

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091520\  
 Data File : VV018221.D  
 Acq On : 15 Sep 2020 14:55  
 Operator : SY/MD  
 Sample : L4012-16  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFWT4

Quant Time: Sep 16 05:46:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 16 05:45:07 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 273533   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 272940   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 132372   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 79996    | 35.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 71.78%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 77002    | 42.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 84.42%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 129710   | 31.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.44%  |
| 21) 2-Butanone-d5              | 3.90    | 46    | 125863   | 92.25    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 92.25%  |
| 24) Chloroform-d               | 4.38    | 84    | 183095   | 47.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.68%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 121390   | 48.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.92%  |
| 32) Benzene-d6                 | 5.07    | 84    | 355741   | 45.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.06%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 117952   | 47.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.02%  |
| 41) Toluene-d8                 | 7.34    | 98    | 318464   | 44.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.44%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 56242    | 44.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.16%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 94770    | 100.78   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 100.78% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23   | 84    | 159027   | 51.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 102.06% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 140494   | 51.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.36% |

## Target Compounds

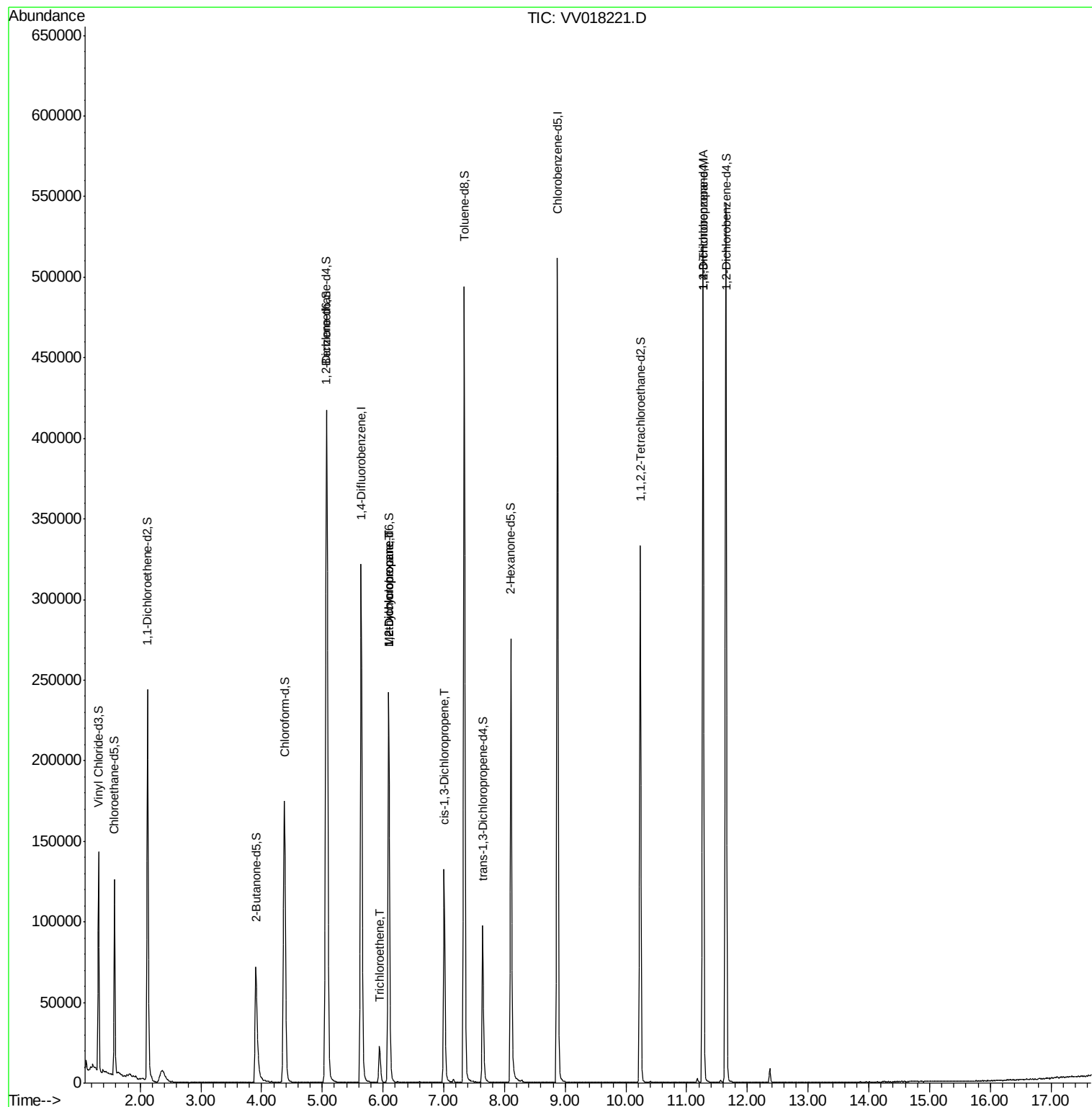
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 34) Trichloroethene         | 5.95  | 95 | 8475  | 3.987 ug/L   | 97     |
| 35) Methylcyclohexane       | 6.09  | 83 | 27881 | 8.711 ug/L # | 18     |
| 37) 1,2-Dichloropropane     | 6.09  | 63 | 12494 | 6.042 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene | 7.01  | 75 | 3052  | 0.958 ug/L # | 63     |
| 59) 1,2,3-Trichloropropane  | 11.27 | 75 | 14935 | 6.141 ug/L   | 93     |

