

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW042419\  
 Data File : VW010137.D  
 Acq On : 25 Apr 2019 12:17  
 Operator : SY/VA  
 Sample : K2403-13  
 Misc : 5.09G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VHBLK01

Quant Time: Apr 26 01:07:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM042419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 26 01:05:00 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 804764   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 762536   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 354989   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 182396   | 23.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 94.84%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 155363   | 24.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 97.76%  |
| 10) 1,1-Dichloroethene-d2      | 4.19   | 63    | 376      | 0.02     | ug/L | 0.17    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 0.08%#  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 180073   | 49.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 99.14%  |
| 24) Chloroform-d               | 7.65   | 84    | 496617   | 23.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 92.72%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 299101   | 23.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 95.48%  |
| 29) Benzene-d6                 | 8.27   | 84    | 1027706  | 23.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 95.20%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 324265   | 24.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 96.32%  |
| 37) Toluene-d8                 | 10.32  | 98    | 928549   | 23.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 94.68%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 139242   | 22.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 89.76%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 141612   | 50.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 100.10% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 269471   | 24.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 96.44%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 334347   | 25.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 101.76% |

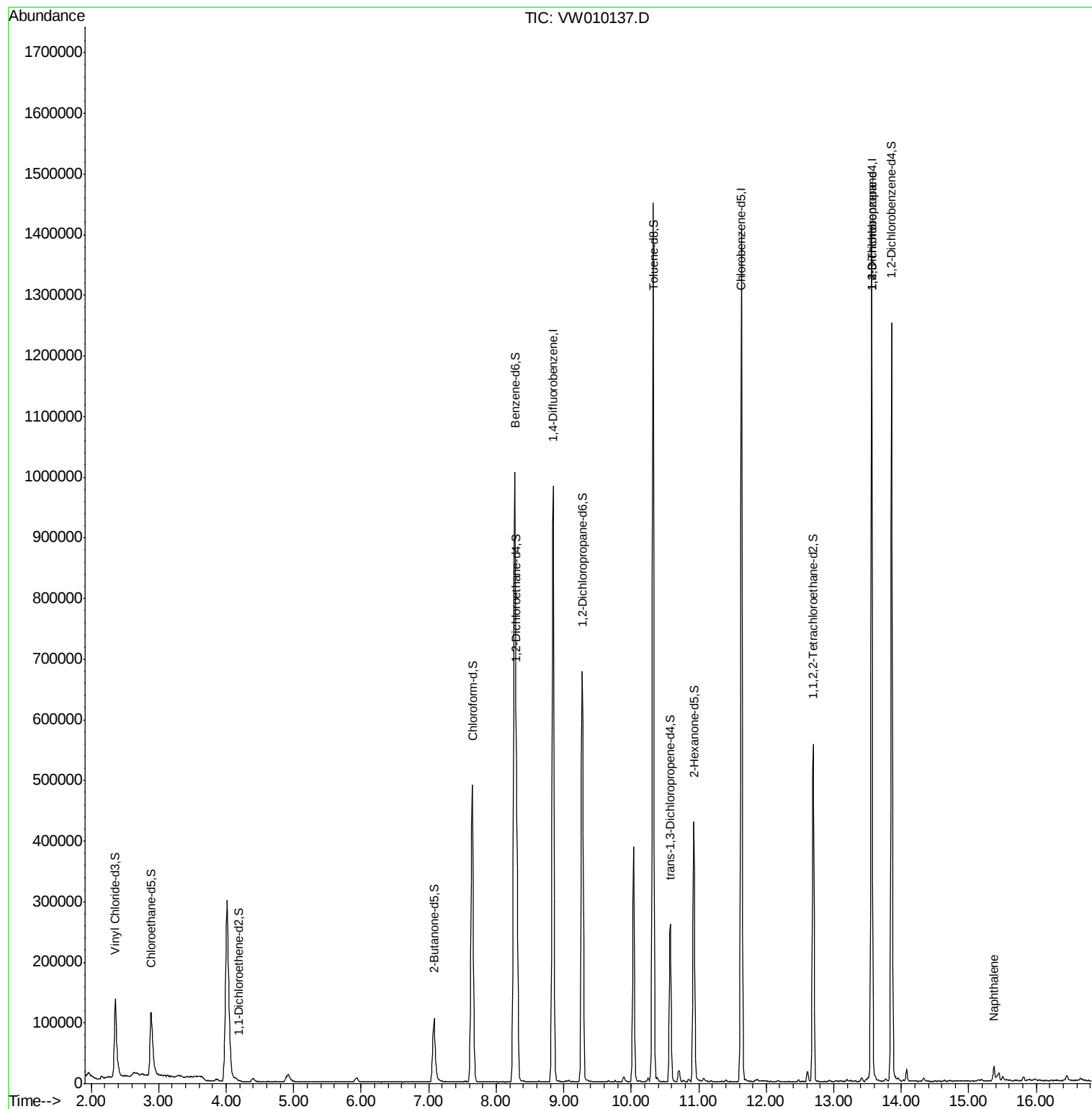
| Target Compounds           |       |     |       |            | Qvalue |
|----------------------------|-------|-----|-------|------------|--------|
| 59) 1,2,3-Trichloropropane | 13.56 | 75  | 41763 | 5.017 ug/L | 89     |
| 69) Naphthalene            | 15.37 | 128 | 20242 | 0.608 ug/L | 96     |

