

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\  
 Data File : VU030743.D  
 Acq On : 05 Apr 2019 15:06  
 Operator : JC/SP  
 Sample : K2269-05 100X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 60 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0BR7

Manual Integrations  
 APPROVED

MMDadoda  
 4/6/2019 11:08:43 AM

Quant Time: Apr 06 01:57:45 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 05 23:39:17 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 272409   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 268430   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 106797   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 116366   | 47.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 95.70%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 94589    | 51.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 102.50% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 164280   | 37.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.70%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 215726   | 111.93   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 111.93% |
| 24) Chloroform-d               | 4.64    | 84    | 184114   | 49.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.12%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 131726   | 51.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.94% |
| 32) Benzene-d6                 | 5.34    | 84    | 386057   | 49.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.54%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 132539   | 49.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 98.70%  |
| 41) Toluene-d8                 | 7.56    | 98    | 324328   | 46.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.38%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 57061    | 46.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 93.20%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 115850   | 94.39    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 94.39%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 185409   | 51.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 102.36% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 108102   | 51.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.94% |

| Target Compounds      |      |     |       | Ovalue     |
|-----------------------|------|-----|-------|------------|
| 46) Tetrachloroethene | 8.22 | 164 | 1217m | 0.777 ug/L |

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

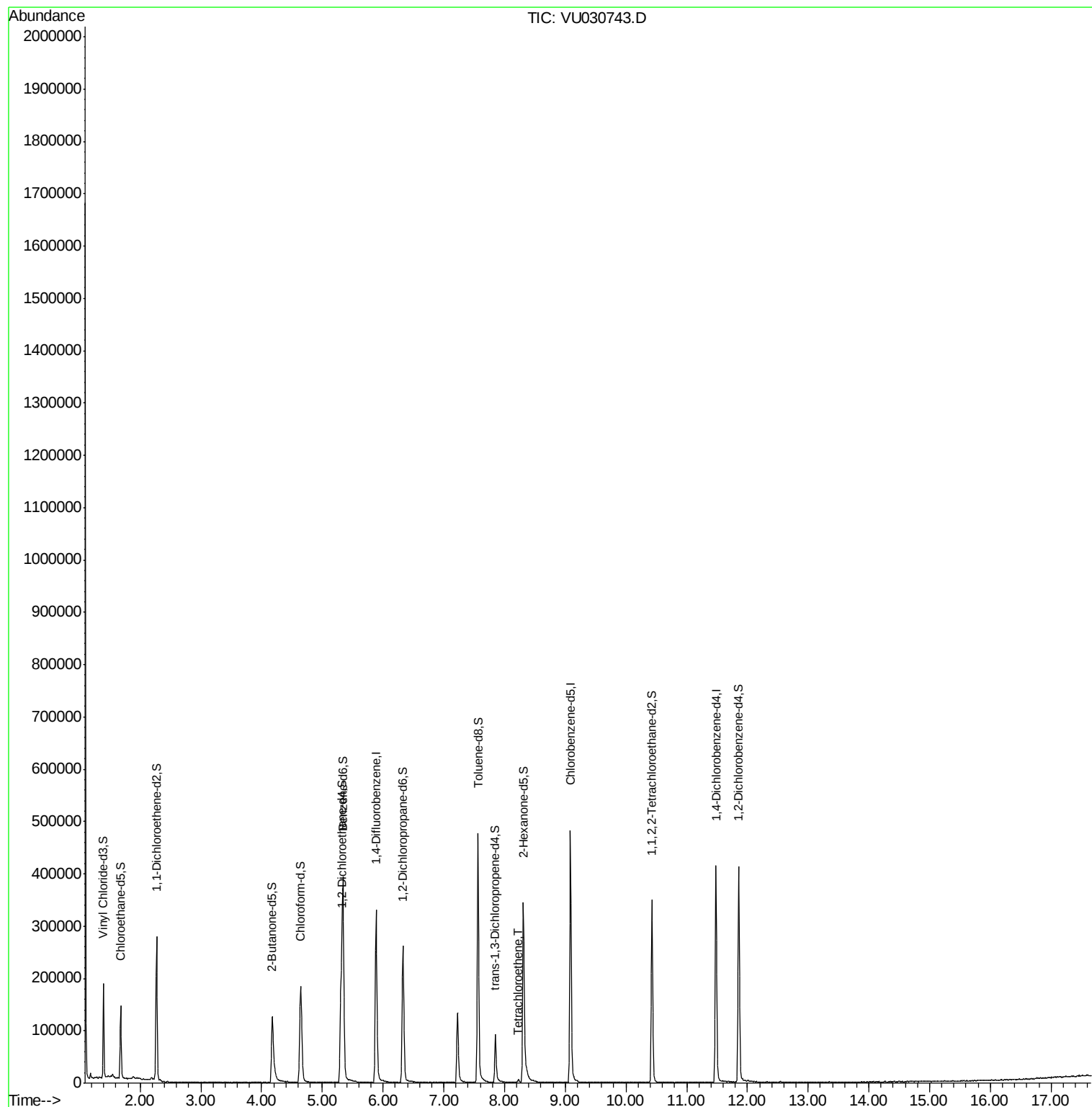
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU040519\  
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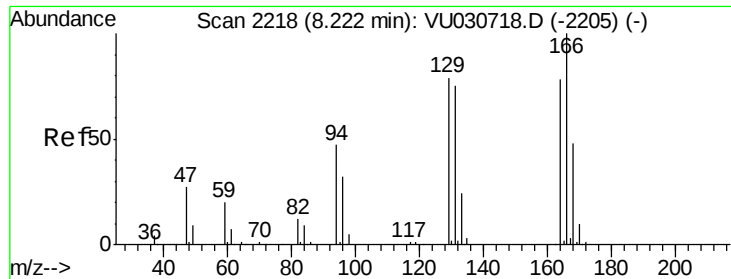
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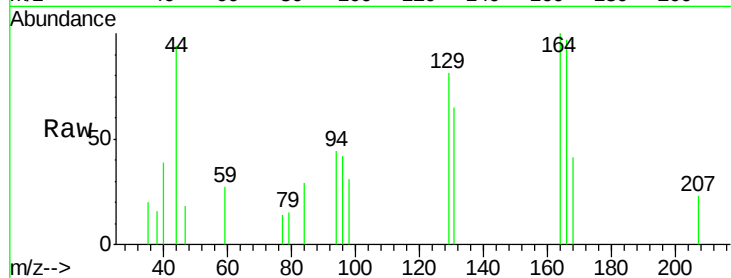
#46  
 Tetrachloroethene  
 Concen: 0.777 ug/L m  
 RT: 8.22 min Scan# 2218  
 Delta R.T. -0.00 min  
 Lab File: VU030743.D  
 Acq: 05 Apr 2019 15:06

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
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|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 1217   |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 129       | 81.5  | 67.4  | 125.2  |
| 131       | 64.7  | 65.9  | 122.5# |
| 166       | 96.8  | 88.6  | 164.6  |

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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

