

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL061422\  
 Data File : VL039281.D  
 Acq On : 14 Jun 2022 14:28  
 Operator : SY/AP  
 Sample : VL0614ABL01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0614ABL01

Quant Time: Jun 15 03:19:11 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL053122AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Jun 01 01:22:18 2022  
 QLast Update : Wed Jun 01 01:22:18 2022  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.671  | 49   | 1216387  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.176  | 114  | 3592589  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.082 | 117  | 3186789  | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 14.413 | 95    | 2429821  | 9.223    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 92.200% |

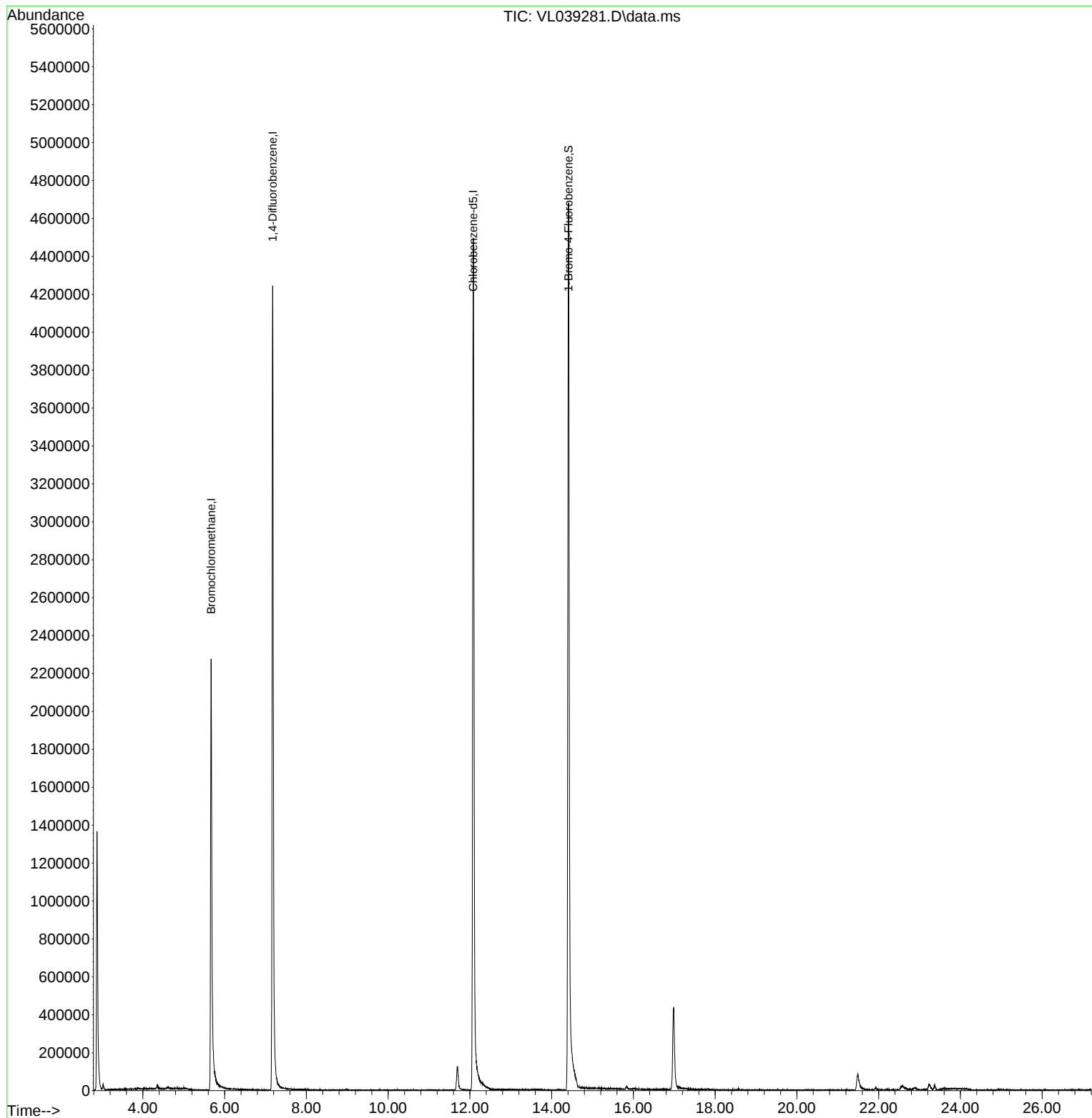
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

