

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL092122\  
 Data File : VL039639.D  
 Acq On : 21 Sep 2022 17:38  
 Operator : SY/AP  
 Sample : QC091222 CAN 10448  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC091222 CAN 10448

Quant Time: Sep 22 08:17:25 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   | 1076379  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.671  | 114  | 2905733  | 10.000 | ppbv  | 0.01     |
| 55) Chlorobenzene-d5    | 11.481 | 117  | 2570478  | 10.000 | ppbv  | 0.01     |

System Monitoring Compounds

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| 68) 1-Bromo-4-Fluorobenzene | 13.789 | 95    | 1940756  | 10.114   | ppbv | 0.01     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.100% |

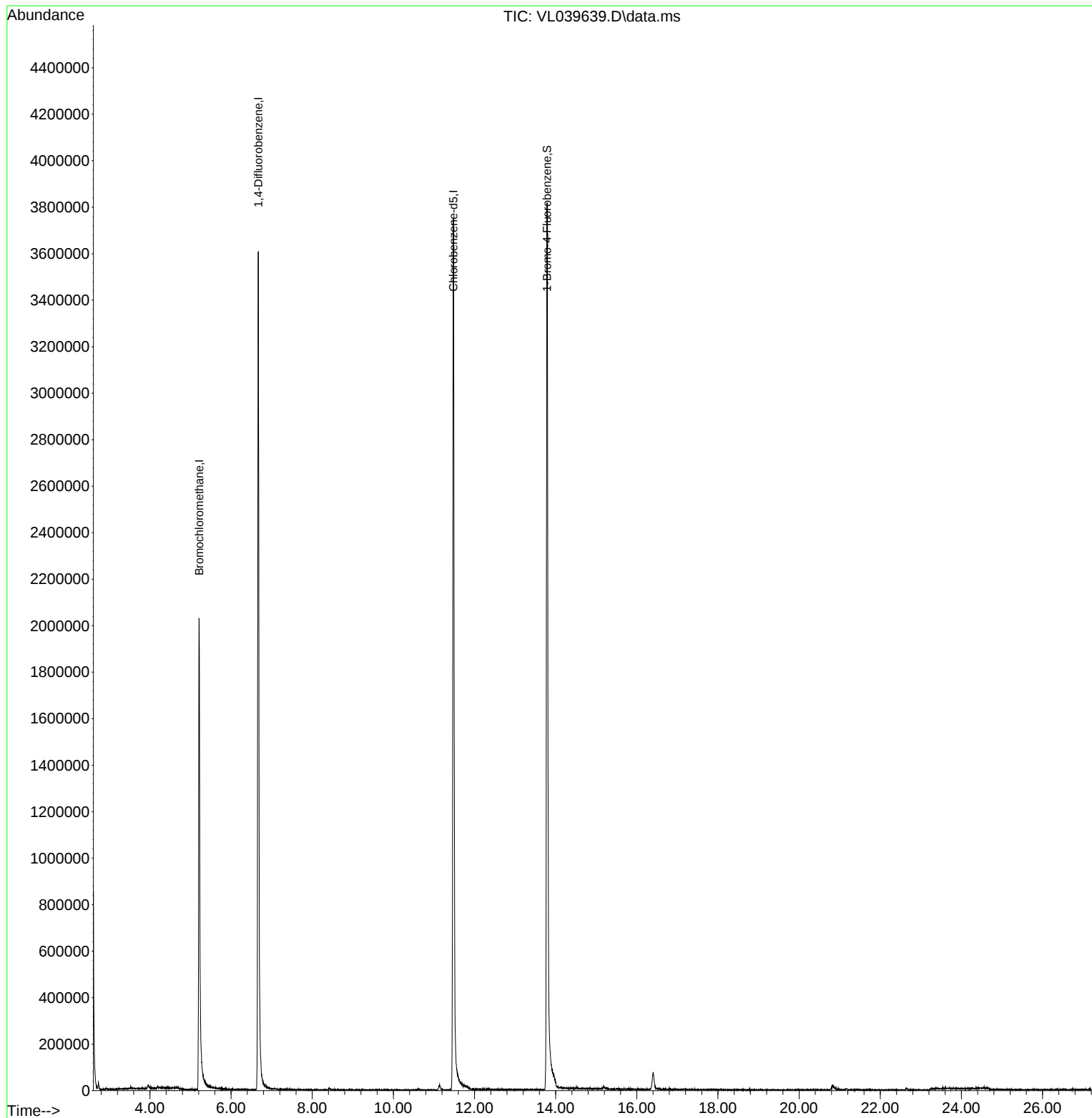
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

