

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL112024\  
 Data File : VL041704.D  
 Acq On : 20 Nov 2024 17:53  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VIBLK

Quant Time: Nov 21 05:12:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL110724AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Nov 08 01:01:00 2024  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.208  | 49   | 980421   | 10.000 | ppbv  | 0.02     |
| 33) 1,4-Difluorobenzene | 6.671  | 114  | 2682384  | 10.000 | ppbv  | 0.02     |
| 55) Chlorobenzene-d5    | 11.484 | 117  | 2287518  | 10.000 | ppbv  | 0.02     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 13.793 | 95    | 1596652  | 9.473    | ppbv | 0.02    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 94.700% |

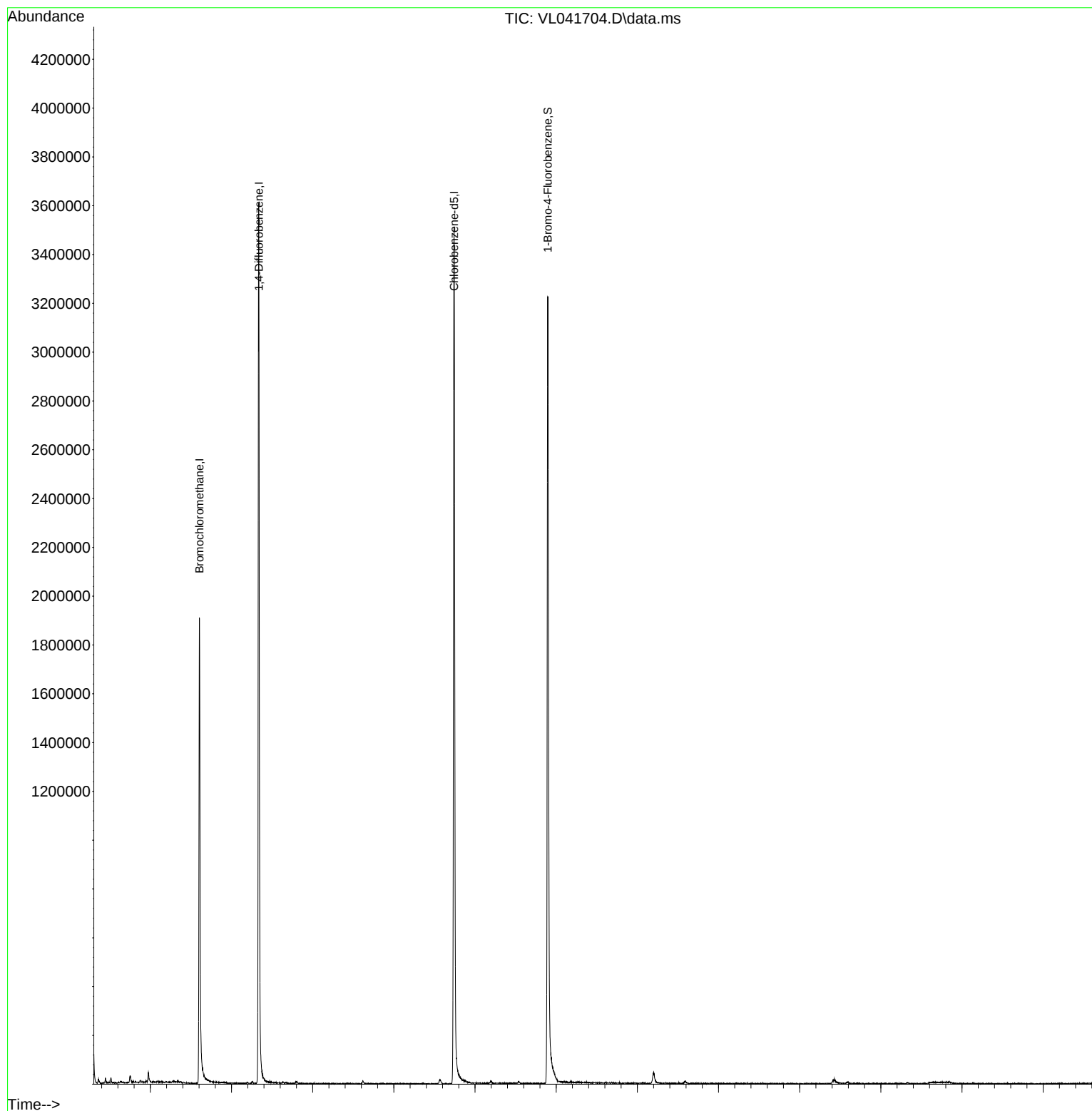
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

