

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112224\  
 Data File : VU061994.D  
 Acq On : 23 Nov 2024 01:02  
 Operator : MD/SY  
 Sample : P4966-02  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E1PH8

Quant Time: Nov 23 03:17:45 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR112024WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Nov 23 00:14:12 2024  
 Response via : Initial Calibration

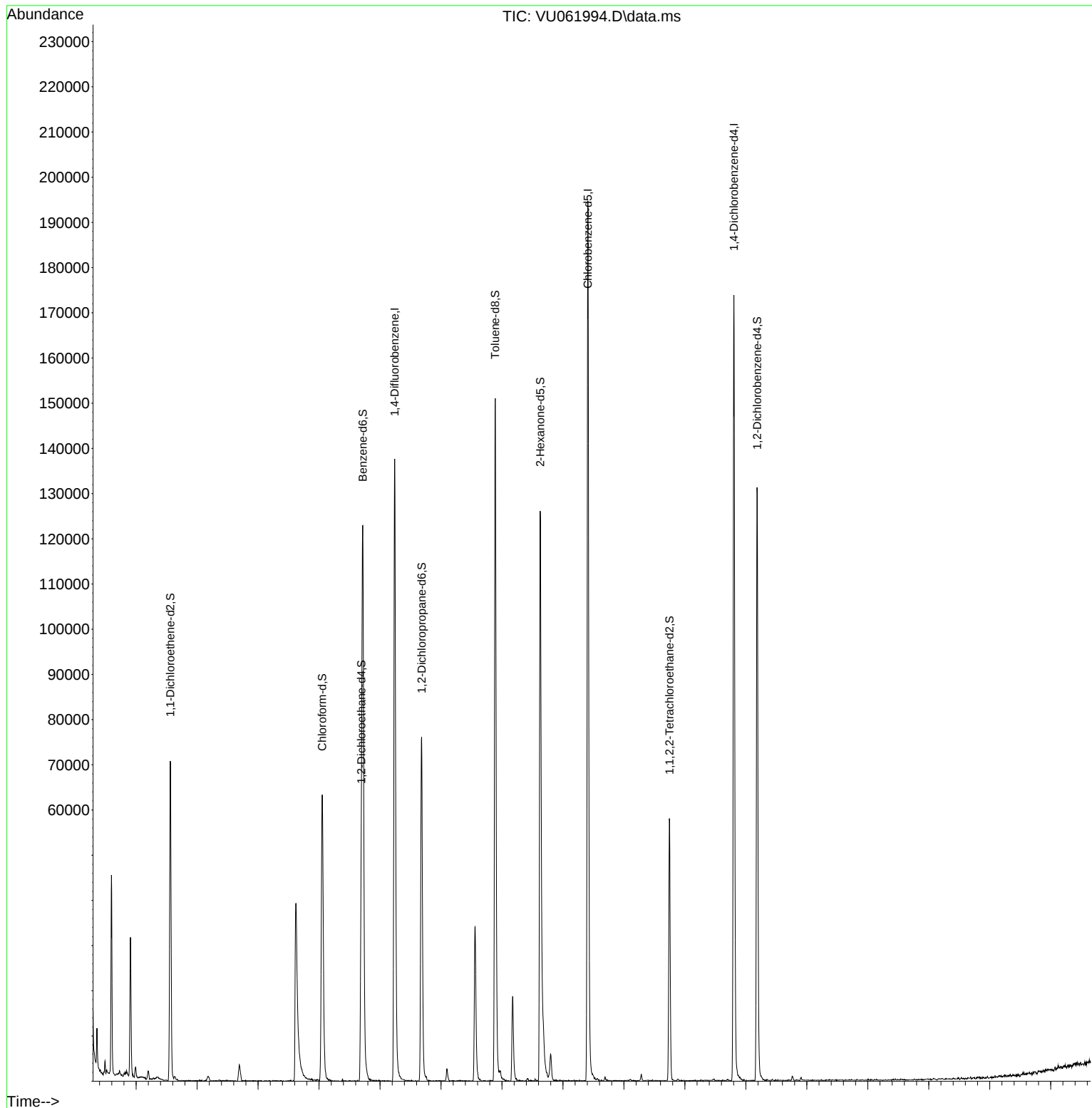
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.238  | 114   | 120075   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 111748   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 49001    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 28521    | 4.842    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 96.800%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 23063    | 4.426    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 88.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 13502    | 5.738    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 114.800% |
| 20) 2-Butanone-d5             | 4.621  | 46    | 65197    | 35.250   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 70.500%  |
| 24) Chloroform-d              | 5.052  | 84    | 62550    | 4.353    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 32729    | 4.426    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.600%  |
| 32) Benzene-d6                | 5.718  | 84    | 122481   | 5.625    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 112.600% |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 38850    | 5.251    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 105.000% |
| 41) Toluene-d8                | 7.888  | 98    | 107591   | 5.925    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 118.400% |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 13052    | 4.766    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 95.400%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 43557    | 34.843   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 69.680%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 28523    | 3.858    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 77.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 37268    | 5.144    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 102.800% |
|                               |        |       |          |          |        |          |
| Target Compounds              | Qvalue |       |          |          |        |          |
| 38) Bromodichloromethane      | 7.097  | 83    | 2071     | 0.195    | ug/L # | 89       |
| 49) Dibromochloromethane      | 8.801  | 129   | 2501     | 0.367    | ug/L   | 91       |
| 59) Bromoform                 | 10.280 | 173   | 778      | 0.214    | ug/L # | 78       |
| -----                         |        |       |          |          |        |          |

