

Data File : VV013898.D  
Acq On : 03 Dec 2019 18:41  
Operator : SY/MD  
Sample : K6086-07  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK01

Quant Time: Dec 04 01:15:54 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Dec 04 01:11:22 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.65  | 114  | 618497   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 583207   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 255802   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 155936   | 43.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.18%  |
| 7) Chloroethane-d5             | 1.55    | 69    | 163213   | 43.71    | ug/L | -0.02   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 87.42%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 263328   | 33.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.58%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 245378   | 97.46    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.46%  |
| 24) Chloroform-d               | 4.39    | 84    | 355846   | 47.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.74%  |
| 26) 1,2-Dichloroethane-d4      | 5.07    | 65    | 236724   | 49.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.46%  |
| 32) Benzene-d6                 | 5.09    | 84    | 742984   | 49.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.32%  |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 222242   | 48.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.98%  |
| 41) Toluene-d8                 | 7.35    | 98    | 622994   | 45.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.44%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 98575    | 44.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.32%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 131315   | 77.52    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 77.52%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 307560   | 46.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.64%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 282404   | 56.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 112.42% |

#### Target Compounds

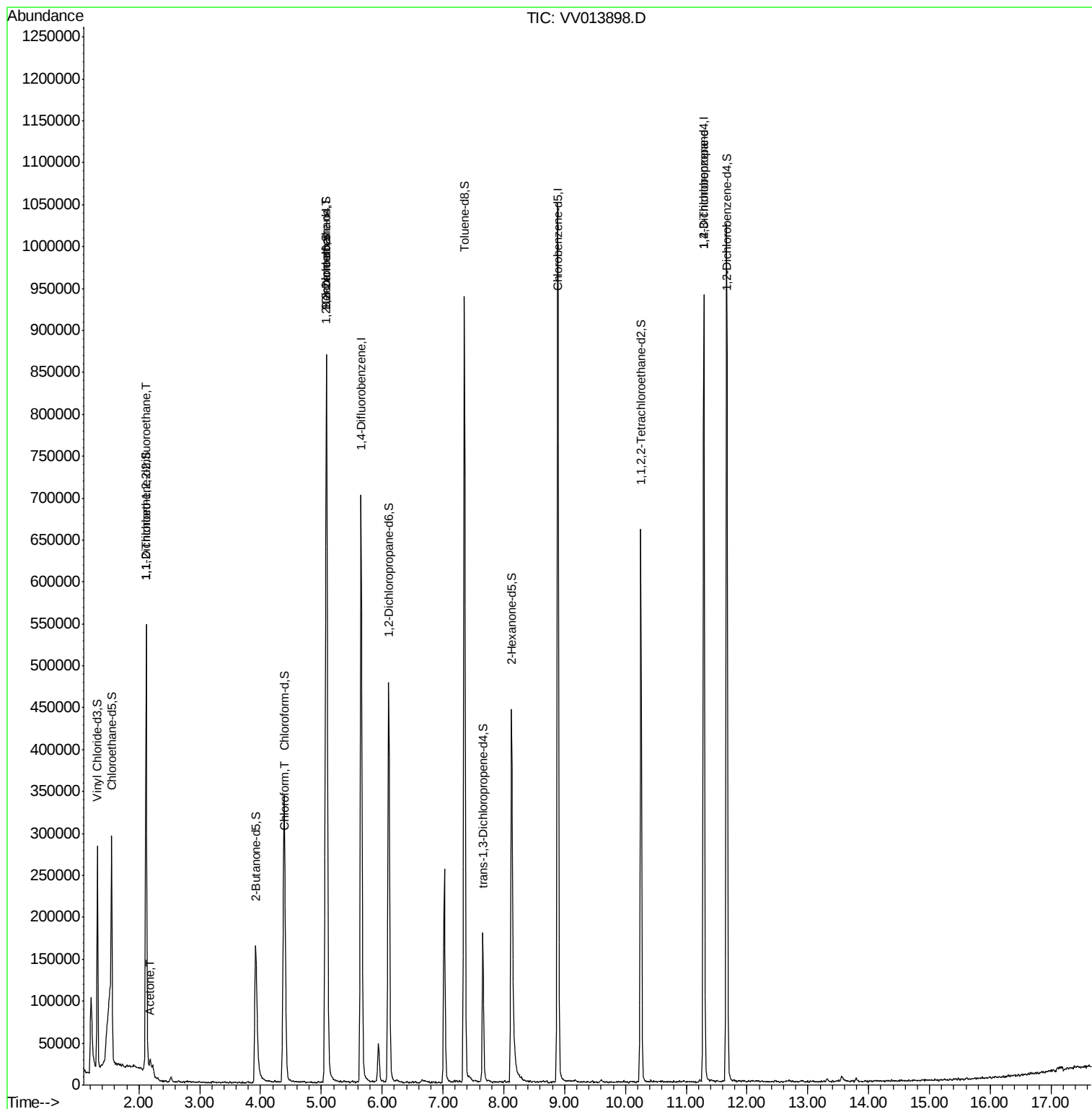
|                                |       |     |       |            | Qvalue |
|--------------------------------|-------|-----|-------|------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 3105  | 0.668 ug/L | # 22   |
| 13) Acetone                    | 2.19  | 43  | 5758  | 1.561 ug/L | 88     |
| 25) Chloroform                 | 4.41  | 83  | 14321 | 1.692 ug/L | 98     |
| 27) 1,2-Dichloroethane         | 5.08  | 62  | 4603  | 0.755 ug/L | 100    |
| 59) 1,2,3-Trichloropropane     | 11.29 | 75  | 25921 | 4.557 ug/L | 90     |

