

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112519\  
 Data File : VW014114.D  
 Acq On : 25 Nov 2019 16:28  
 Operator : SY/VA  
 Sample : K6007-09  
 Misc : 4.33G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0BL7

Manual Integrations  
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 11/27/2019 5:13:26 PM

Quant Time: Nov 26 08:23:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111119S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Nov 26 07:45:45 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 220829   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 104790   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 13289    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 82513    | 23.42    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.68%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 81672    | 28.59    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 114.36%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 126988   | 17.56    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 70.24%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 76734    | 74.97    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 149.94%# |
| 24) Chloroform-d               | 7.65   | 84    | 216724   | 31.92    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 127.68%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 102814   | 30.12    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 120.48%  |
| 29) Benzene-d6                 | 8.27   | 84    | 419016   | 56.36    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 225.44%# |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 134110   | 61.58    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 246.32%# |
| 37) Toluene-d8                 | 10.32  | 98    | 249472   | 35.38    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 141.52%# |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 22524    | 24.15    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 96.60%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 38379    | 92.92    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 185.84%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 84607    | 51.44    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 205.76%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 20510    | 38.41    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 153.64%# |

## Target Compounds

| Target Compounds          | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|---------------------------|-------|------|----------|-------|--------|--------|
| 13) Acetone               | 4.12  | 43   | 7103m    | 6.820 | ug/L   |        |
| 16) Methylene chloride    | 4.92  | 84   | 18541    | 4.361 | ug/L   | 91     |
| 31) 1,1,1-Trichloroethane | 7.87  | 97   | 3387     | 1.290 | ug/L   | 99     |
| 36) Methylcyclohexane     | 9.33  | 83   | 3317     | 0.902 | ug/L # | 77     |
| 44) Toluene               | 10.38 | 91   | 2667     | 0.318 | ug/L   | 85     |
| 54) m,p-Xylene            | 11.84 | 106  | 2266     | 0.634 | ug/L   | 86     |
| 55) o-xylene              | 12.17 | 106  | 960      | 0.287 | ug/L   | 64     |

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

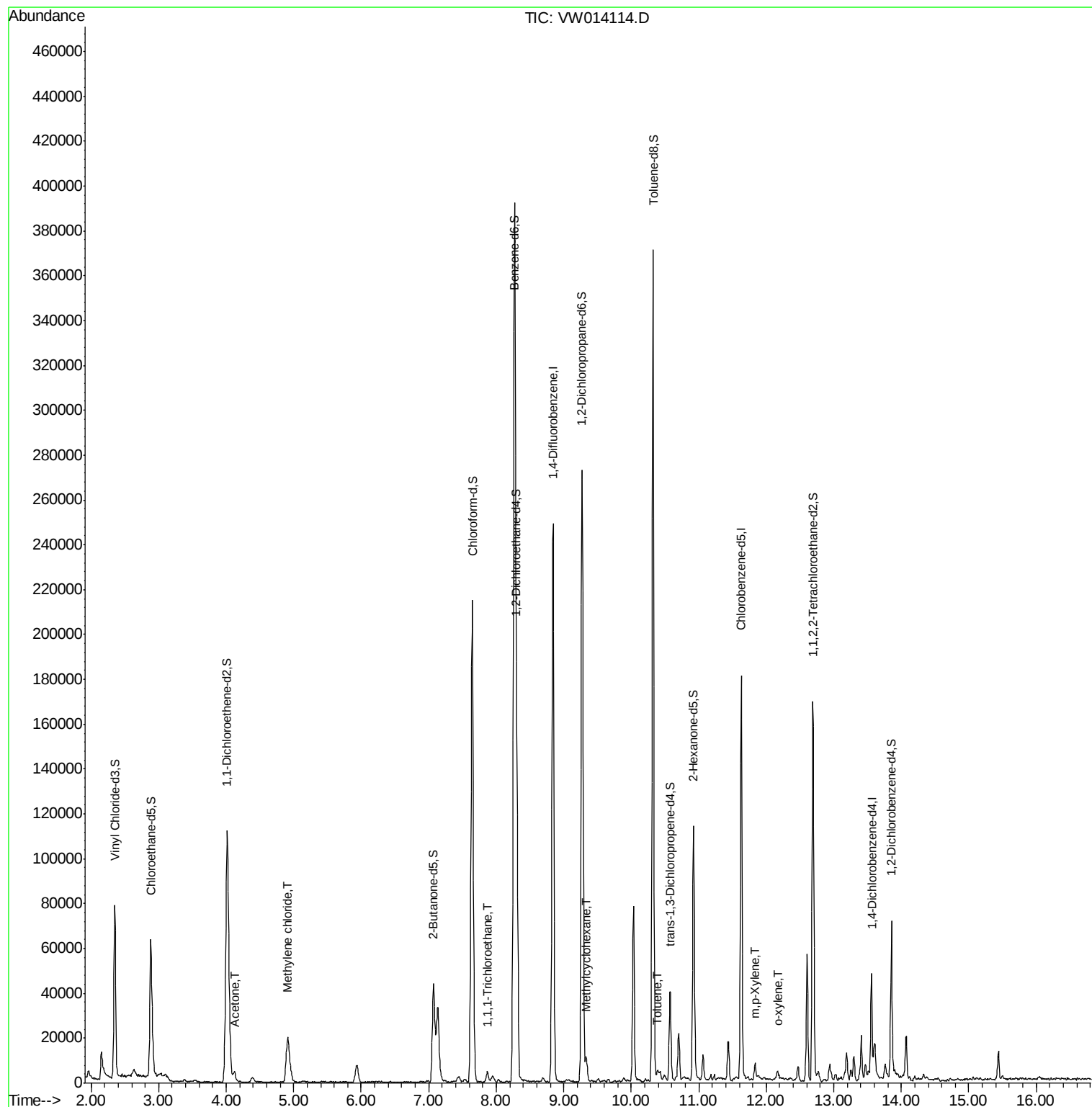
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112519\  
Data File : VW014114.D  
Acq On : 25 Nov 2019 16:28  
Operator : SY/VA  
Sample : K6007-09  
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ALS Vial : 1 Sample Multiplier: 1