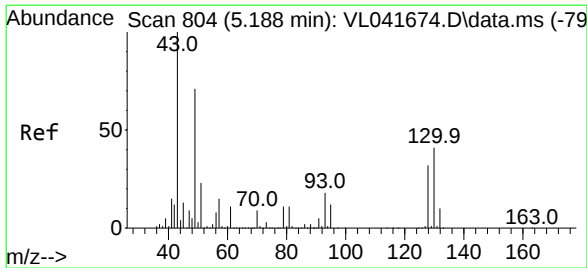
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL112024\  
Data File : VL041704.D  
Acq On : 20 Nov 2024 17:53  
Operator : SY/MD  
Sample : VIBLK  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VIBLK

Quant Time: Nov 21 05:12:29 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL110724AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Fri Nov 08 01:01:00 2024  
Response via : Initial Calibration

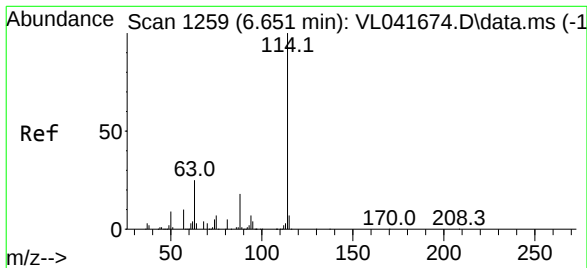
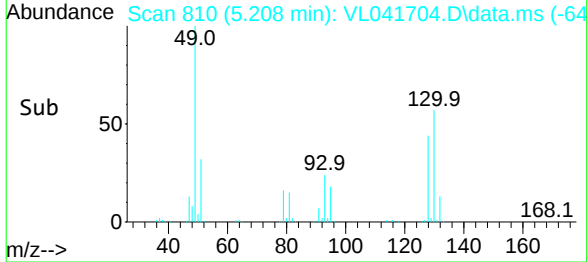
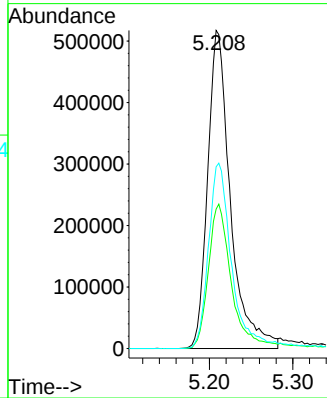
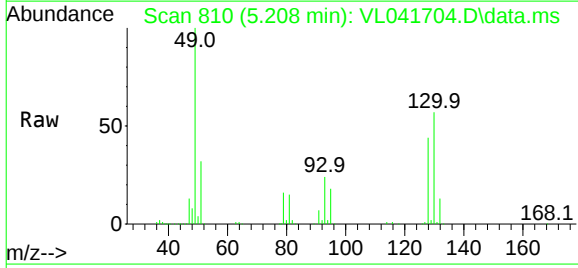




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.208 min Scan# 81  
Delta R.T. 0.020 min  
Lab File: VL041704.D  
Acq: 20 Nov 2024 17:53

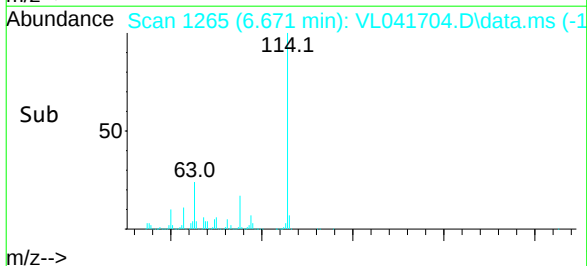
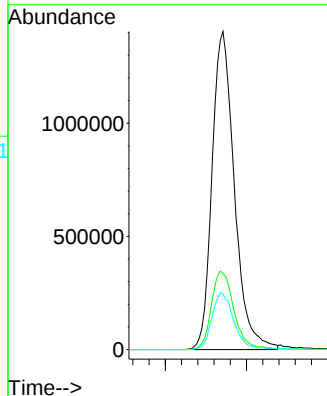
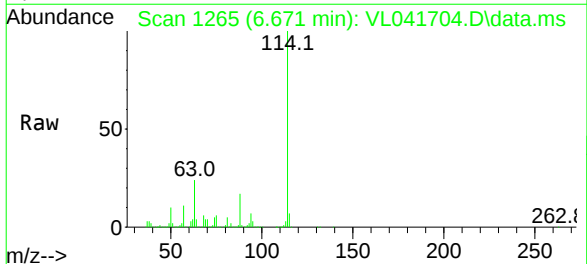
Instrument :  
MSVOA\_L  
ClientSampleId :  
VIBLK

