

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071318\  
 Data File : VV006599.D  
 Acq On : 13 Jul 2018 18:08  
 Operator : SY/MD  
 Sample : J3919-16DL 5X  
 Misc : 25 mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AF2DL

Quant Time: Jul 14 01:45:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR070718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Jul 14 00:30:59 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 388362   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 349994   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 154125   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 88780    | 4.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 84.00%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 71076    | 3.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 77.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 115717   | 2.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 59.00%# |
| 20) 2-Butanone-d5              | 3.97   | 46    | 168970   | 31.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 63.02%  |
| 24) Chloroform-d               | 4.40   | 84    | 147029   | 3.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 70.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 69050    | 3.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 71.60%  |
| 32) Benzene-d6                 | 5.10   | 84    | 327647   | 4.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 82.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 97754    | 3.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 75.60%  |
| 41) Toluene-d8                 | 7.36   | 98    | 290653   | 4.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 81.40%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 28981    | 3.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 66.00%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 140652   | 31.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 63.42%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 63581    | 3.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 62.40%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 103651   | 3.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 78.20%# |

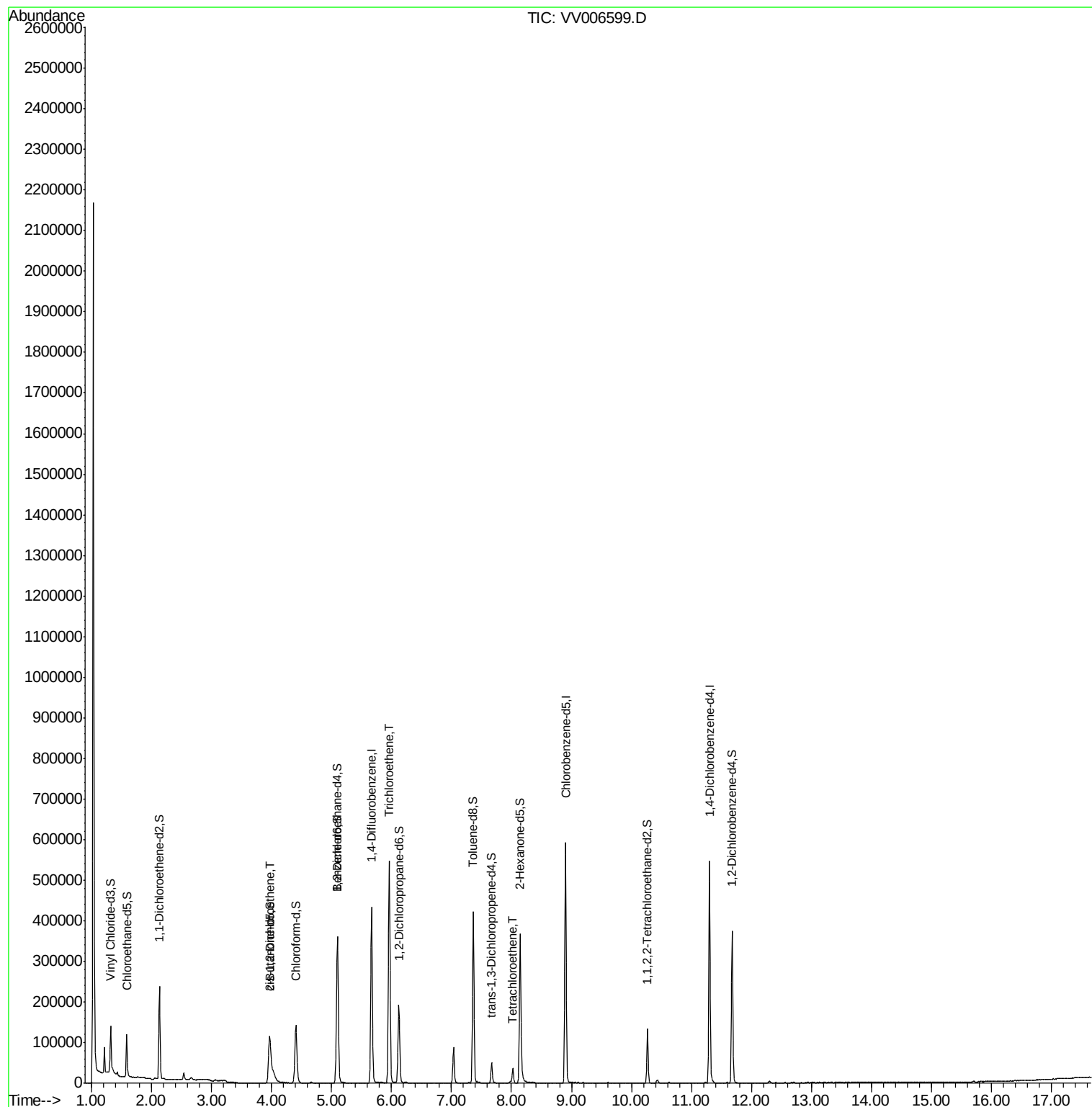
| Target Compounds           |      |     |        |      |      | Ovalue |
|----------------------------|------|-----|--------|------|------|--------|
| 22) cis-1,2-Dichloroethene | 3.97 | 96  | 23922  | 0.84 | ug/L | 100    |
| 34) Trichloroethene        | 5.96 | 95  | 192104 | 7.17 | ug/L | 97     |
| 47) Tetrachloroethene      | 8.02 | 164 | 8908   | 0.40 | ug/L | 98     |

