

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL060122\  
 Data File : VL039143.D  
 Acq On : 1 Jun 2022 11:00  
 Operator : SY/AP  
 Sample : VL0601ABL01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0601ABL01

Quant Time: Jun 02 00:37:42 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   | 5.668  | 49   | 1193550  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.173  | 114  | 2906187  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.079 | 117  | 2431412  | 10.000 | ppbv  | -0.01    |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 14.410 | 95    | 2041090  | 10.154   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.500% |

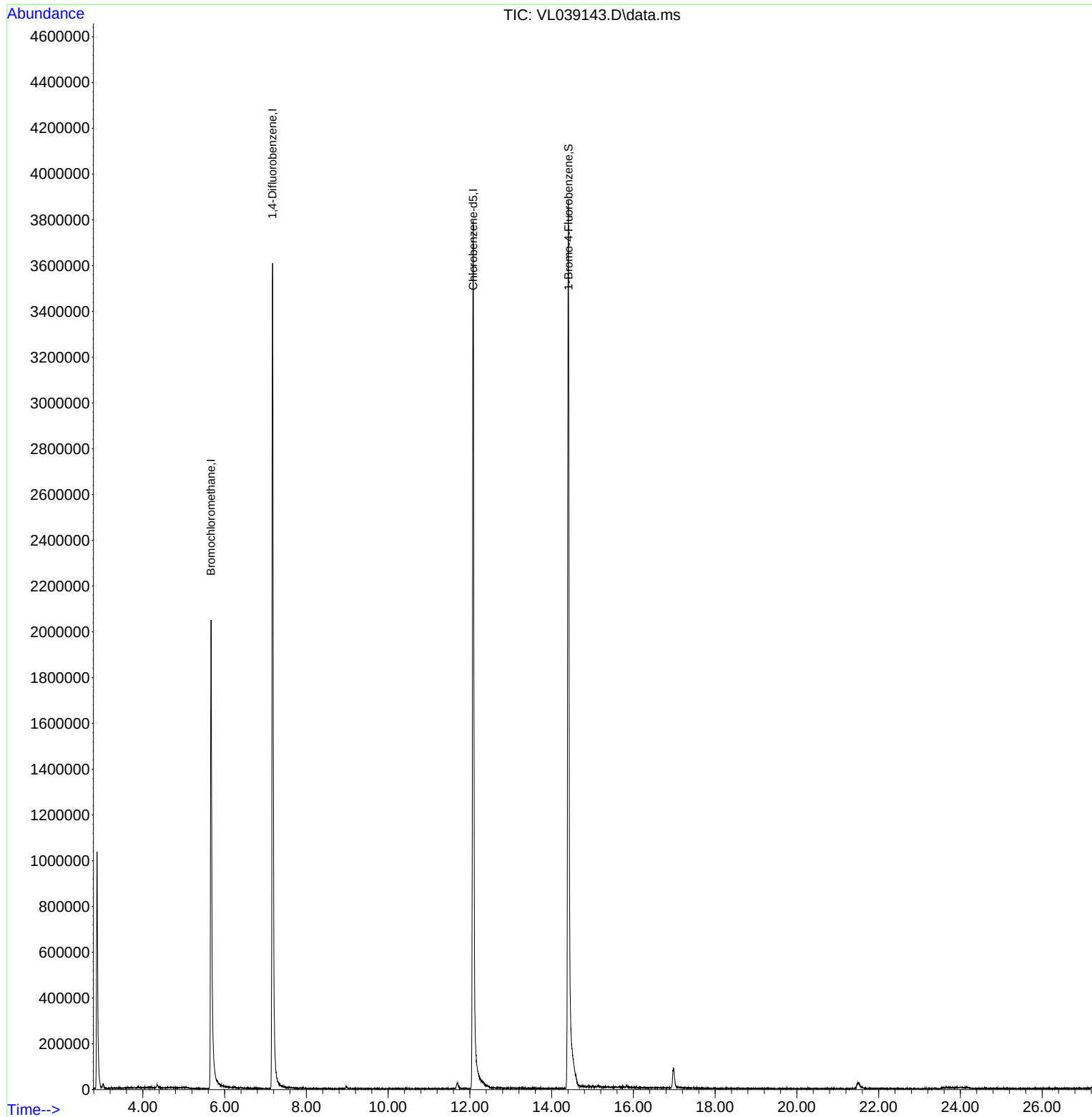
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

