

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101620\  
 Data File : VV018944.D  
 Acq On : 16 Oct 2020 18:01  
 Operator : SY/MD  
 Sample : L4426-03 200X  
 Misc : 5.0ml/MSVOA V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3Z4

Quant Time: Oct 17 06:51:07 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101420WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 17 05:56:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 299778   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 278008   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 130649   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 108376   | 43.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.84%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 93496    | 47.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 95.64%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 168770   | 36.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.46%  |
| 21) 2-Butanone-d5              | 3.90    | 46    | 172712   | 100.41   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 100.41% |
| 24) Chloroform-d               | 4.38    | 84    | 213977   | 48.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.52%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 150201   | 51.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.08% |
| 32) Benzene-d6                 | 5.07    | 84    | 416717   | 51.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.70% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 135856   | 52.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 104.70% |
| 41) Toluene-d8                 | 7.34    | 98    | 336371   | 46.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.40%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 58957    | 46.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.96%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 89377    | 92.72    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 92.72%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 134322   | 44.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.34%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 138762   | 52.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.40% |

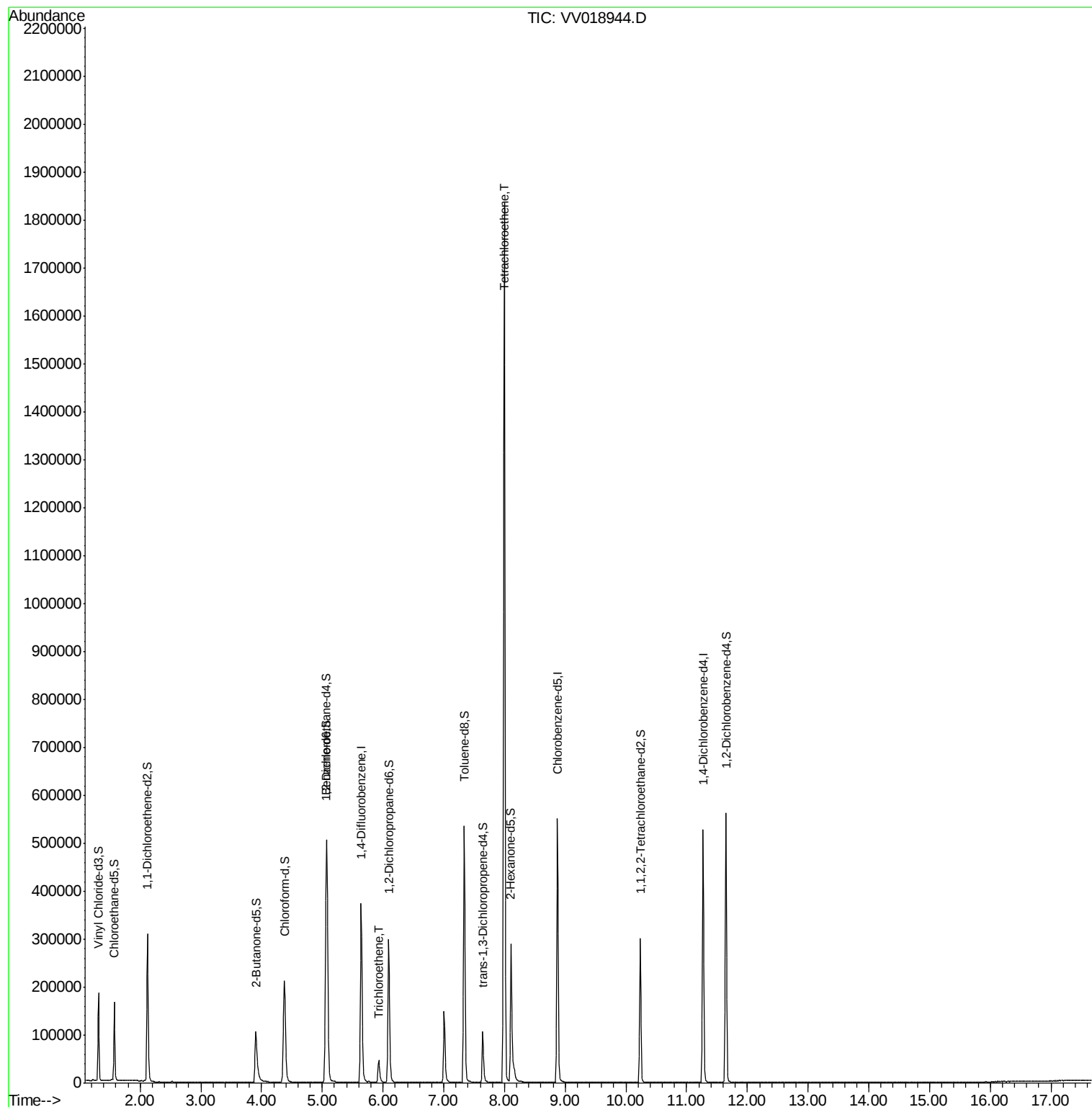
| Target Compounds      |      |     |        |              | Ovalue |
|-----------------------|------|-----|--------|--------------|--------|
| 34) Trichloroethene   | 5.95 | 95  | 1793   | 0.730 ug/L   | 88     |
| 46) Tetrachloroethene | 8.00 | 164 | 400936 | 231.489 ug/L | 98     |

