

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082620\  
 Data File : VW016368.D  
 Acq On : 26 Aug 2020 15:35  
 Operator : SY/VA  
 Sample : L3807-13  
 Misc : 6.18G/10ML/MSVOA W/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFSS0

Quant Time: Aug 27 02:44:17 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 27 02:40:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 263505   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 242535   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 110276   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 45424    | 16.15    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 64.60% |
| 7) Chloroethane-d5             | 2.89   | 69    | 39684    | 18.58    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 74.32% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 93227    | 13.95    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 55.80% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 30997    | 38.74    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 77.48% |
| 24) Chloroform-d               | 7.65   | 84    | 147114   | 21.42    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 85.68% |
| 26) 1,2-Dichloroethane-d4      | 8.41   | 65    | 44       | 0.01     | ug/L | 0.10   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.04%# |
| 29) Benzene-d6                 | 8.27   | 84    | 279989   | 20.68    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 82.72% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 81208    | 21.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 86.68% |
| 37) Toluene-d8                 | 10.32  | 98    | 264823   | 20.73    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 82.92% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 34798    | 19.24    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 76.96% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 25926    | 43.19    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 86.38% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 67332    | 21.59    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 86.36% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 99107    | 23.44    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 93.76% |

## Target Compounds

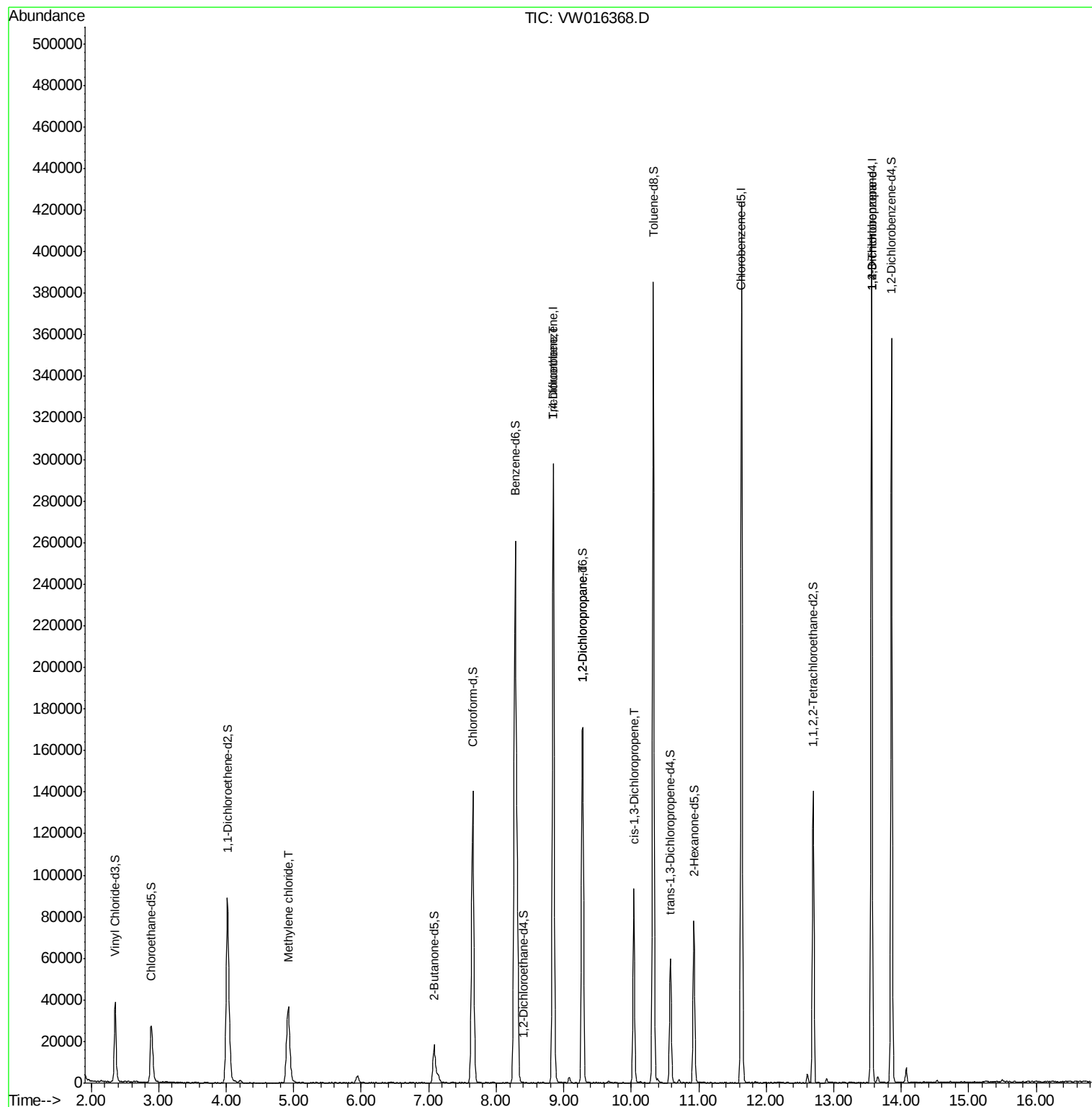
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride      | 4.92  | 84 | 33605 | 6.899 ug/L   | 97     |
| 35) Trichloroethene         | 8.85  | 95 | 7817  | 1.985 ug/L # | 4      |
| 40) 1,2-Dichloropropane     | 9.27  | 63 | 9388  | 2.869 ug/L # | 84     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 2357  | 0.440 ug/L   | 87     |
| 59) 1,2,3-Trichloropropane  | 13.56 | 75 | 11587 | 4.965 ug/L   | 90     |

