

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121119\  
 Data File : VV014010.D  
 Acq On : 11 Dec 2019 14:13  
 Operator : SY/MD  
 Sample : K6170-11  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 12 03:03:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 12 03:01:11 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 577937   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 594962   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 238613   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 178890   | 53.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 107.04% |
| 7) Chloroethane-d5             | 1.56    | 69    | 187812   | 53.83    | ug/L | -0.02   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 107.66% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 279341   | 37.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 75.58%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 212731   | 90.42    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 90.42%  |
| 24) Chloroform-d               | 4.39    | 84    | 335877   | 47.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.70%  |
| 26) 1,2-Dichloroethane-d4      | 5.07    | 65    | 224032   | 50.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.74% |
| 32) Benzene-d6                 | 5.09    | 84    | 698442   | 45.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 221412   | 47.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.68%  |
| 41) Toluene-d8                 | 7.35    | 98    | 603092   | 42.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 85.82%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 95252    | 42.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.60%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 131214   | 75.93    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 75.93%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 288703   | 43.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 86.16%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 249952   | 53.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 106.68% |

## Target Compounds

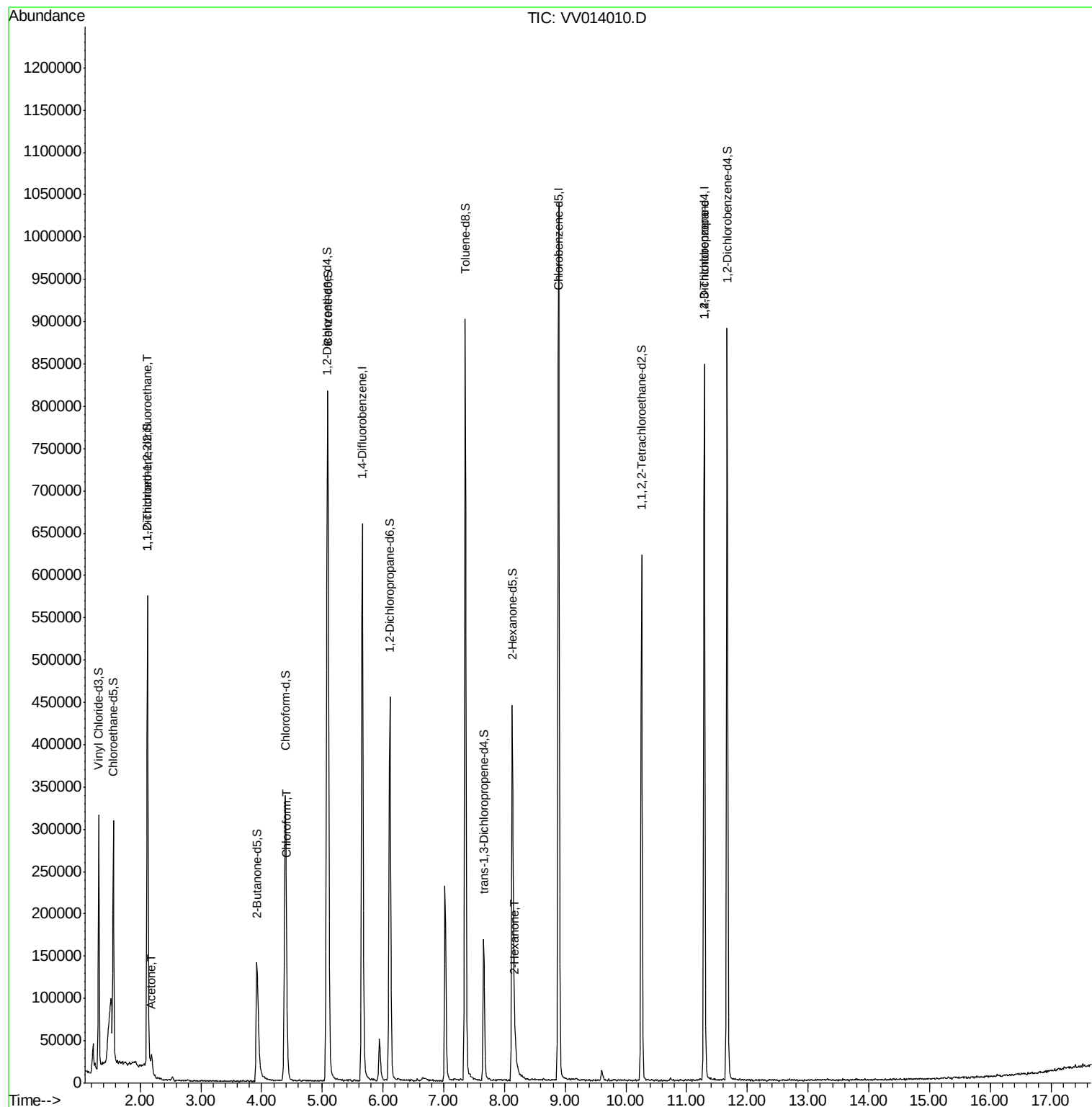
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 2823  | 0.649 ug/L # | 21     |
| 13) Acetone                    | 2.18  | 43  | 9561  | 2.773 ug/L   | 92     |
| 25) Chloroform                 | 4.42  | 83  | 9516  | 1.203 ug/L   | 99     |
| 48) 2-Hexanone                 | 8.18  | 43  | 13114 | 2.940 ug/L # | 59     |
| 59) 1,2,3-Trichloropropane     | 11.29 | 75  | 21818 | 3.760 ug/L   | 93     |