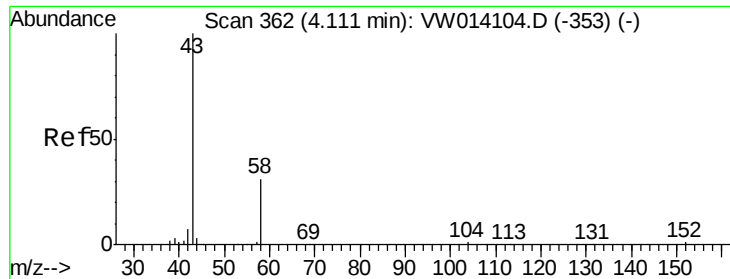
Instrument :  
MSVOA\_W  
ClientSampleId :  
C0BL7

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Quant Time: Nov 26 08:23:51 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111119S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Nov 26 07:45:45 2019  
Response via : Initial Calibration





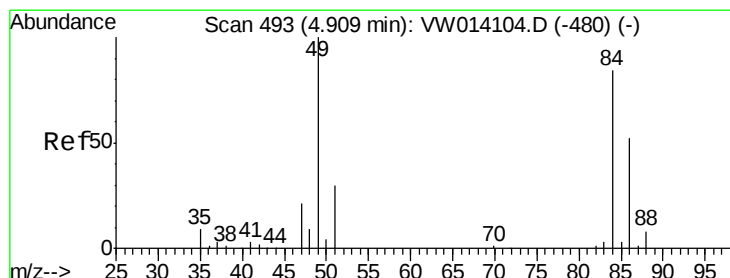
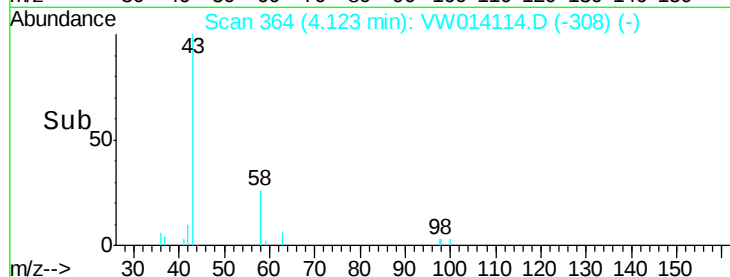
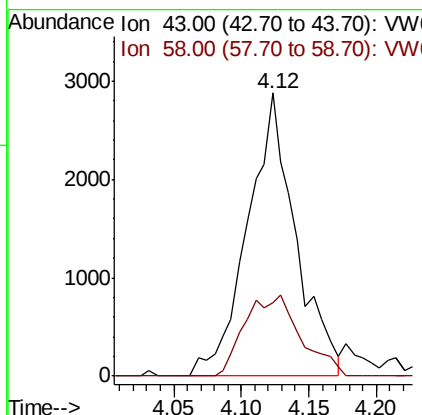
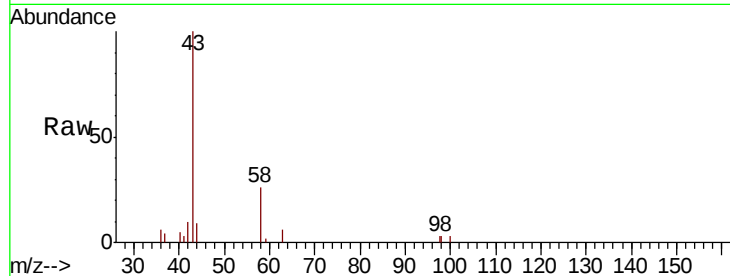
#13  
Acetone  
Concen: 6.820 ug/L m  
RT: 4.12 min Scan# 364  
Delta R.T. 0.01 min  
