

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100121\  
 Data File : VV022489.D  
 Acq On : 02 Oct 2021 02:04  
 Operator : SY/MD  
 Sample : M4024-09  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AL4

Quant Time: Oct 02 03:34:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM100121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 02 01:27:14 2021  
 Response via : Initial Calibration

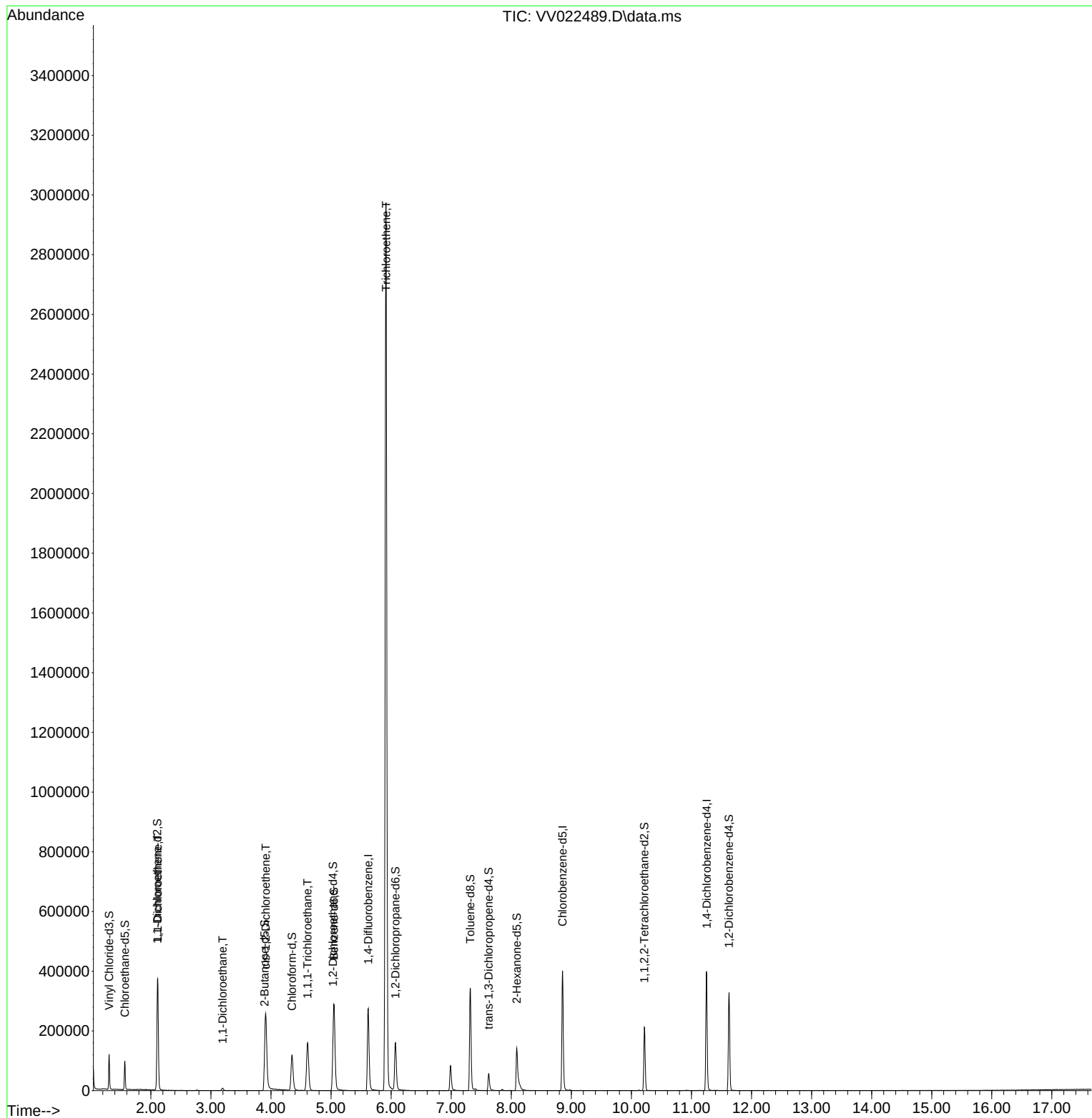
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619   | 114   | 245110   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854   | 117   | 228322   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252  | 152   | 108169   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 71857    | 47.402   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 94.800%  |
| 7) Chloroethane-d5            | 1.568   | 69    | 56975    | 47.814   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 95.620%  |
| 11) 1,1-Dichloroethene-d2     | 2.108   | 63    | 140525   | 47.014   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 94.020%  |
| 21) 2-Butanone-d5             | 3.892   | 46    | 67951    | 81.434   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 81.430%  |
| 24) Chloroform-d              | 4.349   | 84    | 123965   | 44.759   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.520%  |
| 26) 1,2-Dichloroethane-d4     | 5.034   | 65    | 73246    | 45.590   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.180%  |
| 32) Benzene-d6                | 5.050   | 84    | 254397   | 48.095   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.180%  |
| 36) 1,2-Dichloropropane-d6    | 6.072   | 67    | 79031    | 48.534   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 97.060%  |
| 41) Toluene-d8                | 7.317   | 98    | 226071   | 46.594   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.180%  |
| 43) trans-1,3-Dichloroprop... | 7.625   | 79    | 33224    | 43.124   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 86.240%  |
| 47) 2-Hexanone-d5             | 8.092   | 63    | 60787    | 90.114   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 90.110%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217  | 84    | 101922   | 45.013   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 90.020%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625  | 152   | 89760    | 50.885   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 101.780% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene        | 2.118   | 96    | 74554    | 43.543   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.195   | 63    | 8035     | 2.416    | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.912   | 96    | 139991   | 69.914   | ug/L   | 100      |
| 30) 1,1,1-Trichloroethane     | 4.609   | 97    | 131970   | 46.270   | ug/L   | 100      |
| 34) Trichloroethene           | 5.915   | 95    | 1009126  | 548.227  | ug/L   | 99       |
| -----                         |         |       |          |          |        |          |