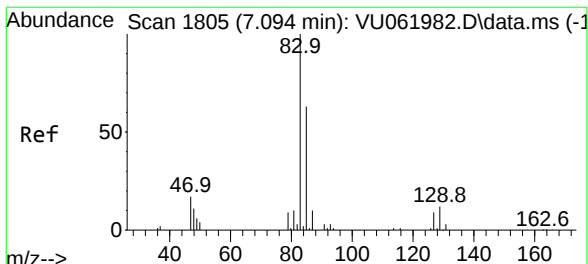
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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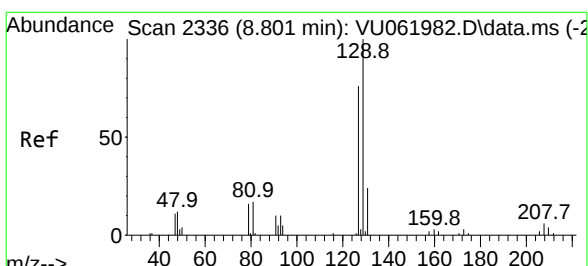
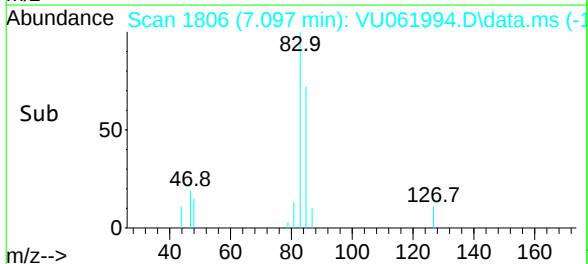
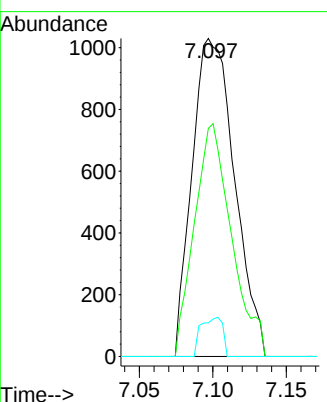
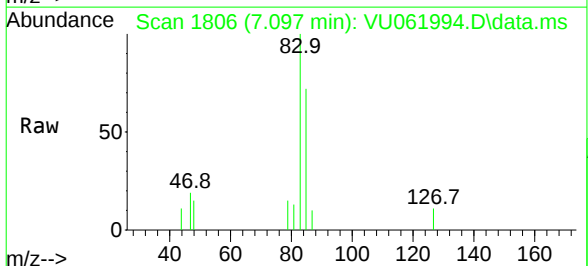




