

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091619\  
 Data File : VU034593.D  
 Acq On : 17 Sep 2019 03:07  
 Operator : JC/SP  
 Sample : K4838-17  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COML9

Manual Integrations  
 APPROVED

MMDadoda  
 9/18/2019 11:16:12 AM

Quant Time: Sep 17 05:40:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091619WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Sep 17 05:01:24 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 264012   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 243578   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 99266    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 59340    | 46.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 93.18%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 52105    | 53.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 106.38% |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 98834    | 37.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 75.84%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 158338   | 110.24   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 110.24% |
| 24) Chloroform-d               | 4.62    | 84    | 151435   | 52.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.74% |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 97309    | 55.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 110.30% |
| 32) Benzene-d6                 | 5.32    | 84    | 285149   | 53.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.48% |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 109836   | 55.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 110.18% |
| 41) Toluene-d8                 | 7.54    | 98    | 272886   | 52.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.96% |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 46672    | 49.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 98.14%  |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 115123   | 106.44   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 106.44% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 163617   | 52.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 105.04% |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 96024    | 54.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.46% |

| Target Compounds           |      |    |       |             | Ovalue |
|----------------------------|------|----|-------|-------------|--------|
| 20) cis-1,2-Dichloroethene | 4.20 | 96 | 2646m | 1.521 ug/L  |        |
| 34) Trichloroethene        | 6.16 | 95 | 48983 | 31.826 ug/L | 95     |

