

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW040819\  
 Data File : VW009831.D  
 Acq On : 09 Apr 2019 10:18  
 Operator : SY/VA  
 Sample : K2303-05  
 Misc : 5.49G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF8A0

Quant Time: Apr 10 01:00:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 10 00:56:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 486112   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 466371   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 205362   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 123052   | 19.34    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.36% |
| 7) Chloroethane-d5             | 2.89   | 69    | 114064   | 19.57    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.28% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 223969   | 16.37    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 65.48% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 91344    | 44.23    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 88.46% |
| 24) Chloroform-d               | 7.64   | 84    | 302727   | 22.82    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.28% |
| 26) 1,2-Dichloroethane-d4      | 8.41   | 65    | 221      | 0.03     | ug/L | 0.10   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.12%# |
| 29) Benzene-d6                 | 8.27   | 84    | 546180   | 22.31    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 89.24% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 173052   | 22.89    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 91.56% |
| 37) Toluene-d8                 | 10.32  | 98    | 491555   | 21.72    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 86.88% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 72775    | 20.18    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 80.72% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 56148    | 39.39    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 78.78% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 146561   | 20.85    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 83.40% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 172873   | 23.99    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 95.96% |

## Target Compounds

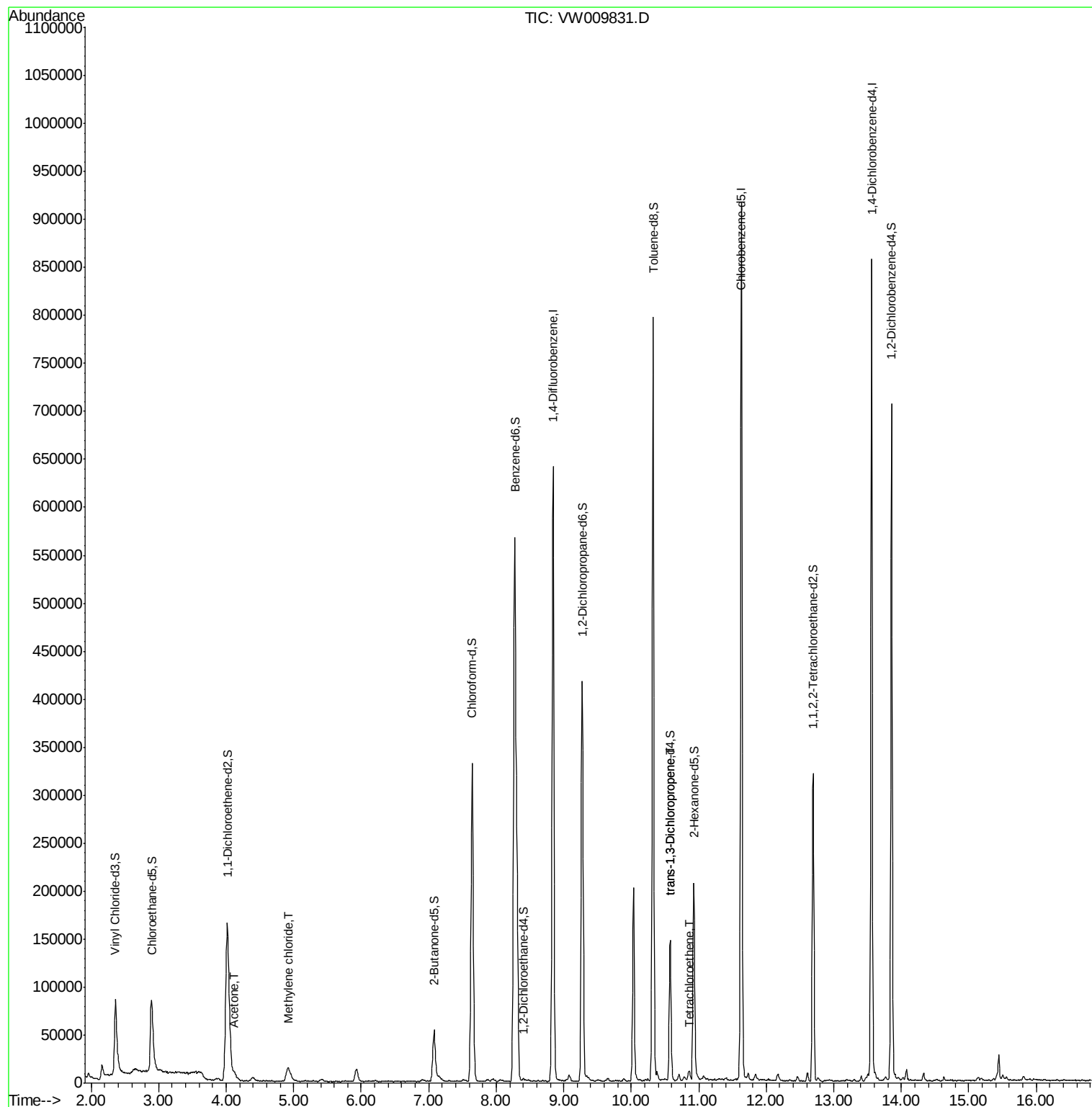
|                               |       |     |       |              | Qvalue |
|-------------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone                   | 4.12  | 43  | 8593  | 3.883 ug/L   | 99     |
| 16) Methylene chloride        | 4.92  | 84  | 13849 | 1.615 ug/L   | 90     |
| 45) trans-1,3-Dichloropropene | 10.57 | 75  | 5204  | 0.542 ug/L # | 56     |
| 47) Tetrachloroethene         | 10.85 | 164 | 1782  | 0.308 ug/L   | 87     |

