

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\  
 Data File : VV019169.D  
 Acq On : 30 Oct 2020 01:09  
 Operator : SY/MD  
 Sample : L4502-19ME 40X  
 Misc : 6.01µl/5.0ml/100µL/5.0ml/MSVOA-V/MEOH  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 30 05:47:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM102920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Oct 30 05:31:22 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 225385   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 218572   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 105570   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 80182    | 44.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 89.54%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 65366    | 46.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 93.96%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 117180   | 34.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 68.78%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 112028   | 102.12   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 102.12% |
| 24) Chloroform-d               | 4.38    | 84    | 162640   | 48.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.62%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 118516   | 51.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.10% |
| 32) Benzene-d6                 | 5.07    | 84    | 303434   | 48.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.88%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 92684    | 50.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.26% |
| 41) Toluene-d8                 | 7.34    | 98    | 272177   | 45.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.40%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 50502    | 47.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.42%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 81110    | 101.31   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 101.31% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23   | 84    | 123077   | 49.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.76%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 115308   | 51.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.98% |

## Target Compounds

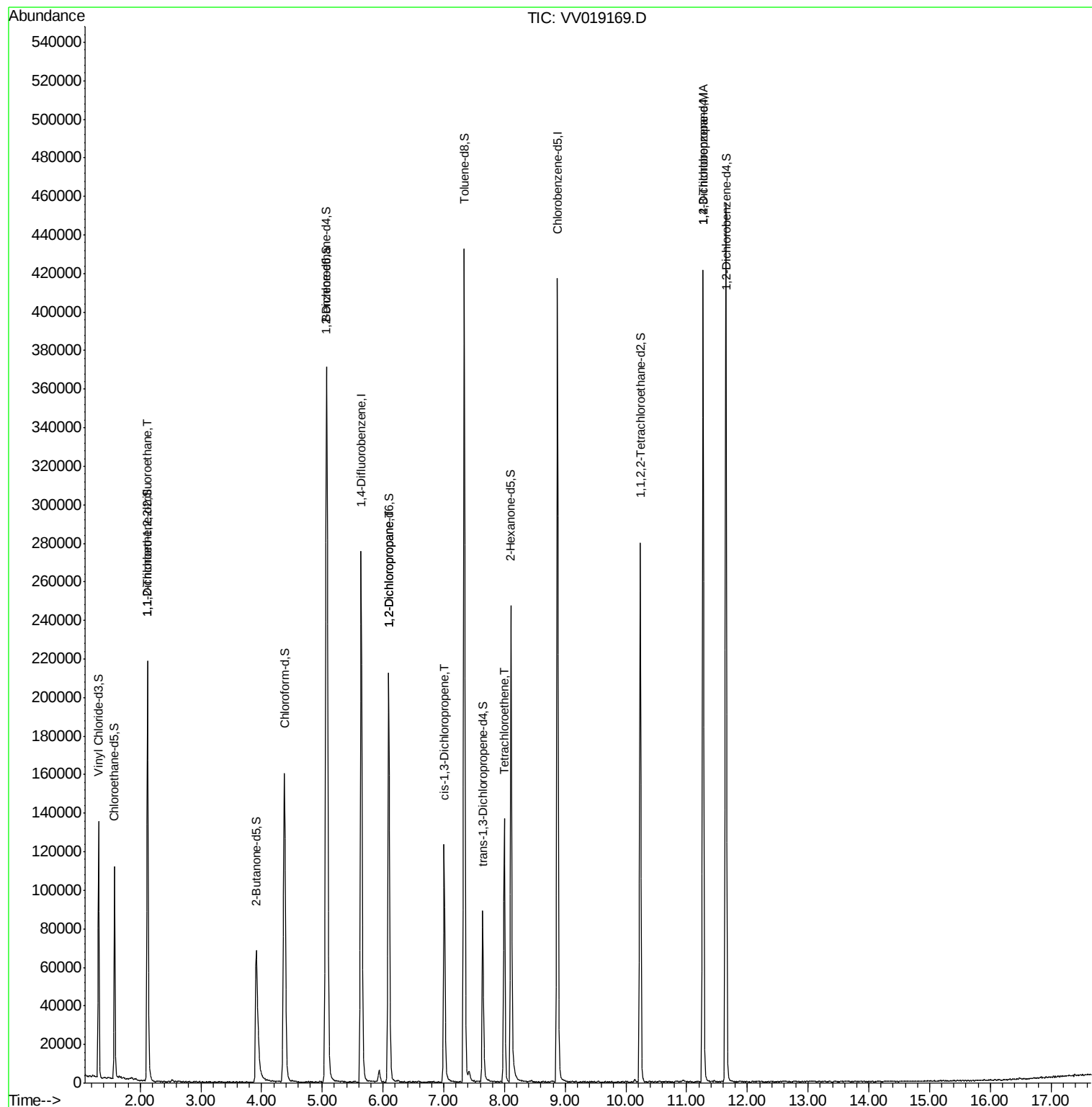
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13  | 101 | 1130  | 0.766 ug/L # | 17     |
| 37) 1,2-Dichloropropane        | 6.09  | 63  | 12294 | 7.855 ug/L # | 85     |
| 39) cis-1,3-Dichloropropene    | 7.00  | 75  | 3405  | 1.317 ug/L # | 75     |
| 46) Tetrachloroethene          | 8.00  | 164 | 30637 | 20.782 ug/L  | 98     |
| 59) 1,2,3-Trichloropropane     | 11.27 | 75  | 11332 | 5.539 ug/L   | 90     |

