

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW042419\  
 Data File : VW010140.D  
 Acq On : 25 Apr 2019 13:43  
 Operator : SY/VA  
 Sample : K2481-16  
 Misc : 5.01G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAHW9

Quant Time: Apr 26 01:08:04 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  | 375104   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 348682   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 147985   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 84270    | 23.50    | ug/L | -0.01  |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 94.00% |
| 7) Chloroethane-d5             | 2.89   | 69    | 71474    | 24.12    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.48% |
| 10) 1,1-Dichloroethene-d2      | 3.99   | 63    | 153354   | 14.57    | ug/L | -0.02  |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 58.28% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 51868    | 30.63    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 61.26% |
| 24) Chloroform-d               | 7.65   | 84    | 219865   | 22.02    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 88.08% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 115252   | 19.73    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 78.92% |
| 29) Benzene-d6                 | 8.27   | 84    | 448645   | 22.72    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 90.88% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 137663   | 22.36    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 89.44% |
| 37) Toluene-d8                 | 10.32  | 98    | 394829   | 22.01    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 88.04% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 49616    | 17.49    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 69.96% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 35807    | 27.68    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 55.36% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 89841    | 17.58    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 70.32% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 129039   | 23.55    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 94.20% |

## Target Compounds

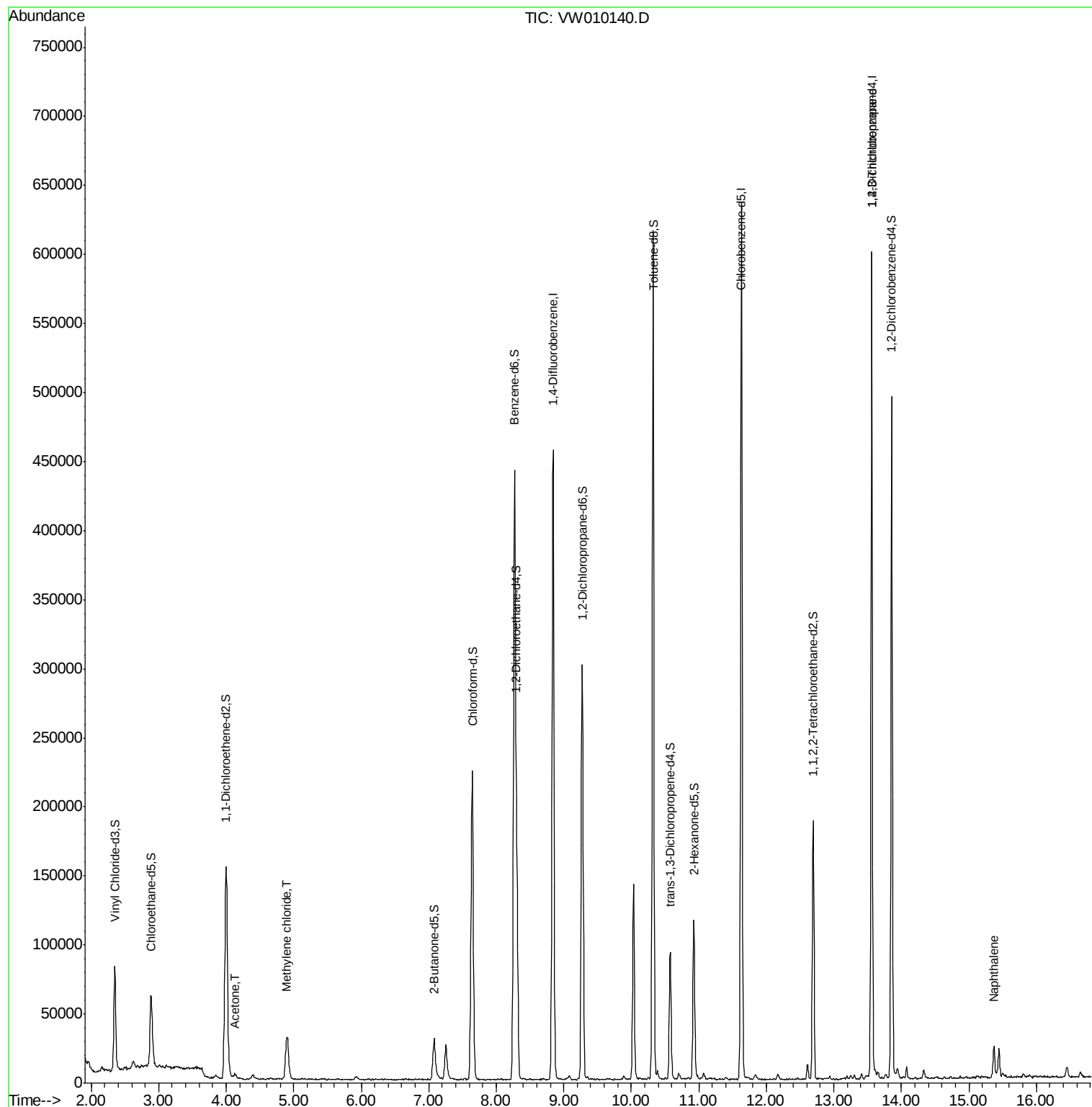
|                            |       |     |       |              | Qvalue |
|----------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone                | 4.12  | 43  | 2714  | 2.124 ug/L   | 79     |
| 16) Methylene chloride     | 4.90  | 84  | 22953 | 4.366 ug/L   | 89     |
| 59) 1,2,3-Trichloropropane | 13.56 | 75  | 18169 | 4.774 ug/L   | 91     |
| 69) Naphthalene            | 15.38 | 128 | 20524 | 1.479 ug/L # | 90     |