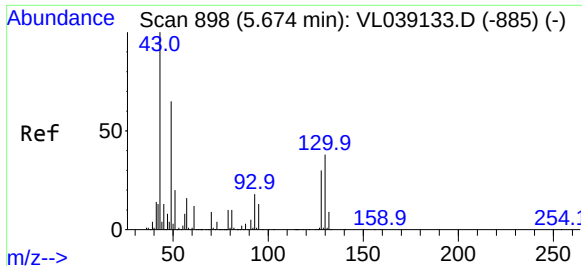
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL060122\  
Data File : VL039143.D  
Acq On : 1 Jun 2022 11:00  
Operator : SY/AP  
Sample : VL0601ABL01  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0601ABL01

Quant Time: Jun 02 00:37:42 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



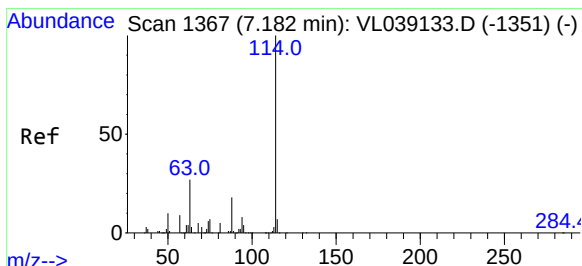
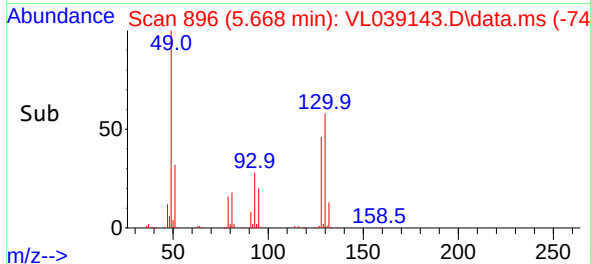
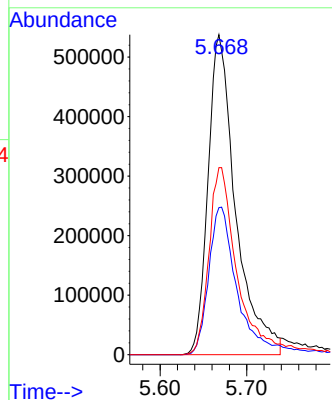
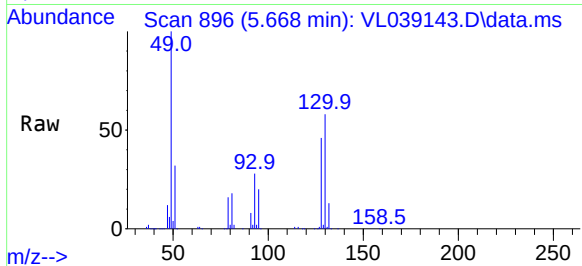


#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.668 min Scan# 898  
Delta R.T. -0.006 min  
Lab File: VL039143.D  
Acq: 1 Jun 2022 11:00

Instrument :  
MSVOA\_1  
ClientSampleId :  
VL0601ABL01

Tgt Ion: 49 Resp: 1193550

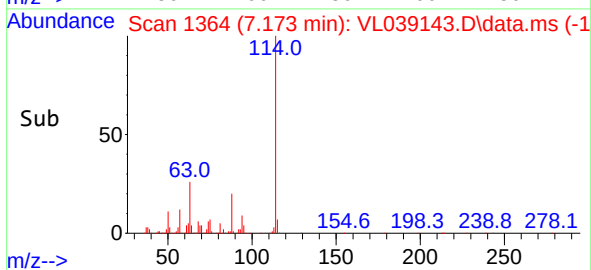
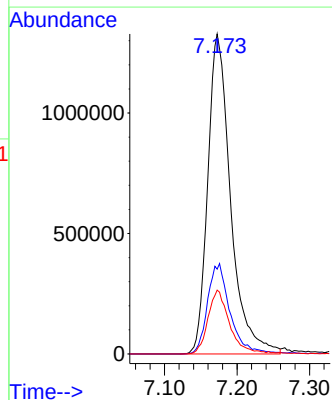
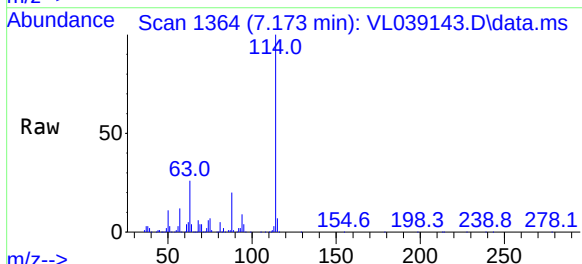
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 128 | 49.3  | 24.7  | 74.1  |
| 130 | 62.5  | 31.4  | 94.0  |