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

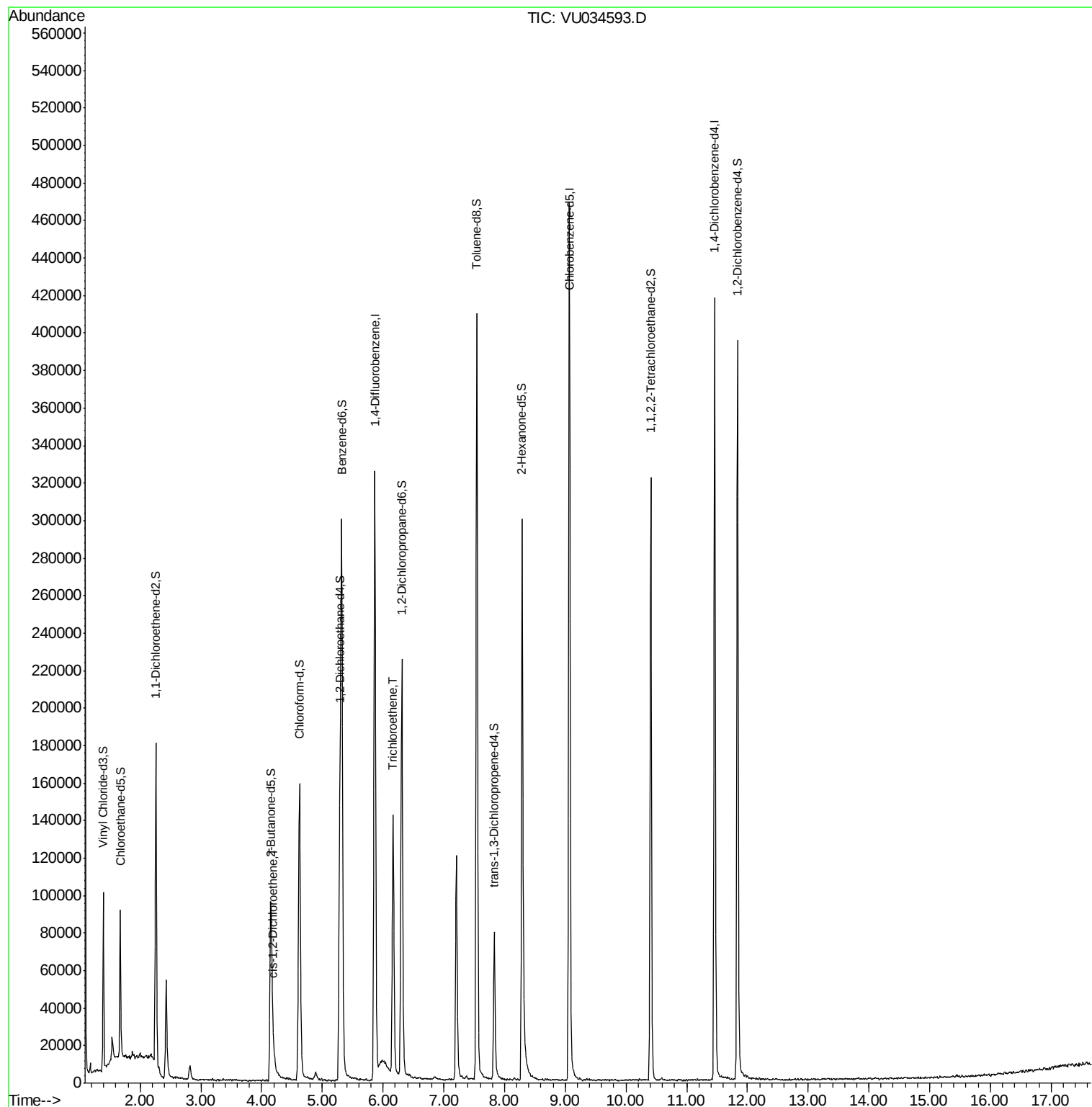
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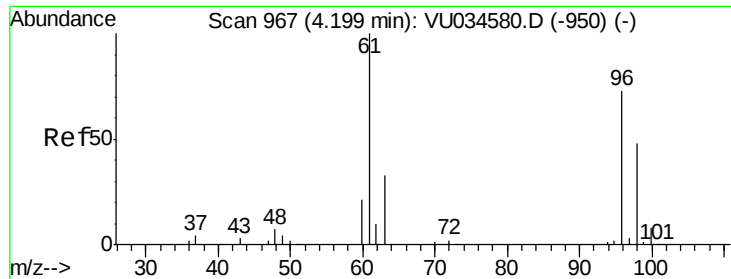
Instrument :  
MSVOA\_U  
ClientSampleId :  
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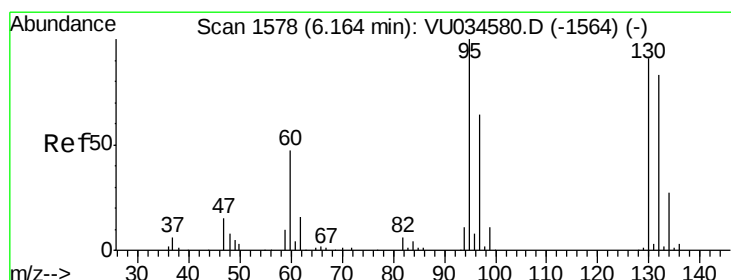
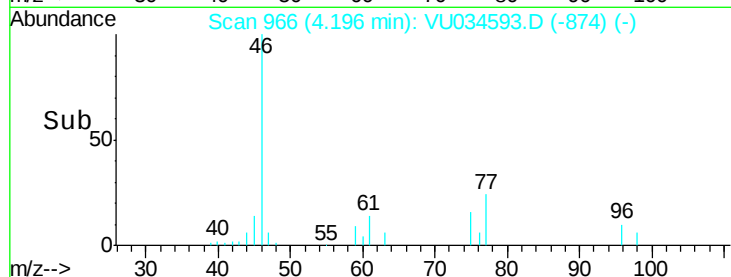
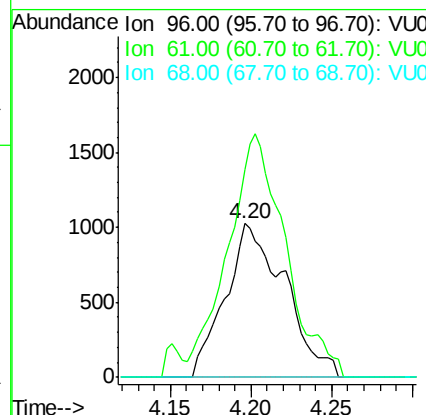
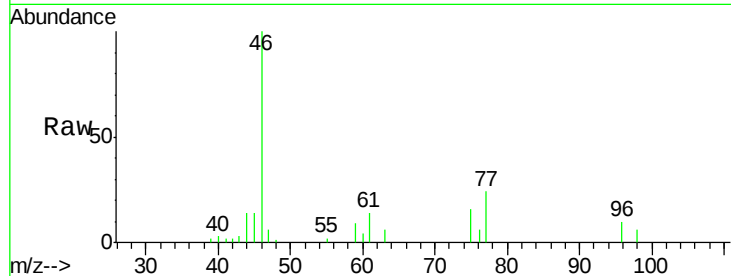
#20  
cis-1,2-Dichloroethene  
Concen: 1.521 ug/L m  
RT: 4.20 min Scan# 966  
Delta R.T. -0.00 min  
Lab File: VU034593.D  
Acq: 17 Sep 2019 03:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
COML9

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 96      | 100   |       | 2646  |       |       |
| 61      | 135.5 | 94.7  | 175.9 |       |       |
| 68      | 0.0   | 0.0   | 0.0   |       |       |

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#34  
Trichloroethene  
Concen: 31.826 ug/L  
RT: 6.16 min Scan# 1578  
Delta R.T. -0.00 min  
Lab File: VU034593.D  
Acq: 17 Sep 2019 03:07

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 95      | 100  |       | 48983 |       |       |
| 97      | 61.8 | 45.4  | 84.4  |       |       |
| 132     | 89.9 | 65.2  | 121.0 |       |       |
| 130     | 91.0 | 68.5  | 127.3 |       |       |

