

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW042919\  
 Data File : VW010214.D  
 Acq On : 30 Apr 2019 11:34  
 Operator : SY/VA  
 Sample : K2606-10RE  
 Misc : 4.86G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A5144RE

Quant Time: May 01 03:55:59 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM042919S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 01 03:52:51 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 545002   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 423845   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 127471   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 105464   | 17.05    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 68.20%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 98172    | 19.37    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.48%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 168736   | 12.27    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 49.08%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 134856   | 59.14    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 118.28%  |
| 24) Chloroform-d               | 7.65   | 84    | 296165   | 20.97    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 83.88%   |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 187285   | 23.08    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 92.32%   |
| 29) Benzene-d6                 | 8.27   | 84    | 505927   | 22.17    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 88.68%   |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 175136   | 24.56    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 98.24%   |
| 37) Toluene-d8                 | 10.32  | 98    | 485732   | 23.40    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 93.60%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 91326    | 27.80    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 111.20%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 138292   | 92.30    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 184.60%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 166535   | 27.35    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 109.40%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 106546   | 22.50    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 90.00%   |

## Target Compounds

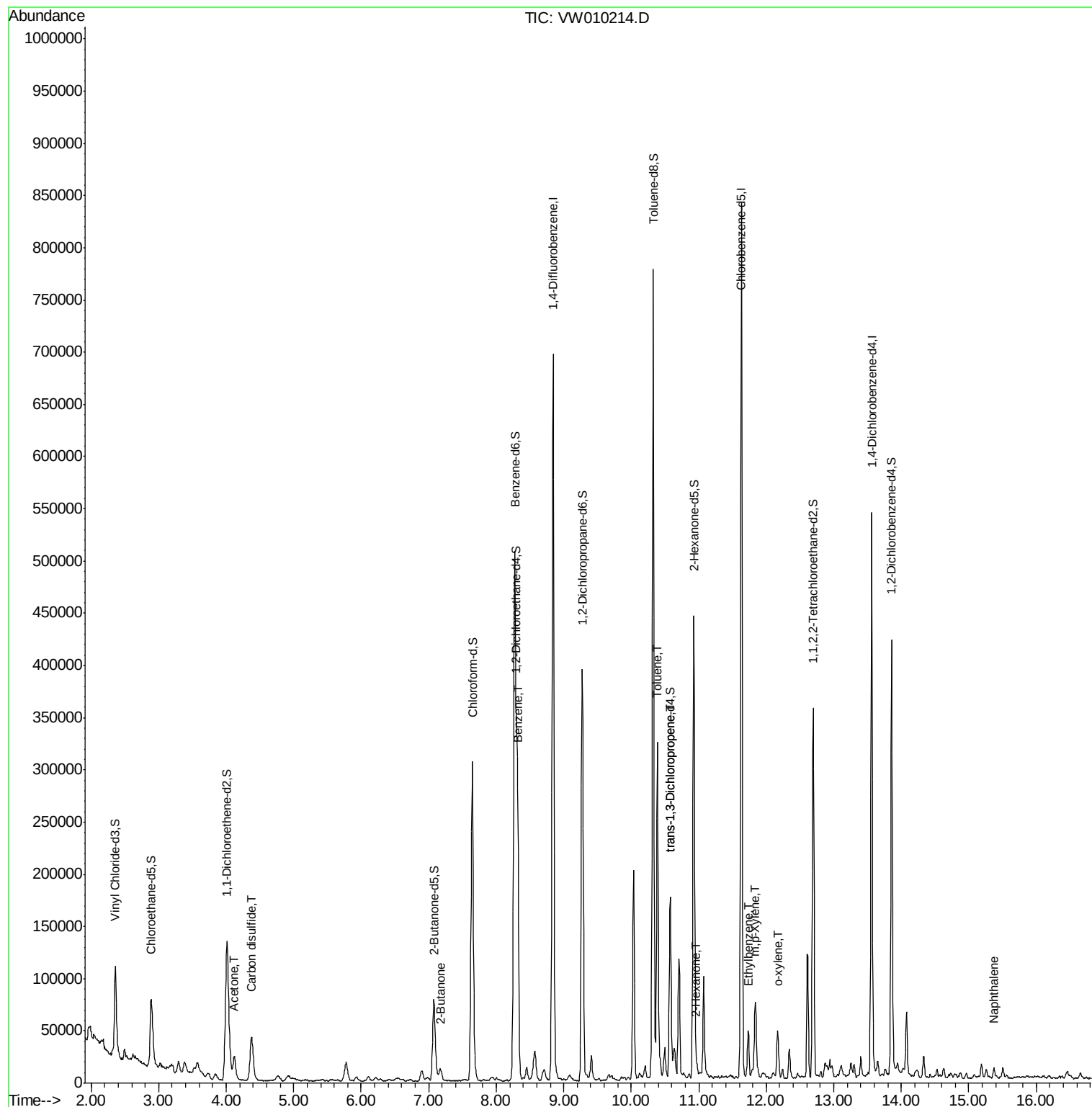
|                               |       |     |        |              | Qvalue |
|-------------------------------|-------|-----|--------|--------------|--------|
| 13) Acetone                   | 4.12  | 43  | 36450  | 20.226 ug/L  | 99     |
| 14) Carbon disulfide          | 4.38  | 76  | 99239  | 5.205 ug/L   | 97     |
| 21) 2-Butanone                | 7.17  | 43  | 8897   | 3.520 ug/L # | 66     |
| 34) Benzene                   | 8.32  | 78  | 123997 | 5.213 ug/L   | 100    |
| 44) Toluene                   | 10.39 | 91  | 232078 | 9.117 ug/L   | 98     |
| 45) trans-1,3-Dichloropropene | 10.58 | 75  | 4652   | 0.557 ug/L   | 99     |
| 49) 2-Hexanone                | 10.97 | 43  | 5546   | 1.783 ug/L # | 96     |
| 53) Ethylbenzene              | 11.73 | 91  | 28558  | 0.991 ug/L   | 90     |
| 54) m,p-Xylene                | 11.83 | 106 | 20010  | 1.845 ug/L   | 95     |
| 55) o-xylene                  | 12.17 | 106 | 8857   | 0.864 ug/L   | 96     |
| 69) Naphthalene               | 15.37 | 128 | 7257   | 0.739 ug/L # | 83     |

