

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092818\  
 Data File : VV007980.D  
 Acq On : 29 Sep 2018 03:40  
 Operator : SY/MD  
 Sample : J5159-04  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAC90

Quant Time: Oct 01 06:46:59 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR092718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Oct 01 04:55:39 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 86283    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 80520    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 39542    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 17121    | 3.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 74.00%  |
| 7) Chloroethane-d5             | 1.59   | 69    | 17579    | 4.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 88.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 29836    | 2.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 57.20%# |
| 20) 2-Butanone-d5              | 3.96   | 46    | 66928    | 48.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 96.22%  |
| 24) Chloroform-d               | 4.41   | 84    | 46500    | 4.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 24900    | 4.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.00%  |
| 32) Benzene-d6                 | 5.10   | 84    | 87232    | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.13   | 67    | 28286    | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 92.80%  |
| 41) Toluene-d8                 | 7.36   | 98    | 80011    | 4.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 81.80%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 8827     | 3.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 75.20%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 47396    | 45.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 91.52%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 21791    | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 34918    | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 91.20%  |

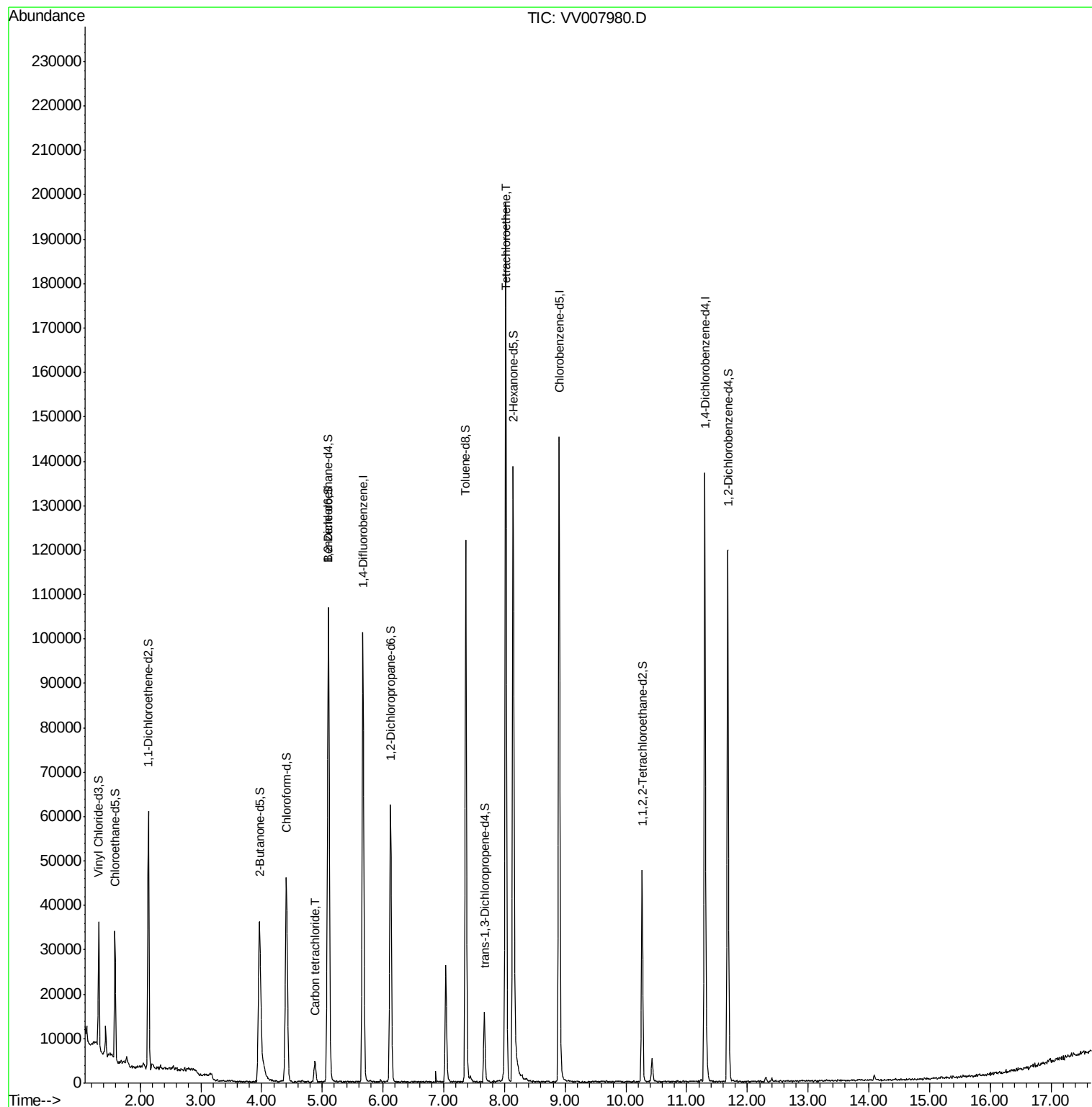
| Target Compounds         |      |     |       |            | Ovalue |
|--------------------------|------|-----|-------|------------|--------|
| 31) Carbon tetrachloride | 4.88 | 117 | 3420  | 0.401 ug/L | 99     |
| 47) Tetrachloroethene    | 8.02 | 164 | 45521 | 7.441 ug/L | 97     |

