

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041219\  
 Data File : VU031131.D  
 Acq On : 12 Apr 2019 16:18  
 Operator : JC/SP  
 Sample : K2354-01ME  
 Misc : 5.71g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF2T3ME

Manual Integrations  
 APPROVED

MMDadoda  
 4/15/2019 12:51:03 PM

Quant Time: Apr 13 01:51:17 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 13 01:01:33 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 508012   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 505408   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 242960   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 112825   | 24.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 49.76%# |
| 7) Chloroethane-d5             | 1.64    | 69    | 97808m   | 28.42    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 56.84%# |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 184368   | 22.48    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 44.96%# |
| 21) 2-Butanone-d5              | 4.19    | 46    | 328419   | 91.38    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 91.38%  |
| 24) Chloroform-d               | 4.64    | 84    | 263629   | 38.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 76.12%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 196079   | 41.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 82.96%  |
| 32) Benzene-d6                 | 5.33    | 84    | 526423   | 35.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 71.36%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 192224   | 38.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 76.04%  |
| 41) Toluene-d8                 | 7.56    | 98    | 439917   | 33.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 67.28%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 86891    | 37.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 75.38%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 224431   | 97.11    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 97.11%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 324953   | 47.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.28%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 203520   | 42.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 85.18%  |

| Target Compounds      |      |     |       |            | Ovalue |
|-----------------------|------|-----|-------|------------|--------|
| 46) Tetrachloroethene | 8.22 | 164 | 25768 | 8.737 ug/L | 96     |

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

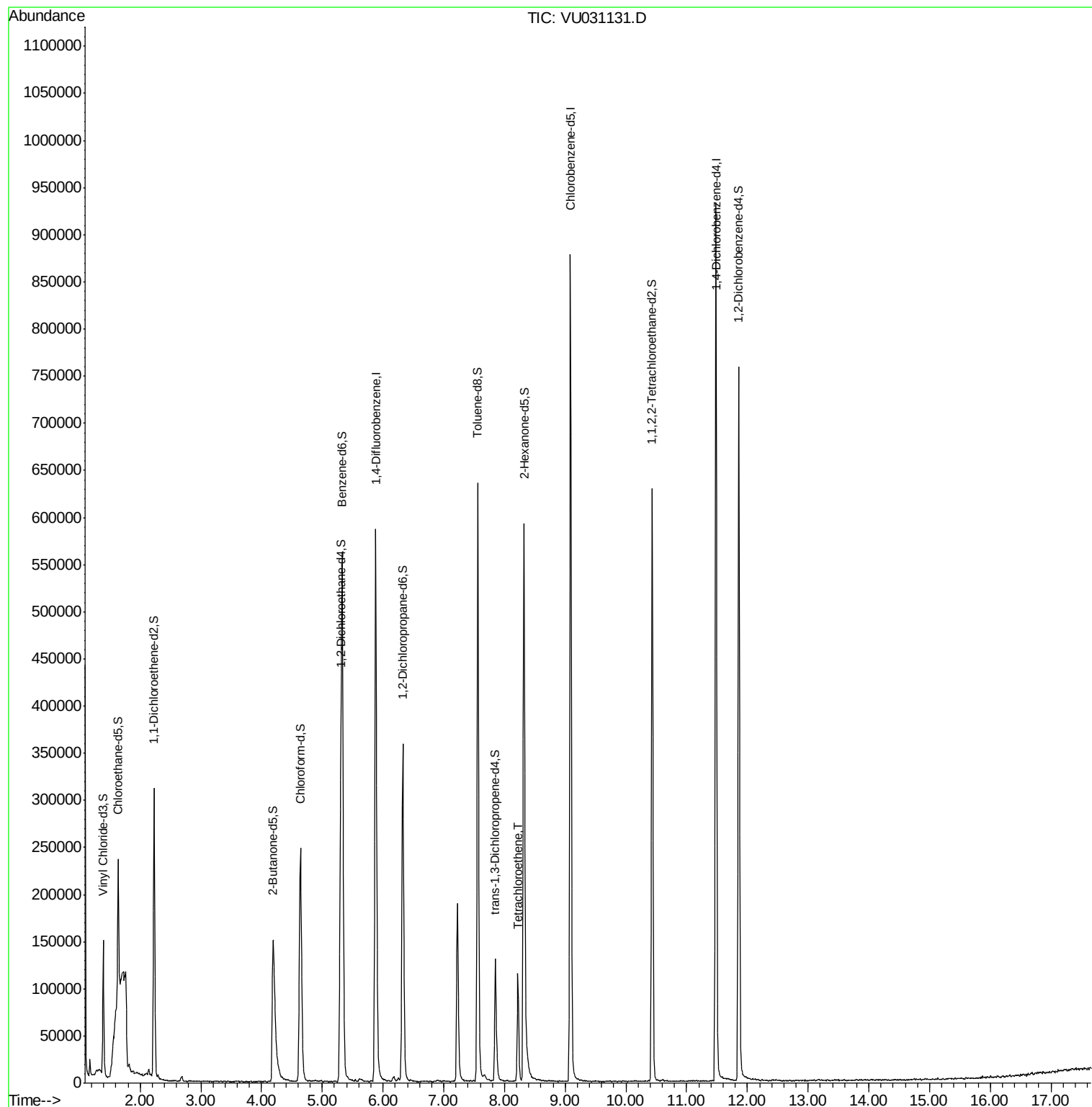
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU041219\  
Data File : VU031131.D  
Acq On : 12 Apr 2019 16:18  
Operator : JC/SP  
Sample : K2354-01ME  
Misc : 5.71g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 6 Sample Multiplier: 1

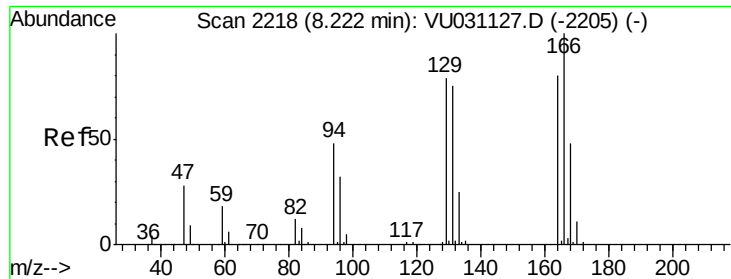
Instrument :  
MSVOA\_U  
ClientSampleId :  
BF2T3ME

Manual Integrations  
APPROVED

MMDadoda  
4/15/2019 12:51:03 PM

Quant Time: Apr 13 01:51:17 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Apr 13 01:01:33 2019  
Response via : Initial Calibration





#46  
Tetrachloroethene  
Concen: 8.737 ug/L  
RT: 8.22 min Scan# 2218  
Delta R.T. 0.00 min  
Lab File: VU031131.D  
Acq: 12 Apr 2019 16:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
BF2T3ME

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 129     | 93.2  | 67.4  | 125.2 |
| 131     | 98.8  | 65.9  | 122.5 |
| 166     | 122.7 | 88.6  | 164.6 |

Manual Integrations  
APPROVED

MMDadoda  
4/15/2019 12:51:03 PM

