

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040519\  
 Data File : VW009726.D  
 Acq On : 05 Apr 2019 12:19  
 Operator : SY/VA  
 Sample : K2246-16  
 Misc : 6.22G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF2Q4

Manual Integrations  
 APPROVED

MMDadoda  
 4/8/2019 3:32:56 AM

Quant Time: Apr 19 08:03:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 05 08:15:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 334816   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 327959   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 139703   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 94935    | 21.67    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.68%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 95119    | 23.70    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 94.80%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 174906m  | 18.56    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 74.24%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 107862   | 75.82    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 151.64%# |
| 24) Chloroform-d               | 7.64   | 84    | 228162   | 24.97    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.88%   |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 147238   | 26.25    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 105.00%  |
| 29) Benzene-d6                 | 8.27   | 84    | 415444   | 24.13    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 96.52%   |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 131777   | 24.78    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 99.12%   |
| 37) Toluene-d8                 | 10.32  | 98    | 361911   | 22.74    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 90.96%   |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 54992    | 21.68    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 86.72%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 72394    | 72.23    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 144.46%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 149038   | 30.15    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 120.60%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 133169   | 27.17    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 108.68%  |

| Target Compounds       |       |     |        |        | Ovalue |
|------------------------|-------|-----|--------|--------|--------|
| 16) Methylene chloride | 4.92  | 84  | 12096m | 2.048  | ug/L   |
| 47) Tetrachloroethene  | 10.86 | 164 | 153651 | 37.780 | ug/L   |

