

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092618\  
 Data File : VV007879.D  
 Acq On : 26 Sep 2018 13:18  
 Operator : SY/MD  
 Sample : J5043-20DL 4X  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E5FG0DL

Quant Time: Sep 27 05:02:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM092518WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 27 04:55:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 177384   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 171005   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 89417    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 52309    | 47.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 94.10%  |
| 7) Chloroethane-d5             | 1.59    | 69    | 49717    | 51.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 103.56% |
| 11) 1,1-Dichloroethene-d2      | 2.14    | 63    | 89611    | 37.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 75.64%  |
| 21) 2-Butanone-d5              | 3.95    | 46    | 96415    | 128.65   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 128.65% |
| 24) Chloroform-d               | 4.41    | 84    | 120155   | 52.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.04% |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 90240    | 54.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 109.58% |
| 32) Benzene-d6                 | 5.10    | 84    | 243755   | 53.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.44% |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 77935    | 54.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 108.68% |
| 41) Toluene-d8                 | 7.36    | 98    | 235020   | 50.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.82% |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 34819    | 51.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 102.00% |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 71443    | 117.96   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 117.96% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 110605   | 52.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 104.50% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 107350   | 54.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.02% |

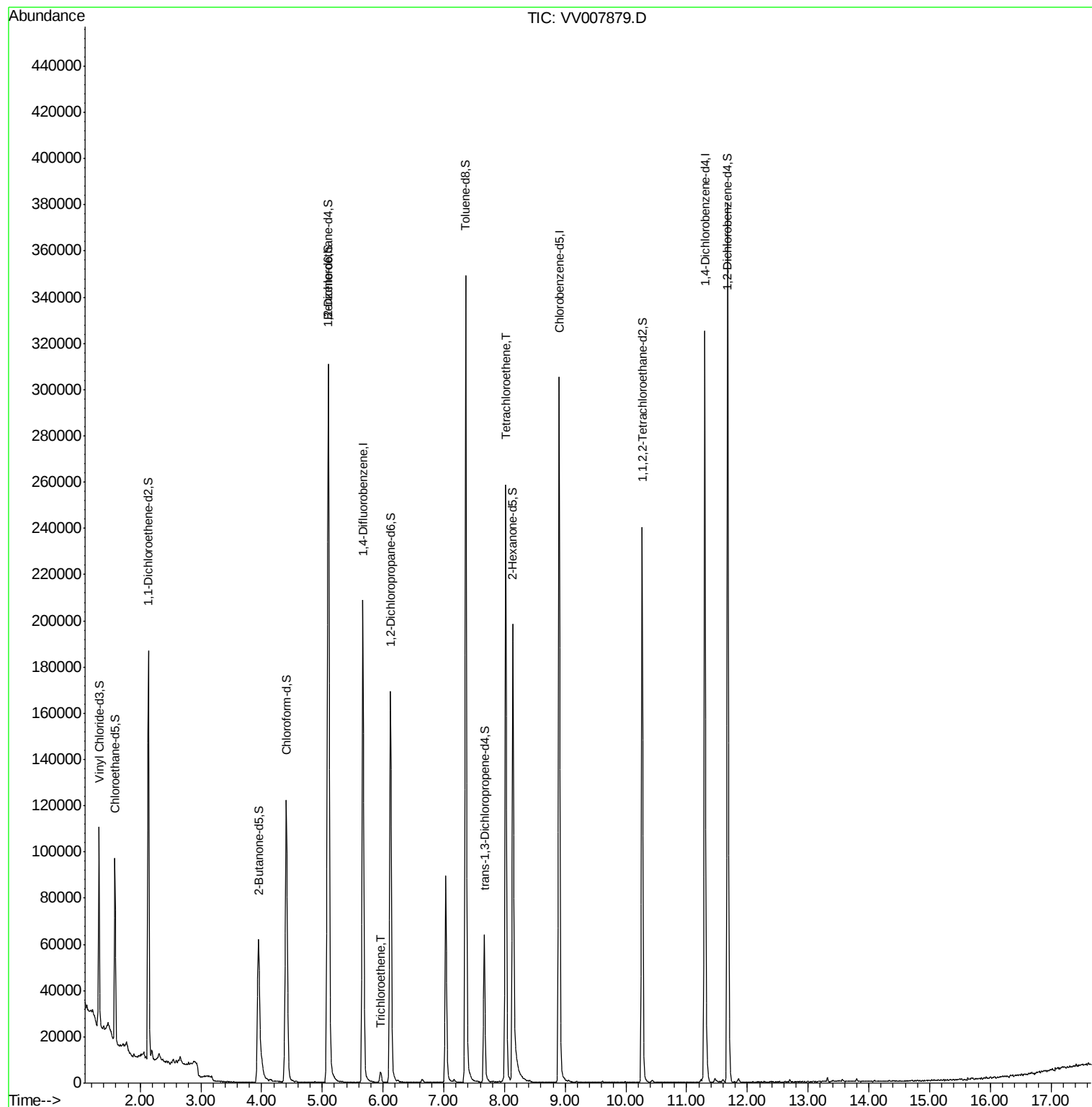
| Target Compounds      |      |     |       |             | Ovalue |
|-----------------------|------|-----|-------|-------------|--------|
| 34) Trichloroethene   | 5.96 | 95  | 1246  | 0.977 ug/L  | 90     |
| 46) Tetrachloroethene | 8.02 | 164 | 59189 | 48.289 ug/L | 96     |

