

Data File : VW014816.D  
Acq On : 30 Jan 2020 19:03  
Operator : SY/VA  
Sample : L1323-01  
Misc : 5.07G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GAT41

Quant Time: Jan 31 01:12:18 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM012720S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jan 31 01:08:17 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1432240  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 1237617  | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 540469   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 385700   | 17.00    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 68.00% |
| 7) Chloroethane-d5             | 2.89   | 69    | 373415   | 19.37    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.48% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 690023   | 16.81    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 67.24% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 260107   | 40.38    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 80.76% |
| 24) Chloroform-d               | 7.65   | 84    | 878983   | 22.23    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 88.92% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 466797   | 21.92    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 87.68% |
| 29) Benzene-d6                 | 8.27   | 84    | 1890163  | 24.27    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 97.08% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 599256   | 24.75    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 99.00% |
| 37) Toluene-d8                 | 10.32  | 98    | 1651490  | 23.80    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 95.20% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 225758   | 23.40    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 93.60% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 205401   | 45.21    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 90.42% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 398247   | 20.96    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 83.84% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 496639   | 23.45    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 93.80% |

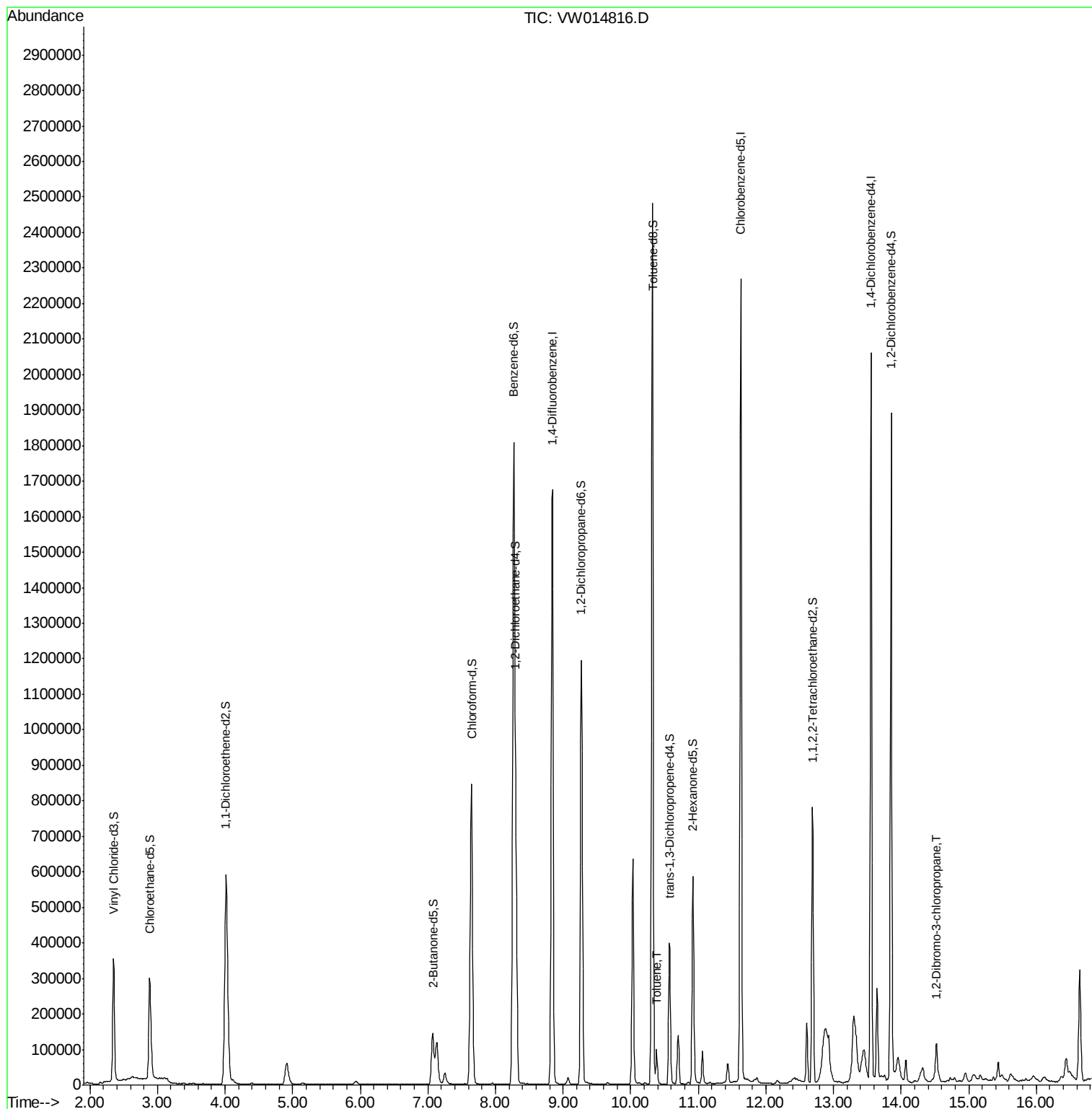
| Target Compounds               |       |    |       |              | Qvalue |
|--------------------------------|-------|----|-------|--------------|--------|
| 44) Toluene                    | 10.38 | 91 | 71425 | 0.887 ug/L   | 97     |
| 66) 1,2-Dibromo-3-chloropropan | 14.52 | 75 | 6183  | 2.375 ug/L # | 3      |

