

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL050924\  
 Data File : VL041250.D  
 Acq On : 9 May 2024 9:34  
 Operator : SY/MD  
 Sample : VL0509ABL01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0509ABL01

Quant Time: May 10 01:24:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL042924AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri May 10 01:23:08 2024  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.211  | 49   | 790352   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.671  | 114  | 2113966  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.481 | 117  | 1900123  | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 13.793 | 95    | 1432979  | 9.989    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.900% |

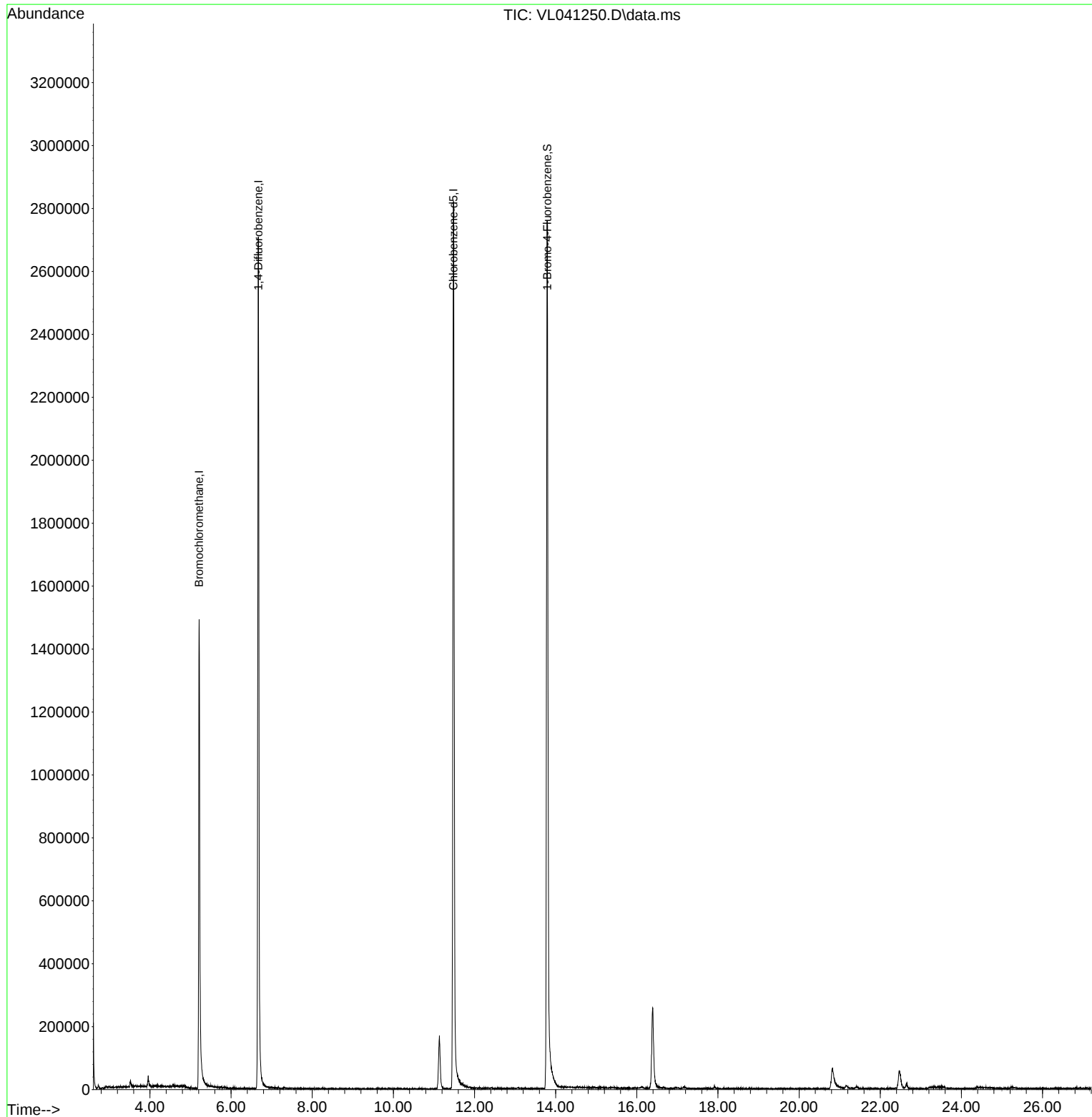
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