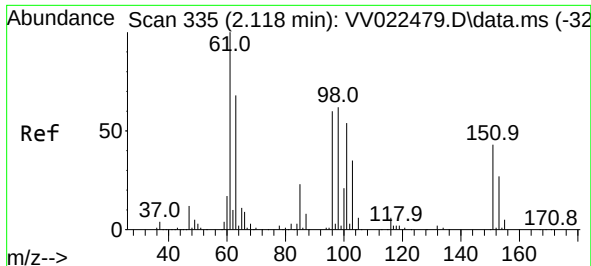
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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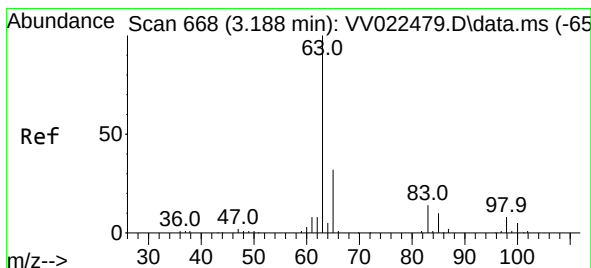
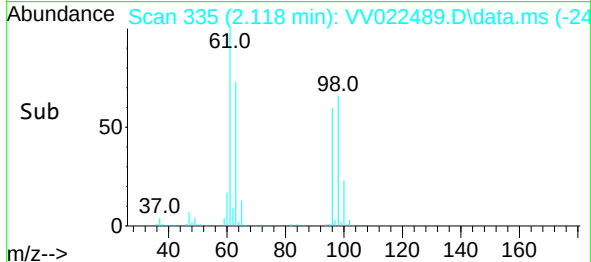
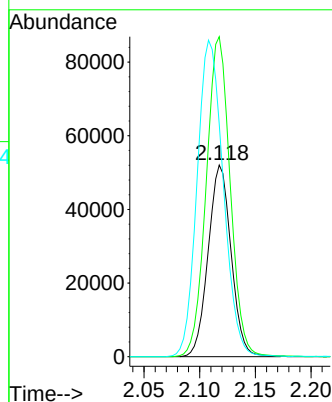
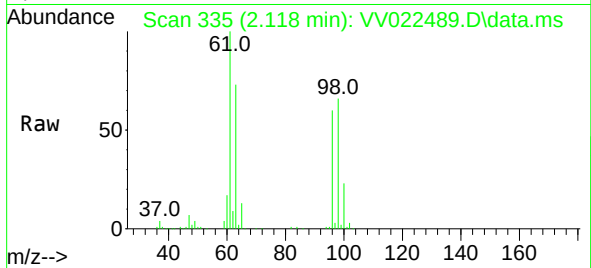




#12  
 1,1-Dichloroethene  
 Concen: 43.543 ug/L  
 RT: 2.118 min Scan# 335  
 Delta R.T. 0.000 min  
 Lab File: VV022489.D  
 Acq: 02 Oct 2021 02:04

