

Data File : VW011504.D  
Acq On : 25 Jul 2019 17:32  
Operator : SY/VA  
Sample : K3979-14  
Misc : 5.46G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DB934

Quant Time: Jul 26 01:10:20 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072219S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jul 26 01:06:02 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 329329   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 298492   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 132622   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 111503   | 25.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 101.44% |
| 7) Chloroethane-d5             | 2.89   | 69    | 82056    | 25.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 102.48% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 192112   | 19.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 77.16%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 99382    | 53.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 106.16% |
| 24) Chloroform-d               | 7.65   | 84    | 218924   | 25.96    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.84% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 134745   | 26.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 107.48% |
| 29) Benzene-d6                 | 8.27   | 84    | 456167   | 25.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 102.20% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 151160   | 26.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 104.52% |
| 37) Toluene-d8                 | 10.32  | 98    | 402659   | 25.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 100.68% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 59828    | 23.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 95.76%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 65647    | 52.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 104.70% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 120751   | 26.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 104.52% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 132047   | 26.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 106.08% |

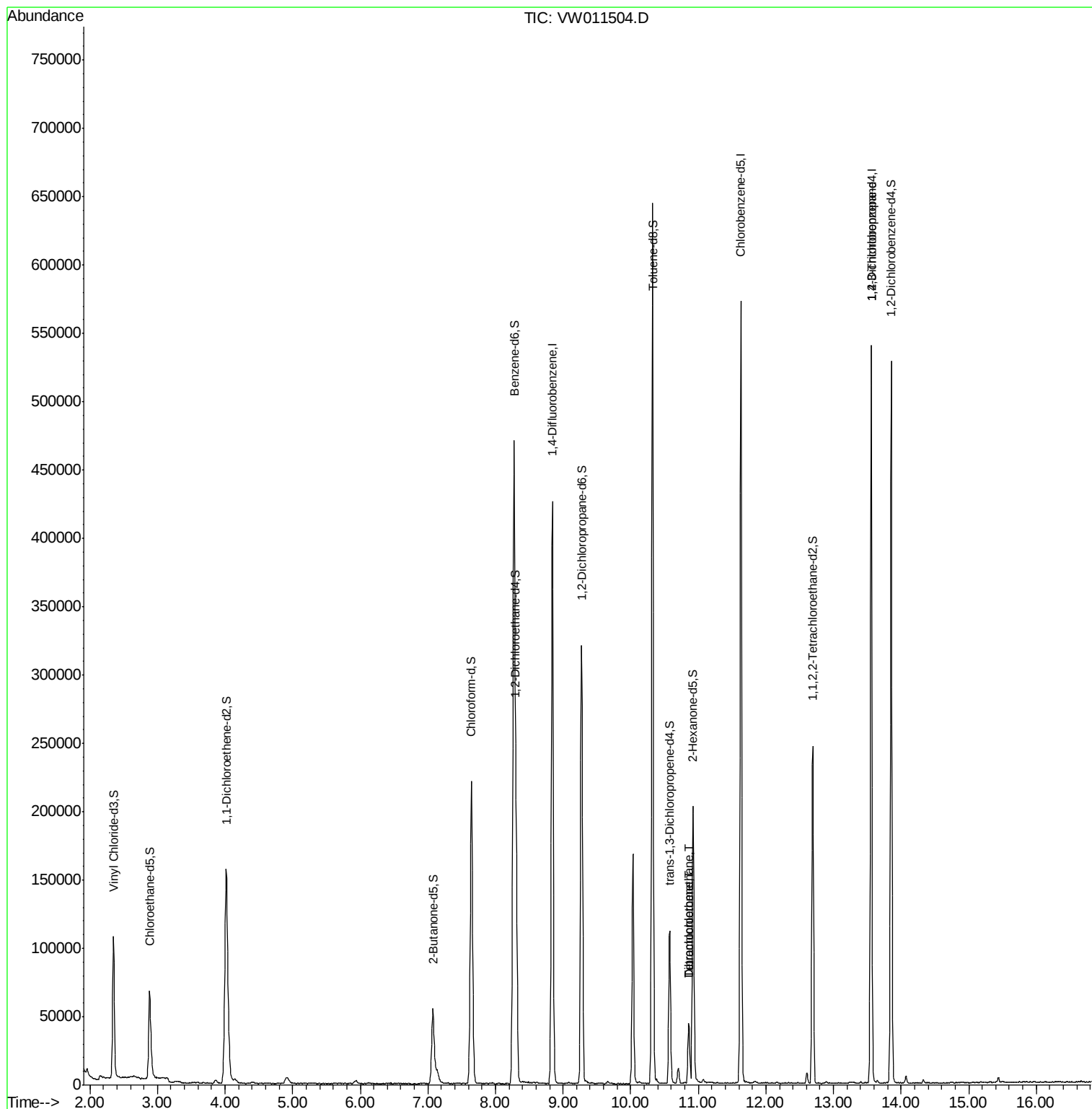
| Target Compounds           |       |     |       |              | Qvalue |
|----------------------------|-------|-----|-------|--------------|--------|
| 47) Tetrachloroethene      | 10.87 | 164 | 9782  | 2.589 ug/L   | 91     |
| 50) Dibromochloromethane   | 10.86 | 129 | 9495  | 2.462 ug/L # | 11     |
| 59) 1,2,3-Trichloropropane | 13.56 | 75  | 17230 | 4.982 ug/L   | 90     |

