

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070224\  
 Data File : VU059738.D  
 Acq On : 02 Jul 2024 14:44  
 Operator : MD/SY  
 Sample : P3108-05  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0SW1

Quant Time: Jul 03 01:55:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM070224WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 03 01:39:57 2024  
 Response via : Initial Calibration

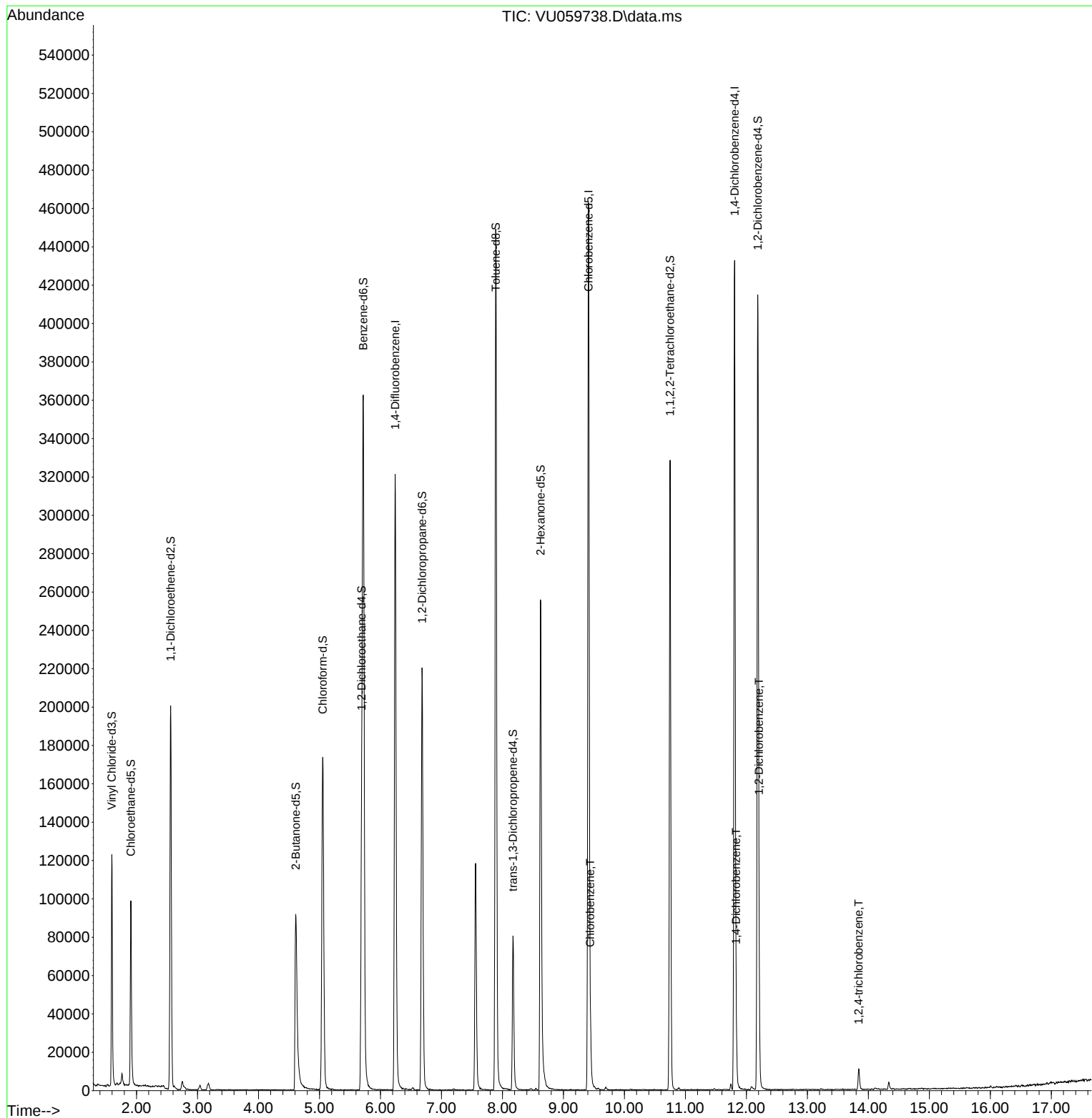
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242   | 114   | 276729   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412   | 117   | 270333   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807  | 152   | 121367   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595   | 65    | 90473    | 50.919   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 101.840% |
| 7) Chloroethane-d5            | 1.907   | 69    | 75052    | 50.219   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 100.440% |
| 11) 1,1-Dichloroethene-d2     | 2.560   | 63    | 116945   | 37.048   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 74.100%  |
| 21) 2-Butanone-d5             | 4.611   | 46    | 133033   | 107.737  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 107.740% |
| 24) Chloroform-d              | 5.052   | 84    | 166604   | 48.420   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.840%  |
| 26) 1,2-Dichloroethane-d4     | 5.692   | 65    | 105708   | 51.669   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 103.340% |
| 32) Benzene-d6                | 5.717   | 84    | 346918   | 50.115   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.240% |
| 36) 1,2-Dichloropropane-d6    | 6.682   | 67    | 111088   | 51.850   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 103.700% |
| 41) Toluene-d8                | 7.891   | 98    | 313897   | 47.682   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 95.360%  |
| 43) trans-1,3-Dichloroprop... | 8.174   | 79    | 47767    | 47.646   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 95.300%  |
| 47) 2-Hexanone-d5             | 8.624   | 63    | 94914    | 105.118  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 105.120% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749  | 84    | 166807   | 50.725   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 101.460% |
| 66) 1,2-Dichlorobenzene-d4    | 12.187  | 152   | 117197   | 52.549   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 105.100% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 51) Chlorobenzene             | 9.441   | 112   | 16122    | 3.047    | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.833  | 146   | 9471     | 2.497    | ug/L   | 89       |
| 67) 1,2-Dichlorobenzene       | 12.206  | 146   | 12438    | 3.356    | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 13.843  | 180   | 4400     | 1.845    | ug/L   | 98       |
| -----                         |         |       |          |          |        |          |