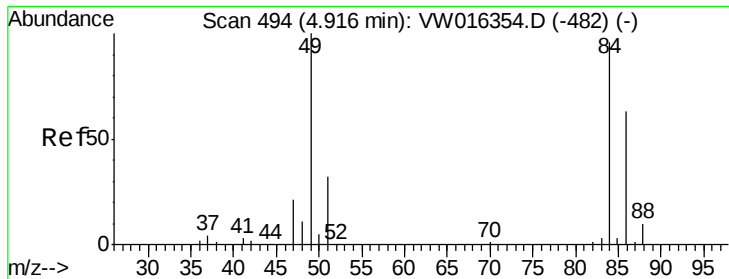
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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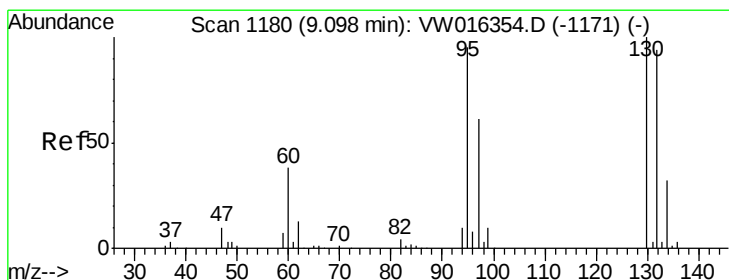
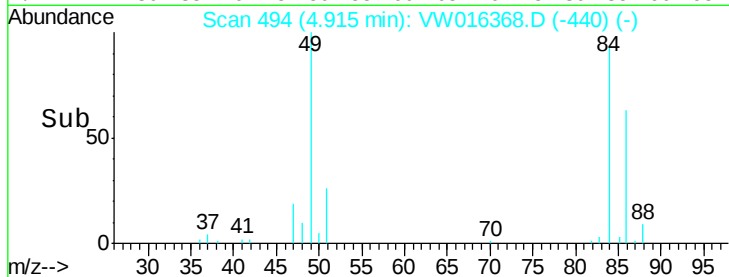
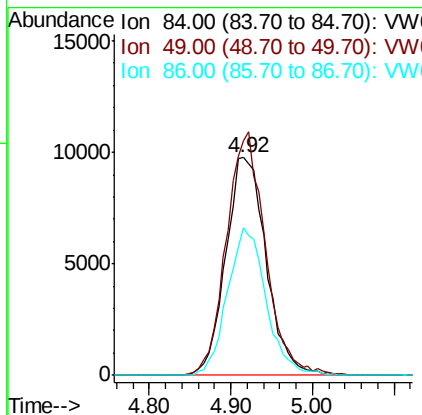
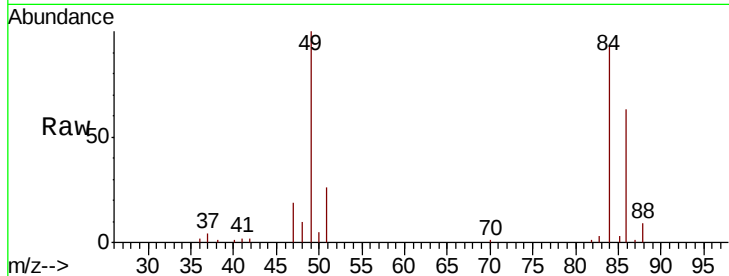




#16  
Methvlene chloride  
Concen: 6.899 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. -0.00 min  
Lab File: VW016368.D  
Acq: 26 Aug 2020 15:35