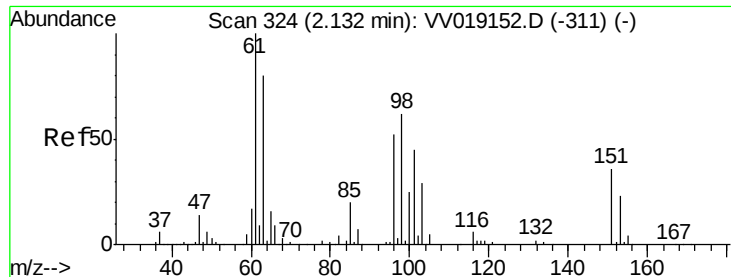
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_V  
ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM102920WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Oct 30 05:31:22 2020  
Response via : Initial Calibration





#10

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

Concen: 0.766 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV019169.D

Acq: 30 Oct 2020 01:09

Instrument :

MSVOA\_V

ClientSampled :

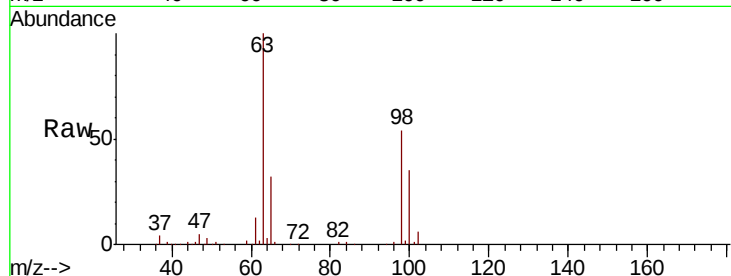
Tot Ion:101 Resp: 1130

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

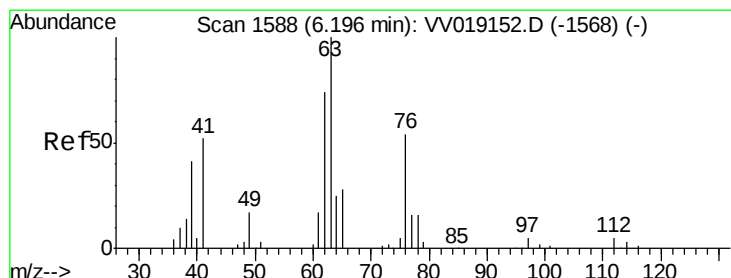
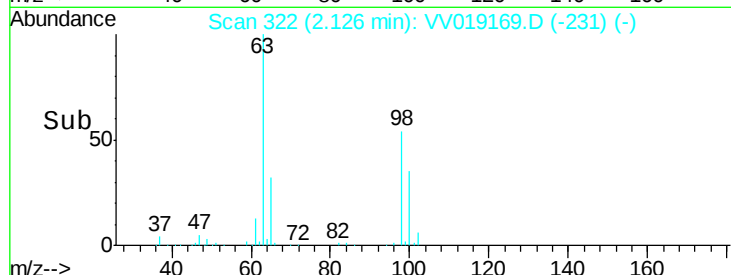
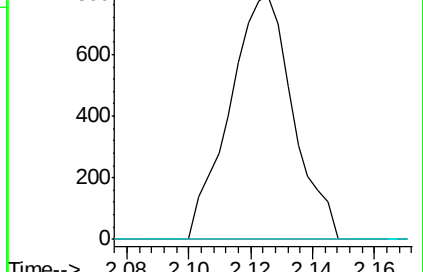
151 0.0 65.0 97.4#