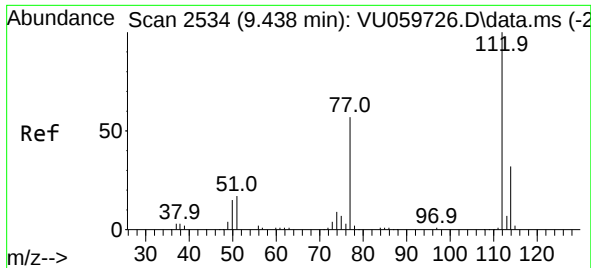
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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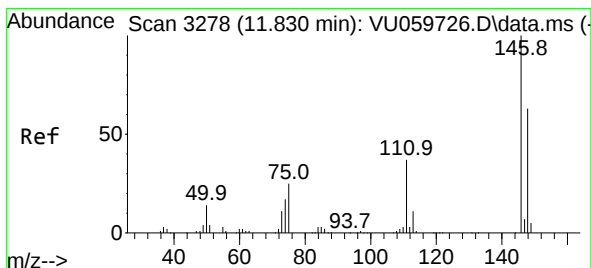
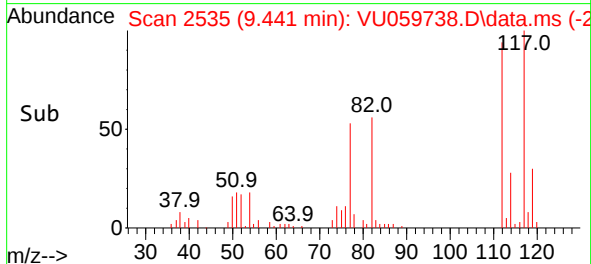
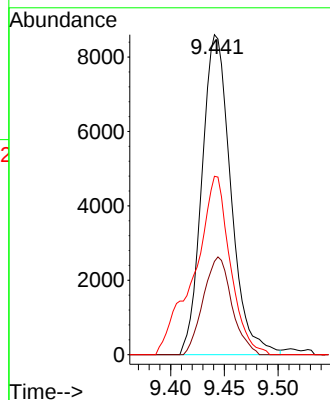
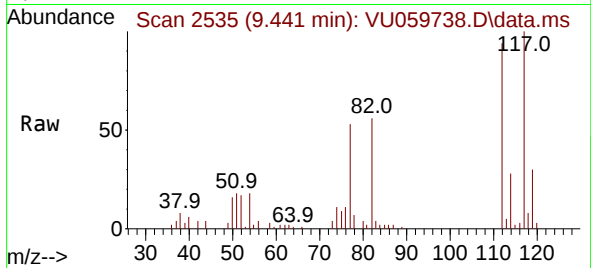




#51  
Chlorobenzene  
Concen: 3.047 ug/L  
RT: 9.441 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU059738.D  
Acq: 02 Jul 2024 14:44

