

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV083122\  
 Data File : VV027668.D  
 Acq On : 01 Sep 2022 14:16  
 Operator : SY/MD  
 Sample : N4369-09  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 60 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F5F38

Quant Time: Sep 01 23:17:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR083122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Sep 01 07:36:37 2022  
 Response via : Initial Calibration

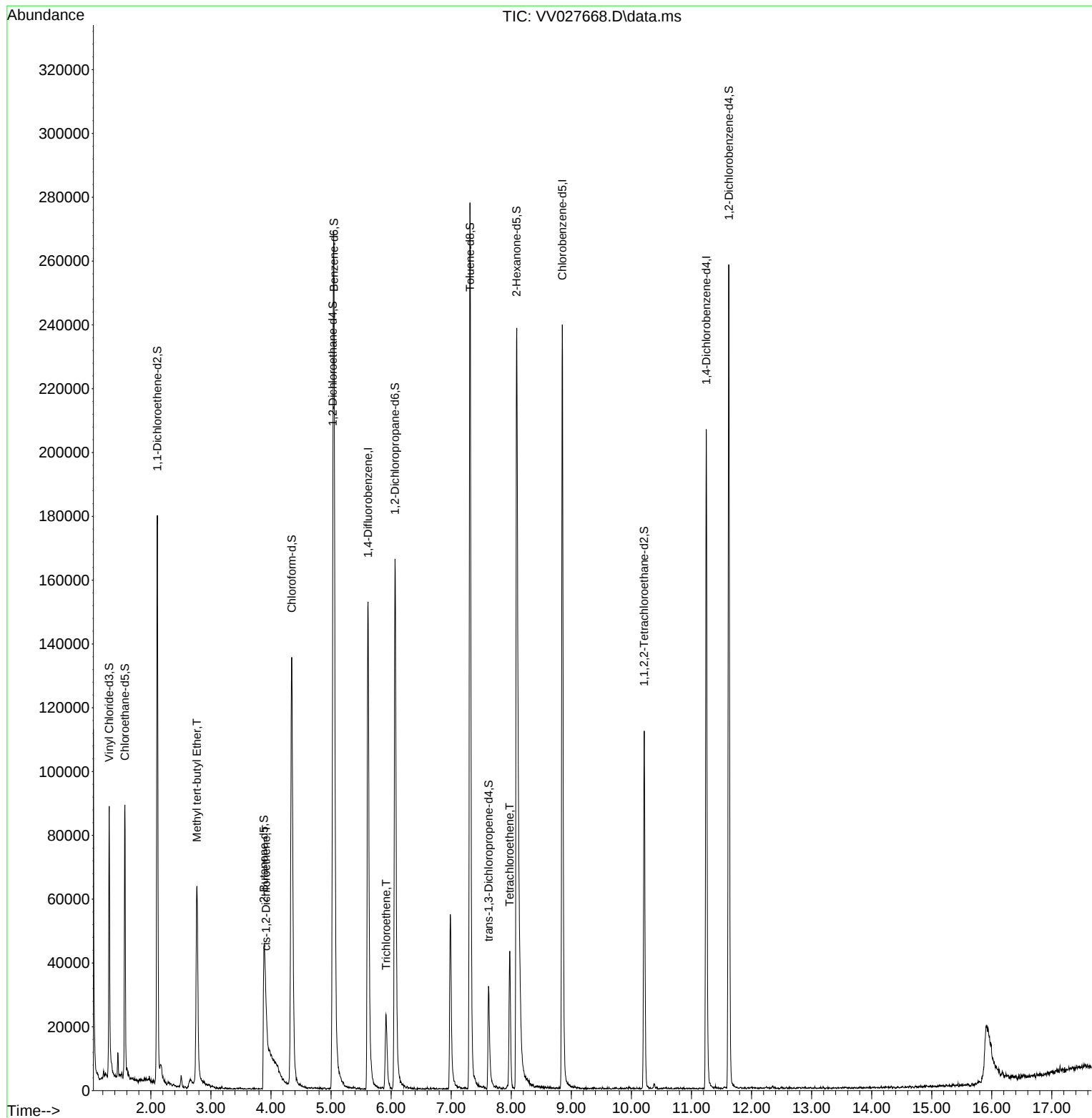
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 135399   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 132145   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 54019    | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 61883    | 4.207    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 84.200%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 55068    | 4.475    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 89.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 98782    | 3.431    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 68.600%  |
| 20) 2-Butanone-d5             | 3.883  | 46    | 83419    | 33.543   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 67.080%  |
| 24) Chloroform-d              | 4.346  | 84    | 142260   | 4.818    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 96.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.031  | 65    | 67606    | 5.111    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 102.200% |
| 32) Benzene-d6                | 5.047  | 84    | 248035   | 4.582    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 91.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 80613    | 4.815    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 96.200%  |
| 41) Toluene-d8                | 7.314  | 98    | 187339   | 3.997    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 80.000%  |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 21274    | 4.125    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 82.400%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 96585    | 49.795   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 99.600%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 52961    | 4.916    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 98.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 63986    | 5.291    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 105.800% |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       |          |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 61144    | 2.532    | ug/L  | 98       |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96    | 2302     | 0.180    | ug/L  | 75       |
| 34) Trichloroethene           | 5.915  | 95    | 8156     | 0.644    | ug/L  | 90       |
| 47) Tetrachloroethene         | 7.976  | 164   | 9705     | 0.945    | ug/L  | 95       |
| -----                         |        |       |          |          |       |          |

