

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020123\  
 Data File : VU052905.D  
 Acq On : 01 Feb 2023 15:08  
 Operator : JC/MD  
 Sample : 01314-13DL 50X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A44M0DL

Quant Time: Feb 01 20:05:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM012623WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Feb 01 20:03:09 2023  
 Response via : Initial Calibration

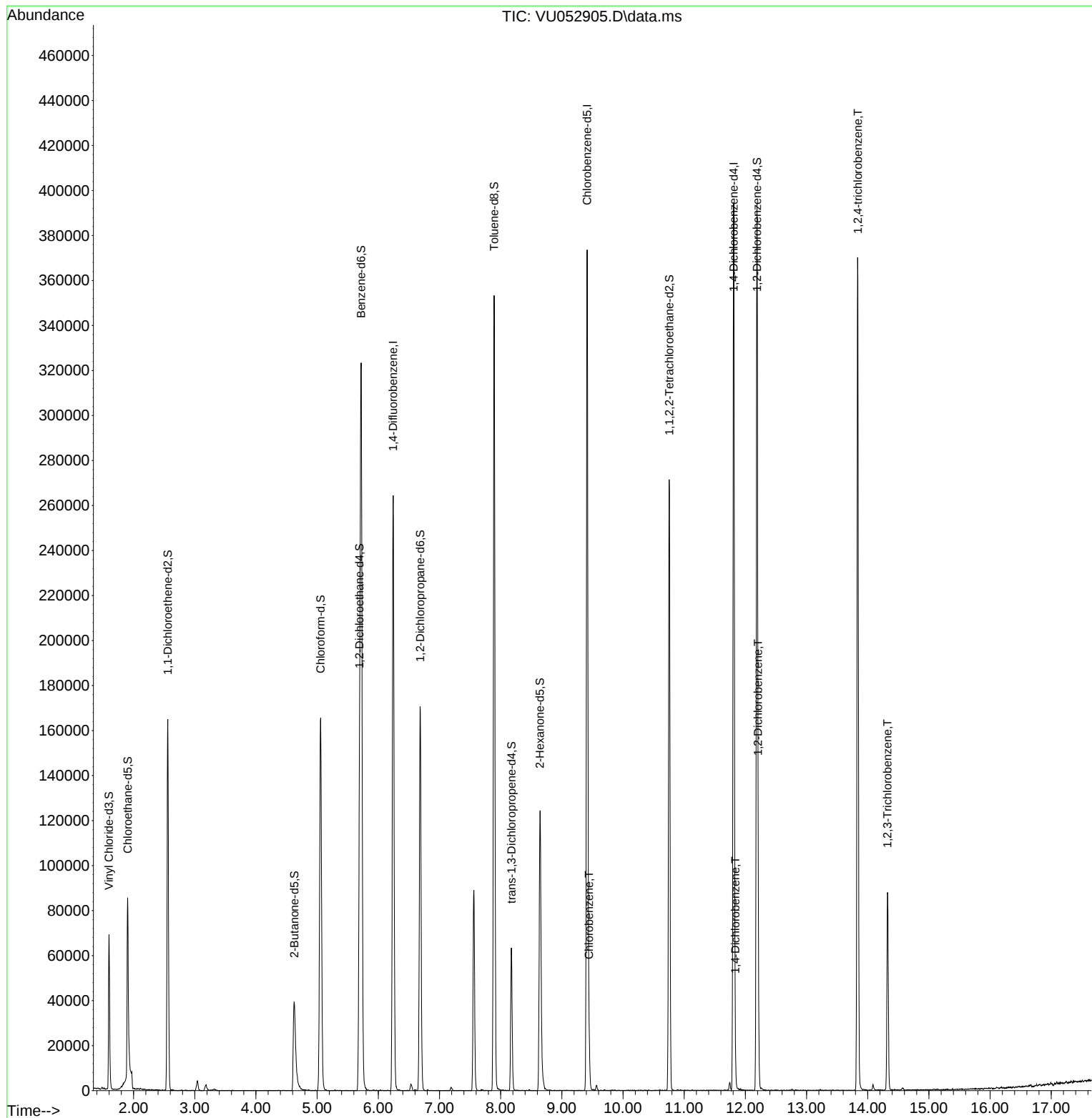
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.243          | 114  | 223034     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414          | 117  | 217187     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809         | 152  | 109771     | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597          | 65   | 55721      | 34.711   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 69.420%  |        |          |
| 7) Chloroethane-d5            | 1.903          | 69   | 64872      | 49.044   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 98.080%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.559          | 63   | 92761      | 29.052   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 58.100%# |        |          |
| 21) 2-Butanone-d5             | 4.626          | 46   | 61302      | 61.817   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 61.820%  |        |          |
| 24) Chloroform-d              | 5.057          | 84   | 161243     | 47.065   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 94.120%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.694          | 65   | 103919     | 47.505   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 95.000%  |        |          |
| 32) Benzene-d6                | 5.719          | 84   | 305734     | 46.076   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 92.160%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.684          | 67   | 76128      | 39.119   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 78.240%  |        |          |
| 41) Toluene-d8                | 7.893          | 98   | 236559     | 39.151   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 78.300%# |        |          |
| 43) trans-1,3-Dichloroprop... | 8.176          | 79   | 37494      | 38.440   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 76.880%  |        |          |
| 47) 2-Hexanone-d5             | 8.642          | 63   | 46548      | 68.074   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 68.070%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755         | 84   | 126596     | 44.029   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 88.060%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192         | 152  | 107920     | 50.632   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 101.260% |        |          |
| Target Compounds              |                |      |            |          |        |          |
|                               |                |      |            |          | Qvalue |          |
| 51) Chlorobenzene             | 9.443          | 112  | 13443      | 2.579    | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 11.835         | 146  | 4497       | 1.214    | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 12.208         | 146  | 16893      | 4.669    | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.838         | 180  | 124374     | 56.022   | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.324         | 180  | 29748      | 12.679   | ug/L   | 99       |
| -----                         |                |      |            |          |        |          |

