

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL100423\  
 Data File : VL040735.D  
 Acq On : 4 Oct 2023 10:52  
 Operator : SY/MD  
 Sample : VL1004ABL01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1004ABL01

Quant Time: Oct 05 04:25:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091423AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Sep 19 05:12:43 2023  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.189  | 49   | 1132838  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.642  | 114  | 3156080  | 10.000 | ppbv  | -0.02    |
| 55) Chlorobenzene-d5    | 11.452 | 117  | 2602500  | 10.000 | ppbv  | -0.03    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 13.761 | 95    | 1859606  | 9.248    | ppbv | -0.03   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 92.500% |

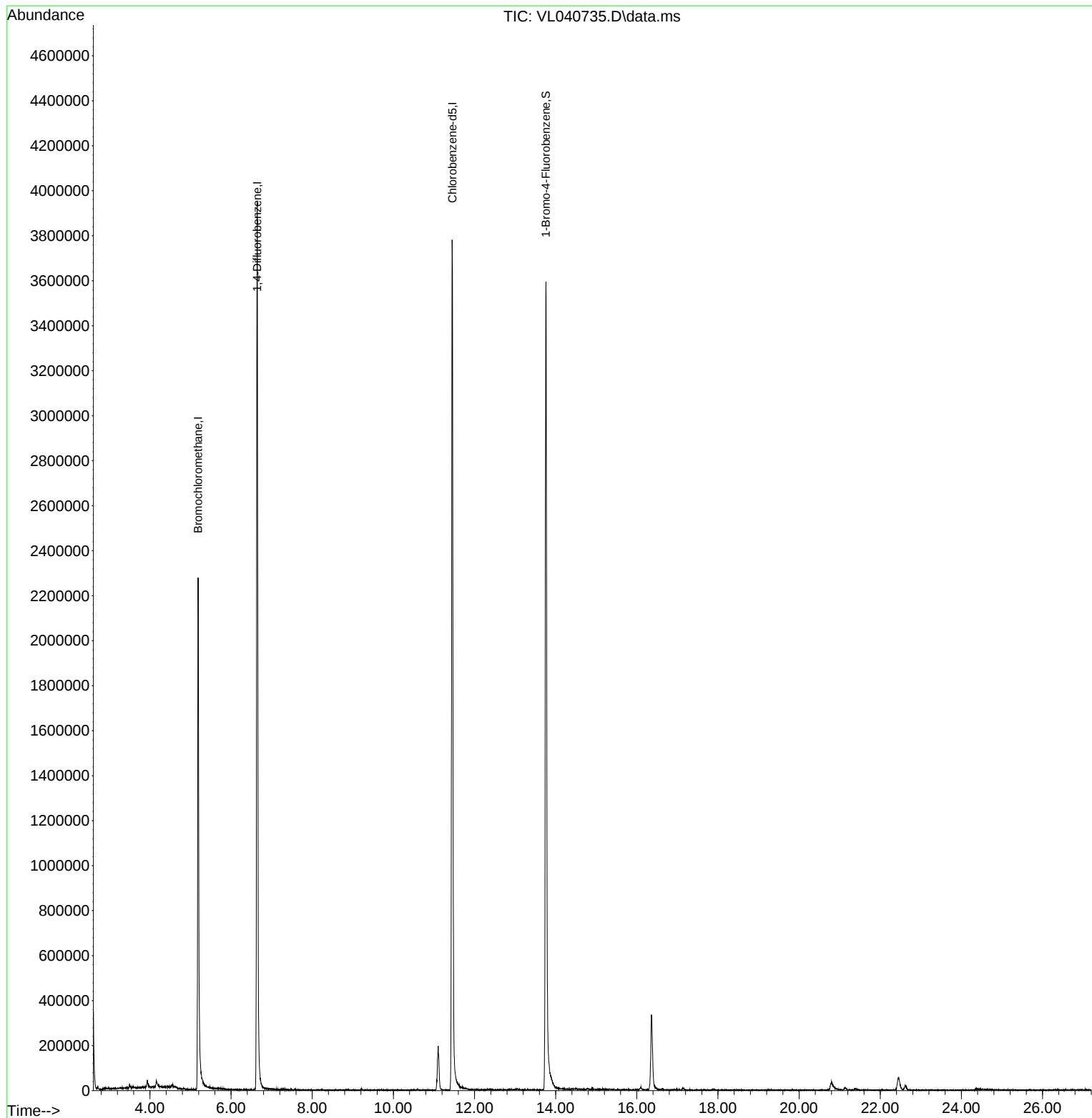
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