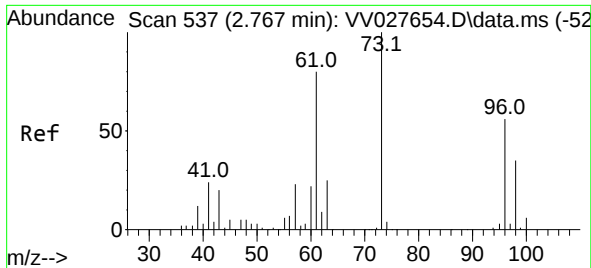
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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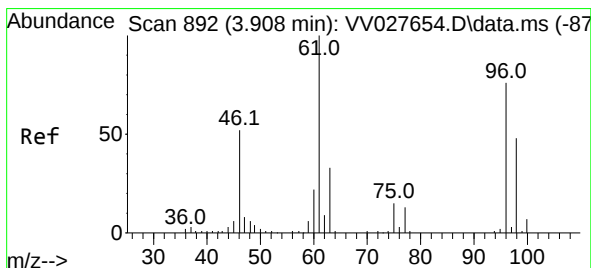
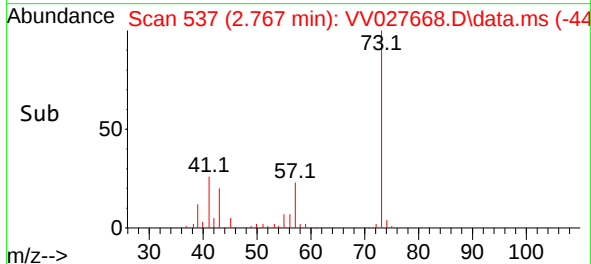
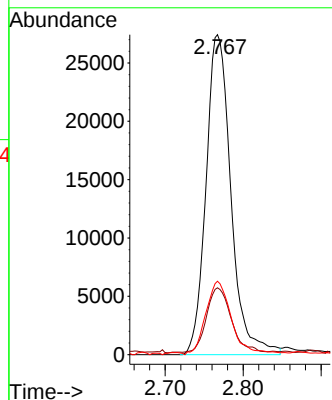
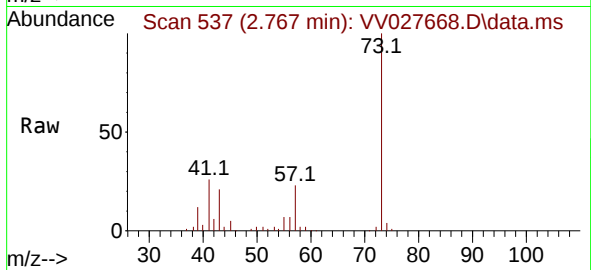




#17  
Methyl tert-butyl Ether  
Concen: 2.532 ug/L  
RT: 2.767 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VV027668.D  
Acq: 01 Sep 2022 14:16