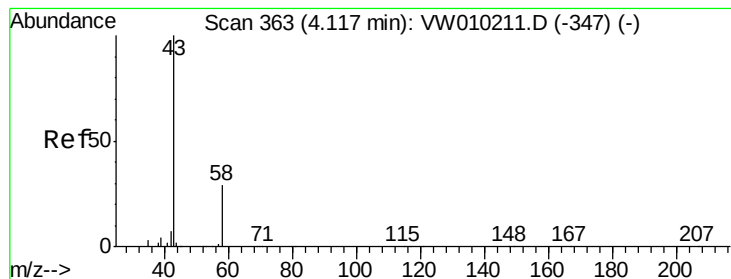
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Wed May 01 03:52:51 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 20.226 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010214.D

Acq: 30 Apr 2019 11:34

Instrument :

MSVOA\_W

ClientSampled :

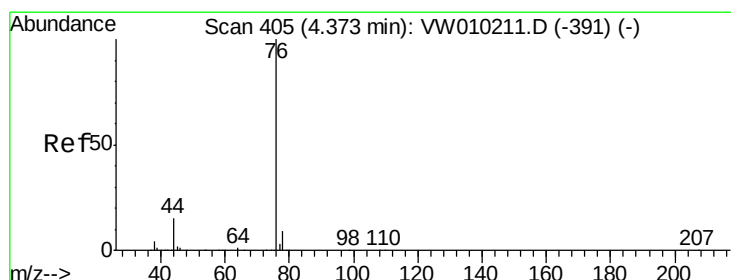
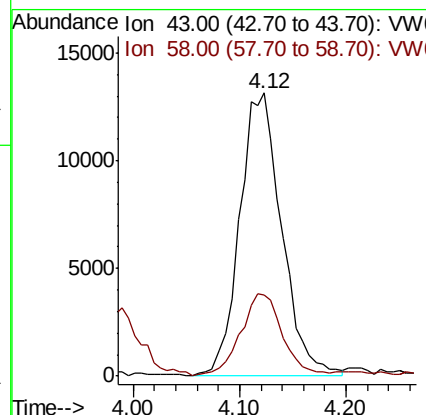
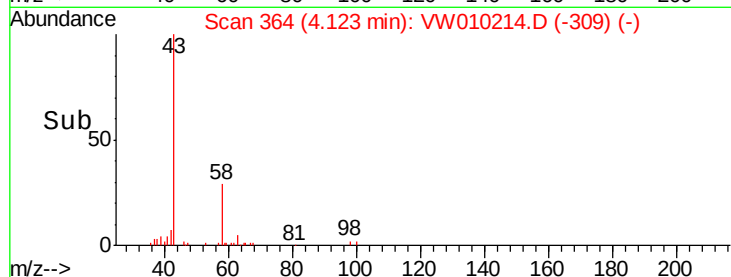
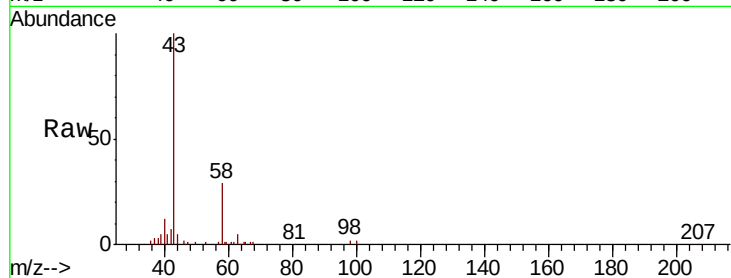
A5144RE

