

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081018\  
 Data File : VV006976.D  
 Acq On : 10 Aug 2018 11:34  
 Operator : SY/MD  
 Sample : J4358-09DL 20X  
 Misc : 25 mL/MSVOA V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ESWX0DL

Quant Time: Aug 10 23:25:43 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR080918WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Aug 10 23:13:31 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 251489   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 240926   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 96034    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 71918    | 4.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 88.60%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 64767    | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 97922    | 3.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 64.20%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 205064   | 43.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 87.84%  |
| 24) Chloroform-d               | 4.41   | 84    | 158420   | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 82349    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.00%  |
| 32) Benzene-d6                 | 5.10   | 84    | 297477   | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 107563   | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.60% |
| 41) Toluene-d8                 | 7.37   | 98    | 221044   | 4.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 84.00%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 33146    | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 90.00%  |
| 46) 2-Hexanone-d5              | 8.15   | 63    | 116904   | 38.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 77.68%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 77354    | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 93.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 83408    | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.80%  |

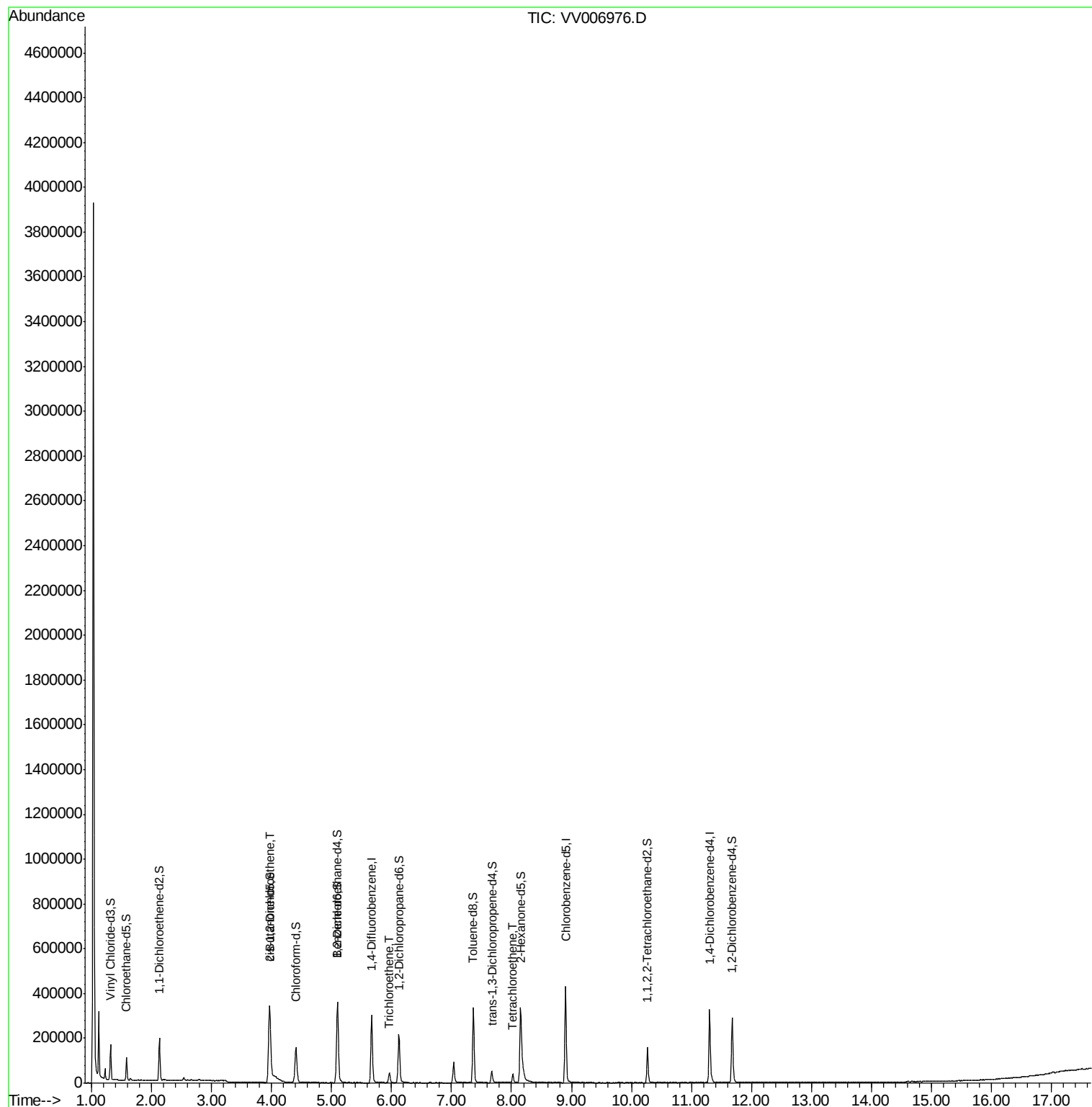
| Target Compounds           |      |     |        |      |      | Ovalue |
|----------------------------|------|-----|--------|------|------|--------|
| 22) cis-1,2-Dichloroethene | 3.97 | 96  | 135412 | 6.17 | ug/L | 97     |
| 34) Trichloroethene        | 5.96 | 95  | 14383  | 0.72 | ug/L | 96     |
| 47) Tetrachloroethene      | 8.03 | 164 | 8529   | 0.53 | ug/L | 94     |

