

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112919\  
 Data File : VW014182.D  
 Acq On : 29 Nov 2019 15:33  
 Operator : SY/VA  
 Sample : K6089-12  
 Misc : 4.90G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0BR0

Manual Integrations  
 APPROVED

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 12/2/2019 3:19:38 PM

Quant Time: Nov 30 05:56:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111119S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Nov 30 04:10:38 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 199840   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 147512   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 37342    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 45998    | 14.43    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 57.72%   |
| 7) Chloroethane-d5             | 2.88   | 69    | 50367    | 19.49    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.96%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 77251    | 11.81    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 47.24%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 57755    | 62.35    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 124.70%  |
| 24) Chloroform-d               | 7.65   | 84    | 150545   | 24.50    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 98.00%   |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 81884    | 26.51    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 106.04%  |
| 29) Benzene-d6                 | 8.27   | 84    | 282351   | 26.98    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 107.92%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 98740    | 32.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 128.84%# |
| 37) Toluene-d8                 | 10.32  | 98    | 215249   | 21.69    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 86.76%   |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 24638    | 18.76    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 75.04%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 40419    | 69.52    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 139.04%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 83921    | 36.25    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 145.00%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 40760    | 27.17    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 108.68%  |

| Target Compounds       |      |    |       | Ovalue     |
|------------------------|------|----|-------|------------|
| 16) Methylene chloride | 4.93 | 84 | 6049m | 1.572 ug/L |
| 21) 2-Butanone         | 7.16 | 43 | 8032m | 6.633 ug/L |