Lab File: VW014114.D  
Acq: 25 Nov 2019 16:28

Instrument :  
MSVOA\_W  
ClientSampled :  
C0BL7

Tot Ion: 43 Resp: 7103  
Ion Ratio Lower Upper  
43 100  
58 19.2 0.0 65.4

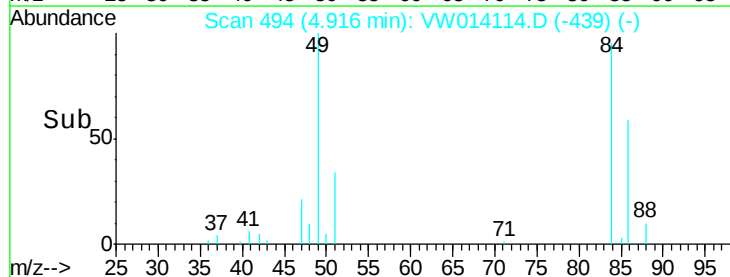
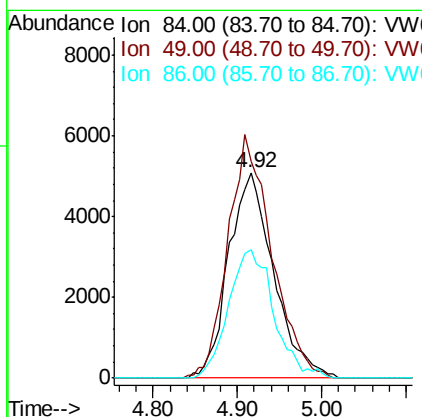
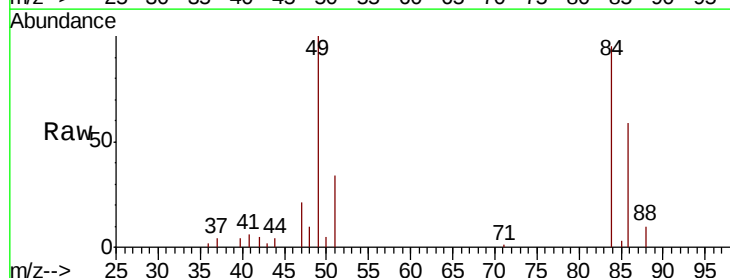
Manual Integrations  
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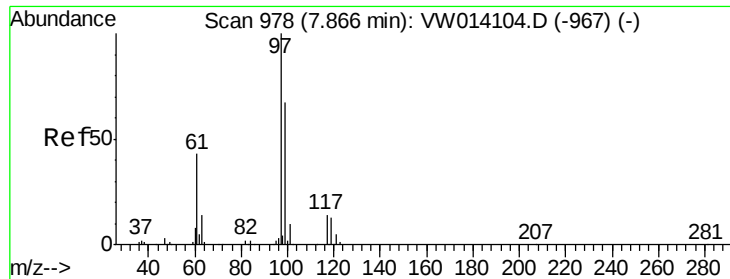
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#16  
Methylene chloride  
Concen: 4.361 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW014114.D  
Acq: 25 Nov 2019 16:28

