

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW041019\  
 Data File : VW009898.D  
 Acq On : 10 Apr 2019 23:49  
 Operator : SY/VA  
 Sample : K2254-04  
 Misc : 6.02G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFC25

Quant Time: Apr 11 03:49:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 11 03:44:42 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 431993   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 396934   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 150207   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 112259   | 19.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.44%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 108930   | 21.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 84.12%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 213800   | 17.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 70.36%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 115839   | 63.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 126.22% |
| 24) Chloroform-d               | 7.65   | 84    | 322990   | 27.40    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 109.60% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 206605   | 28.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 114.20% |
| 29) Benzene-d6                 | 8.27   | 84    | 574403   | 27.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 110.28% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 187553   | 29.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 116.56% |
| 37) Toluene-d8                 | 10.32  | 98    | 475547   | 24.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 98.72%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 72197    | 23.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 94.08%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 71777    | 59.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 118.34% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 176538   | 29.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 118.00% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 151964   | 28.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 115.32% |

## Target Compounds

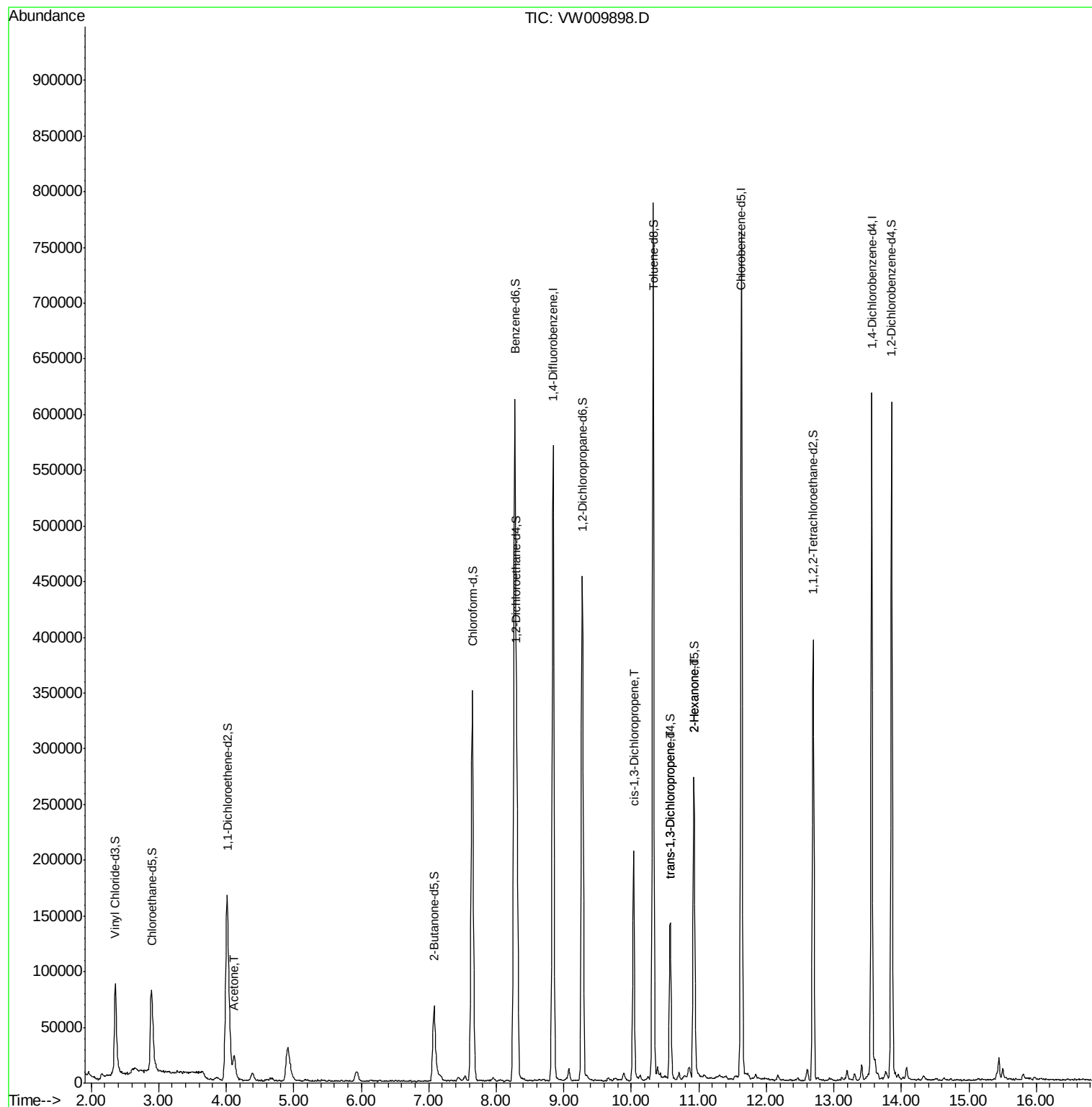
|                               |       |    |       |              | Qvalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 4.12  | 43 | 35178 | 17.888 ug/L  | 100    |
| 42) cis-1,3-Dichloropropene   | 10.04 | 75 | 5790  | 0.611 ug/L # | 57     |
| 45) trans-1,3-Dichloropropene | 10.58 | 75 | 4173  | 0.511 ug/L   | 91     |
| 49) 2-Hexanone                | 10.93 | 43 | 13489 | 3.815 ug/L # | 81     |