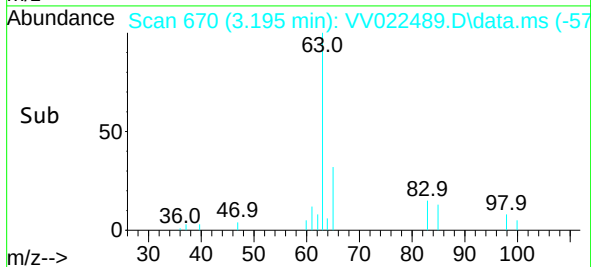
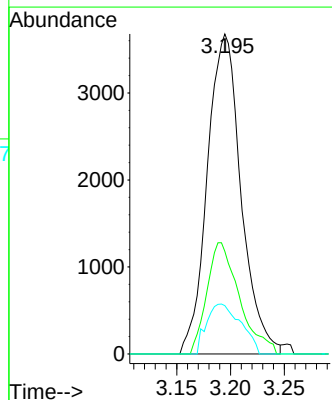
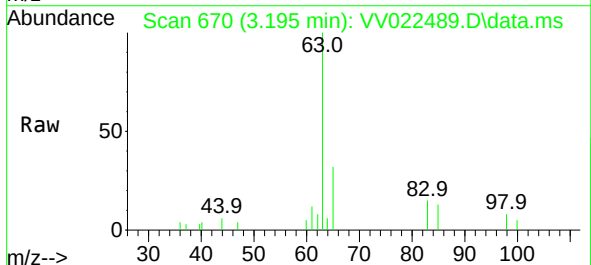
Instrument :  
 MSVOA\_V  
 ClientSampled :  
 C0AL4

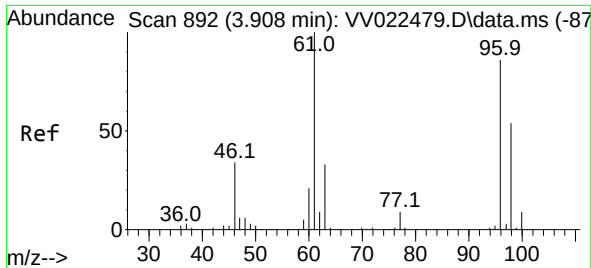
Tgt Ion: 96 Resp: 74554  
 Ion Ratio Lower Upper  
 96 100  
 61 166.9 118.0 219.2  
 63 121.3 86.4 160.4



#19  
 1,1-Dichloroethane  
 Concen: 2.416 ug/L  
 RT: 3.195 min Scan# 670  
 Delta R.T. 0.006 min  
 Lab File: VV022489.D  
 Acq: 02 Oct 2021 02:04

Tgt Ion: 63 Resp: 8035  
 Ion Ratio Lower Upper  
 63 100  
 65 32.1 22.9 42.5  
 83 15.1 9.4 17.4

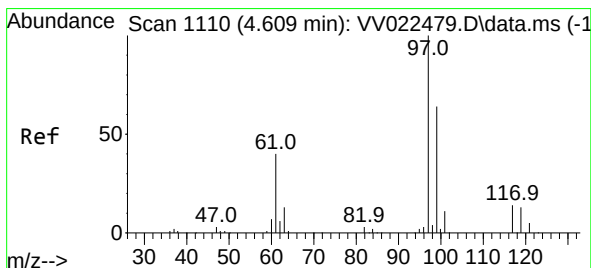
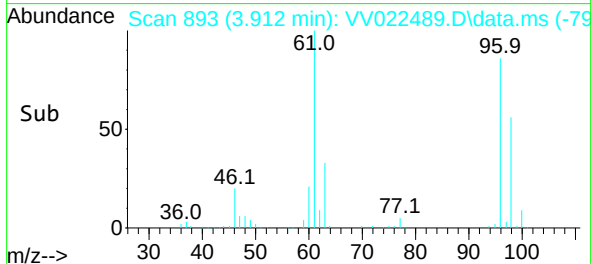
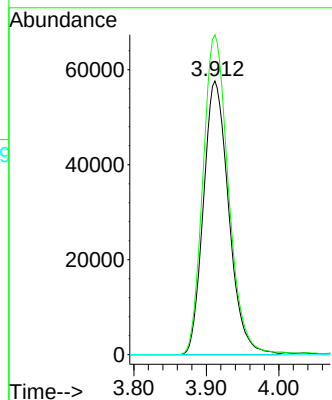
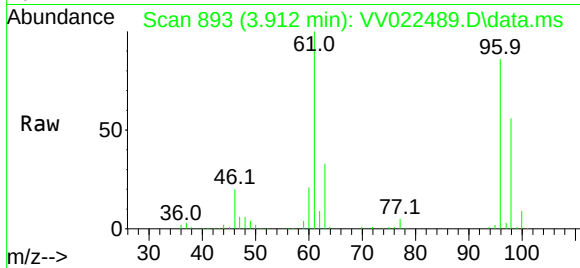




