

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV093020\  
 Data File : VV018561.D  
 Acq On : 30 Sep 2020 11:56  
 Operator : SY/MD  
 Sample : L4149-14DL 20X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3N8DL

Quant Time: Oct 01 08:10:12 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM092920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 01 07:39:17 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 334881   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 328732   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 166169   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 88061    | 44.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 89.68%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 86524    | 53.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 106.56% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 149222   | 37.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.58%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 145495   | 99.31    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 99.31%  |
| 24) Chloroform-d               | 4.38    | 84    | 201206   | 47.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.76%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 136775   | 50.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.46% |
| 32) Benzene-d6                 | 5.07    | 84    | 404924   | 48.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.26%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 125940   | 50.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.12% |
| 41) Toluene-d8                 | 7.34    | 98    | 369232   | 47.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.26%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 64352    | 47.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.70%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 86614    | 90.64    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 90.64%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 149388   | 44.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.58%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 165858   | 51.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.80% |

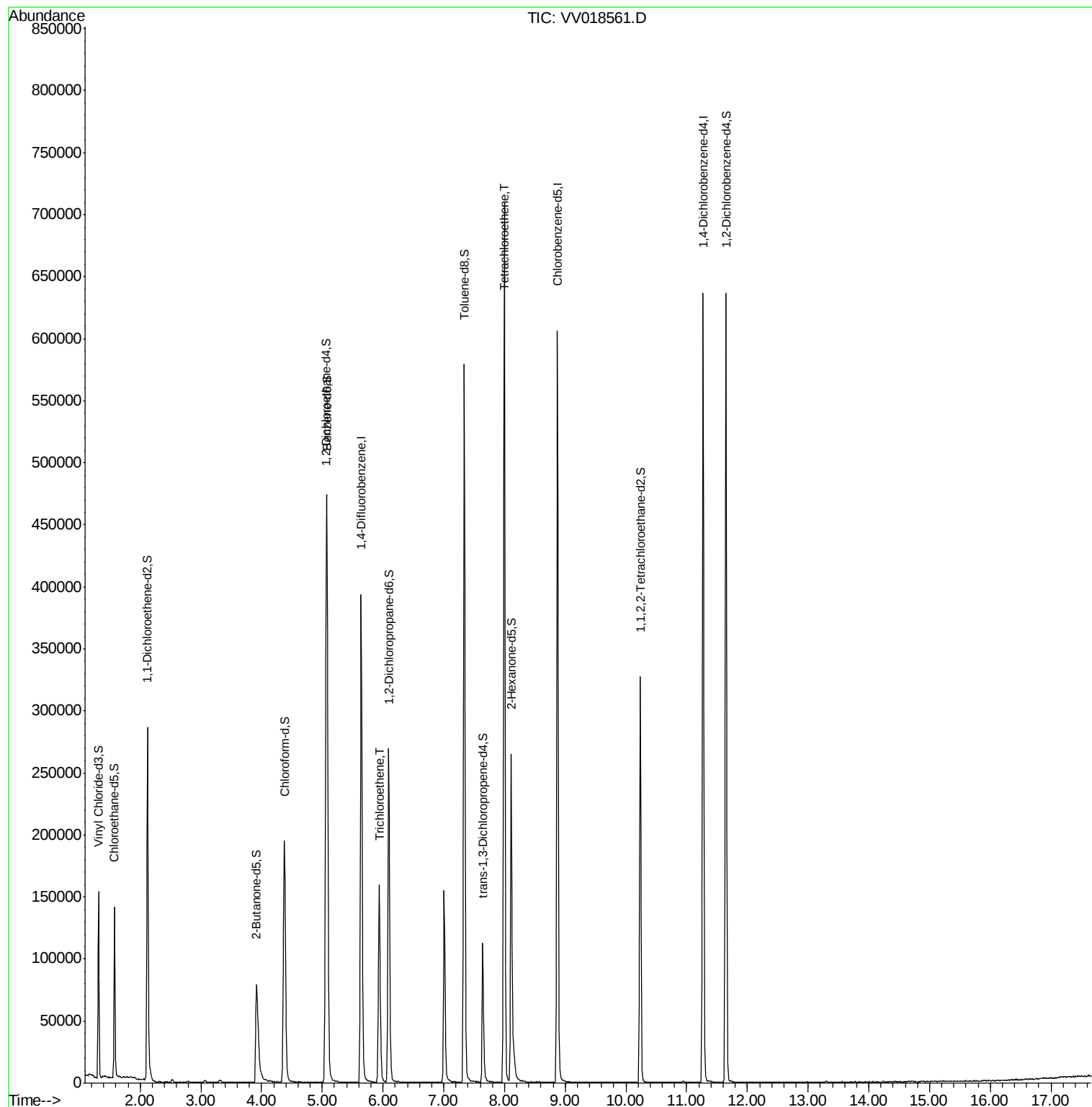
| Target Compounds      |      |     |        |             | Ovalue |
|-----------------------|------|-----|--------|-------------|--------|
| 34) Trichloroethene   | 5.94 | 95  | 48752  | 17.388 ug/L | 98     |
| 46) Tetrachloroethene | 8.00 | 164 | 158322 | 69.603 ug/L | 97     |

