

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV103020\  
 Data File : VV019181.D  
 Acq On : 30 Oct 2020 13:52  
 Operator : SY/MD  
 Sample : L4502-21ME  
 Misc : 5.65g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG444ME

Quant Time: Oct 31 02:39:34 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM102920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 31 02:55:48 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 265198   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 265519   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 133617   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 88242    | 41.87    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 83.74% |
| 7) Chloroethane-d5             | 1.58    | 69    | 69672    | 42.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 85.10% |
| 11) 1,1-Dichloroethene-d2      | 2.10    | 63    | 138968   | 34.66    | ug/L | -0.03  |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.32% |
| 21) 2-Butanone-d5              | 3.92    | 46    | 109813   | 85.07    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 85.07% |
| 24) Chloroform-d               | 4.37    | 84    | 176513   | 45.02    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.04% |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 129954   | 47.57    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.14% |
| 32) Benzene-d6                 | 5.07    | 84    | 344205   | 45.70    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.40% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 103789   | 46.21    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 92.42% |
| 41) Toluene-d8                 | 7.33    | 98    | 324350   | 44.83    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.66% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 57934    | 44.58    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.16% |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 86812    | 89.26    | ug/L | 0.04   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 89.26% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 131007   | 43.26    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 86.52% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 138351   | 49.28    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.56% |

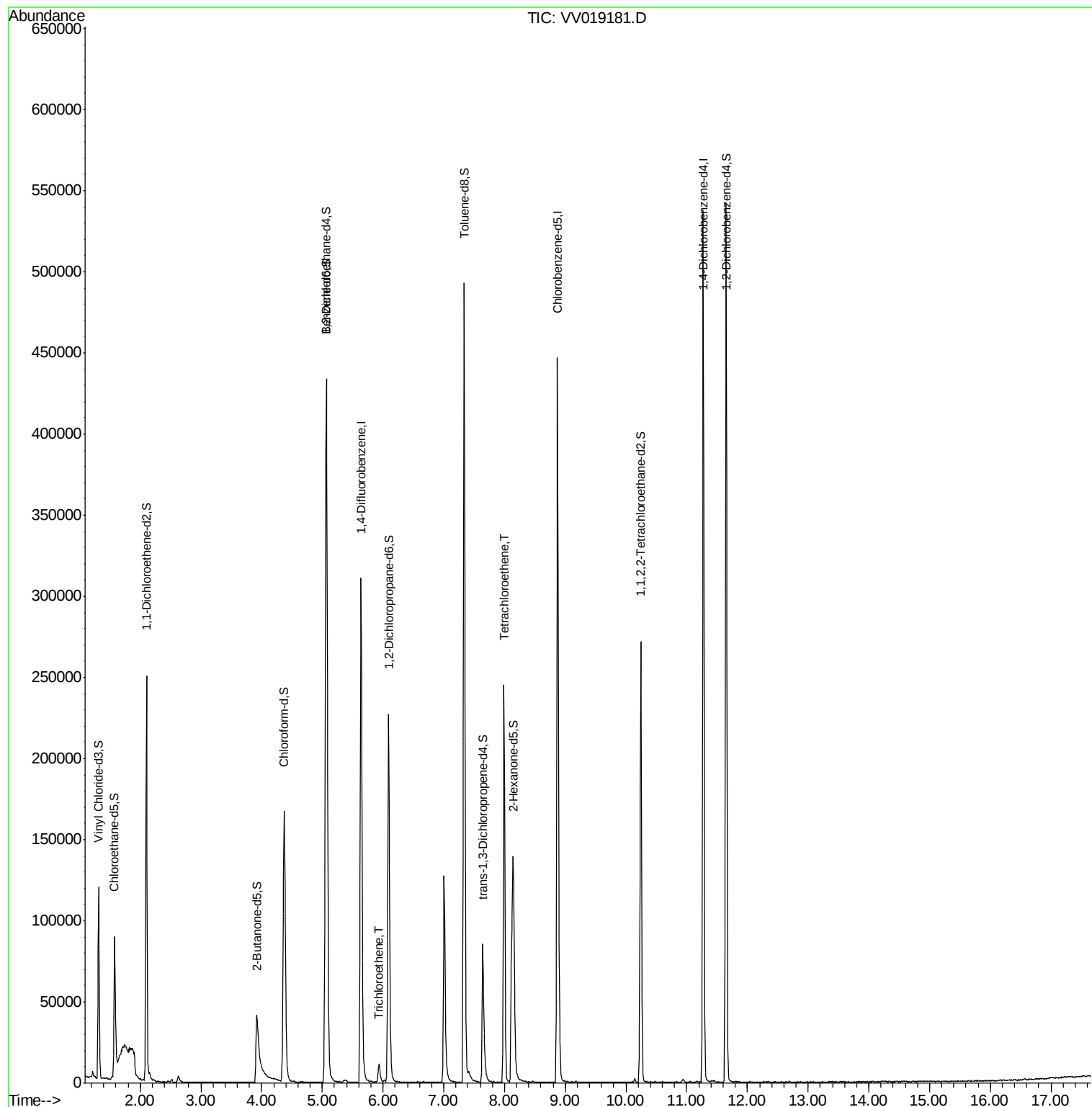
| Target Compounds      |      |     |       |             | Ovalue |
|-----------------------|------|-----|-------|-------------|--------|
| 34) Trichloroethene   | 5.95 | 95  | 2059  | 0.982 ug/L  | 93     |
| 46) Tetrachloroethene | 7.99 | 164 | 54397 | 30.375 ug/L | 98     |

