41    | 5451     | 0.097    | ppbv   | 91       |
| 13) Ethanol                 | 3.282  | 45    | 165      | 0.039    | ppbv   | 84       |
| 20) Methylene Chloride      | 3.957  | 84    | 8140     | 0.153    | ppbv   | 95       |
| 39) 1,2-Dichloropropane     | 6.667  | 63    | 642855   | 8.152    | ppbv # | 26       |
| -----                       |        |       |          |          |        |          |

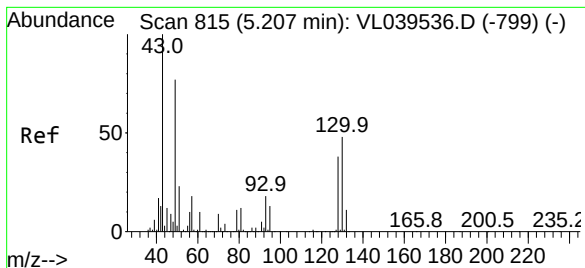
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL100422\  
Data File : VL039694.D  
Acq On : 4 Oct 2022 23:32  
Operator : SY/AP  
Sample : N4955-13 LOD 0.03  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
LOD-MDL-AIR-01-QT4-2022

Quant Time: Oct 05 04:43:48 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091922AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Mon Sep 19 14:26:28 2022  
Response via : Initial Calibration

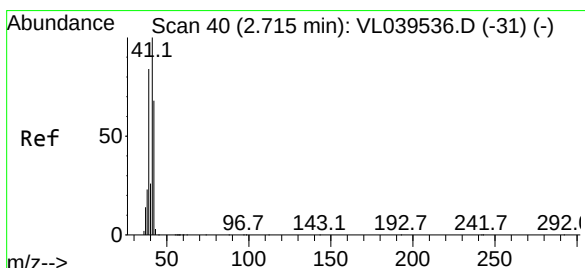
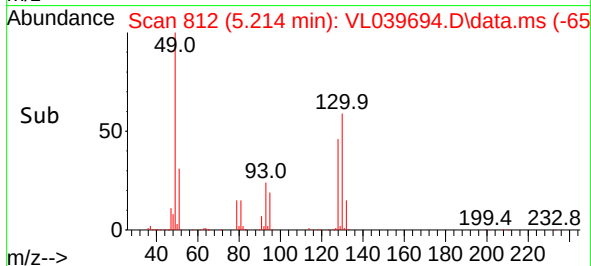
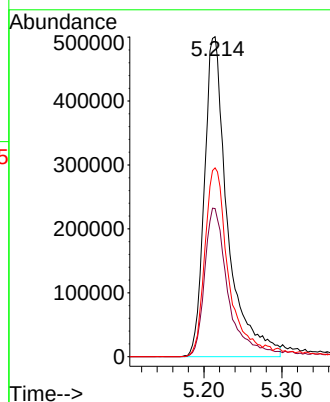
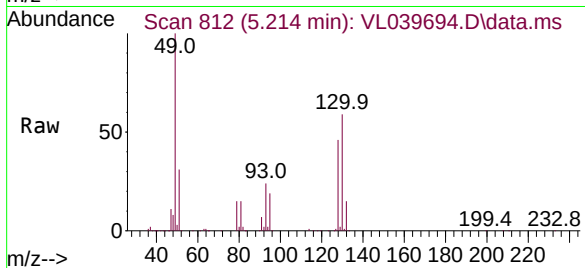




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.214 min Scan# 81  
Delta R.T. 0.007 min  
Lab File: VL039694.D  
Acq: 4 Oct 2022 23:32

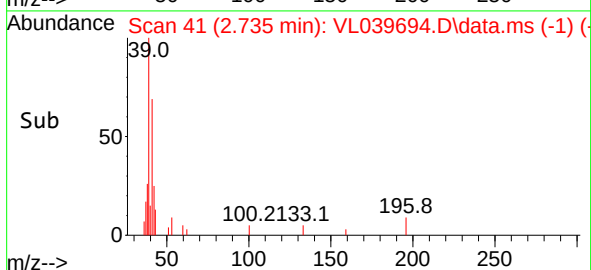
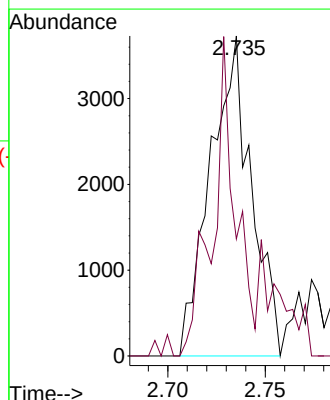
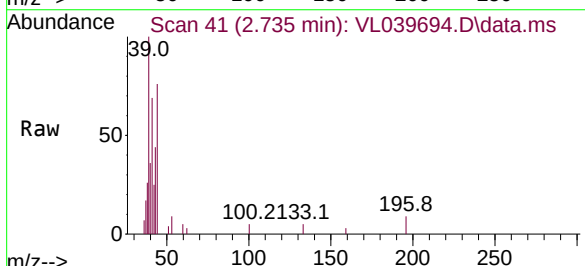
Instrument :  
MSVOA\_L  
ClientSampleId :  
LOD-MDL-AIR-01-QT4-2022