Tgt Ion: 84 Resp: 18541  
Ion Ratio Lower Upper  
84 100  
49 105.6 84.2 156.4  
86 62.6 43.7 81.1





#31

1,1,1-Trichloroethane

Concen: 1.290 ug/L

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW014114.D

Acq: 25 Nov 2019 16:28

Instrument :

MSVOA\_W

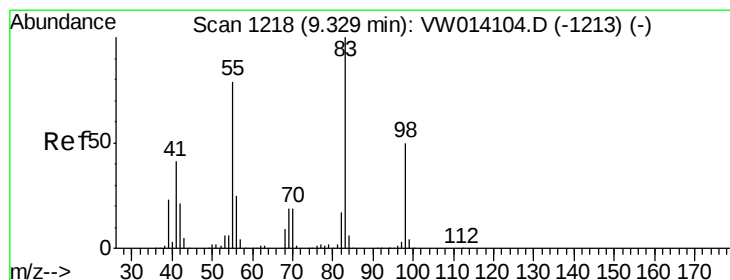
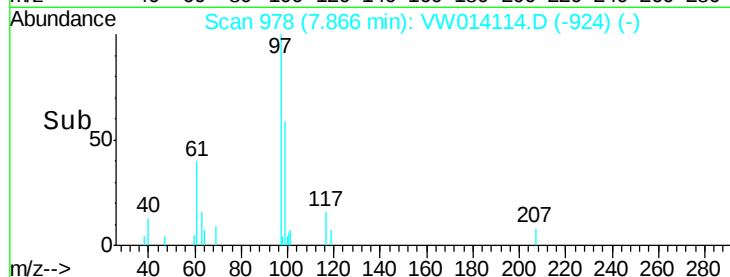
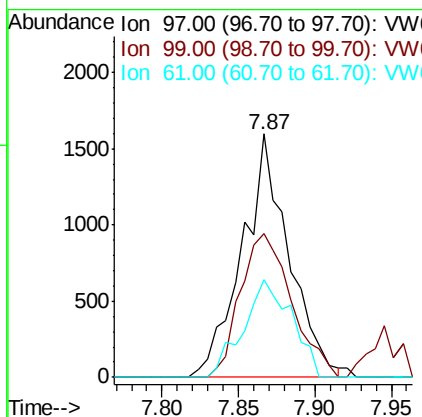
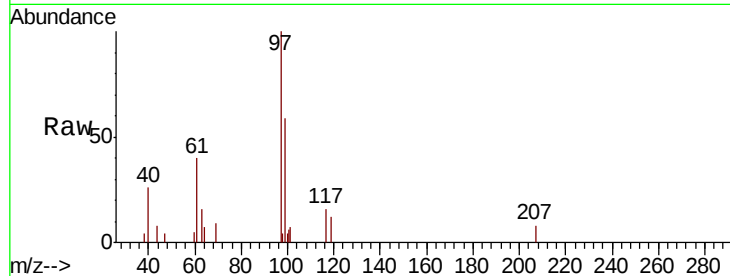
ClientSampleId :

C0BL7

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 3387  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.8  | 51.1  | 76.7  |
| 61       | 41.5  | 32.8  | 49.2  |