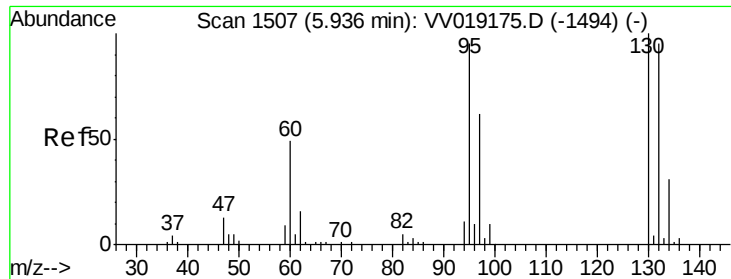
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Oct 31 02:55:48 2020  
Response via : Initial Calibration





#34

Trichloroethene

Concen: 0.982 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV019181.D

Acq: 30 Oct 2020 13:52

Instrument :

MSVOA\_V

ClientSampleId :

BG444ME

Tot Ion: 95 Resp: 2059

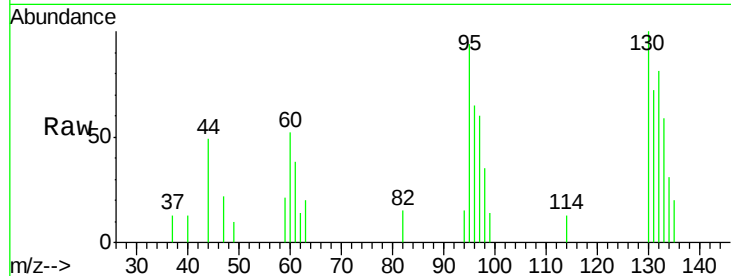
Ion Ratio Lower Upper

95 100

97 64.2 43.4 80.6

132 87.0 69.7 129.4

130 106.9 72.4 134.5

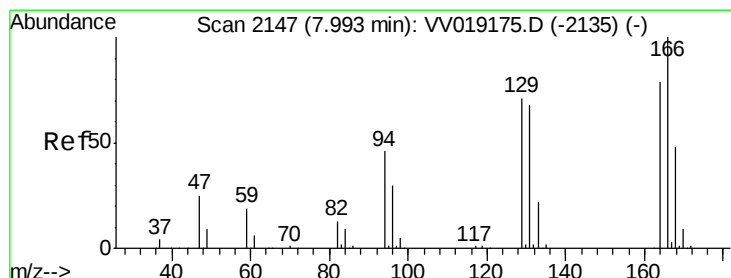
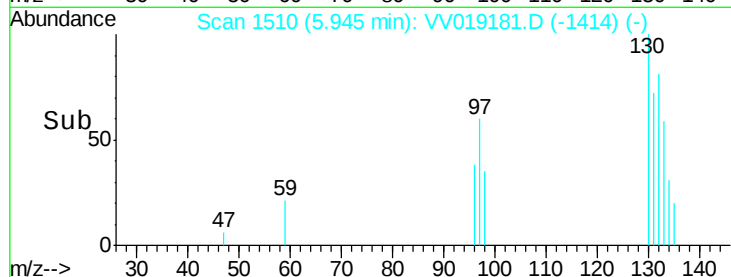
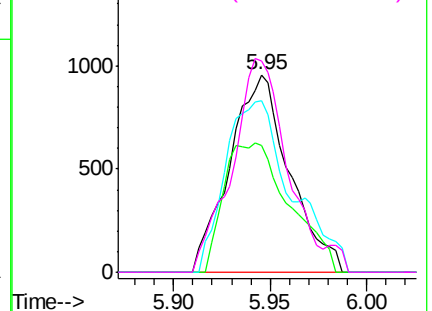


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 30.375 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VV019181.D

Acq: 30 Oct 2020 13:52

Tgt Ion: 164 Resp: 54397

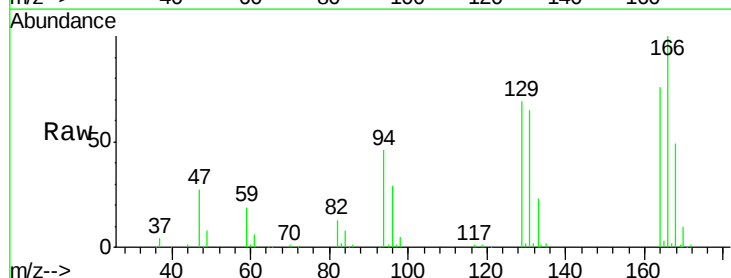
Ion Ratio Lower Upper

164 100

129 91.1 63.2 117.4

131 85.3 60.3 112.1

166 131.4 88.3 163.9



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