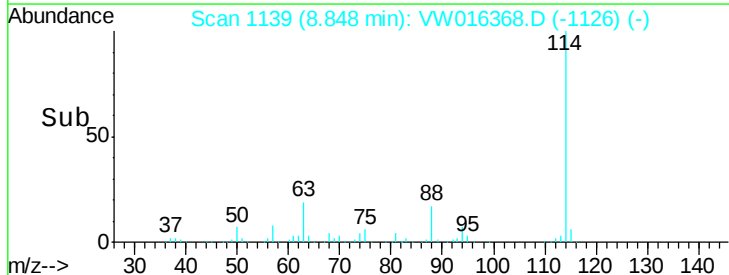
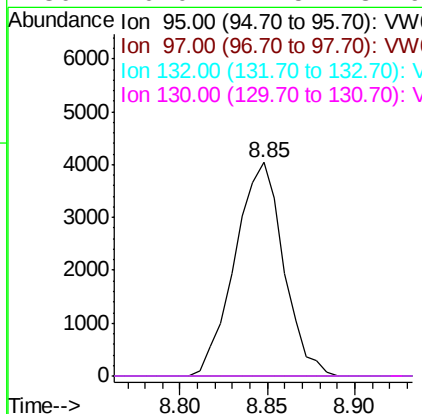
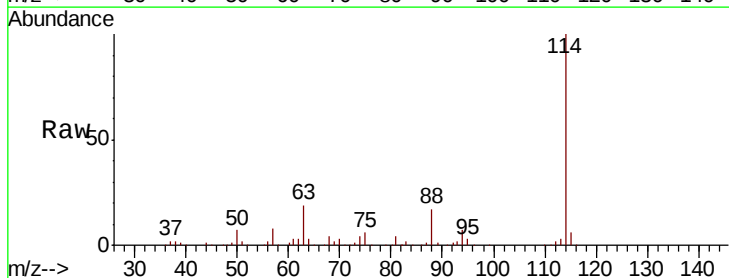
Instrument :  
MSVOA\_W  
ClientSampleId :  
BFSS0

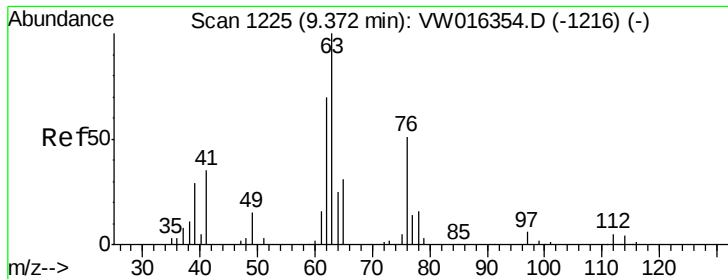
Tot Ion: 84 Resp: 33605  
Ion Ratio Lower Upper  
84 100  
49 107.9 75.3 139.9  
86 67.5 43.3 80.3



#35  
Trichloroethene  
Concen: 1.985 ug/L  
RT: 8.85 min Scan# 1139  
Delta R.T. -0.25 min  
Lab File: VW016368.D  
Acq: 26 Aug 2020 15:35

Tgt Ion: 95 Resp: 7817  
Ion Ratio Lower Upper  
95 100  
97 0.0 44.9 83.5#  
132 0.0 68.2 126.6#  
130 0.0 71.5 132.9#

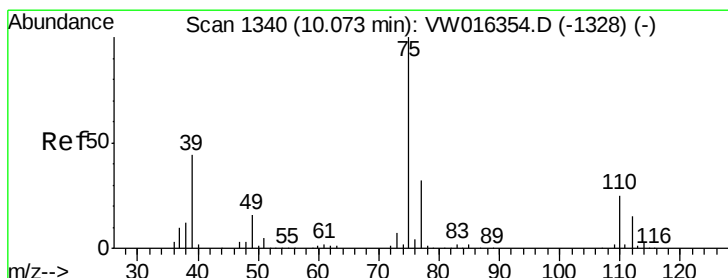
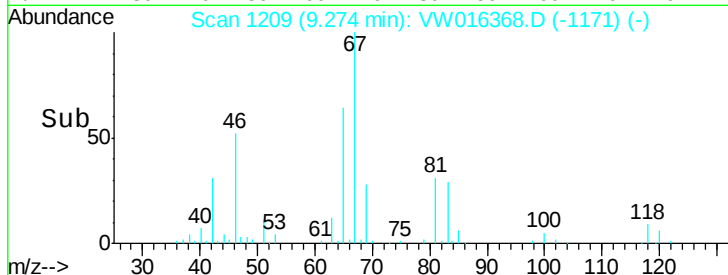
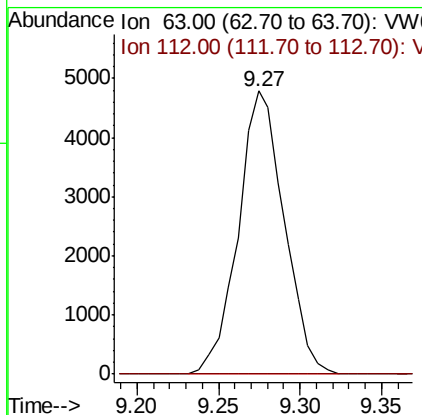
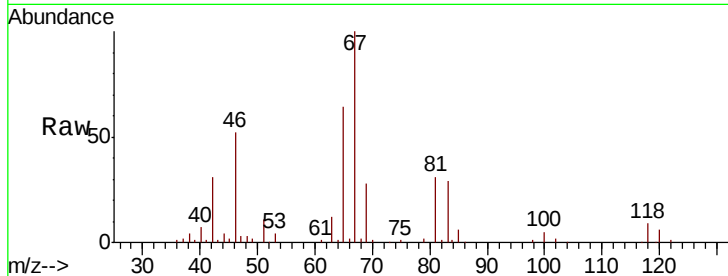