#38  
 Bromodichloromethane  
 Concen: 0.195 ug/L  
 RT: 7.097 min Scan# 1806  
 Delta R.T. 0.003 min  
 Lab File: VU061994.D  
 Acq: 23 Nov 2024 01:02

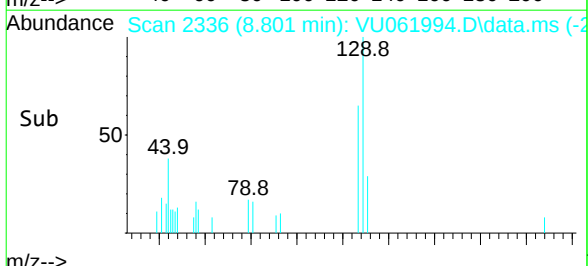
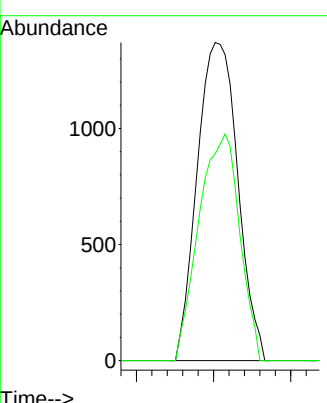
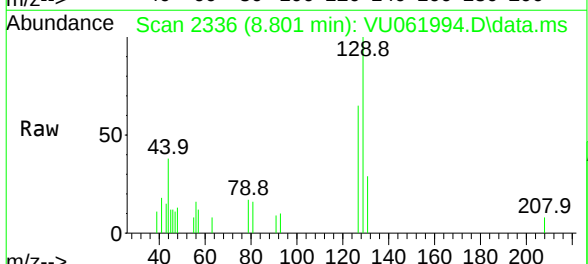
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E1PH8

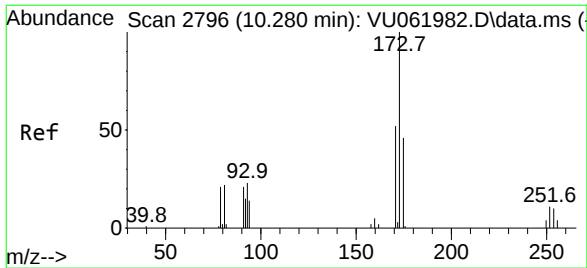
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 2071  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 71.7  | 44.1  | 81.9  |
| 127      | 10.6  | 6.9   | 10.3  |



#49  
 Dibromochloromethane  
 Concen: 0.367 ug/L  
 RT: 8.801 min Scan# 2336  
 Delta R.T. 0.000 min  
 Lab File: VU061994.D  
 Acq: 23 Nov 2024 01:02

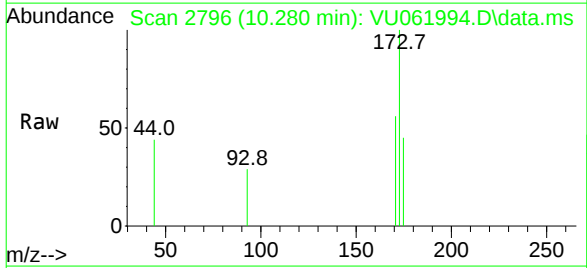
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 2501  |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 65.0  | 51.1  | 94.9  |





#59  
 Bromoform  
 Concen: 0.214 ug/L  
 RT: 10.280 min Scan# 27  
 Delta R.T. 0.000 min  
 Lab File: VU061994.D  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 778   |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 34.4  | 39.0  | 58.4# |
| 254      | 0.0   | 7.4   | 11.0# |