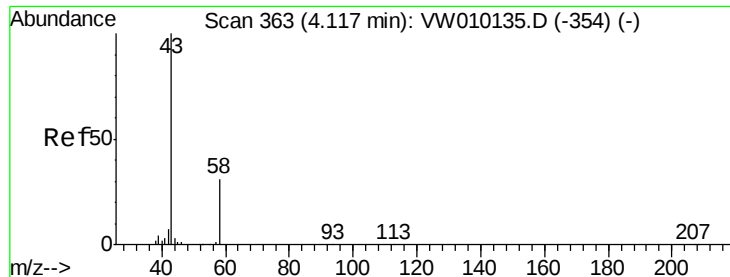
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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GAHW9

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Quant Title : VOC Analysis  
QLast Update : Fri Apr 26 01:05:00 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 2.124 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010140.D

Acq: 25 Apr 2019 13:43

Instrument :

MSVOA\_W

ClientSampled :

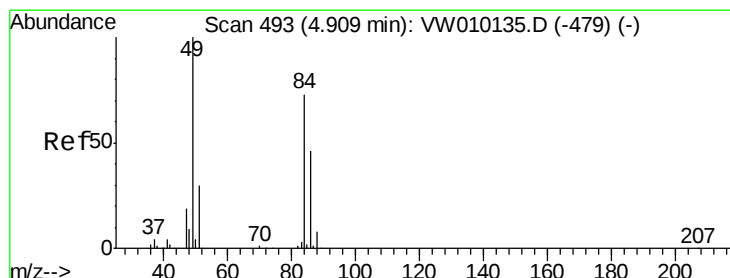
