

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL040423\  
 Data File : VL040302.D  
 Acq On : 4 Apr 2023 10:06  
 Operator : SY/MD  
 Sample : VL0404ABL01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0404ABL01

Quant Time: Apr 05 01:30:02 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL031523AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Wed Mar 15 16:14:43 2023  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.189  | 49   | 1118894  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.648  | 114  | 2807483  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.462 | 117  | 2475715  | 10.000 | ppbv  | -0.02    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 13.773 | 95    | 2005132  | 9.672    | ppbv | -0.01   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 96.700% |

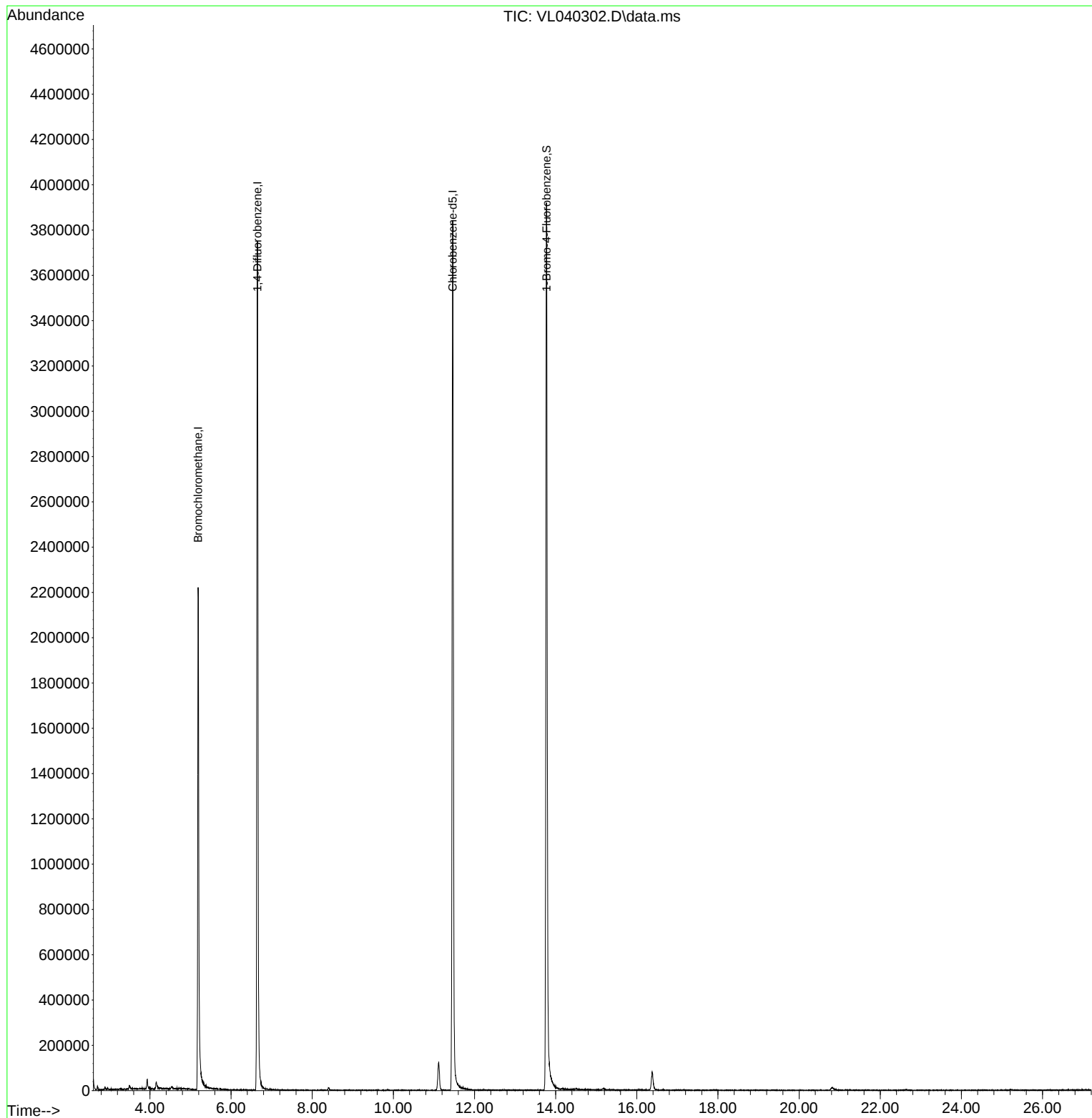
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

