

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120922\  
 Data File : VU052324.D  
 Acq On : 10 Dec 2022 00:28  
 Operator : JC/MD  
 Sample : N5979-08  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0ER4

Quant Time: Dec 10 03:24:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 08 04:19:43 2022  
 Response via : Initial Calibration

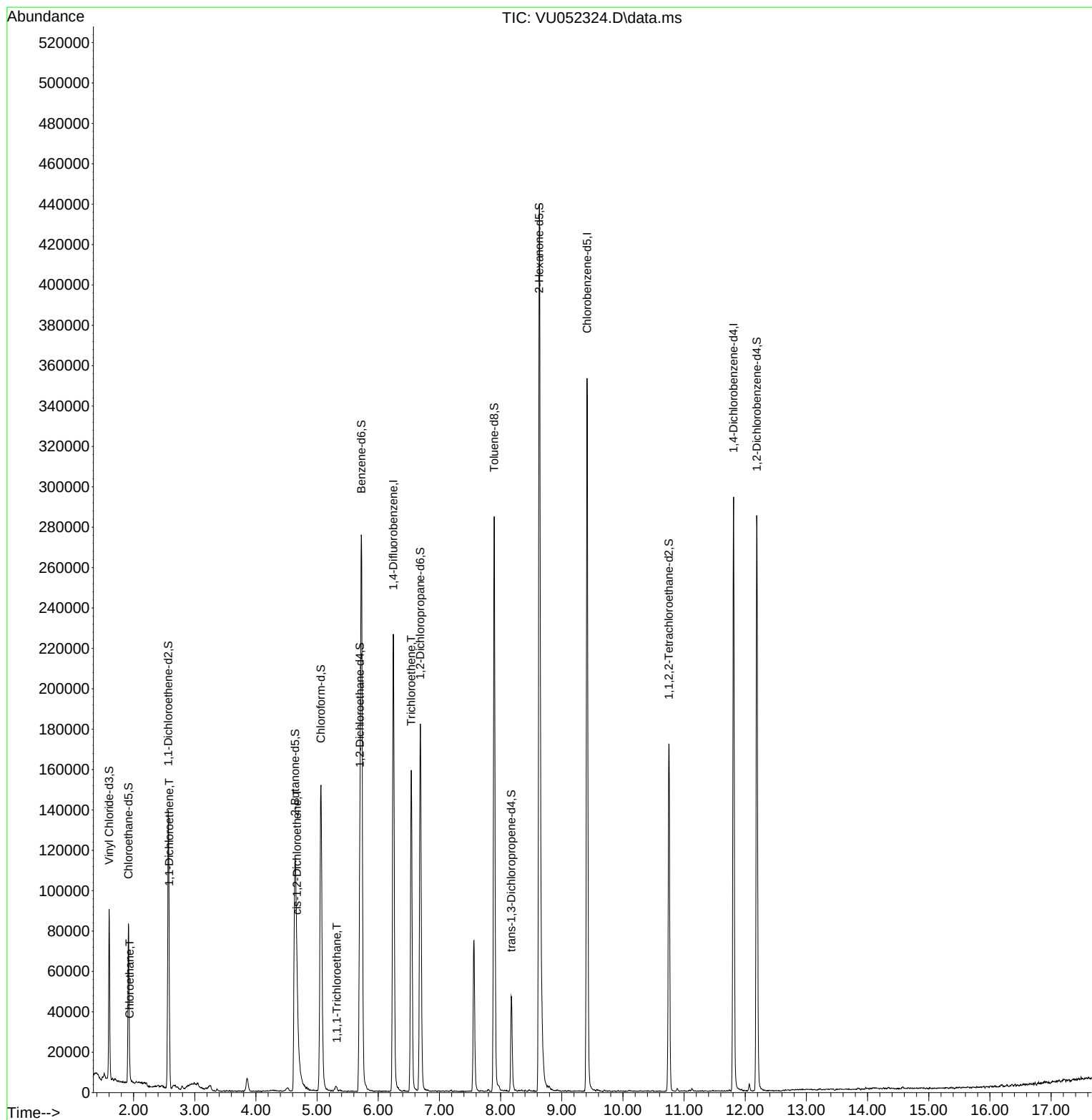
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 192406   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 200484   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 83610    | 5.000    | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 59564    | 3.183    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 63.600%   |
| 7) Chloroethane-d5            | 1.916  | 69    | 61050    | 4.200    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 84.000%   |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65    | 25215    | 3.759    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 75.200%   |
| 20) 2-Butanone-d5             | 4.639  | 46    | 234394   | 69.094   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 138.180%# |
| 24) Chloroform-d              | 5.060  | 84    | 139903   | 5.088    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 74660    | 5.375    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 107.600%  |
| 32) Benzene-d6                | 5.726  | 84    | 268761   | 4.515    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.400%   |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 95787    | 5.200    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 104.000%  |
| 41) Toluene-d8                | 7.896  | 98    | 201370   | 3.739    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 74.800%   |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 28770    | 4.286    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 85.800%   |
| 46) 2-Hexanone-d5             | 8.632  | 63    | 152392   | 53.572   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 107.140%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 89677    | 5.615    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 112.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.188 | 152   | 79899    | 4.991    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 99.800%   |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        |           |
| 8) Chloroethane               | 1.938  | 64    | 1091     | 0.084    | ug/L   | 89        |
| 12) 1,1-Dichloroethene        | 2.581  | 96    | 2939     | 0.211    | ug/L # | 1         |
| 22) cis-1,2-Dichloroethene    | 4.671  | 96    | 3668     | 0.234    | ug/L   | 93        |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97    | 1929     | 0.087    | ug/L # | 87        |
| 34) Trichloroethene           | 6.539  | 95    | 55913    | 3.436    | ug/L   | 94        |
| -----                         |        |       |          |          |        |           |