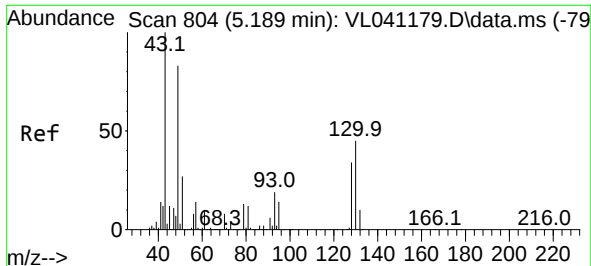
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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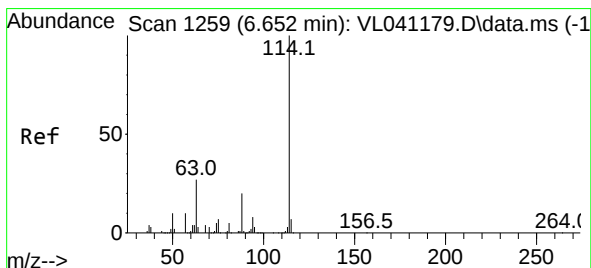
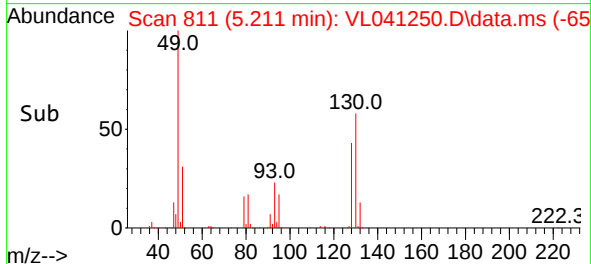
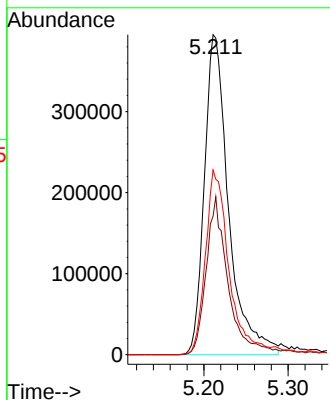
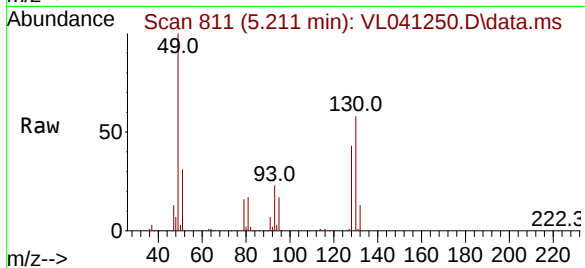




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.211 min Scan# 811  
Delta R.T. 0.006 min  
Lab File: VL041250.D  
Acq: 9 May 2024 9:34

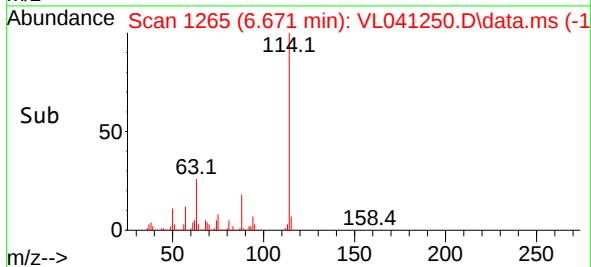
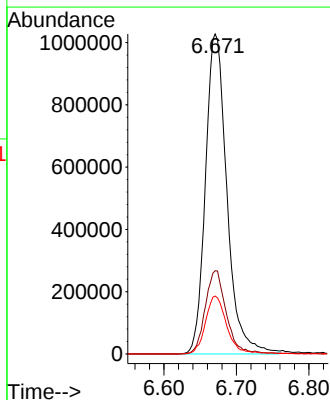
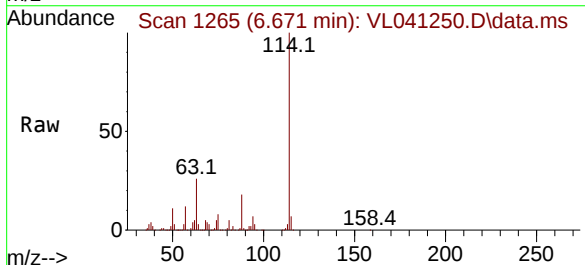
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0509ABL01