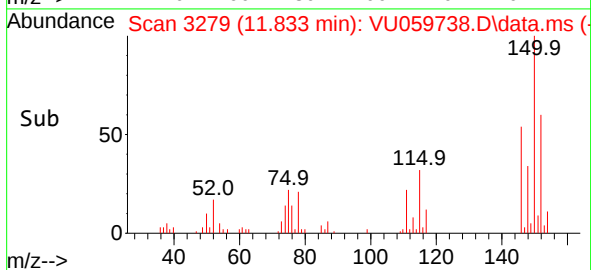
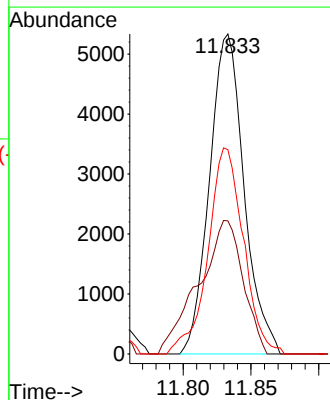
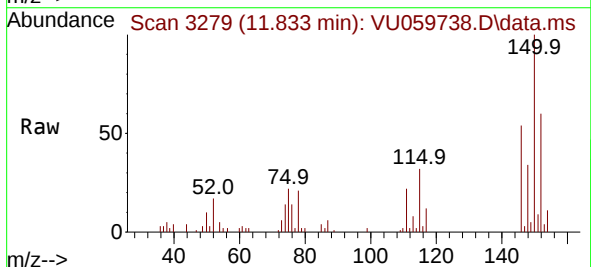
Instrument :  
MSVOA\_U  
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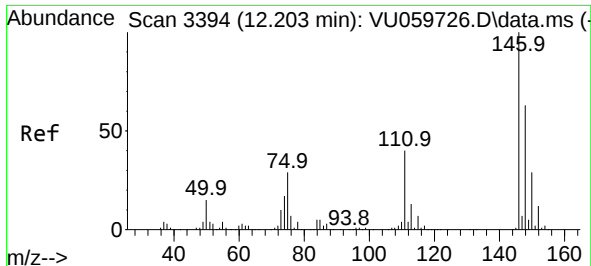
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 16122 |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 114       | 29.1  | 22.7  | 42.3  |
| 77        | 55.7  | 45.8  | 68.6  |



#65  
1,4-Dichlorobenzene  
Concen: 2.497 ug/L  
RT: 11.833 min Scan# 3279  
Delta R.T. 0.003 min  
Lab File: VU059738.D  
Acq: 02 Jul 2024 14:44

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 146   | Resp: | 9471 |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 41.6  | 25.9  | 48.1 |
| 148       | 73.3  | 44.0  | 81.8 |





#67

1,2-Dichlorobenzene

Concen: 3.356 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU059738.D

Acq: 02 Jul 2024 14:44

Instrument :

MSVOA\_U

ClientSampleId :

C0SW1

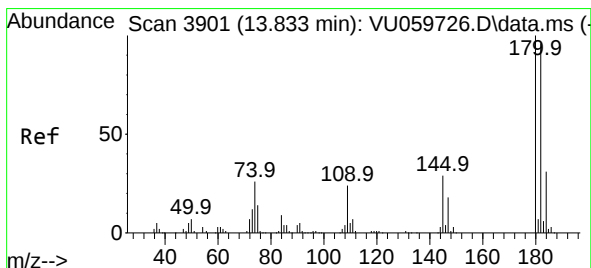
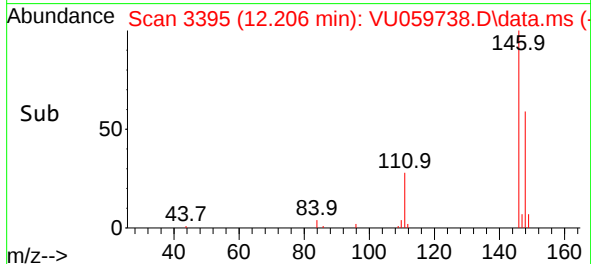
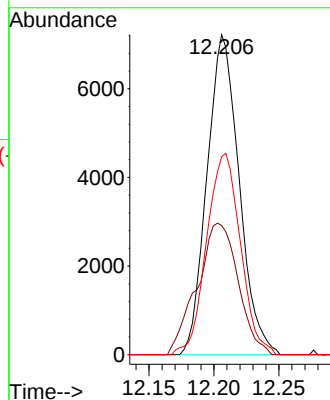
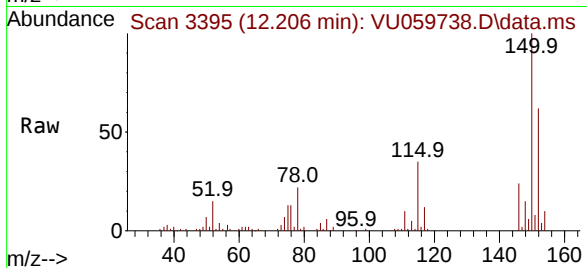
Tgt Ion:146 Resp: 12438

Ion Ratio Lower Upper

146 100

111 44.2 31.7 47.5

148 61.8 50.8 76.2



#70

1,2,4-trichlorobenzene

Concen: 1.845 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.009 min

Lab File: VU059738.D

Acq: 02 Jul 2024 14:44

Tgt Ion:180 Resp: 4400

Ion Ratio Lower Upper

180 100

182 92.9 76.4 114.6

145 28.4 23.0 34.4