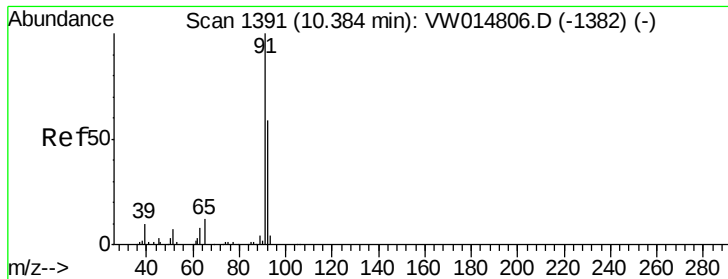
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#44

Toluene

Concen: 0.887 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

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Instrument :

MSVOA\_W

ClientSampleId :

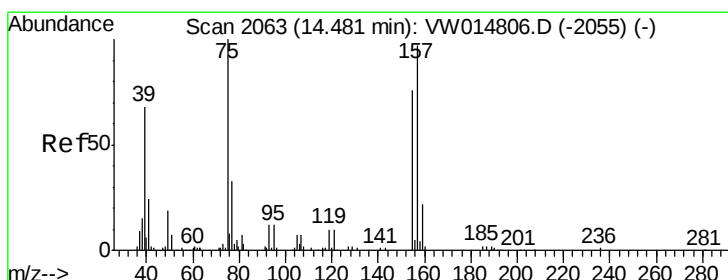
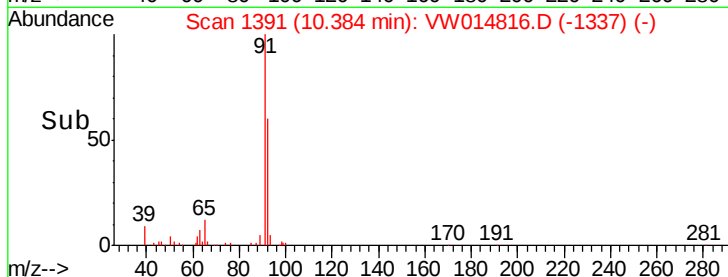
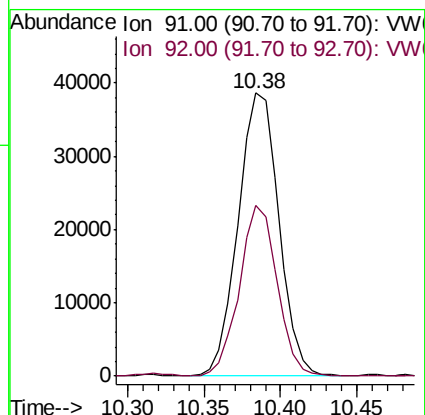
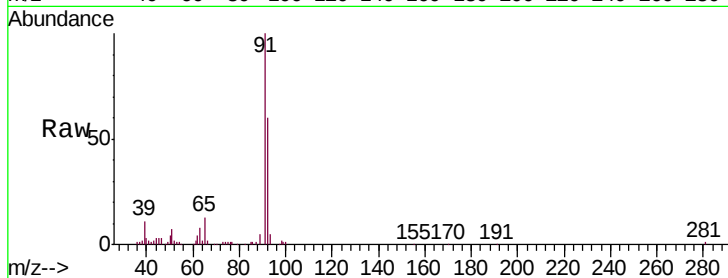
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Tgt Ion: 91 Resp: 71425

Ion Ratio Lower Upper

91 100

92 60.1 40.7 75.7



#66

1,2-Dibromo-3-chloropropane

Concen: 2.375 ug/L

RT: 14.52 min Scan# 2069

Delta R.T. 0.04 min

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Tgt Ion: 75 Resp: 6183

Ion Ratio Lower Upper

75 100

157 0.0 84.9 127.3#

155 2.4 67.1 100.7#