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

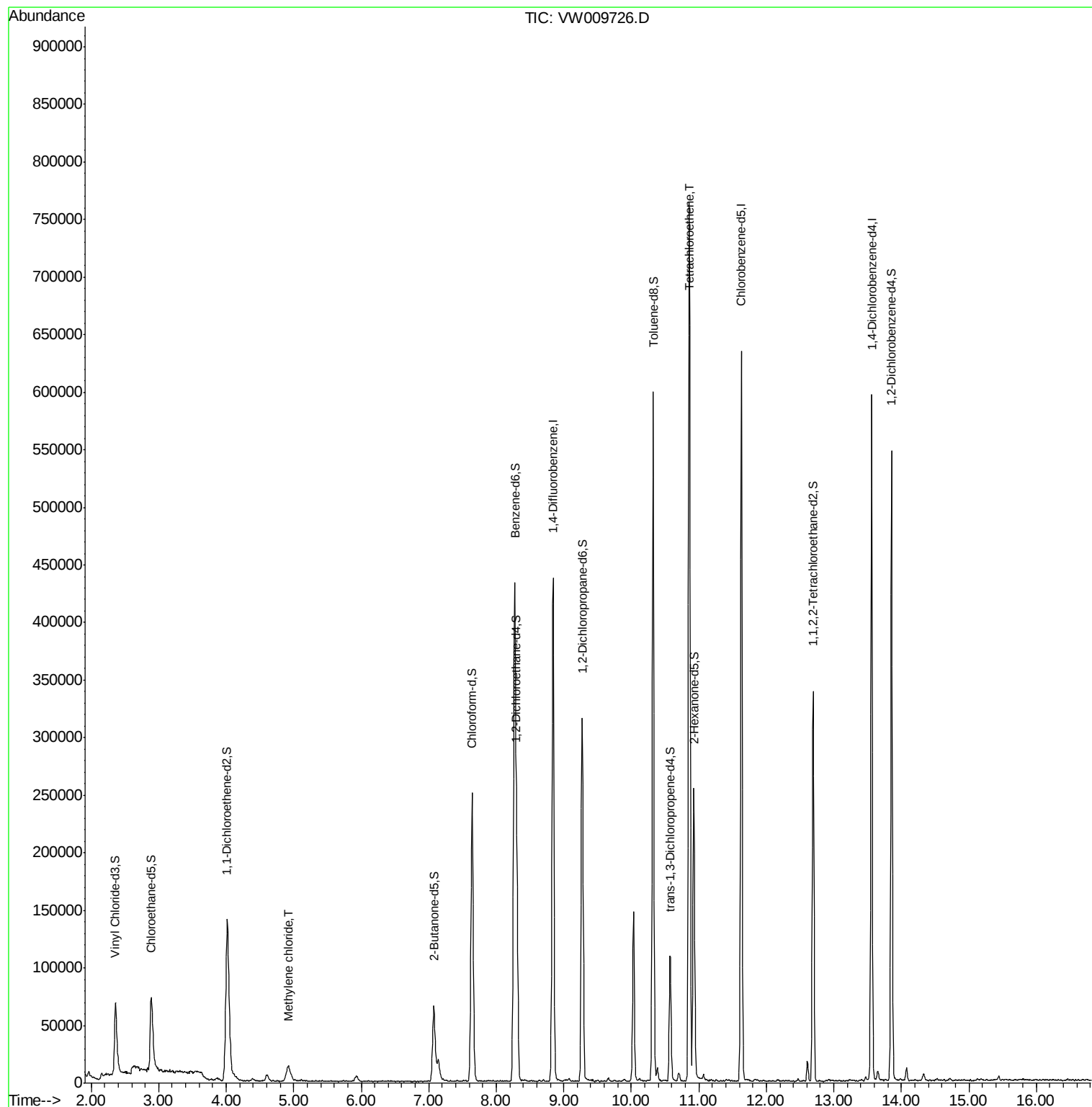
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040519\  
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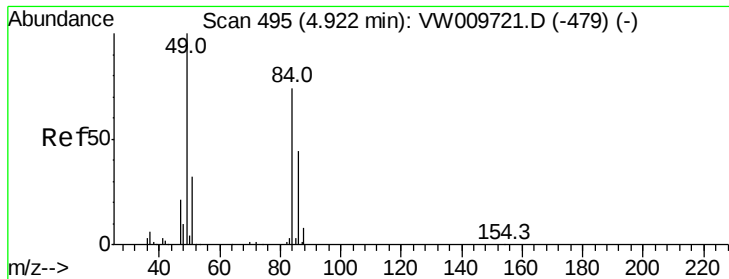
Instrument :  
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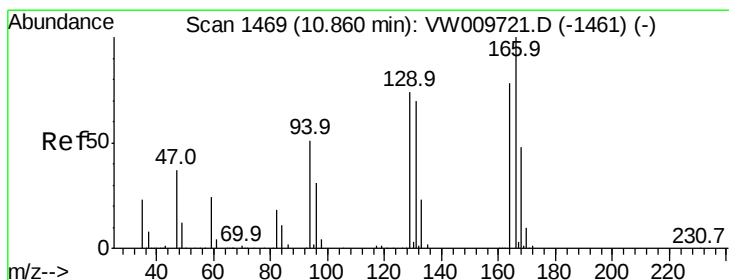
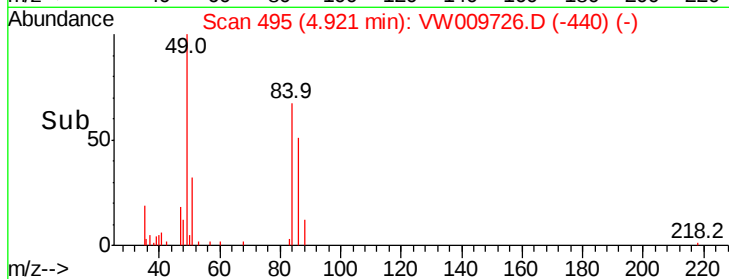
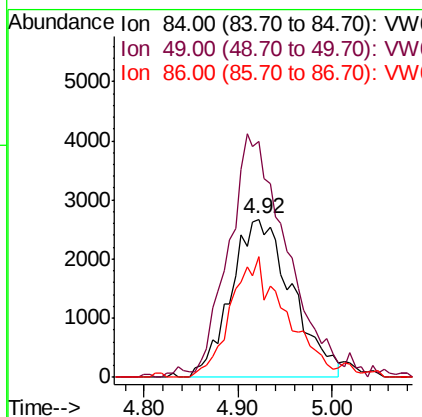
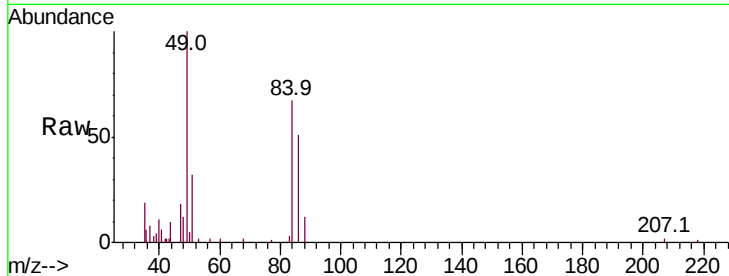
#16  
Methylene chloride  
Concen: 2.048 ug/L m  
RT: 4.92 min Scan# 495  
Delta R.T. 0.01 min  
Lab File: VW009726.D  
Acq: 05 Apr 2019 12:19

Instrument :  
MSVOA\_W  
ClientSampled :  
BF2Q4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 149.3 | 98.3  | 182.5 |
| 86      | 76.4  | 46.4  | 86.2  |

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#47  
Tetrachloroethene  
Concen: 37.780 ug/L  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VW009726.D  
Acq: 05 Apr 2019 12:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 129     | 94.0  | 68.9  | 127.9 |
| 131     | 90.3  | 63.1  | 117.1 |
| 166     | 125.2 | 88.5  | 164.4 |