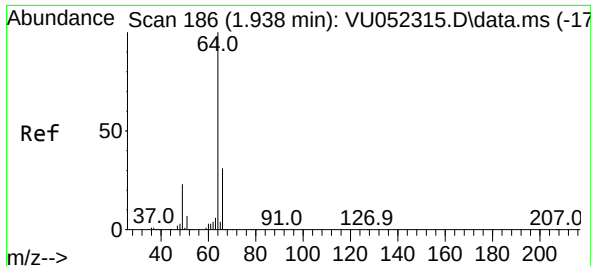
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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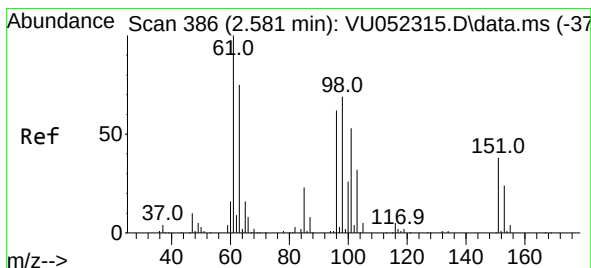
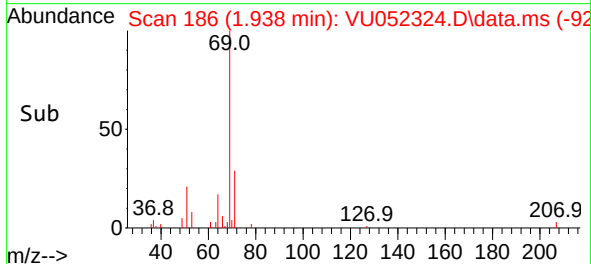
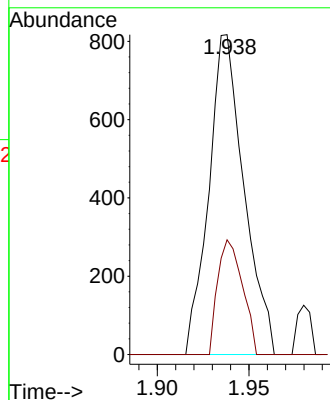
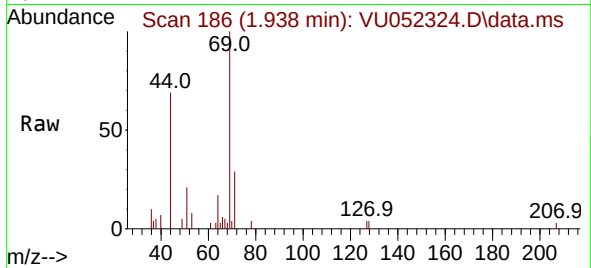