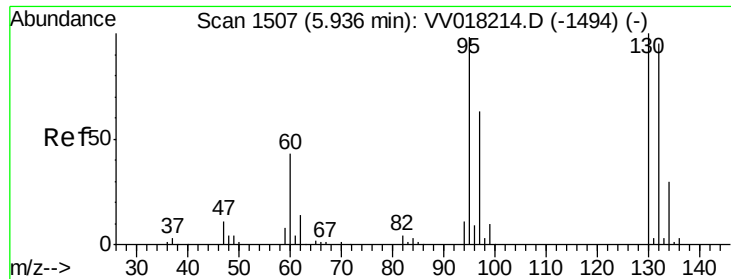
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#34

Trichloroethene

Concen: 3.987 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV018221.D

Acq: 15 Sep 2020 14:55

Instrument :

MSVOA\_V

ClientSampleId :

BFWT4

Tot Ion: 95 Resp: 8475

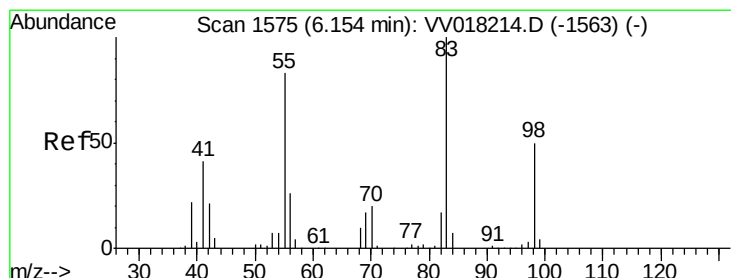
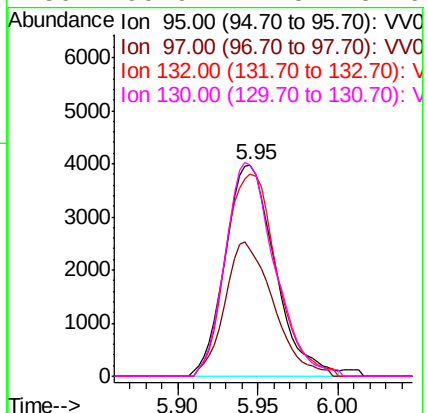
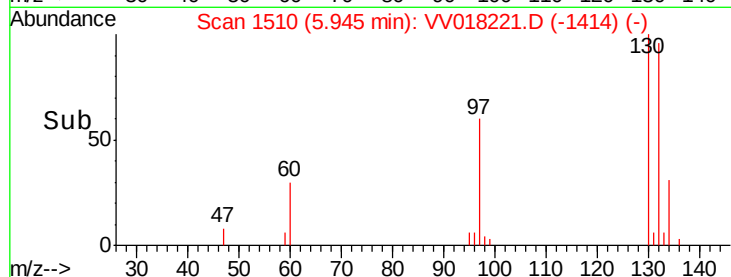
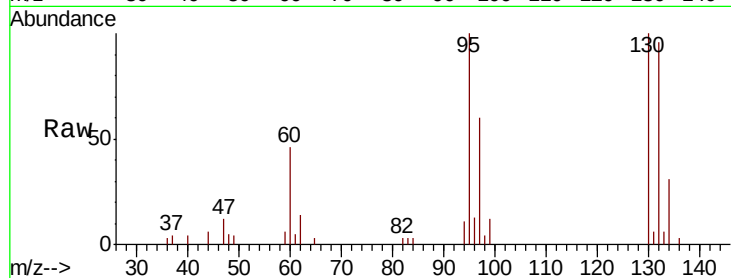
Ion Ratio Lower Upper

