

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL090523\  
 Data File : VL040651.D  
 Acq On : 5 Sep 2023 17:32  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VIBLK

Quant Time: Sep 06 02:06:48 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081523AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Wed Aug 16 05:43:50 2023  
 Response via : Initial Calibration

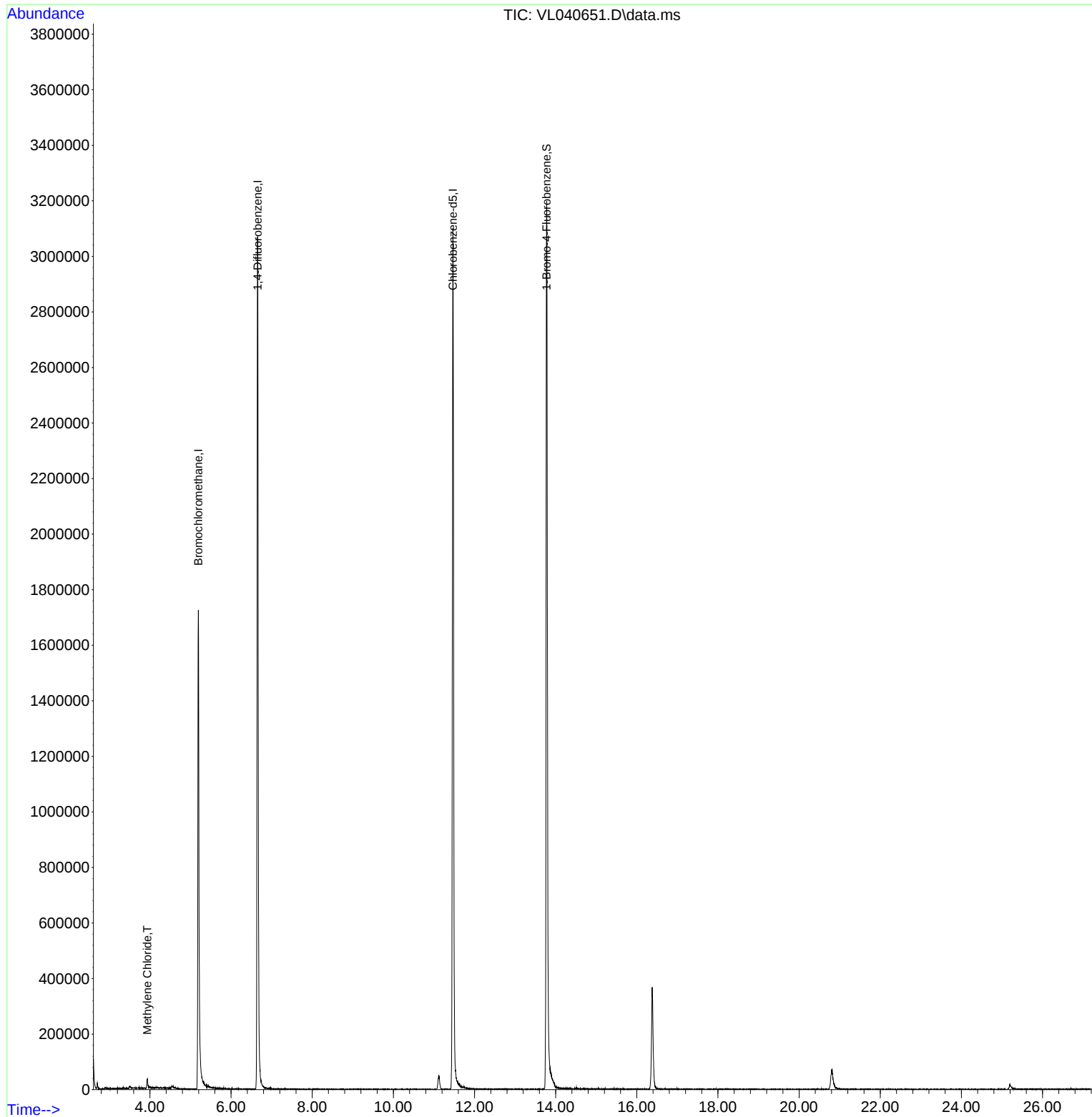
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Bromochloromethane       | 5.192  | 49    | 838256   | 10.000   | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.655  | 114   | 2230003  | 10.000   | ppbv  | 0.00     |
| 55) Chlorobenzene-d5        | 11.468 | 117   | 1894823  | 10.000   | ppbv  | -0.01    |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.777 | 95    | 1537102  | 10.200   | ppbv  | -0.02    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =     | 102.000% |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       | Qvalue   |
| 20) Methylene Chloride      | 3.935  | 84    | 10217    | 0.204    | ppbv  | # 79     |
| -----                       |        |       |          |          |       |          |

