

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120420\  
 Data File : VW017558.D  
 Acq On : 04 Dec 2020 16:04  
 Operator : SY/VA  
 Sample : L4941-09  
 Misc : 5.10G/10ML/MSVOA W/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0B21

Manual Integrations  
 APPROVED

MMDadoda  
 12/21/2020 1:36:34 PM

Quant Time: Dec 20 03:32:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM112420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Dec 20 01:44:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 2159469  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 1782283  | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 757634   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 97666    | 3.44     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 13.76%# |
| 7) Chloroethane-d5             | 2.89   | 69    | 89051    | 3.72     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 14.88%# |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 174494   | 2.76     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 11.04%# |
| 20) 2-Butanone-d5              | 7.08   | 46    | 46418    | 7.75     | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 15.50%# |
| 24) Chloroform-d               | 7.65   | 84    | 252206   | 4.11     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 16.44%# |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 130744m  | 4.34     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 17.36%# |
| 29) Benzene-d6                 | 8.27   | 84    | 475018   | 4.33     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 17.32%# |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 140697   | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 18.56%# |
| 37) Toluene-d8                 | 10.33  | 98    | 424437   | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 17.00%# |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 51891    | 3.83     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 15.32%# |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 27383    | 7.30     | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 14.60%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 92469    | 4.24     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 16.96%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 119740   | 4.27     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 17.08%# |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 16) Methylene chloride | 4.93 | 84 | 45324 | 1.398 ug/L | 97     |

