

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\  
 Data File : VV018723.D  
 Acq On : 07 Oct 2020 12:10  
 Operator : SY/MD  
 Sample : L4203-08DL 50X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3N9DL

Quant Time: Oct 08 04:16:03 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM092920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 08 02:46:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 312628   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 266764   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 128863   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 85823    | 46.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 93.62%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 75139    | 49.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 99.12%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 135443   | 36.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.52%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 107584   | 78.66    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 78.66%  |
| 24) Chloroform-d               | 4.37    | 84    | 165198   | 41.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.34%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 125381   | 49.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.64%  |
| 32) Benzene-d6                 | 5.07    | 84    | 352454   | 52.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.32% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 107493   | 52.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 105.30% |
| 41) Toluene-d8                 | 7.34    | 98    | 284761   | 44.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.60%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 47977    | 43.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.00%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 58934    | 76.00    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 76.00%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 105333   | 38.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 77.82%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 125083   | 50.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.94% |

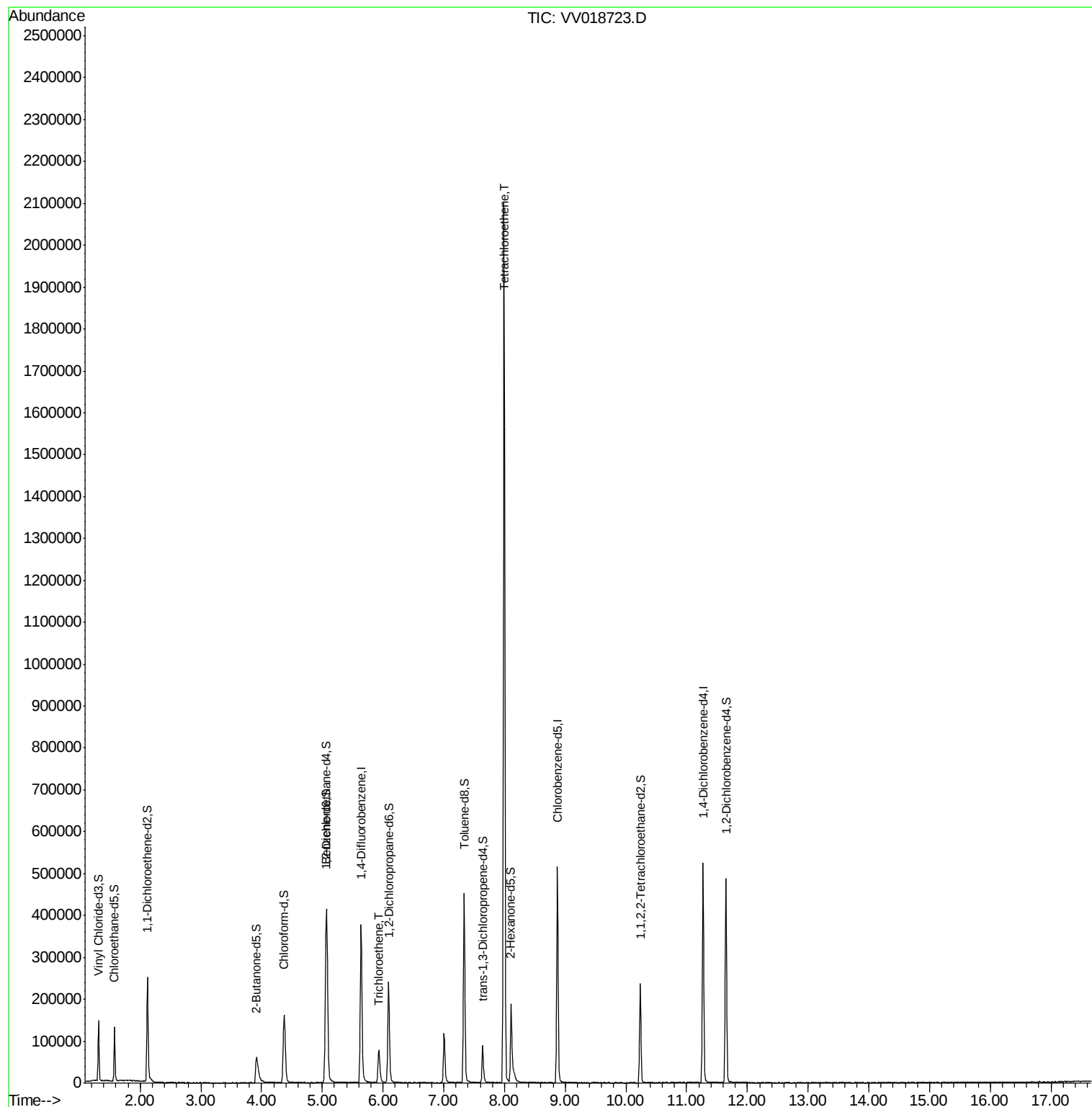
| Target Compounds      |      |     |        |              | Ovalue |
|-----------------------|------|-----|--------|--------------|--------|
| 34) Trichloroethene   | 5.94 | 95  | 17783  | 7.816 ug/L   | 94     |
| 46) Tetrachloroethene | 7.99 | 164 | 441229 | 239.036 ug/L | 96     |

