

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL050924\  
 Data File : VL041252.D  
 Acq On : 9 May 2024 10:51  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: May 10 01:25:09 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL042924AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri May 10 01:23:08 2024  
 Response via : Initial Calibration

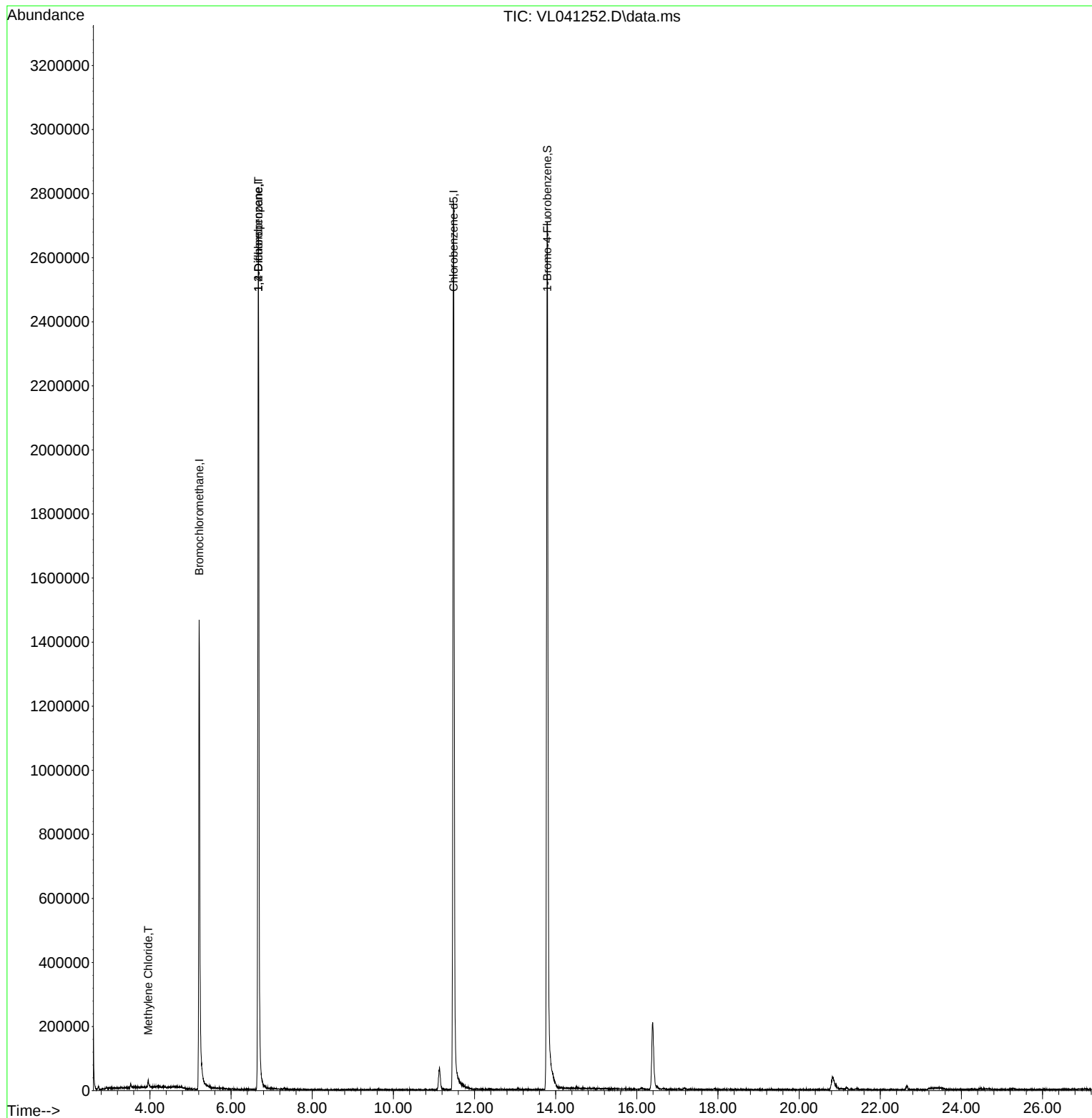
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.214  | 49    | 774158   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.671  | 114   | 2100525  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.484 | 117   | 1877412  | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.796 | 95    | 1462555  | 10.319   | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 103.200% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 20) Methylene Chloride      | 3.957  | 84    | 2449     | 0.077    | ppbv # | 30       |
| 39) 1,2-Dichloropropane     | 6.671  | 63    | 532760   | 7.842    | ppbv # | 24       |
| -----                       |        |       |          |          |        |          |