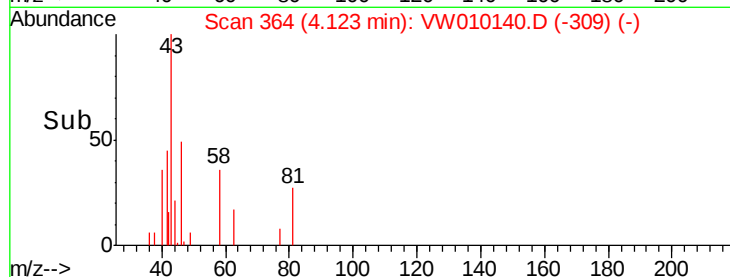
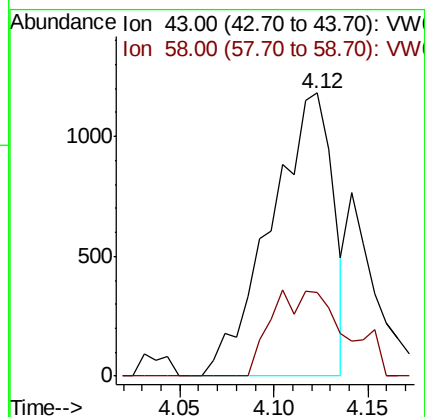
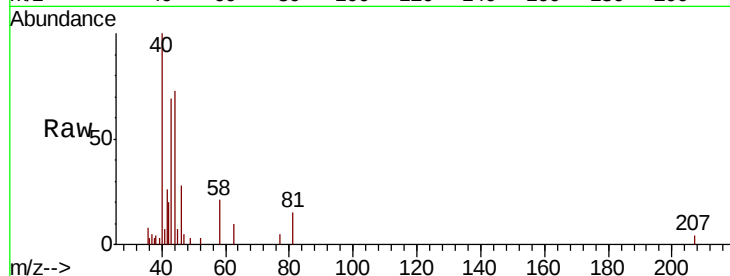
GAHW9

Tgt Ion: 43 Resp: 2714

Ion Ratio Lower Upper

43 100

58 17.8 0.0 58.2



#16

Methylene chloride

Concen: 4.366 ug/L

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW010140.D

Acq: 25 Apr 2019 13:43

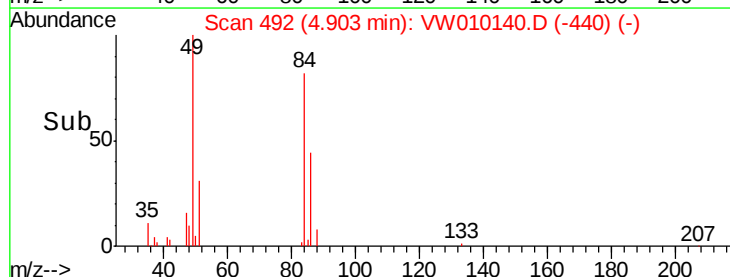
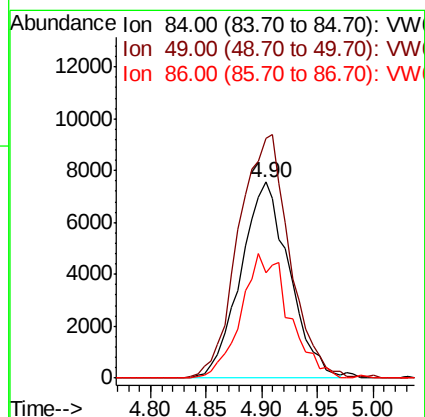
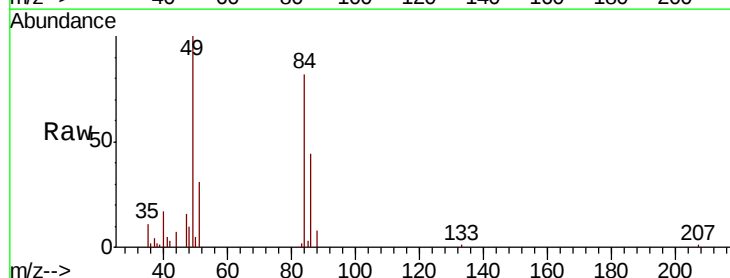
Tgt Ion: 84 Resp: 22953

