

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\  
 Data File : VR025493.D  
 Acq On : 17 Jul 2018 15:21  
 Operator : SY/MD  
 Sample : J4002-09 40X  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 C0AG5

Quant Time: Jul 18 02:17:51 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR070518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jul 18 01:02:47 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 752100   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 608703   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 232751   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.14   | 65    | 107215   | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 103.40% |
| 7) Chloroethane-d5             | 2.63   | 69    | 83610    | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.60%  |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 202707   | 3.23     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 64.60%  |
| 20) 2-Butanone-d5              | 6.59   | 46    | 316071   | 49.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 98.16%  |
| 24) Chloroform-d               | 7.20   | 84    | 423391   | 4.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 82.60%  |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 180477   | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.80%  |
| 32) Benzene-d6                 | 7.86   | 84    | 914892   | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.80%  |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 261940   | 4.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 88.60%  |
| 41) Toluene-d8                 | 9.97   | 98    | 824171   | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.20%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 72074    | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 92.00%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 257029   | 50.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 101.60% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 116095   | 4.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 87.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 191799   | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.80%  |

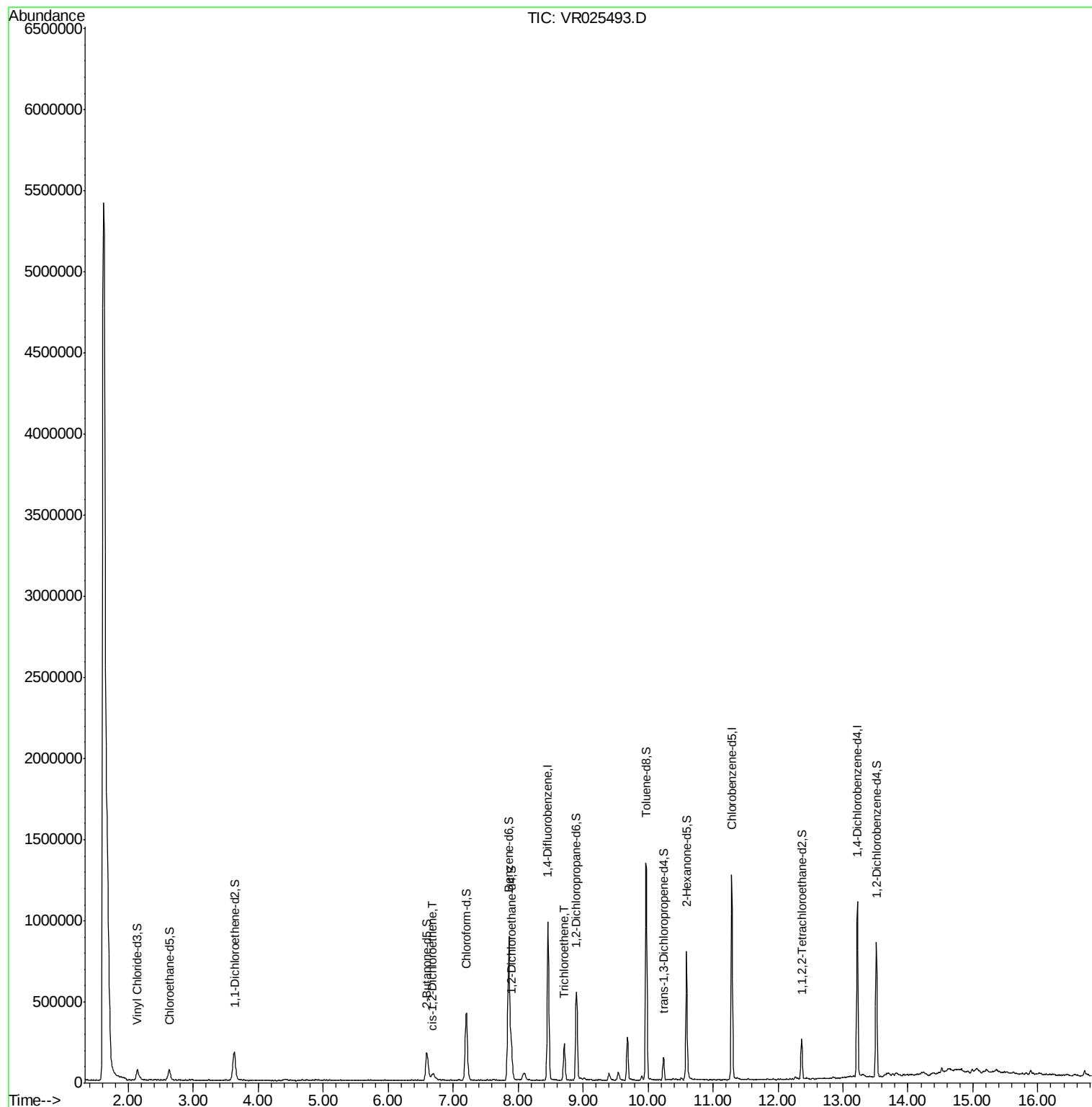
| Target Compounds           |      |    |       |           | Ovalue |
|----------------------------|------|----|-------|-----------|--------|
| 22) cis-1,2-Dichloroethene | 6.67 | 96 | 12035 | 0.23 ug/L | 100    |
| 34) Trichloroethene        | 8.71 | 95 | 81570 | 1.53 ug/L | 96     |