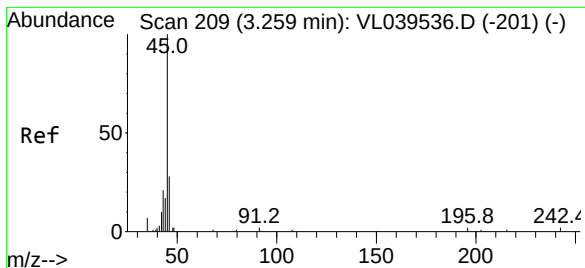
Tgt Ion: 49 Resp: 1036174  
Ion Ratio Lower Upper  
49 100  
128 49.6 26.7 80.0  
130 63.7 34.3 102.8



#9  
Propene  
Concen: 0.097 ppbv  
RT: 2.735 min Scan# 41  
Delta R.T. 0.020 min  
Lab File: VL039694.D  
Acq: 4 Oct 2022 23:32

Tgt Ion: 41 Resp: 5451  
Ion Ratio Lower Upper  
41 100  
42 76.4 55.2 82.8





#13

Ethanol

Concen: 0.039 ppbv

RT: 3.282 min Scan# 211

Delta R.T. 0.023 min

Lab File: VL039694.D

Acq: 4 Oct 2022 23:32

Instrument :

MSVOA\_L

ClientSampleId :

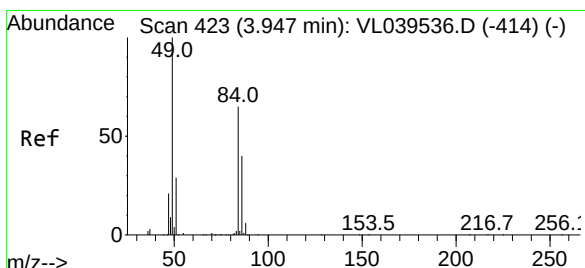
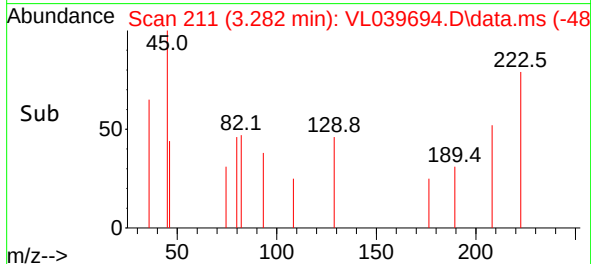
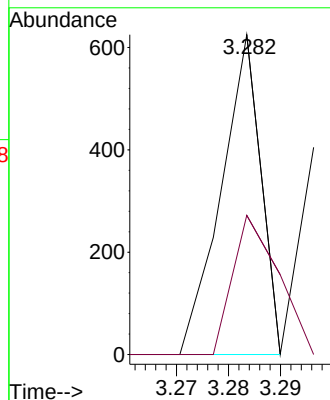
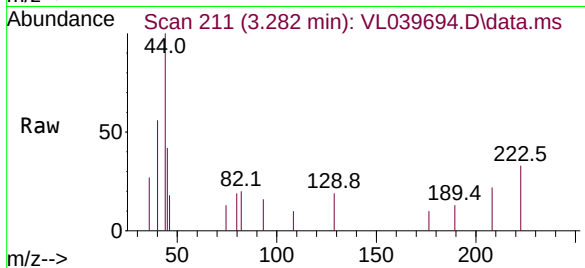
LOD-MDL-AIR-01-QT4-2022