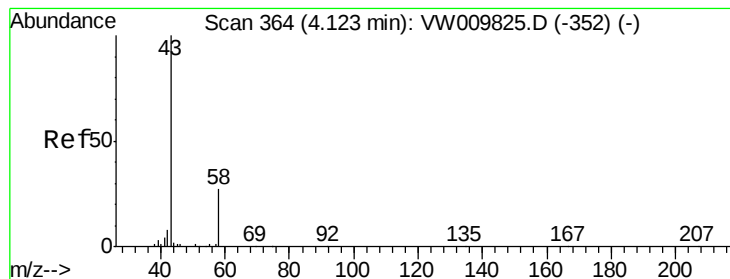
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 3.883 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW009831.D

Acq: 09 Apr 2019 10:18

Instrument :

MSVOA\_W

ClientSampleId :

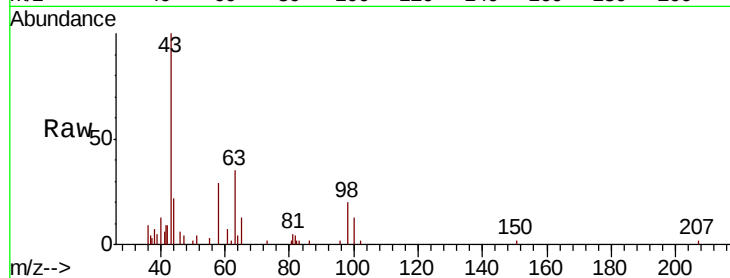
BF8A0

Tgt Ion: 43 Resp: 8593

Ion Ratio Lower Upper

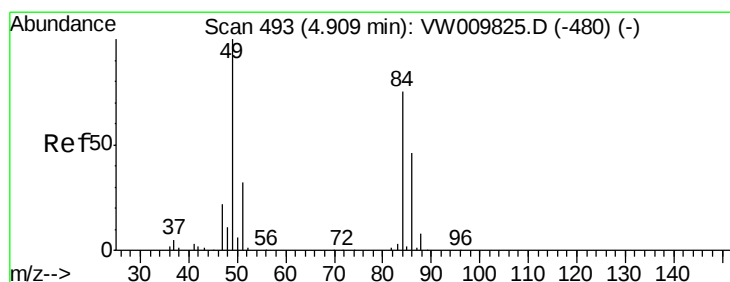
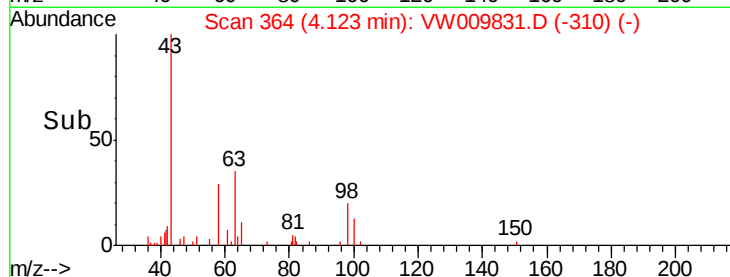