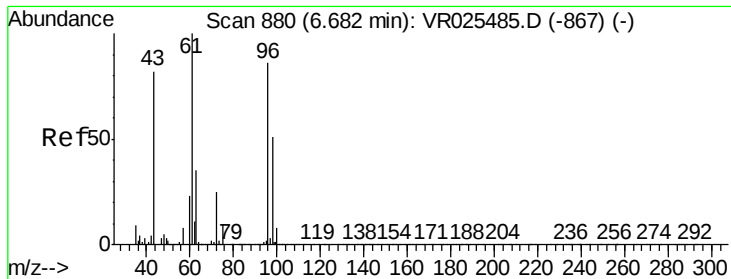
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\  
Data File : VR025493.D  
Acq On : 17 Jul 2018 15:21  
Operator : SY/MD  
Sample : J4002-09 40X  
Misc : 25mL/MSVOA R/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
C0AG5

Quant Time: Jul 18 02:17:51 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR070518WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Jul 18 01:02:47 2018  
Response via : Initial Calibration



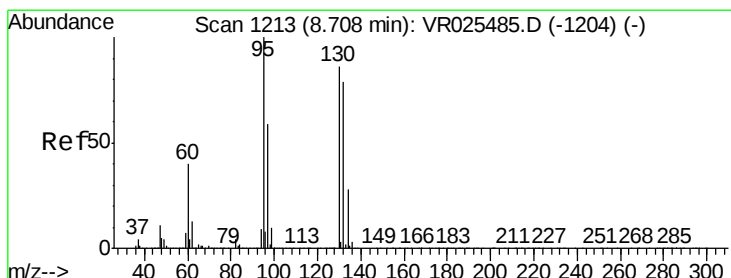
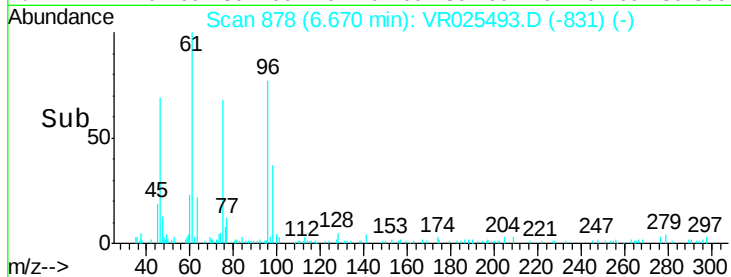
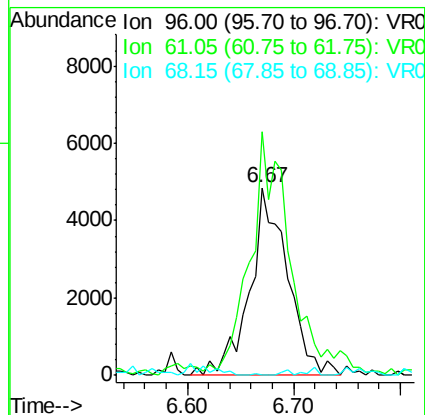
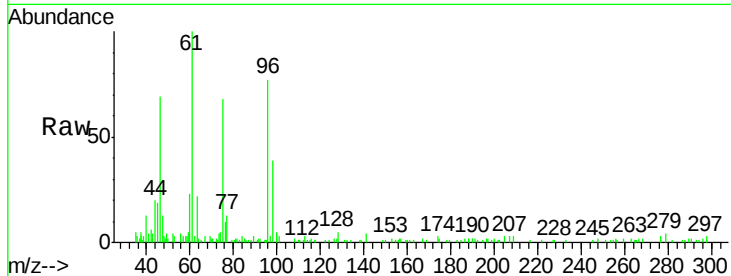


#22

cis-1,2-Dichloroethene  
Concen: 0.23 ug/L  
RT: 6.67 min Scan# 878  
Delta R.T. -0.01 min  
Lab File: VR025493.D  
Acq: 17 Jul 2018 15:21

Instrument :  
MSVOA\_R  
ClientSampleId :  
C0AG5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 129.9 | 91.0  | 169.0 |
| 68      | 0.0   | 0.0   | 0.0   |



#34

Trichloroethene  
Concen: 1.53 ug/L  
RT: 8.71 min Scan# 1213  
Delta R.T. 0.00 min  
Lab File: VR025493.D  
Acq: 17 Jul 2018 15:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 97      | 65.8  | 45.6  | 84.6  |
| 132     | 88.7  | 60.9  | 113.1 |
| 130     | 96.6  | 62.0  | 115.2 |