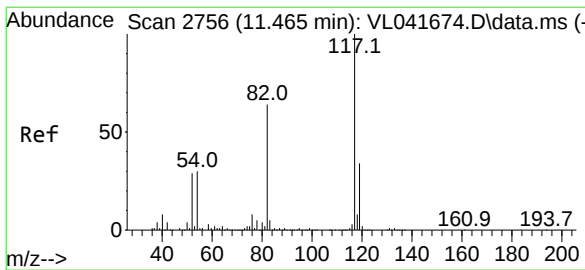
Tgt Ion: 49 Resp: 980421  
Ion Ratio Lower Upper  
49 100  
128 47.9 23.8 71.2  
130 62.2 30.1 90.5



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.671 min Scan# 1265  
Delta R.T. 0.020 min  
Lab File: VL041704.D  
Acq: 20 Nov 2024 17:53

Tgt Ion: 114 Resp: 2682384  
Ion Ratio Lower Upper  
114 100  
63 25.3 20.3 30.5  
88 17.8 14.2 21.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.484 min Scan# 27

Delta R.T. 0.020 min

Lab File: VL041704.D

Acq: 20 Nov 2024 17:53

Instrument :

MSVOA\_L

ClientSampleId :

VIBLK

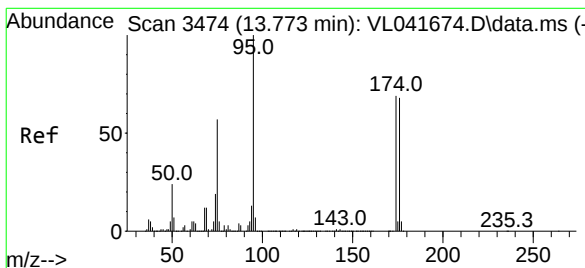
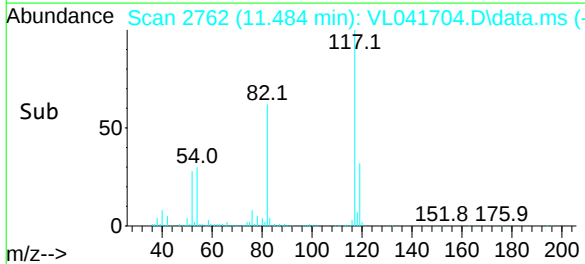
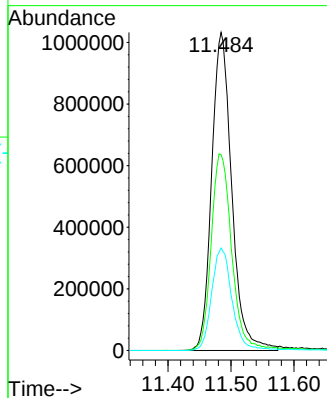
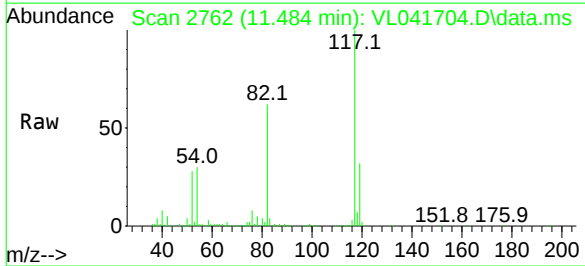
Tgt Ion:117 Resp: 2287518

Ion Ratio Lower Upper

117 100

82 64.5 49.8 74.8

119 33.3 24.2 36.4



#68

1-Bromo-4-Fluorobenzene

Concen: 9.473 ppbv

RT: 13.793 min Scan# 3480

Delta R.T. 0.020 min

Lab File: VL041704.D

Acq: 20 Nov 2024 17:53

Tgt Ion: 95 Resp: 1596652

Ion Ratio Lower Upper

95 100

174 71.0 55.6 83.4

175 4.9 4.2 6.2