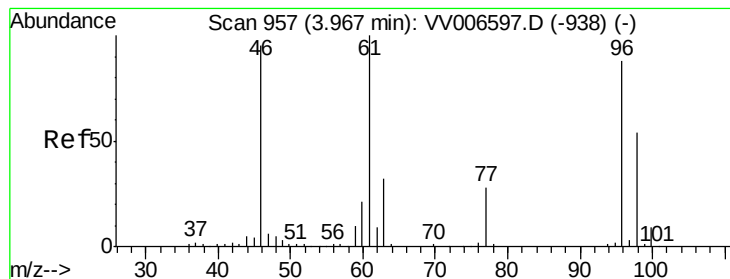
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Jul 14 00:30:59 2018  
Response via : Initial Calibration





#22

cis-1,2-Dichloroethene

Concen: 0.84 ug/L

RT: 3.97 min Scan# 957

Delta R.T. -0.00 min

Lab File: VV006599.D

Acq: 13 Jul 2018 18:08

Instrument :

MSVOA\_V

ClientSampleId :

C0AF2DL

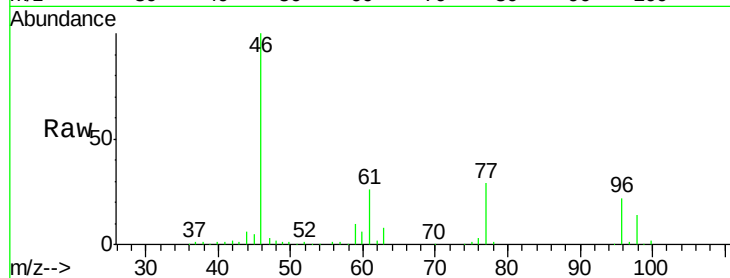
Tot Ion: 96 Resp: 23922

Ion Ratio Lower Upper

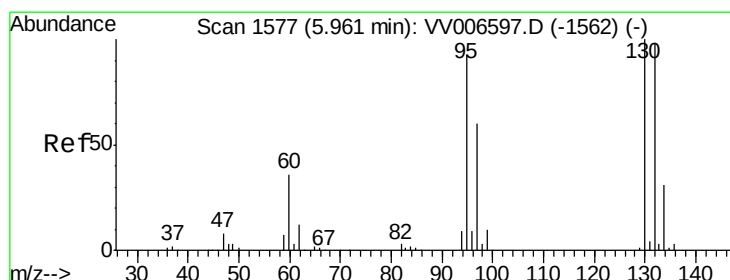
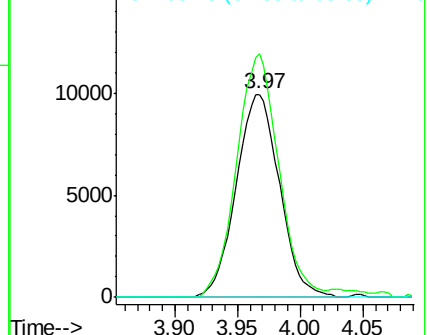
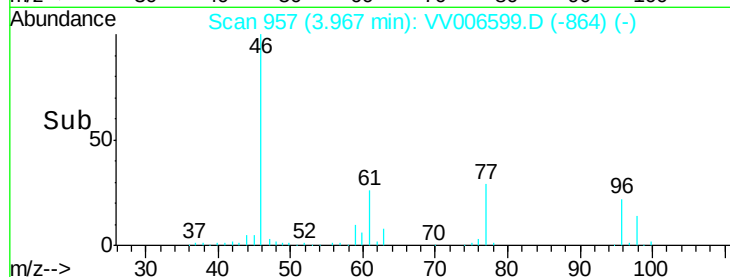
96 100