#20  
 cis-1,2-Dichloroethene  
 Concen: 69.914 ug/L  
 RT: 3.912 min Scan# 893  
 Delta R.T. 0.003 min  
 Lab File: VV022489.D  
 Acq: 02 Oct 2021 02:04

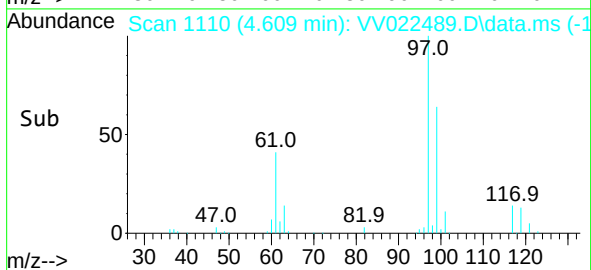
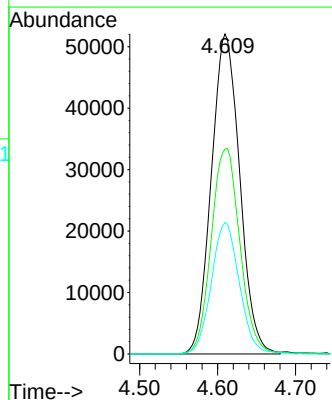
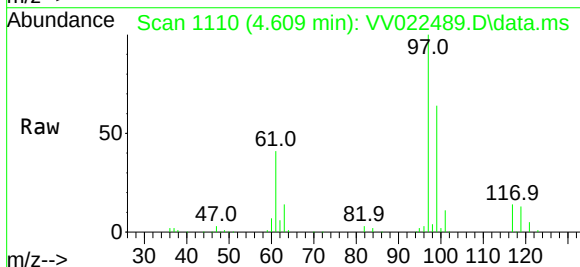
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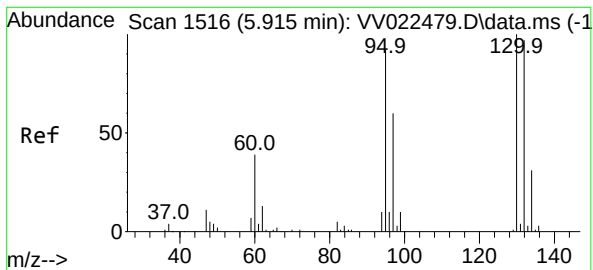
Tgt Ion: 96 Resp: 139991  
 Ion Ratio Lower Upper  
 96 100  
 61 116.9 81.9 152.1  
 68 0.0 0.0 0.0



#30  
 1,1,1-Trichloroethane  
 Concen: 46.270 ug/L  
 RT: 4.609 min Scan# 1110  
 Delta R.T. 0.000 min  
 Lab File: VV022489.D  
 Acq: 02 Oct 2021 02:04

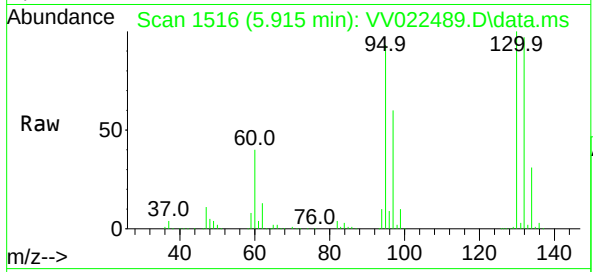
Tgt Ion: 97 Resp: 131970  
 Ion Ratio Lower Upper  
 97 100  
 99 64.7 51.7 77.5  
 61 40.6 32.9 49.3





#34  
 Trichloroethene  
 Concen: 548.227 ug/L  
 RT: 5.915 min Scan# 1516  
 Delta R.T. 0.000 min  
 Lab File: VV022489.D  
 Acq: 02 Oct 2021 02:04

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AL4



Tgt Ion: 95 Resp: 1009126

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.8  | 45.4  | 84.4  |
| 132 | 103.5 | 71.5  | 132.9 |
| 130 | 107.1 | 75.2  | 139.6 |

