

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022020\  
 Data File : VW015016.D  
 Acq On : 20 Feb 2020 14:18  
 Operator : SY/VA  
 Sample : VW0220SBL01  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VBLK07

Manual Integrations  
 APPROVED

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 2/21/2020 3:21:46 PM

Quant Time: Feb 21 02:06:07 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM020520S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Feb 21 01:58:19 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 729764   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 680046   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 265497   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 255257   | 21.13    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 84.52% |
| 7) Chloroethane-d5             | 2.89   | 69    | 216362   | 22.37    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.48% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 368885   | 16.71    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 66.84% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 147644   | 43.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.10% |
| 24) Chloroform-d               | 7.65   | 84    | 483812   | 23.35    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 93.40% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 283482m  | 24.72    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 98.88% |
| 29) Benzene-d6                 | 8.27   | 84    | 939837   | 21.49    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 85.96% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 334100   | 23.44    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 93.76% |
| 37) Toluene-d8                 | 10.32  | 98    | 766099   | 19.91    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 79.64% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 113389   | 20.15    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 80.60% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 96059    | 36.98    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 73.96% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 218533   | 20.36    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 81.44% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 214629   | 20.85    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 83.40% |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 16) Methylene chloride | 4.92 | 84 | 28760 | 2.163 ug/L | 88     |