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

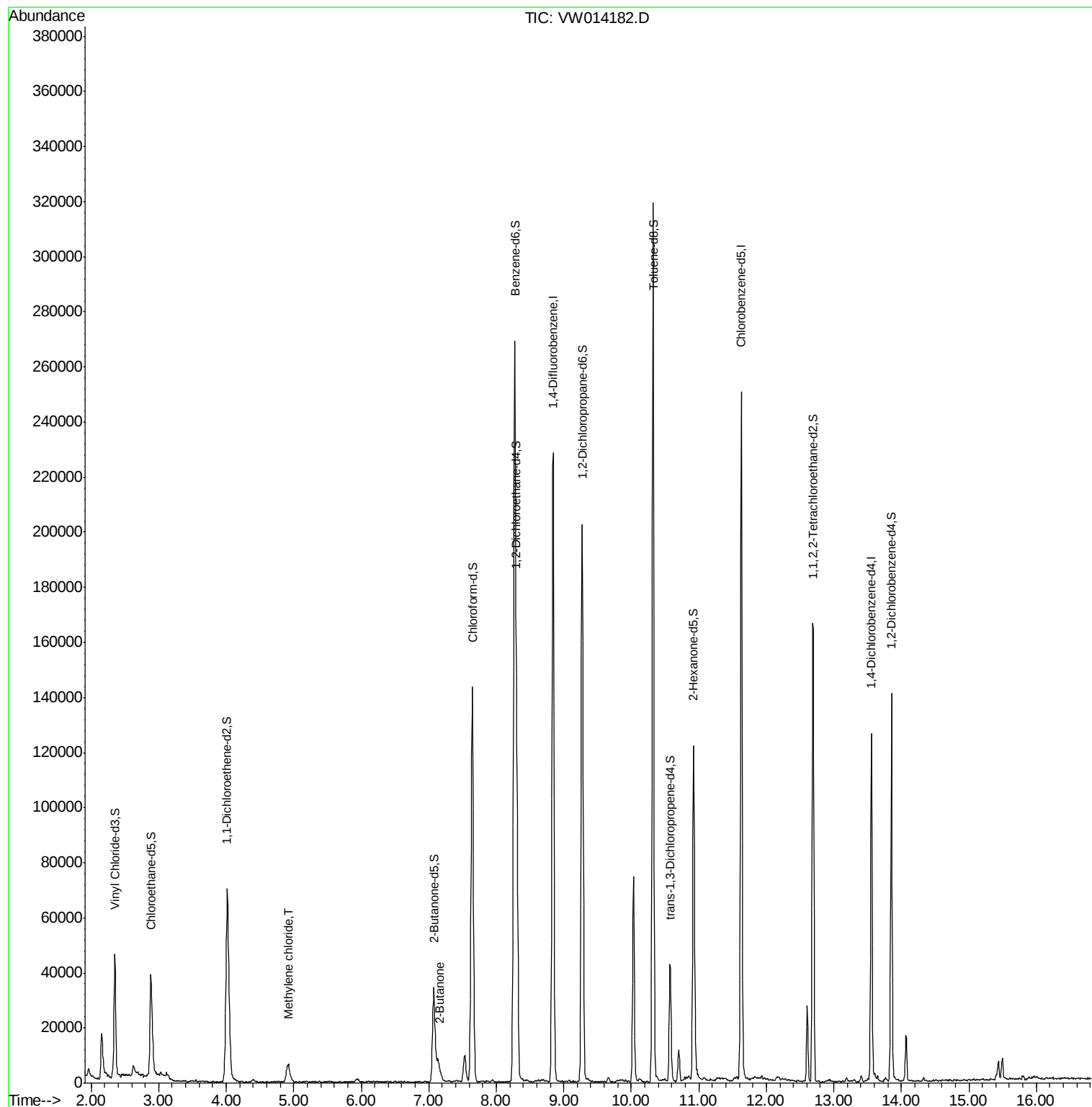
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112919\  
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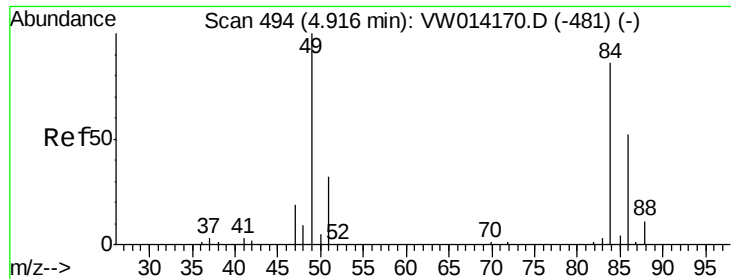
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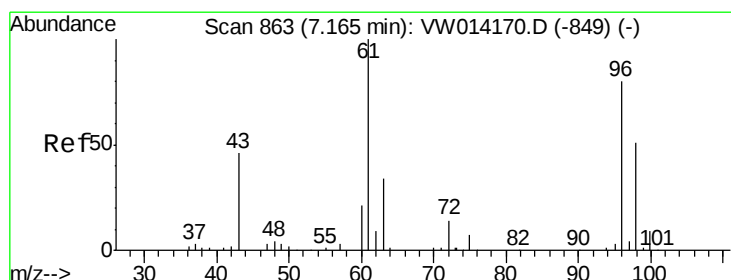
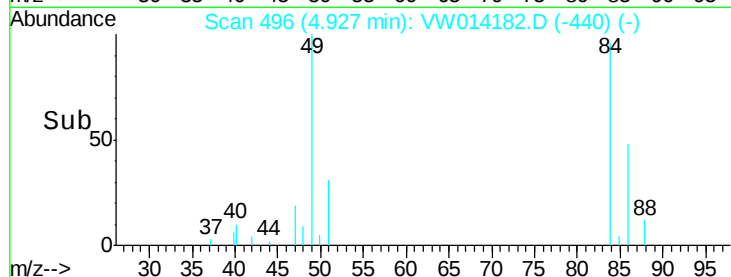
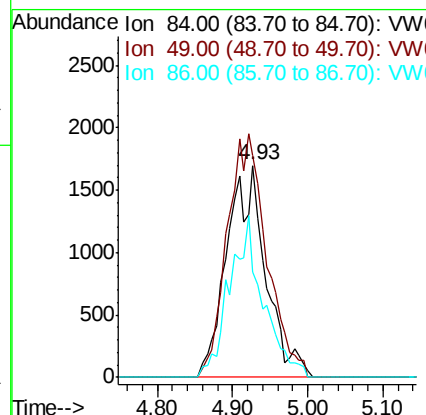
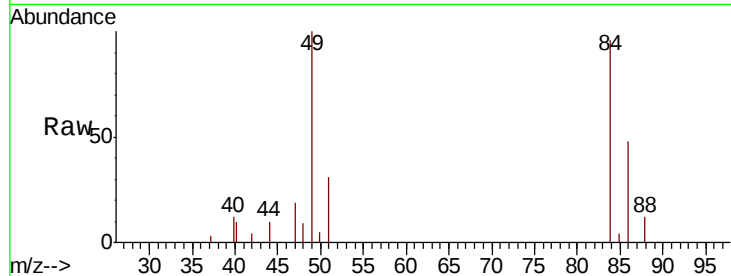
#16  
Methylene chloride  
Concen: 1.572 ug/L m  
RT: 4.93 min Scan# 496  
Delta R.T. 0.01 min  
Lab File: VW014182.D  
Acq: 29 Nov 2019 15:33

Instrument :  
MSVOA\_W  
ClientSampled :  
C0BR0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 104.6 | 84.2  | 156.4 |
| 86      | 49.9  | 43.7  | 81.1  |

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#21  
2-Butanone  
Concen: 6.633 ug/L m  
RT: 7.16 min Scan# 863  
Delta R.T. -0.00 min  
Lab File: VW014182.D  
Acq: 29 Nov 2019 15:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 72      | 9.6   | 14.1  | 42.2# |