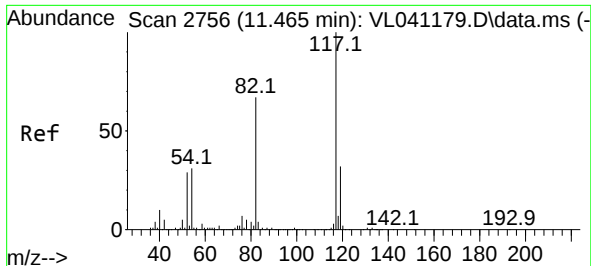
Tgt Ion: 49 Resp: 790352  
Ion Ratio Lower Upper  
49 100  
128 46.4 21.5 64.5  
130 58.7 27.2 81.6



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.671 min Scan# 1265  
Delta R.T. 0.003 min  
Lab File: VL041250.D  
Acq: 9 May 2024 9:34

Tgt Ion: 114 Resp: 2113966  
Ion Ratio Lower Upper  
114 100  
63 25.8 21.8 32.6  
88 18.1 15.2 22.8

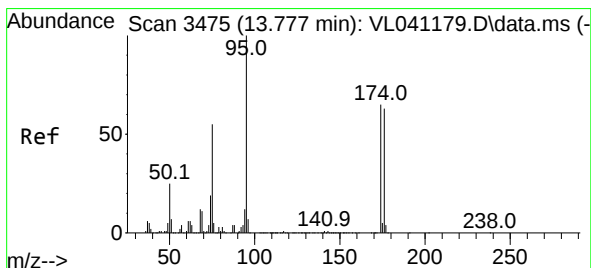
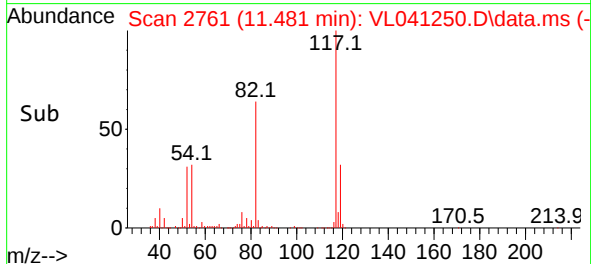
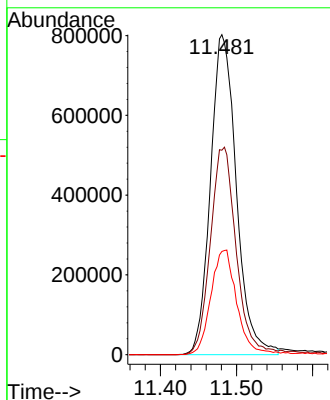
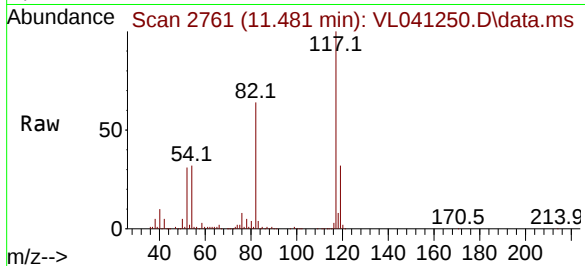




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.481 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VL041250.D  
Acq: 9 May 2024 9:34

Instrument :  
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ClientSampleId :  
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Tgt Ion:117 Resp: 1900123  
Ion Ratio Lower Upper  
117 100  
82 65.7 53.6 80.4  
119 32.8 27.2 40.8



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.989 ppbv  
RT: 13.793 min Scan# 3480  
Delta R.T. 0.006 min  
Lab File: VL041250.D  
Acq: 9 May 2024 9:34

Tgt Ion: 95 Resp: 1432979  
Ion Ratio Lower Upper  
95 100  
174 66.4 53.6 80.4  
175 4.8 4.2 6.4

