

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL050824\  
 Data File : VL041237.D  
 Acq On : 8 May 2024 10:40  
 Operator : SY/MD  
 Sample : QC050624 CAN 10445  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: May 09 02:50:47 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 : Thu May 09 02:43:03 2024  
 Response via : Initial Calibration

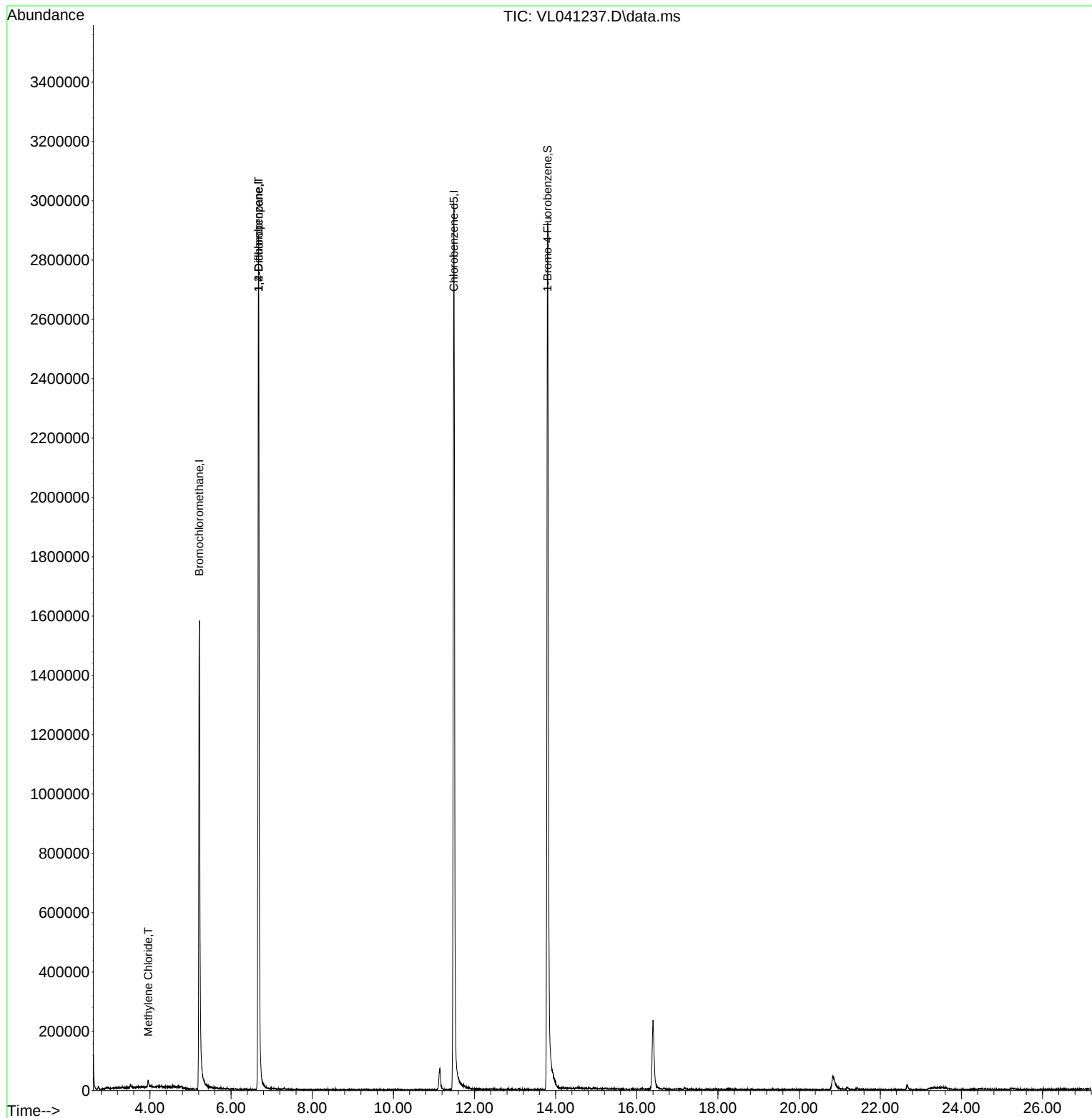
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.218  | 49    | 840394   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.677  | 114   | 2240544  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.491 | 117   | 2038363  | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.802 | 95    | 1553182  | 10.093   | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 100.900% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 20) Methylene Chloride      | 3.957  | 84    | 3624     | 0.105    | ppbv # | 71       |
| 39) 1,2-Dichloropropane     | 6.677  | 63    | 562092   | 7.757    | ppbv # | 23       |
| -----                       |        |       |          |          |        |          |

