

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031020\  
 Data File : VV014792.D  
 Acq On : 10 Mar 2020 10:55  
 Operator : SY/MD  
 Sample : L1840-06  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Mar 11 01:59:30 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  | 416190   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 396048   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 197279   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 106168   | 37.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 75.40%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 88643    | 39.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 79.62%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 139494   | 29.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 59.62%# |
| 21) 2-Butanone-d5              | 3.94    | 46    | 167982   | 79.97    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 79.97%  |
| 24) Chloroform-d               | 4.38    | 84    | 228585   | 42.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.72%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 156601   | 43.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.46%  |
| 32) Benzene-d6                 | 5.07    | 84    | 476923   | 45.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.22%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 150574   | 43.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 86.88%  |
| 41) Toluene-d8                 | 7.34    | 98    | 450323   | 43.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.94%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 68082    | 40.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 80.46%  |
| 47) 2-Hexanone-d5              | 8.12    | 63    | 140523   | 91.31    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 91.31%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 205732   | 43.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 86.30%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 183868   | 47.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.04%  |

## Target Compounds

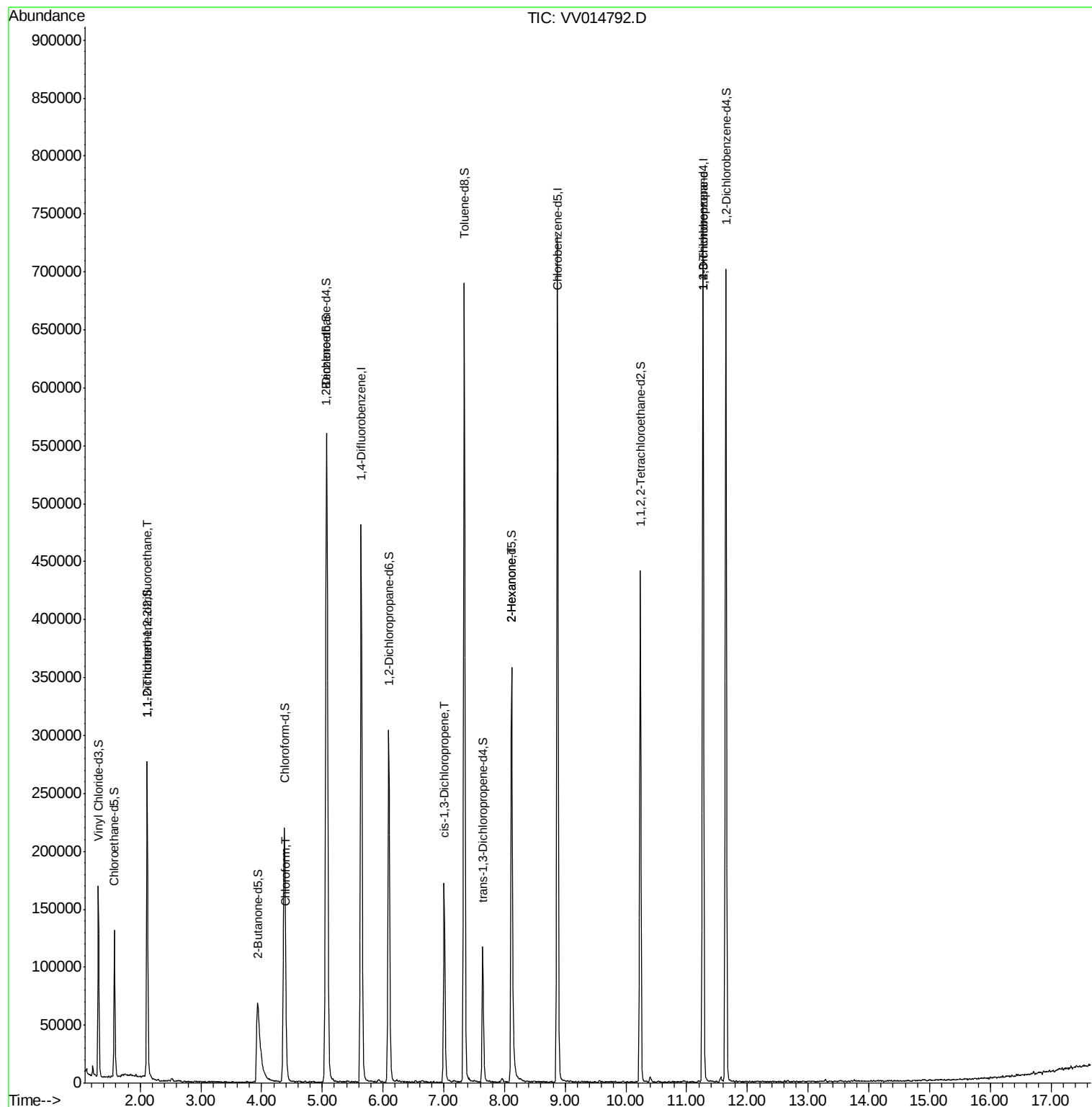
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 1630  | 0.705 ug/L # | 19     |
| 25) Chloroform                 | 4.41  | 83  | 9138  | 1.617 ug/L   | 94     |
| 39) cis-1,3-Dichloropropene    | 7.01  | 75  | 4289  | 0.883 ug/L # | 82     |
| 48) 2-Hexanone                 | 8.12  | 43  | 17262 | 4.885 ug/L # | 74     |
| 59) 1,2,3-Trichloropropane     | 11.27 | 75  | 20843 | 5.264 ug/L   | 89     |