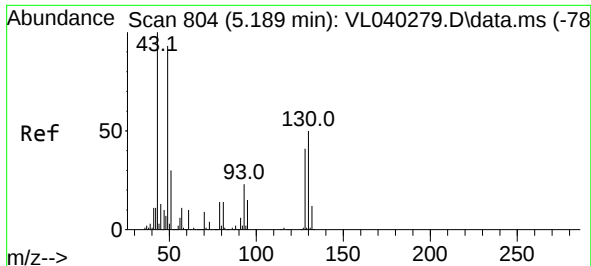
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL031523AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Wed Mar 15 16:14:43 2023  
Response via : Initial Calibration

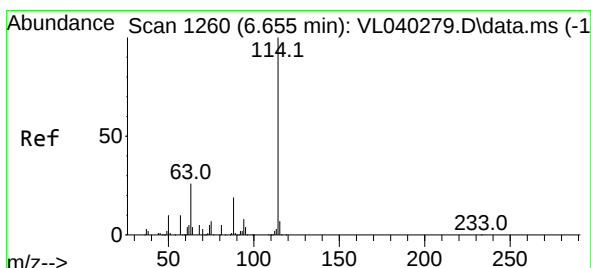
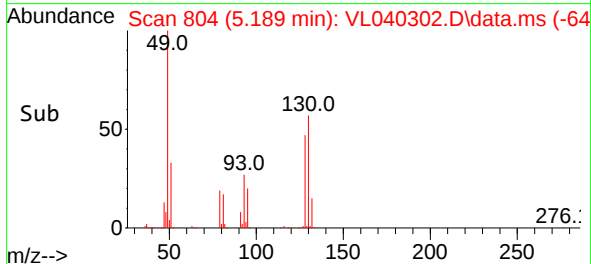
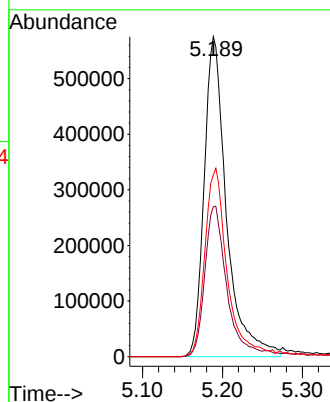
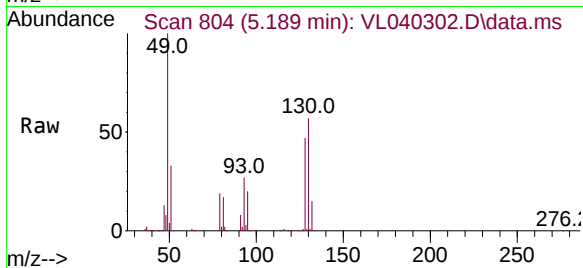




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.189 min Scan# 804  
Delta R.T. -0.000 min  
Lab File: VL040302.D  
Acq: 4 Apr 2023 10:06

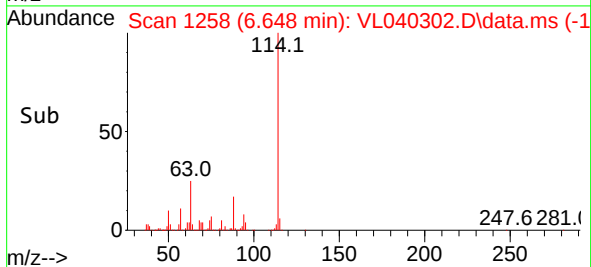
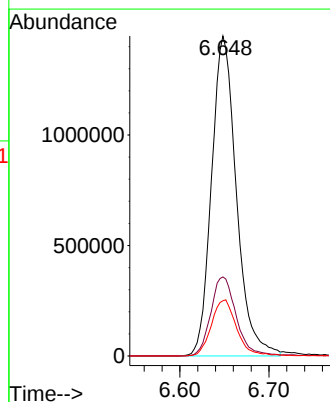
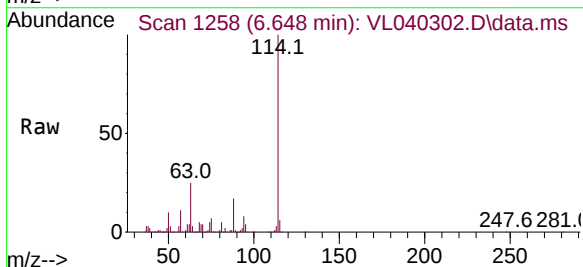
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0404ABL01