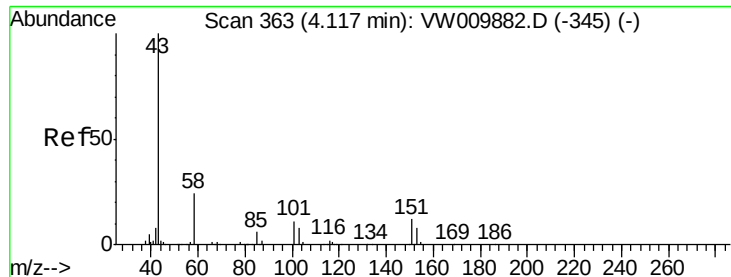
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 17.888 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW009898.D

Acq: 10 Apr 2019 23:49

Instrument :

MSVOA\_W

ClientSampled :

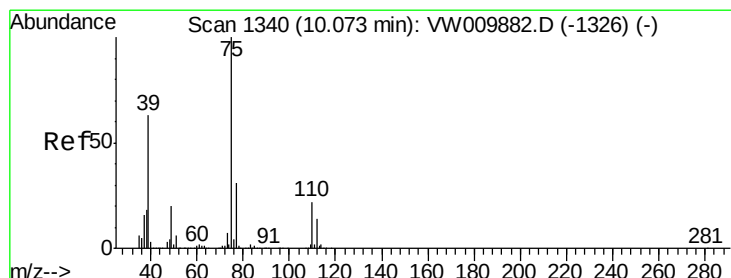
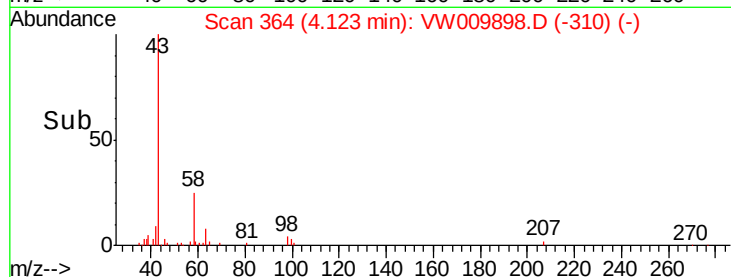
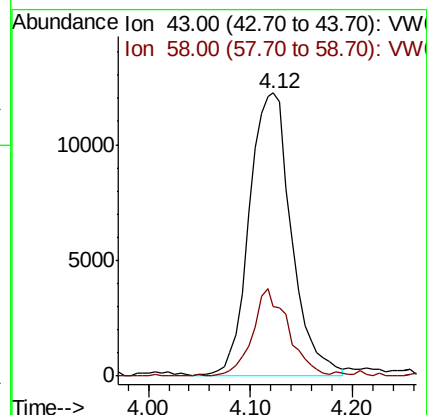
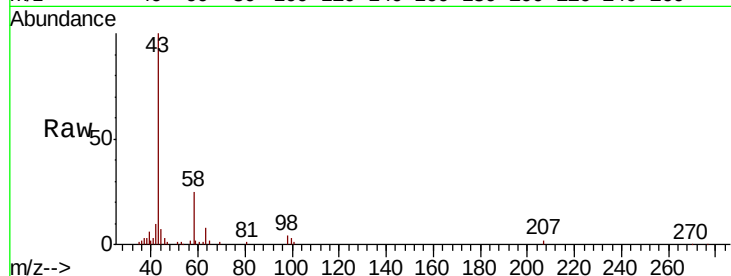
BFC25

Tgt Ion: 43 Resp: 35178

Ion Ratio Lower Upper

43 100

58 26.3 0.0 53.0



#42

cis-1,3-Dichloropropene

Concen: 0.611 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW009898.D

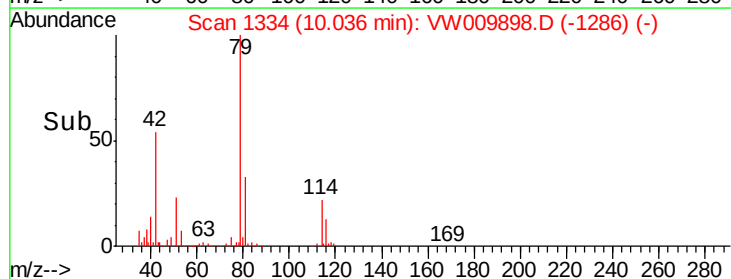
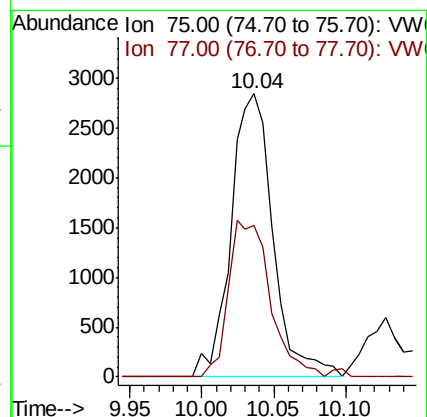
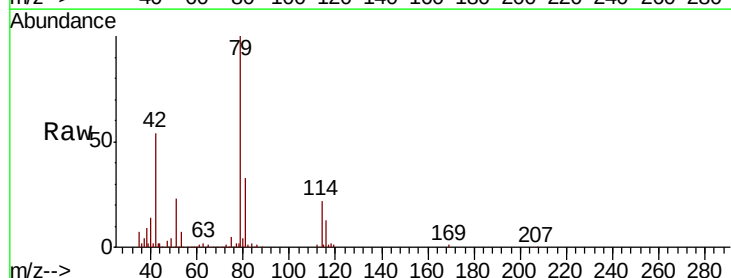
Acq: 10 Apr 2019 23:49

