

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW040519\  
 Data File : VW009730.D  
 Acq On : 05 Apr 2019 14:08  
 Operator : SY/VA  
 Sample : K2148-18  
 Misc : 4.55G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF5G2

Quant Time: Apr 06 03:55:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 06 03:51:49 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 416583   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 377675   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 119147   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 118007   | 21.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.60%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 116971   | 23.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.68%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 208091   | 17.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 71.00%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 79943    | 45.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 90.34%  |
| 24) Chloroform-d               | 7.65   | 84    | 274618   | 24.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 96.64%  |
| 26) 1,2-Dichloroethane-d4      | 8.38   | 65    | 121      | 0.02     | ug/L | 0.08    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.08%#  |
| 29) Benzene-d6                 | 8.27   | 84    | 528850   | 26.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 106.68% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 167568   | 27.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 109.44% |
| 37) Toluene-d8                 | 10.32  | 98    | 446591   | 24.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 97.44%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 39560    | 13.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 54.20%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 45510    | 39.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 78.86%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 125213   | 21.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 87.96%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 117370   | 28.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 112.28% |

## Target Compounds

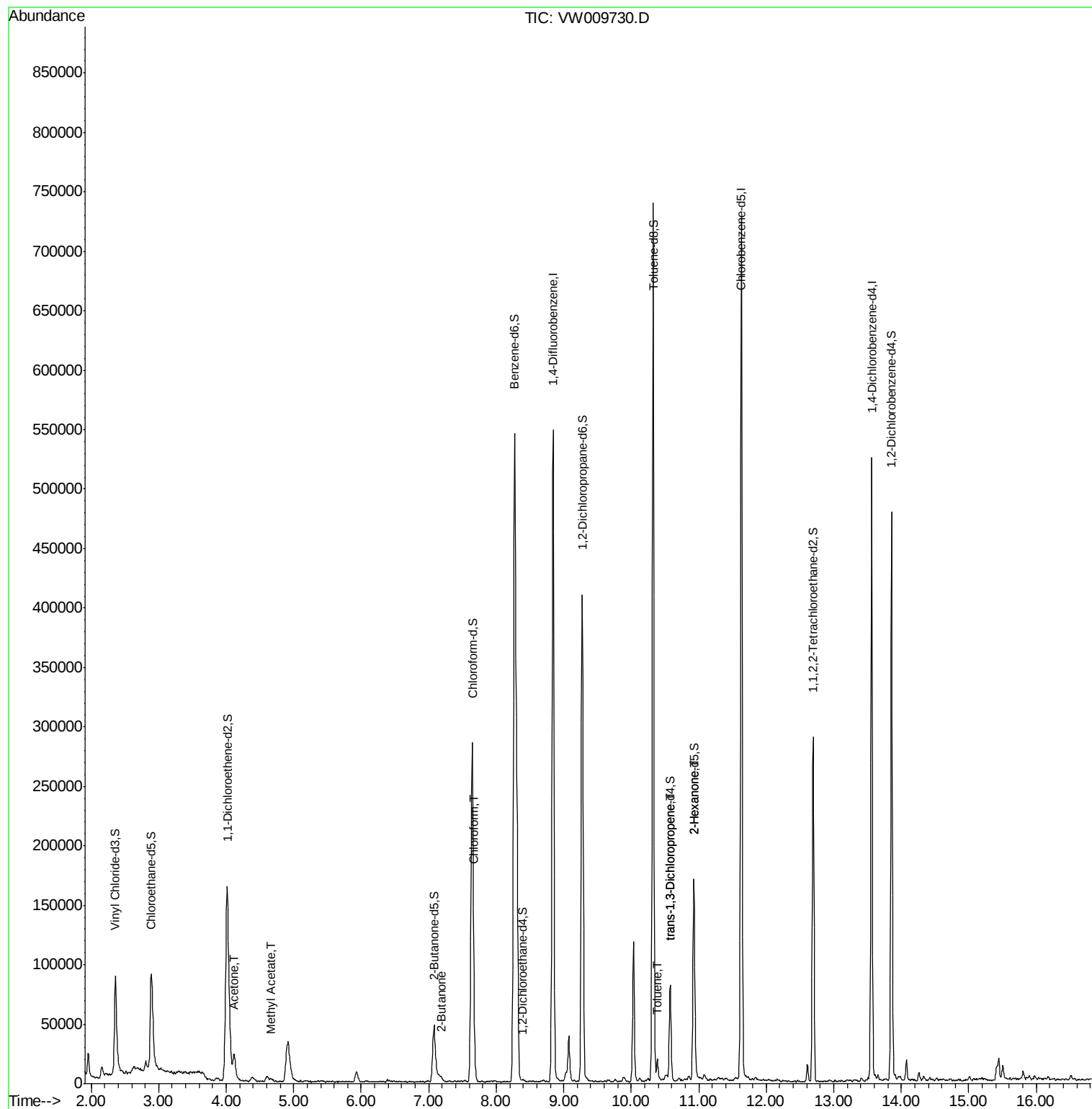
|                               |       |    |       |              | Qvalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 4.12  | 43 | 32995 | 17.399 ug/L  | 96     |
| 15) Methyl Acetate            | 4.67  | 43 | 2521  | 0.729 ug/L   | 95     |
| 21) 2-Butanone                | 7.18  | 43 | 4901  | 2.032 ug/L   | 78     |
| 25) Chloroform                | 7.67  | 83 | 15794 | 1.365 ug/L   | 94     |
| 44) Toluene                   | 10.38 | 91 | 11302 | 0.470 ug/L   | 100    |
| 45) trans-1,3-Dichloropropene | 10.58 | 75 | 2271  | 0.292 ug/L   | 99     |
| 49) 2-Hexanone                | 10.93 | 43 | 9202  | 2.735 ug/L # | 77     |