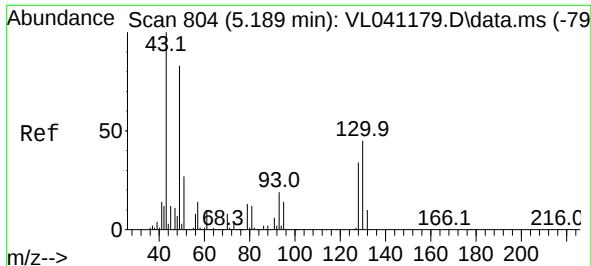
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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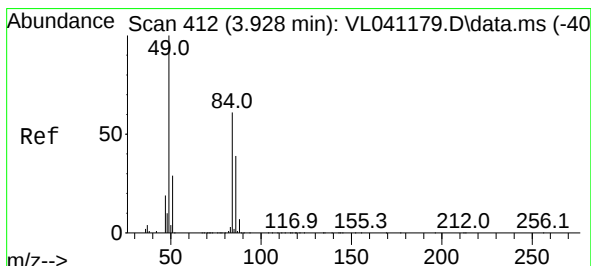
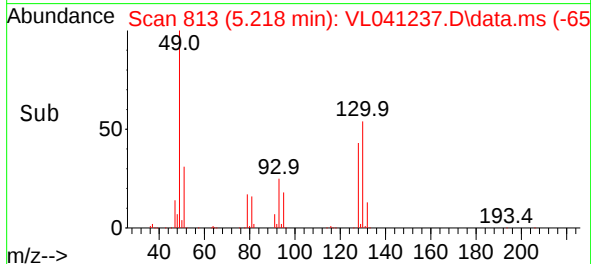
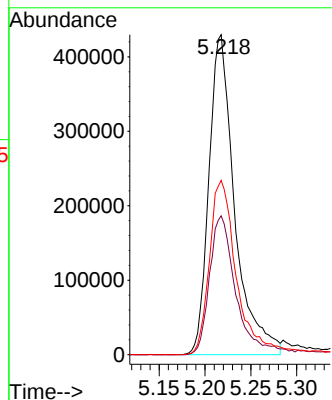
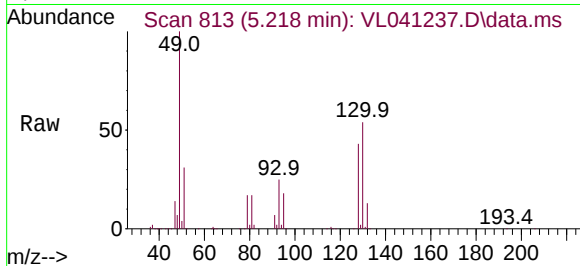




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.218 min Scan# 813  
Delta R.T. 0.007 min  
Lab File: VL041237.D  
Acq: 8 May 2024 10:40

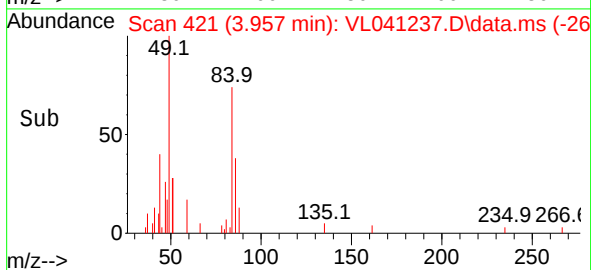
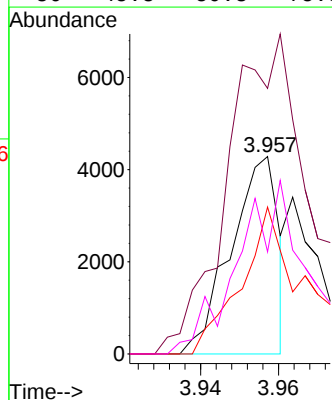
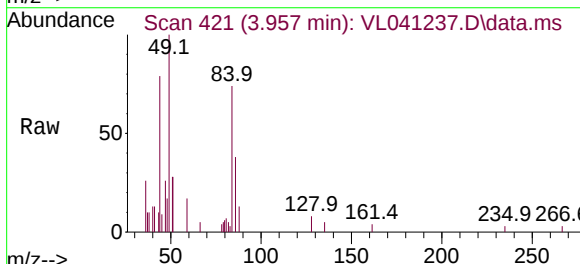
Instrument :  
MSVOA\_L  
ClientSampleId :

