

Data File : VW015559.D  
Acq On : 08 Jun 2020 16:11  
Operator : SY/VA  
Sample : L2848-12  
Misc : 5.07G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0AG4

Quant Time: Jun 09 03:06:52 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052620S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jun 09 02:02:35 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 376778   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 338514   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 148505   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 117453   | 34.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 136.08% |
| 7) Chloroethane-d5             | 2.90   | 69    | 91227    | 26.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 106.28% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 170744   | 20.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 81.20%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 43830    | 38.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 77.76%  |
| 24) Chloroform-d               | 7.65   | 84    | 201616   | 23.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 92.56%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 111207   | 22.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 91.76%  |
| 29) Benzene-d6                 | 8.27   | 84    | 409617   | 24.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 98.68%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 116017   | 23.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 92.00%  |
| 37) Toluene-d8                 | 10.32  | 98    | 380558   | 23.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 94.32%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 48282    | 20.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.76%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 33696    | 38.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 77.16%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 75439    | 19.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 79.44%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 115526   | 23.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 92.84%  |

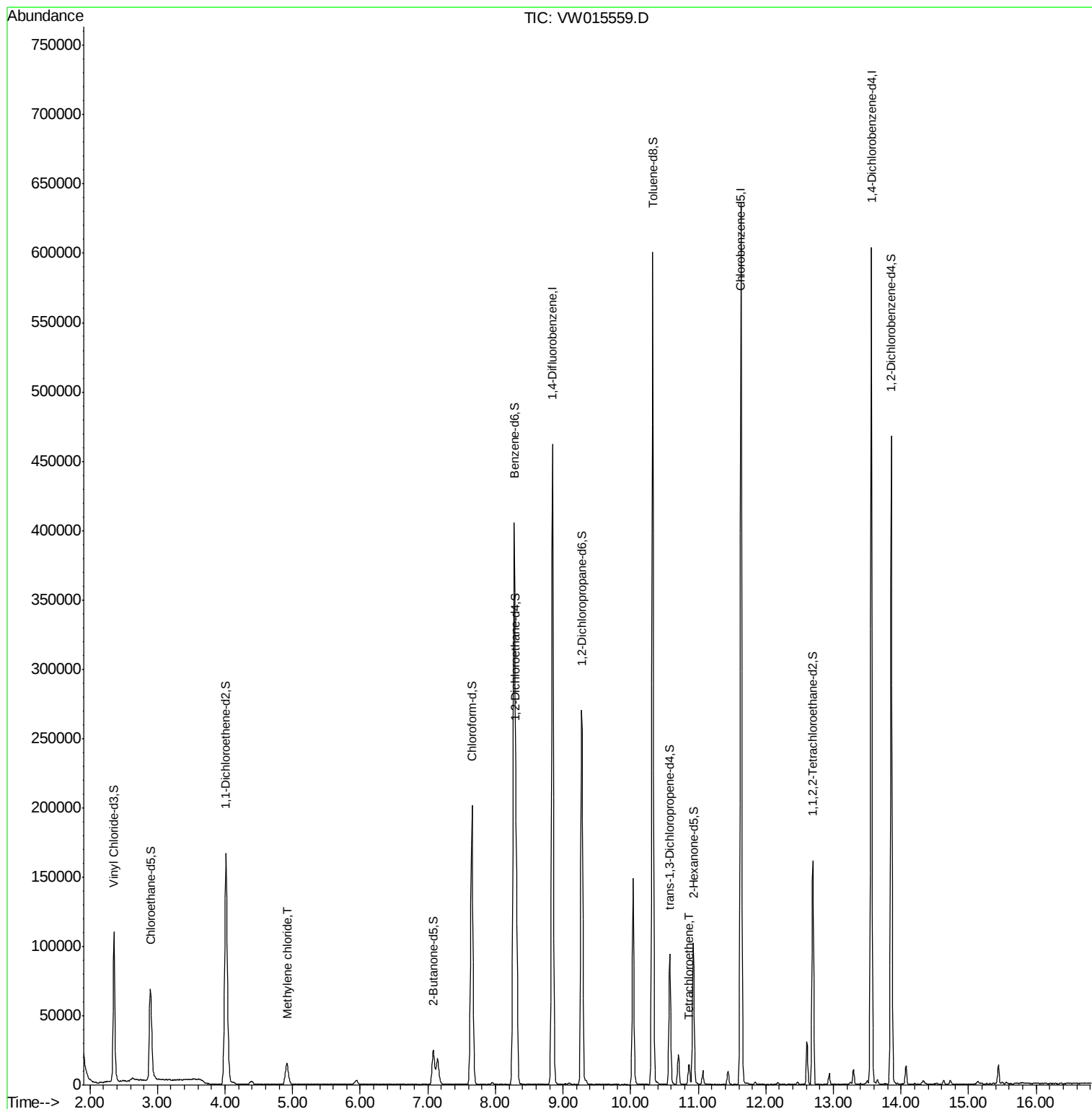
| Target Compounds       |       |     |       |       |      | Qvalue |
|------------------------|-------|-----|-------|-------|------|--------|
| 16) Methylene chloride | 4.92  | 84  | 11567 | 2.501 | ug/L | 89     |
| 47) Tetrachloroethene  | 10.87 | 164 | 3278  | 0.813 | ug/L | 93     |