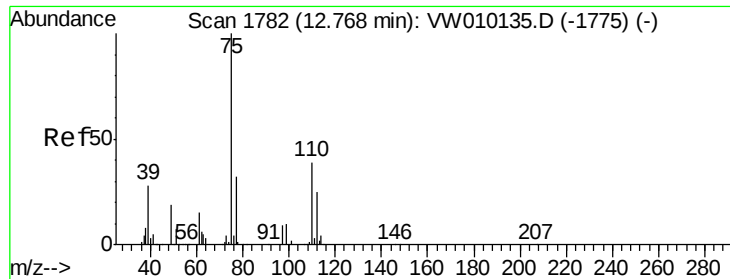
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : K2403-13  
Misc : 5.09G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VHBLK01

Quant Time: Apr 26 01:07:50 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM042419S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Apr 26 01:05:00 2019  
Response via : Initial Calibration





#59

1,2,3-Trichloropropane

Concen: 5.017 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW010137.D

Acq: 25 Apr 2019 12:17

Instrument :

MSVOA\_W

ClientSampleId :

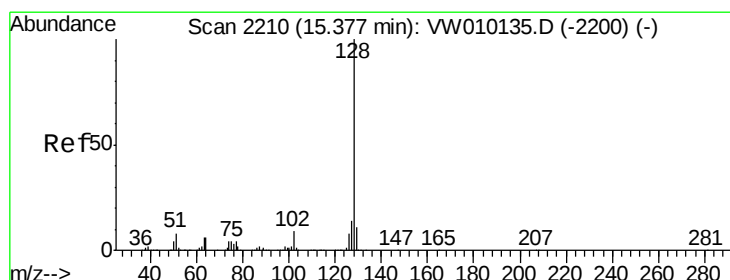
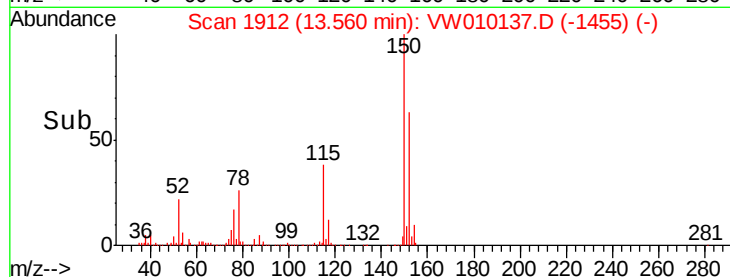
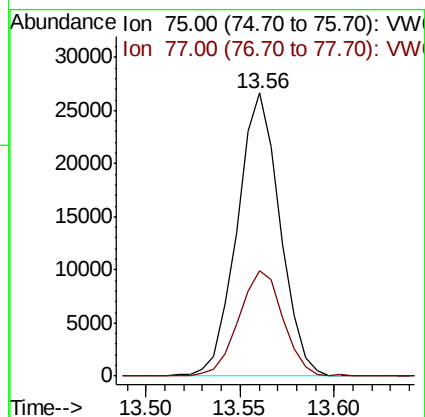
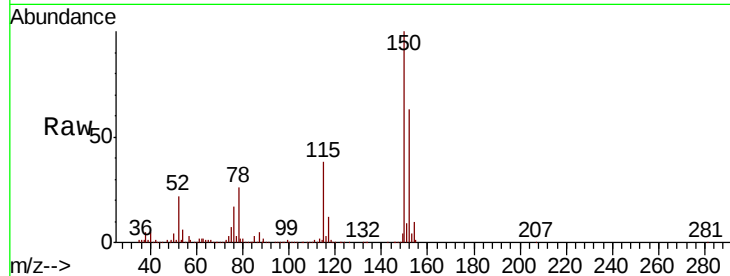
VHBLK01

Tgt Ion: 75 Resp: 41763

Ion Ratio Lower Upper

75 100

77 38.6 26.1 39.1



#69

Naphthalene

Concen: 0.608 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010137.D

Acq: 25 Apr 2019 12:17

Tgt Ion: 128 Resp: 20242

Ion Ratio Lower Upper

128 100

129 11.6 8.6 13.0

127 11.5 10.8 16.2