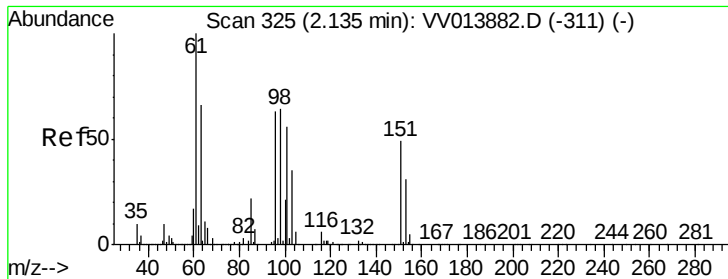
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.668 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.02 min

Lab File: VV013898.D

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Instrument :

MSVOA\_V

ClientSampleId :

VHBLK01

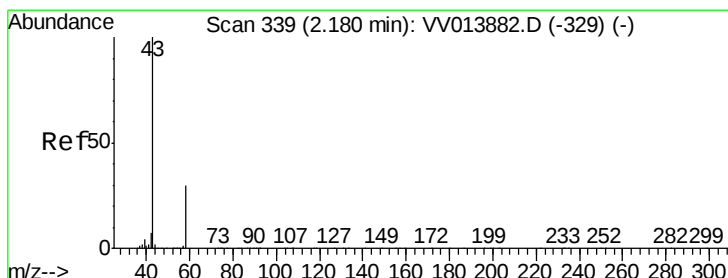
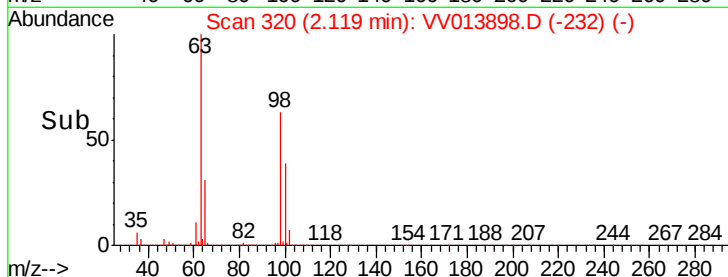
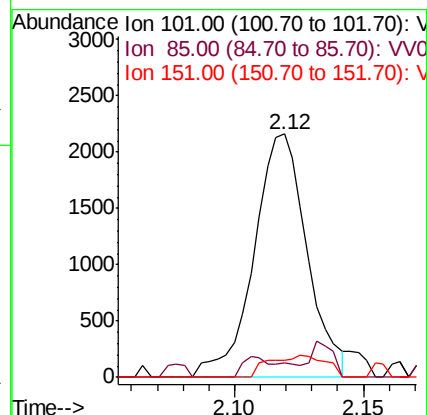
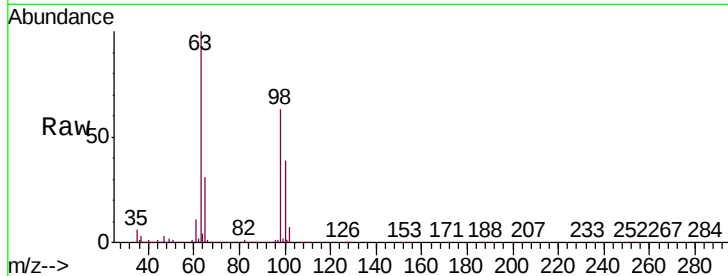
Tgt Ion:101 Resp: 3105

