

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041619\  
 Data File : VW010006.D  
 Acq On : 16 Apr 2019 19:42  
 Operator : SY/VA  
 Sample : K2402-04  
 Misc : 5.10G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAHH6

Manual Integrations  
 APPROVED

MMDadoda  
 4/18/2019 12:41:36 AM

Quant Time: Apr 17 01:30:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM041519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 17 00:43:03 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 82450    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 90564    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 40798    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 23400    | 30.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 120.12% |
| 7) Chloroethane-d5             | 2.89   | 69    | 22076    | 27.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 111.88% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 48466    | 22.43    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 89.72%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 24760    | 58.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 117.48% |
| 24) Chloroform-d               | 7.65   | 84    | 67476    | 28.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 113.24% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 45479    | 30.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 123.00% |
| 29) Benzene-d6                 | 8.27   | 84    | 120831   | 24.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 97.12%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 42679    | 26.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 107.68% |
| 37) Toluene-d8                 | 10.32  | 98    | 95954    | 21.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 84.52%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 16957    | 22.56    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 90.24%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 14504    | 41.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 82.58%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 39993    | 26.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 107.88% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 37960    | 24.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 99.00%  |

| Target Compounds       |      |    |        | Ovalue     |
|------------------------|------|----|--------|------------|
| 16) Methylene chloride | 4.92 | 84 | 10048m | 6.731 ug/L |

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

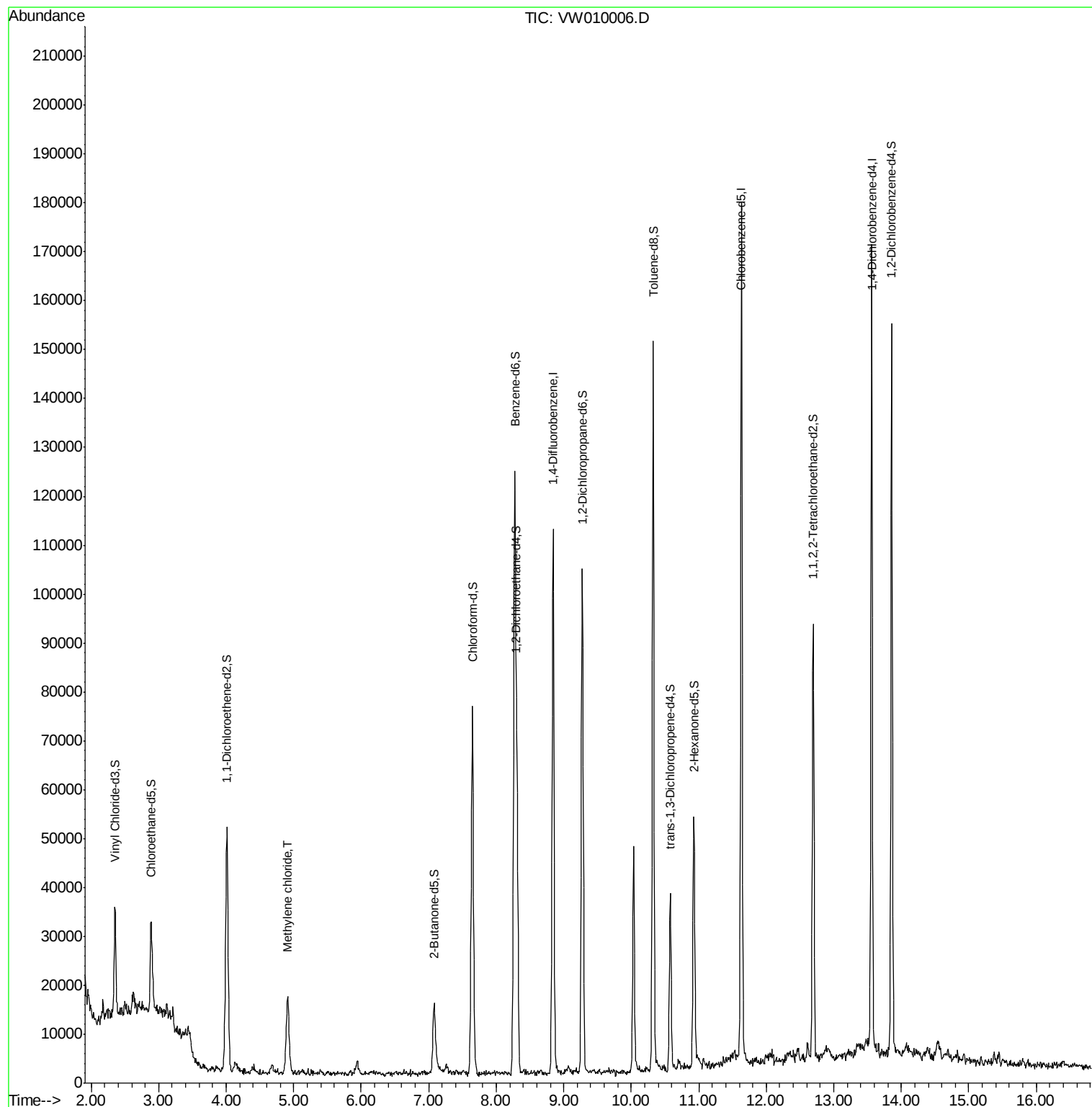
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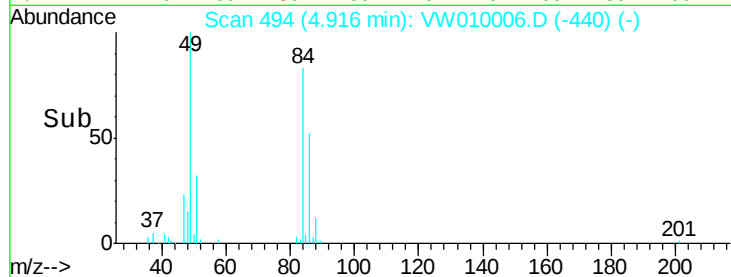
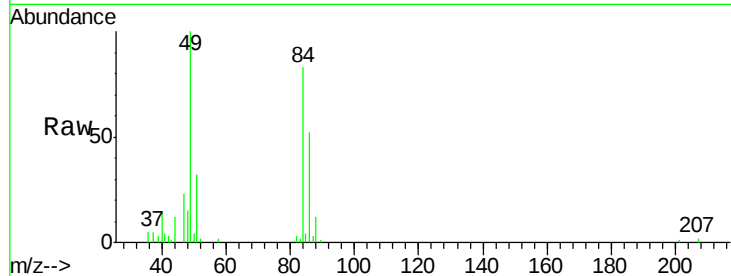
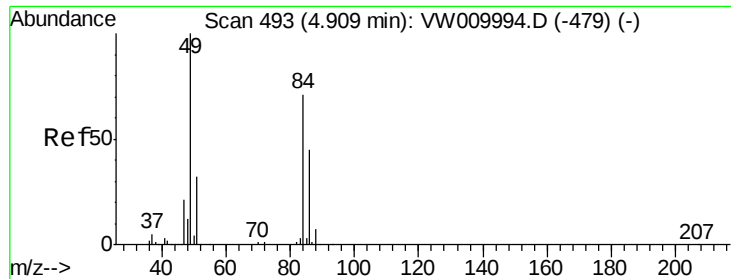
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#16  
Methvlene chloride  
Concen: 6.731 ug/L m  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW010006.D  
Acq: 16 Apr 2019 19:42

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 84      | 100   |       |       |       |
| 49      | 120.7 | 100.7 | 187.1 |       |
| 86      | 62.6  | 43.8  | 81.3  |       |

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