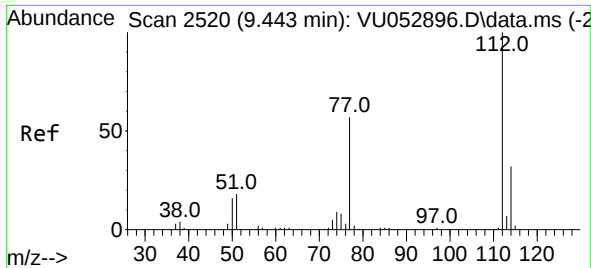
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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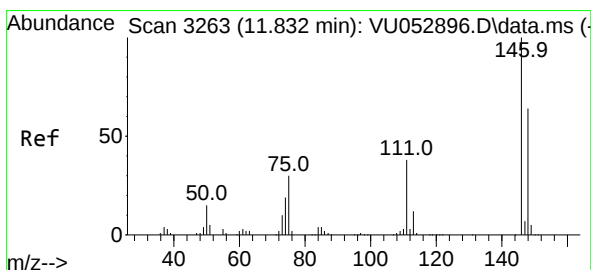
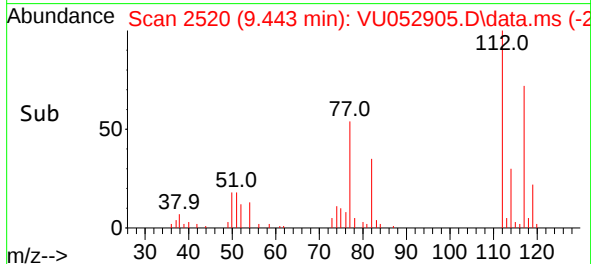
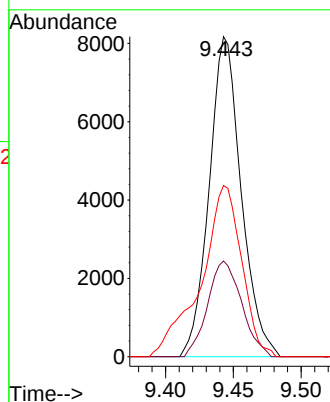
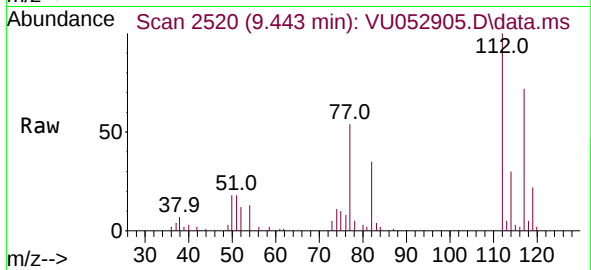




