

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW053024\  
 Data File : VW028912.D  
 Acq On : 30 May 2024 15:28  
 Operator : SY/MD  
 Sample : P2647-15  
 Misc : 5.27g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BHBS9

Quant Time: May 31 01:35:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050224SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed May 29 23:53:47 2024  
 Response via : Initial Calibration

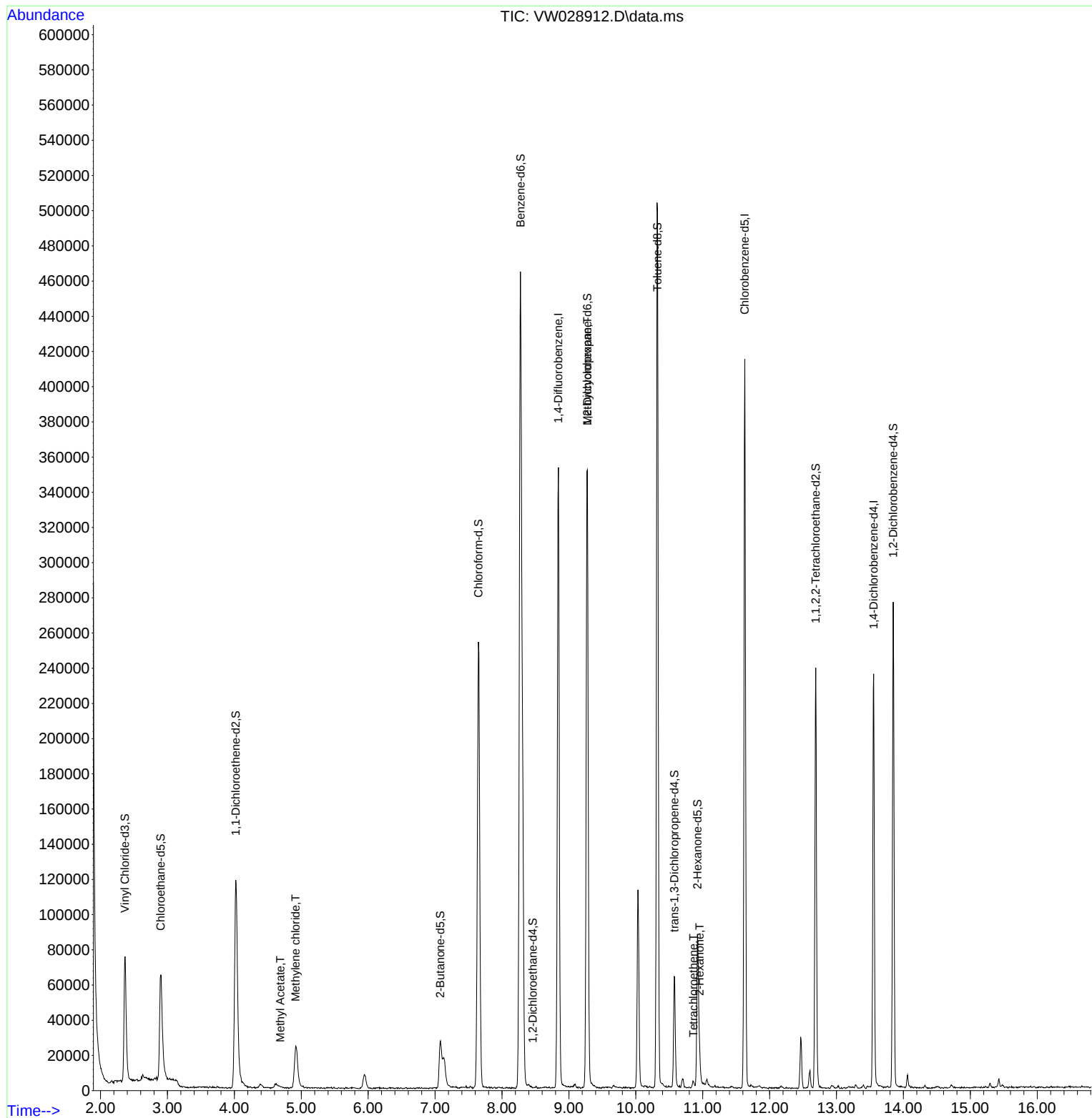
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 281249   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 211061   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 58404    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 102111   | 19.119   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 76.480%   |
| 7) Chloroethane-d5            | 2.899  | 69    | 97895    | 23.939   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 95.760%   |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 43826    | 19.641   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 78.560%   |
| 21) 2-Butanone-d5             | 7.075  | 46    | 42729    | 30.666   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 61.340%   |
| 24) Chloroform-d              | 7.648  | 84    | 255499   | 29.073   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 116.280%  |
| 26) 1,2-Dichloroethane-d4     | 8.459  | 65    | 152      | 0.030    | ug/L   | 0.16      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 0.120%#   |
| 32) Benzene-d6                | 8.276  | 84    | 460878   | 32.729   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 130.920%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 163083   | 38.487   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 153.960%# |
| 41) Toluene-d8                | 10.325 | 98    | 327732   | 26.280   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 105.120%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 34795    | 20.412   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 81.640%   |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 25738    | 35.217   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 70.440%   |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 116362   | 32.749   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 131.000%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 65415    | 29.386   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 117.560%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 15) Methyl Acetate            | 4.685  | 43    | 659      | 0.299    | ug/L   | 94        |
| 16) Methylene chloride        | 4.917  | 84    | 19184    | 4.410    | ug/L   | 92        |
| 35) Methylcyclohexane         | 9.276  | 83    | 39105    | 6.098    | ug/L # | 16        |
| 46) Tetrachloroethene         | 10.861 | 164   | 768      | 0.290    | ug/L   | 87        |
| 48) 2-Hexanone                | 10.953 | 43    | 12821    | 7.482    | ug/L # | 40        |
| -----                         |        |       |          |          |        |           |