#8  
Chloroethane  
Concen: 0.084 ug/L  
RT: 1.938 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU052324.D  
Acq: 10 Dec 2022 00:28

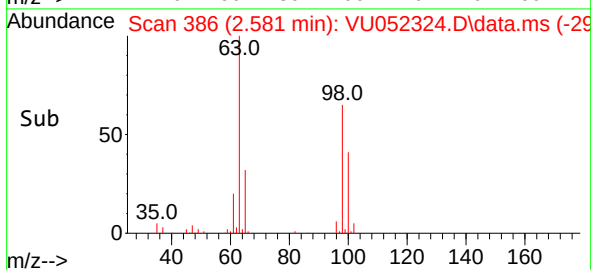
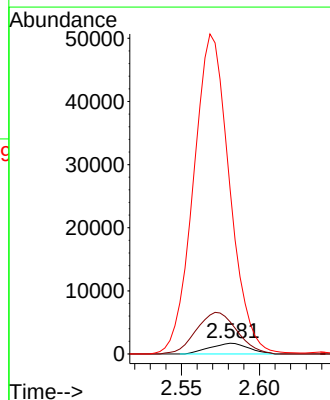
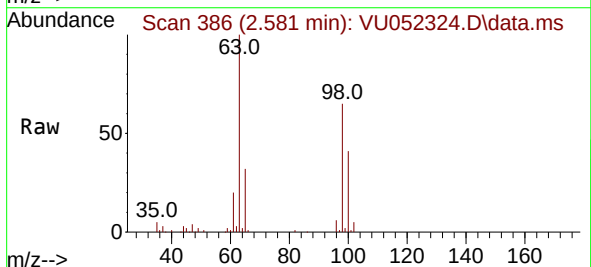
Instrument :  
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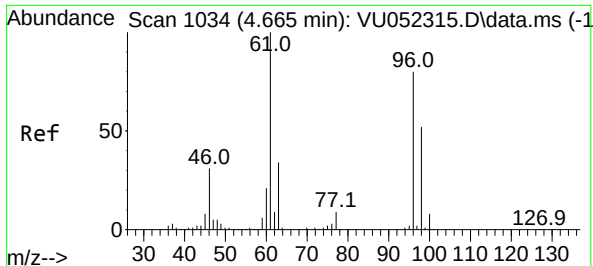
Tgt Ion: 64 Resp: 1091  
Ion Ratio Lower Upper  
64 100  
66 35.9 21.1 39.1



#12  
1,1-Dichloroethene  
Concen: 0.211 ug/L  
RT: 2.581 min Scan# 386  
Delta R.T. -0.000 min  
Lab File: VU052324.D  
Acq: 10 Dec 2022 00:28

Tgt Ion: 96 Resp: 2939  
Ion Ratio Lower Upper  
96 100  
61 302.1 114.8 213.2#  
63 1543.6 93.7 174.1#

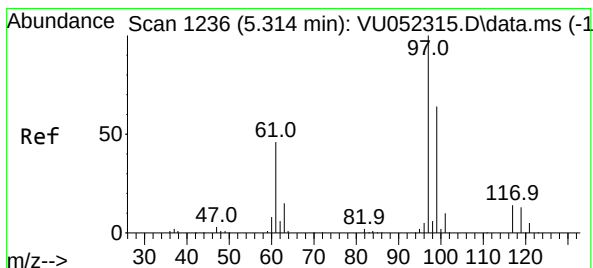
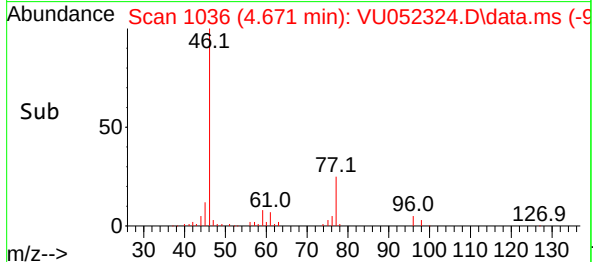
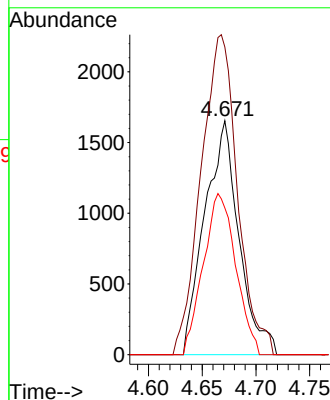
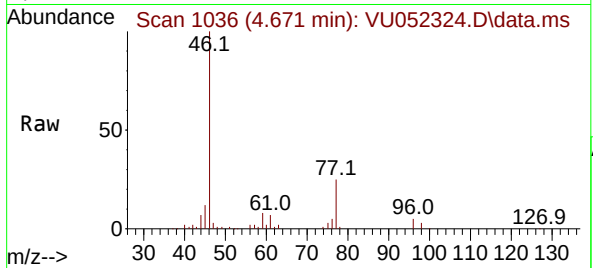