Ion Ratio Lower Upper

101 100

85 5.9 32.5 48.7#

151 6.0 69.8 104.6#



#13

Acetone

Concen: 1.561 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VV013898.D

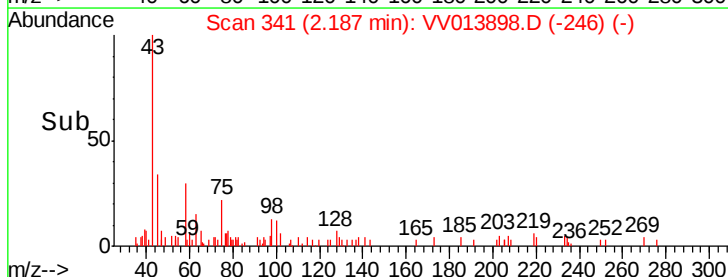
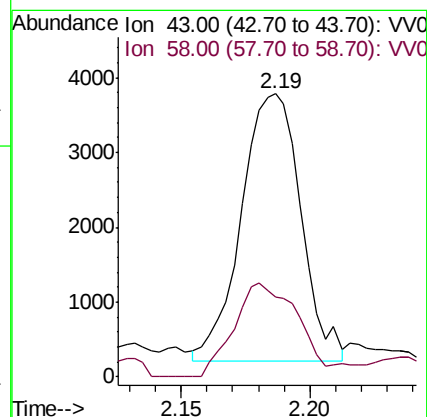
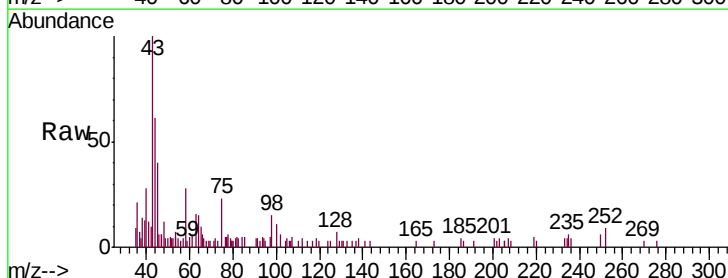
Acq: 03 Dec 2019 18:41

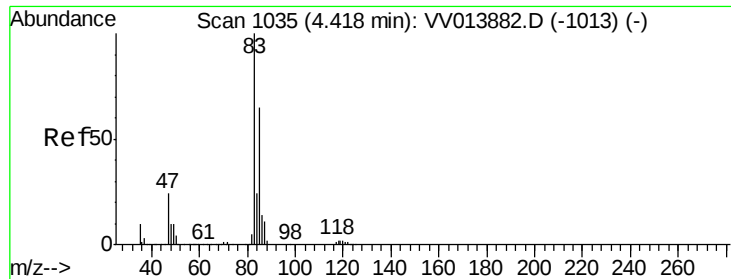
Tgt Ion: 43 Resp: 5758

Ion Ratio Lower Upper

43 100

58 37.0 0.0 60.8

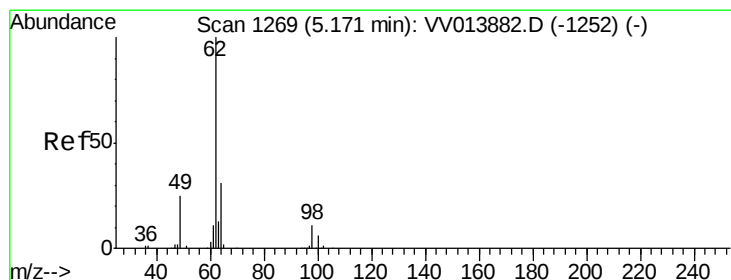
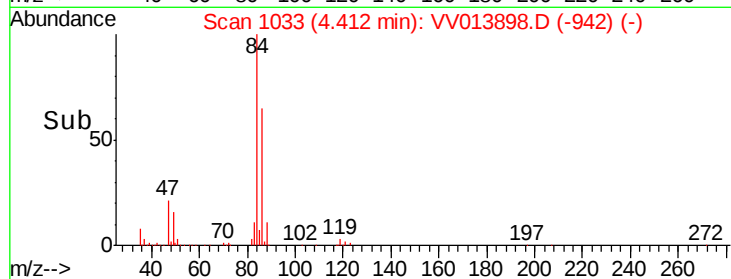
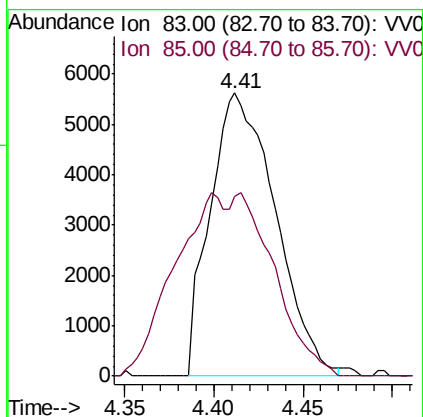
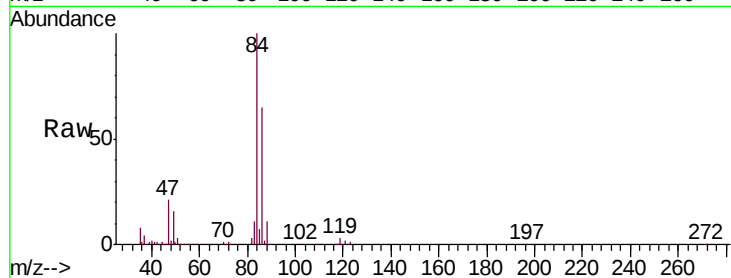