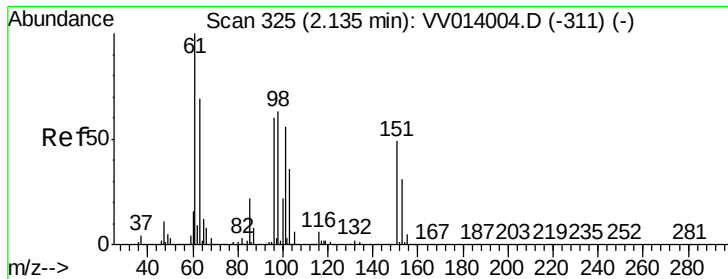
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Dec 12 03:01:11 2019  
Response via : Initial Calibration





#10

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

Concen: 0.649 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV014010.D

Acq: 11 Dec 2019 14:13

Instrument :

MSVOA\_V

ClientSampleId :

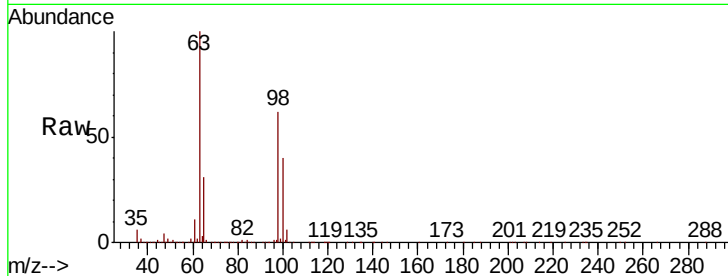
Tot Ion:101 Resp: 2823

Ion Ratio Lower Upper

101 100

85 5.6 32.5 48.7#

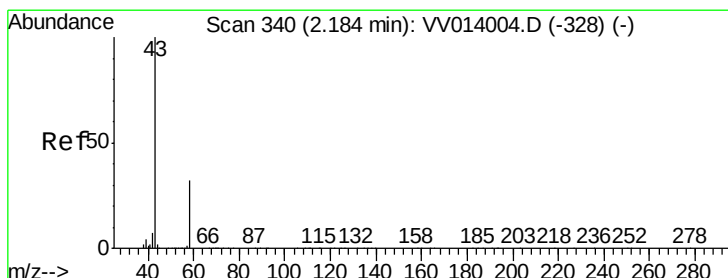
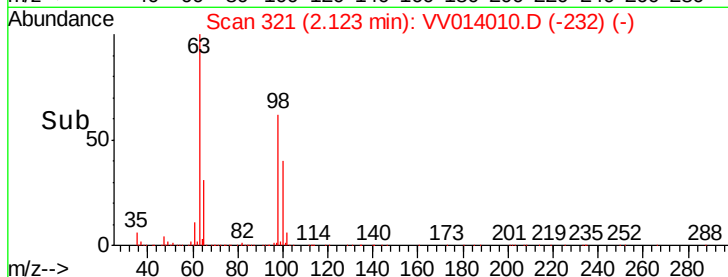
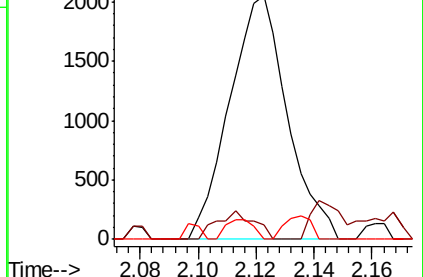
151 3.8 69.8 104.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 2.773 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV014010.D