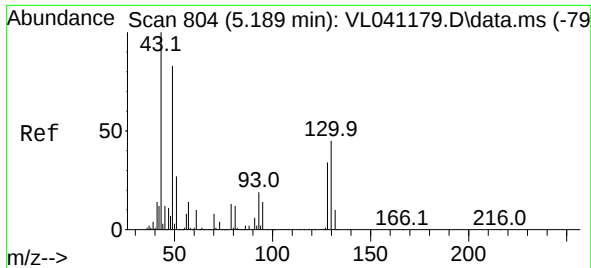
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL050924\  
Data File : VL041252.D  
Acq On : 9 May 2024 10:51  
Operator : SY/MD  
Sample : VIBLK  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :

Quant Time: May 10 01:25:09 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL042924AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Fri May 10 01:23:08 2024  
Response via : Initial Calibration

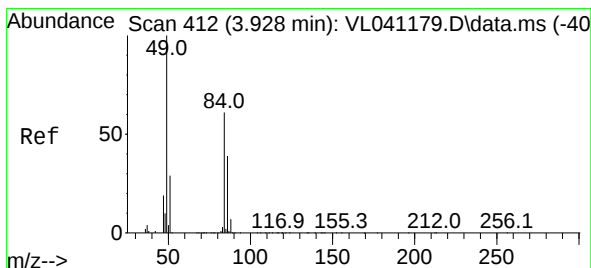
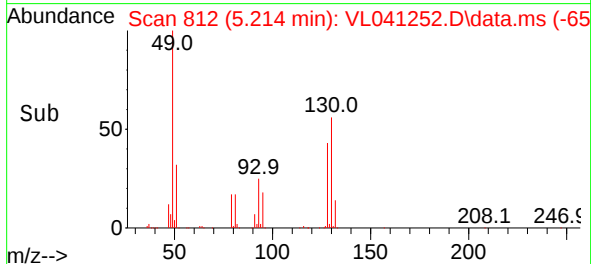
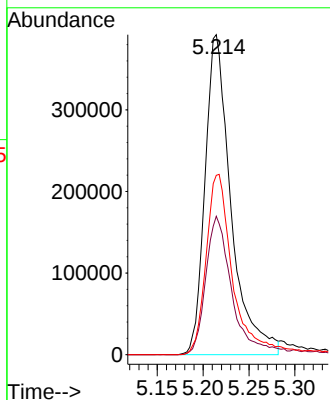
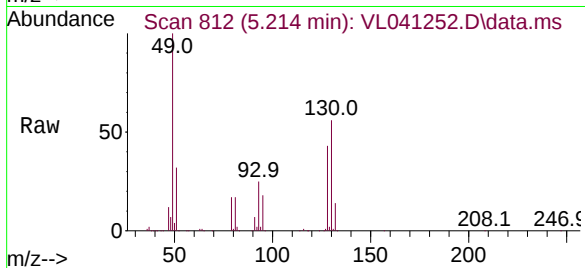




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.214 min Scan# 81  
 Delta R.T. 0.009 min  
 Lab File: VL041252.D  
 Acq: 9 May 2024 10:51

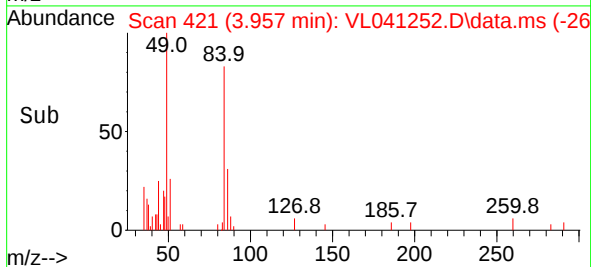
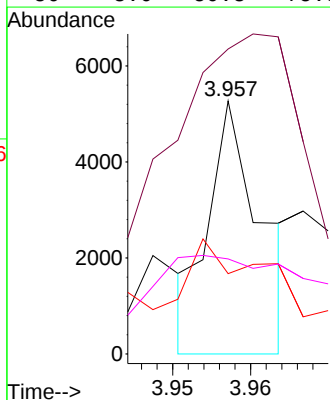
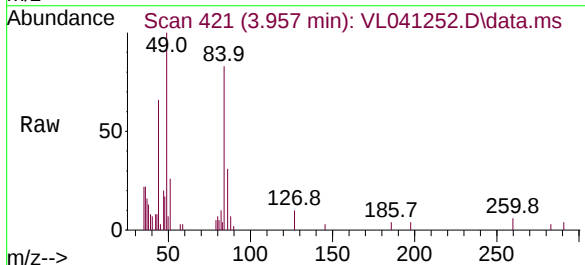
Instrument :  
 MSVOA\_L  
 ClientSampleId :