Tgt Ion: 43 Resp: 36450

Ion Ratio Lower Upper

43 100

58 29.2 0.0 59.8



#14

Carbon disulfide

Concen: 5.205 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010214.D

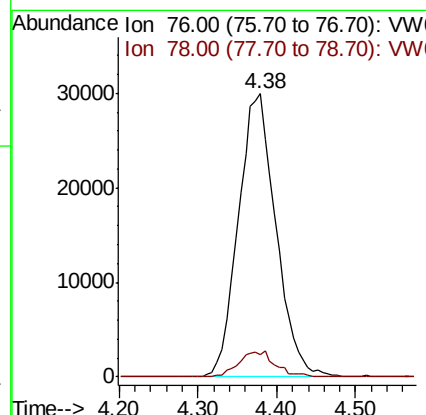
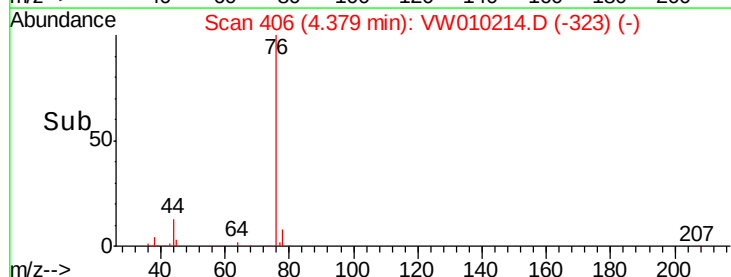
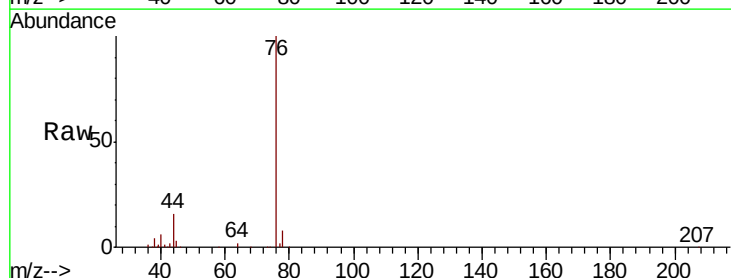
Acq: 30 Apr 2019 11:34

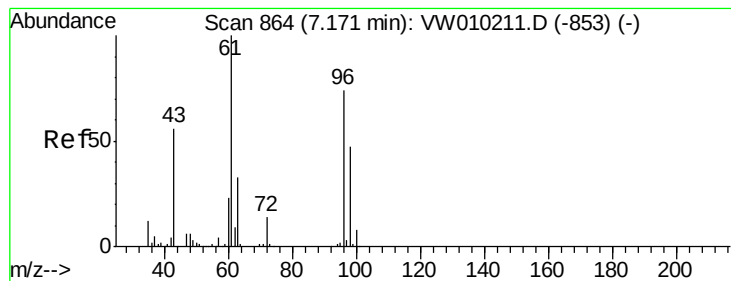
Tgt Ion: 76 Resp: 99239

Ion Ratio Lower Upper

76 100

78 8.1 7.3 10.9





#21

2-Butanone

Concen: 3.520 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010214.D

Acq: 30 Apr 2019 11:34

Instrument :

MSVOA\_W

ClientSampleId :

