

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071619\  
 Data File : VW011284.D  
 Acq On : 16 Jul 2019 14:24  
 Operator : SY/VA  
 Sample : K3798-09  
 Misc : 3.76G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A52H6

Quant Time: Jul 17 08:17:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 17 07:20:32 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 301757   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 238345   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 79247    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.34   | 65    | 73569    | 15.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 63.88%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 62821    | 19.43    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.72%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 139063   | 14.25    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 57.00%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 104436   | 57.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 115.08% |
| 24) Chloroform-d               | 7.65   | 84    | 187884   | 22.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 90.88%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 122611   | 24.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 96.28%  |
| 29) Benzene-d6                 | 8.27   | 84    | 371341   | 25.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 101.16% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 129807   | 27.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 108.60% |
| 37) Toluene-d8                 | 10.32  | 98    | 303644   | 23.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 92.84%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 48296    | 23.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 95.00%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 68452    | 62.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 124.86% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 103417   | 26.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 104.60% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 68311    | 22.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.84%  |

## Target Compounds

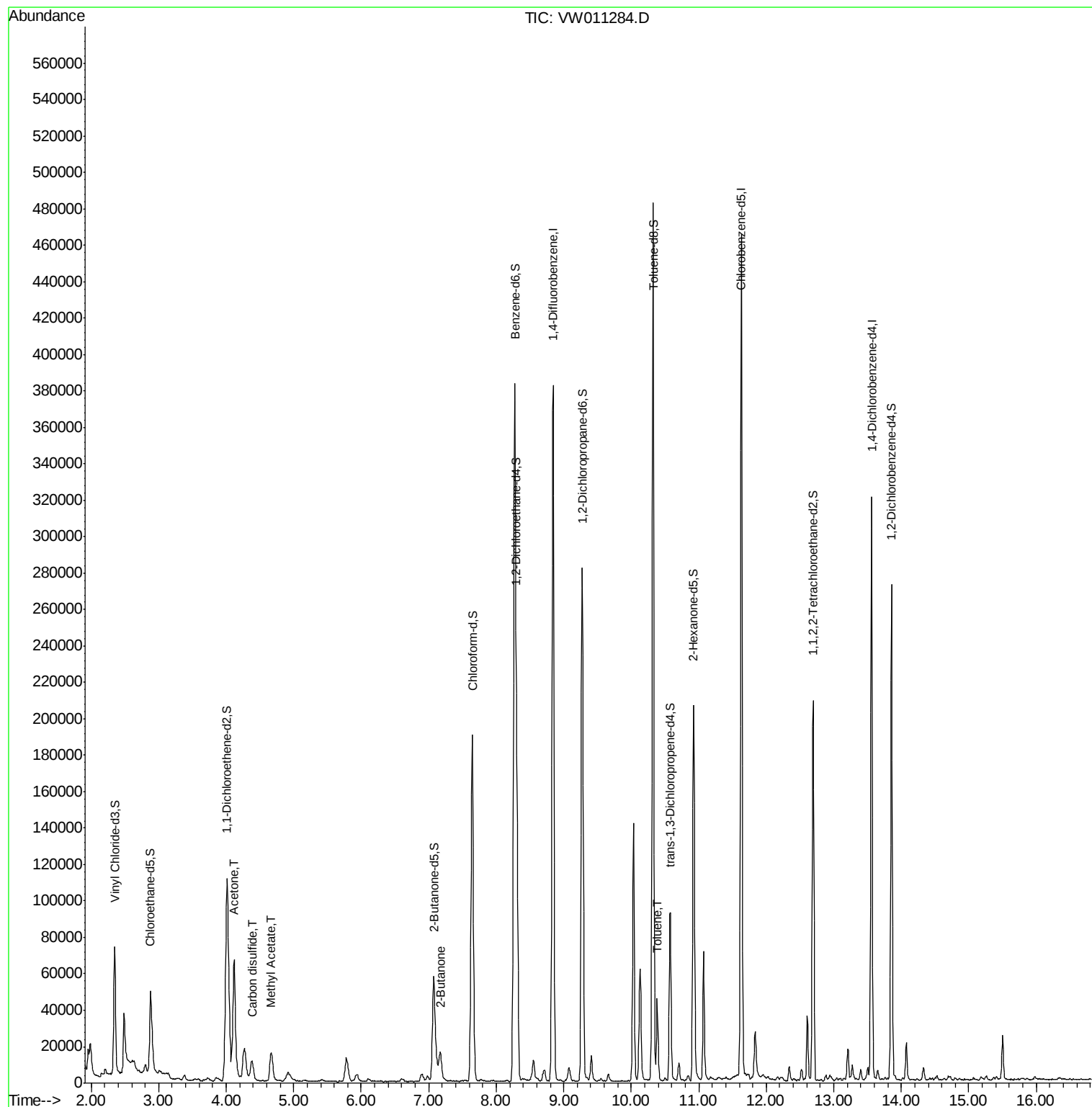
|                      |       |    |        |        | Ovalue   |
|----------------------|-------|----|--------|--------|----------|
| 13) Acetone          | 4.12  | 43 | 113581 | 64.067 | ug/L 100 |
| 14) Carbon disulfide | 4.38  | 76 | 21306  | 1.878  | ug/L 97  |
| 15) Methyl Acetate   | 4.67  | 43 | 32789  | 11.366 | ug/L 100 |
| 21) 2-Butanone       | 7.17  | 43 | 23826  | 10.411 | ug/L 95  |
| 44) Toluene          | 10.38 | 91 | 32017  | 2.077  | ug/L 99  |