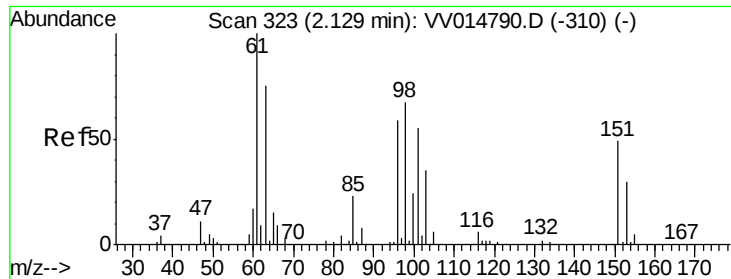
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM030620WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Mar 11 01:57:25 2020  
Response via : Initial Calibration





#10

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

Concen: 0.705 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV014792.D

Acq: 10 Mar 2020 10:55

Instrument :

MSVOA\_V

ClientSampleId :

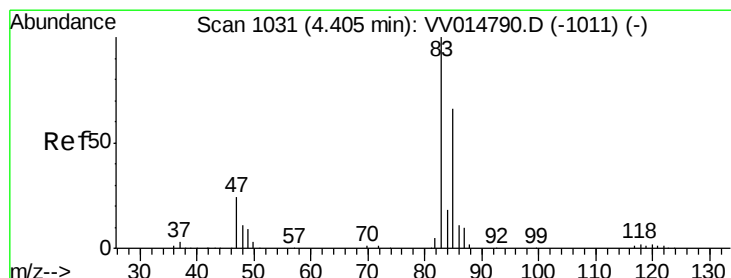
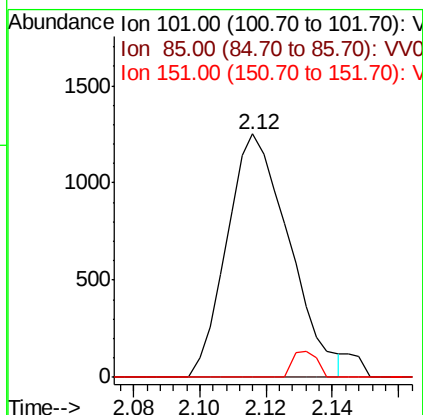
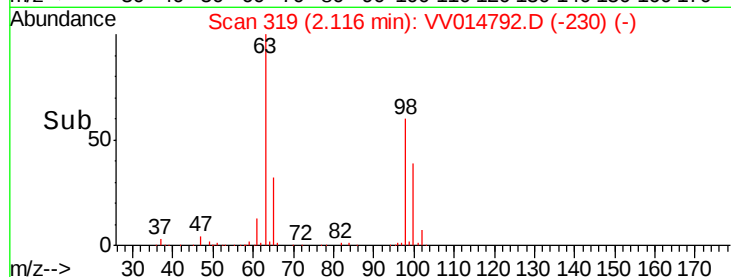
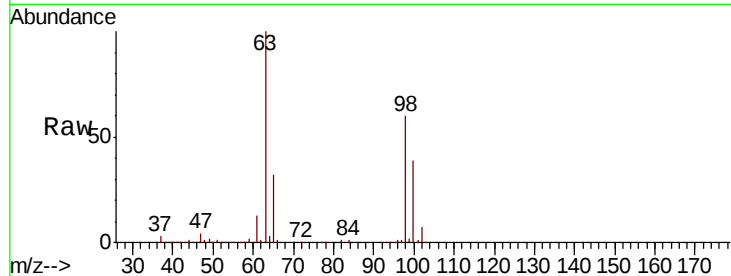
Tot Ion:101 Resp: 1630