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.234 ug/L  
 RT: 4.671 min Scan# 1036  
 Delta R.T. 0.006 min  
 Lab File: VU052324.D  
 Acq: 10 Dec 2022 00:28

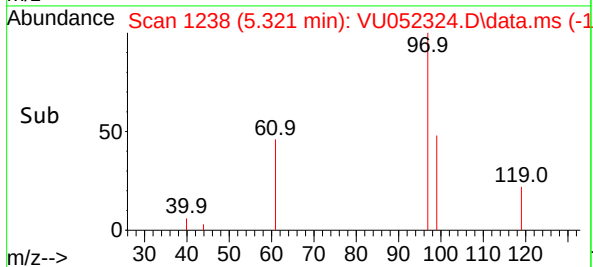
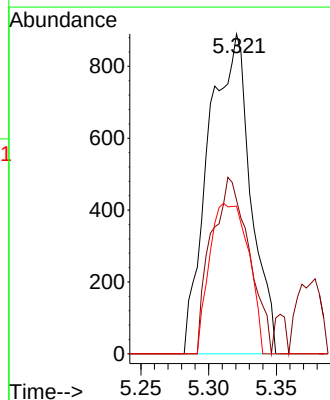
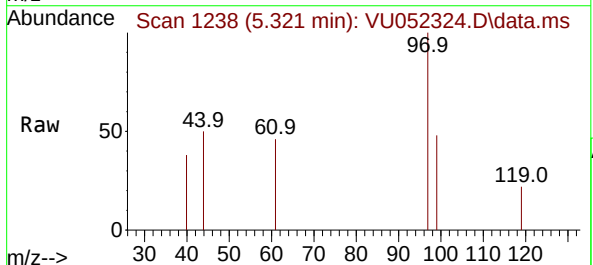
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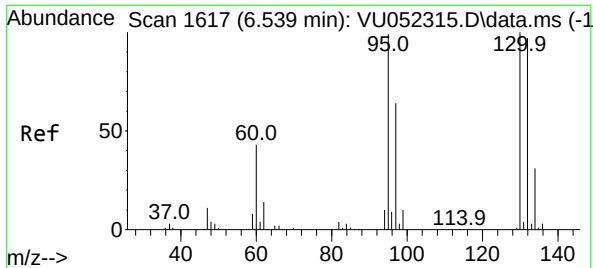
Tgt Ion: 96 Resp: 3668  
 Ion Ratio Lower Upper  
 96 100  
 61 131.6 85.1 158.1  
 98 62.8 42.8 79.6



#29  
 1,1,1-Trichloroethane  
 Concen: 0.087 ug/L  
 RT: 5.321 min Scan# 1238  
 Delta R.T. 0.006 min  
 Lab File: VU052324.D  
 Acq: 10 Dec 2022 00:28

Tgt Ion: 97 Resp: 1929  
 Ion Ratio Lower Upper  
 97 100  
 99 49.4 51.0 76.6#  
 61 43.1 36.9 55.3





#34  
 Trichloroethene  
 Concen: 3.436 ug/L  
 RT: 6.539 min Scan# 1  
 Delta R.T. -0.003 min  
 Lab File: VU052324.D  
 Acq: 10 Dec 2022 00:28

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0ER4

Tgt Ion: 95 Resp: 55913

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.5  | 43.7  | 81.1  |
| 132 | 99.0  | 64.3  | 119.3 |
| 130 | 100.8 | 67.3  | 124.9 |

