

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL080923\  
 Data File : VL040605.D  
 Acq On : 9 Aug 2023 14:32  
 Operator : SY/MD  
 Sample : VL0809ABL01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0809ABL01

Quant Time: Aug 10 01:28:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL071023AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Jul 10 16:32:00 2023  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.192  | 49   | 1013197  | 10.000 | ppbv  | -0.01    |
| 33) 1,4-Difluorobenzene | 6.658  | 114  | 2417591  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.478 | 117  | 2011589  | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| 68) 1-Bromo-4-Fluorobenzene | 13.786 | 95    | 1669114  | 10.484   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 104.800% |

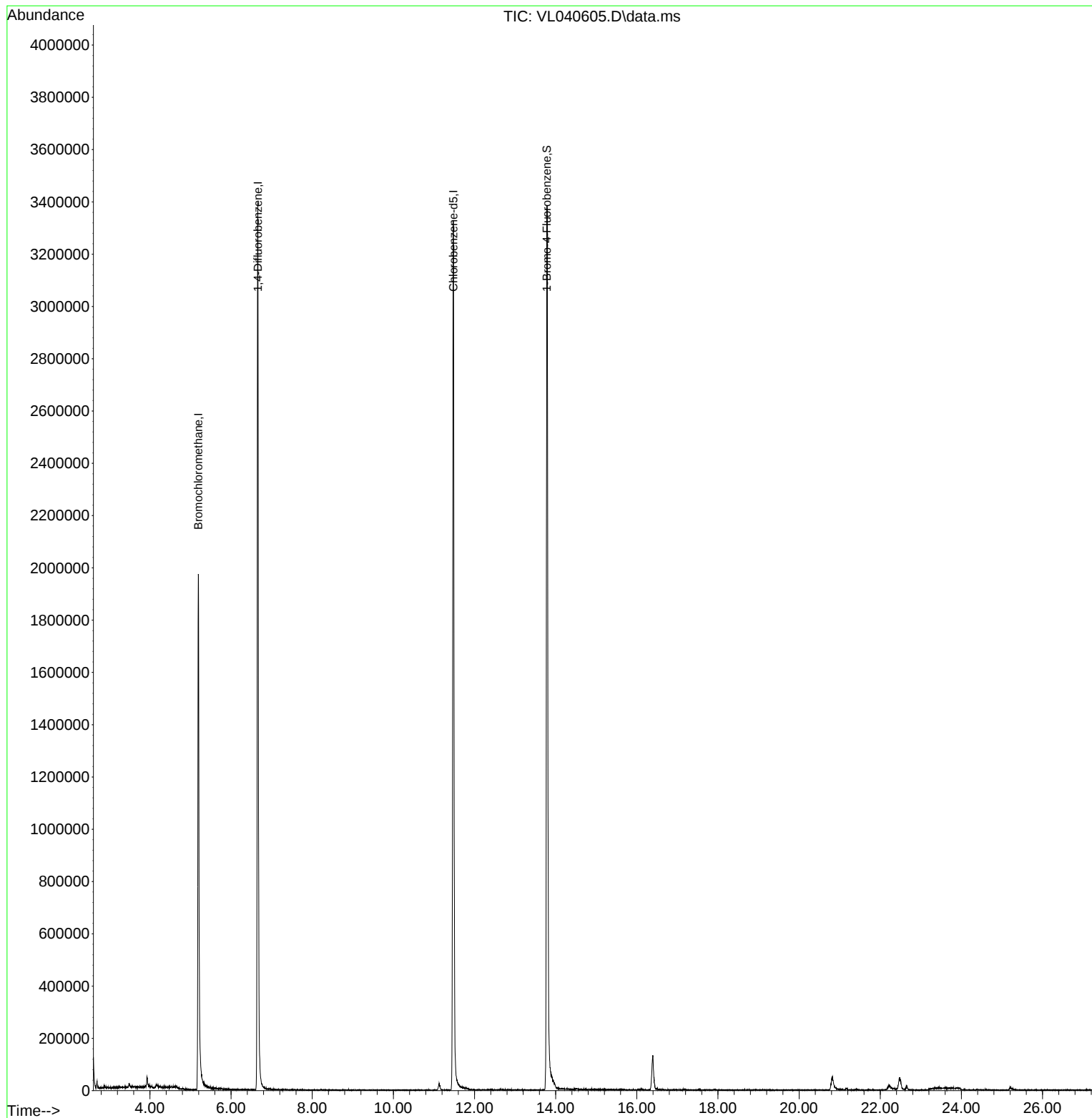
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