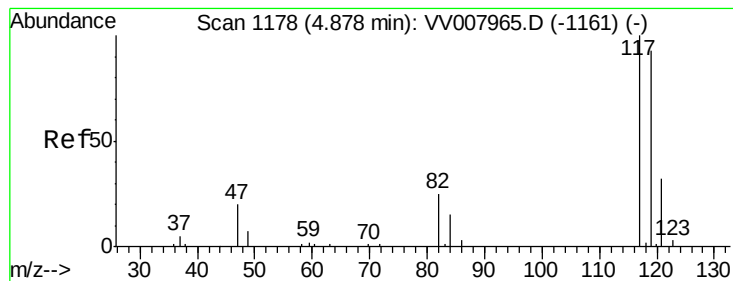
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 01 04:55:39 2018  
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#31

Carbon tetrachloride

Concen: 0.401 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV007980.D

Acq: 29 Sep 2018 03:40

Instrument :

MSVOA\_V

ClientSampleId :

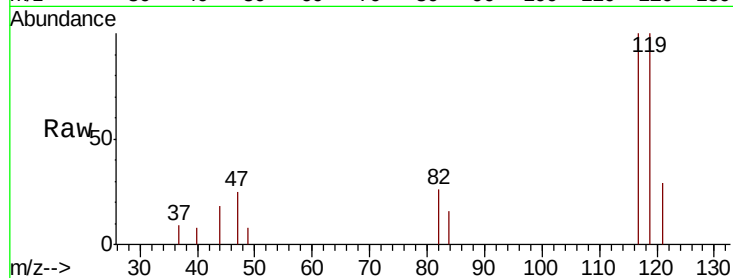
GAC90

Tot Ion:117 Resp: 3420

Ion Ratio Lower Upper

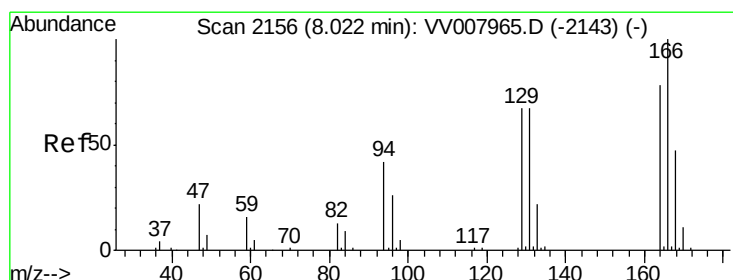
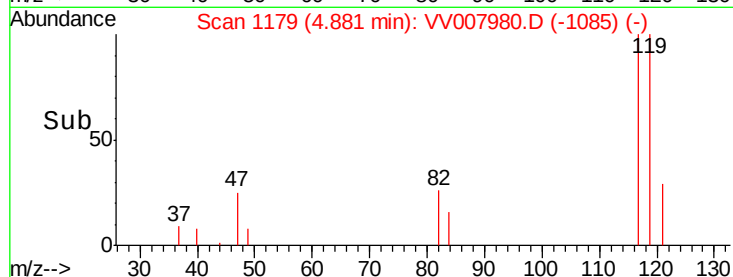
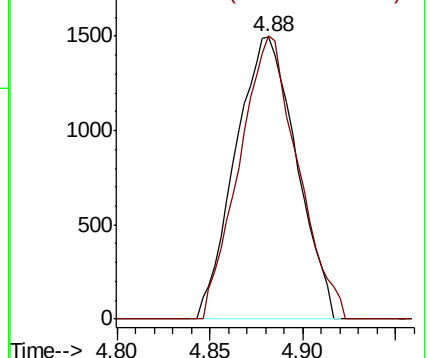
117 100

119 96.3 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#47

Tetrachloroethene

Concen: 7.441 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV007980.D

Acq: 29 Sep 2018 03:40

Tgt Ion:164 Resp: 45521

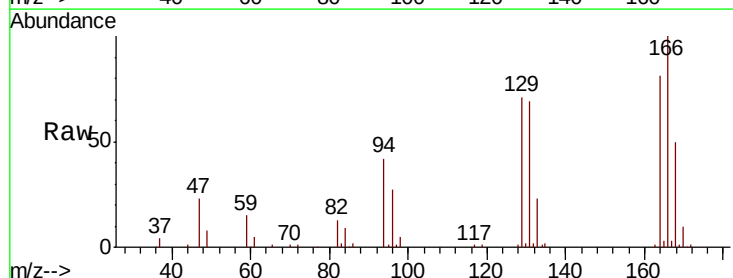
Ion Ratio Lower Upper

164 100

129 87.9 59.2 110.0

131 85.8 57.1 106.1

166 123.6 88.6 164.6



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