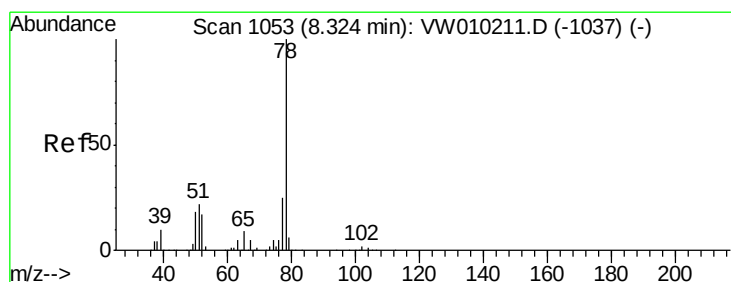
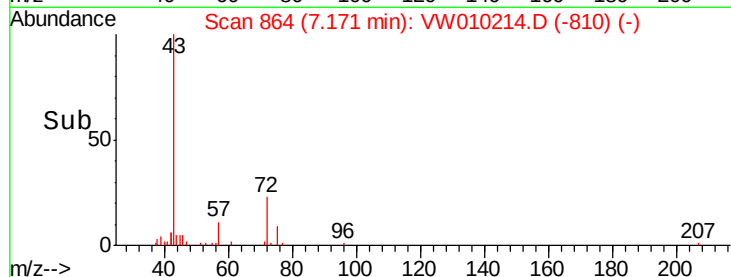
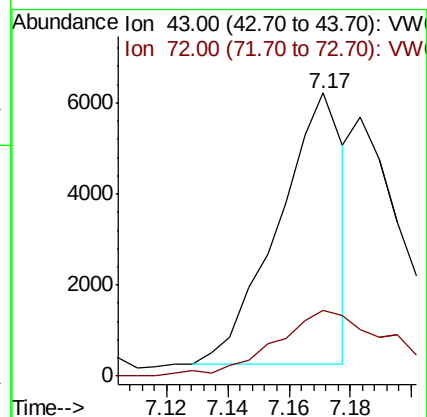
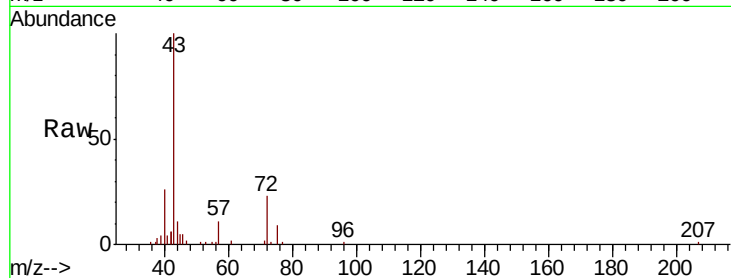
A5144RE

Tgt Ion: 43 Resp: 8897

Ion Ratio Lower Upper

43 100

72 42.5 12.8 38.3#



#34

Benzene

Concen: 5.213 ug/L

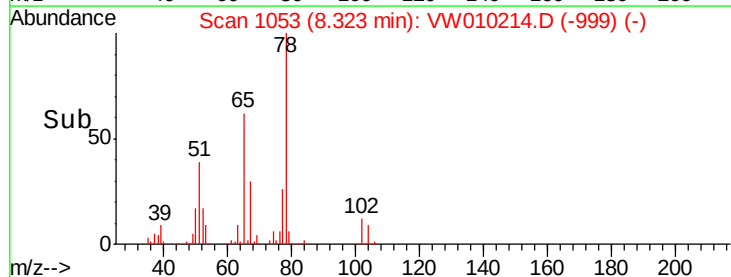
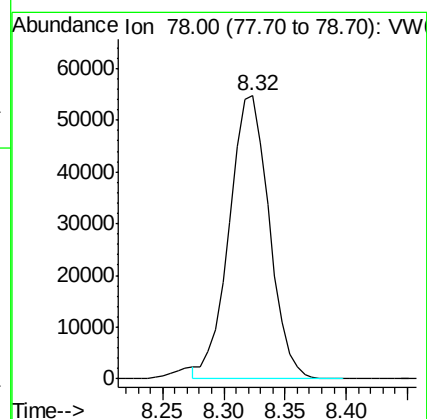
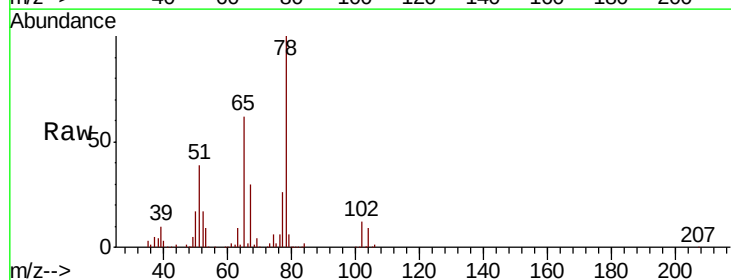
RT: 8.32 min Scan# 1053

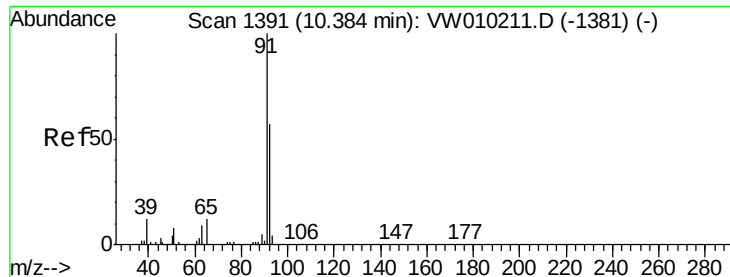
Delta R.T. -0.00 min

Lab File: VW010214.D

Acq: 30 Apr 2019 11:34

Tgt Ion: 78 Resp: 123997





#44

Toluene

Concen: 9.117 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW010214.D

Acq: 30 Apr 2019 11:34

Instrument :

