

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070119\  
 Data File : VU033119.D  
 Acq On : 01 Jul 2019 17:01  
 Operator : JC/SP  
 Sample : K3599-06  
 Misc : 7.92g/10mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAM15

Manual Integrations  
 APPROVED

MMDadoda  
 7/3/2019 9:02:53 AM

Quant Time: Jul 02 07:16:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 02 04:16:18 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.87  | 114  | 211790   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 214187   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 106531   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 51464    | 35.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 71.12%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 34543    | 29.92    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 59.84%# |
| 11) 1,1-Dichloroethene-d2      | 2.22    | 63    | 90058    | 30.89    | ug/L | -0.05   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 61.78%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 139113   | 115.47   | ug/L | 0.03    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 115.47% |
| 24) Chloroform-d               | 4.63    | 84    | 130568   | 46.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 95754    | 51.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.18% |
| 32) Benzene-d6                 | 5.32    | 84    | 247123   | 44.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.52%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 84497    | 47.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.02%  |
| 41) Toluene-d8                 | 7.56    | 98    | 222142   | 42.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.96%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 39805    | 43.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 86.04%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 82480    | 99.31    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 99.31%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 135627   | 49.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.66%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 96944    | 47.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.06%  |

| Target Compounds |      |    |        | Ovalue      |
|------------------|------|----|--------|-------------|
| 22) 2-Butanone   | 4.29 | 43 | 18883m | 10.949 ug/L |

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

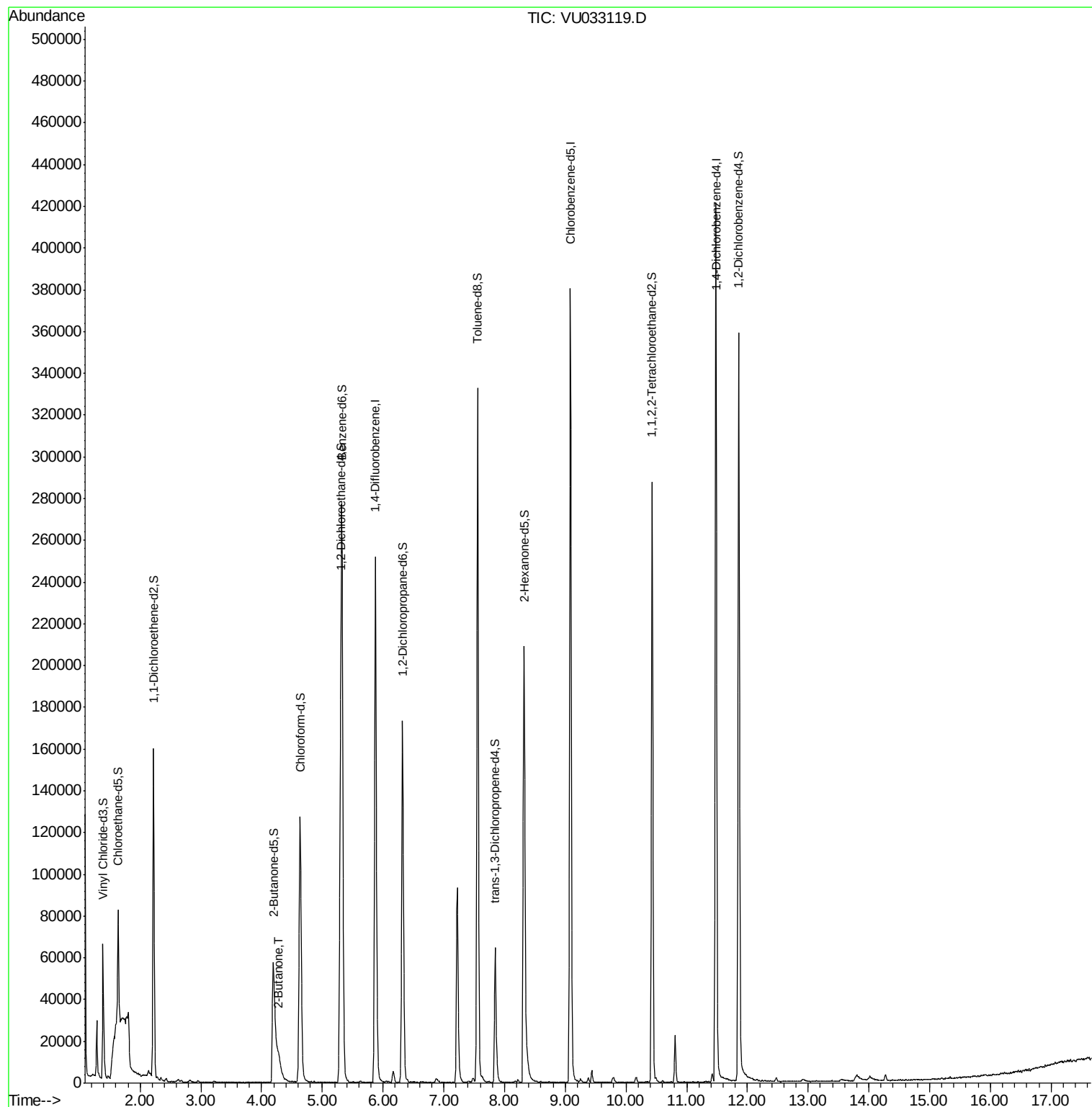
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070119\  
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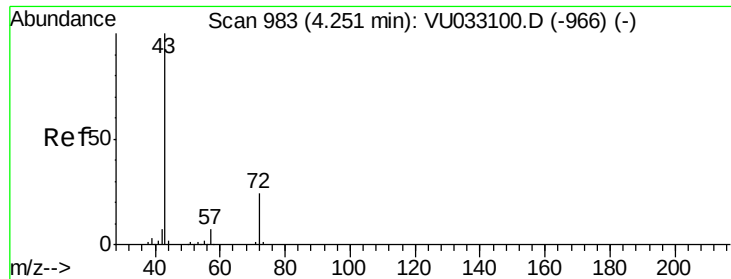
Instrument :  
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Quant Title : VOC Analysis  
QLast Update : Tue Jul 02 04:16:18 2019  
Response via : Initial Calibration





#22  
 2-Butanone  
 Concen: 10.949 ug/L m  
 RT: 4.29 min Scan# 995  
 Delta R.T. 0.04 min  
 Lab File: VU033119.D  
 Acq: 01 Jul 2019 17:01

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAM15

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 72      | 22.0  | 12.9  | 38.6  |

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