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



#37

1,2-Dichloropropane

Concen: 7.855 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV019169.D

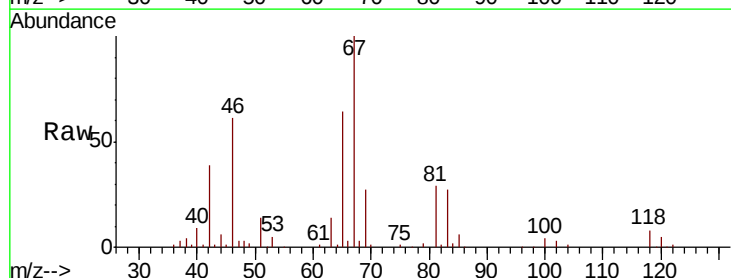
Acq: 30 Oct 2020 01:09

Tgt Ion: 63 Resp: 12294

Ion Ratio Lower Upper

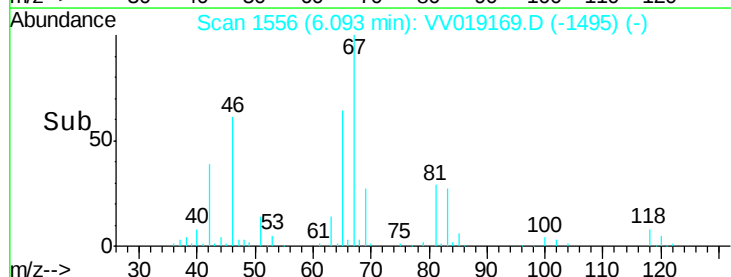
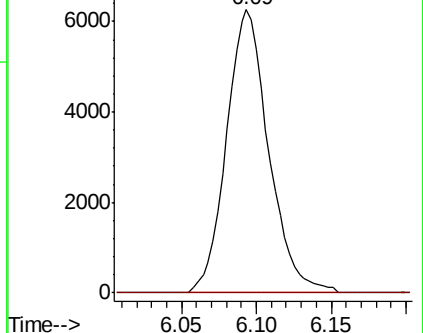
63 100

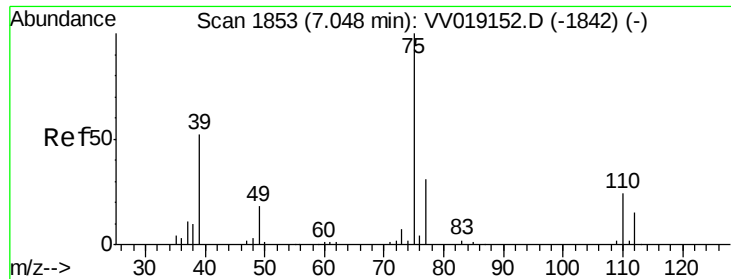
112 0.0 3.8 5.8#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

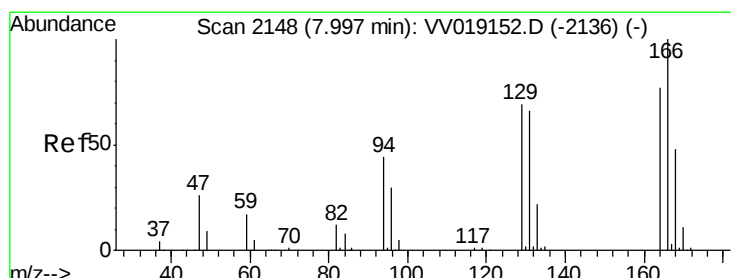
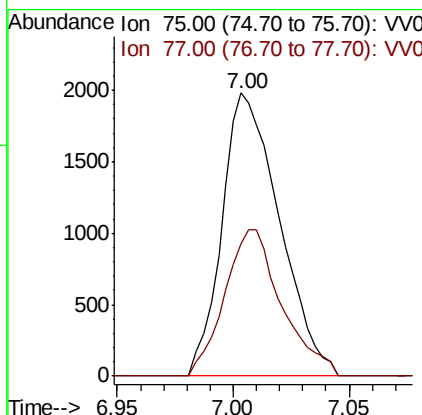
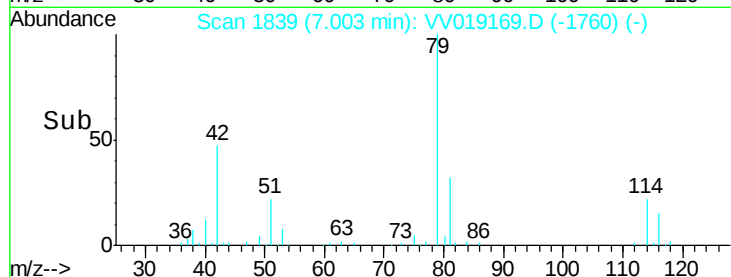
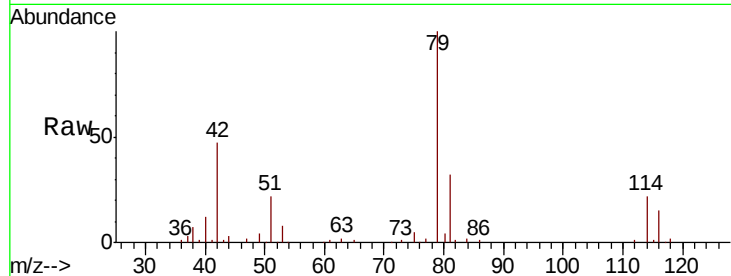