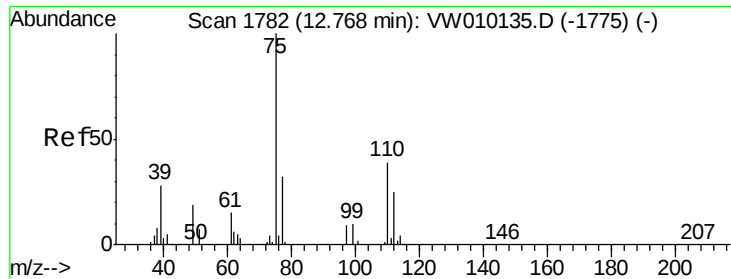
Ion Ratio Lower Upper

84 100

49 122.5 93.5 173.7

86 53.9 44.9 83.5

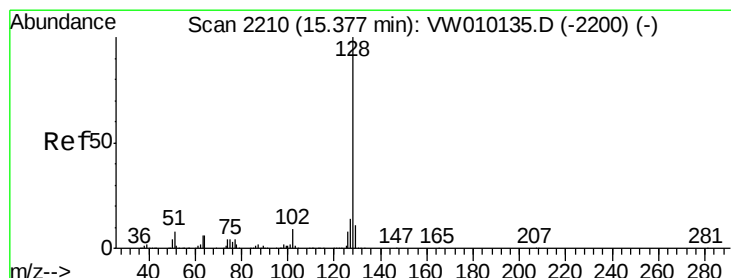
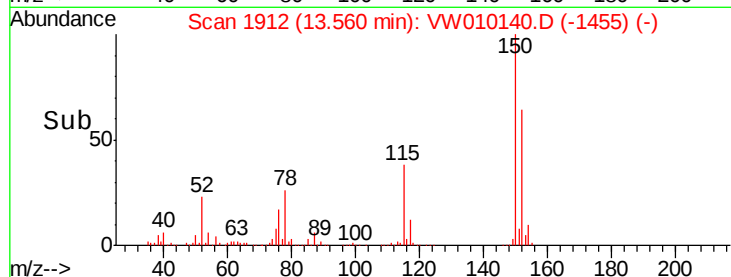
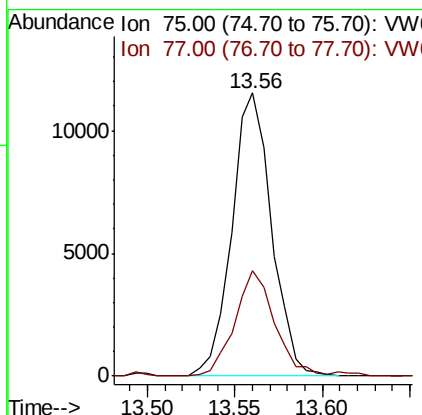
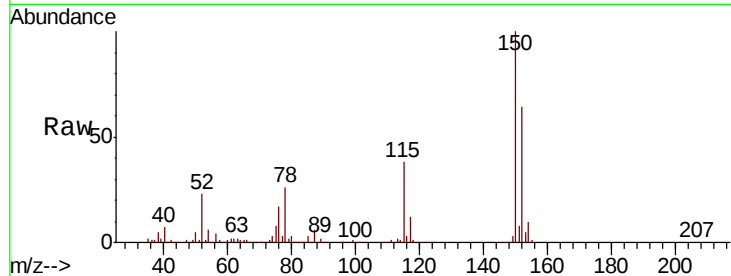




#59  
 1,2,3-Trichloropropane  
 Concen: 4.774 ug/L  
 RT: 13.56 min Scan# 1912  
 Delta R.T. 0.79 min  
 Lab File: VW010140.D  
 Acq: 25 Apr 2019 13:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAHW9

Tgt Ion: 75 Resp: 18169  
 Ion Ratio Lower Upper  
 75 100  
 77 37.5 26.1 39.1



#69  
 Naphthalene  
 Concen: 1.479 ug/L  
 RT: 15.38 min Scan# 2210  
 Delta R.T. 0.01 min  
 Lab File: VW010140.D  
 Acq: 25 Apr 2019 13:43

Tgt Ion: 128 Resp: 20524  
 Ion Ratio Lower Upper  
 128 100  
 129 6.5 8.6 13.0#  
 127 9.8 10.8 16.2#