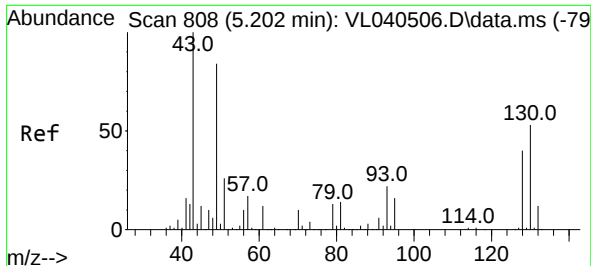
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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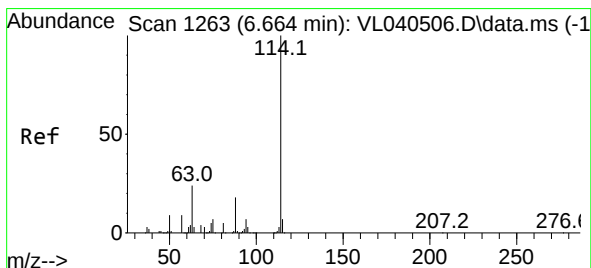
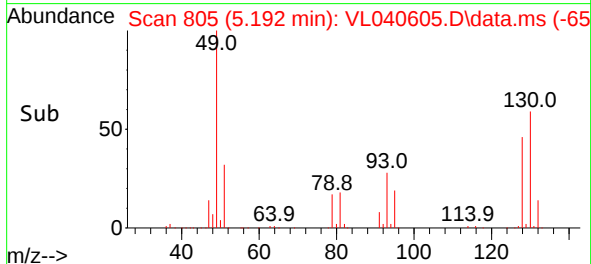
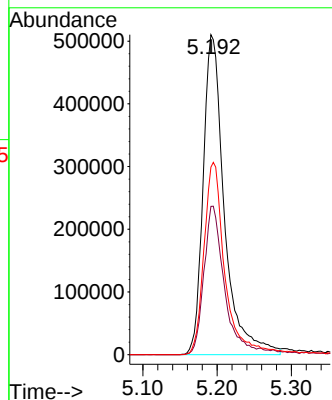
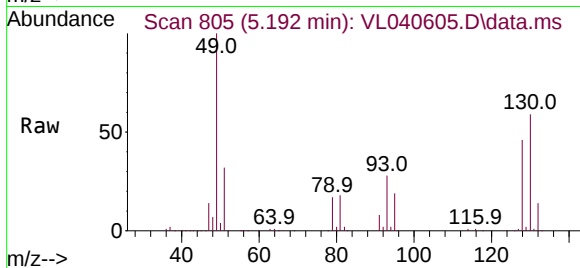




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.192 min Scan# 808  
Delta R.T. -0.010 min  
Lab File: VL040605.D  
Acq: 9 Aug 2023 14:32

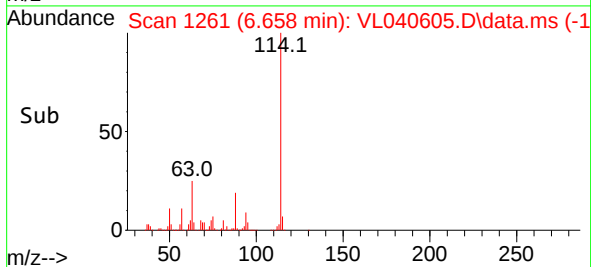
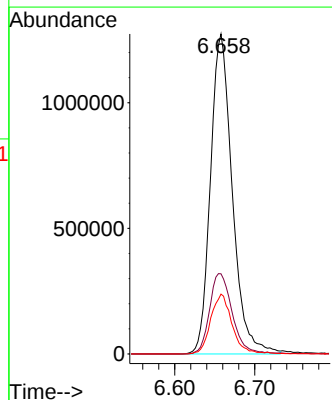
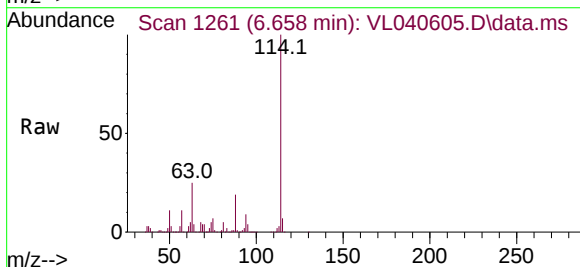
Instrument :  
MSVOA\_1  
ClientSampleId :  
VL0809ABL01