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#36

Methylcyclohexane

Concen: 0.902 ug/L

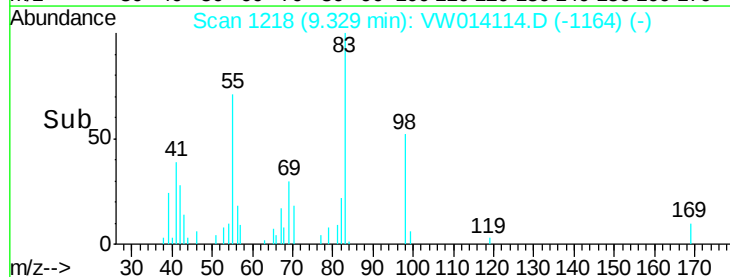
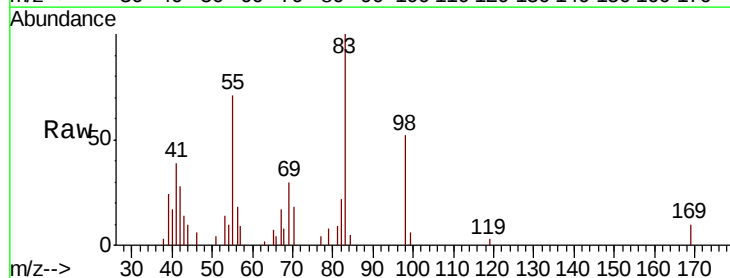
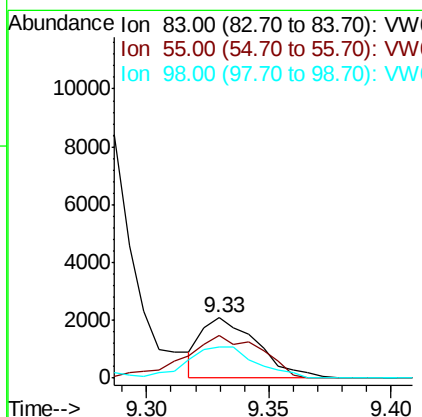
RT: 9.33 min Scan# 1218

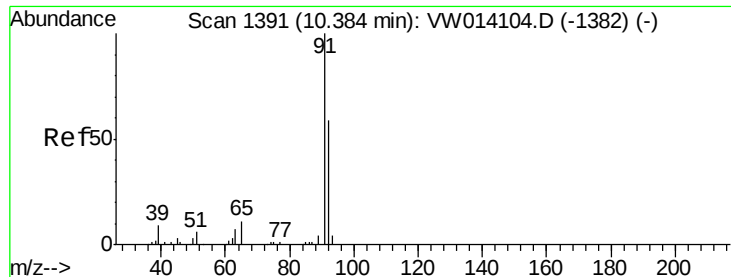
Delta R.T. 0.00 min

Lab File: VW014114.D

Acq: 25 Nov 2019 16:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 3317  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 96.3  | 59.8  | 89.8# |
| 98       | 62.7  | 39.5  | 59.3# |





#44

Toluene

Concen: 0.318 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014114.D

Acq: 25 Nov 2019 16:28

Instrument :

MSVOA\_W

ClientSampled :

C0BL7

Tot Ion: 91 Resp: 2667

Ion Ratio Lower Upper

91 100

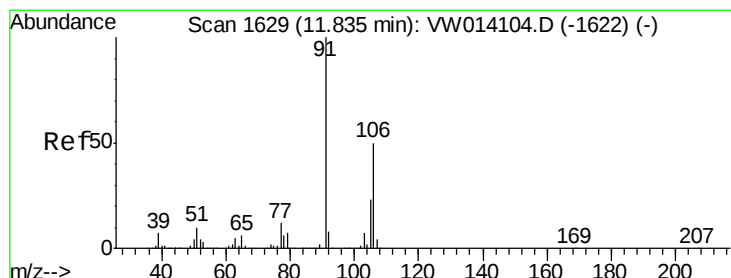
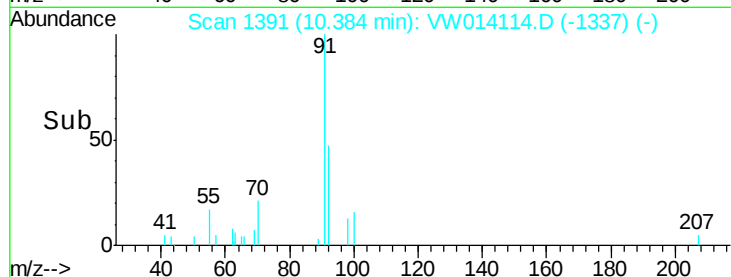
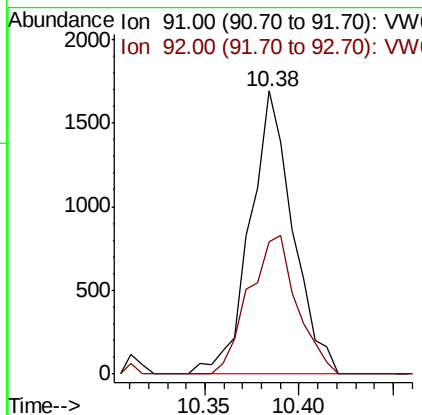
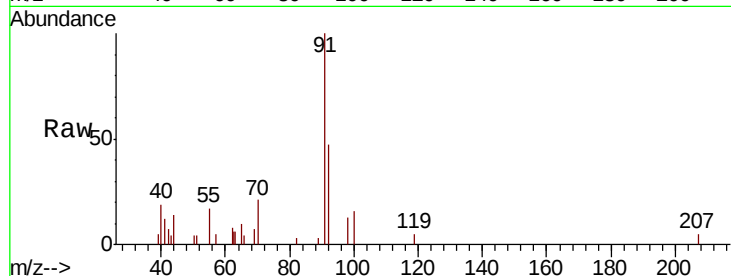
92 46.9 40.7 75.7