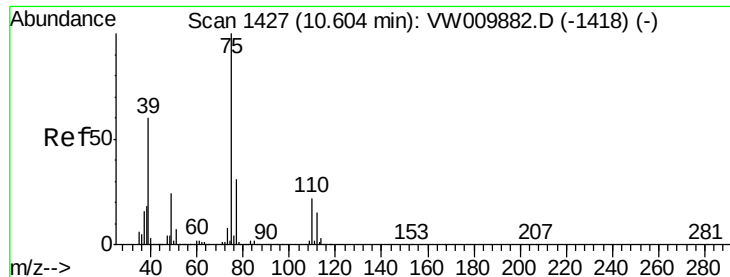
Tgt Ion: 75 Resp: 5790

Ion Ratio Lower Upper

75 100

77 53.4 21.0 39.0#





#45

trans-1,3-Dichloropropene

Concen: 0.511 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009898.D

Acq: 10 Apr 2019 23:49

Instrument :

MSVOA\_W

ClientSampled :

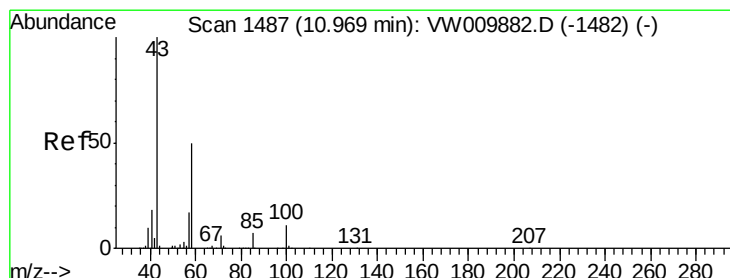
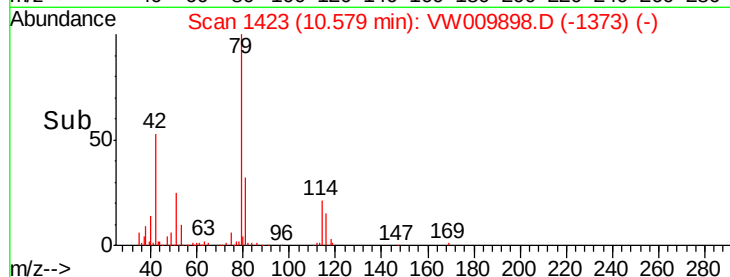
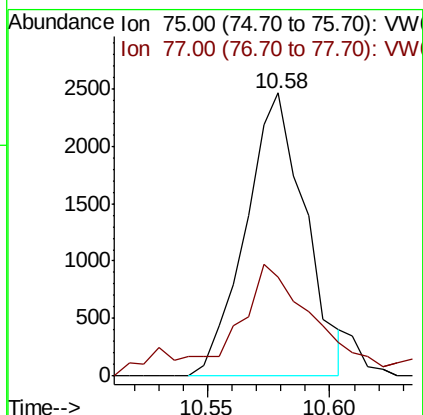
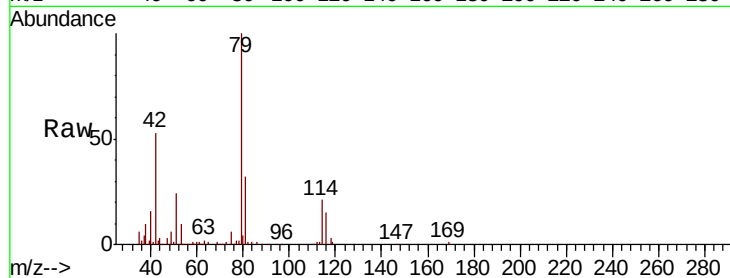
BFC25

Tgt Ion: 75 Resp: 4173

Ion Ratio Lower Upper

75 100

77 35.1 21.1 39.3



#49

2-Hexanone

Concen: 3.815 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW009898.D

Acq: 10 Apr 2019 23:49

Tgt Ion: 43 Resp: 13489

Ion Ratio Lower Upper

43 100

58 41.0 38.9 58.3

57 34.8 13.8 20.6#

100 4.2 8.6 13.0#