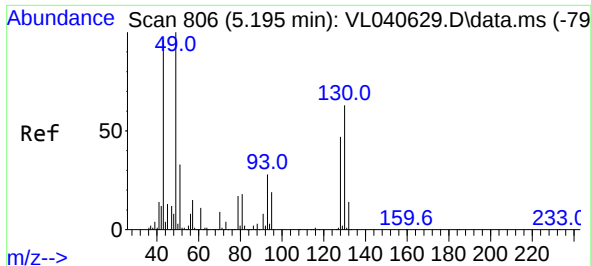
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

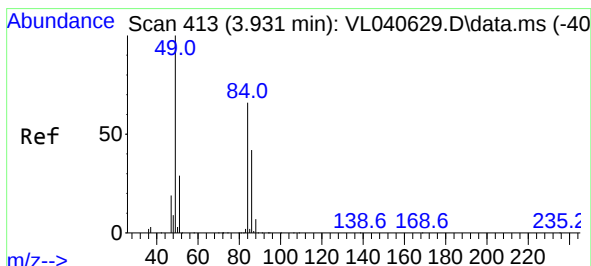
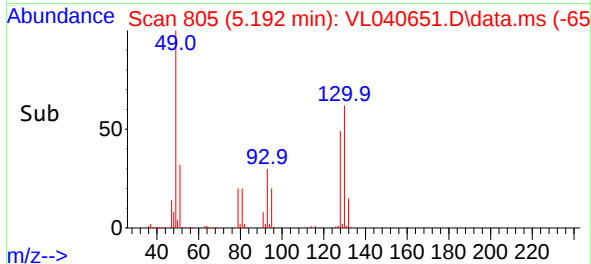
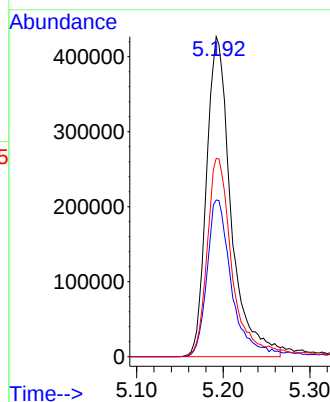
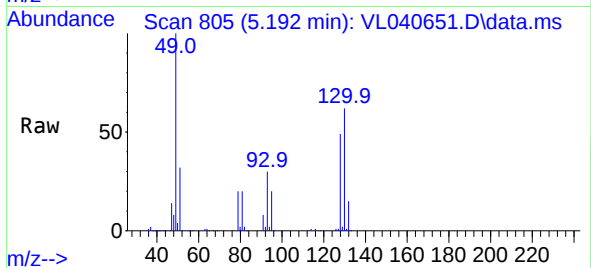




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.192 min Scan# 806  
Delta R.T. -0.003 min  
Lab File: VL040651.D  
Acq: 5 Sep 2023 17:32