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.6#

151 4.3 66.4 99.6#



#25

Chloroform

Concen: 1.617 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VV014792.D

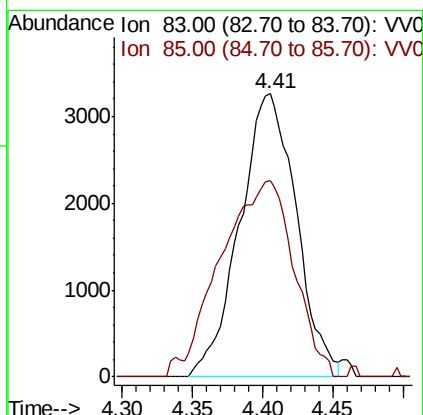
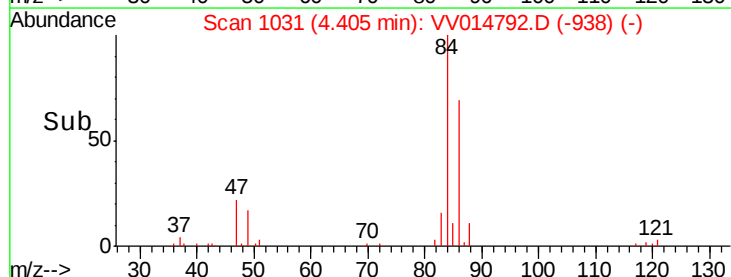
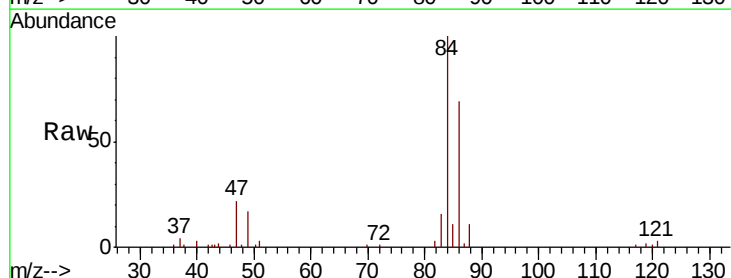
Acq: 10 Mar 2020 10:55

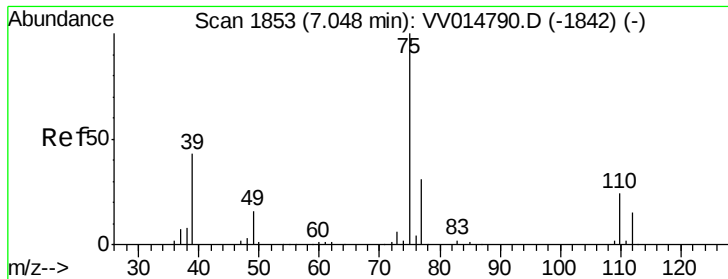
Tgt Ion: 83 Resp: 9138

Ion Ratio Lower Upper

83 100

85 69.2 45.1 83.9

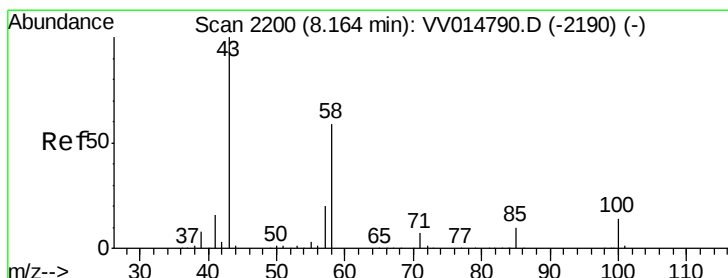
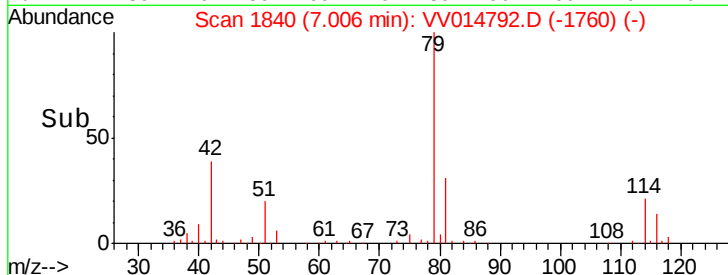
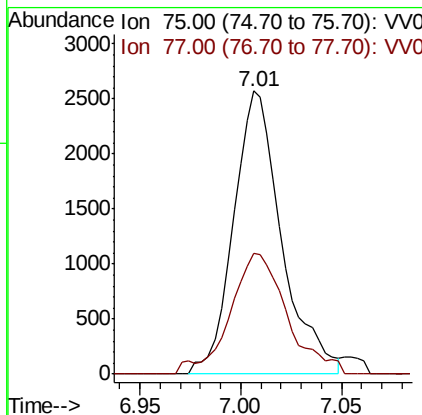
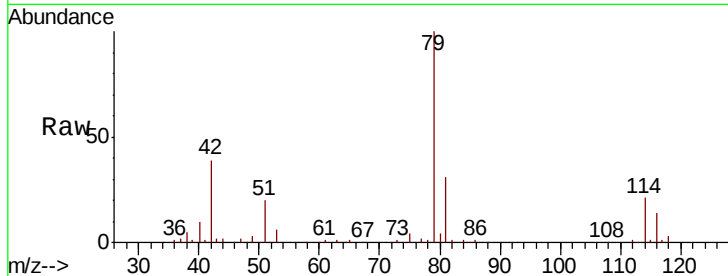