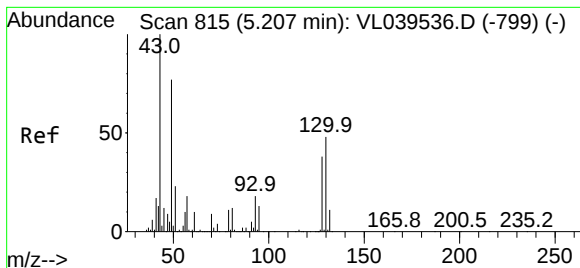
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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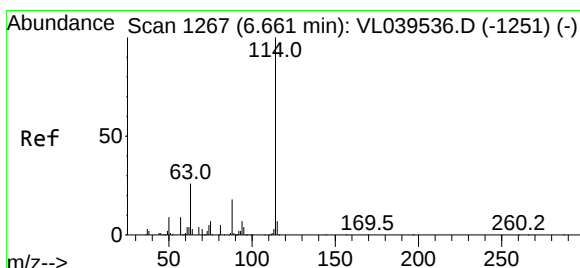
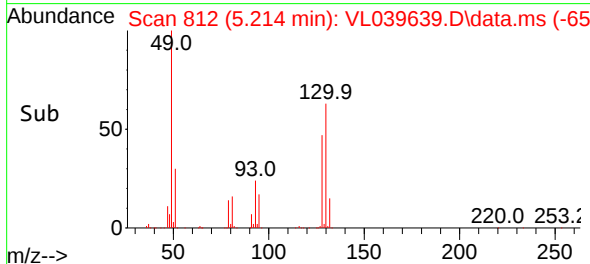
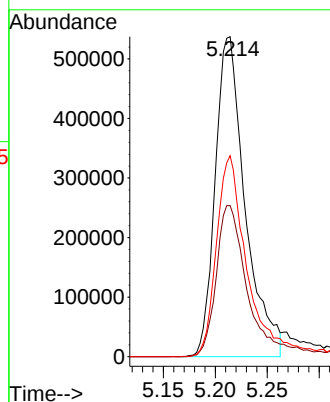
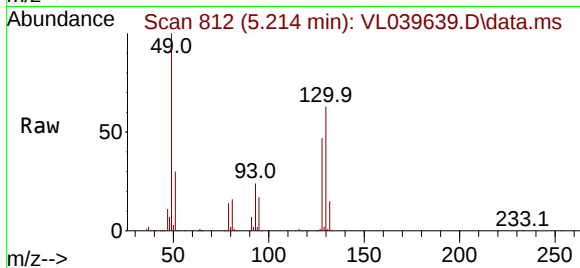




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.214 min Scan# 815  
Delta R.T. 0.007 min  
Lab File: VL039639.D  
Acq: 21 Sep 2022 17:38

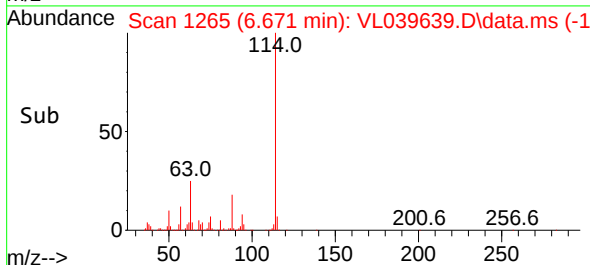
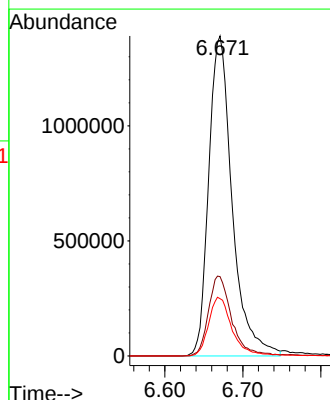
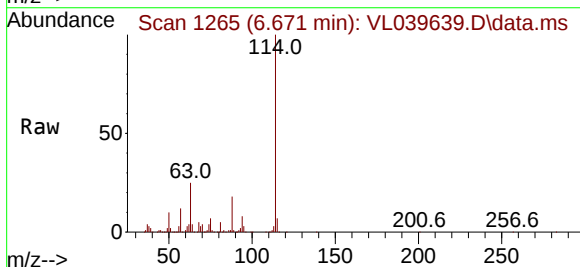
Instrument :  
MSVOA\_L  
ClientSampleId :  
QC091222 CAN 10448