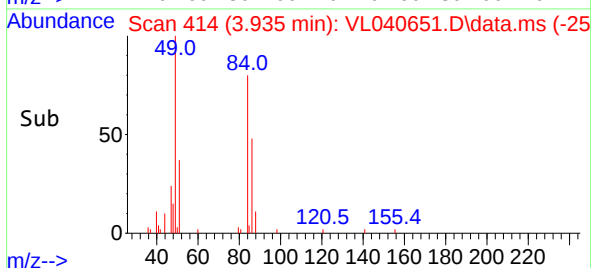
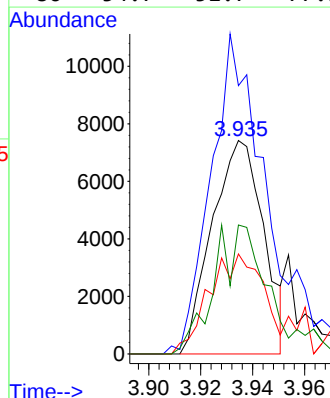
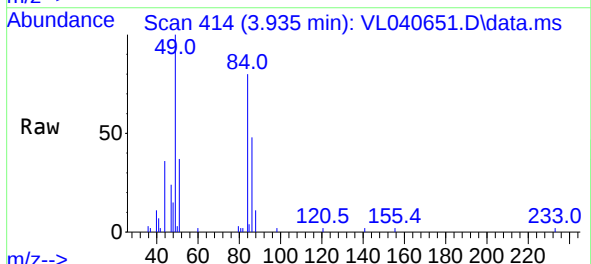
Instrument :  
MSVOA\_L  
ClientSampleId :  
VIBLK

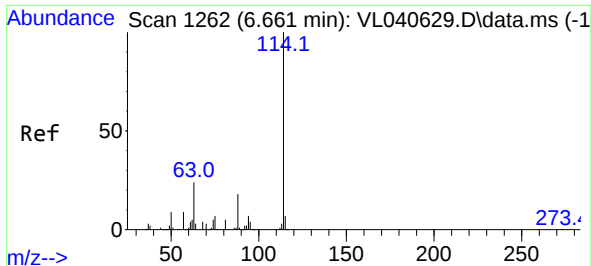
Tgt Ion: 49 Resp: 838256  
Ion Ratio Lower Upper  
49 100  
128 51.5 24.9 74.7  
130 65.7 32.2 96.6



#20  
Methylene Chloride  
Concen: 0.204 ppbv  
RT: 3.935 min Scan# 414  
Delta R.T. 0.003 min  
Lab File: VL040651.D  
Acq: 5 Sep 2023 17:32

Tgt Ion: 84 Resp: 10217  
Ion Ratio Lower Upper  
84 100  
49 117.1 122.1 183.1#  
51 39.5 35.4 53.2  
86 54.7 51.7 77.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL040651.D

Acq: 5 Sep 2023 17:32

Instrument :

MSVOA\_L

ClientSampleId :

VIBLK

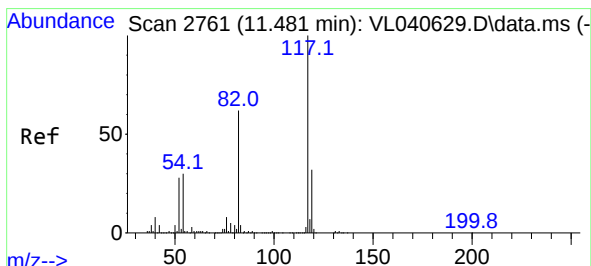
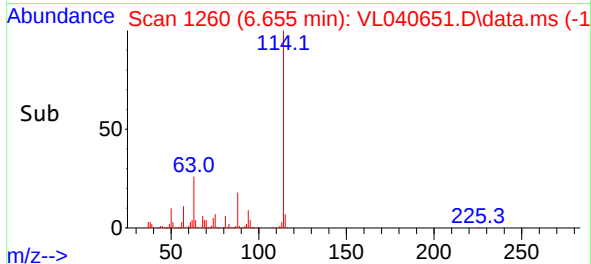
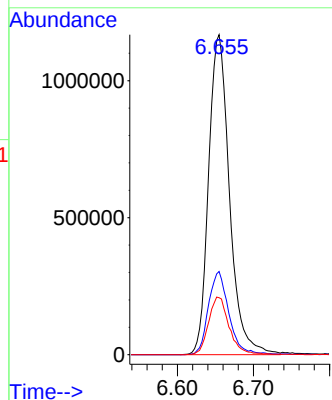
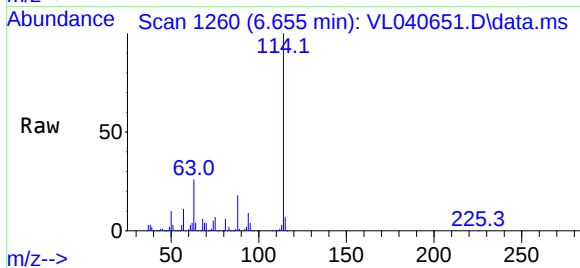
Tgt Ion:114 Resp: 2230003