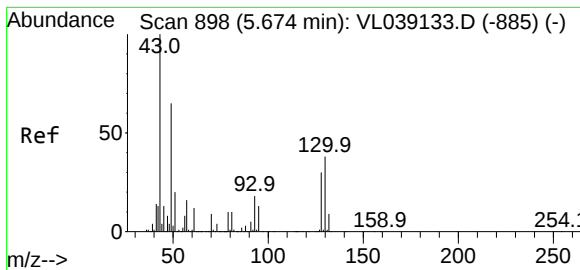
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL061422\  
Data File : VL039281.D  
Acq On : 14 Jun 2022 14:28  
Operator : SY/AP  
Sample : VL0614ABL01  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0614ABL01

Quant Time: Jun 15 03:19:11 2022  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL053122AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Jun 01 01:22:18 2022  
QLast Update : Wed Jun 01 01:22:18 2022  
Response via : Initial Calibration



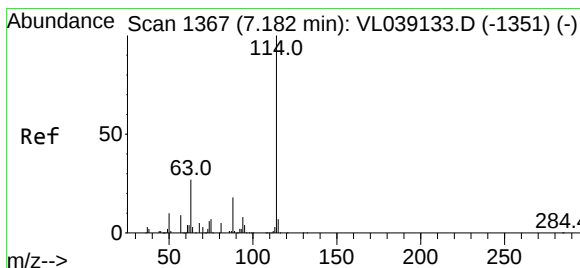
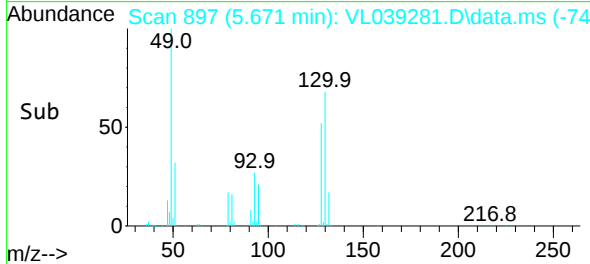
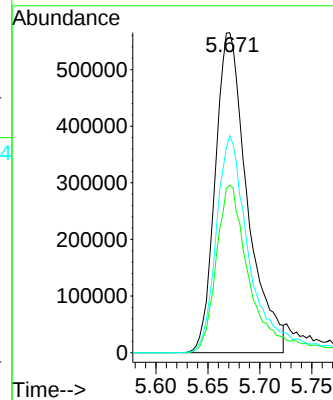
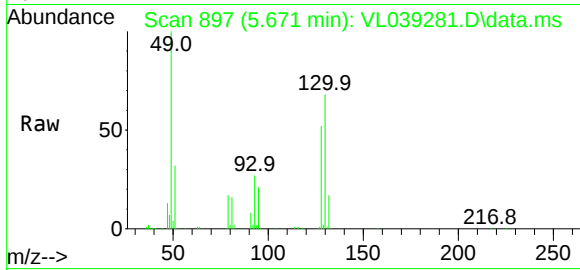


#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.671 min Scan# 898  
 Delta R.T. -0.003 min  
 Lab File: VL039281.D  
 Acq: 14 Jun 2022 14:28

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0614ABL01

Tgt Ion: 49 Resp: 1216387

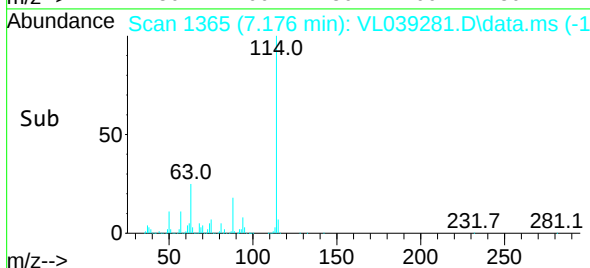
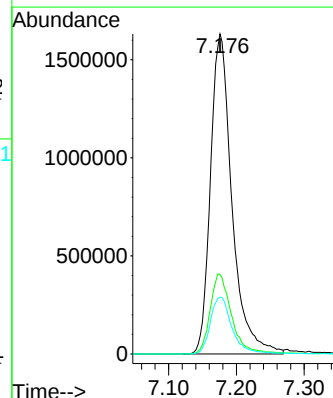
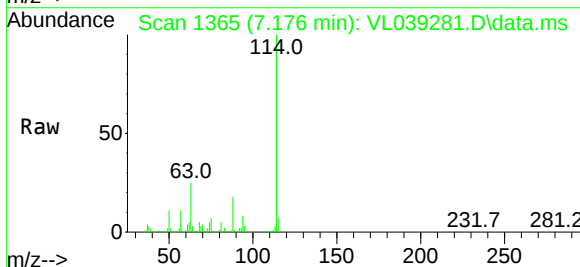
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 128 | 56.4  | 24.7  | 74.1  |
| 130 | 72.9  | 31.4  | 94.0  |

