

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW110122\  
 Data File : VW028824.D  
 Acq On : 01 Nov 2022 18:52  
 Operator : SY/MD  
 Sample : N5301-11  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBWX6

Quant Time: Nov 02 05:15:06 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM103122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 02 05:10:28 2022  
 Response via : Initial Calibration

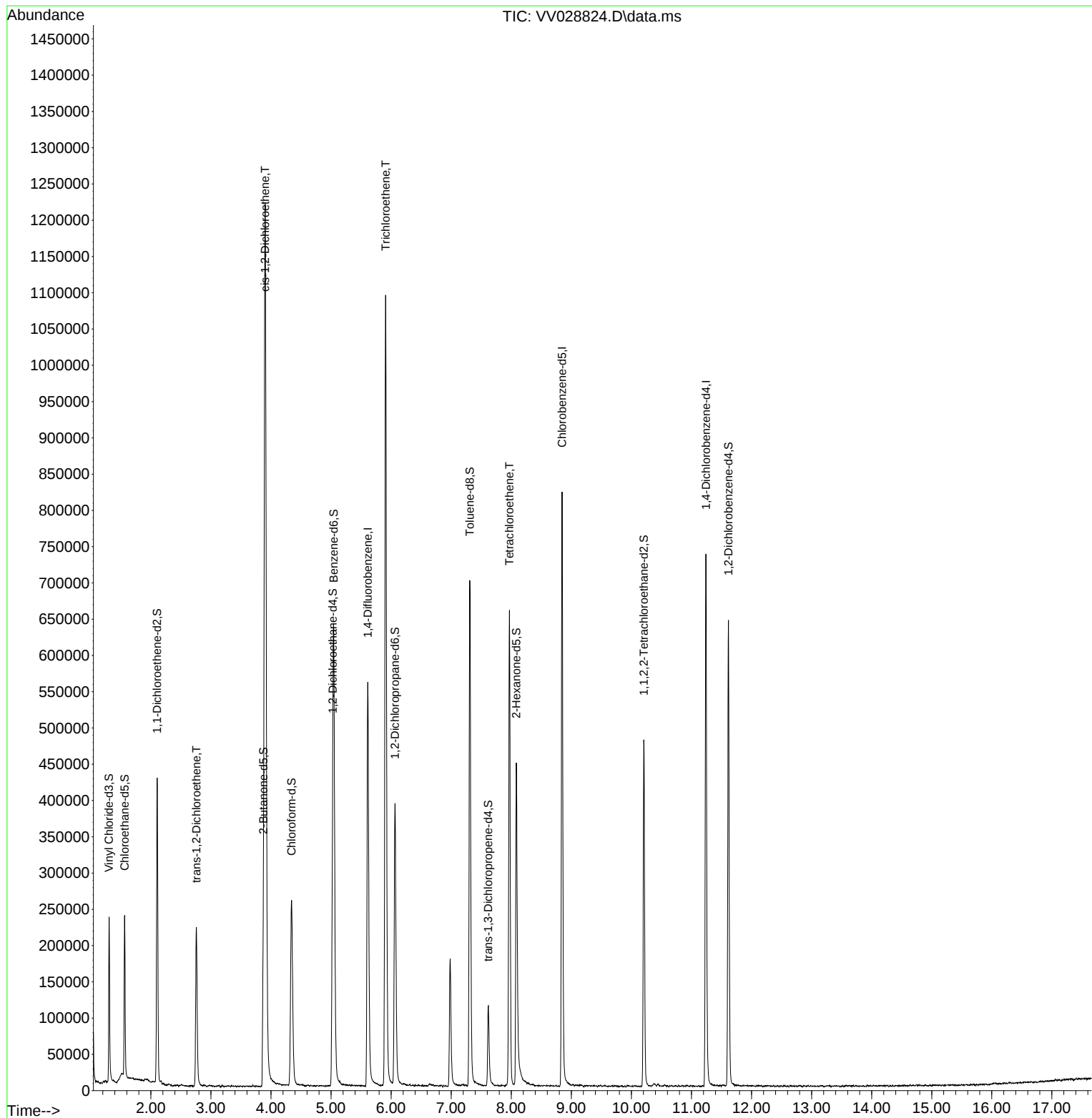
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.613          | 114  | 442270     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.847          | 117  | 403362     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.243         | 152  | 171244     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304          | 65   | 161895     | 38.614   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 77.220%  |        |          |
| 7) Chloroethane-d5            | 1.564          | 69   | 144115     | 40.210   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 80.420%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.105          | 63   | 234791     | 29.440   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 58.880%# |        |          |
| 21) 2-Butanone-d5             | 3.873          | 46   | 245571     | 80.463   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 80.460%  |        |          |
| 24) Chloroform-d              | 4.342          | 84   | 254871     | 40.306   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 80.620%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.027          | 65   | 181559     | 43.414   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 86.820%  |        |          |
| 32) Benzene-d6                | 5.043          | 84   | 523937     | 41.609   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 83.220%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.066          | 67   | 188453     | 43.593   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 87.180%  |        |          |
| 41) Toluene-d8                | 7.310          | 98   | 440210     | 39.767   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 79.540%# |        |          |
| 43) trans-1,3-Dichloroprop... | 7.616          | 79   | 62401      | 37.583   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 75.160%  |        |          |
| 47) 2-Hexanone-d5             | 8.085          | 63   | 153382     | 78.512   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 78.510%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207         | 84   | 232204     | 40.734   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 81.460%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.615         | 152  | 145720     | 43.110   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 86.220%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        |          |
| 17) trans-1,2-Dichloroethene  | 2.757          | 96   | 74642      | 23.393   | ug/L   | 95       |
| 20) cis-1,2-Dichloroethene    | 3.902          | 96   | 602882     | 171.248  | ug/L # | 97       |
| 34) Trichloroethene           | 5.908          | 95   | 376783     | 113.460  | ug/L   | 96       |
| 46) Tetrachloroethene         | 7.969          | 164  | 128966     | 56.033   | ug/L   | 99       |
| -----                         |                |      |            |          |        |          |