Ion Ratio Lower Upper

114 100

63 25.8 20.2 30.2

88 18.0 14.1 21.1



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 2757

Delta R.T. -0.013 min

Lab File: VL040651.D

Acq: 5 Sep 2023 17:32

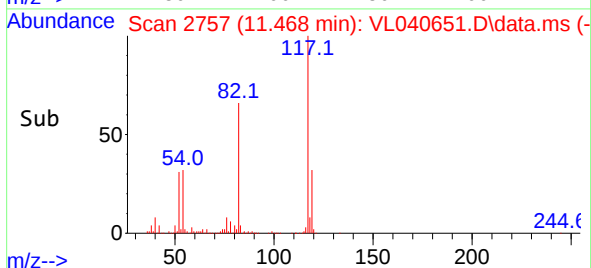
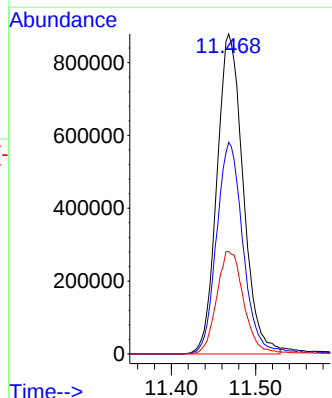
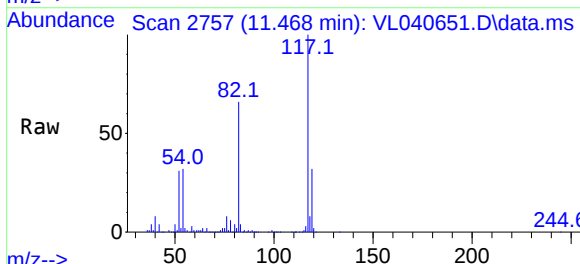
Tgt Ion:117 Resp: 1894823

Ion Ratio Lower Upper

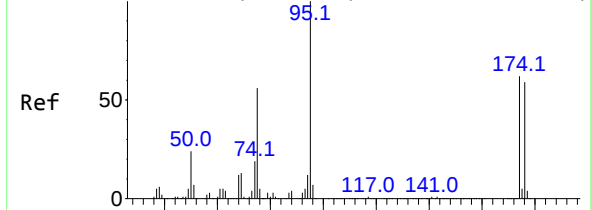
117 100

82 68.1 49.5 74.3

119 33.6 24.5 36.7



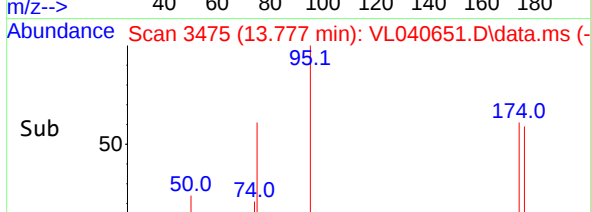
Abundance Scan 3480 (13.793 min): VL040629.D\data.ms (-



Abundance Scan 3475 (13.777 min): VL040651.D\data.ms



Abundance Scan 3475 (13.777 min): VL040651.D\data.ms (-



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.200 ppbv  
RT: 13.777 min Scan# 34  
Delta R.T. -0.016 min  
Lab File: VL040651.D  
Acq: 5 Sep 2023 17:32

Instrument :  
MSVOA\_L  
ClientSampleId :  
VIBLK

Tgt Ion: 95 Resp: 1537102  
Ion Ratio Lower Upper  
95 100  
174 63.2 49.1 73.7  
175 4.3 3.7 5.5