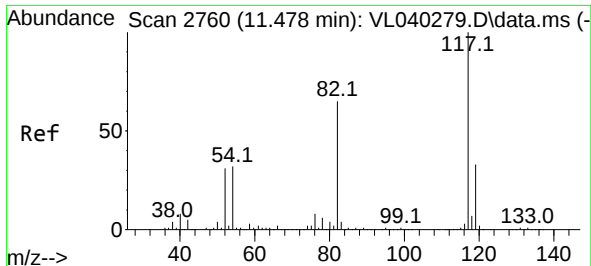
Tgt Ion: 49 Resp: 1118894  
Ion Ratio Lower Upper  
49 100  
128 49.0 22.4 67.3  
130 60.9 28.7 86.1



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.648 min Scan# 1258  
Delta R.T. -0.007 min  
Lab File: VL040302.D  
Acq: 4 Apr 2023 10:06

Tgt Ion: 114 Resp: 2807483  
Ion Ratio Lower Upper  
114 100  
63 25.7 21.2 31.8  
88 18.1 14.5 21.7

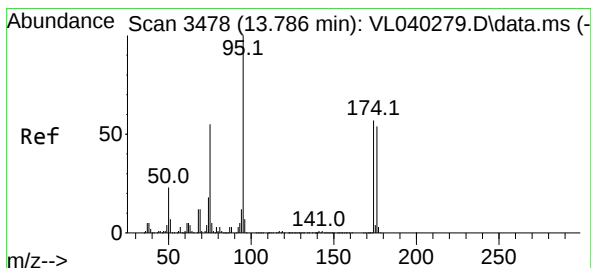
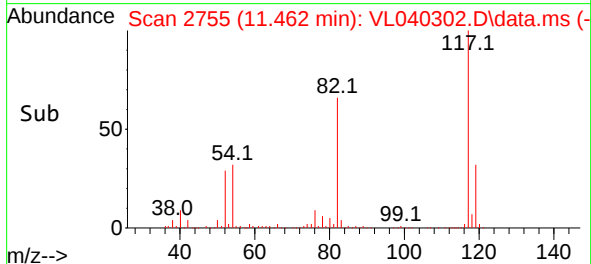
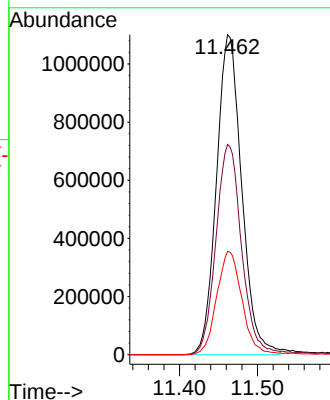
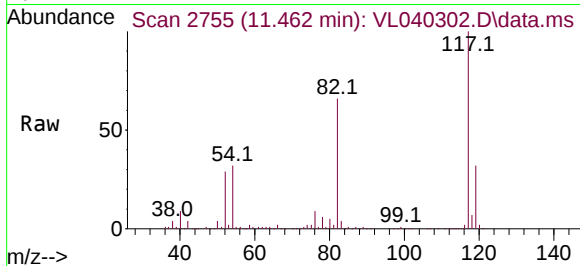




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.462 min Scan# 21  
Delta R.T. -0.016 min  
Lab File: VL040302.D  
Acq: 4 Apr 2023 10:06

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0404ABL01

Tgt Ion:117 Resp: 2475715  
Ion Ratio Lower Upper  
117 100  
82 67.7 51.4 77.2  
119 32.7 24.0 36.0



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.672 ppbv  
RT: 13.773 min Scan# 3474  
Delta R.T. -0.013 min  
Lab File: VL040302.D  
Acq: 4 Apr 2023 10:06

Tgt Ion: 95 Resp: 2005132  
Ion Ratio Lower Upper  
95 100  
174 60.6 47.0 70.6  
175 4.3 3.4 5.2