MSVOA\_W

ClientSampled :

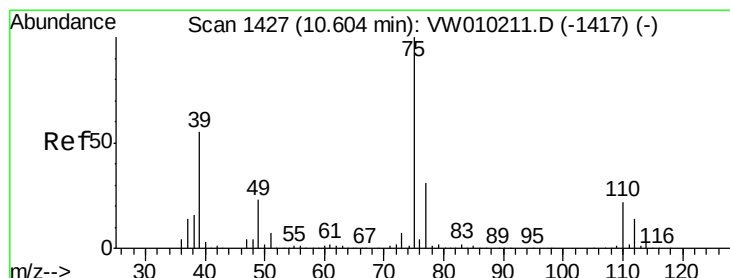
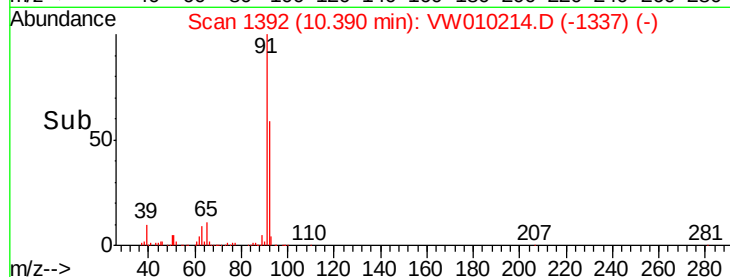
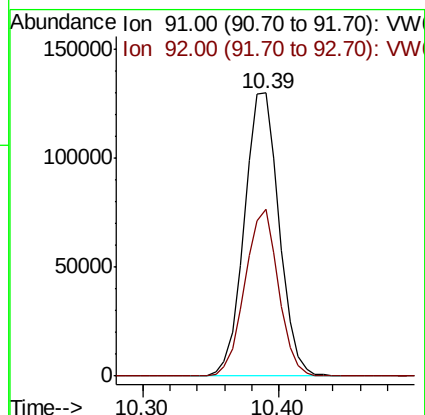
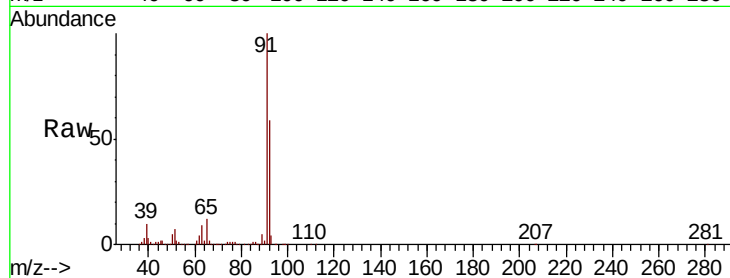
A5144RE

Tgt Ion: 91 Resp: 232078

Ion Ratio Lower Upper

91 100

92 59.1 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 0.557 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW010214.D

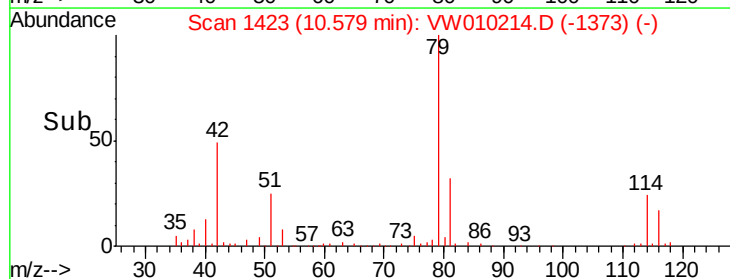
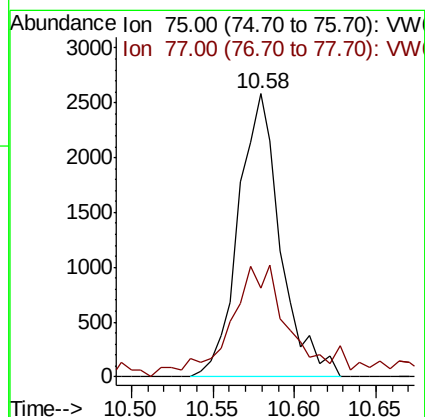
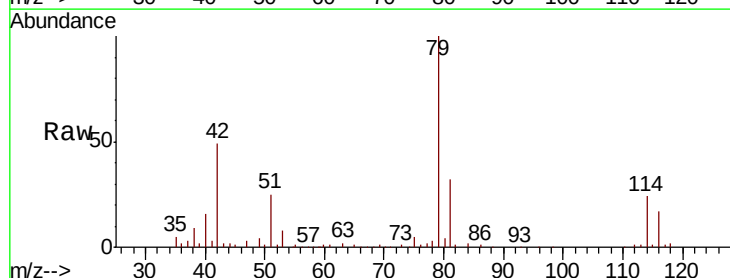
Acq: 30 Apr 2019 11:34