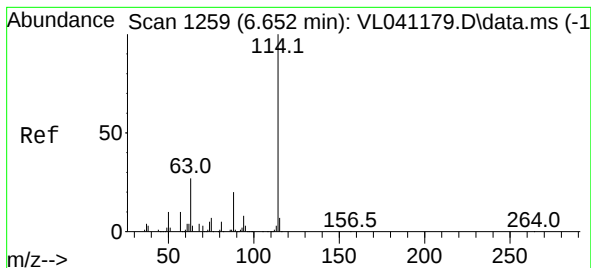
Tgt Ion: 49 Resp: 840394  
Ion Ratio Lower Upper  
49 100  
128 46.4 21.5 64.5  
130 59.3 27.2 81.6



#20  
Methylene Chloride  
Concen: 0.105 ppbv  
RT: 3.957 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VL041237.D  
Acq: 8 May 2024 10:40

Tgt Ion: 84 Resp: 3624  
Ion Ratio Lower Upper  
84 100  
49 124.3 130.4 195.6#  
51 74.4 38.0 57.0#  
86 45.8 50.3 75.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.677 min Scan# 1267

Delta R.T. 0.003 min

Lab File: VL041237.D

Acq: 8 May 2024 10:40

Instrument :

MSVOA\_L

ClientSampleId :

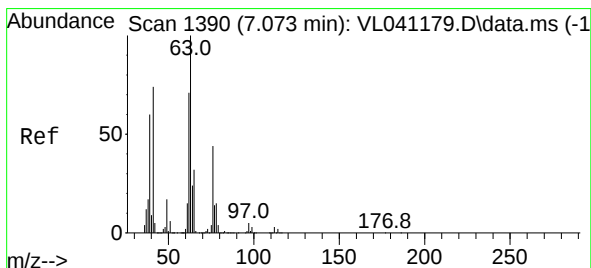
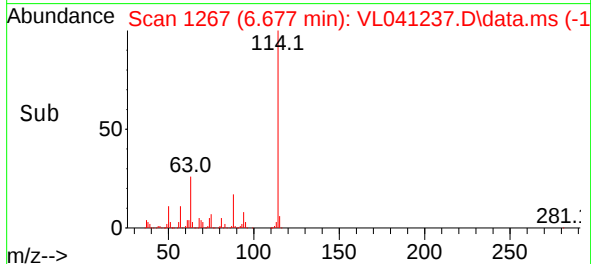
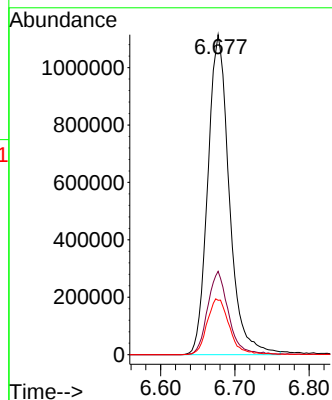
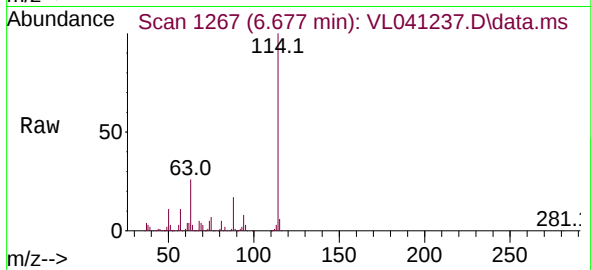
Tgt Ion:114 Resp: 2240544