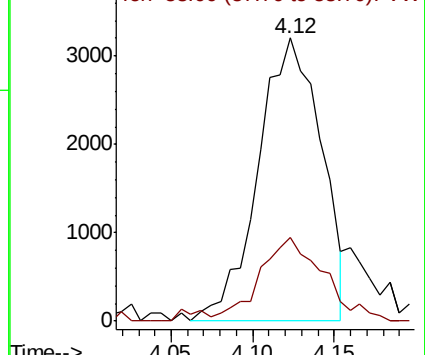
43 100

58 26.0 0.0 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 1.615 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW009831.D

Acq: 09 Apr 2019 10:18

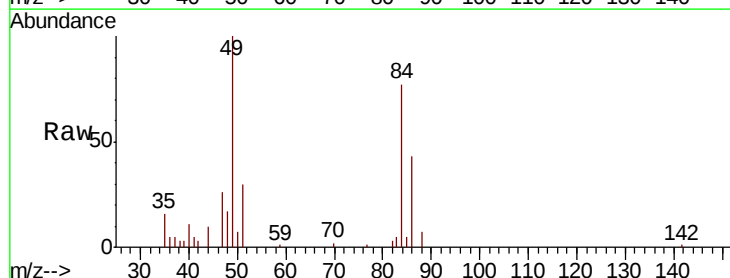
Tgt Ion: 84 Resp: 13849

Ion Ratio Lower Upper

84 100

49 129.6 98.3 182.5

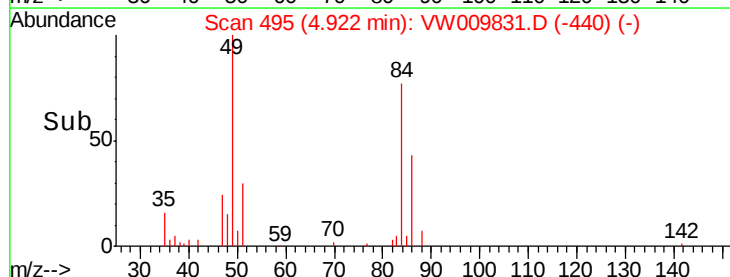
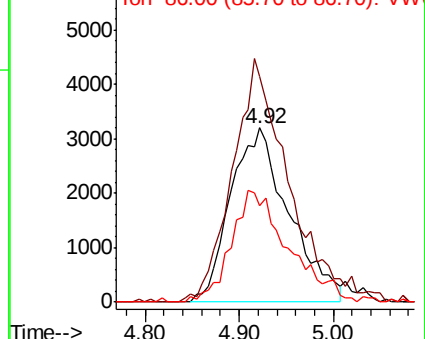
86 55.2 46.4 86.2

