

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\  
 Data File : VU030712.D  
 Acq On : 05 Apr 2019 02:40  
 Operator : JC/SP  
 Sample : K2276-20 50X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF1C4

Quant Time: Apr 05 04:50:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 05 02:15:56 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 498706   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 486715   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 203738   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 243725   | 54.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 109.50% |
| 7) Chloroethane-d5             | 1.68    | 69    | 186823   | 55.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 110.58% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 325539   | 40.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 80.86%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 379506   | 107.56   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 107.56% |
| 24) Chloroform-d               | 4.64    | 84    | 335373   | 49.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.64%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 236763   | 51.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.04% |
| 32) Benzene-d6                 | 5.34    | 84    | 735306   | 51.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.50% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 252133   | 51.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 103.56% |
| 41) Toluene-d8                 | 7.56    | 98    | 630210   | 50.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.08% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 104418   | 47.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.06%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 228697   | 102.76   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 102.76% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 329264   | 50.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 100.26% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 216996   | 54.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.32% |

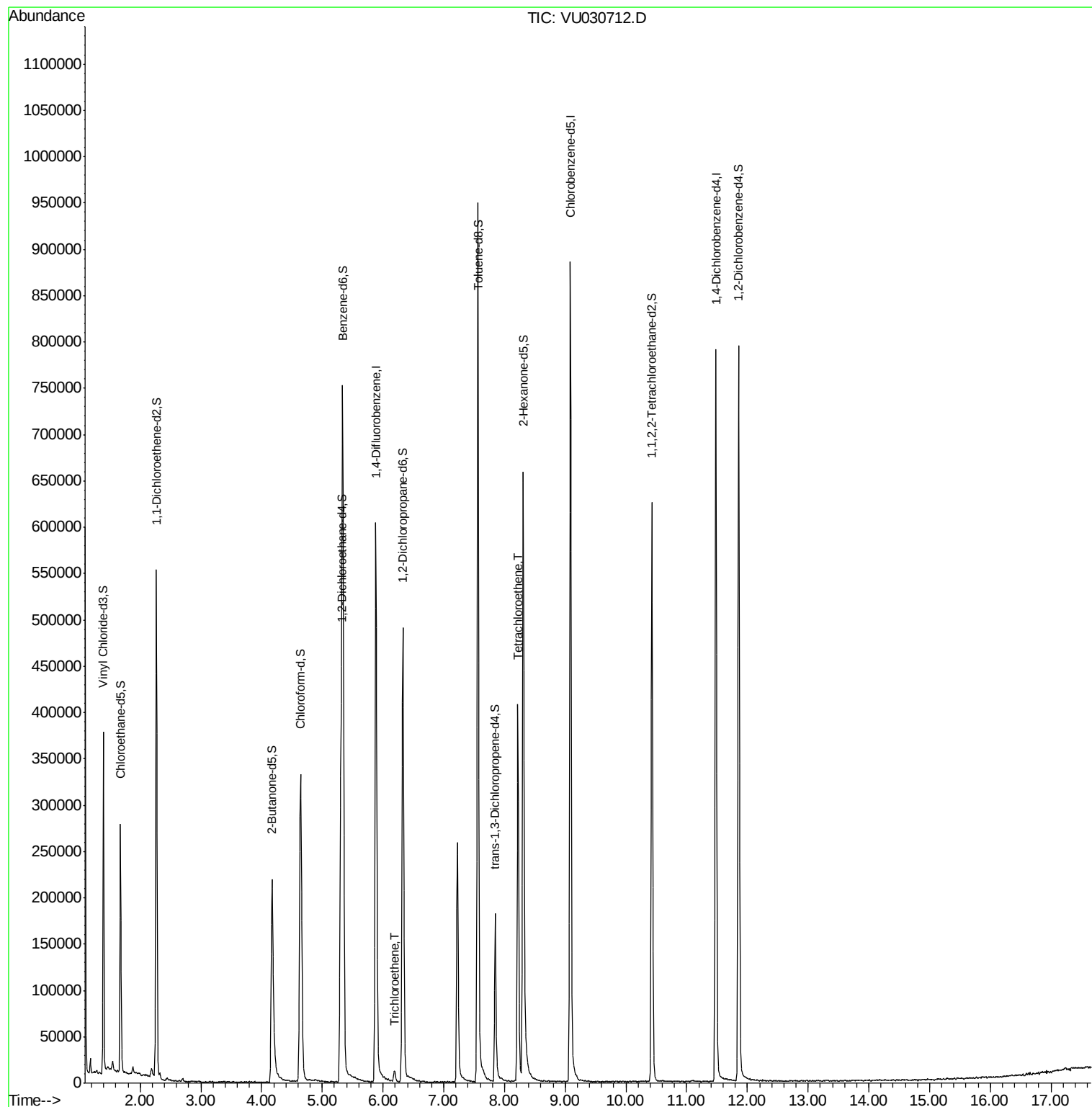
| Target Compounds      |      |     |       |             | Ovalue |
|-----------------------|------|-----|-------|-------------|--------|
| 34) Trichloroethene   | 6.19 | 95  | 4328  | 1.108 ug/L  | 93     |
| 46) Tetrachloroethene | 8.22 | 164 | 89287 | 31.438 ug/L | 97     |