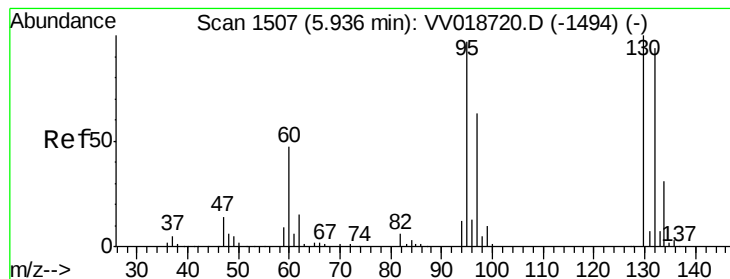
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Oct 08 02:46:20 2020  
Response via : Initial Calibration





#34

Trichloroethene

Concen: 7.816 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018723.D

Acq: 07 Oct 2020 12:10

Instrument :

MSVOA\_V

ClientSampleId :

BG3N9DL

Tot Ion: 95 Resp: 17783

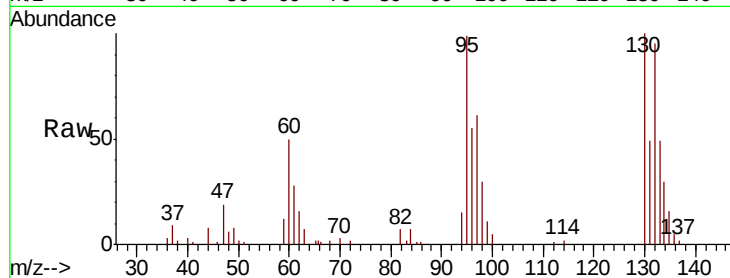
Ion Ratio Lower Upper

95 100

97 61.4 45.9 85.3

132 95.7 70.8 131.4

130 101.2 75.3 139.8

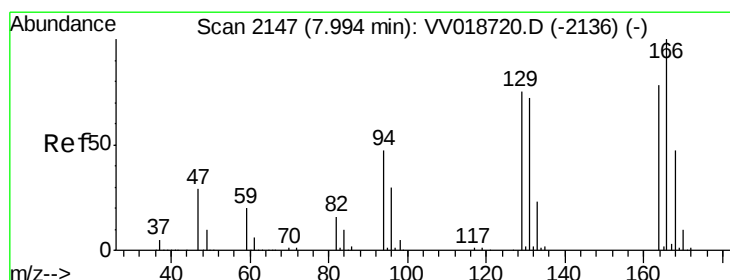
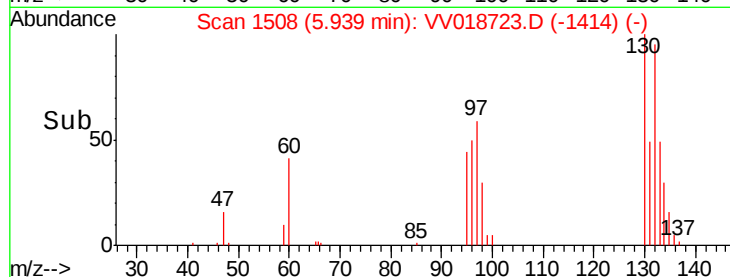
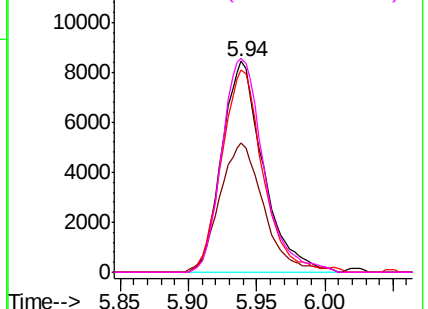


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 239.036 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV018723.D

Acq: 07 Oct 2020 12:10

Tgt Ion:164 Resp: 441229

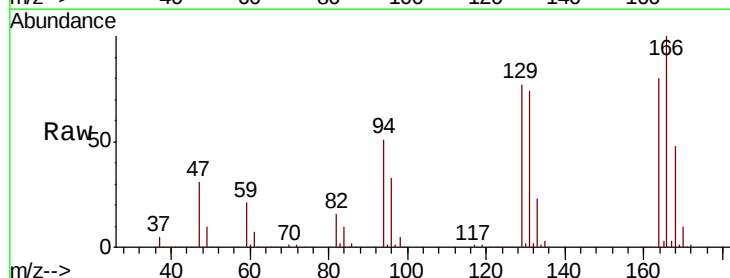
Ion Ratio Lower Upper

164 100

129 95.8 62.8 116.6

131 92.0 60.8 112.8

166 125.1 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