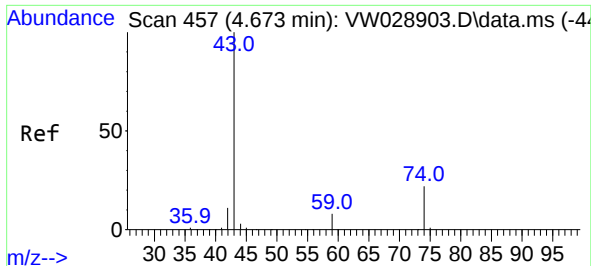
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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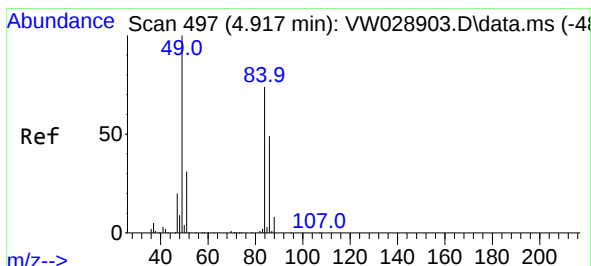
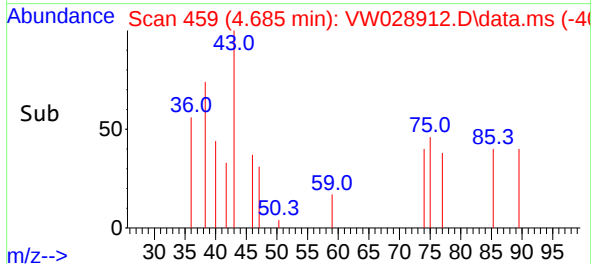
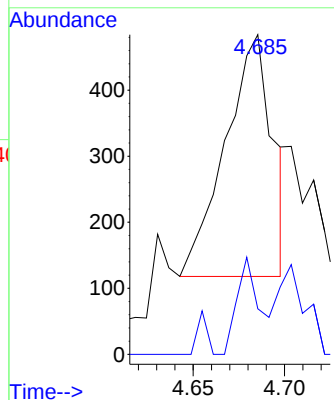
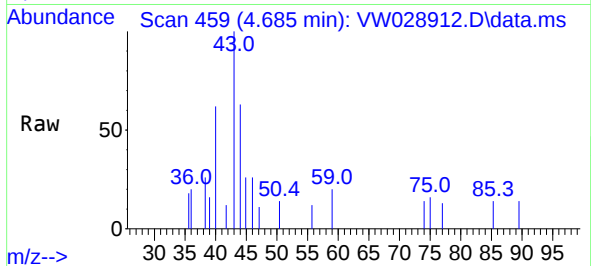