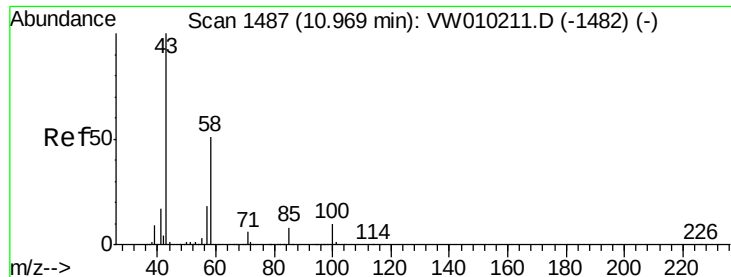
Tgt Ion: 75 Resp: 4652

Ion Ratio Lower Upper

75 100

77 31.4 22.4 41.6

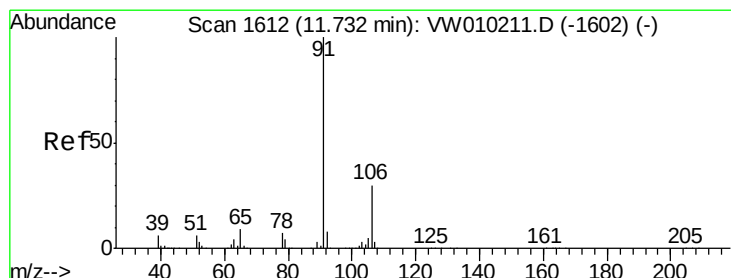
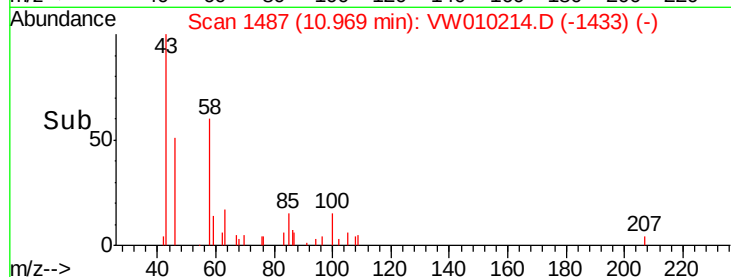
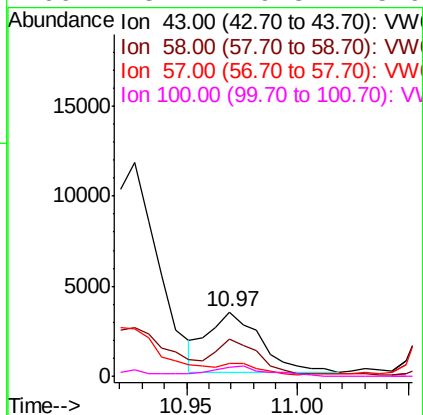
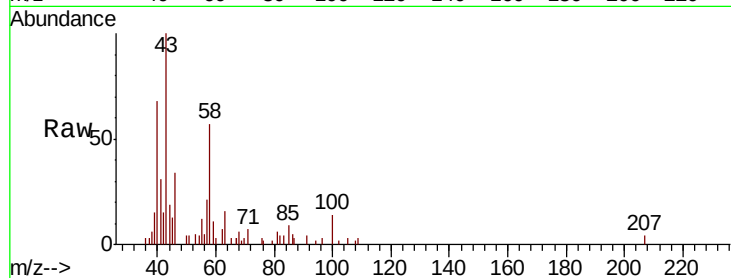




#49  
2-Hexanone  
Concen: 1.783 ug/L  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW010214.D  
Acq: 30 Apr 2019 11:34

