

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092418\  
 Data File : VV007841.D  
 Acq On : 25 Sep 2018 01:36  
 Operator : SY/MD  
 Sample : J5043-16  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E5FF6

Quant Time: Sep 25 05:18:35 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM092318WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Sep 25 04:04:32 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 189379   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 182649   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 91525    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 33596    | 32.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 65.28%  |
| 7) Chloroethane-d5             | 1.59    | 69    | 37013    | 39.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 79.14%  |
| 11) 1,1-Dichloroethene-d2      | 2.14    | 63    | 67938    | 28.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 56.00%# |
| 21) 2-Butanone-d5              | 3.95    | 46    | 50420    | 74.17    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 74.17%  |
| 24) Chloroform-d               | 4.41    | 84    | 81185    | 36.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 73.68%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 59872    | 42.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.20%  |
| 32) Benzene-d6                 | 5.11    | 84    | 167539   | 39.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 79.82%  |
| 36) 1,2-Dichloropropane-d6     | 6.13    | 67    | 51341    | 41.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 82.82%  |
| 41) Toluene-d8                 | 7.36    | 98    | 168325   | 38.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 76.74%# |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 21918    | 35.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.12%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 40513    | 74.20    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 74.20%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 79256    | 40.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 81.90%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 78695    | 41.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 83.60%  |

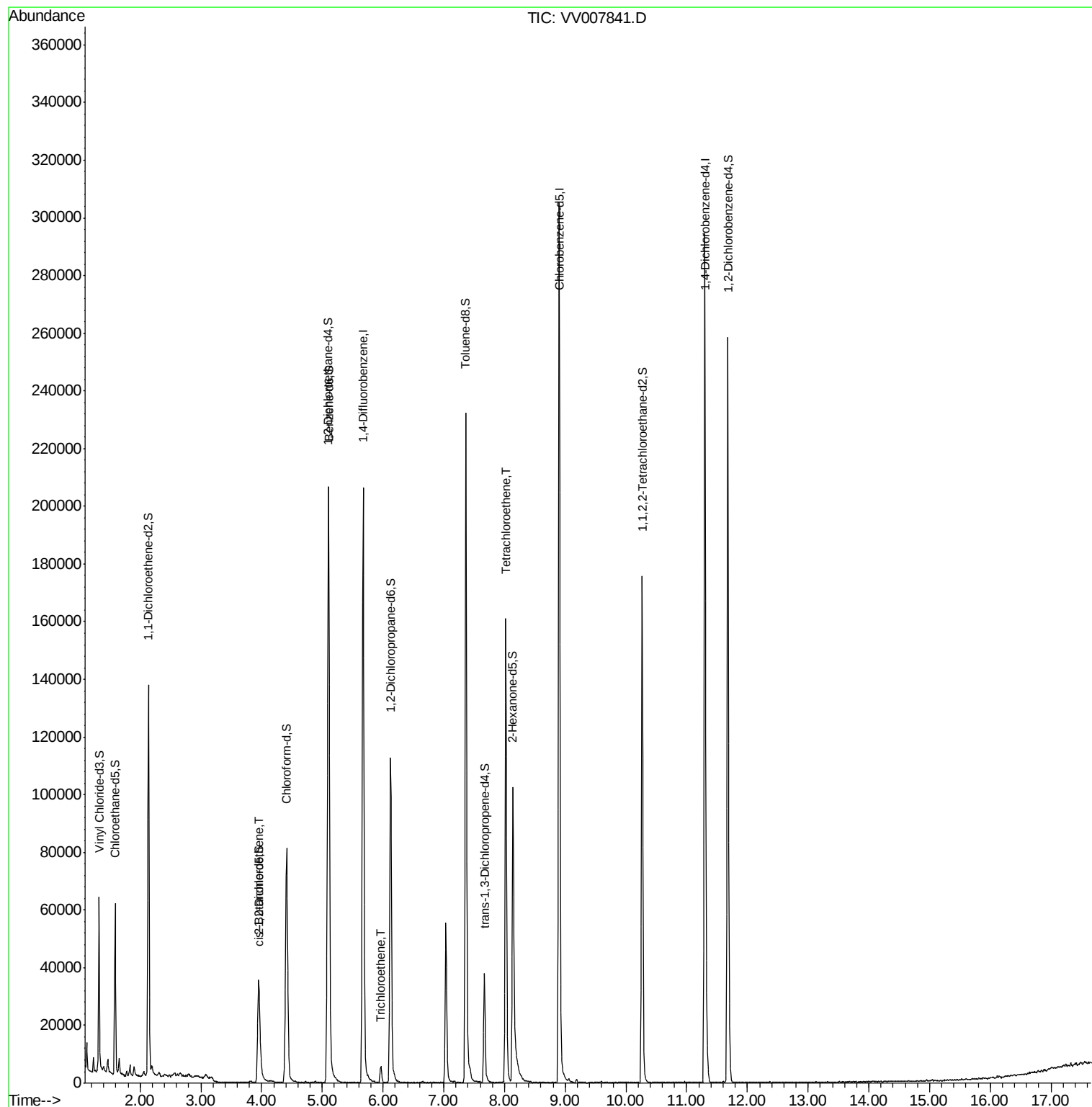
| Target Compounds           |      |     |       |             | Ovalue |
|----------------------------|------|-----|-------|-------------|--------|
| 20) cis-1,2-Dichloroethene | 3.97 | 96  | 2150  | 1.692 ug/L  | 86     |
| 34) Trichloroethene        | 5.96 | 95  | 1953  | 1.509 ug/L  | 89     |
| 46) Tetrachloroethene      | 8.02 | 164 | 38561 | 29.119 ug/L | 98     |