#15  
Methyl Acetate  
Concen: 0.299 ug/L  
RT: 4.685 min Scan# 459  
Delta R.T. 0.006 min  
Lab File: VW028912.D  
Acq: 30 May 2024 15:28

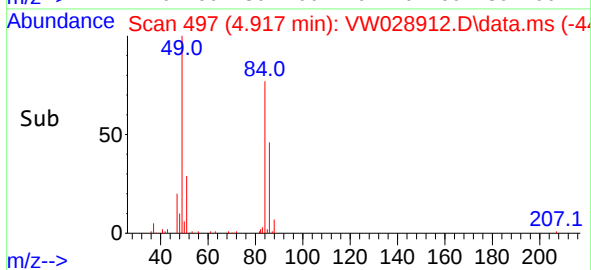
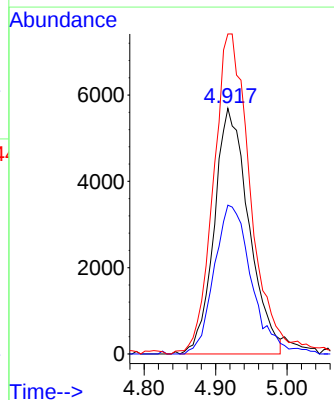
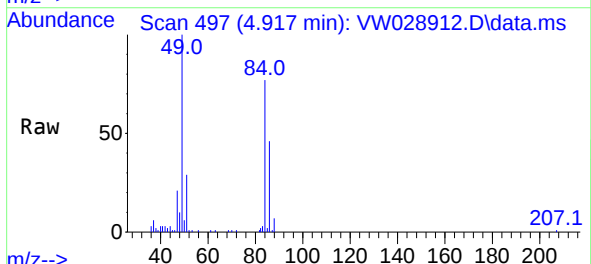
Instrument :  
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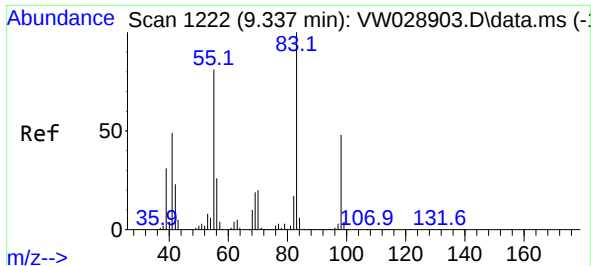
Tgt Ion: 43 Resp: 659  
Ion Ratio Lower Upper  
43 100  
74 19.3 17.6 26.4



#16  
Methylene chloride  
Concen: 4.410 ug/L  
RT: 4.917 min Scan# 497  
Delta R.T. -0.006 min  
Lab File: VW028912.D  
Acq: 30 May 2024 15:28

Tgt Ion: 84 Resp: 19184  
Ion Ratio Lower Upper  
84 100  
86 60.6 44.4 82.4  
49 130.3 100.2 186.2

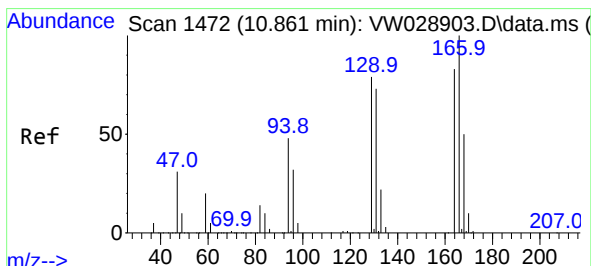
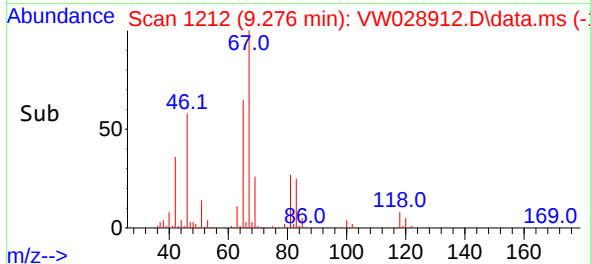
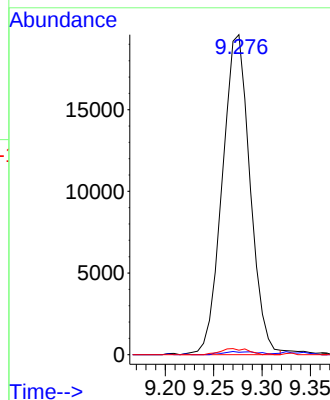
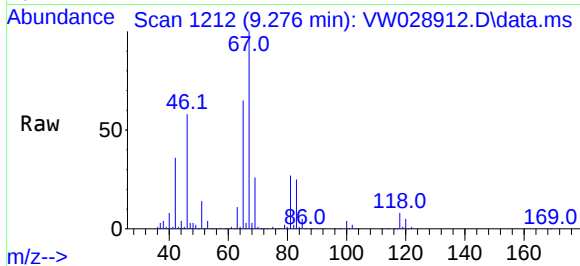