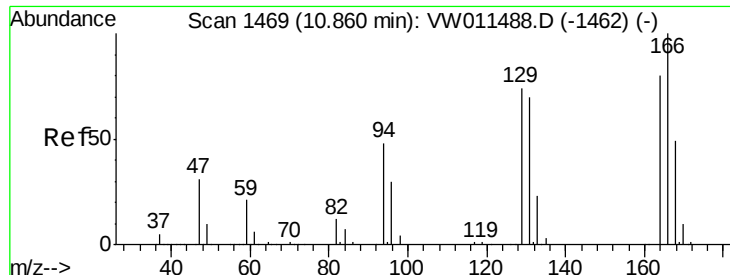
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#47

Tetrachloroethene

Concen: 2.589 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

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Instrument :

MSVOA\_W

ClientSampleId :

DB934

Tgt Ion:164 Resp: 9782

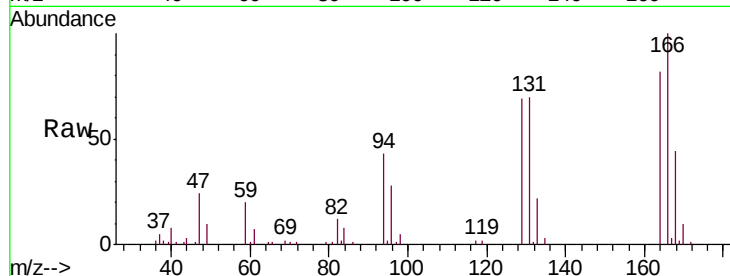
Ion Ratio Lower Upper

164 100

129 83.9 69.0 128.1

131 85.6 64.5 119.7

166 121.5 89.2 165.6

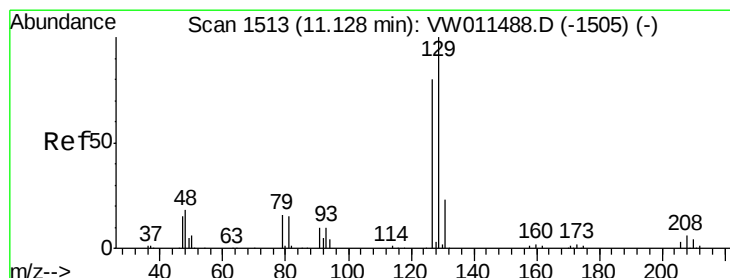
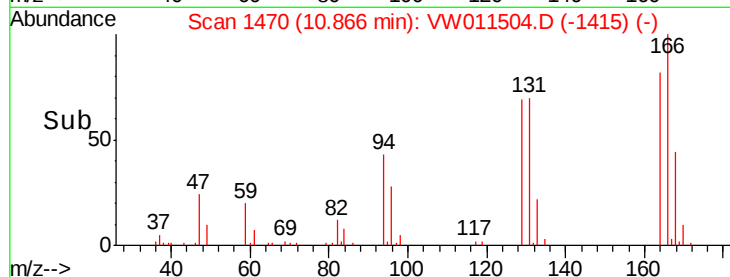
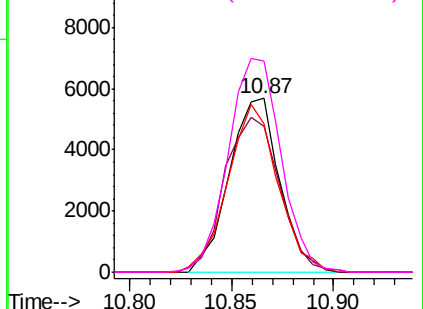


Abundance Ion 164.00 (163.70 to 164.70): V

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