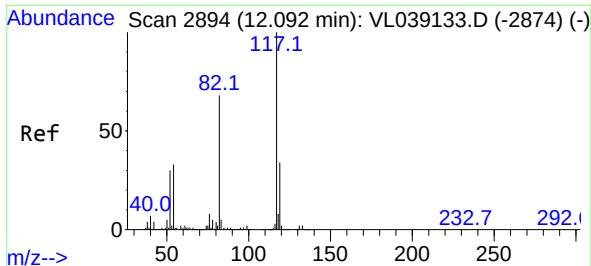


#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.173 min Scan# 1364  
Delta R.T. -0.010 min  
Lab File: VL039143.D  
Acq: 1 Jun 2022 11:00

Tgt Ion: 114 Resp: 2906187

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 28.4  | 21.7  | 32.5  |
| 88  | 19.4  | 14.8  | 22.2  |





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.079 min Scan# 21

Delta R.T. -0.013 min

Lab File: VL039143.D

Acq: 1 Jun 2022 11:00

Instrument :

MSVOA\_L

ClientSampleId :

VL0601ABL01

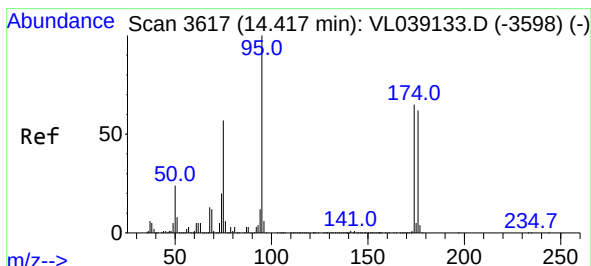
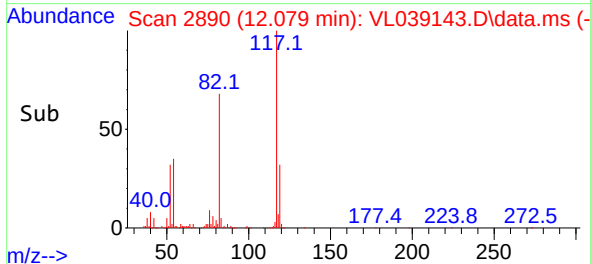
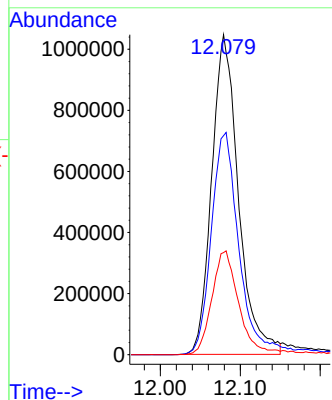
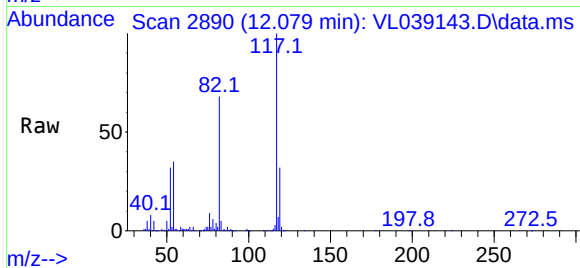
Tgt Ion:117 Resp: 2431412

Ion Ratio Lower Upper

117 100

82 73.5 55.1 82.7

119 34.0 24.7 37.1



#68

1-Bromo-4-Fluorobenzene

Concen: 10.154 ppbv

RT: 14.410 min Scan# 3615

Delta R.T. -0.006 min

Lab File: VL039143.D

Acq: 1 Jun 2022 11:00

Tgt Ion: 95 Resp: 2041090

Ion Ratio Lower Upper

95 100

174 66.2 53.8 80.8

175 4.9 4.1 6.1