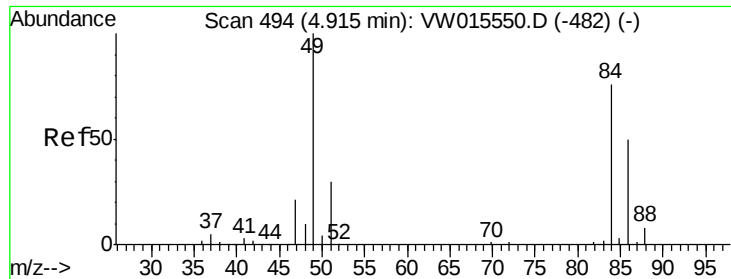
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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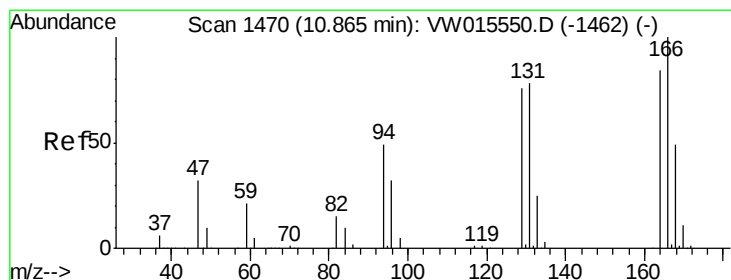
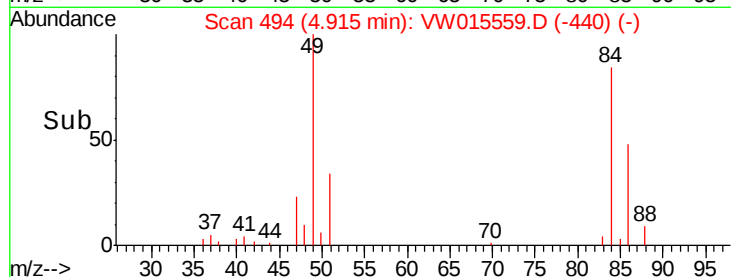
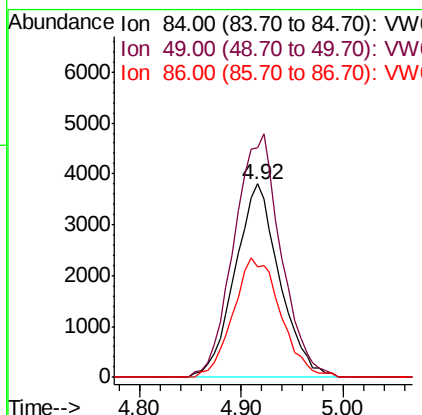
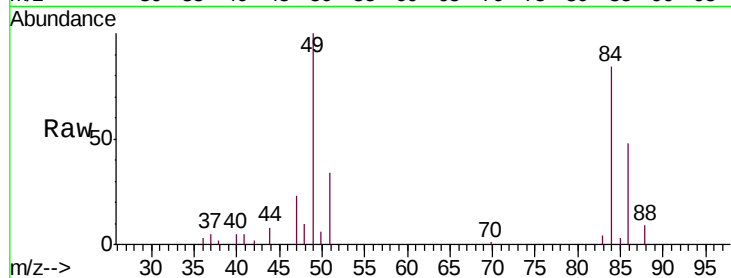




#16  
Methylene chloride  
Concen: 2.501 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
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Instrument :  
MSVOA\_W  
ClientSampled :  
C0AG4

Tgt Ion: 84 Resp: 11567  
Ion Ratio Lower Upper  
84 100  
49 118.8 93.0 172.8  
86 57.1 44.7 83.1



#47  
Tetrachloroethene  
Concen: 0.813 ug/L  
RT: 10.87 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VW015559.D  
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Tgt Ion: 164 Resp: 3278  
Ion Ratio Lower Upper  
164 100  
129 91.2 66.3 123.1  
131 89.3 65.1 120.9  
166 116.7 90.8 168.6