#35  
Methylcyclohexane  
Concen: 6.098 ug/L  
RT: 9.276 min Scan# 11  
Delta R.T. -0.061 min  
Lab File: VW028912.D  
Acq: 30 May 2024 15:28

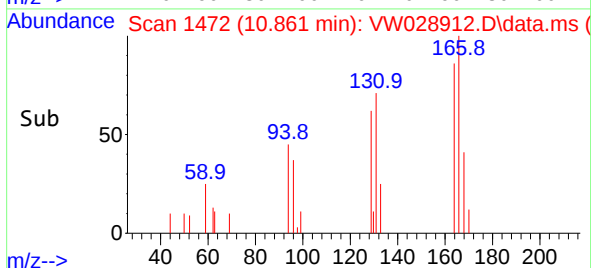
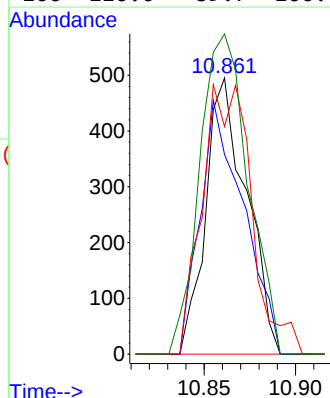
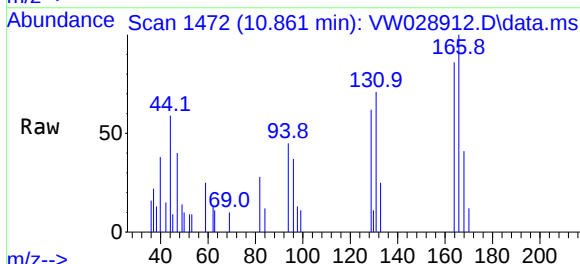
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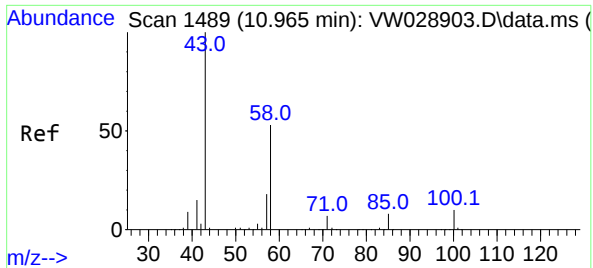
|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 39105 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 0.4      | 66.9 100.3# |
| 98 1.3      | 37.9 56.9#  |



#46  
Tetrachloroethene  
Concen: 0.290 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW028912.D  
Acq: 30 May 2024 15:28

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 768   |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 84.8    | 69.2  | 128.6 |
| 131 | 82.4    | 67.7  | 125.7 |
| 166 | 116.0   | 89.7  | 166.7 |





#48  
 2-Hexanone  
 Concen: 7.482 ug/L  
 RT: 10.953 min Scan# 14  
 Delta R.T. -0.012 min  
 Lab File: VW028912.D  
 Acq: 30 May 2024 15:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BHBS9

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 43 | Resp: | 12821       |
| Ion         | Ratio | Lower Upper |
| 43          | 100   |             |
| 58          | 0.0   | 41.0 61.4#  |
| 57          | 0.0   | 14.8 22.2#  |
| 100         | 0.6   | 8.6 12.8#   |