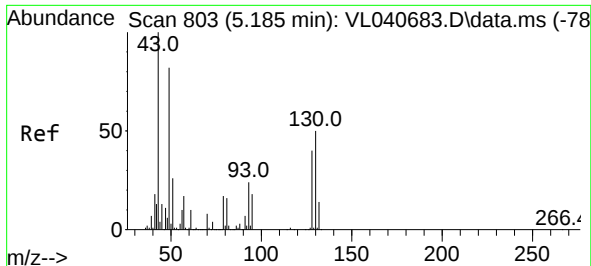
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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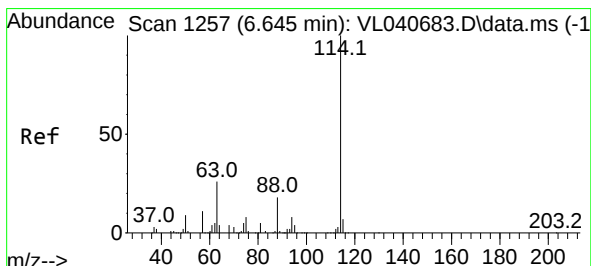
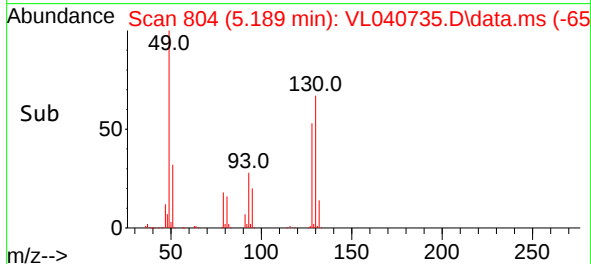
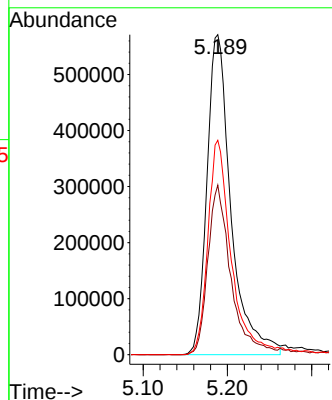
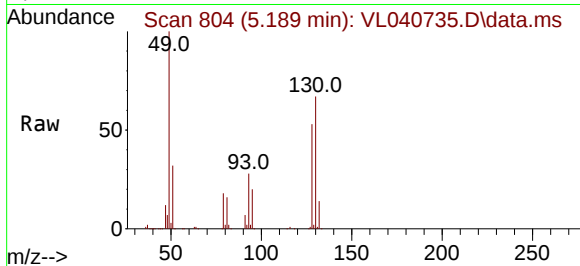




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.189 min Scan# 803  
 Delta R.T. -0.009 min  
 Lab File: VL040735.D  
 Acq: 4 Oct 2023 10:52

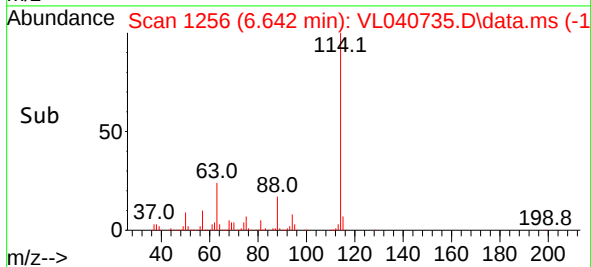
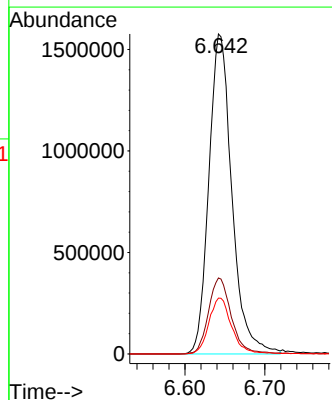
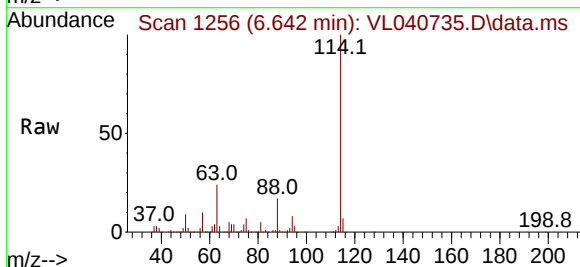
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1004ABL01