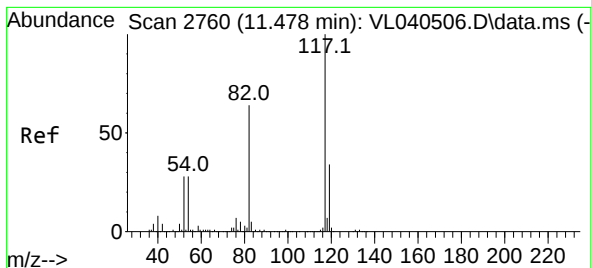
Tgt Ion: 49 Resp: 1013197  
Ion Ratio Lower Upper  
49 100  
128 46.3 25.1 75.4  
130 61.4 31.6 94.7



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.658 min Scan# 1261  
Delta R.T. -0.007 min  
Lab File: VL040605.D  
Acq: 9 Aug 2023 14:32

Tgt Ion: 114 Resp: 2417591  
Ion Ratio Lower Upper  
114 100  
63 26.4 19.6 29.4  
88 18.4 14.2 21.2

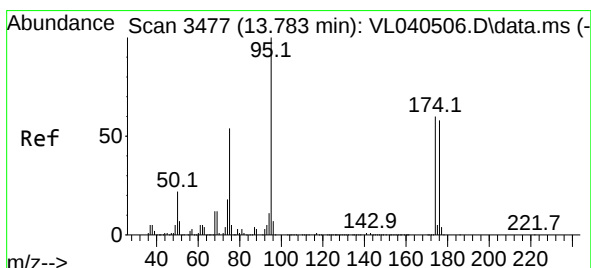
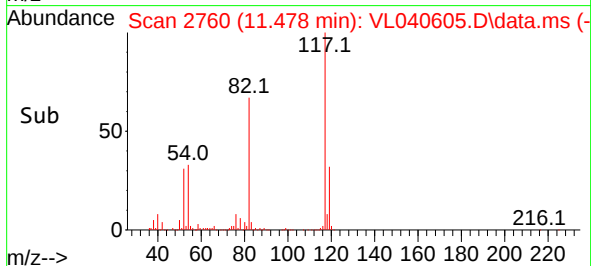
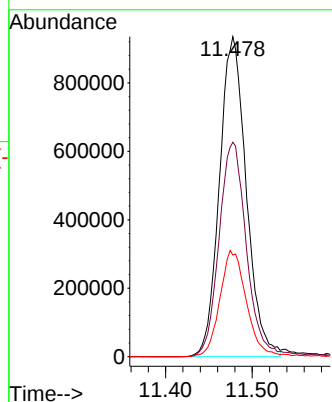
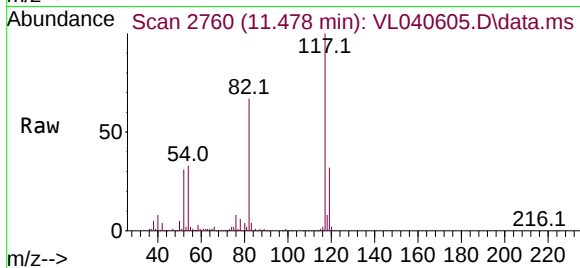




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.478 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VL040605.D  
Acq: 9 Aug 2023 14:32

Instrument :  
MSVOA\_1  
ClientSampleId :  
VL0809ABL01

Tgt Ion:117 Resp: 2011589  
Ion Ratio Lower Upper  
117 100  
82 69.2 50.2 75.4  
119 33.2 26.9 40.3



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.484 ppbv  
RT: 13.786 min Scan# 3478  
Delta R.T. 0.003 min  
Lab File: VL040605.D  
Acq: 9 Aug 2023 14:32

Tgt Ion: 95 Resp: 1669114  
Ion Ratio Lower Upper  
95 100  
174 59.8 50.6 75.8  
175 4.4 3.7 5.5