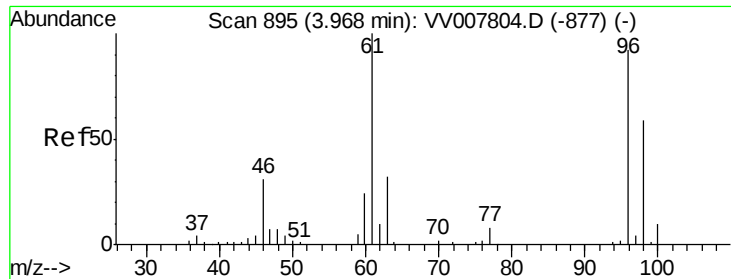
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV092418\  
Data File : VV007841.D  
Acq On : 25 Sep 2018 01:36  
Operator : SY/MD  
Sample : J5043-16  
Misc : 5.0 mL/MSVOA V/WATER  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
E5FF6

Quant Time: Sep 25 05:18:35 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM092318WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Sep 25 04:04:32 2018  
Response via : Initial Calibration





#20

cis-1,2-Dichloroethene

Concen: 1.692 ug/L

RT: 3.97 min Scan# 896

Delta R.T. 0.00 min

Lab File: VV007841.D

Acq: 25 Sep 2018 01:36

Instrument :

MSVOA\_V

ClientSampleId :

E5FF6

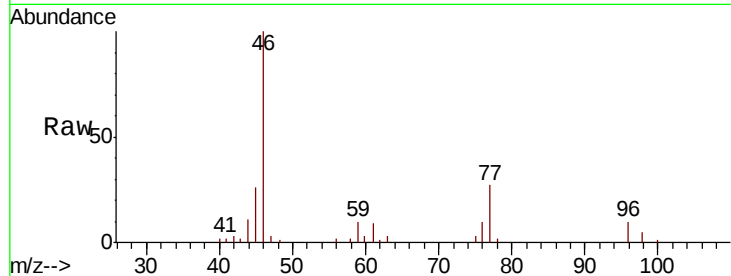
Tot Ion: 96 Resp: 2150

Ion Ratio Lower Upper

96 100

61 97.7 78.8 146.3

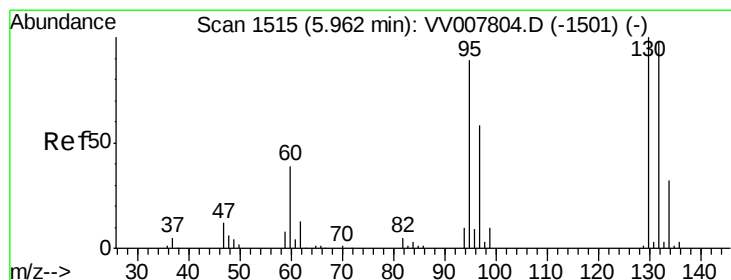
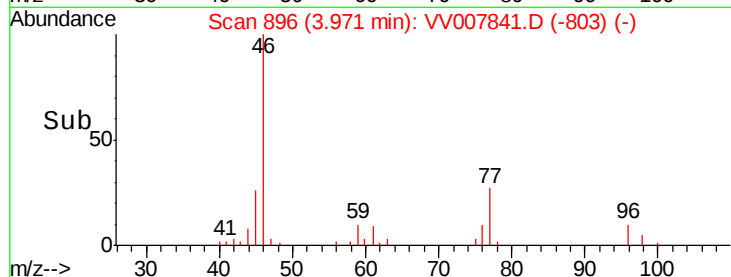
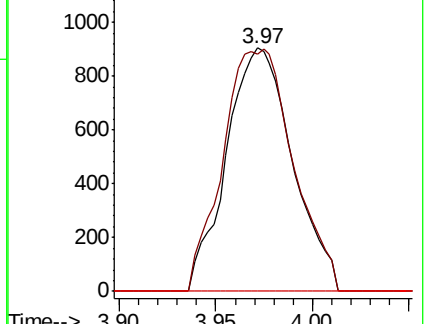
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV007804.D (-877) (-)

