

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121823\  
 Data File : VW027728.D  
 Acq On : 18 Dec 2023 14:20  
 Operator : SY/MD  
 Sample : 05794-03  
 Misc : 4.40g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BGRF9

Quant Time: Dec 18 22:13:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121523SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sun Dec 17 01:25:09 2023  
 Response via : Initial Calibration

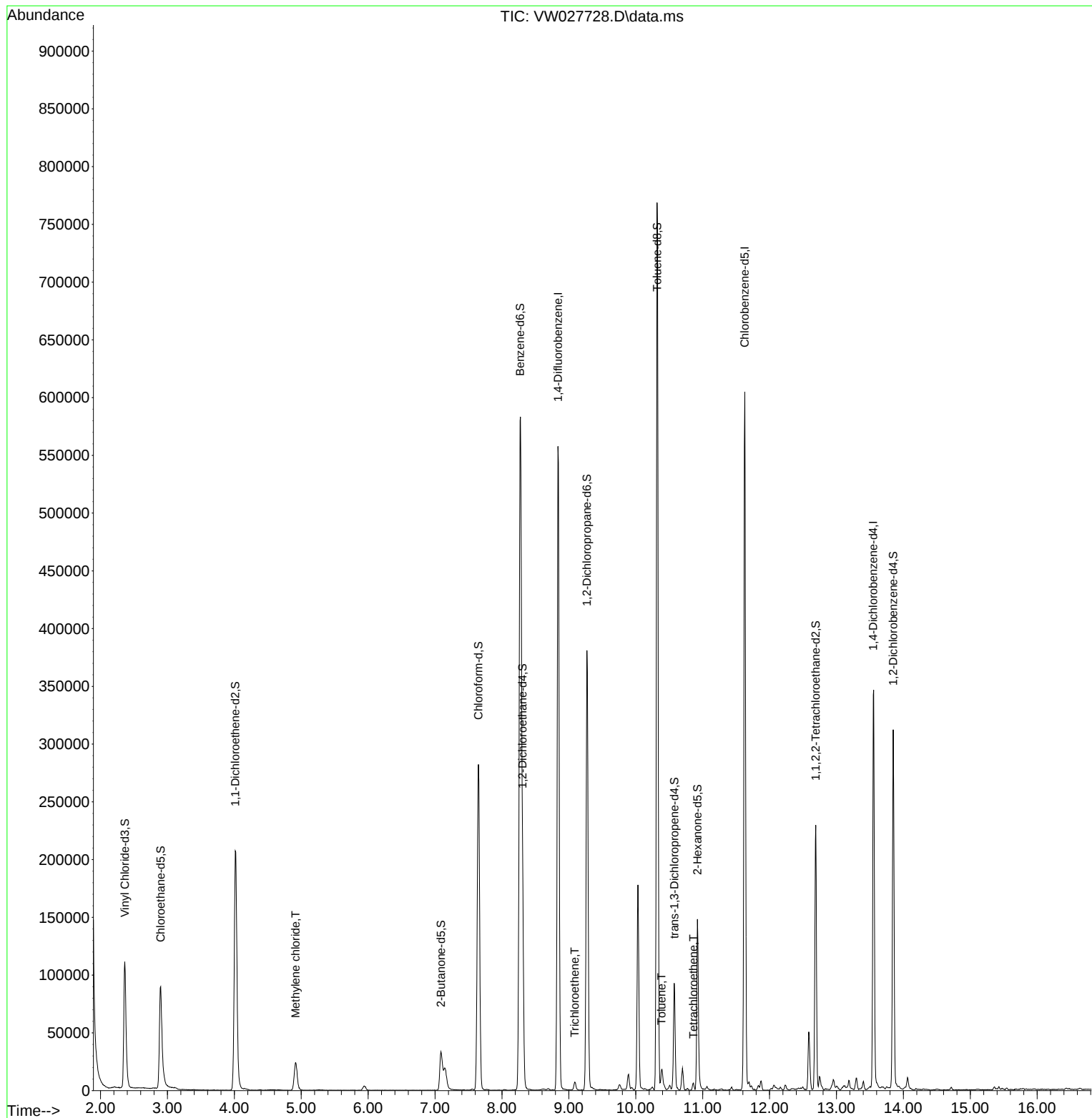
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.837  | 114   | 508605   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 364291   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.550 | 152   | 96700    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 164245   | 22.802   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 91.200%   |
| 7) Chloroethane-d5            | 2.899  | 69    | 142379   | 25.387   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 101.560%  |
| 11) 1,1-Dichloroethene-d2     | 4.015  | 65    | 66327    | 22.992   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 91.960%   |
| 21) 2-Butanone-d5             | 7.088  | 46    | 59759    | 48.721   | ug/L   | -0.01     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 97.440%   |
| 24) Chloroform-d              | 7.648  | 84    | 305087   | 25.209   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 100.840%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 142660   | 25.105   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 100.440%  |
| 32) Benzene-d6                | 8.270  | 84    | 659450   | 30.974   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 123.880%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 190699   | 31.616   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 126.480%# |
| 41) Toluene-d8                | 10.319 | 98    | 538308   | 27.252   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 109.000%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 53611    | 22.957   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 91.840%   |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 53289    | 60.625   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 121.260%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 117436   | 25.745   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 103.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 83135    | 24.017   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 96.080%   |
| Target Compounds              |        |       |          |          |        |           |
| 16) Methylene chloride        | 4.917  | 84    | 20469    | 2.567    | ug/L   | 94        |
| 34) Trichloroethene           | 9.087  | 95    | 2396     | 0.416    | ug/L   | 90        |
| 42) Toluene                   | 10.386 | 91    | 10978    | 0.483    | ug/L   | 93        |
| 46) Tetrachloroethene         | 10.861 | 164   | 1542     | 0.335    | ug/L # | 77        |