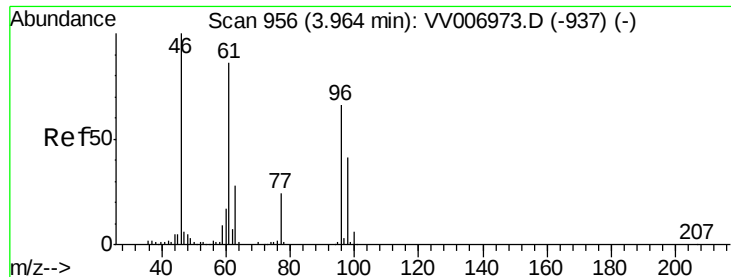
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 10 23:13:31 2018  
Response via : Initial Calibration





#22

cis-1,2-Dichloroethene

Concen: 6.17 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV006976.D

Acq: 10 Aug 2018 11:34

Instrument :

MSVOA\_V

ClientSampled :

ESWX0DL

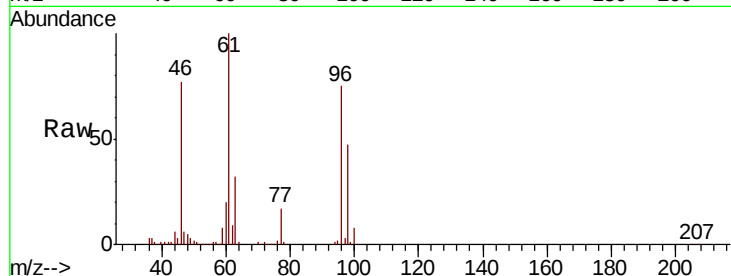
Tot Ion: 96 Resp: 135412

Ion Ratio Lower Upper

96 100

61 133.5 91.1 169.1

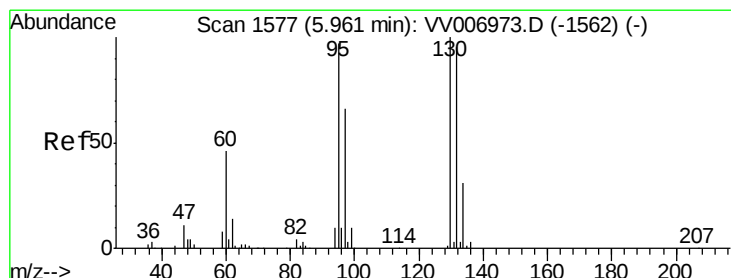
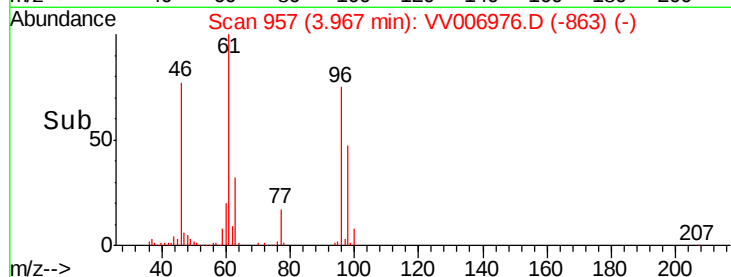
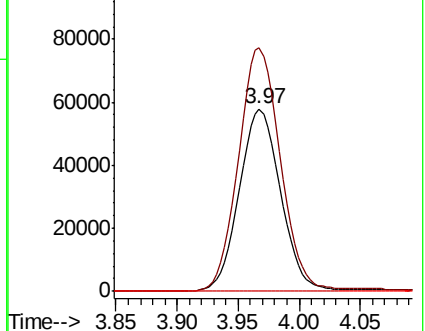
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV006976.D (-1484) (-)

Ion 61.05 (60.75 to 61.75): VV006976.D (-1484) (-)

Ion 68.15 (67.85 to 68.85): VV006976.D (-1484) (-)