95 100

97 60.0 46.3 85.9

132 95.5 68.1 126.5

130 99.9 71.5 132.9



#35

Methylcyclohexane

Concen: 8.711 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018221.D

Acq: 15 Sep 2020 14:55

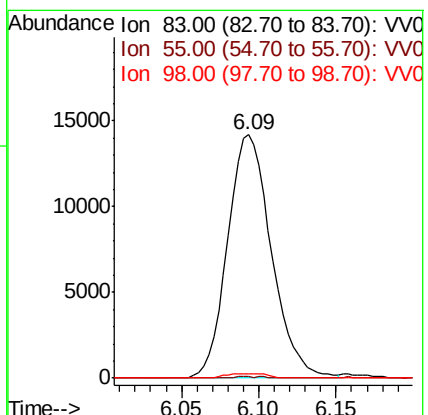
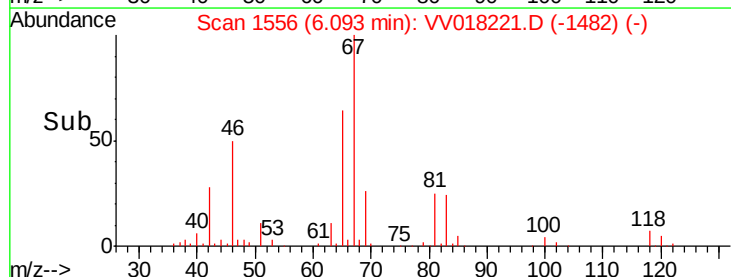
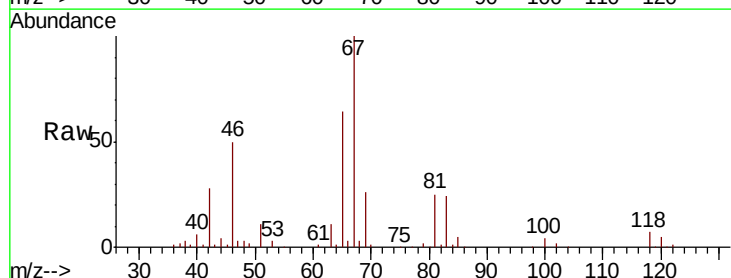
Tgt Ion: 83 Resp: 27881

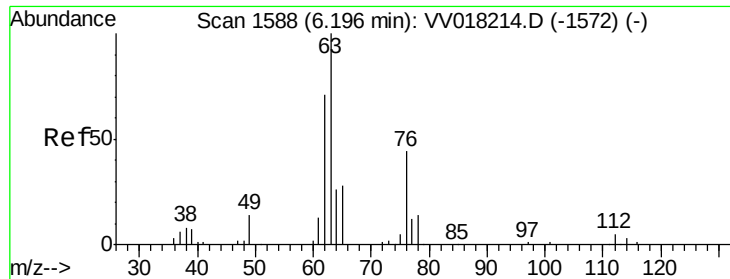
Ion Ratio Lower Upper

83 100

55 0.2 63.4 95.2#

98 1.7 38.8 58.2#

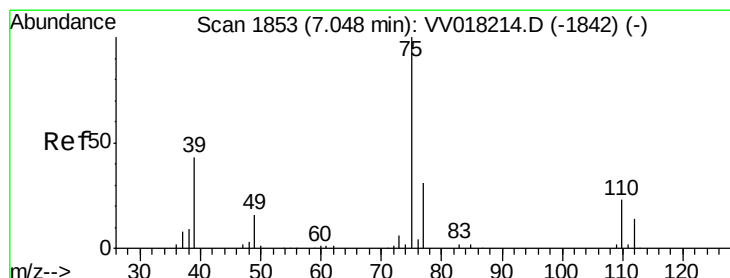
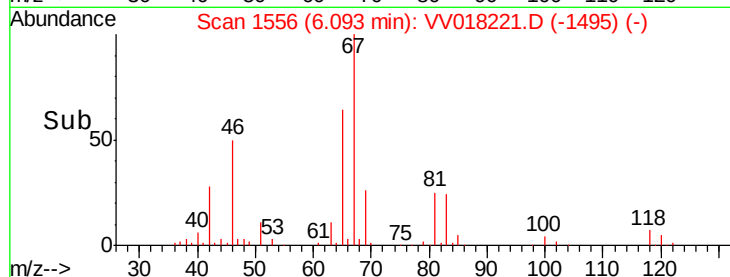
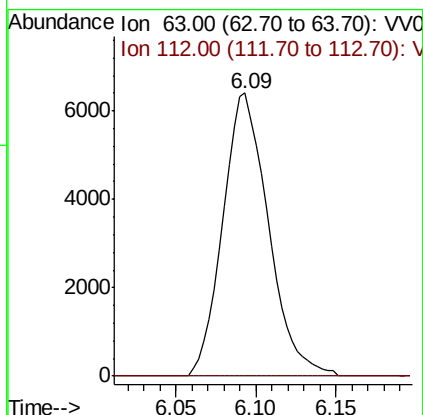
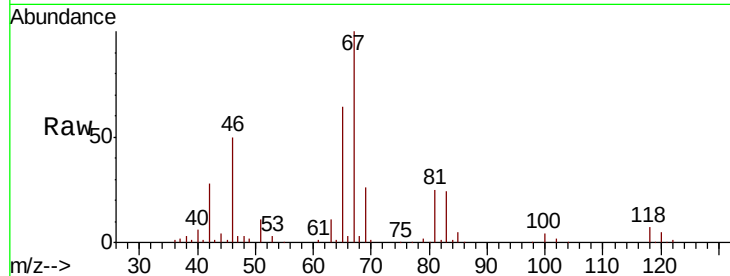