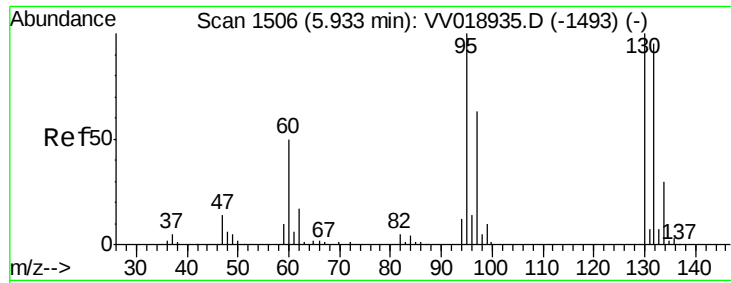
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Oct 17 05:56:05 2020  
Response via : Initial Calibration





#34

Trichloroethene

Concen: 0.730 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV018944.D

Acq: 16 Oct 2020 18:01

Instrument :

MSVOA\_V

ClientSampled :

BG3Z4

Tot Ion: 95 Resp: 1793

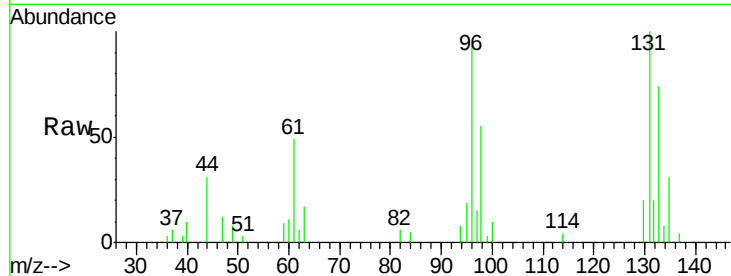
Ion Ratio Lower Upper

95 100

97 80.8 44.7 82.9

132 108.3 67.0 124.4

130 106.7 70.8 131.6

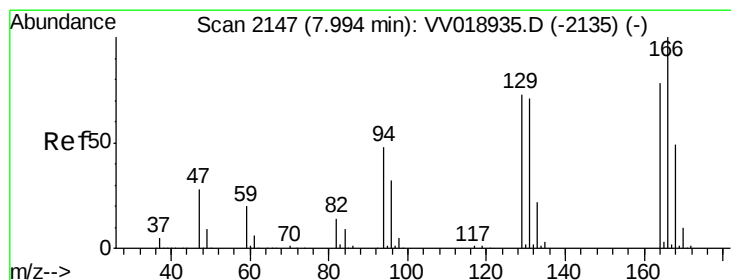
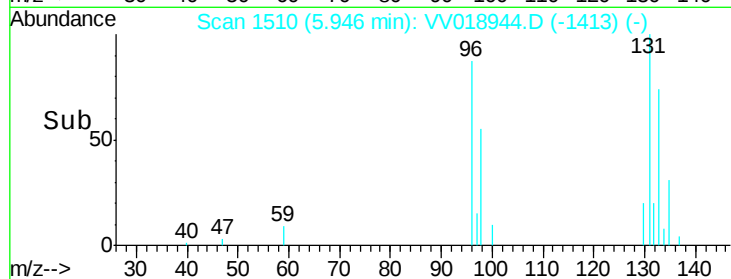
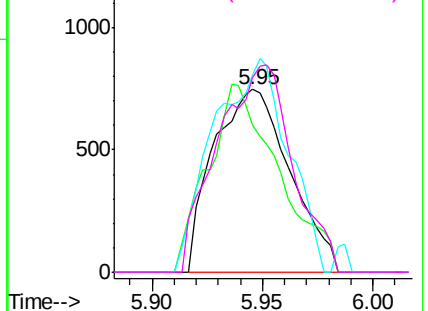


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 231.489 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018944.D

Acq: 16 Oct 2020 18:01

Tgt Ion:164 Resp: 400936

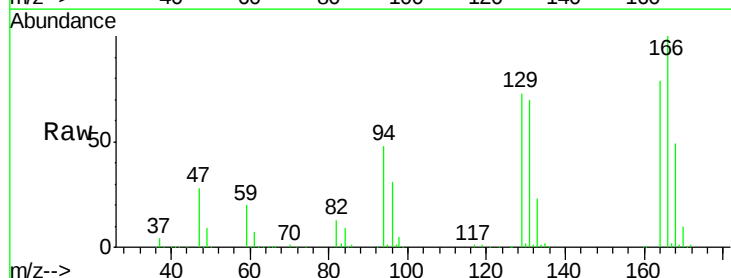
Ion Ratio Lower Upper

164 100

129 92.4 65.0 120.8

131 89.0 62.9 116.7

166 126.7 91.1 169.3



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