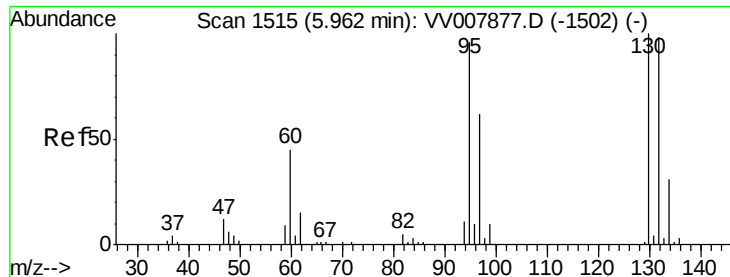
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Sep 27 04:55:01 2018  
Response via : Initial Calibration





#34

Trichloroethene

Concen: 0.977 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV007879.D

Acq: 26 Sep 2018 13:18

Instrument :

MSVOA\_V

ClientSampleId :

E5FG0DL

Tot Ion: 95 Resp: 1246

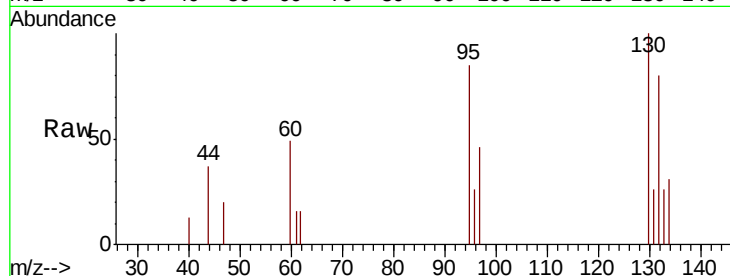
Ion Ratio Lower Upper

95 100

97 54.5 45.4 84.2

132 93.4 72.2 134.0

130 117.2 75.5 140.3

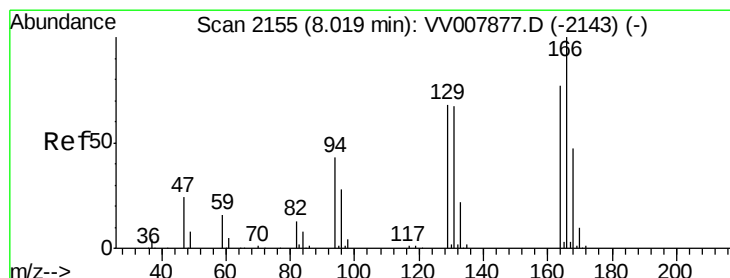
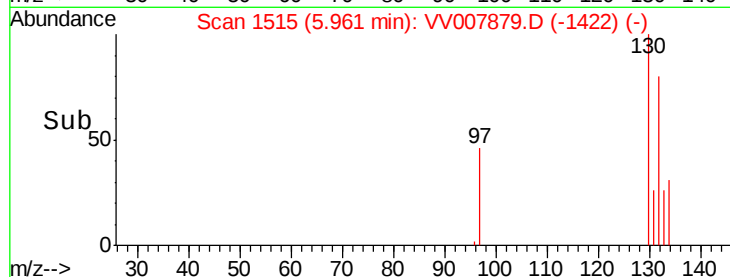
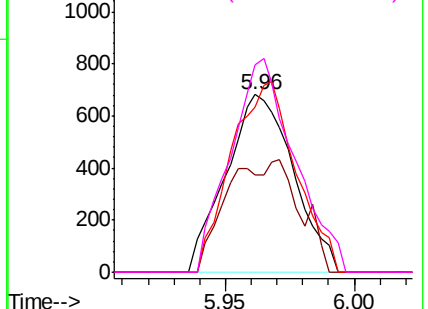


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 48.289 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV007879.D

Acq: 26 Sep 2018 13:18

Tgt Ion: 164 Resp: 59189

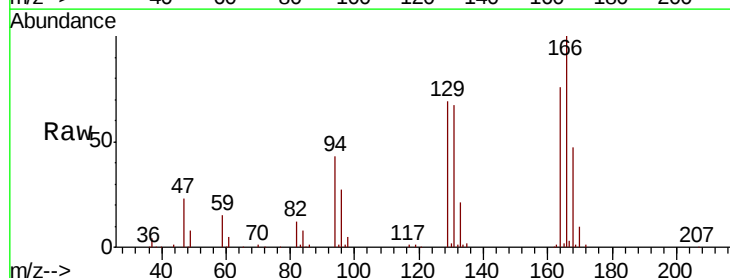
Ion Ratio Lower Upper

164 100

129 90.2 60.9 113.1

131 88.1 58.8 109.2

166 131.0 88.8 164.8



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