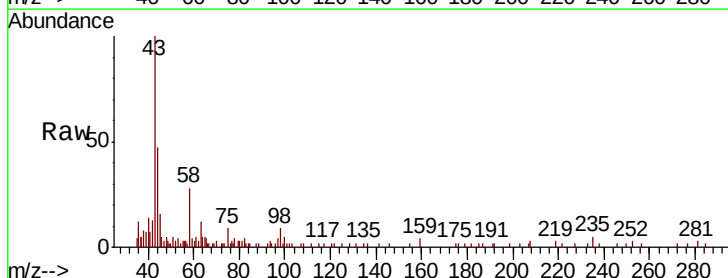
Acq: 11 Dec 2019 14:13

Tgt Ion: 43 Resp: 9561

Ion Ratio Lower Upper

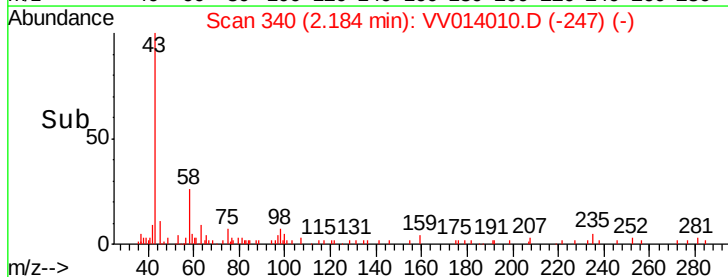
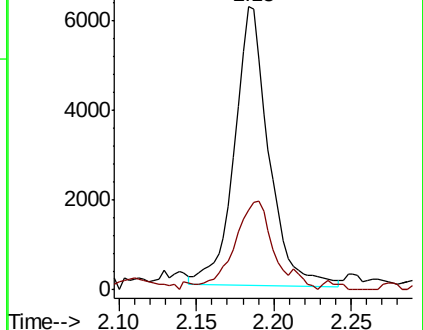
43 100

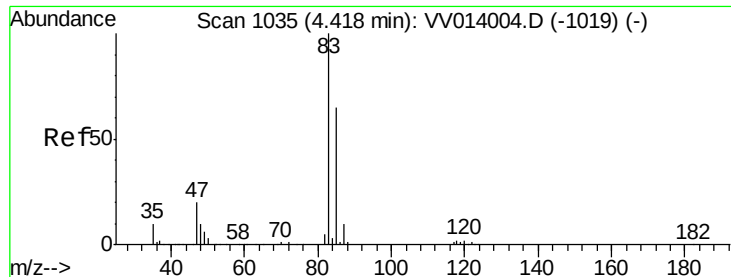
58 34.6 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

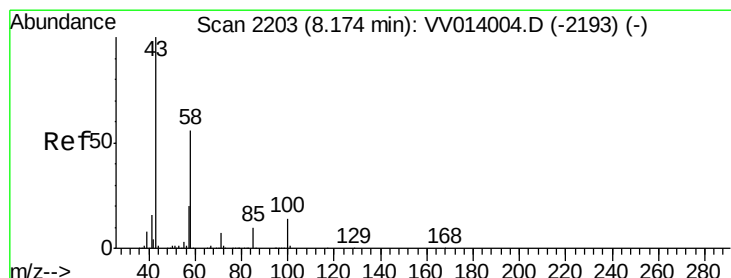
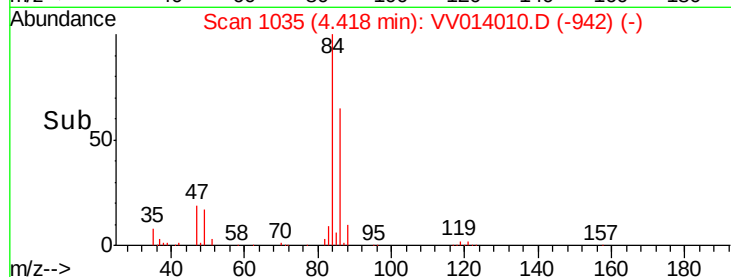
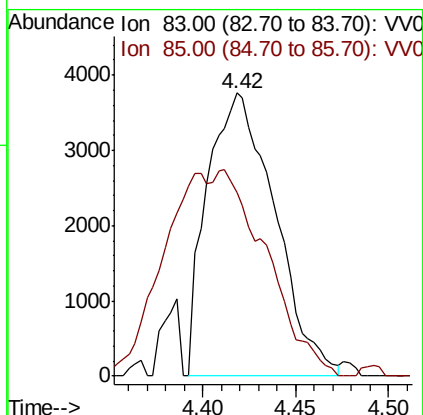
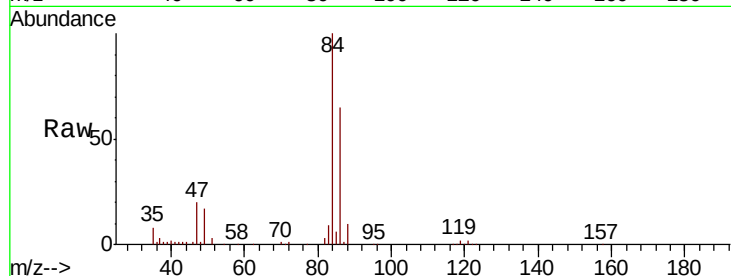