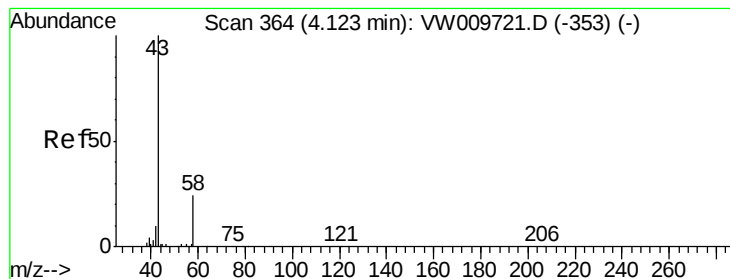
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Apr 06 03:51:49 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 17.399 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009730.D

Acq: 05 Apr 2019 14:08

Instrument :

MSVOA\_W

ClientSampled :

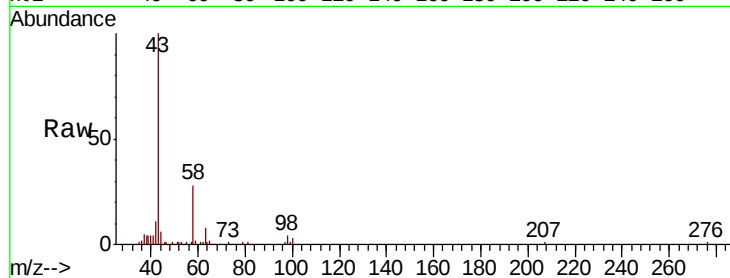
BF5G2

Tgt Ion: 43 Resp: 32995

Ion Ratio Lower Upper

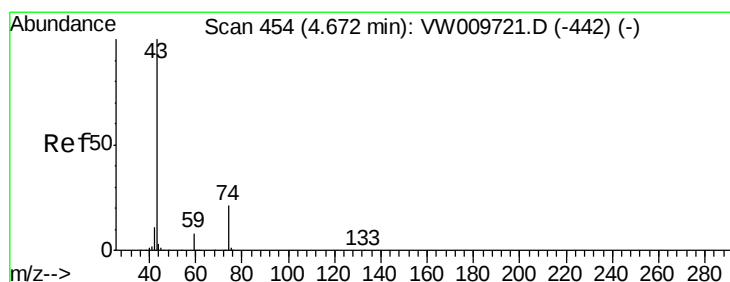
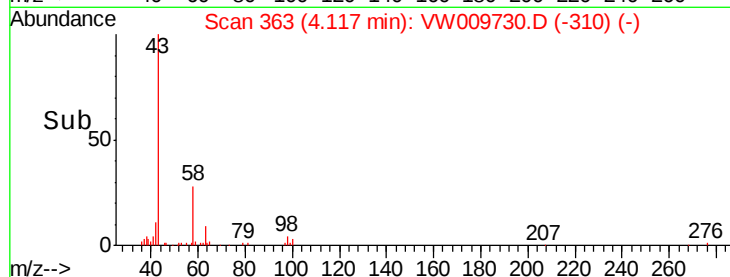
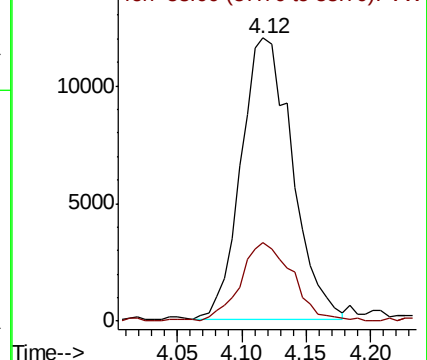