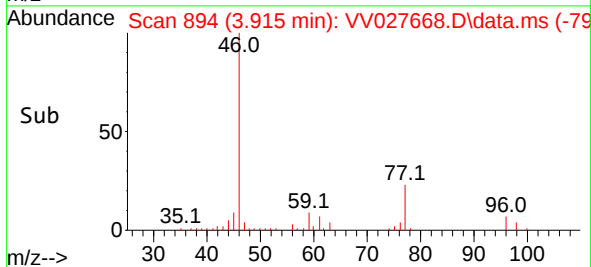
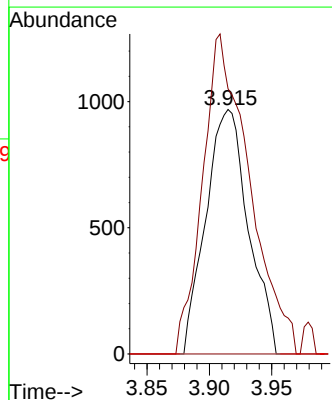
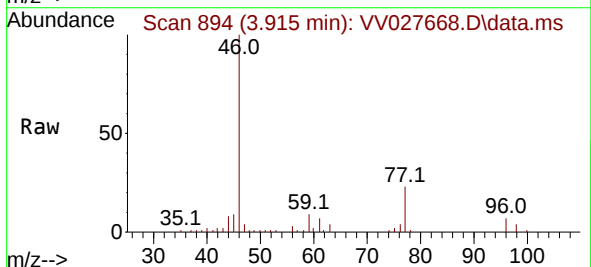
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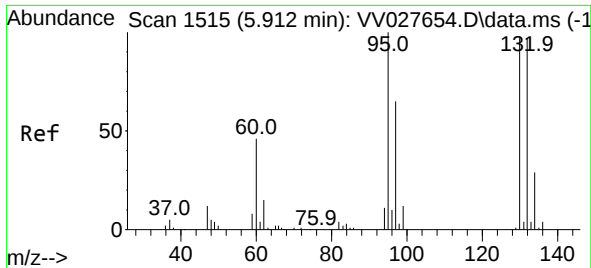
Tgt Ion: 73 Resp: 61144  
Ion Ratio Lower Upper  
73 100  
43 19.7 16.5 24.7  
57 23.8 18.2 27.2



#22  
cis-1,2-Dichloroethene  
Concen: 0.180 ug/L  
RT: 3.915 min Scan# 894  
Delta R.T. 0.007 min  
Lab File: VV027668.D  
Acq: 01 Sep 2022 14:16

Tgt Ion: 96 Resp: 2302  
Ion Ratio Lower Upper  
96 100  
61 108.5 96.9 180.1  
68 0.0 0.0 0.0



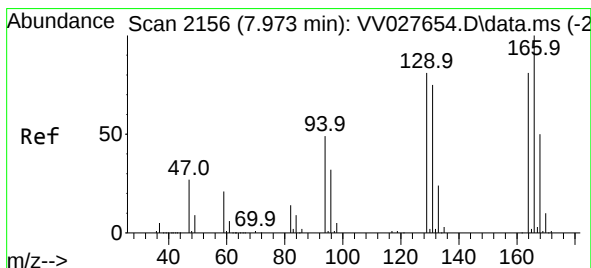
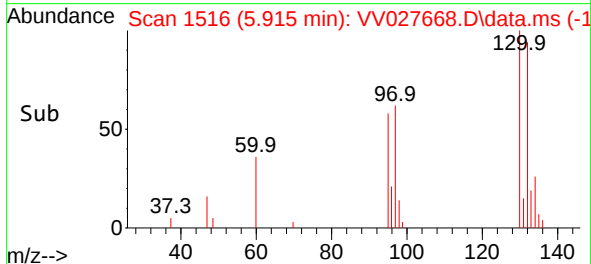
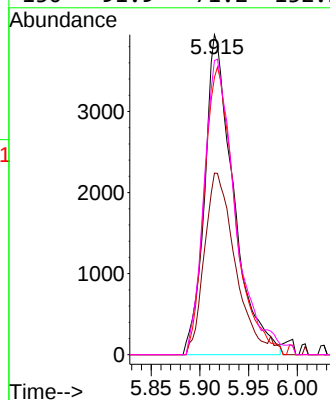
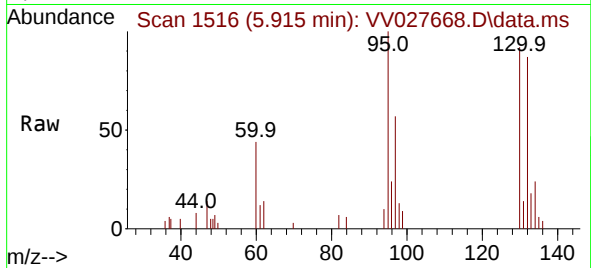


#34  
 Trichloroethene  
 Concen: 0.644 ug/L  
 RT: 5.915 min Scan# 11  
 Delta R.T. 0.003 min  
 Lab File: VV027668.D  
 Acq: 01 Sep 2022 14:16

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Tgt Ion: 95 Resp: 8156

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 56.8  | 46.1  | 85.5  |
| 132 | 86.6  | 67.3  | 125.1 |
| 130 | 91.9  | 71.2  | 132.2 |



#47  
 Tetrachloroethene  
 Concen: 0.945 ug/L  
 RT: 7.976 min Scan# 2157  
 Delta R.T. 0.003 min  
 Lab File: VV027668.D  
 Acq: 01 Sep 2022 14:16

Tgt Ion: 164 Resp: 9705

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 102.3 | 65.9  | 122.3 |
| 131 | 90.9  | 64.5  | 119.7 |
| 166 | 133.9 | 88.8  | 165.0 |