Tgt Ion: 45 Resp: 165

Ion Ratio Lower Upper

45 100

46 68.5 22.8 91.2



#20

Methylene Chloride

Concen: 0.153 ppbv

RT: 3.957 min Scan# 421

Delta R.T. 0.010 min

Lab File: VL039694.D

Acq: 4 Oct 2022 23:32

Tgt Ion: 84 Resp: 8140

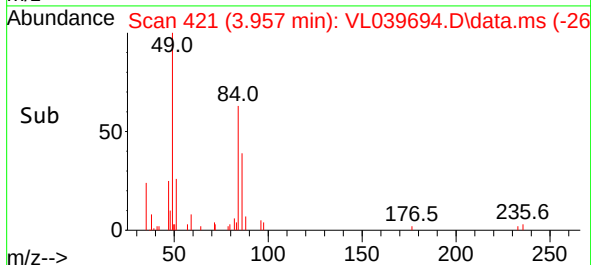
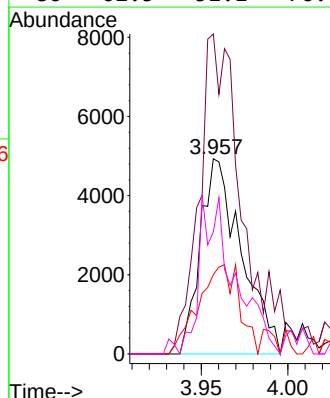
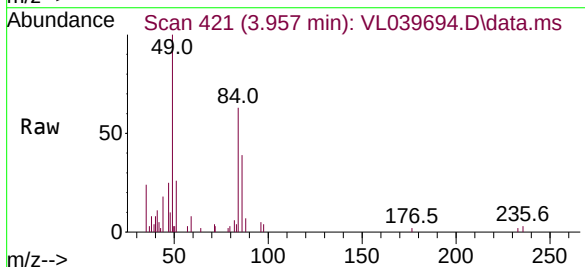
Ion Ratio Lower Upper

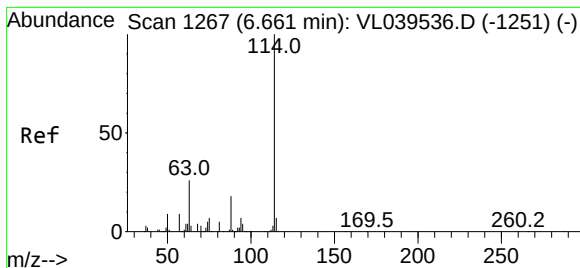
84 100

49 144.7 123.1 184.7

51 40.7 34.4 51.6

86 62.5 51.1 76.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.667 min Scan# 1264

Delta R.T. 0.007 min

Lab File: VL039694.D

Acq: 4 Oct 2022 23:32

Instrument :

MSVOA\_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2022

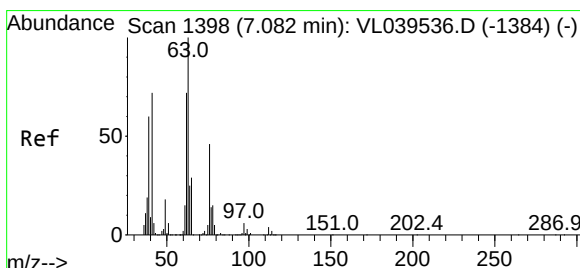
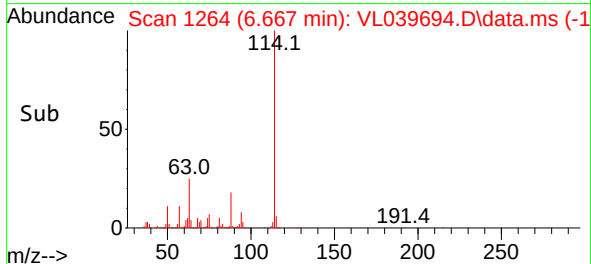
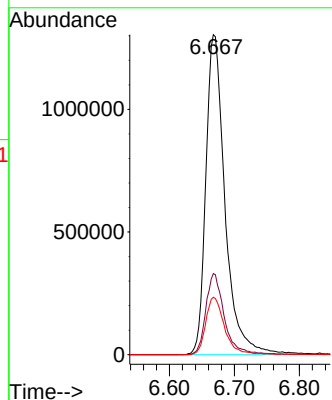
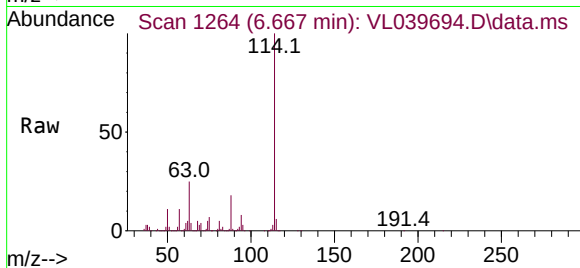
Tgt Ion:114 Resp: 2671103