43 100

58 28.4 0.0 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#15

Methyl Acetate

Concen: 0.729 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW009730.D

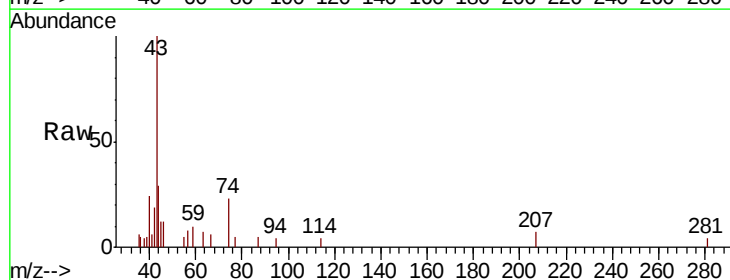
Acq: 05 Apr 2019 14:08

Tgt Ion: 43 Resp: 2521

Ion Ratio Lower Upper

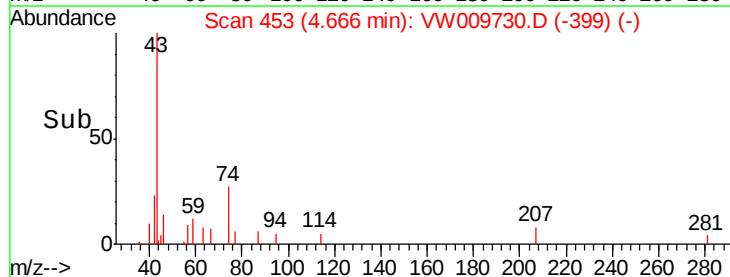
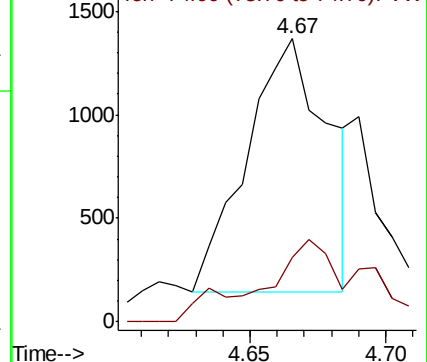
43 100

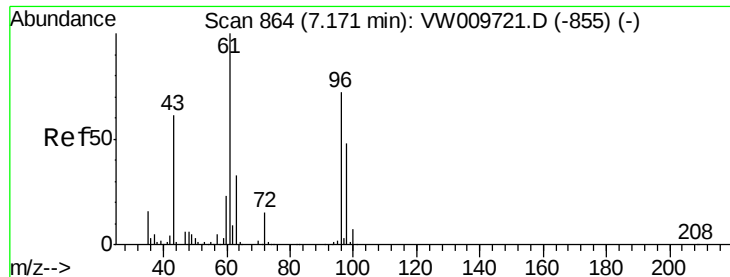
74 23.9 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#21

