

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090320\  
 Data File : VW016451.D  
 Acq On : 03 Sep 2020 17:19  
 Operator : SY/VA  
 Sample : L3905-07  
 Misc : 6.80G/10ML/MSVOA W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFWZ3

Manual Integrations  
 APPROVED

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 9/4/2020 3:36:48 PM

Quant Time: Sep 04 06:07:01 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM090320S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 04 04:59:18 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 892006   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 766392   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 332762   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 244868   | 25.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 103.48% |
| 7) Chloroethane-d5             | 2.90   | 69    | 198993   | 23.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.68%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 356654   | 16.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 65.56%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 94826    | 28.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 56.12%  |
| 24) Chloroform-d               | 7.65   | 84    | 431564   | 20.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 82.60%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 218284m  | 19.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 76.44%  |
| 29) Benzene-d6                 | 8.28   | 84    | 895797   | 22.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 91.96%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 249919   | 21.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 87.32%  |
| 37) Toluene-d8                 | 10.33  | 98    | 862669   | 23.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 93.20%  |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 117572   | 20.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 81.44%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 80317    | 34.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 68.66%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 175864   | 18.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 72.68%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 253717   | 22.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 88.24%  |

| Target Compounds      |       |     |       |            | Ovalue |
|-----------------------|-------|-----|-------|------------|--------|
| 47) Tetrachloroethene | 10.87 | 164 | 67171 | 7.215 ug/L | 92     |

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

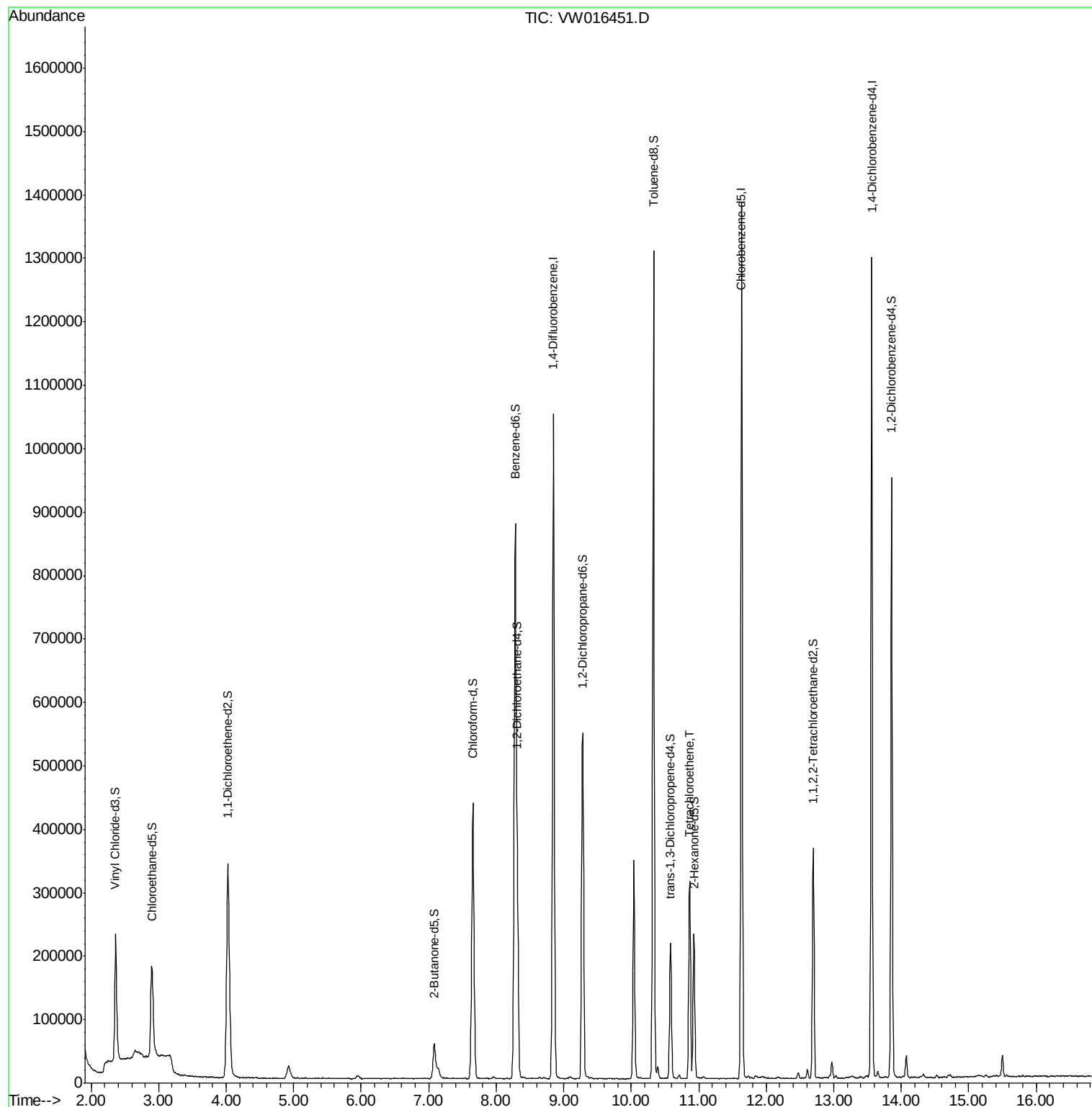
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090320\  
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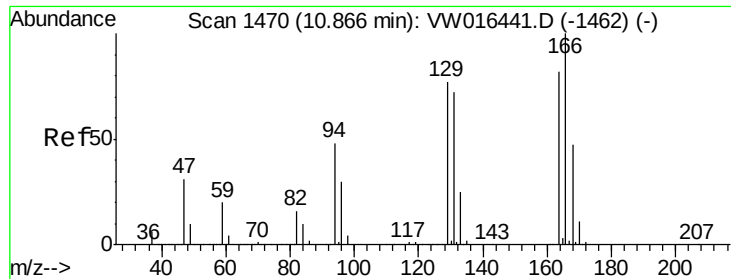
Instrument :  
MSVOA\_W  
ClientSampleId :  
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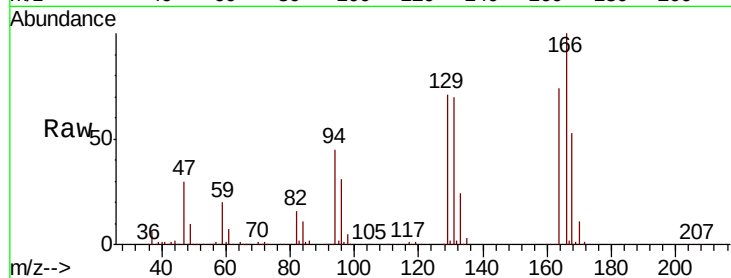
#47  
 Tetrachloroethene  
 Concen: 7.215 ug/L  
 RT: 10.87 min Scan# 1470  
 Delta R.T. 0.00 min  
 Lab File: VW016451.D  
 Acq: 03 Sep 2020 17:19

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFWZ3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 129     | 95.5  | 65.7  | 121.9 |
| 131     | 94.9  | 61.1  | 113.5 |
| 166     | 134.9 | 85.0  | 157.8 |

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Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