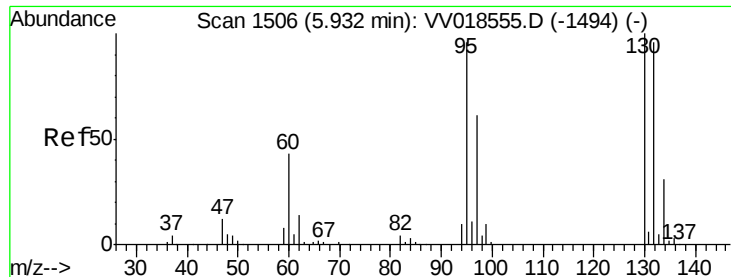
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Oct 01 07:39:17 2020  
Response via : Initial Calibration





#34

Trichloroethene

Concen: 17.388 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV018561.D

Acq: 30 Sep 2020 11:56

Instrument :

MSVOA\_V

ClientSampleId :

BG3N8DL

Tot Ion: 95 Resp: 48752

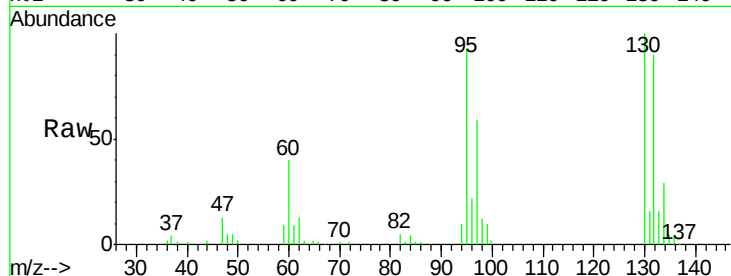
Ion Ratio Lower Upper

95 100

97 63.8 45.9 85.3

132 96.9 70.8 131.4

130 107.5 75.3 139.8



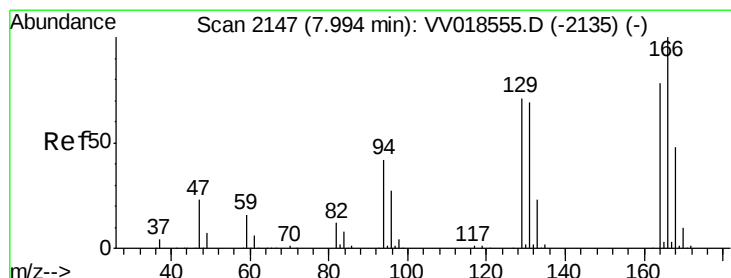
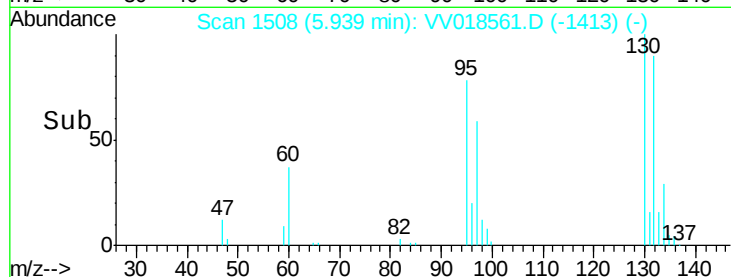
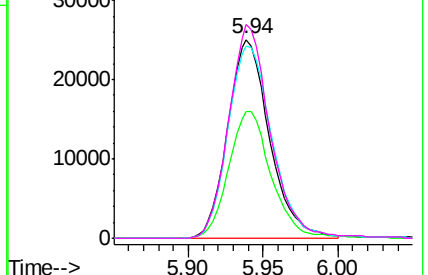
Abundance

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: 69.603 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018561.D

Acq: 30 Sep 2020 11:56

Tgt Ion: 164 Resp: 158322

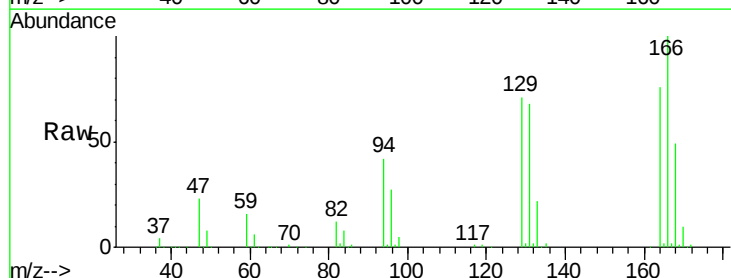
Ion Ratio Lower Upper

164 100

129 92.9 62.8 116.6

131 88.7 60.8 112.8

166 131.0 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

