

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR092118\  
 Data File : VR025814.D  
 Acq On : 21 Sep 2018 23:04  
 Operator : SY/MD  
 Sample : J5030-01  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 BEY70

Quant Time: Sep 22 05:40:16 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR092118WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Sep 22 04:37:34 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 450837   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 356236   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 117985   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 138208   | 4.28     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 85.60% |
| 7) Chloroethane-d5             | 2.62   | 69    | 112406   | 4.43     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 88.60% |
| 11) 1,1-Dichloroethene-d2      | 3.61   | 63    | 237673   | 3.04     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 60.80% |
| 20) 2-Butanone-d5              | 6.59   | 46    | 211802   | 49.22    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 98.44% |
| 24) Chloroform-d               | 7.20   | 84    | 276629   | 4.08     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 81.60% |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 129603   | 4.44     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.80% |
| 32) Benzene-d6                 | 7.85   | 84    | 573937   | 4.34     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.80% |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 159328   | 4.42     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 88.40% |
| 41) Toluene-d8                 | 9.97   | 98    | 505026   | 4.24     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 84.80% |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 33224    | 3.33     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 66.60% |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 151605   | 45.48    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 90.96% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 60532    | 4.41     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 88.20% |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 84471    | 4.19     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 83.80% |

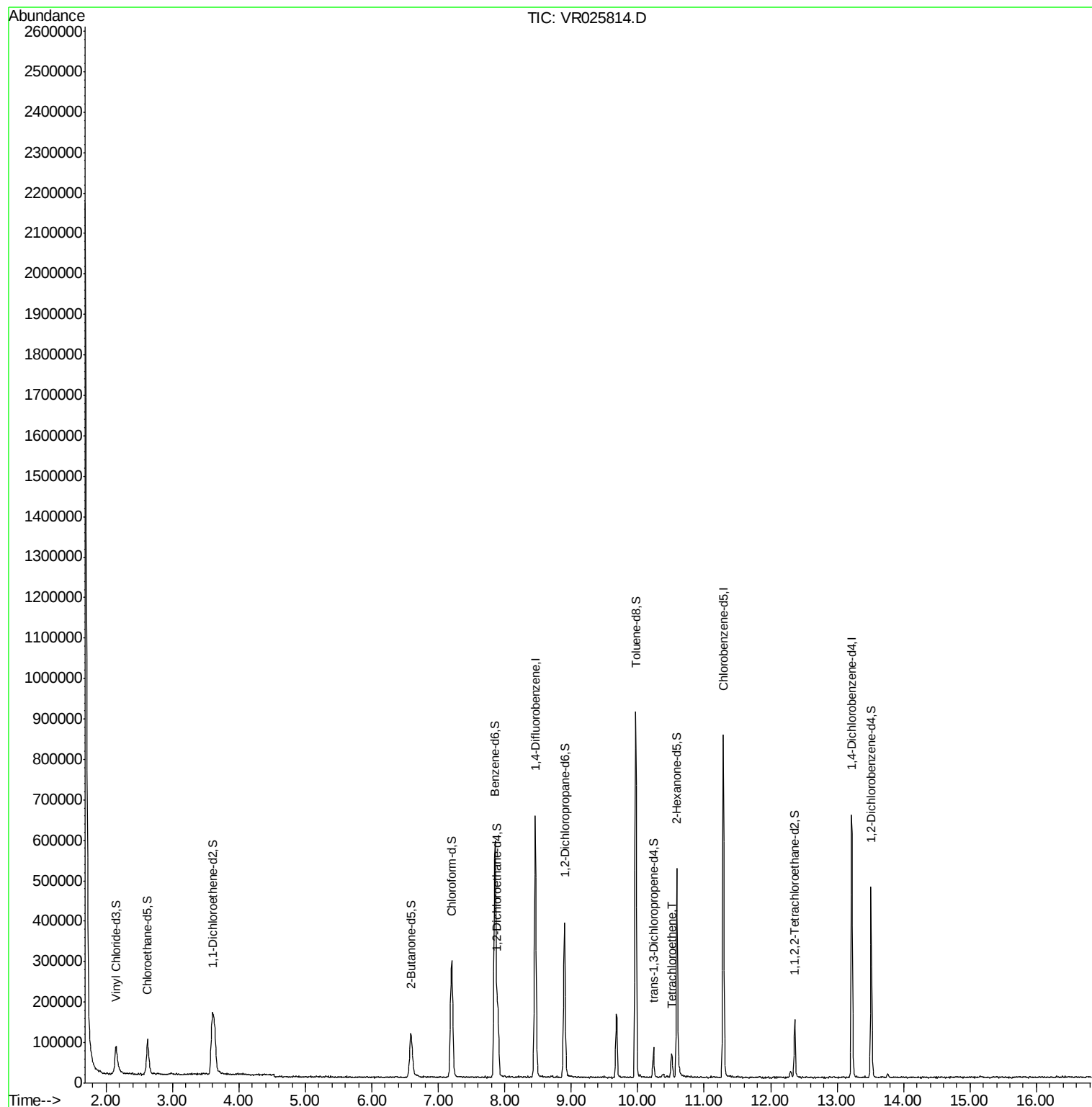
| Target Compounds      |       |     |       |            | Qvalue |
|-----------------------|-------|-----|-------|------------|--------|
| 47) Tetrachloroethene | 10.51 | 164 | 10327 | 0.364 ug/L | 88     |

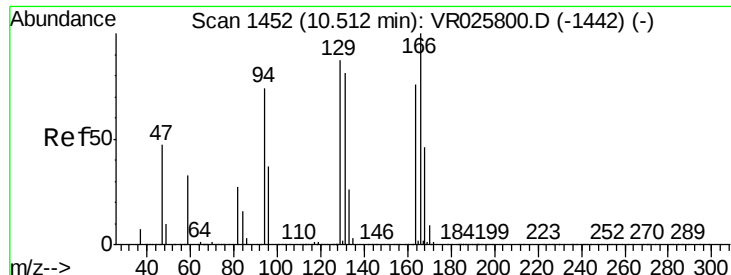
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#47

Tetrachloroethene

Concen: 0.364 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR025814.D

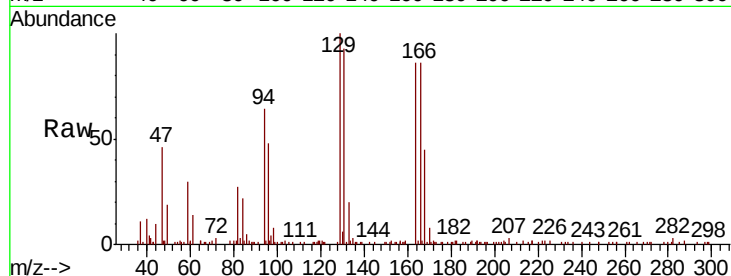
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Tgt Ion:164 Resp: 10327

Ion Ratio Lower Upper

164 100

129 113.6 80.8 150.2

131 105.9 74.5 138.3

166 97.9 92.5 171.7

Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