#51  
Chlorobenzene  
Concen: 2.579 ug/L  
RT: 9.443 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU052905.D  
Acq: 01 Feb 2023 15:08

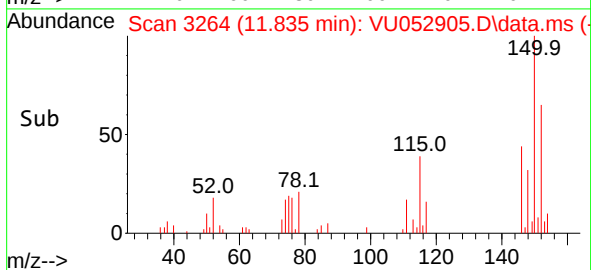
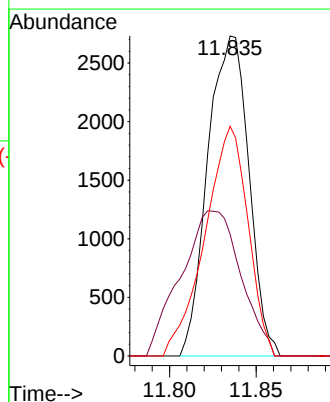
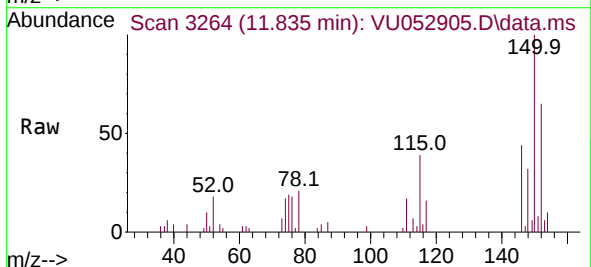
Instrument :  
MSVOA\_U  
ClientSampleId :  
A44MODL

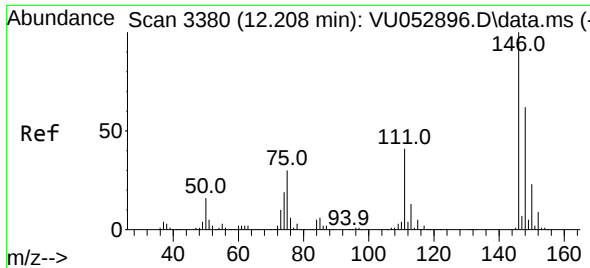
Tgt Ion:112 Resp: 13443  
Ion Ratio Lower Upper  
112 100  
114 29.9 22.8 42.4  
77 53.5 45.9 68.9



#65  
1,4-Dichlorobenzene  
Concen: 1.214 ug/L  
RT: 11.835 min Scan# 3264  
Delta R.T. 0.003 min  
Lab File: VU052905.D  
Acq: 01 Feb 2023 15:08

Tgt Ion:146 Resp: 4497  
Ion Ratio Lower Upper  
146 100  
111 38.0 26.7 49.7  
148 71.7 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 4.669 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052905.D

Acq: 01 Feb 2023 15:08

Instrument :

MSVOA\_U

ClientSampleId :

A44MODL

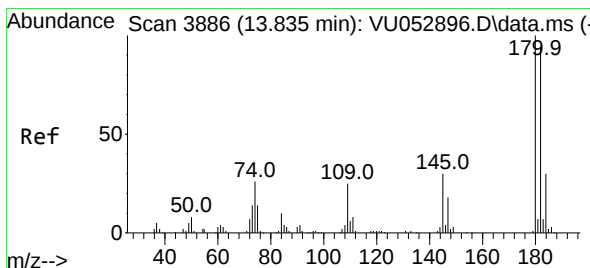
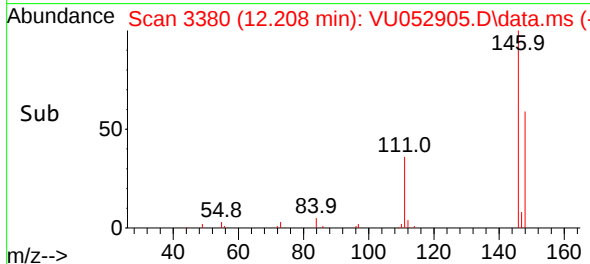
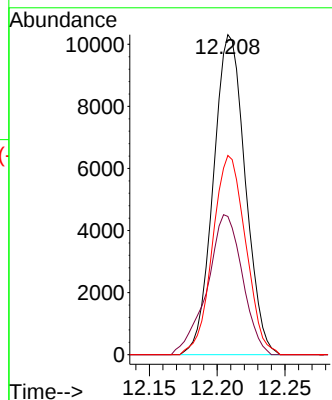
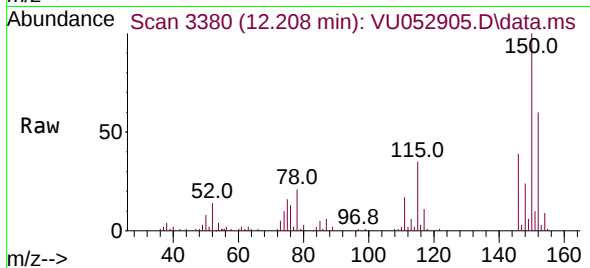
Tgt Ion:146 Resp: 16893