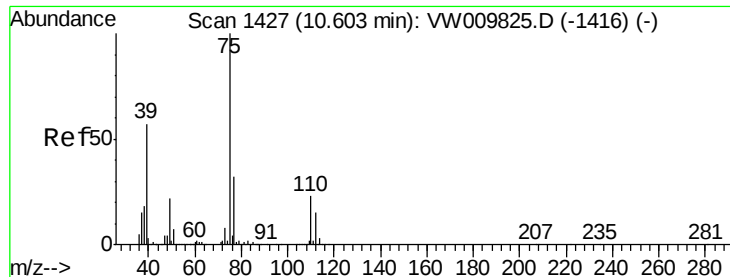


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.542 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW009831.D

Acq: 09 Apr 2019 10:18

Instrument :

MSVOA\_W

ClientSampled :

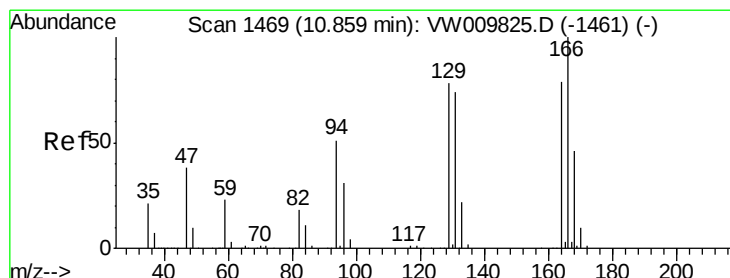
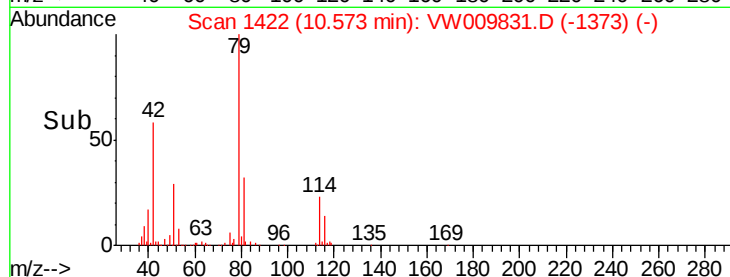
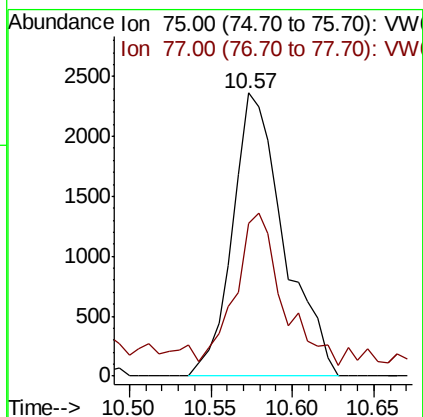
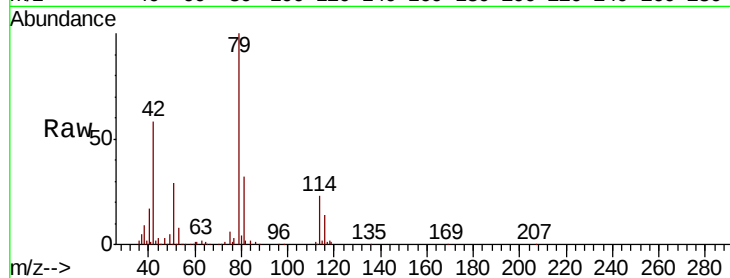
BF8A0

Tgt Ion: 75 Resp: 5204

Ion Ratio Lower Upper

75 100

77 54.2 21.1 39.3#



#47

Tetrachloroethene

Concen: 0.308 ug/L

RT: 10.85 min Scan# 1468

Delta R.T. -0.01 min

Lab File: VW009831.D

Acq: 09 Apr 2019 10:18

Tgt Ion: 164 Resp: 1782

Ion Ratio Lower Upper

164 100

129 82.3 68.9 127.9

131 72.7 63.1 117.1

166 118.2 88.5 164.4

