

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031020\  
 Data File : VV014804.D  
 Acq On : 10 Mar 2020 15:44  
 Operator : SY/MD  
 Sample : L1858-04  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Mar 11 02:00:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM030620WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Mar 11 01:57:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 402220   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 388951   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 190461   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 99900    | 36.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 73.40%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 84990    | 39.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 79.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 135382   | 29.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 59.86%# |
| 21) 2-Butanone-d5              | 3.94    | 46    | 181086   | 89.20    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 89.20%  |
| 24) Chloroform-d               | 4.38    | 84    | 230879   | 44.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.58%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 157471   | 44.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.96%  |
| 32) Benzene-d6                 | 5.08    | 84    | 472503   | 46.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.02%  |
| 36) 1,2-Dichloropropane-d6     | 6.10    | 67    | 147979   | 43.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 86.94%  |
| 41) Toluene-d8                 | 7.34    | 98    | 446188   | 44.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.72%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 69422    | 41.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.54%  |
| 47) 2-Hexanone-d5              | 8.12    | 63    | 140138   | 92.72    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 92.72%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 207676   | 44.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.70%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.64   | 152   | 179799   | 47.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.26%  |

## Target Compounds

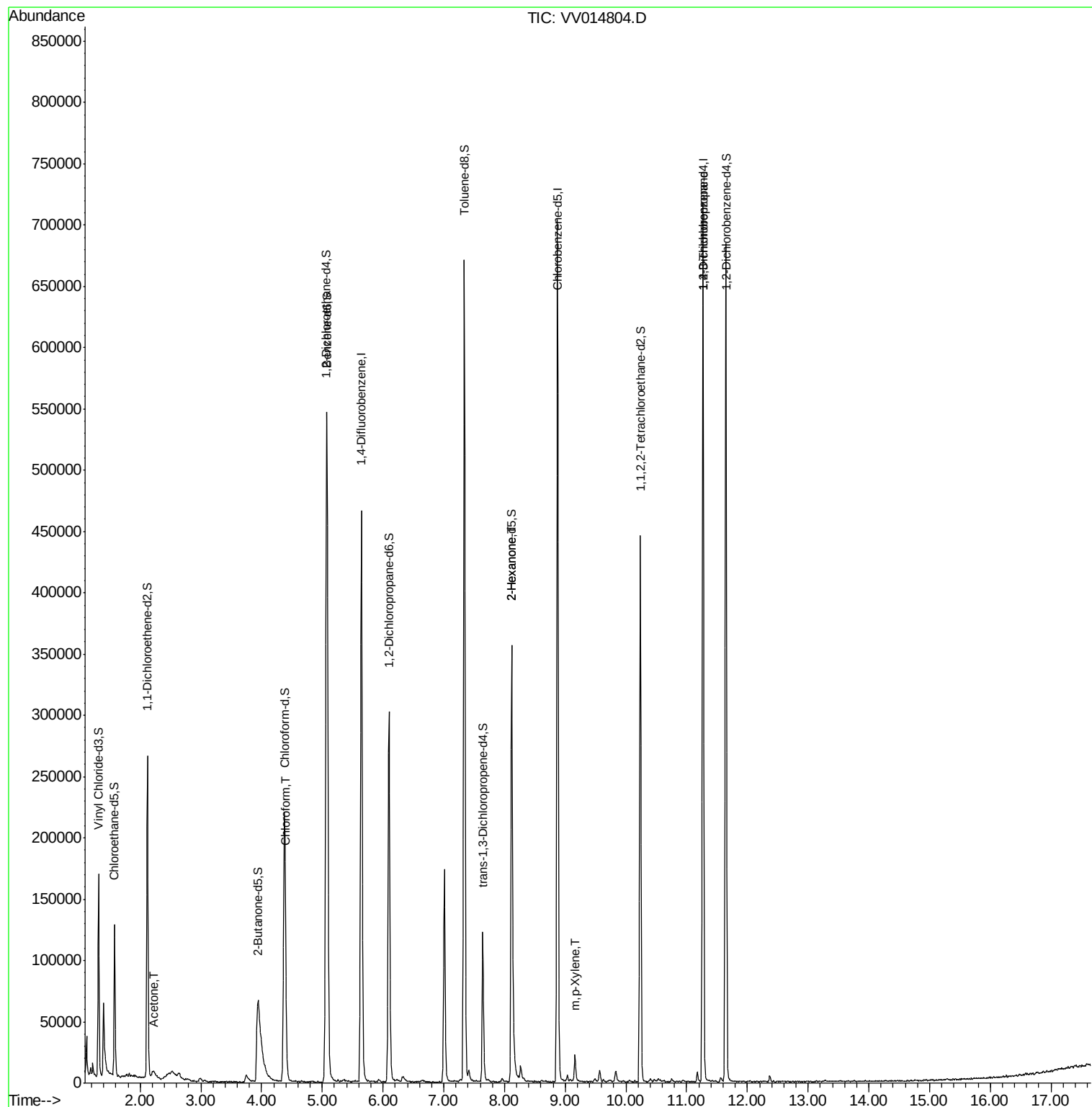
|                            |       |     |       |              | Ovalue |
|----------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone                | 2.21  | 43  | 5936  | 3.502 ug/L   | 62     |
| 25) Chloroform             | 4.40  | 83  | 7494  | 1.372 ug/L   | 100    |
| 48) 2-Hexanone             | 8.12  | 43  | 15851 | 4.567 ug/L # | 76     |
| 53) m,p-Xylene             | 9.16  | 106 | 6005  | 1.143 ug/L   | 92     |
| 59) 1,2,3-Trichloropropane | 11.27 | 75  | 19819 | 5.097 ug/L   | 91     |