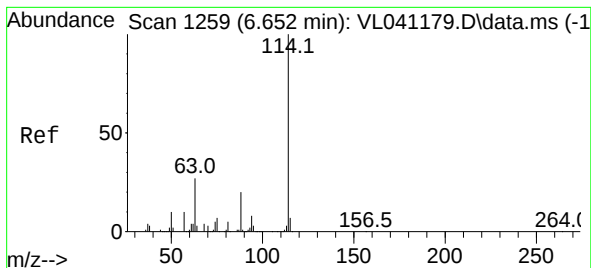
Tgt Ion: 49 Resp: 774158  
 Ion Ratio Lower Upper  
 49 100  
 128 45.3 21.5 64.5  
 130 61.4 27.2 81.6



#20  
 Methylene Chloride  
 Concen: 0.077 ppbv  
 RT: 3.957 min Scan# 421  
 Delta R.T. 0.010 min  
 Lab File: VL041252.D  
 Acq: 9 May 2024 10:51

Tgt Ion: 84 Resp: 2449  
 Ion Ratio Lower Upper  
 84 100  
 49 64.6 130.4 195.6#  
 51 14.8 38.0 57.0#  
 86 3.0 50.3 75.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.671 min Scan# 1265

Delta R.T. 0.003 min

Lab File: VL041252.D

Acq: 9 May 2024 10:51

Instrument :

MSVOA\_L

ClientSampleId :

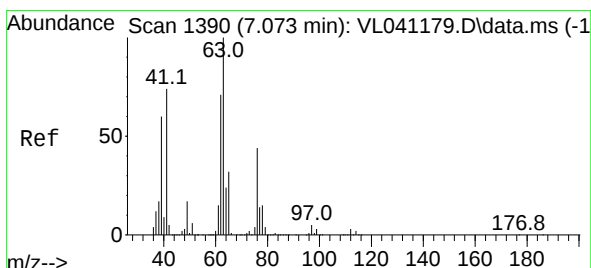
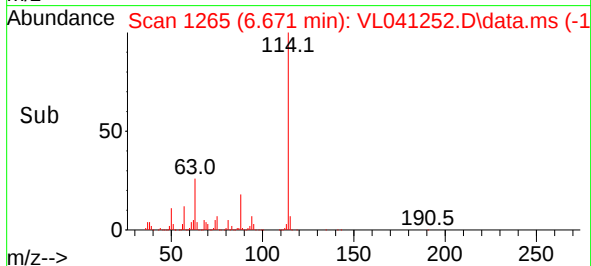
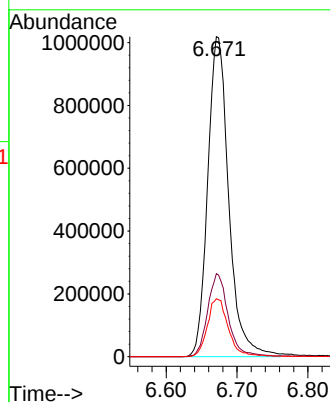
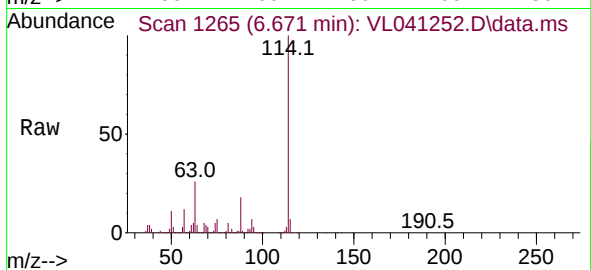
Tgt Ion:114 Resp: 2100525