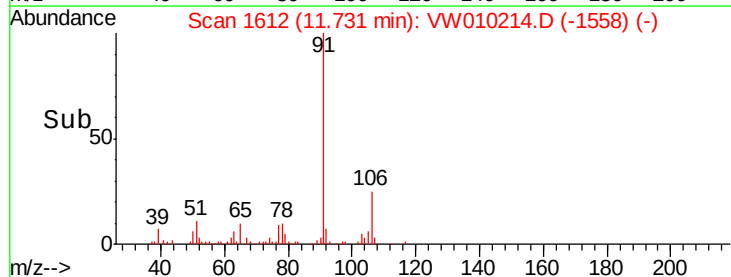
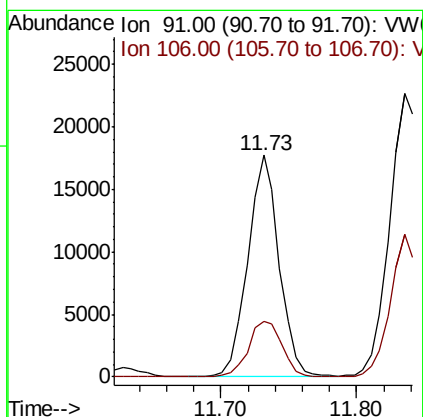
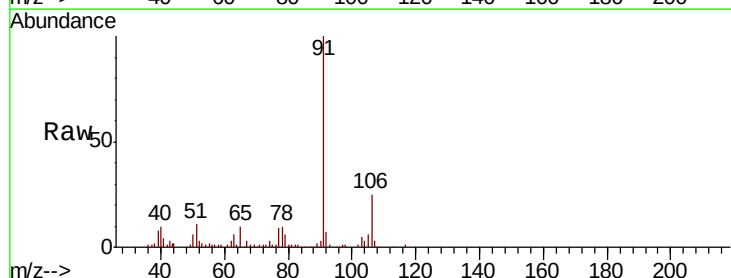
Instrument :  
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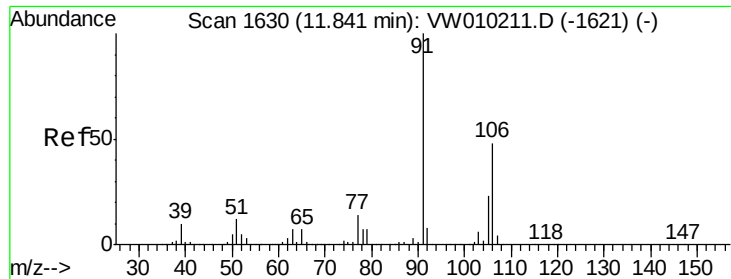
Tgt Ion: 43 Resp: 5546  
Ion Ratio Lower Upper  
43 100  
58 51.2 41.4 62.2  
57 14.6 14.8 22.2#  
100 8.1 9.3 13.9#



#53  
Ethylbenzene  
Concen: 0.991 ug/L  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW010214.D  
Acq: 30 Apr 2019 11:34

Tgt Ion: 91 Resp: 28558  
Ion Ratio Lower Upper  
91 100  
106 24.8 21.3 39.6





#54

m,p-Xylene

Concen: 1.845 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW010214.D

Acq: 30 Apr 2019 11:34

Instrument :

MSVOA\_W

ClientSampleId :

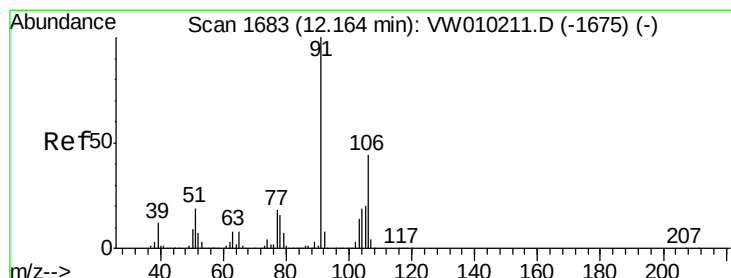
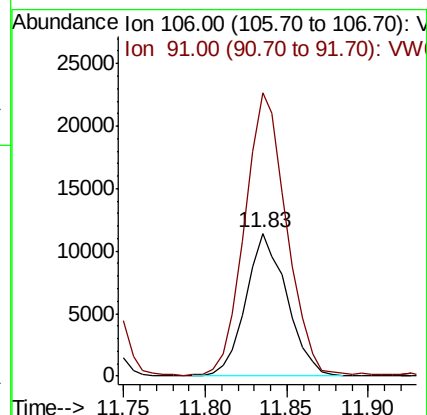
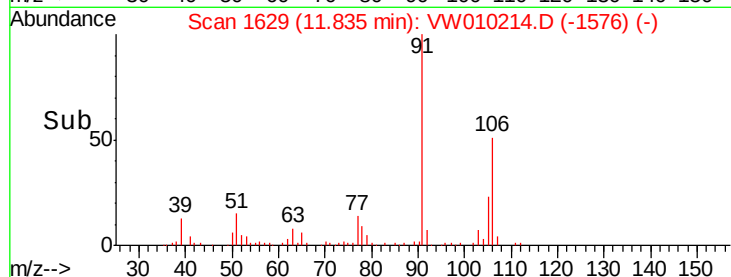
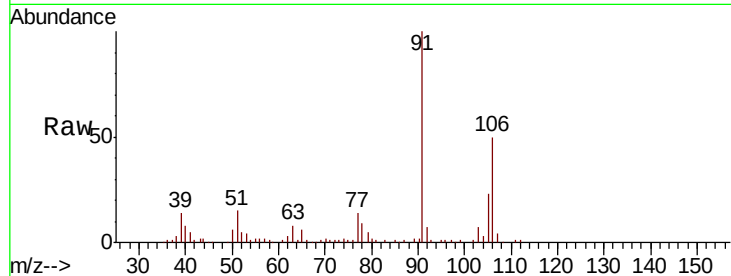
A5144RE