#39  
 cis-1,3-Dichloropropene  
 Concen: 1.317 ug/L  
 RT: 7.00 min Scan# 1839  
 Delta R.T. -0.05 min  
 Lab File: VV019169.D  
 Acq: 30 Oct 2020 01:09

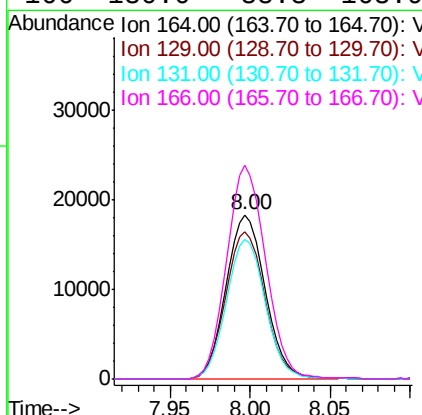
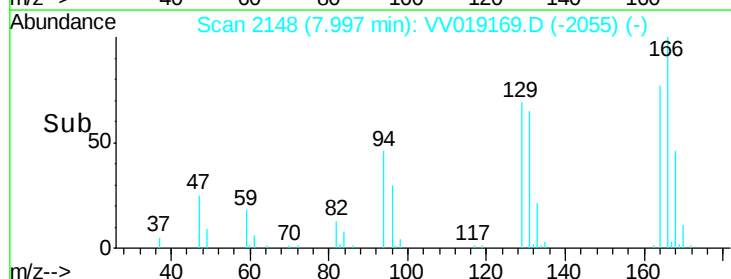
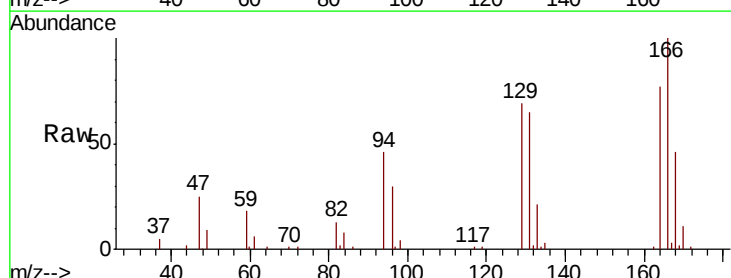
Instrument :  
 MSVOA\_V  
 ClientSampleId :

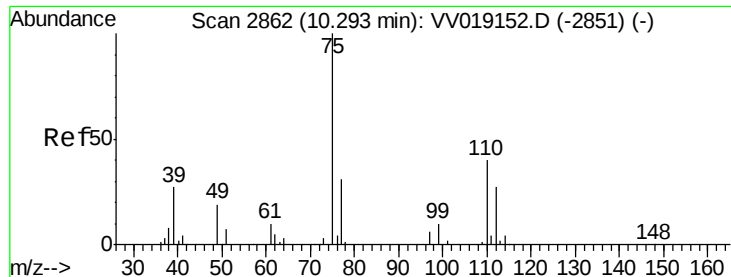
Tot Ion: 75 Resp: 3405  
 Ion Ratio Lower Upper  
 75 100  
 77 46.6 22.7 42.1#



#46  
 Tetrachloroethene  
 Concen: 20.782 ug/L  
 RT: 8.00 min Scan# 2148  
 Delta R.T. -0.00 min  
 Lab File: VV019169.D  
 Acq: 30 Oct 2020 01:09

Tgt Ion: 164 Resp: 30637  
 Ion Ratio Lower Upper  
 164 100  
 129 89.2 63.2 117.4  
 131 85.1 60.3 112.1  
 166 130.0 88.3 163.9





#59

1,2,3-Trichloropropane

Concen: 5.539 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV019169.D

Acq: 30 Oct 2020 01:09

Instrument :

MSVOA\_V

ClientSampleId :

Tot Ion: 75 Resp: 11332

Ion Ratio Lower Upper

75 100

77 38.2 26.2 39.4

