

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050119\  
 Data File : VV010614.D  
 Acq On : 01 May 2019 19:52  
 Operator : SY/MD  
 Sample : K2590-18DL 25X  
 Misc : 25mL/MSVOA V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0XC5DL

Quant Time: May 02 08:46:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050119WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu May 02 08:18:34 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 75722    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 72056    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 29315    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 22237    | 5.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 100.00% |
| 7) Chloroethane-d5             | 1.57   | 69    | 13474    | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 33120    | 3.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 74.60%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 57471    | 54.99    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 109.98% |
| 24) Chloroform-d               | 4.40   | 84    | 51085    | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.80% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 25836    | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 106.80% |
| 32) Benzene-d6                 | 5.10   | 84    | 101877   | 5.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 110.20% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 31220    | 5.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 113.00% |
| 41) Toluene-d8                 | 7.36   | 98    | 89172    | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.20%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 9612     | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 97.80%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 46585    | 59.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 118.76% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 20951    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 101.60% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 30681    | 5.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 111.40% |

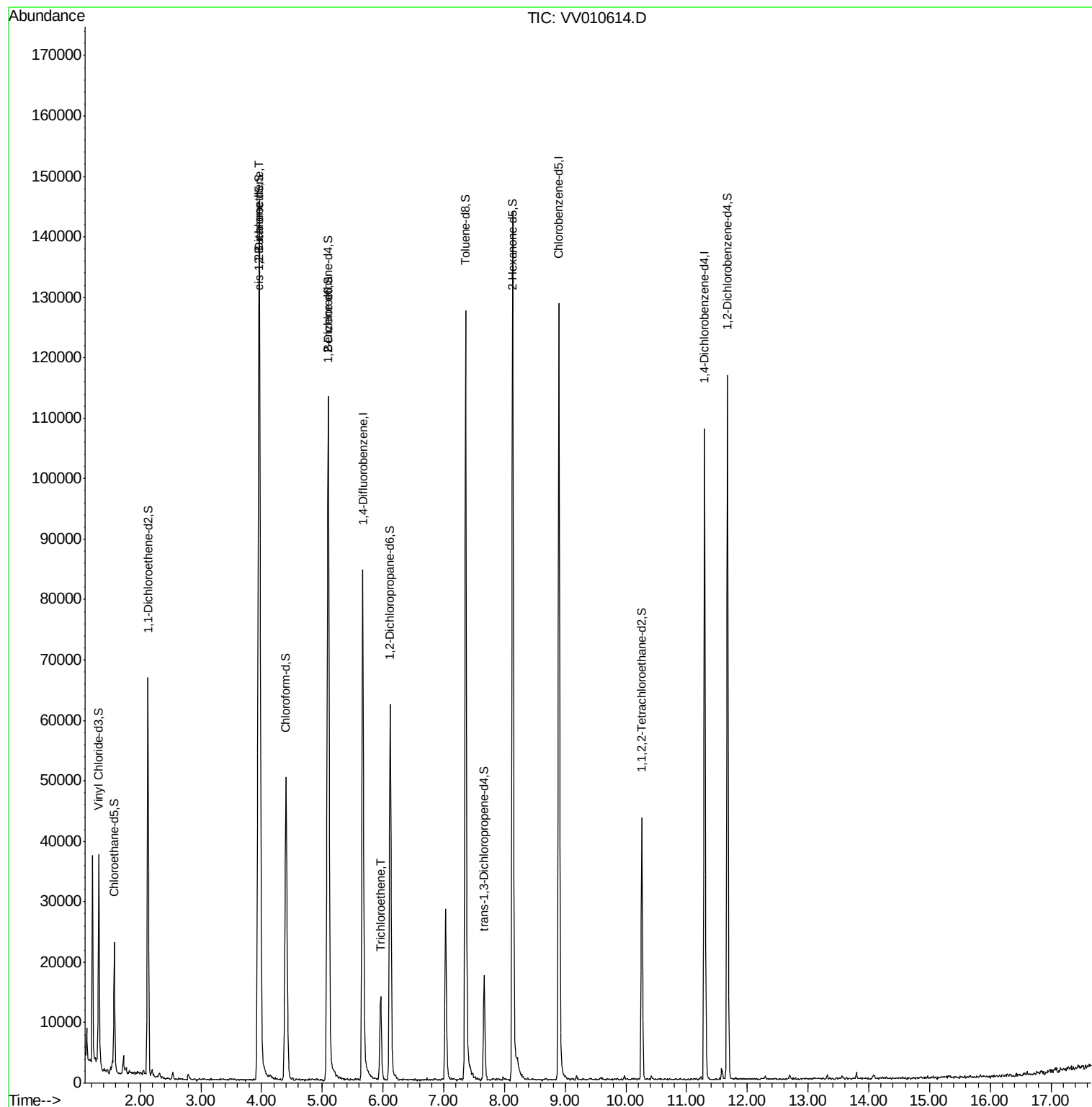
| Target Compounds           |      |    |       |             | Ovalue |
|----------------------------|------|----|-------|-------------|--------|
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 69966 | 12.592 ug/L | 94     |
| 34) Trichloroethene        | 5.96 | 95 | 5066  | 0.906 ug/L  | 95     |