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

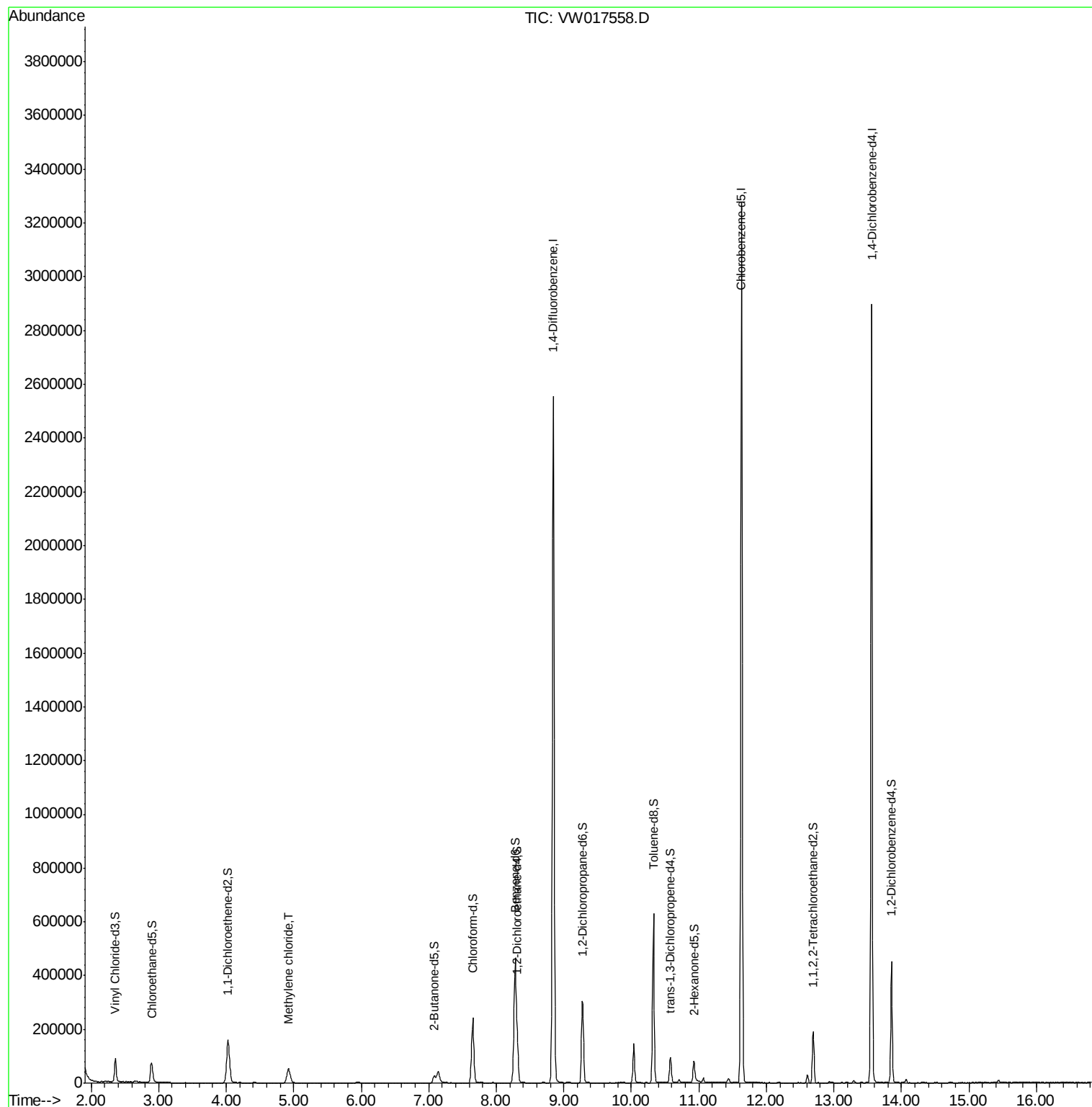
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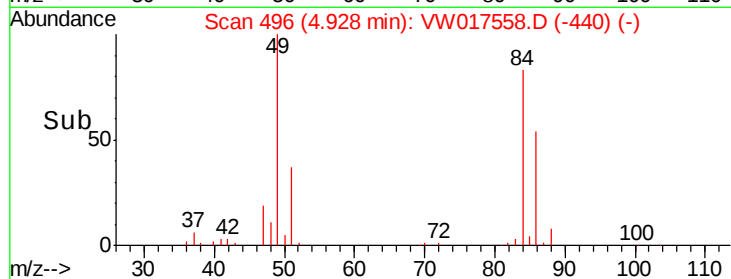
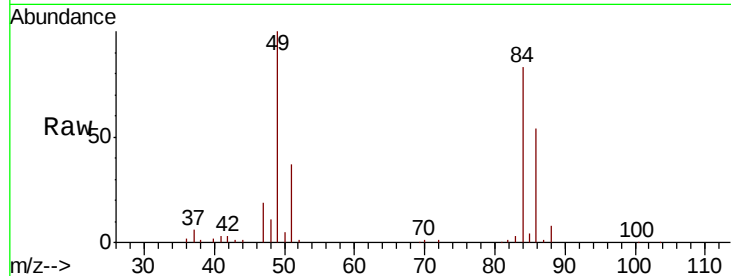
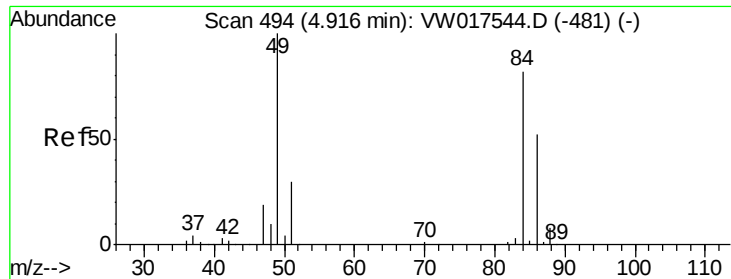
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Quant Title : VOC Analysis  
QLast Update : Sun Dec 20 01:44:20 2020  
Response via : Initial Calibration





#16  
Methvlene chloride  
Concen: 1.398 ug/L  
RT: 4.93 min Scan# 496  
Delta R.T. 0.01 min  
Lab File: VW017558.D  
Acq: 04 Dec 2020 16:04

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 84      | 100   |       |       |       |
| 49      | 120.5 | 81.2  | 150.8 |       |
| 86      | 64.8  | 44.5  | 82.7  |       |

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