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#54

m,p-Xylene

Concen: 0.634 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014114.D

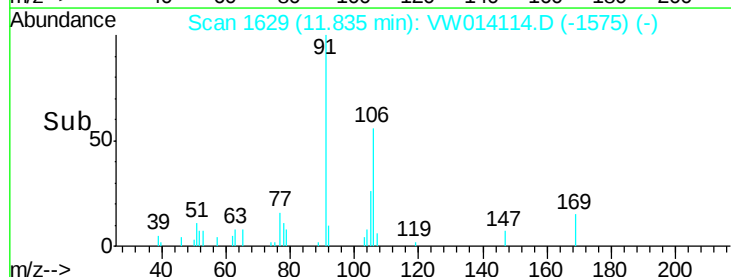
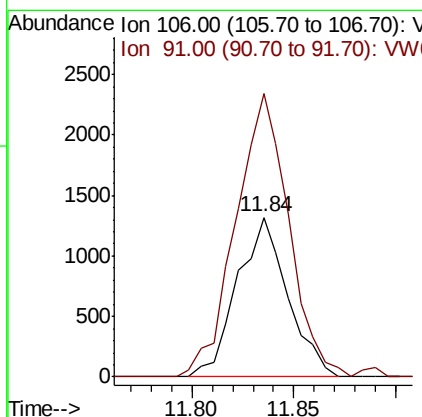
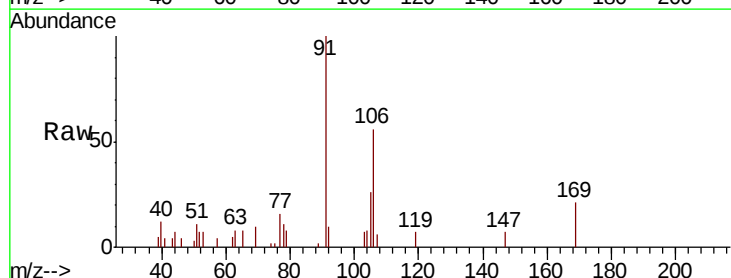
Acq: 25 Nov 2019 16:28

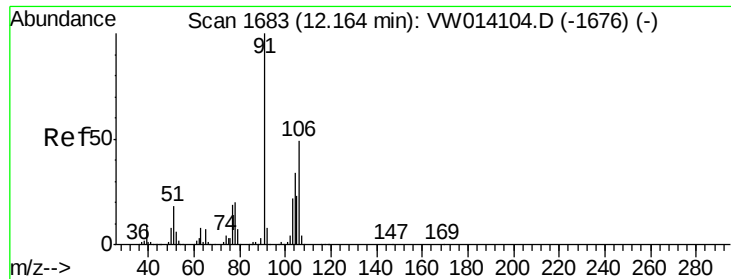
Tgt Ion: 106 Resp: 2266

Ion Ratio Lower Upper

106 100

91 177.8 138.7 257.5





#55  
 o-xylene  
 Concen: 0.287 ug/L  
 RT: 12.17 min Scan# 1684  
 Delta R.T. 0.01 min  
 Lab File: VW014114.D  
 Acq: 25 Nov 2019 16:28

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 C0BL7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 155.7 | 148.3 | 275.5 |

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