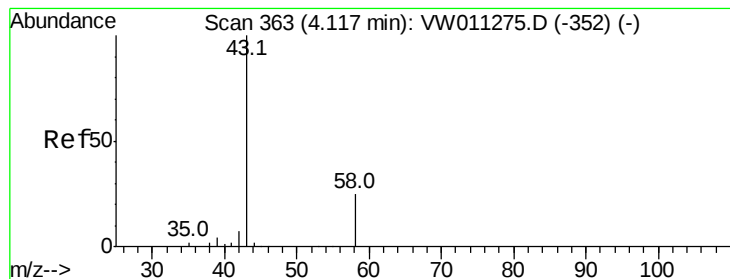
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 17 07:20:32 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 64.067 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011284.D

Acq: 16 Jul 2019 14:24

Instrument :

MSVOA\_W

ClientSampleId :

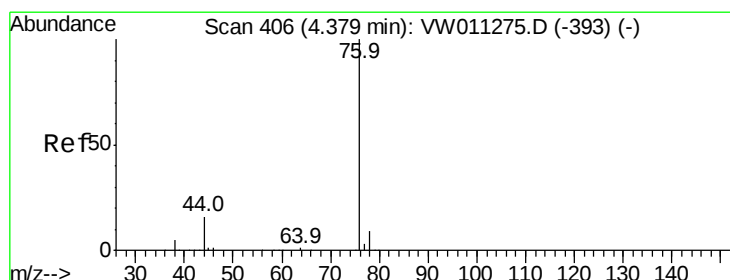
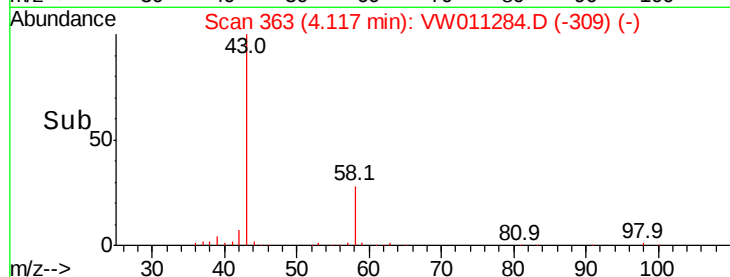
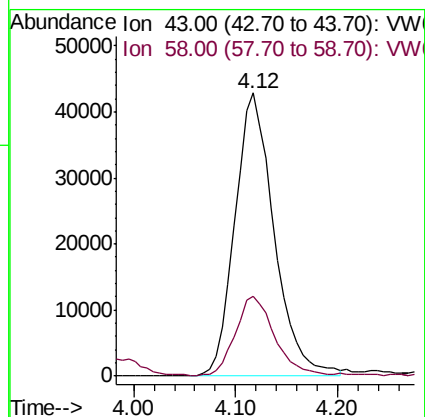
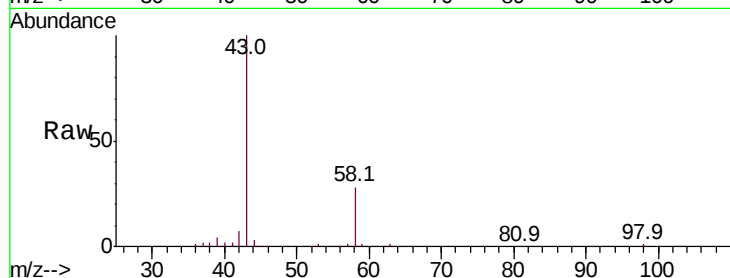
A52H6