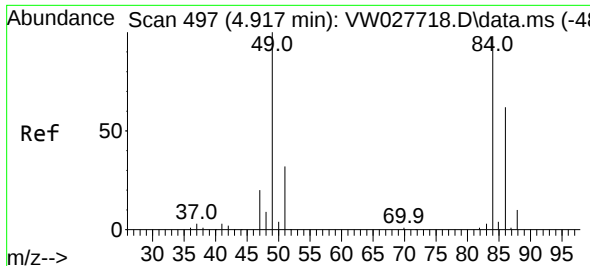
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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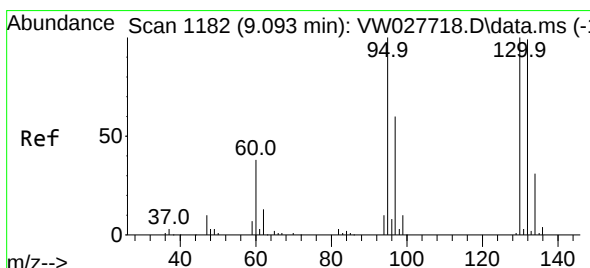
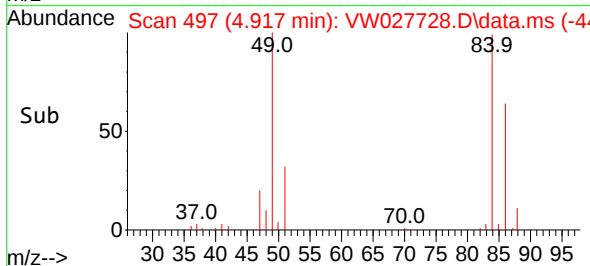
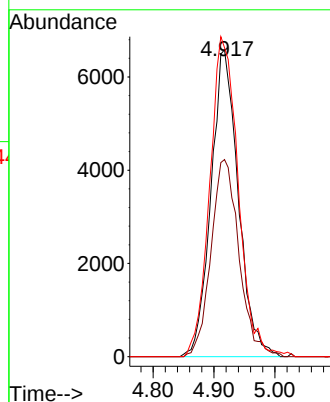
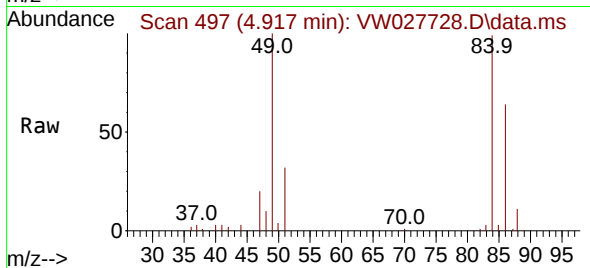




#16  
Methylene chloride  
Concen: 2.567 ug/L  
RT: 4.917 min Scan# 49  
Delta R.T. 0.000 min  
Lab File: VW027728.D  
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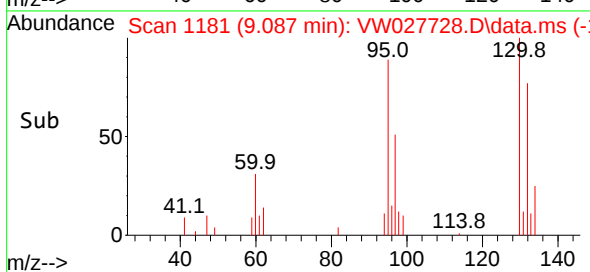
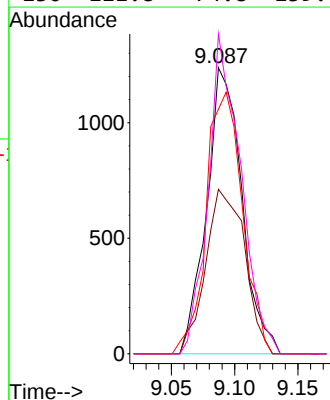
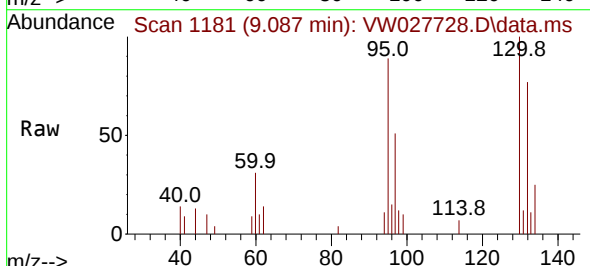
Instrument :  
MSVOA\_W  
ClientSampleId :  
BGRF9