#37  
 1,2-Dichloropropane  
 Concen: 6.042 ug/L  
 RT: 6.09 min Scan# 1556  
 Delta R.T. -0.10 min  
 Lab File: VV018221.D  
 Acq: 15 Sep 2020 14:55

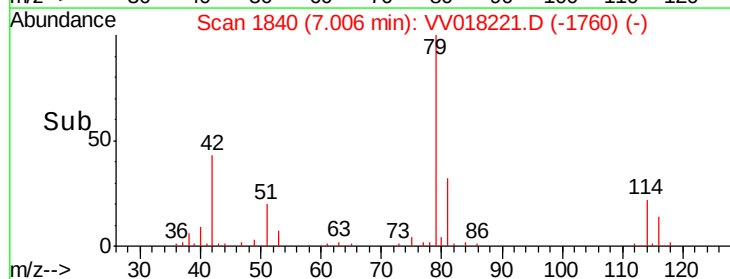
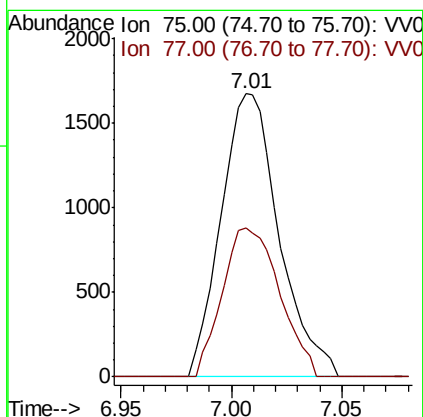
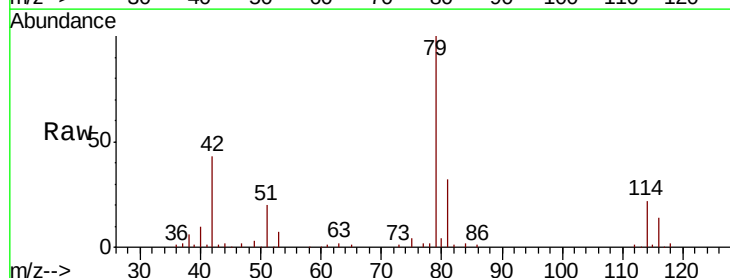
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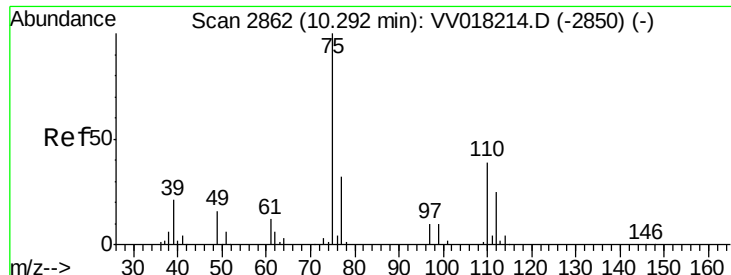
Tot Ion: 63 Resp: 12494  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.4 5.2#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.958 ug/L  
 RT: 7.01 min Scan# 1840  
 Delta R.T. -0.04 min  
 Lab File: VV018221.D  
 Acq: 15 Sep 2020 14:55

Tgt Ion: 75 Resp: 3052  
 Ion Ratio Lower Upper  
 75 100  
 77 52.5 22.3 41.3#





#59

1,2,3-Trichloropropane

Concen: 6.141 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018221.D

Acq: 15 Sep 2020 14:55

Instrument :

MSVOA\_V

ClientSampleId :

BFWT4

Tot Ion: 75 Resp: 14935

Ion Ratio Lower Upper

75 100

77 36.1 25.8 38.6