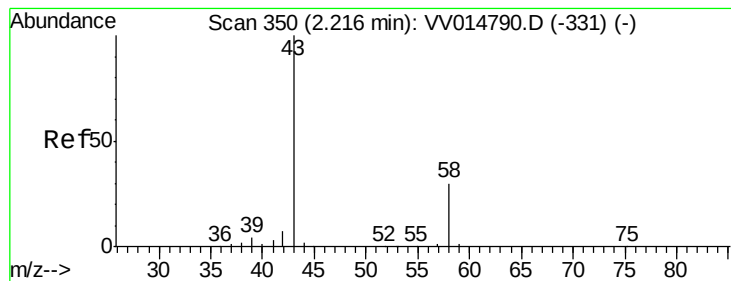
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 3.502 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

Lab File: VV014804.D

Acq: 10 Mar 2020 15:44

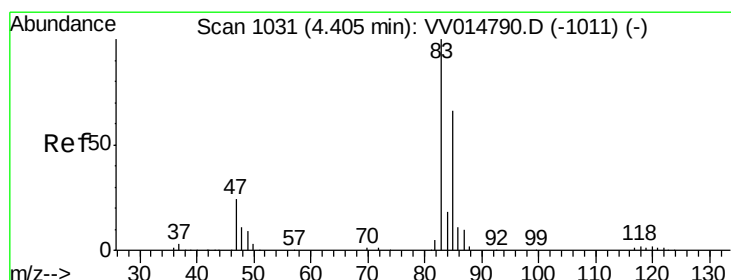
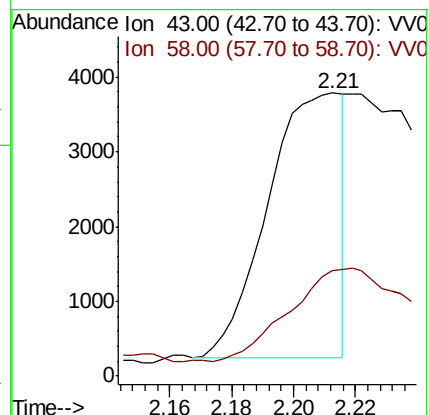
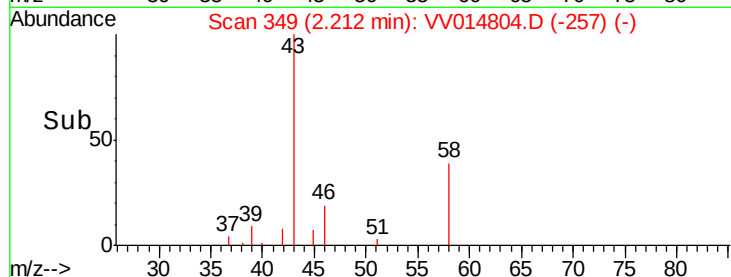
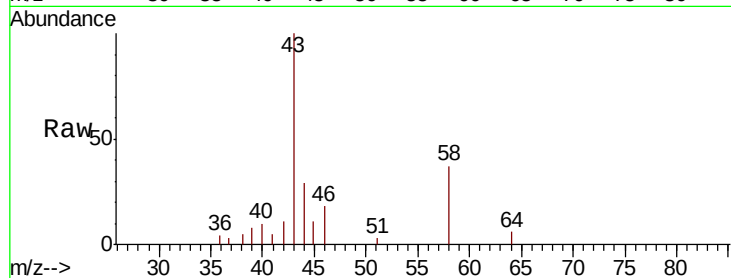
Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion: 43 Resp: 5936