#34

Trichloroethene

Concen: 0.72 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006976.D

Acq: 10 Aug 2018 11:34

Tgt Ion: 95 Resp: 14383

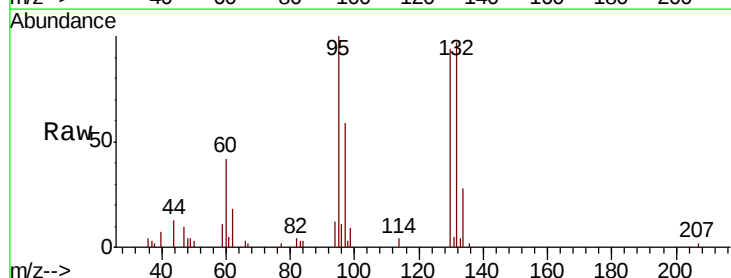
Ion Ratio Lower Upper

95 100

97 59.1 44.8 83.2

132 97.3 65.5 121.6

130 93.7 66.4 123.4

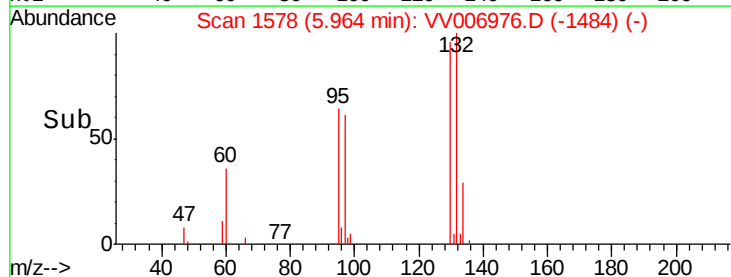
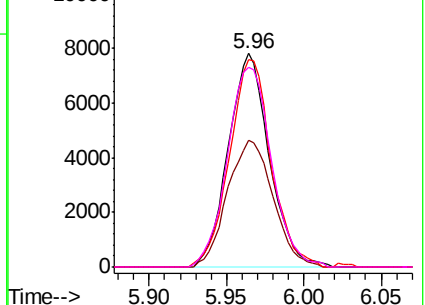


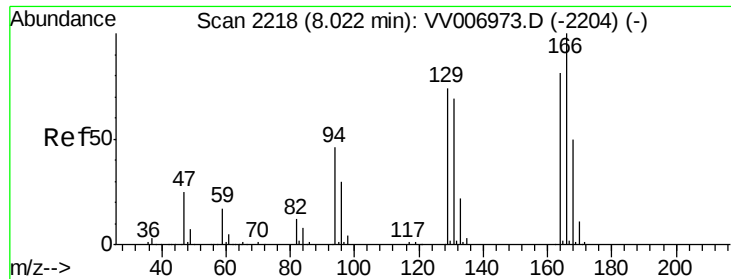
Abundance Ion 95.00 (94.70 to 95.70): VV006976.D (-1484) (-)

Ion 96.95 (96.65 to 97.65): VV006976.D (-1484) (-)

Ion 131.95 (131.65 to 132.65): VV006976.D (-1484) (-)

Ion 129.95 (129.65 to 130.65): VV006976.D (-1484) (-)





#47

Tetrachloroethene

Concen: 0.53 ug/L

RT: 8.03 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VV006976.D

Acq: 10 Aug 2018 11:34

Instrument :

MSVOA\_V

ClientSampleId :

ESWX0DL

Tot Ion:164 Resp: 8529

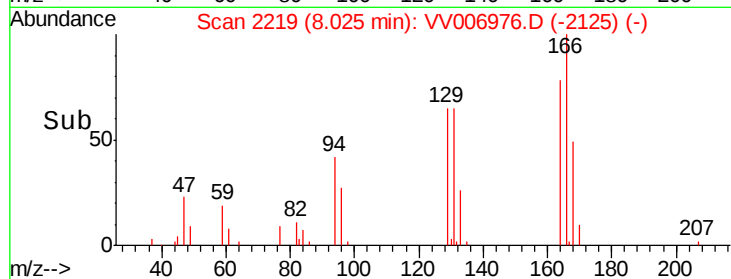
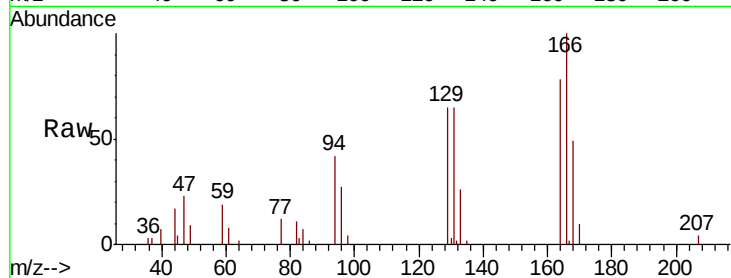
Ion Ratio Lower Upper

164 100

129 84.2 65.9 122.3

131 84.1 64.2 119.2

166 128.6 89.4 166.0



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