#25  
Chloroform  
Concen: 1.692 ug/L  
RT: 4.41 min Scan# 1033  
Delta R.T. -0.01 min  
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Acq: 03 Dec 2019 18:41

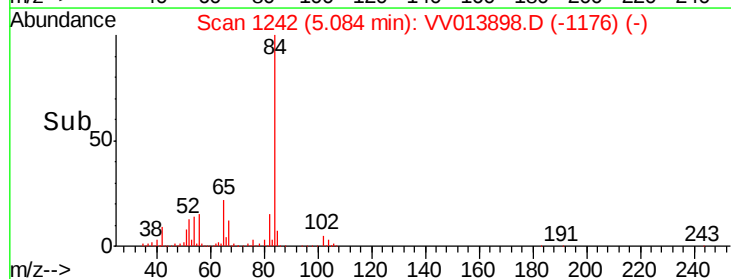
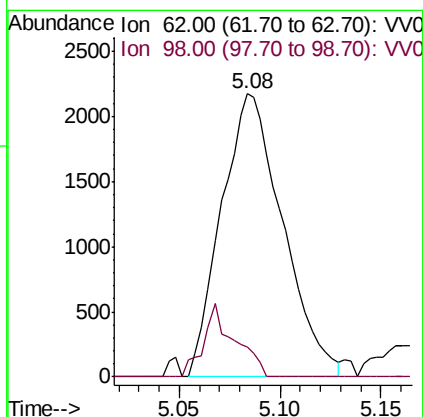
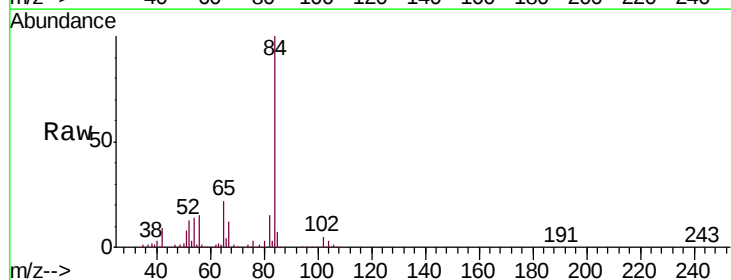
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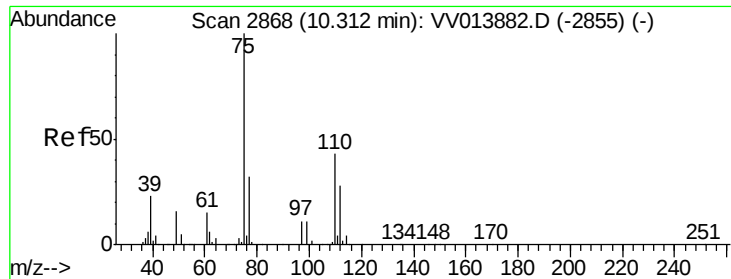
Tgt Ion: 83 Resp: 14321  
Ion Ratio Lower Upper  
83 100  
85 63.3 45.7 84.9



#27  
1,2-Dichloroethane  
Concen: 0.755 ug/L  
RT: 5.08 min Scan# 1242  
Delta R.T. -0.09 min  
Lab File: VV013898.D  
Acq: 03 Dec 2019 18:41

Tgt Ion: 62 Resp: 4603  
Ion Ratio Lower Upper  
62 100  
98 10.6 8.5 12.7





#59

1,2,3-Trichloropropane

Concen: 4.557 ug/L

RT: 11.29 min Scan# 3172

Delta R.T. 0.98 min

Lab File: VV013898.D

Acq: 03 Dec 2019 18:41

Instrument :

MSVOA\_V

ClientSampleId :

VHBLK01

Tgt Ion: 75 Resp: 25921

Ion Ratio Lower Upper

75 100

77 37.7 25.8 38.8