Ion 61.00 (60.70 to 61.70): VV007804.D (-877) (-)

Ion 68.00 (67.70 to 68.70): VV007804.D (-877) (-)



#34

Trichloroethene

Concen: 1.509 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007841.D

Acq: 25 Sep 2018 01:36

Tgt Ion: 95 Resp: 1953

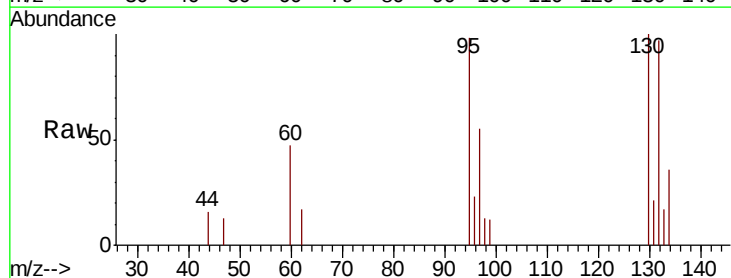
Ion Ratio Lower Upper

95 100

97 55.8 45.2 84.0

132 98.5 77.7 144.3

130 102.0 79.7 148.1

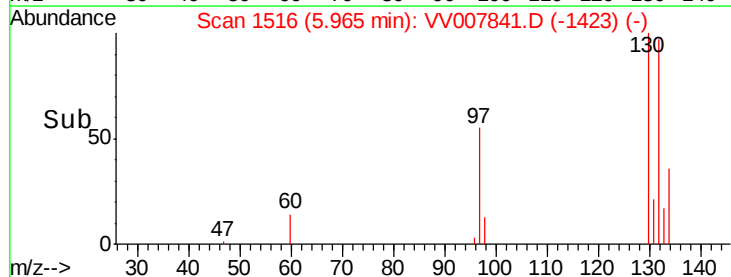
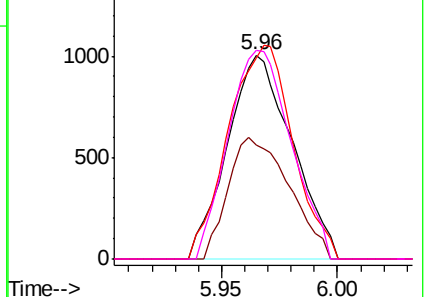


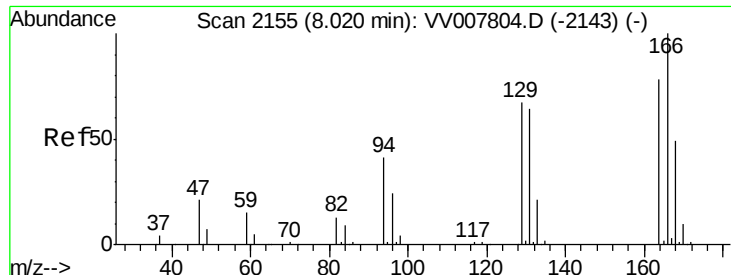
Abundance Ion 95.00 (94.70 to 95.70): VV007804.D (-1501) (-)

Ion 97.00 (96.70 to 97.70): VV007804.D (-1501) (-)

Ion 132.00 (131.70 to 132.70): VV007804.D (-1501) (-)

Ion 130.00 (129.70 to 130.70): VV007804.D (-1501) (-)





#46

Tetrachloroethene

Concen: 29.119 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV007841.D

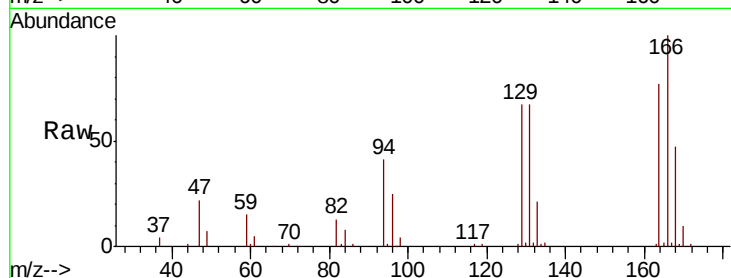
Acq: 25 Sep 2018 01:36

Instrument :

MSVOA\_V

ClientSampleId :

E5FF6



Tot Ion:164 Resp: 38561

Ion Ratio Lower Upper

164 100

129 86.3 61.0 113.4

131 86.5 57.8 107.4

166 129.8 89.9 167.0

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