#40  
 1,2-Dichloropropane  
 Concen: 2.869 ug/L  
 RT: 9.27 min Scan# 1209  
 Delta R.T. -0.10 min  
 Lab File: VW016368.D  
 Acq: 26 Aug 2020 15:35

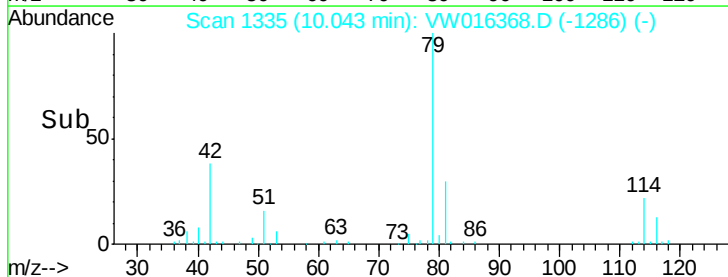
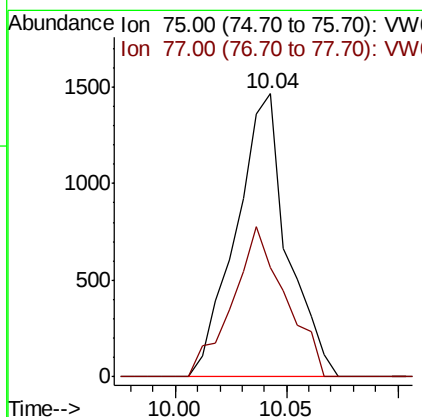
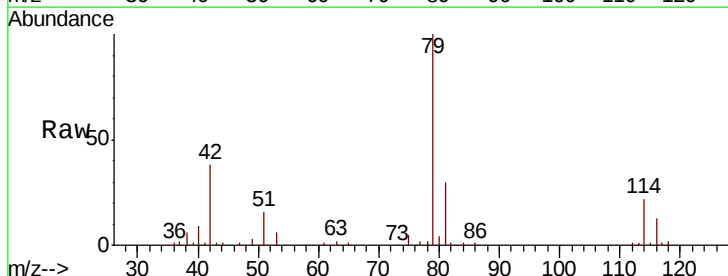
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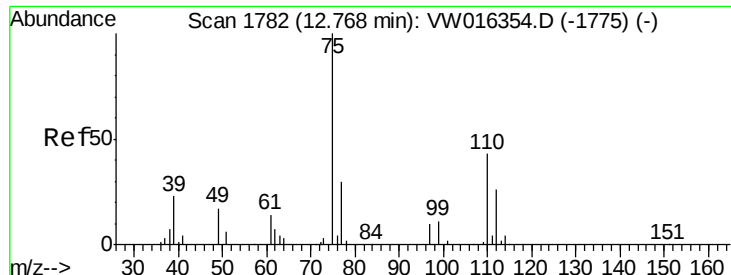
Tot Ion: 63 Resp: 9388  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 4.4 6.6#



#42  
 cis-1,3-Dichloropropene  
 Concen: 0.440 ug/L  
 RT: 10.04 min Scan# 1335  
 Delta R.T. -0.03 min  
 Lab File: VW016368.D  
 Acq: 26 Aug 2020 15:35

Tgt Ion: 75 Resp: 2357  
 Ion Ratio Lower Upper  
 75 100  
 77 38.6 22.0 40.8





#59

1,2,3-Trichloropropane

Concen: 4.965 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016368.D

Acq: 26 Aug 2020 15:35

Instrument :

MSVOA\_W

ClientSampleId :

BFSS0

Tot Ion: 75 Resp: 11587

Ion Ratio Lower Upper

75 100

77 39.4 27.1 40.7