Ion Ratio Lower Upper

146 100

111 43.2 33.2 49.8

148 62.2 50.2 75.4



#70

1,2,4-trichlorobenzene

Concen: 56.022 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU052905.D

Acq: 01 Feb 2023 15:08

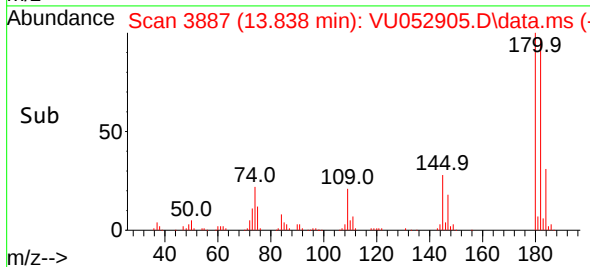
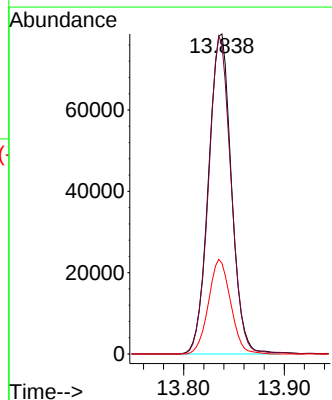
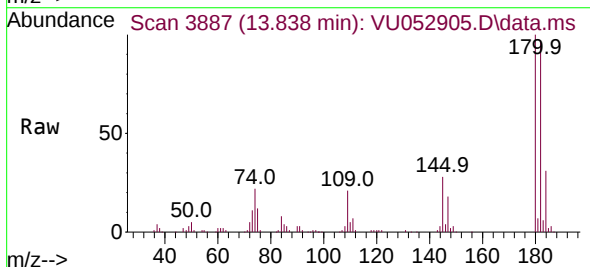
Tgt Ion:180 Resp: 124374

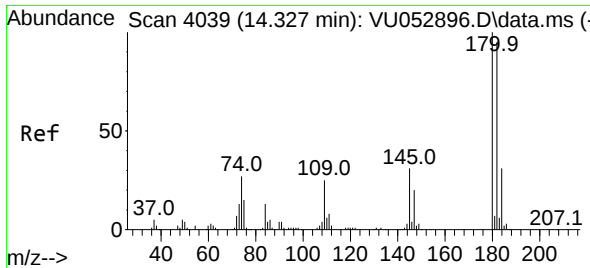
Ion Ratio Lower Upper

180 100

182 97.4 78.2 117.2

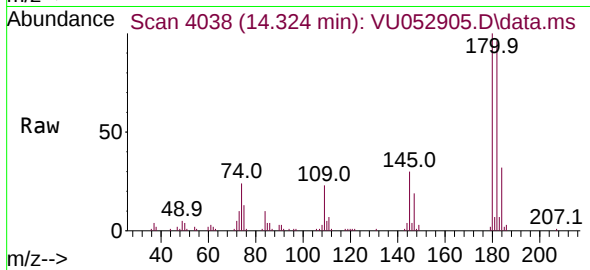
145 28.6 23.4 35.2





#72  
 1,2,3-Trichlorobenzene  
 Concen: 12.679 ug/L  
 RT: 14.324 min Scan# 4038  
 Delta R.T. -0.003 min  
 Lab File: VU052905.D  
 Acq: 01 Feb 2023 15:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A44MODL



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 29748 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 97.6  | 77.5  | 116.3 |
| 145       | 29.5  | 24.2  | 36.4  |