#25  
Chloroform  
Concen: 1.203 ug/L  
RT: 4.42 min Scan# 1035  
Delta R.T. -0.00 min  
Lab File: VV014010.D  
Acq: 11 Dec 2019 14:13

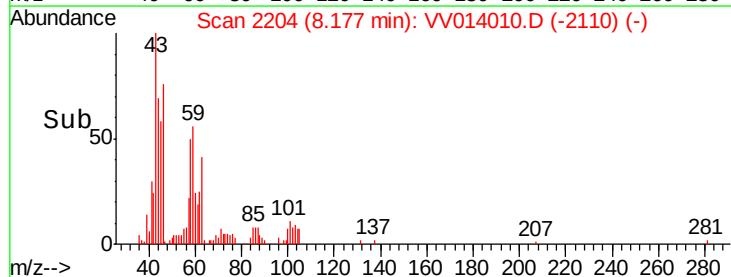
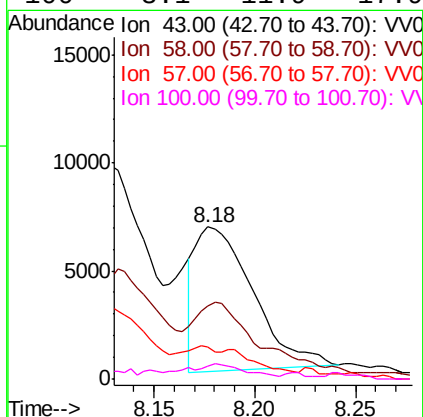
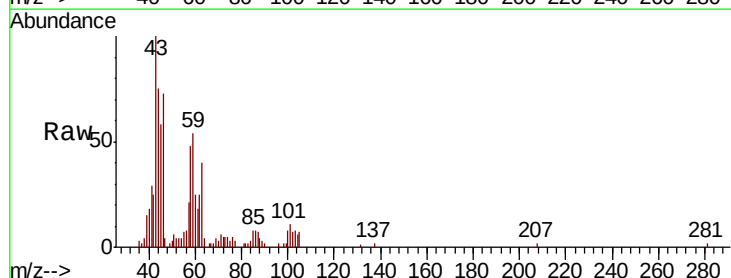
Instrument :  
MSVOA\_V  
ClientSampleId :

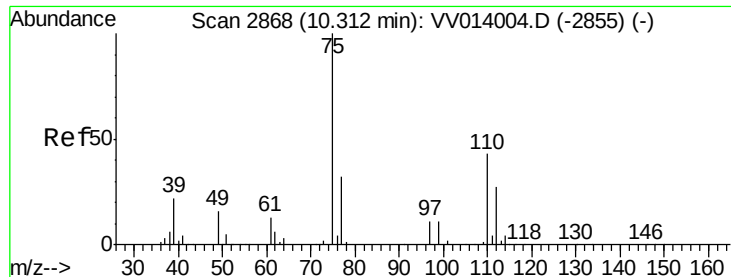
Tot Ion: 83 Resp: 9516  
Ion Ratio Lower Upper  
83 100  
85 64.9 45.7 84.9



#48  
2-Hexanone  
Concen: 2.940 ug/L  
RT: 8.18 min Scan# 2204  
Delta R.T. 0.00 min  
Lab File: VV014010.D  
Acq: 11 Dec 2019 14:13

Tgt Ion: 43 Resp: 13114  
Ion Ratio Lower Upper  
43 100  
58 28.1 48.4 72.6#  
57 0.0 16.6 24.8#  
100 3.1 11.9 17.9#





#59

1,2,3-Trichloropropane

Concen: 3.760 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.98 min

Lab File: VV014010.D

Acq: 11 Dec 2019 14:13

Instrument :

MSVOA\_V

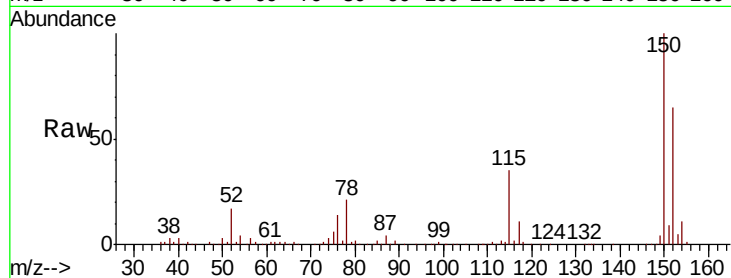
ClientSampleId :

Tot Ion: 75 Resp: 21818

Ion Ratio Lower Upper

75 100

77 36.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