#50

Dibromochloromethane

Concen: 2.462 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

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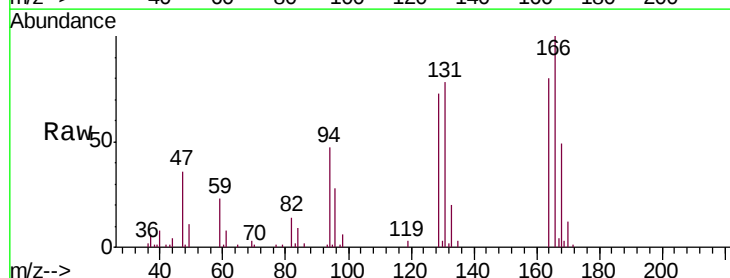
Acq: 25 Jul 2019 17:32

Tgt Ion:129 Resp: 9495

Ion Ratio Lower Upper

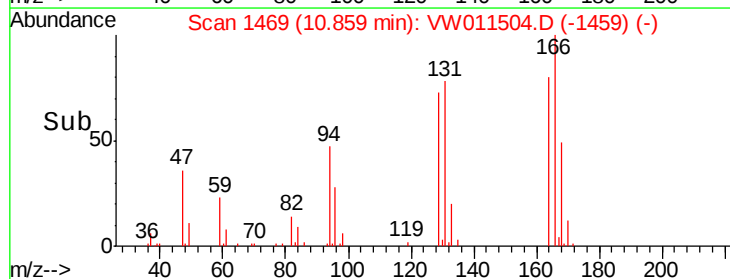
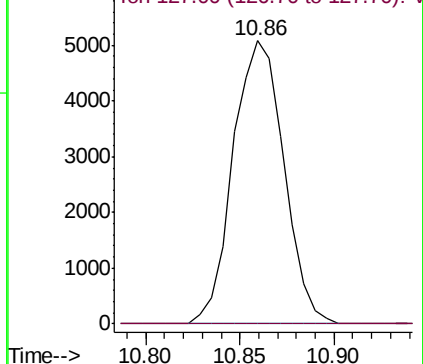
129 100

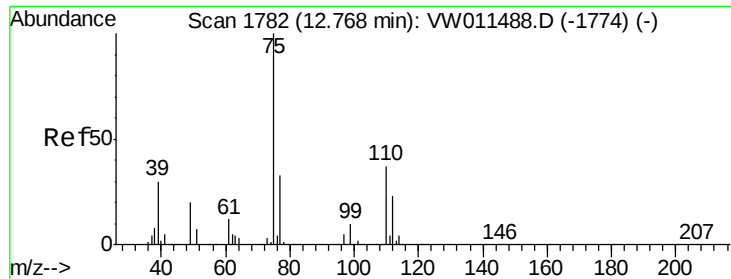
127 0.0 53.9 100.1#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 4.982 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

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Tgt Ion: 75 Resp: 17230

Ion Ratio Lower Upper

75 100

77 37.8 25.8 38.8