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

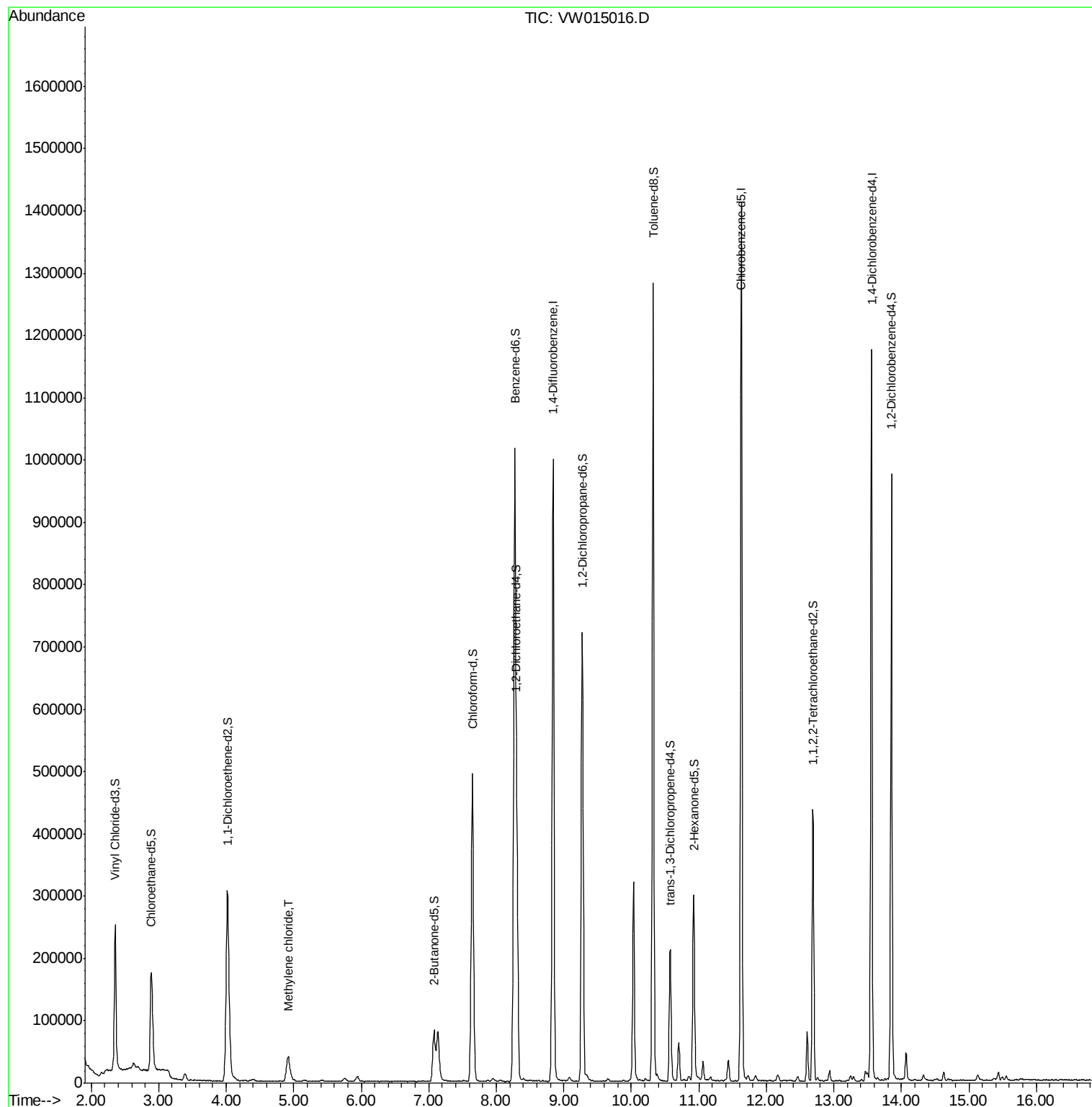
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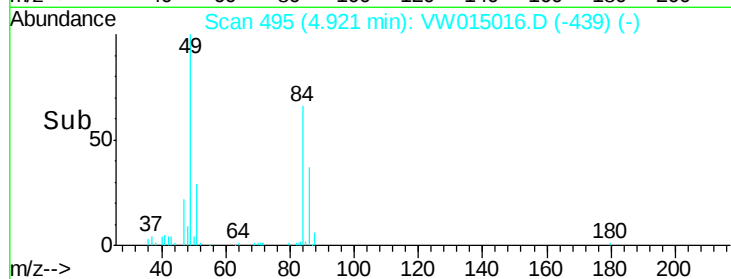
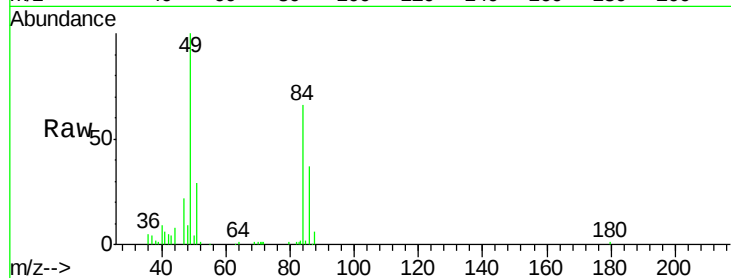
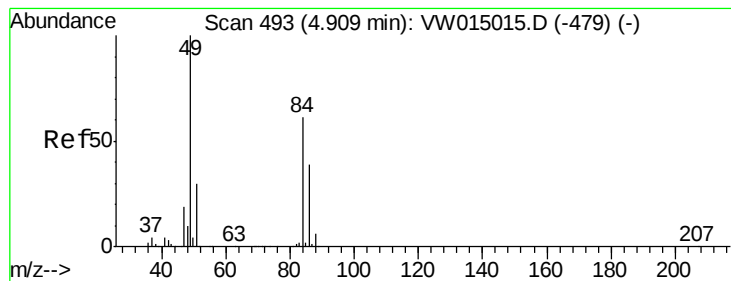
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Quant Title : VOC Analysis  
QLast Update : Fri Feb 21 01:58:19 2020  
Response via : Initial Calibration





#16  
 Methvlene chloride  
 Concen: 2.163 ug/L  
 RT: 4.92 min Scan# 495  
 Delta R.T. 0.01 min  
 Lab File: VW015016.D  
 Acq: 20 Feb 2020 14:18

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 152.2 | 95.8  | 177.8 |
| 86      | 55.8  | 44.2  | 82.2  |

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