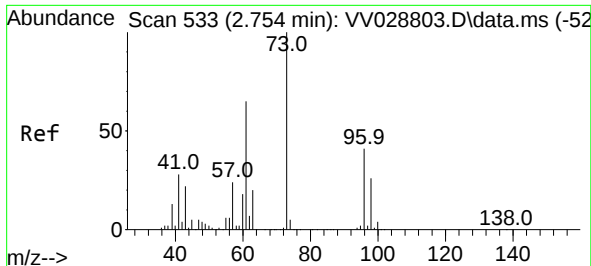
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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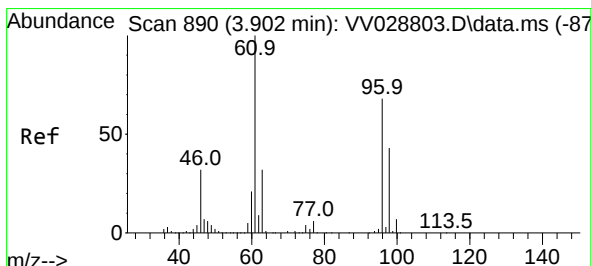
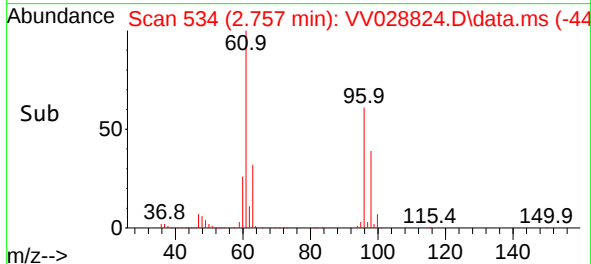
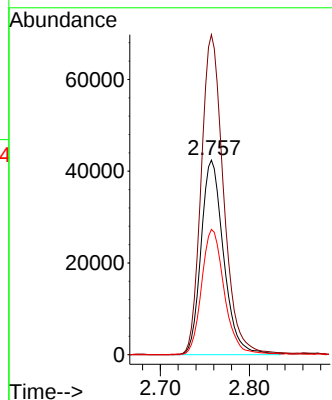
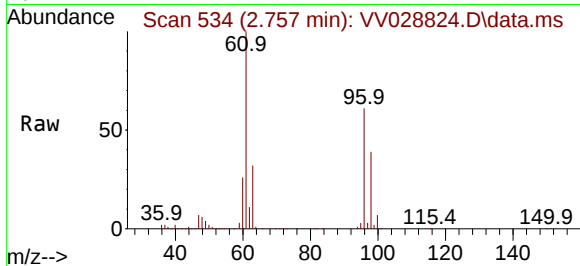




#17  
trans-1,2-Dichloroethene  
Concen: 23.393 ug/L  
RT: 2.757 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VV028824.D  
Acq: 01 Nov 2022 18:52

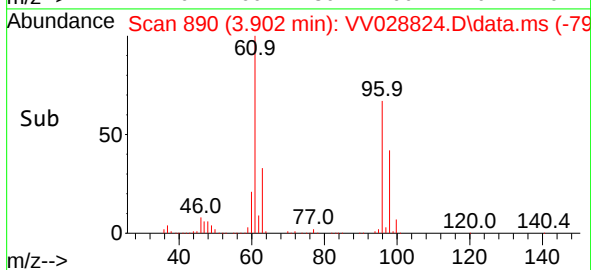
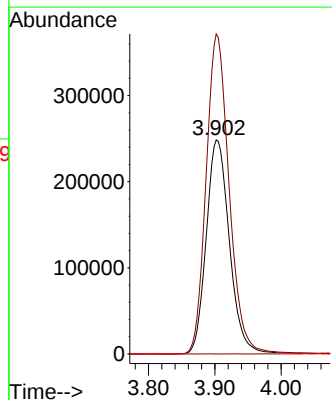
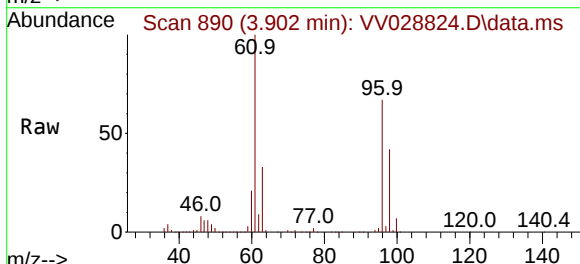
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBWX6