2-Butanone

Concen: 2.032 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009730.D

Acq: 05 Apr 2019 14:08

Instrument :

MSVOA\_W

ClientSampleId :

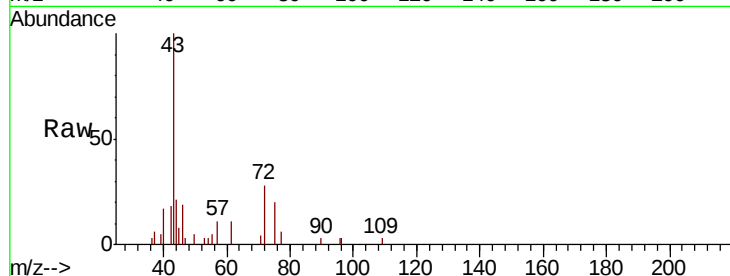
BF5G2

Tgt Ion: 43 Resp: 4901

Ion Ratio Lower Upper

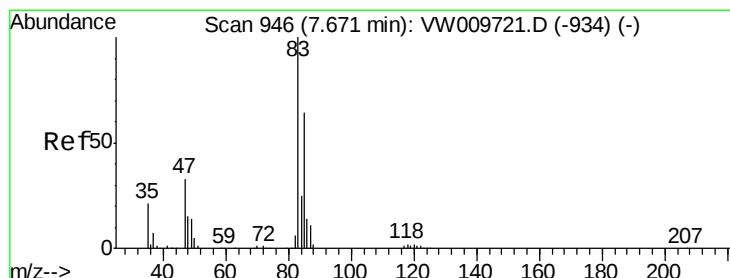
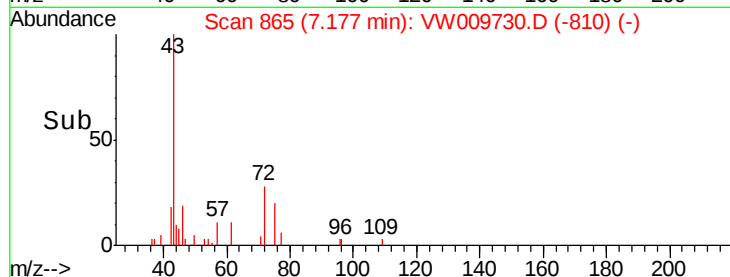
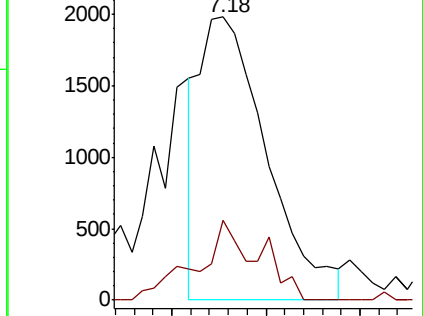
43 100