Ion Ratio Lower Upper

114 100

63 24.8 20.2 30.4

88 17.8 14.5 21.7



#39

1,2-Dichloropropane

Concen: 8.152 ppbv

RT: 6.667 min Scan# 1264

Delta R.T. -0.414 min

Lab File: VL039694.D

Acq: 4 Oct 2022 23:32

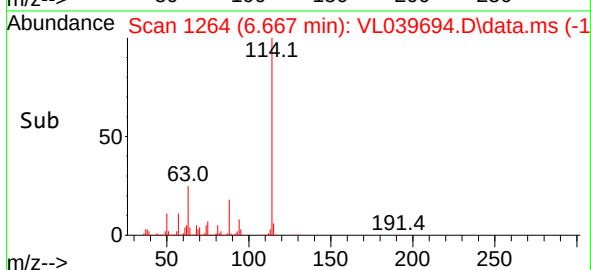
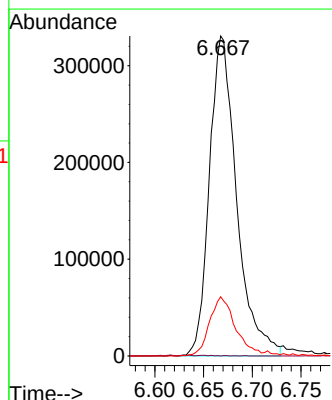
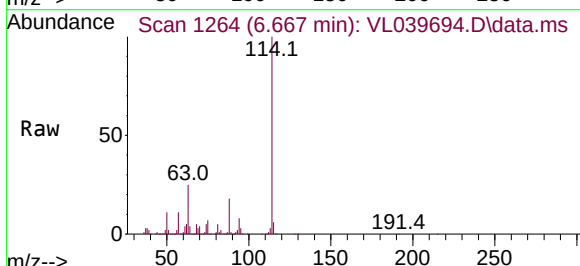
Tgt Ion: 63 Resp: 642855

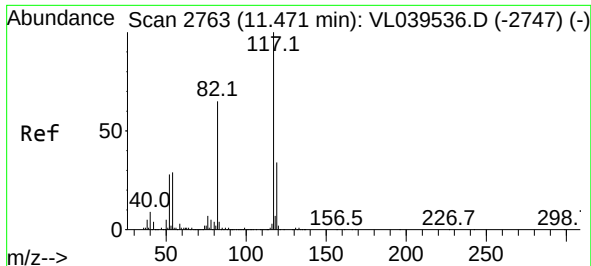
Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 18.4 51.4 77.0#

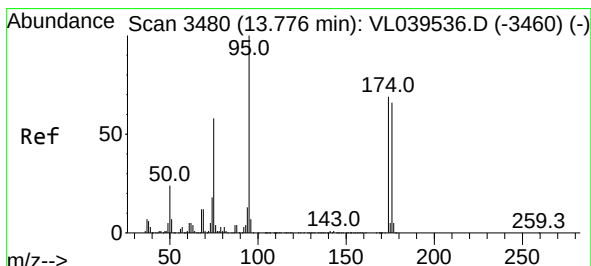
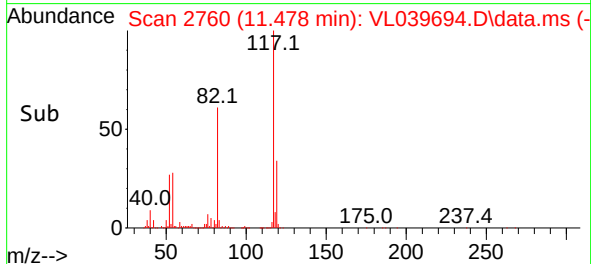
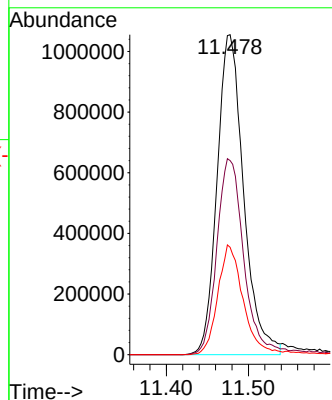
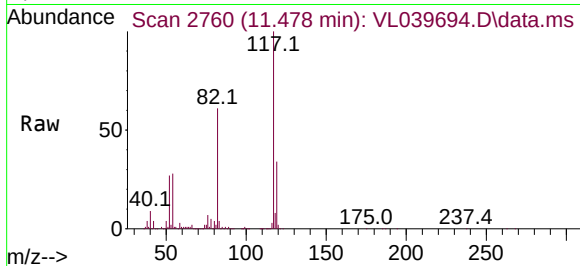




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.478 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: VL039694.D  
Acq: 4 Oct 2022 23:32

Instrument :  
MSVOA\_L  
ClientSampleId :  
LOD-MDL-AIR-01-QT4-2022

Tgt Ion:117 Resp: 2376435  
Ion Ratio Lower Upper  
117 100  
82 63.3 50.8 76.2  
119 34.1 24.1 36.1



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.044 ppbv  
RT: 13.786 min Scan# 3478  
Delta R.T. 0.010 min  
Lab File: VL039694.D  
Acq: 4 Oct 2022 23:32

Tgt Ion: 95 Resp: 1781870  
Ion Ratio Lower Upper  
95 100  
174 72.3 55.9 83.9  
175 5.1 4.2 6.4