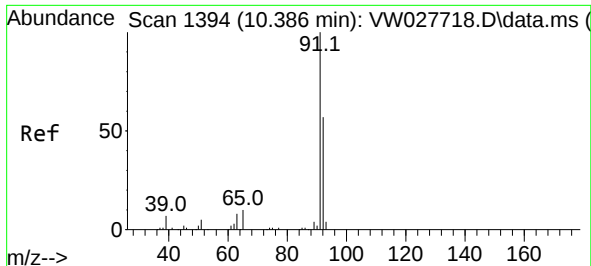
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 20469 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 86       | 64.2  | 45.8  | 85.2  |
| 49       | 100.7 | 76.2  | 141.6 |



#34  
Trichloroethene  
Concen: 0.416 ug/L  
RT: 9.087 min Scan# 1181  
Delta R.T. 0.000 min  
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Acq: 18 Dec 2023 14:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 2396  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 57.5  | 45.9  | 85.3  |
| 132      | 85.5  | 70.4  | 130.8 |
| 130      | 111.8 | 74.8  | 139.0 |

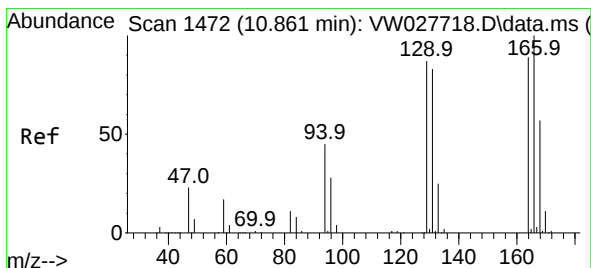
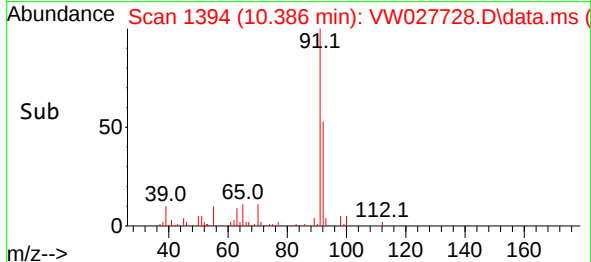
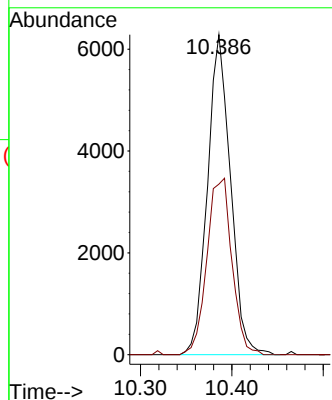
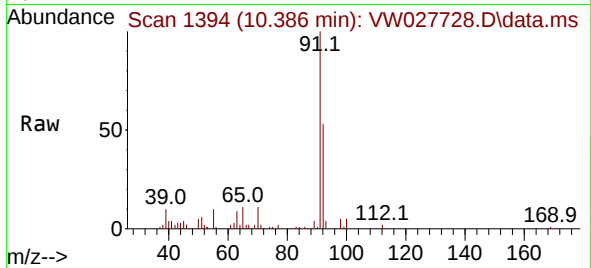




#42  
Toluene  
Concen: 0.483 ug/L  
RT: 10.386 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW027728.D  
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Instrument :  
MSVOA\_W  
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Tgt Ion: 91 Resp: 10978  
Ion Ratio Lower Upper  
91 100  
92 53.3 41.2 76.4



#46  
Tetrachloroethene  
Concen: 0.335 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VW027728.D  
Acq: 18 Dec 2023 14:20

Tgt Ion:164 Resp: 1542  
Ion Ratio Lower Upper  
164 100  
129 89.3 70.5 130.9  
131 85.1 64.8 120.3  
166 84.7 94.8 176.0#