72 13.3 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#25

Chloroform

Concen: 1.365 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.01 min

Lab File: VW009730.D

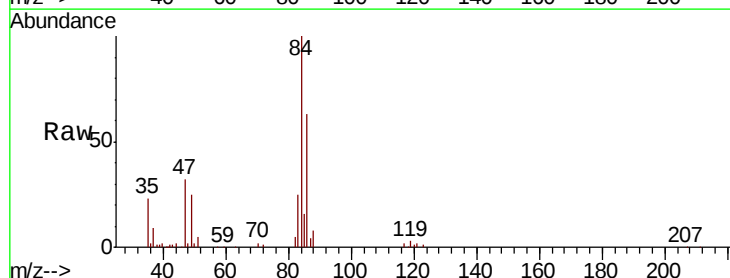
Acq: 05 Apr 2019 14:08

Tgt Ion: 83 Resp: 15794

Ion Ratio Lower Upper

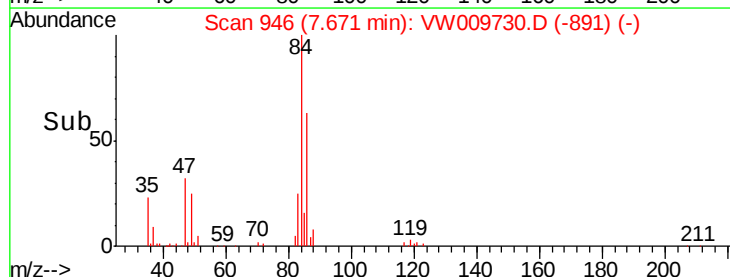
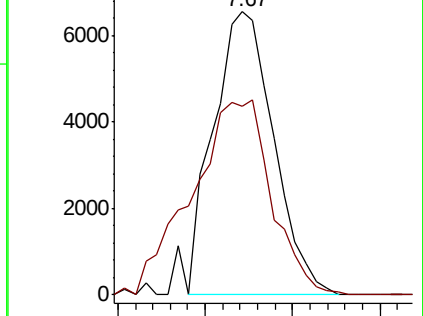
83 100

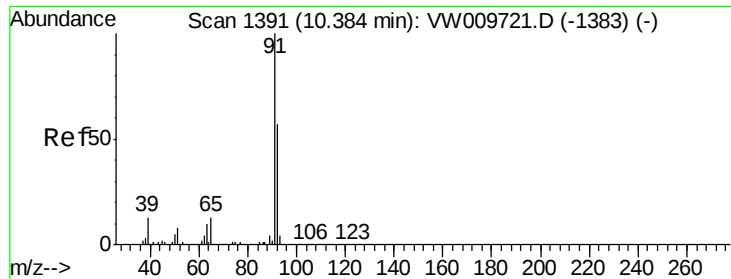
85 60.4 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#44

Toluene

Concen: 0.470 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009730.D

Acq: 05 Apr 2019 14:08

Instrument :

MSVOA\_W

ClientSampleId :

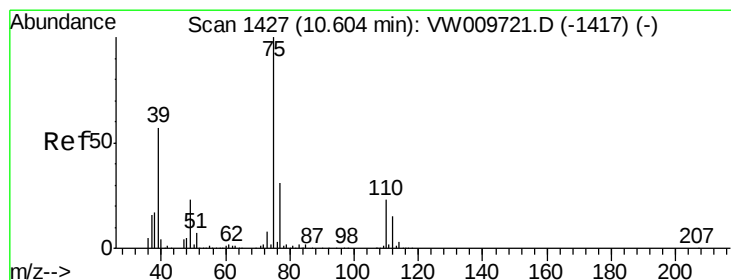
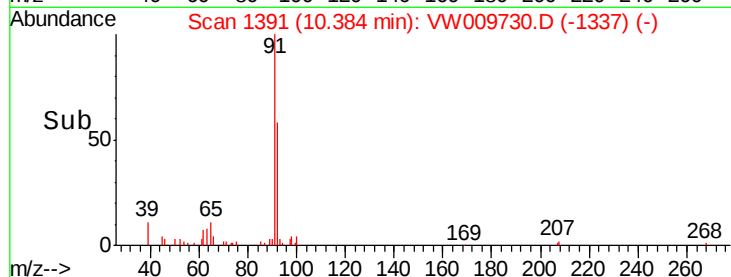
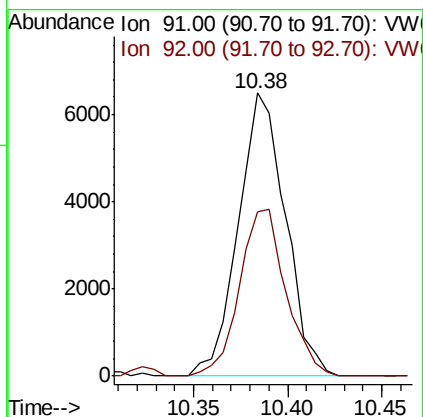
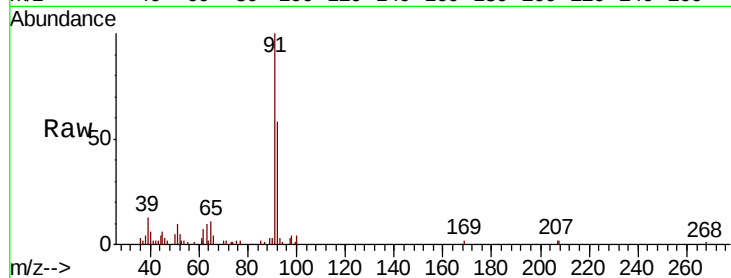
BF5G2