Ion Ratio Lower Upper

114 100

63 25.7 21.8 32.6

88 18.2 15.2 22.8



#39

1,2-Dichloropropane

Concen: 7.757 ppbv

RT: 6.677 min Scan# 1267

Delta R.T. -0.415 min

Lab File: VL041237.D

Acq: 8 May 2024 10:40

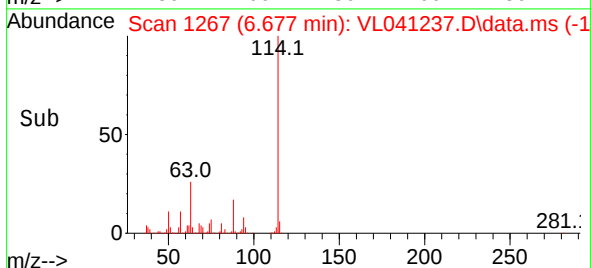
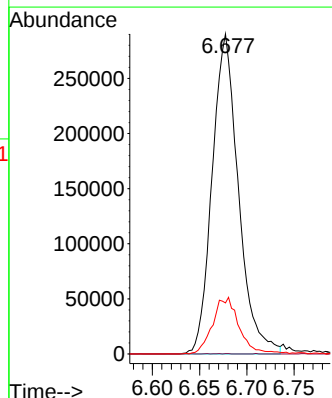
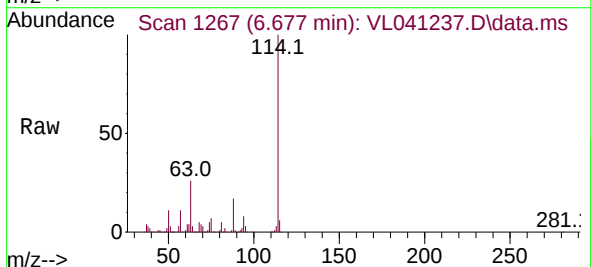
Tgt Ion: 63 Resp: 562092

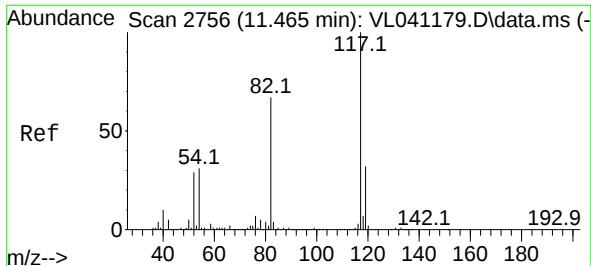
Ion Ratio Lower Upper

63 100

41 0.1 59.4 89.0#

62 16.0 56.8 85.2#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.491 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041237.D

Acq: 8 May 2024 10:40

Instrument :

MSVOA\_L

ClientSampleId :

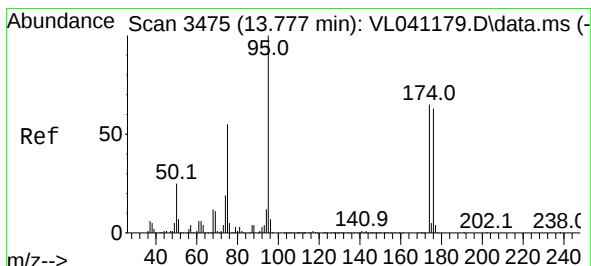
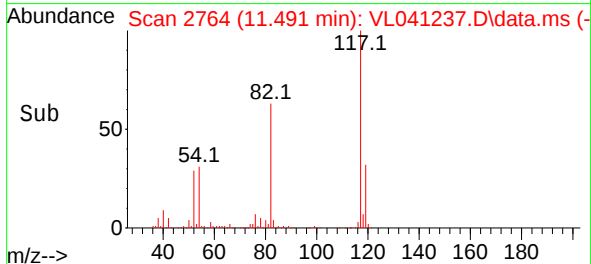
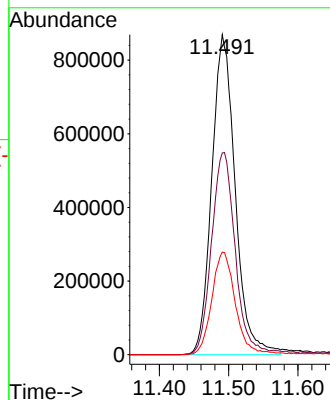
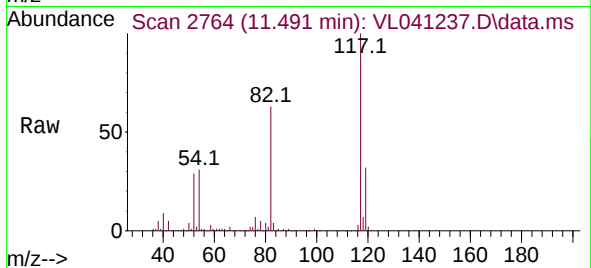
Tgt Ion:117 Resp: 2038363

Ion Ratio Lower Upper

117 100

82 65.8 53.6 80.4

119 32.6 27.2 40.8



#68

1-Bromo-4-Fluorobenzene

Concen: 10.093 ppbv

RT: 13.802 min Scan# 3483

Delta R.T. 0.006 min

Lab File: VL041237.D

Acq: 8 May 2024 10:40

Tgt Ion: 95 Resp: 1553182

Ion Ratio Lower Upper

95 100

174 66.2 53.6 80.4

175 4.9 4.2 6.4