Ion Ratio Lower Upper

43 100

58 52.2 0.0 62.2



#25

Chloroform

Concen: 1.372 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV014804.D

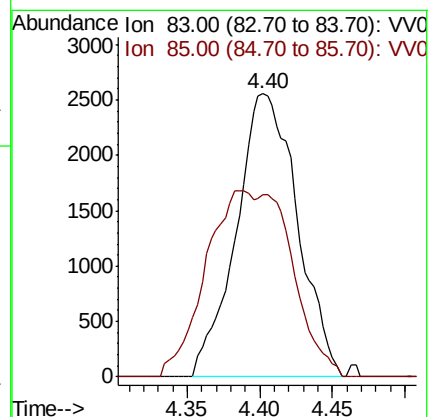
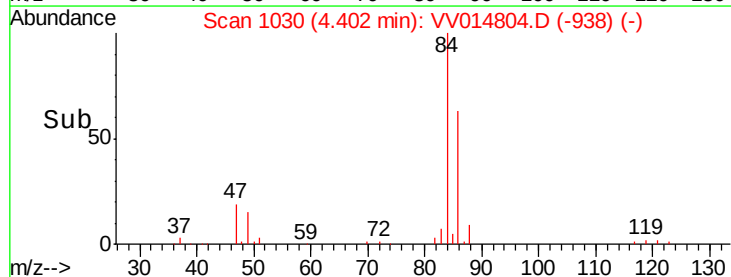
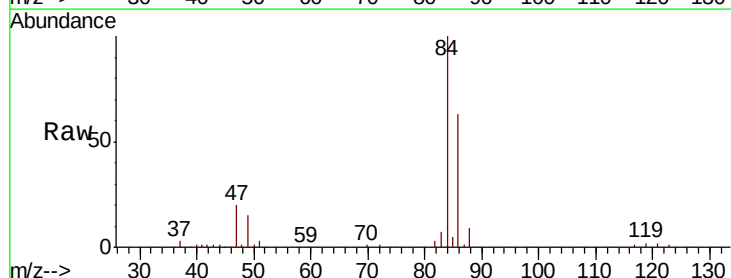
Acq: 10 Mar 2020 15:44

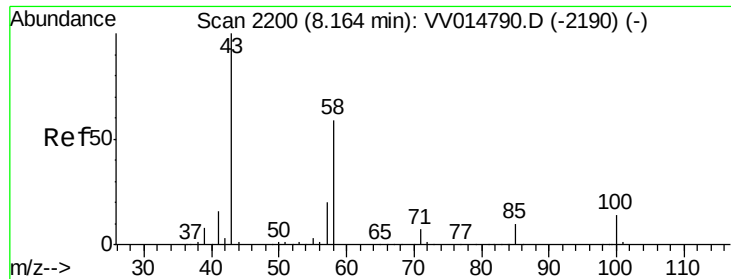
Tgt Ion: 83 Resp: 7494

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.9

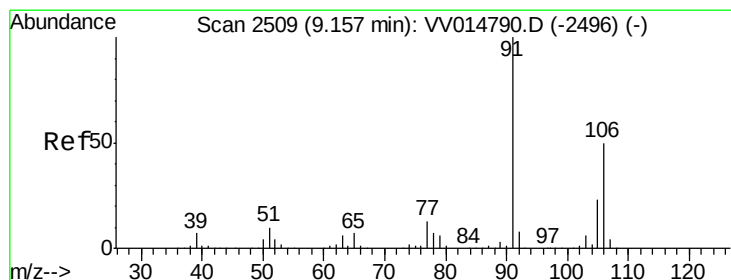
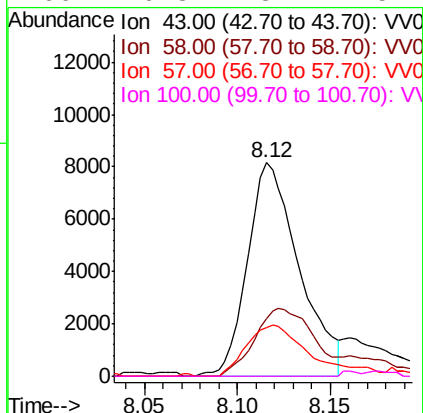
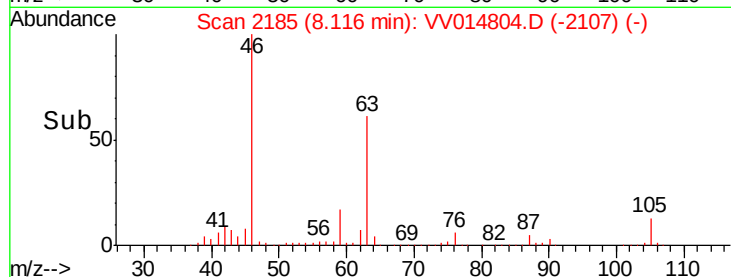
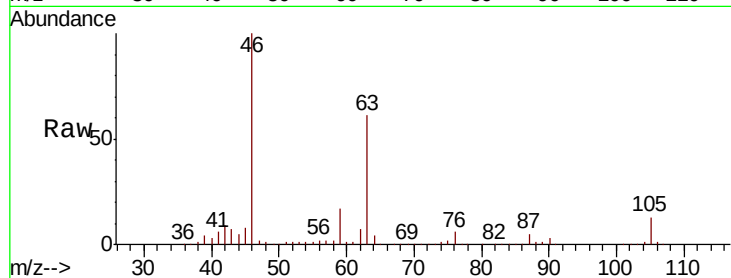