Tgt Ion: 91 Resp: 11302

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 0.292 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009730.D

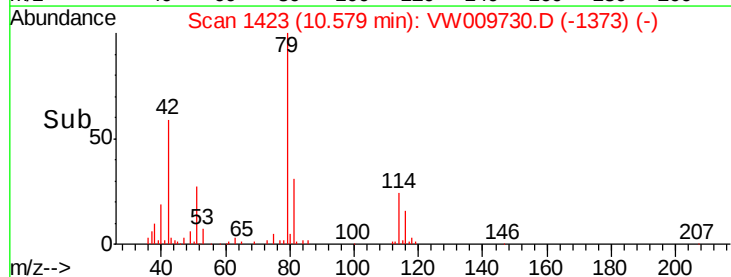
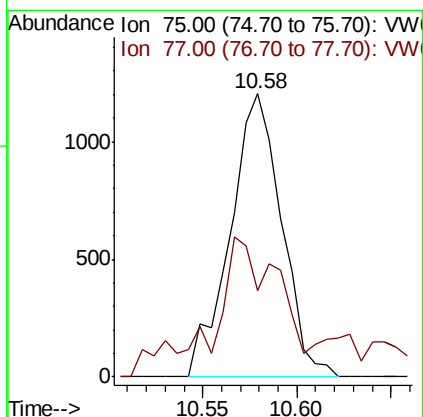
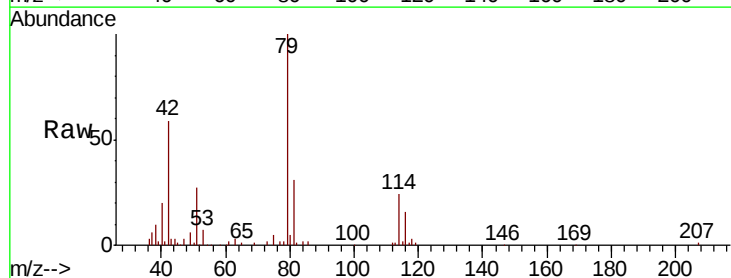
Acq: 05 Apr 2019 14:08

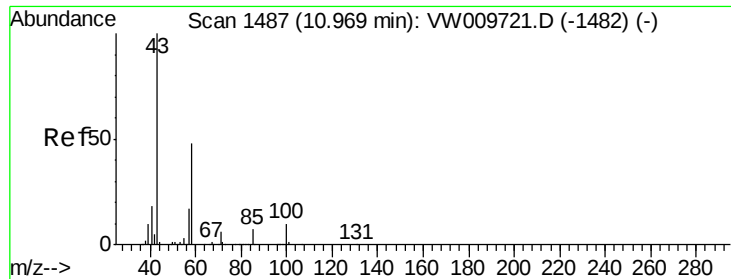
Tgt Ion: 75 Resp: 2271

Ion Ratio Lower Upper

75 100

77 30.6 21.1 39.3





#49  
 2-Hexanone  
 Concen: 2.735 ug/L  
 RT: 10.93 min Scan# 1480  
 Delta R.T. -0.04 min  
 Lab File: VW009730.D  
 Acq: 05 Apr 2019 14:08

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF5G2

Tgt Ion: 43 Resp: 9202  
 Ion Ratio Lower Upper  
 43 100  
 58 34.8 38.9 58.3#  
 57 29.8 13.8 20.6#  
 100 2.5 8.6 13.0#