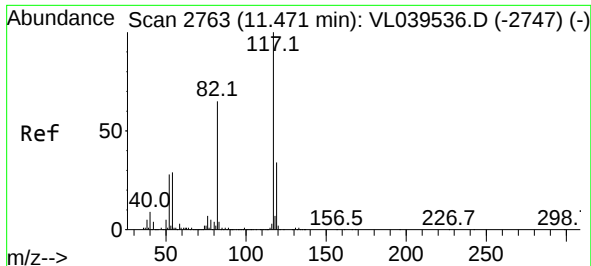
Tgt Ion: 49 Resp: 1076379  
Ion Ratio Lower Upper  
49 100  
128 53.1 26.7 80.0  
130 68.3 34.3 102.8



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.671 min Scan# 1265  
Delta R.T. 0.010 min  
Lab File: VL039639.D  
Acq: 21 Sep 2022 17:38

Tgt Ion: 114 Resp: 2905733  
Ion Ratio Lower Upper  
114 100  
63 25.2 20.2 30.4  
88 18.6 14.5 21.7

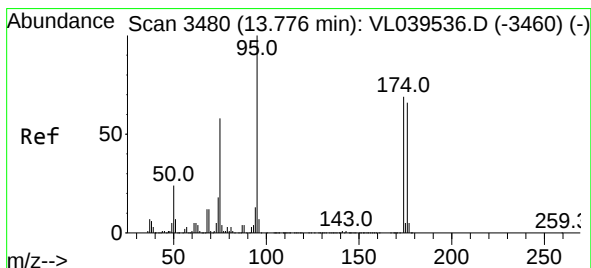
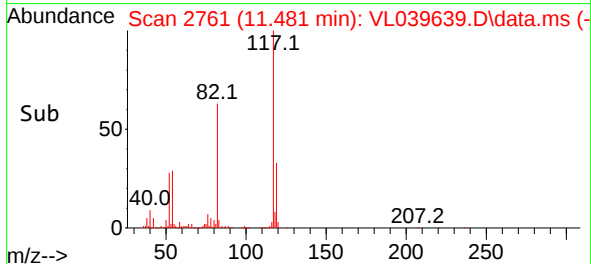
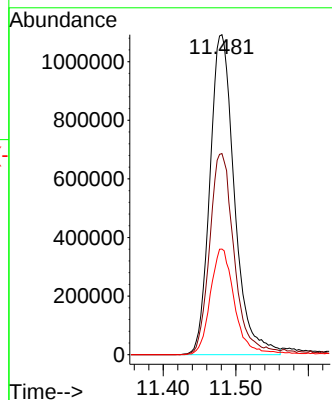
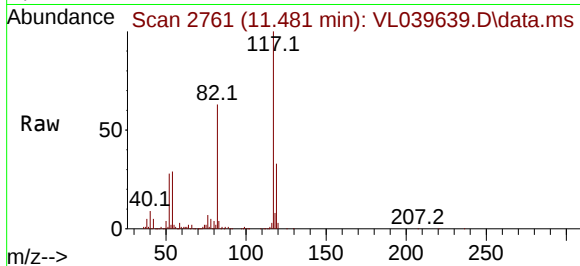




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.481 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VL039639.D  
Acq: 21 Sep 2022 17:38

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Tgt Ion: 117 Resp: 2570478  
Ion Ratio Lower Upper  
117 100  
82 65.3 50.8 76.2  
119 33.0 24.1 36.1



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.114 ppbv  
RT: 13.789 min Scan# 3479  
Delta R.T. 0.013 min  
Lab File: VL039639.D  
Acq: 21 Sep 2022 17:38

Tgt Ion: 95 Resp: 1940756  
Ion Ratio Lower Upper  
95 100  
174 72.0 55.9 83.9  
175 5.1 4.2 6.4

