

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100120\  
 Data File : VV018601.D  
 Acq On : 01 Oct 2020 20:24  
 Operator : SY/MD  
 Sample : L4237-03  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E0AB8

Quant Time: Oct 02 04:46:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM092920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Oct 02 04:18:06 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 304061   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 309844   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 150610   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 95180    | 53.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 106.74% |
| 7) Chloroethane-d5             | 1.58    | 69    | 83716    | 56.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 113.56% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 150449   | 41.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 82.82%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 109613   | 82.41    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 82.41%  |
| 24) Chloroform-d               | 4.38    | 84    | 177718   | 46.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.18%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 118584   | 48.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.88%  |
| 32) Benzene-d6                 | 5.08    | 84    | 348601   | 44.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.84%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 112290   | 47.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 94.70%  |
| 41) Toluene-d8                 | 7.34    | 98    | 318527   | 43.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.28%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 53608    | 41.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.70%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 63156    | 70.12    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 70.12%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 120237   | 38.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 76.48%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 141230   | 48.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.52%  |

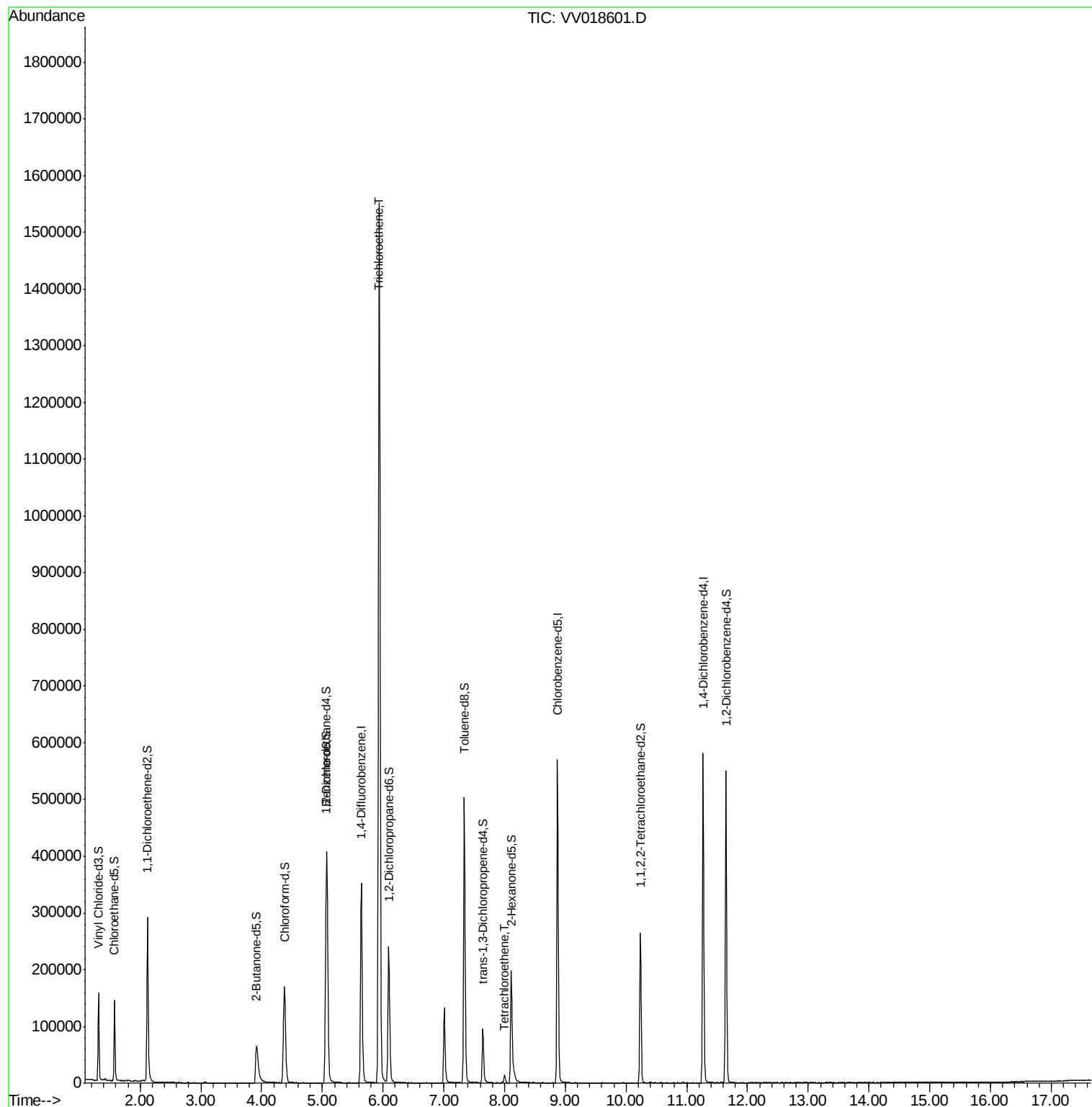
| Target Compounds      |      |     |        |              | Ovalue |
|-----------------------|------|-----|--------|--------------|--------|
| 34) Trichloroethene   | 5.94 | 95  | 518095 | 196.048 ug/L | 99     |
| 46) Tetrachloroethene | 8.00 | 164 | 3381   | 1.577 ug/L   | 94     |

