

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031819\  
 Data File : VU030167.D  
 Acq On : 18 Mar 2019 12:36  
 Operator : JC/SP  
 Sample : K1936-10DL 200X  
 Misc : 5.78g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF0W8DL

Quant Time: Mar 19 02:24:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031319WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Mar 12 08:53:05 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 483600   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 471515   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 225180   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 127449   | 39.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 79.68%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 116787   | 45.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 90.46%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 181064   | 31.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 62.72%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 274998   | 114.74   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 114.74% |
| 24) Chloroform-d               | 4.65    | 84    | 273151   | 47.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 168221   | 50.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.50% |
| 32) Benzene-d6                 | 5.34    | 84    | 566779   | 46.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 186542   | 50.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.44% |
| 41) Toluene-d8                 | 7.56    | 98    | 498661   | 43.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.74%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 83802    | 46.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 93.14%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 225438   | 108.46   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 108.46% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 295794   | 51.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 103.64% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 219273   | 50.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.54% |

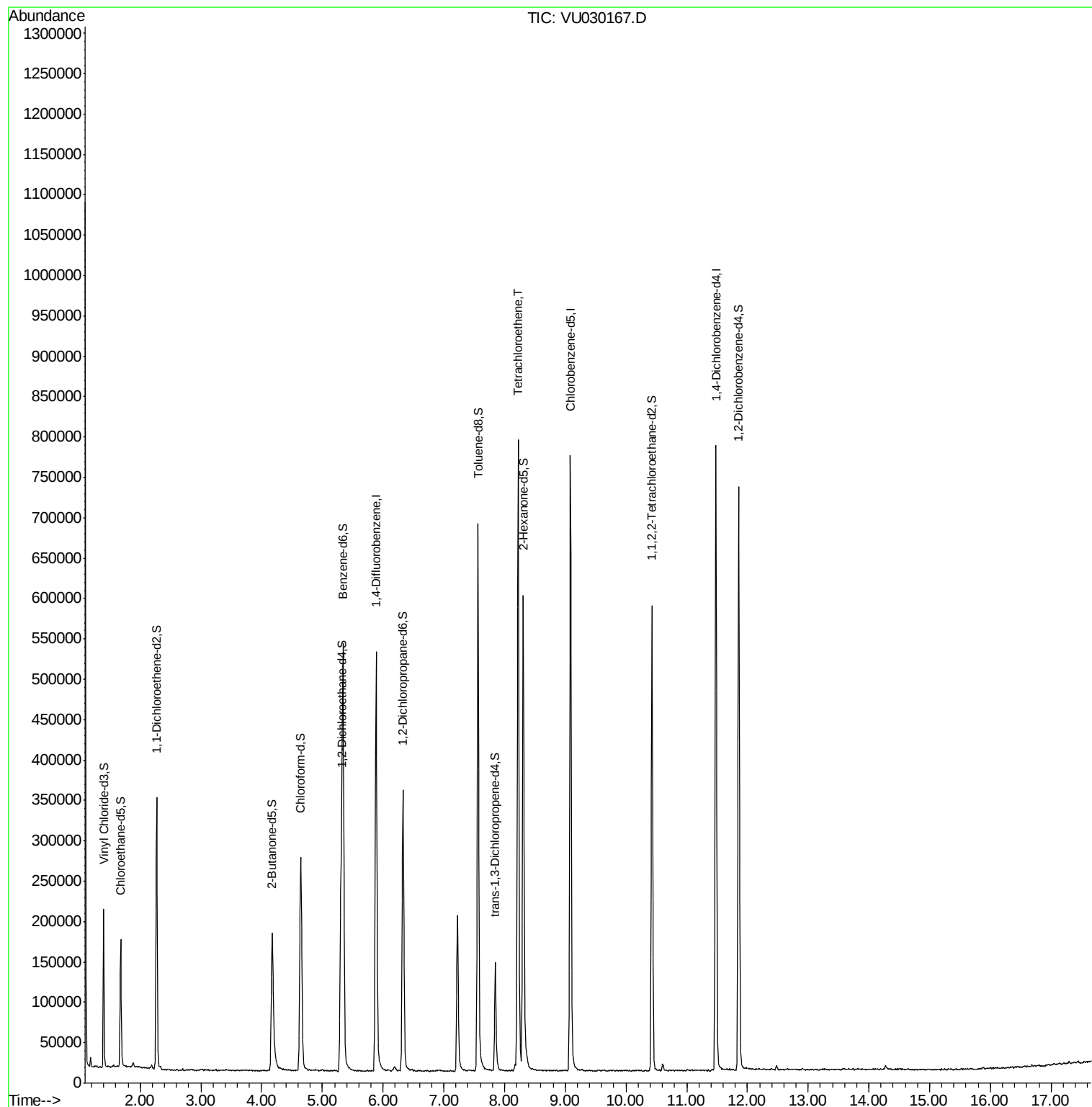
| Target Compounds      |      |     |        |             | Ovalue |
|-----------------------|------|-----|--------|-------------|--------|
| 46) Tetrachloroethene | 8.22 | 164 | 197154 | 63.707 ug/L | 100    |

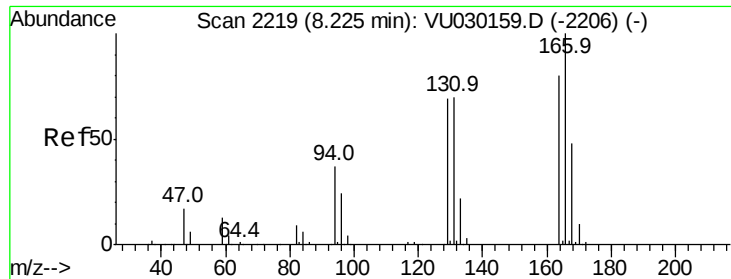
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#46

Tetrachloroethene

Concen: 63.707 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU030167.D

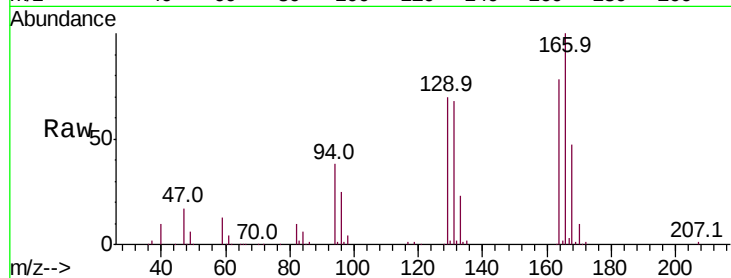
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Instrument :

MSVOA\_U

ClientSampleId :

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Tot Ion:164 Resp: 197154

Ion Ratio Lower Upper

164 100

129 89.9 63.3 117.7

131 88.1 62.0 115.2

166 128.9 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