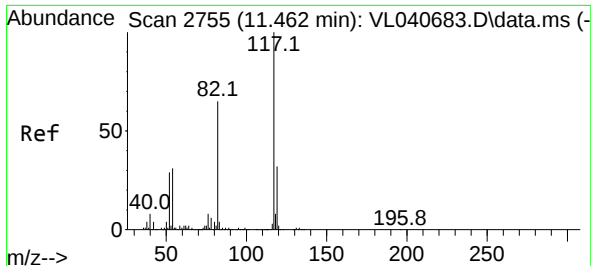
Tgt Ion: 49 Resp: 1132838  
 Ion Ratio Lower Upper  
 49 100  
 128 53.1 25.4 76.0  
 130 67.0 32.3 96.8



#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 6.642 min Scan# 1256  
 Delta R.T. -0.019 min  
 Lab File: VL040735.D  
 Acq: 4 Oct 2023 10:52

Tgt Ion: 114 Resp: 3156080  
 Ion Ratio Lower Upper  
 114 100  
 63 23.8 21.1 31.7  
 88 17.5 14.5 21.7

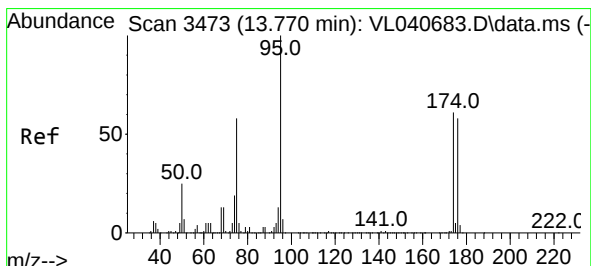
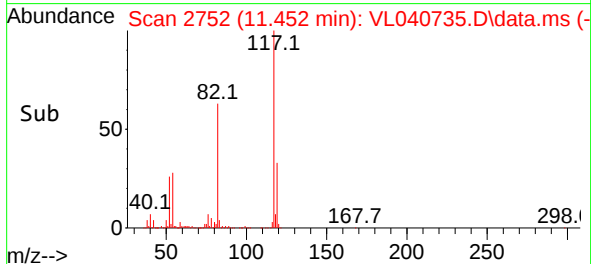
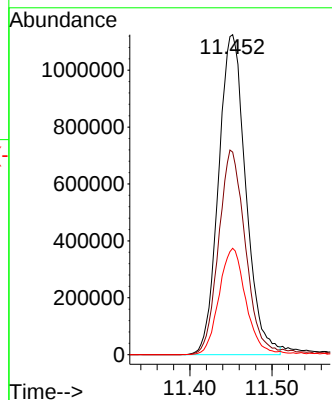
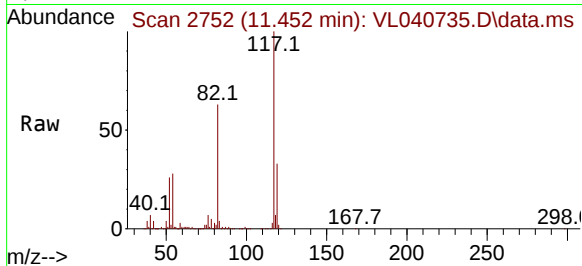




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.452 min Scan# 21  
Delta R.T. -0.026 min  
Lab File: VL040735.D  
Acq: 4 Oct 2023 10:52

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Tgt Ion:117 Resp: 2602500  
Ion Ratio Lower Upper  
117 100  
82 64.9 51.4 77.0  
119 33.7 24.7 37.1



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.248 ppbv  
RT: 13.761 min Scan# 3470  
Delta R.T. -0.026 min  
Lab File: VL040735.D  
Acq: 4 Oct 2023 10:52

Tgt Ion: 95 Resp: 1859606  
Ion Ratio Lower Upper  
95 100  
174 67.7 48.9 73.3  
175 4.8 3.5 5.3