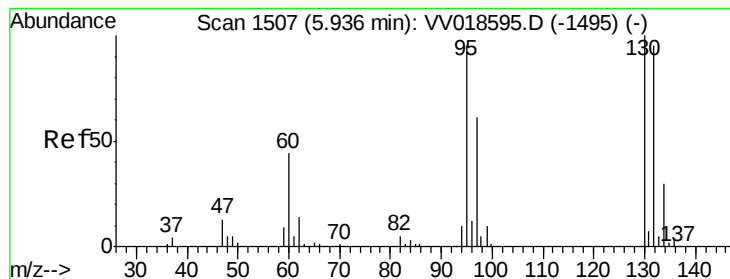
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Oct 02 04:18:06 2020  
Response via : Initial Calibration





#34

Trichloroethene

Concen: 196.048 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018601.D

Acq: 01 Oct 2020 20:24

Instrument :

MSVOA\_V

ClientSampleId :

E0AB8

Tot Ion: 95 Resp: 518095

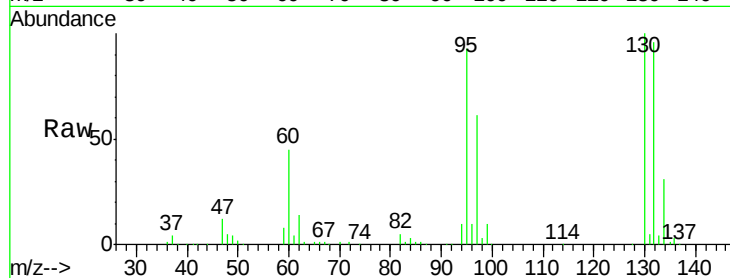
Ion Ratio Lower Upper

95 100

97 65.7 45.9 85.3

132 102.5 70.8 131.4

130 107.0 75.3 139.8

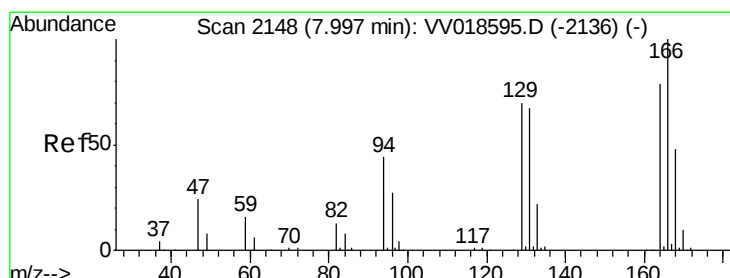
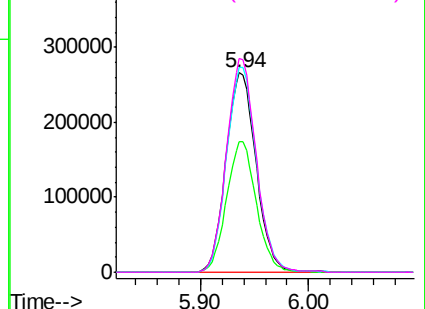
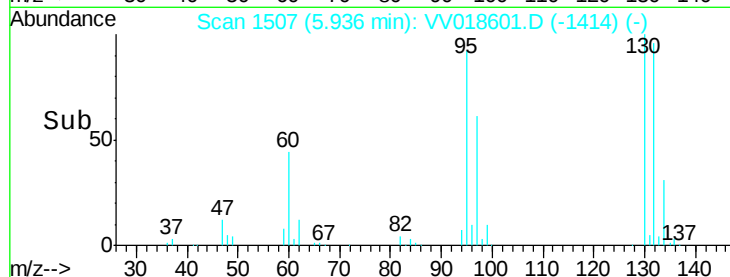


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 1.577 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV018601.D

Acq: 01 Oct 2020 20:24

Tgt Ion: 164 Resp: 3381

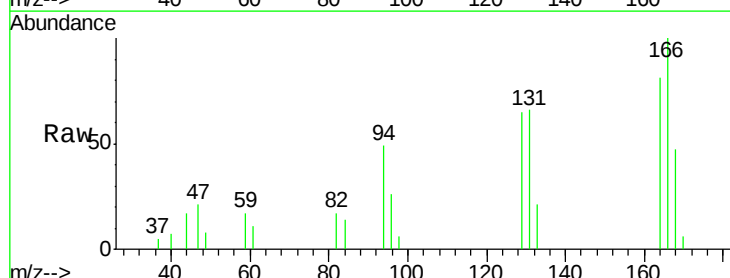
Ion Ratio Lower Upper

164 100

129 80.5 62.8 116.6

131 80.7 60.8 112.8

166 123.2 88.9 165.1



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

