

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041119\  
 Data File : VW009948.D  
 Acq On : 12 Apr 2019 10:05  
 Operator : SY/VA  
 Sample : K2328-16  
 Misc : 3.80G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DB731

Quant Time: Apr 13 00:09:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 12 23:54:39 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 434246   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 467093   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 197358   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 66443    | 11.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 46.76%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 76911    | 14.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 59.08%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 133973   | 10.96    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 43.84%# |
| 20) 2-Butanone-d5              | 7.07   | 46    | 116913   | 63.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 126.74% |
| 24) Chloroform-d               | 7.64   | 84    | 301504   | 25.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 101.76% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 209846   | 28.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 115.40% |
| 29) Benzene-d6                 | 8.27   | 84    | 504973   | 20.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 82.36%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 185611   | 24.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 98.04%  |
| 37) Toluene-d8                 | 10.32  | 98    | 423751   | 18.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 74.76%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 75655    | 20.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 83.76%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 77450    | 54.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 108.52% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 182045   | 25.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 103.40% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 182004   | 26.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 105.12% |

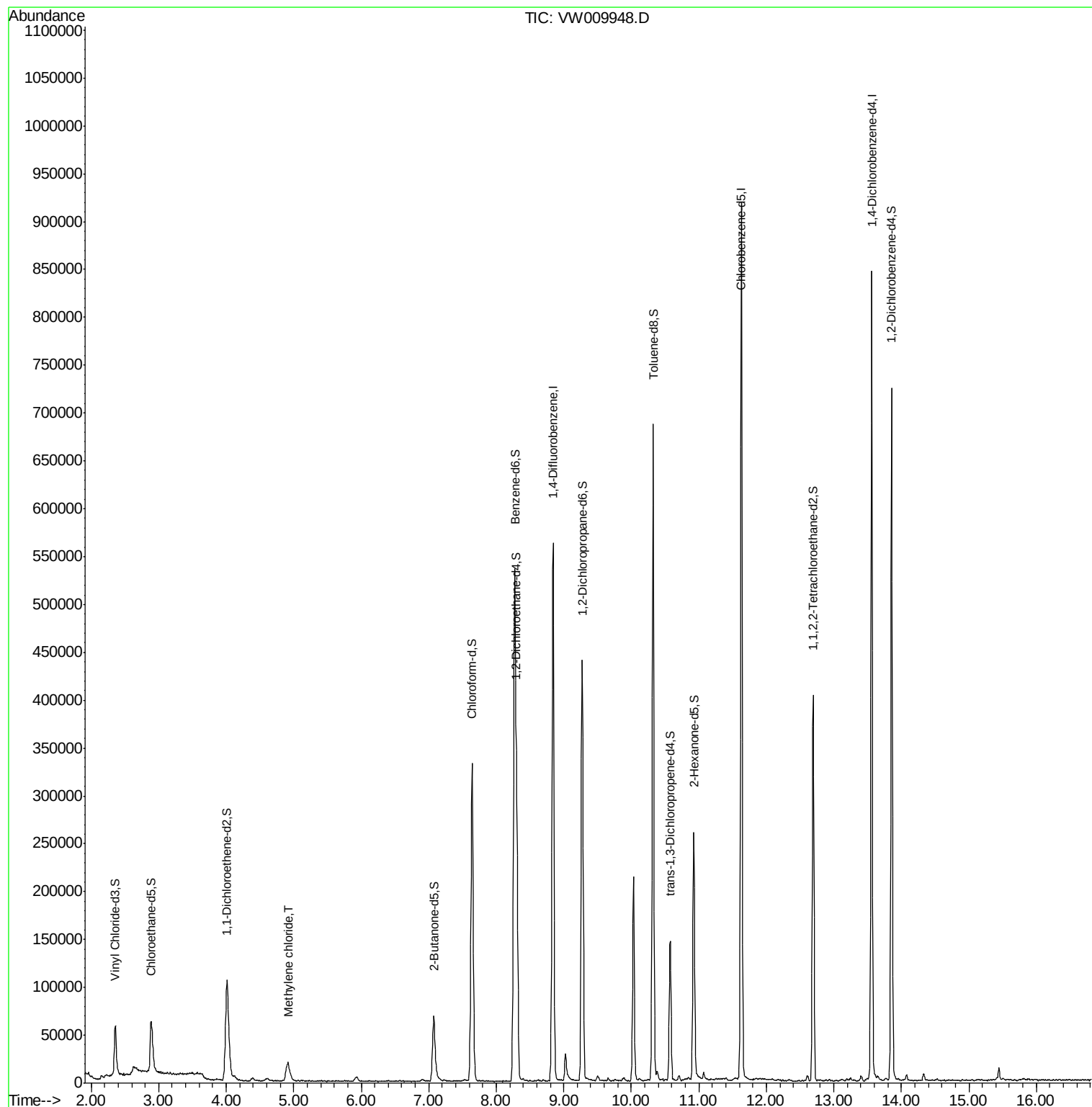
| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 16) Methylene chloride | 4.91 | 84 | 16459 | 2.149 ug/L | 95     |

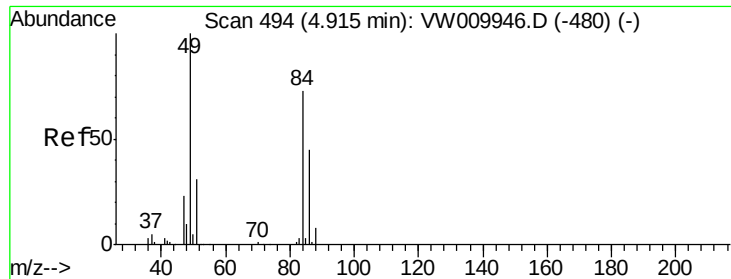
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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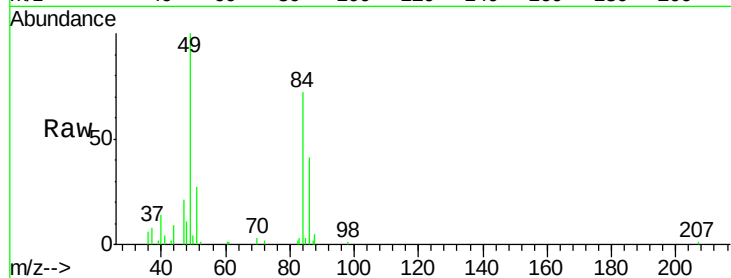


#16  
Methylene chloride  
Concen: 2.149 ug/L  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW009948.D  
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Tot Ion: 84 Resp: 16459  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 139.0 | 98.3  | 182.5 |
| 86  | 56.5  | 46.4  | 86.2  |



Abundance Ion 84.00 (83.70 to 84.70): VW  
Ion 49.00 (48.70 to 49.70): VW  
Ion 86.00 (85.70 to 86.70): VW