Tot Ion: 43 Resp: 113581

Ion Ratio Lower Upper

43 100

58 27.7 0.0 55.0



#14

Carbon disulfide

Concen: 1.878 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW011284.D

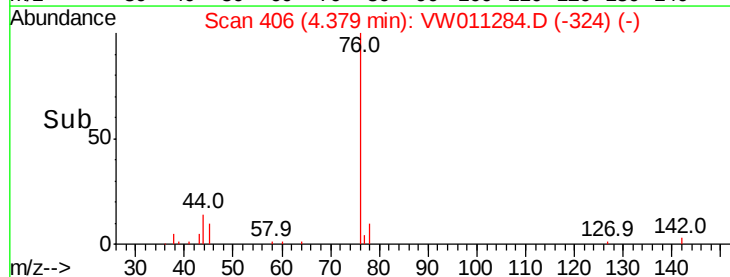
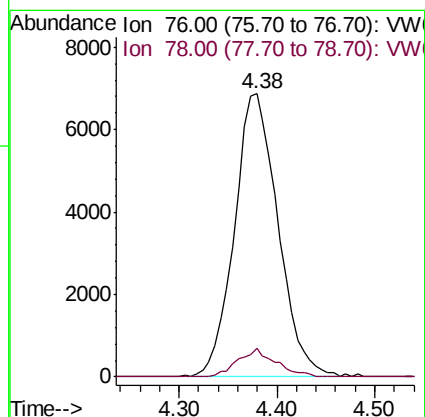
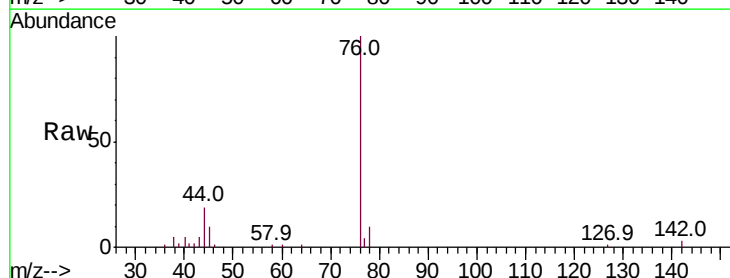
Acq: 16 Jul 2019 14:24

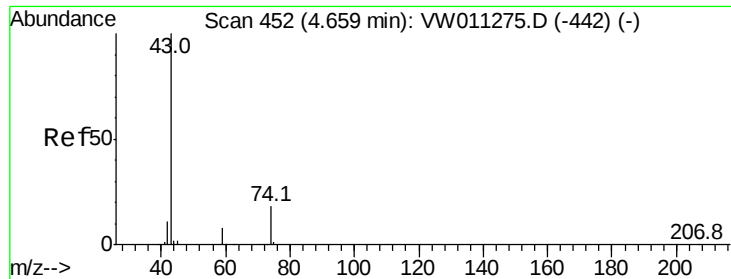
Tgt Ion: 76 Resp: 21306

Ion Ratio Lower Upper

76 100

78 10.3 7.3 10.9

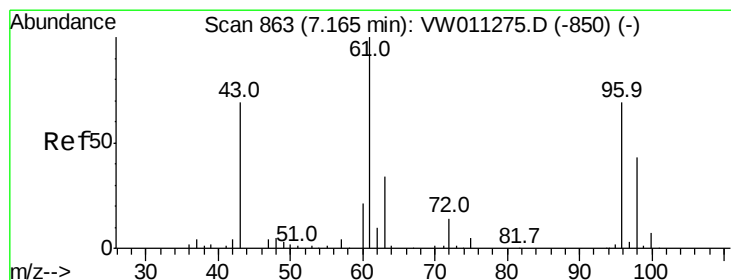
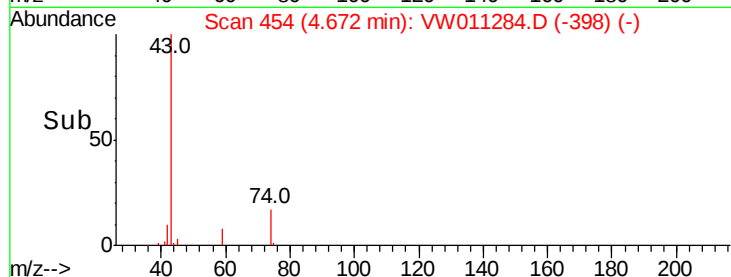
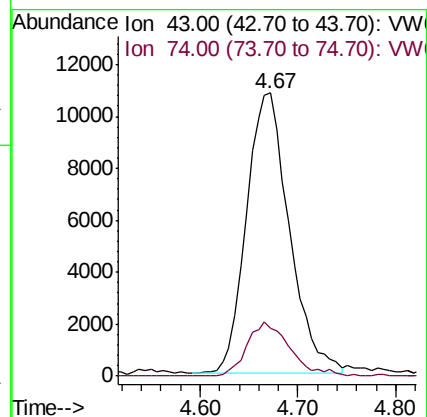
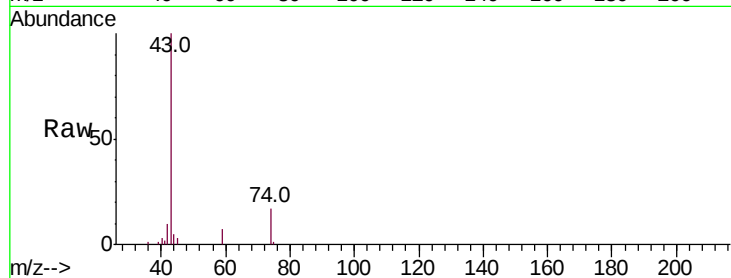