Ion Ratio Lower Upper

114 100

63 25.7 21.8 32.6

88 18.1 15.2 22.8



#39

1,2-Dichloropropane

Concen: 7.842 ppbv

RT: 6.671 min Scan# 1265

Delta R.T. -0.418 min

Lab File: VL041252.D

Acq: 9 May 2024 10:51

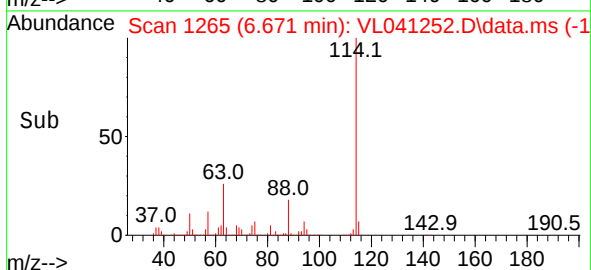
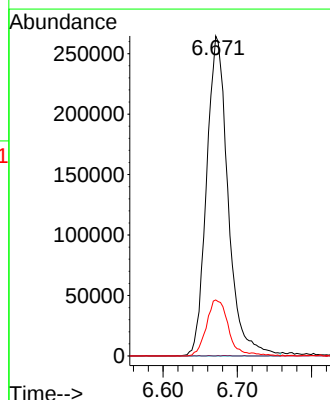
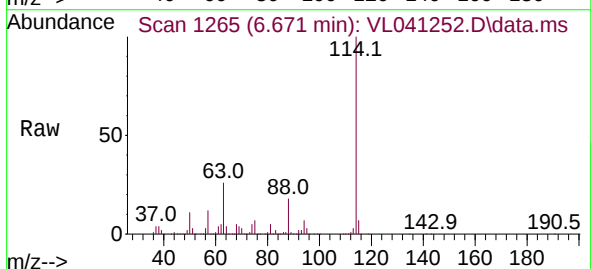
Tgt Ion: 63 Resp: 532760

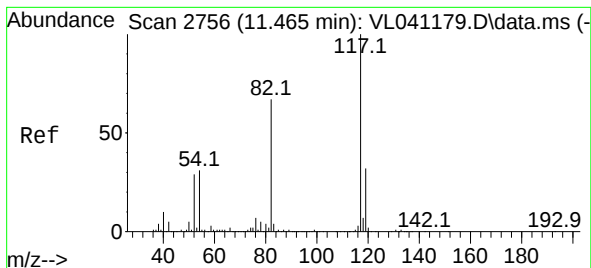
Ion Ratio Lower Upper

63 100

41 0.0 59.4 89.0#

62 17.5 56.8 85.2#

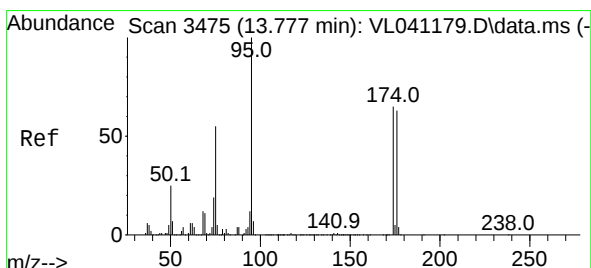
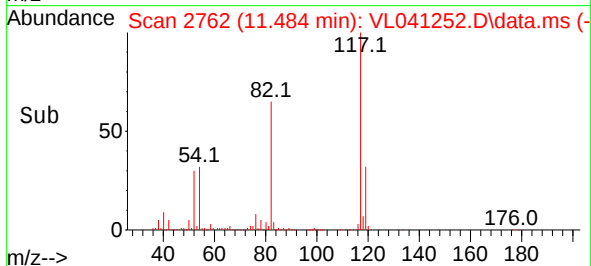
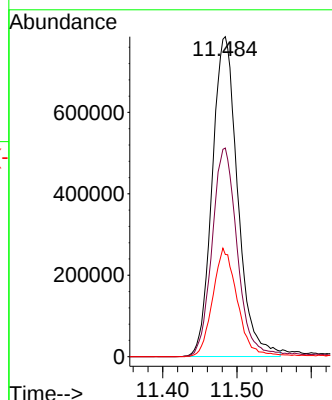
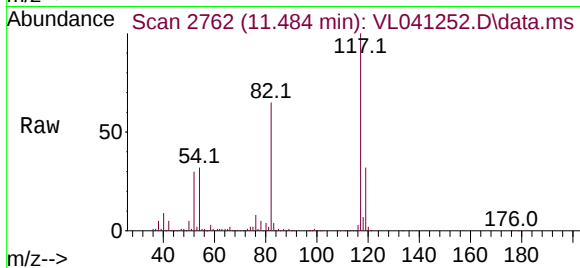




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.484 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL041252.D  
Acq: 9 May 2024 10:51

Instrument :  
MSVOA\_L  
ClientSampleId :

Tgt Ion:117 Resp: 1877412  
Ion Ratio Lower Upper  
117 100  
82 66.3 53.6 80.4  
119 33.0 27.2 40.8



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.319 ppbv  
RT: 13.796 min Scan# 3481  
Delta R.T. 0.010 min  
Lab File: VL041252.D  
Acq: 9 May 2024 10:51

Tgt Ion: 95 Resp: 1462555  
Ion Ratio Lower Upper  
95 100  
174 64.5 53.6 80.4  
175 4.8 4.2 6.4