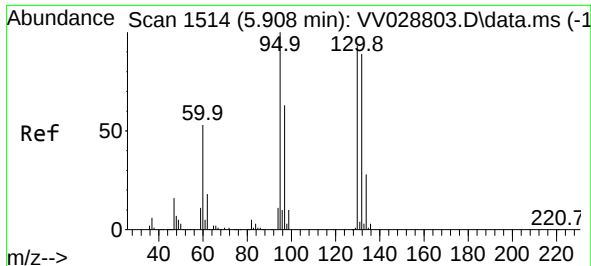
Tgt Ion: 96 Resp: 74642  
Ion Ratio Lower Upper  
96 100  
61 164.4 109.4 203.2  
98 64.4 43.3 80.5



#20  
cis-1,2-Dichloroethene  
Concen: 171.248 ug/L  
RT: 3.902 min Scan# 890  
Delta R.T. -0.000 min  
Lab File: VV028824.D  
Acq: 01 Nov 2022 18:52

Tgt Ion: 96 Resp: 602882  
Ion Ratio Lower Upper  
96 100  
61 149.4 102.3 190.1  
68 0.0 0.1 0.3#



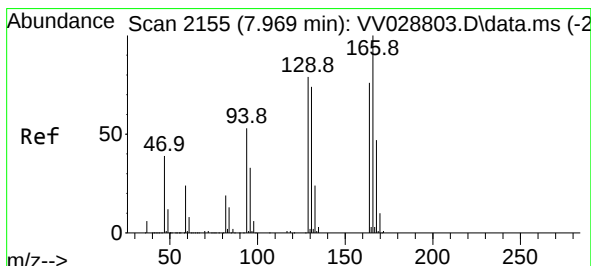
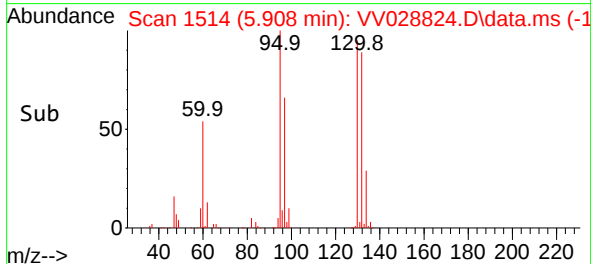
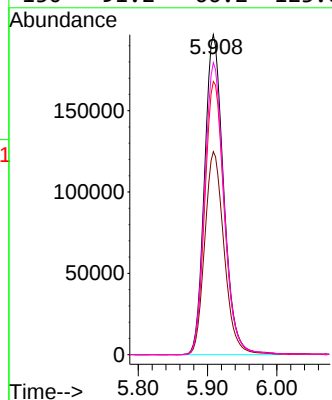
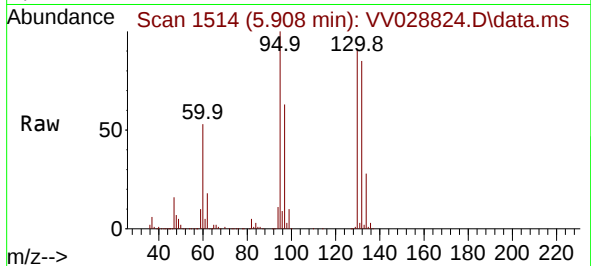


#34  
Trichloroethene  
Concen: 113.460 ug/L  
RT: 5.908 min Scan# 1514  
Delta R.T. -0.000 min  
Lab File: VV028824.D  
Acq: 01 Nov 2022 18:52

Instrument :  
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Tgt Ion: 95 Resp: 376783

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.5  | 46.2  | 85.8  |
| 132 | 85.4  | 63.2  | 117.4 |
| 130 | 91.2  | 66.2  | 123.0 |



#46  
Tetrachloroethene  
Concen: 56.033 ug/L  
RT: 7.969 min Scan# 2155  
Delta R.T. -0.000 min  
Lab File: VV028824.D  
Acq: 01 Nov 2022 18:52

Tgt Ion: 164 Resp: 128966

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 100.9 | 69.5  | 129.1 |
| 131 | 96.0  | 66.4  | 123.2 |
| 166 | 126.9 | 88.5  | 164.3 |