#15  
Methyl Acetate  
Concen: 11.366 ug/L  
RT: 4.67 min Scan# 454  
Delta R.T. 0.01 min  
Lab File: VW011284.D  
Acq: 16 Jul 2019 14:24

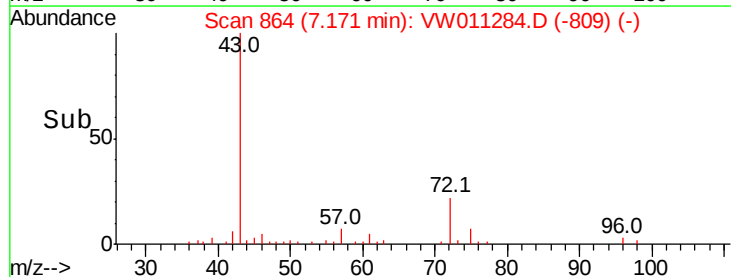
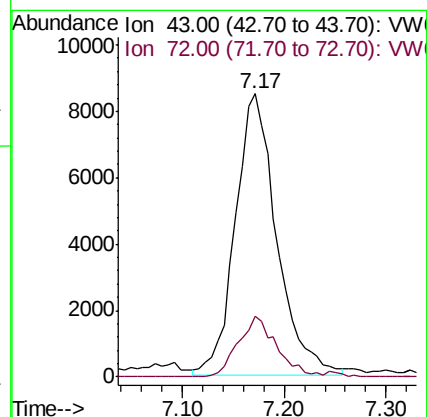
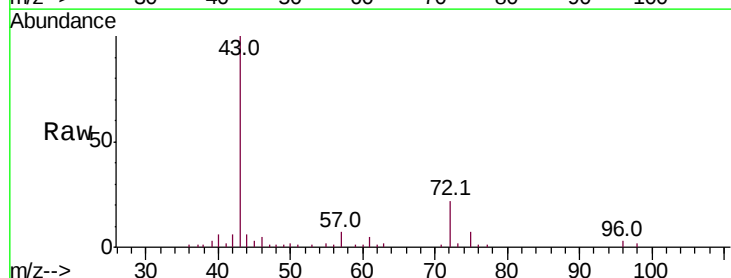
Instrument :  
MSVOA\_W  
ClientSampled :  
A52H6

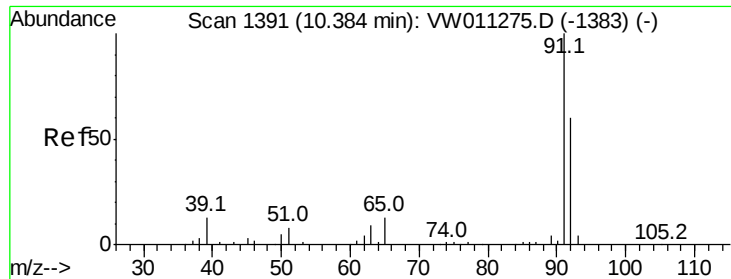
Tot Ion: 43 Resp: 32789  
Ion Ratio Lower Upper  
43 100  
74 18.8 15.1 22.7



#21  
2-Butanone  
Concen: 10.411 ug/L  
RT: 7.17 min Scan# 864  
Delta R.T. 0.01 min  
Lab File: VW011284.D  
Acq: 16 Jul 2019 14:24

Tgt Ion: 43 Resp: 23826  
Ion Ratio Lower Upper  
43 100  
72 19.8 11.2 33.6





#44

Toluene

Concen: 2.077 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011284.D

Acq: 16 Jul 2019 14:24

Instrument :

MSVOA\_W

ClientSampleId :

A52H6

Tot Ion: 91 Resp: 32017

Ion Ratio Lower Upper

91 100

92 57.3 40.8 75.8