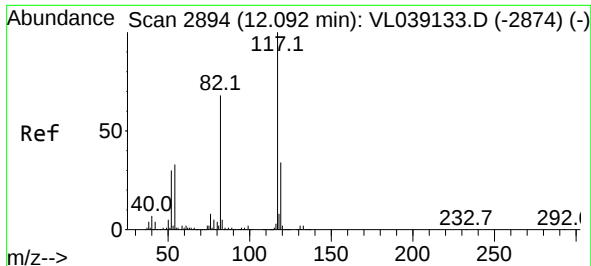


#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.176 min Scan# 1365  
 Delta R.T. -0.006 min  
 Lab File: VL039281.D  
 Acq: 14 Jun 2022 14:28

Tgt Ion: 114 Resp: 3592589

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 25.3  | 21.7  | 32.5  |
| 88  | 18.1  | 14.8  | 22.2  |

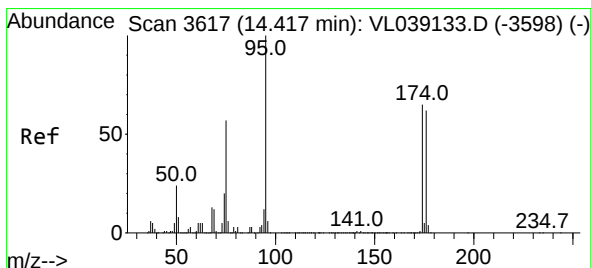
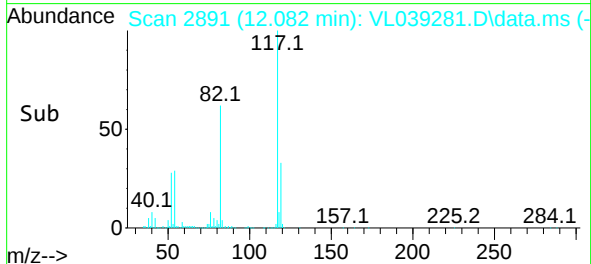
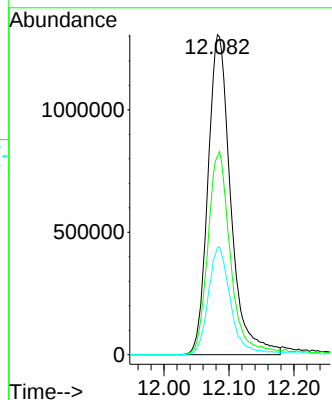
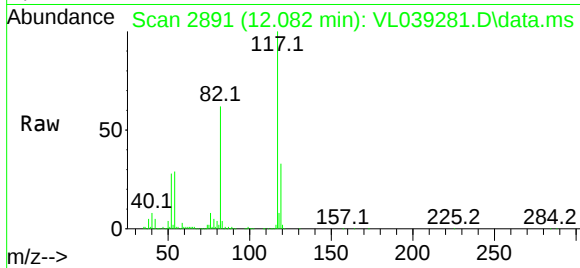




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.082 min Scan# 21  
Delta R.T. -0.010 min  
Lab File: VL039281.D  
Acq: 14 Jun 2022 14:28

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0614ABL01

Tgt Ion:117 Resp: 3186789  
Ion Ratio Lower Upper  
117 100  
82 64.7 55.1 82.7  
119 34.0 24.7 37.1



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.223 ppbv  
RT: 14.413 min Scan# 3616  
Delta R.T. -0.003 min  
Lab File: VL039281.D  
Acq: 14 Jun 2022 14:28

Tgt Ion: 95 Resp: 2429821  
Ion Ratio Lower Upper  
95 100  
174 70.7 53.8 80.8  
175 5.3 4.1 6.1

