

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\  
 Data File : VU030704.D  
 Acq On : 04 Apr 2019 23:37  
 Operator : JC/SP  
 Sample : K2246-05  
 Misc : 5.64g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF152

Manual Integrations  
 APPROVED

MMDadoda  
 4/5/2019 10:21:18 AM

Quant Time: Apr 05 04:09:17 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  | 527524   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 514526   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 255445   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 200868   | 42.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 85.32%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 132185m  | 36.98    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 73.96%  |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 292102   | 34.30    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 68.60%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 338664   | 90.74    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 90.74%  |
| 24) Chloroform-d               | 4.64    | 84    | 312812   | 43.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.98%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 222538   | 45.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.68%  |
| 32) Benzene-d6                 | 5.33    | 84    | 699704   | 46.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.16%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 237500   | 46.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 92.28%  |
| 41) Toluene-d8                 | 7.56    | 98    | 612259   | 45.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.98%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 105976   | 45.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 90.30%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 250490   | 106.47   | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 106.47% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 349762   | 50.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 100.74% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 235958   | 46.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.94%  |

| Target Compounds      |      |     |       |             | Ovalue |
|-----------------------|------|-----|-------|-------------|--------|
| 46) Tetrachloroethene | 8.22 | 164 | 60040 | 19.997 ug/L | 97     |

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

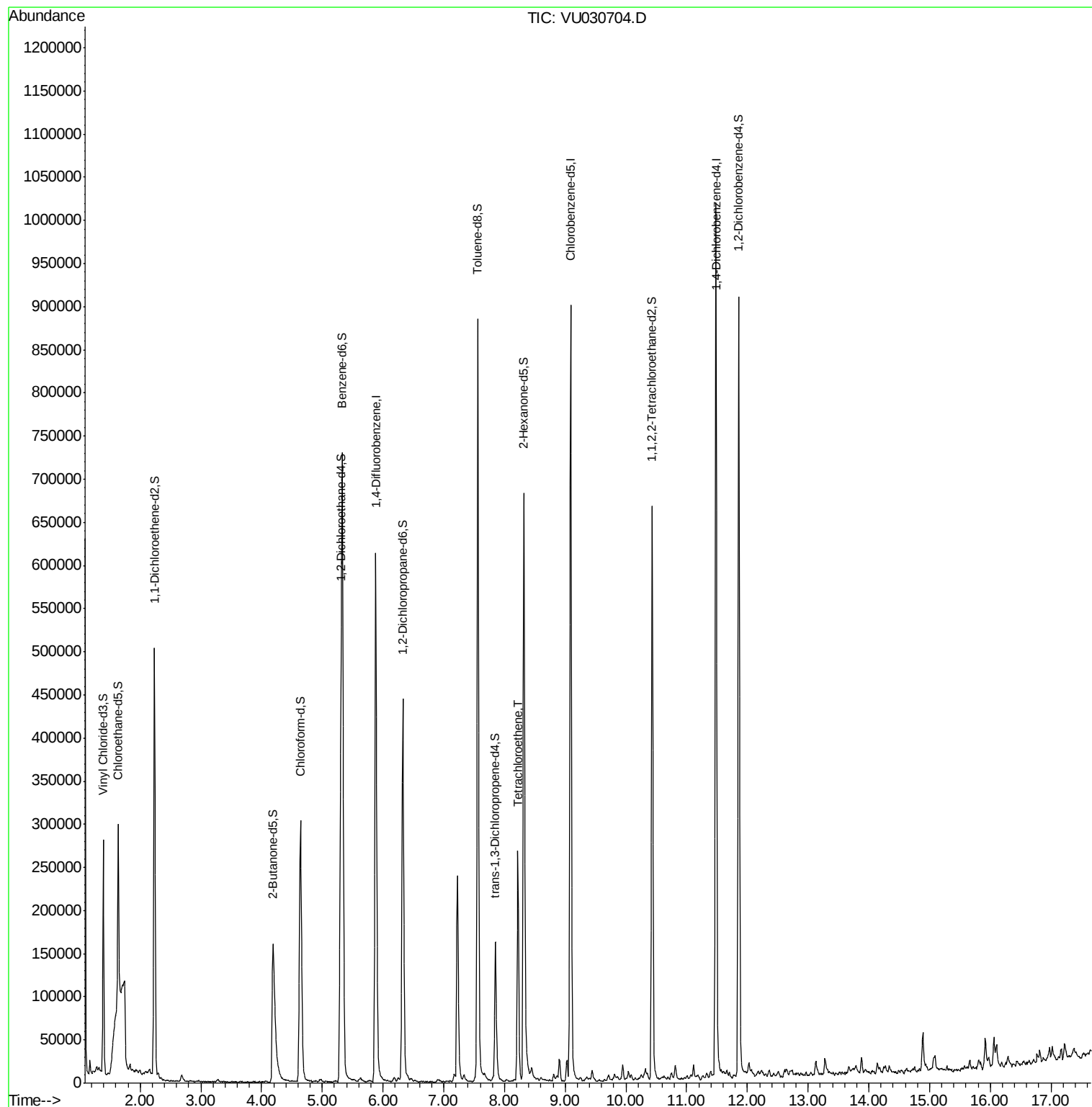
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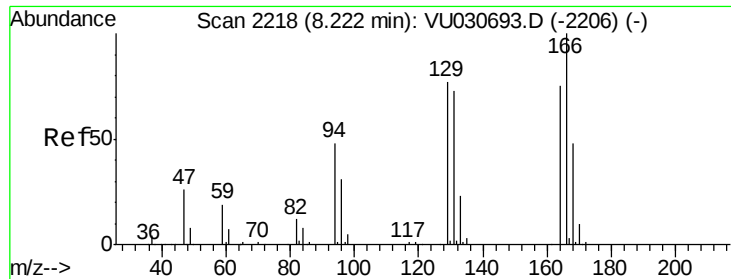
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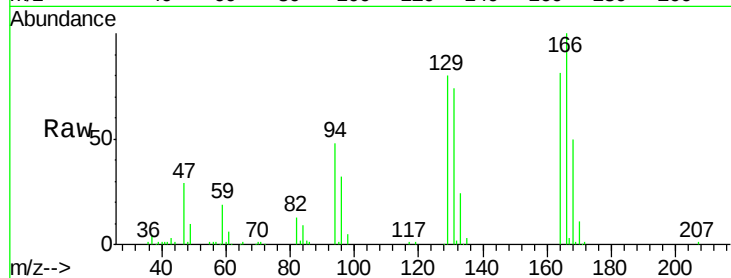
#46  
Tetrachloroethene  
Concen: 19.997 ug/L  
RT: 8.22 min Scan# 2219  
Delta R.T. 0.00 min  
Lab File: VU030704.D  
Acq: 04 Apr 2019 23:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
BF152

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 129     | 98.6  | 67.4  | 125.2 |
| 131     | 90.8  | 65.9  | 122.5 |
| 166     | 122.8 | 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

