

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU031519\  
 Data File : VU030023.D  
 Acq On : 13 Mar 2019 12:04  
 Operator : JC/SP  
 Sample : K1838-13DL 50X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF1B2DL

Quant Time: Mar 14 02:46:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031319WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 14 01:36:14 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 486479   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 468823   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 220374   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 152685   | 47.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 94.90%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 128488   | 49.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 98.94%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 210698   | 36.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.56%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 238942   | 99.11    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 99.11%  |
| 24) Chloroform-d               | 4.65    | 84    | 281643   | 48.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.58%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 171654   | 51.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.96% |
| 32) Benzene-d6                 | 5.34    | 84    | 605684   | 50.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.38% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 191623   | 51.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 103.76% |
| 41) Toluene-d8                 | 7.56    | 98    | 557942   | 49.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.74%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 86412    | 48.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.60%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 204856   | 99.12    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 99.12%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 278853   | 49.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.26%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 220452   | 51.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.28% |

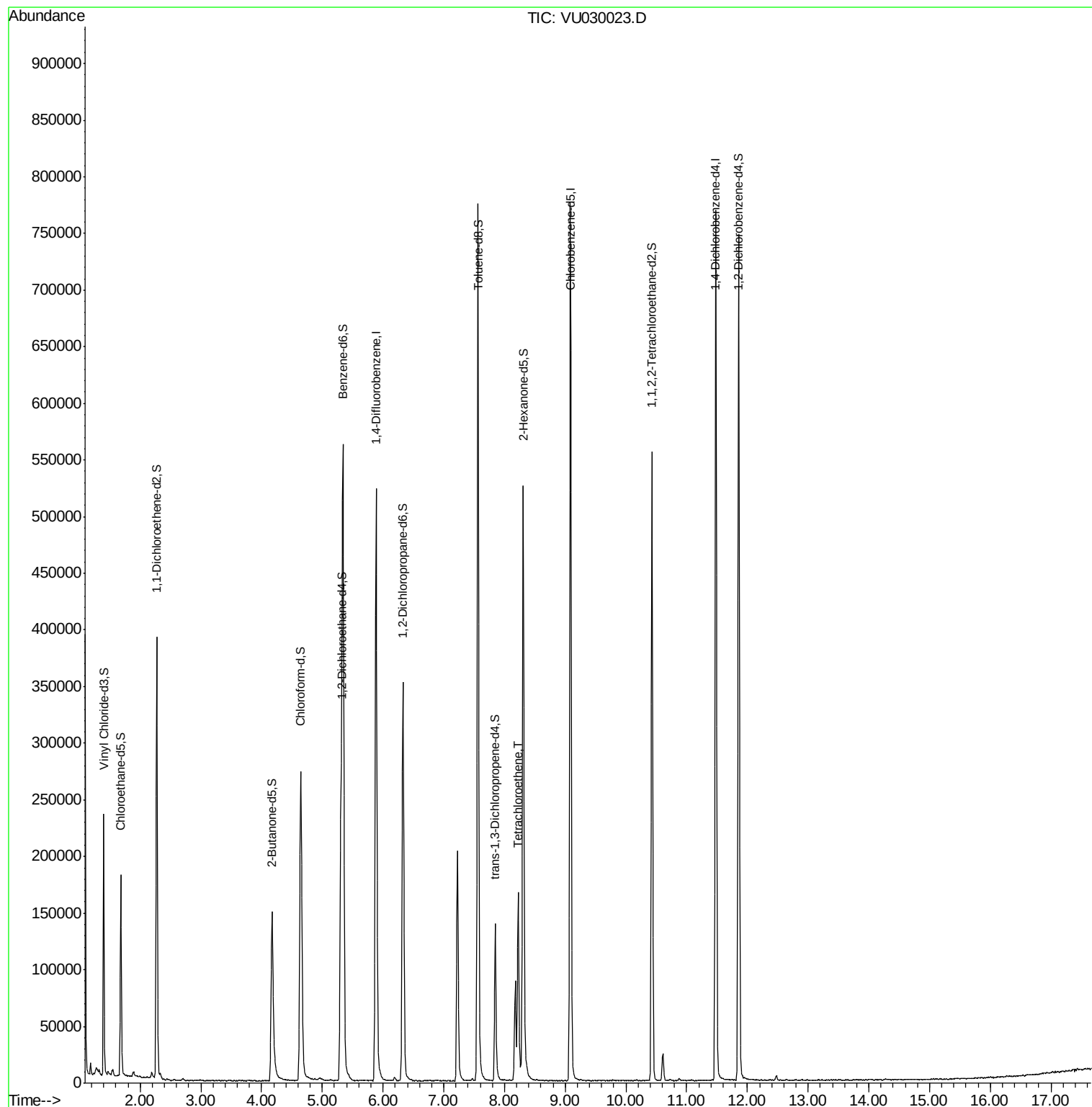
| Target Compounds      |      |     |       |             | Qvalue |
|-----------------------|------|-----|-------|-------------|--------|
| 46) Tetrachloroethene | 8.22 | 164 | 40128 | 13.041 ug/L | 98     |

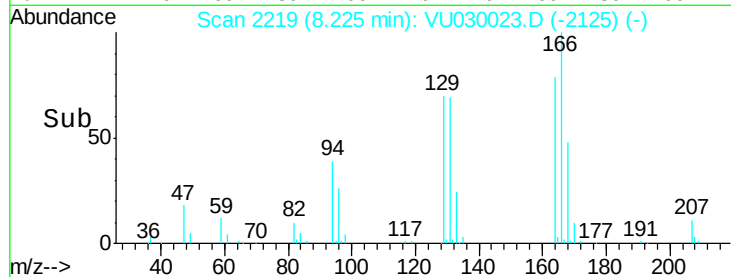
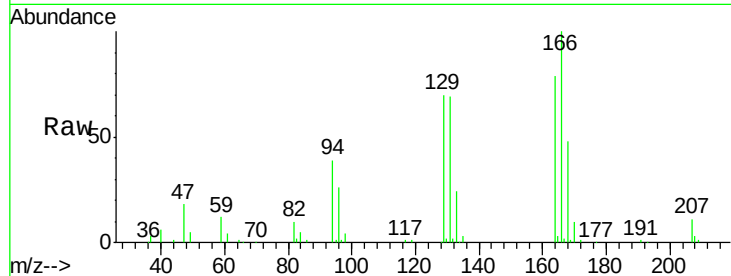
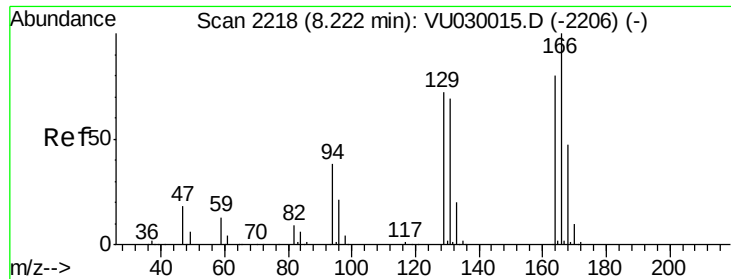
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 14 01:36:14 2019  
Response via : Initial Calibration





#46

Tetrachloroethene

Concen: 13.041 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030023.D

Acq: 13 Mar 2019 12:04

Instrument :

MSVOA\_U

ClientSampleId :

BF1B2DL

Tgt Ion:164 Resp: 40128

Ion Ratio Lower Upper

164 100

129 88.7 63.3 117.7

131 87.3 62.0 115.2

166 126.2 90.5 168.1

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