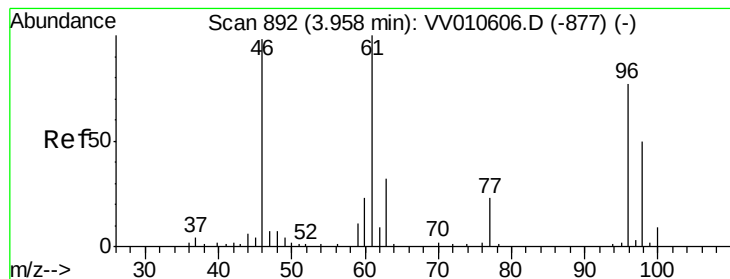
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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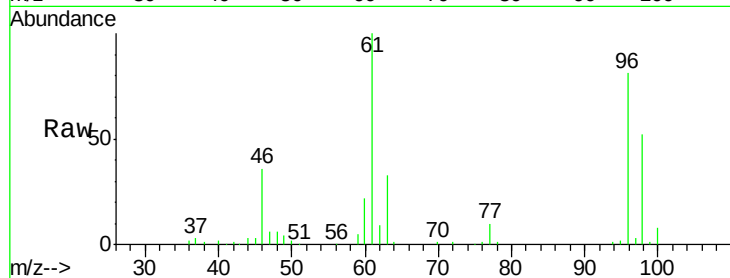


#22

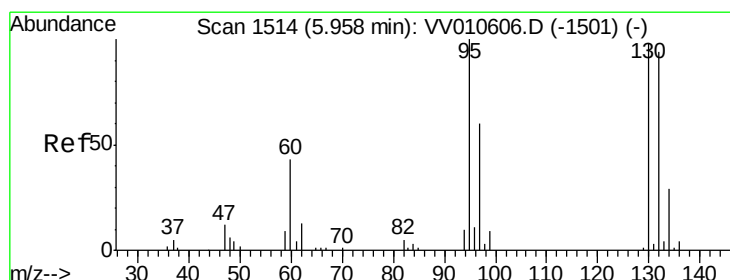
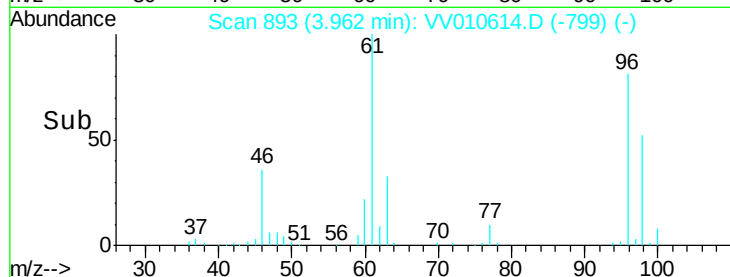
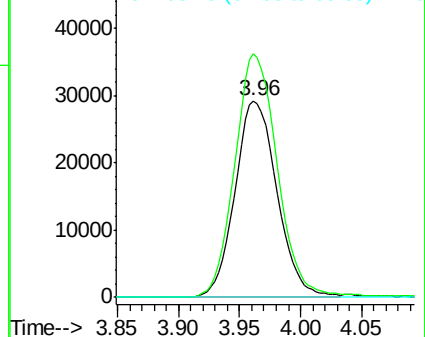
cis-1,2-Dichloroethene  
Concen: 12.592 ug/L  
RT: 3.96 min Scan# 893  
Delta R.T. 0.00 min  
Lab File: VV010614.D  
Acq: 01 May 2019 19:52

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0XC5DL

| Tot Ion | 96    | Resp  | 69966 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 96      | 100   |       |       |
| 61      | 123.7 | 82.3  | 152.9 |
| 68      | 0.0   | 0.0   | 0.0   |



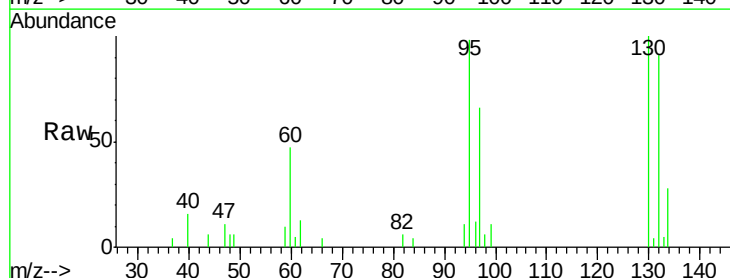
Abundance Ion 96.00 (95.70 to 96.70): VV010614.D (-877) (-)  
Ion 61.05 (60.75 to 61.75): VV010614.D (-877) (-)  
Ion 68.15 (67.85 to 68.85): VV010614.D (-877) (-)



#34

Trichloroethene  
Concen: 0.906 ug/L  
RT: 5.96 min Scan# 1515  
Delta R.T. 0.00 min  
Lab File: VV010614.D  
Acq: 01 May 2019 19:52

| Tgt Ion | 95    | Resp  | 5066  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 95      | 100   |       |       |
| 97      | 67.2  | 42.4  | 78.6  |
| 132     | 92.8  | 69.3  | 128.7 |
| 130     | 101.7 | 70.3  | 130.7 |



Abundance Ion 95.00 (94.70 to 95.70): VV010614.D (-1501) (-)  
Ion 96.95 (96.65 to 97.65): VV010614.D (-1501) (-)  
Ion 131.95 (131.65 to 132.65): VV010614.D (-1501) (-)  
Ion 129.95 (129.65 to 130.65): VV010614.D (-1501) (-)