#48  
2-Hexanone  
Concen: 4.567 ug/L  
RT: 8.12 min Scan# 2185  
Delta R.T. -0.05 min  
Lab File: VV014804.D  
Acq: 10 Mar 2020 15:44

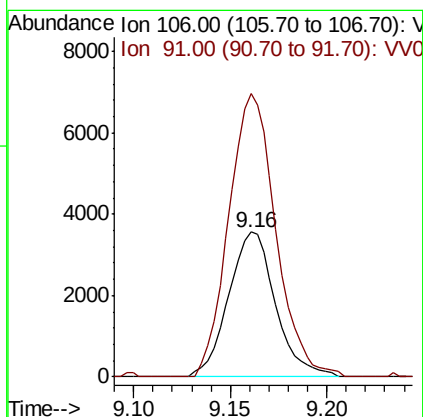
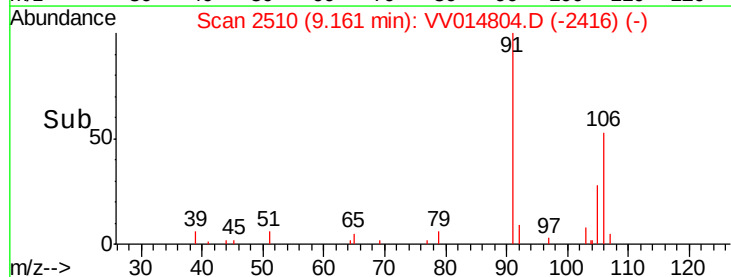
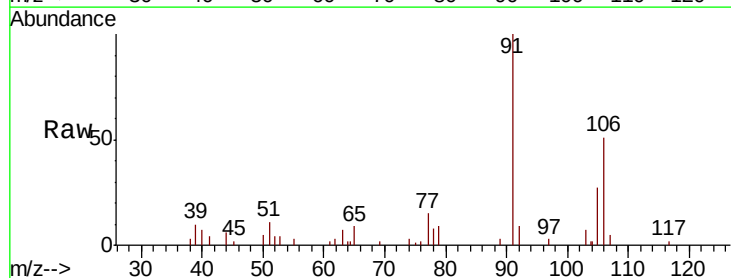
Instrument :  
MSVOA\_V  
ClientSampleId :

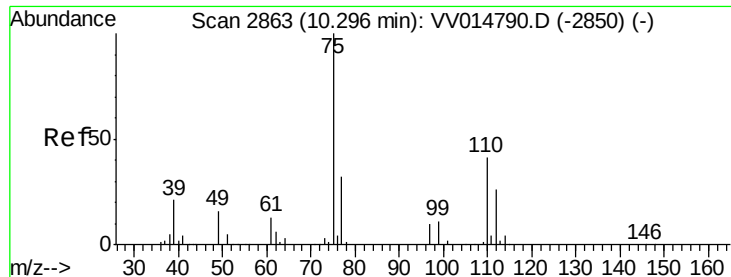
Tot Ion: 43 Resp: 15851  
Ion Ratio Lower Upper  
43 100  
58 36.2 43.3 64.9#  
57 27.9 15.6 23.4#  
100 0.8 8.7 13.1#



#53  
m,p-Xylene  
Concen: 1.143 ug/L  
RT: 9.16 min Scan# 2510  
Delta R.T. 0.00 min  
Lab File: VV014804.D  
Acq: 10 Mar 2020 15:44

Tgt Ion: 106 Resp: 6005  
Ion Ratio Lower Upper  
106 100  
91 195.6 145.1 269.5





#59

1,2,3-Trichloropropane

Concen: 5.097 ug/L

RT: 11.27 min Scan# 3165

Delta R.T. 0.97 min

Lab File: VV014804.D

Acq: 10 Mar 2020 15:44

Instrument :

MSVOA\_V

ClientSampleId :

Tot Ion: 75 Resp: 19819

Ion Ratio Lower Upper

75 100

77 36.8 25.6 38.4