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.883 ug/L  
 RT: 7.01 min Scan# 1840  
 Delta R.T. -0.04 min  
 Lab File: VV014792.D  
 Acq: 10 Mar 2020 10:55

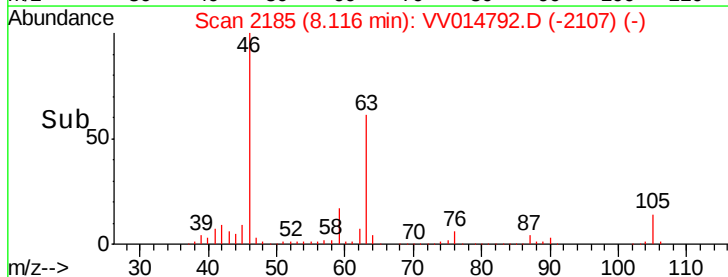
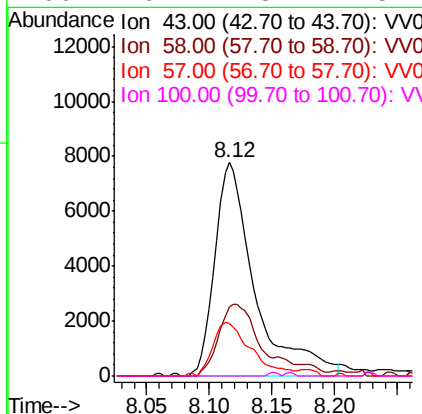
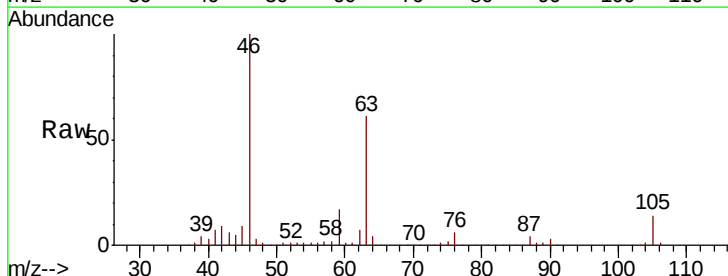
Instrument :  
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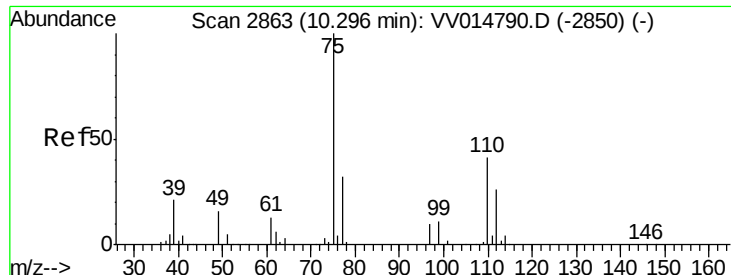
Tot Ion: 75 Resp: 4289  
 Ion Ratio Lower Upper  
 75 100  
 77 42.6 22.8 42.4#



#48  
 2-Hexanone  
 Concen: 4.885 ug/L  
 RT: 8.12 min Scan# 2185  
 Delta R.T. -0.05 min  
 Lab File: VV014792.D  
 Acq: 10 Mar 2020 10:55

Tgt Ion: 43 Resp: 17262  
 Ion Ratio Lower Upper  
 43 100  
 58 31.0 43.3 64.9#  
 57 23.8 15.6 23.4#  
 100 0.4 8.7 13.1#





#59

1,2,3-Trichloropropane

Concen: 5.264 ug/L

RT: 11.27 min Scan# 3165

Delta R.T. 0.97 min

Lab File: VV014792.D

Acq: 10 Mar 2020 10:55

Instrument :

MSVOA\_V

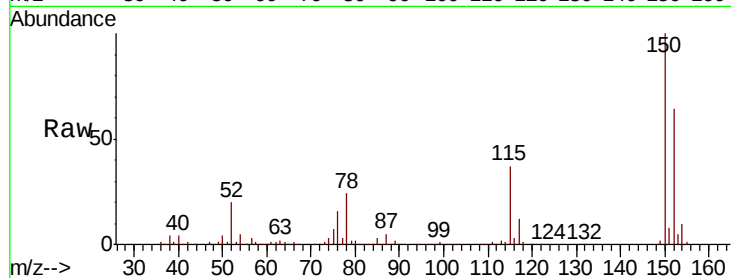
ClientSampleId :

Tot Ion: 75 Resp: 20843

Ion Ratio Lower Upper

75 100

77 38.2 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