61 119.8 83.8 155.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV006599.D (-864) (-)



#34

Trichloroethene

Concen: 7.17 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV006599.D

Acq: 13 Jul 2018 18:08

Tgt Ion: 95 Resp: 192104

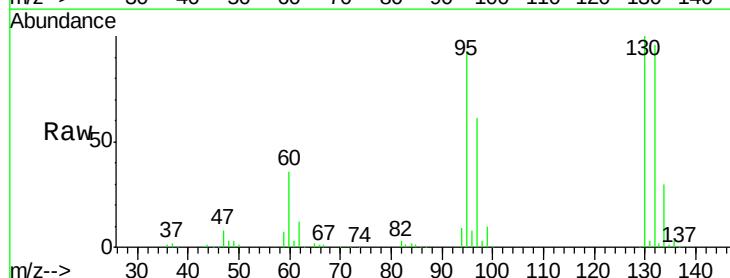
Ion Ratio Lower Upper

95 100

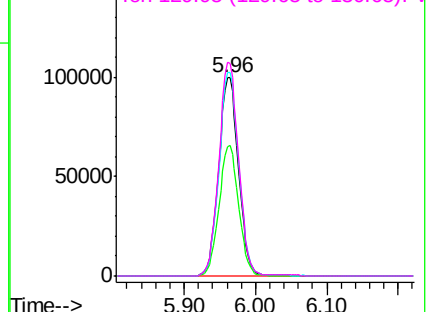
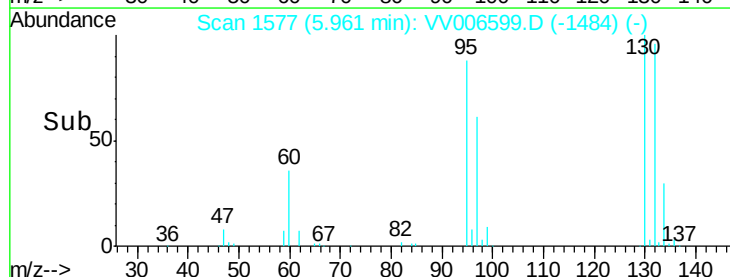
97 65.5 44.3 82.3

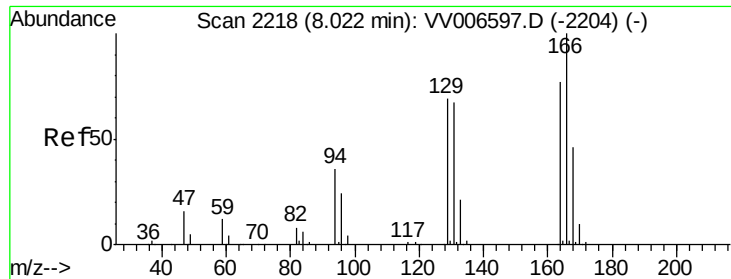
132 102.9 70.0 130.0

130 107.7 72.7 134.9



Abundance Ion 95.00 (94.70 to 95.70): VV006599.D (-1484) (-)

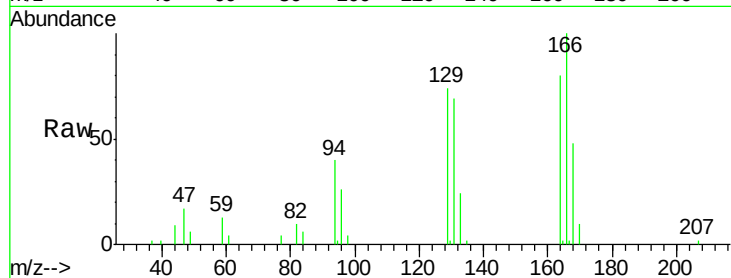




#47  
Tetrachloroethene  
Concen: 0.40 ug/L  
RT: 8.02 min Scan# 2218  
Delta R.T. -0.00 min  
Lab File: VV006599.D  
Acq: 13 Jul 2018 18:08

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AF2DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 164   | Resp: | 8908  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 93.2  | 62.1  | 115.3 |
| 131      | 86.5  | 60.8  | 113.0 |
| 166      | 125.2 | 87.1  | 161.7 |



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