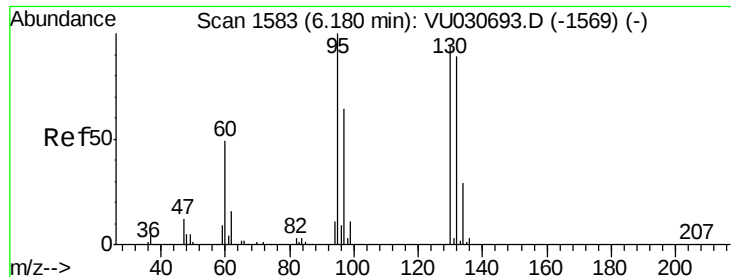
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Apr 05 02:15:56 2019  
Response via : Initial Calibration





#34

Trichloroethene

Concen: 1.108 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU030712.D

Acq: 05 Apr 2019 02:40

Instrument :

MSVOA\_U

ClientSampleId :

BF1C4

Tot Ion: 95 Resp: 4328

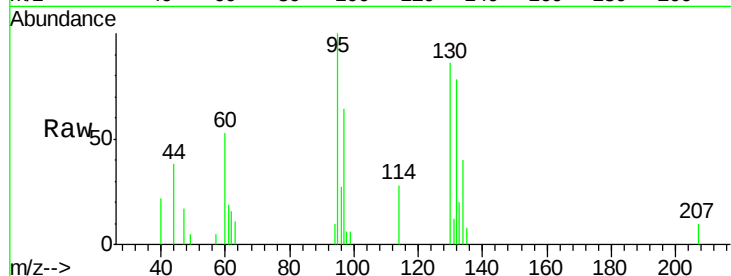
Ion Ratio Lower Upper

95 100

97 63.9 44.5 82.7

132 78.2 61.5 114.1

130 85.5 64.9 120.5

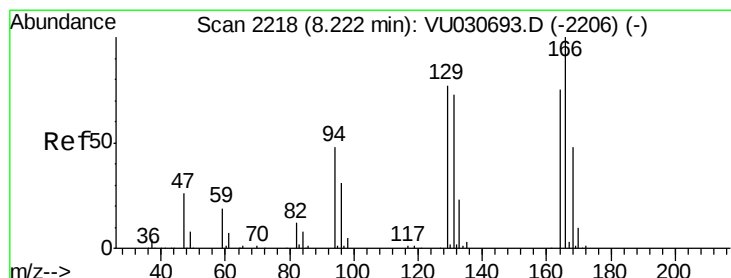
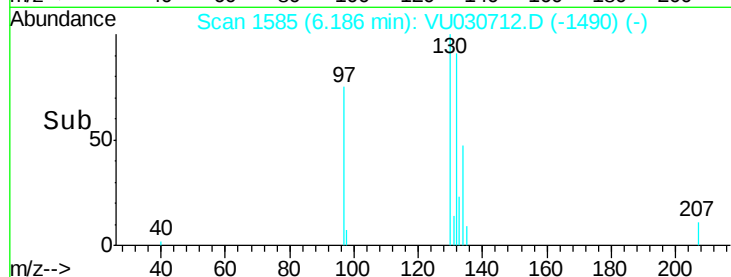
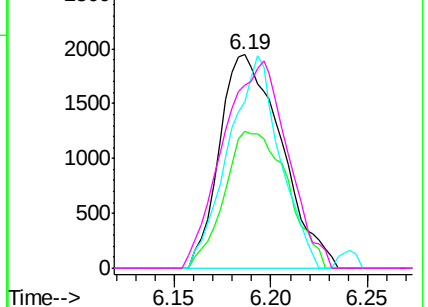


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 31.438 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU030712.D

Acq: 05 Apr 2019 02:40

Tgt Ion: 164 Resp: 89287

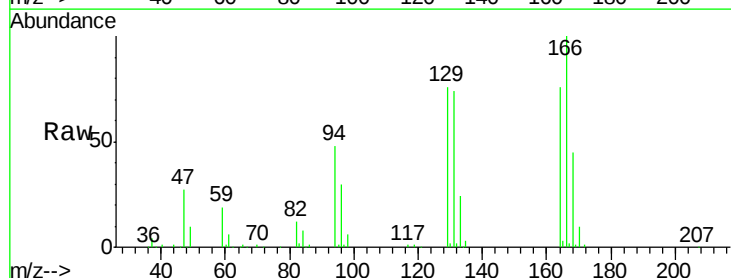
Ion Ratio Lower Upper

164 100

129 99.6 67.4 125.2

131 97.4 65.9 122.5

166 130.8 88.6 164.6



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