Tgt Ion:106 Resp: 20010

Ion Ratio Lower Upper

106 100

91 198.4 143.8 267.0



#55

o-xylene

Concen: 0.864 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW010214.D

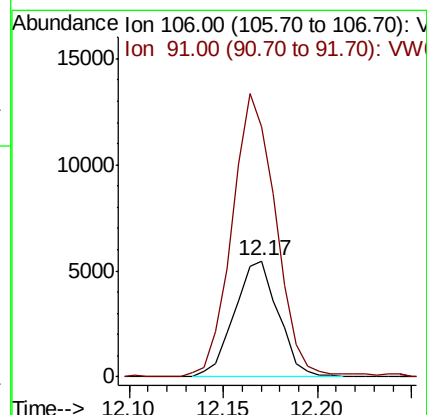
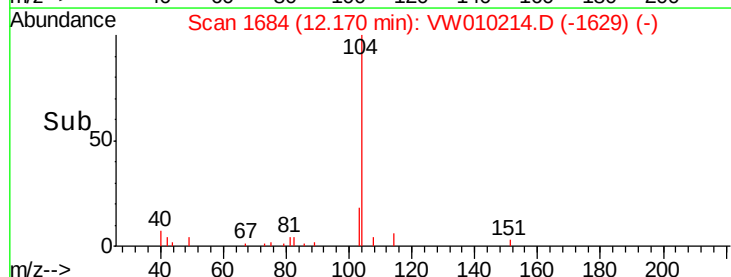
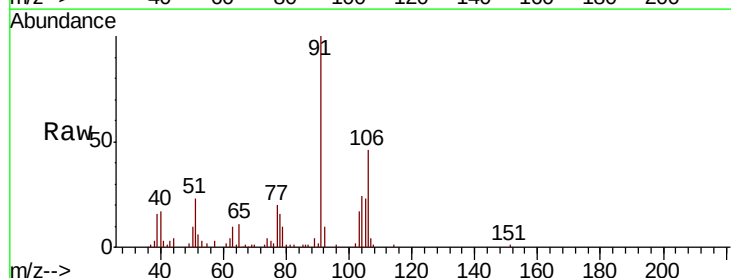
Acq: 30 Apr 2019 11:34

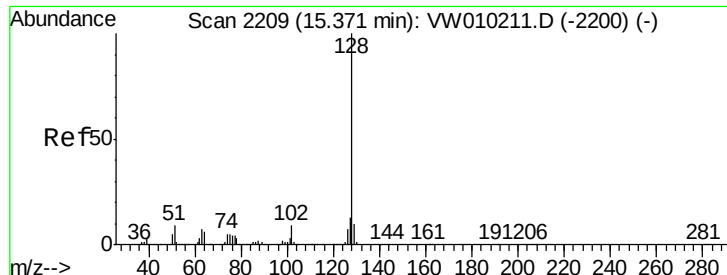
Tgt Ion:106 Resp: 8857

Ion Ratio Lower Upper

106 100

91 216.0 156.2 290.2





#69

Naphthalene

Concen: 0.739 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

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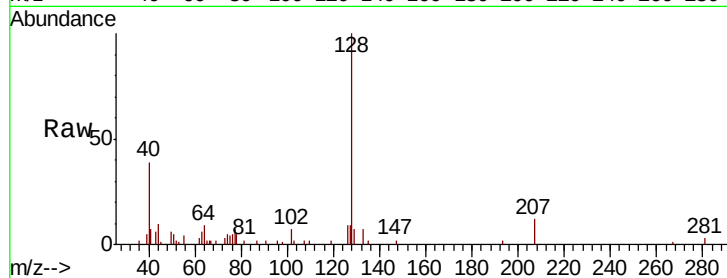
Tgt Ion:128 Resp: 7257

Ion Ratio Lower Upper

128 100

129 5.3 8.6 12.8#

127 5.5 10.6 15.8#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

