

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062620\  
 Data File : VV017194.D  
 Acq On : 26 Jun 2020 20:09  
 Operator : SY/MD  
 Sample : L3103-13  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 27 00:27:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jun 27 00:23:55 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 349915   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 332162   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 152859   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 97639    | 39.54    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 79.08% |
| 7) Chloroethane-d5             | 1.58    | 69    | 66585    | 44.94    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 89.88% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 151362   | 36.51    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.02% |
| 21) 2-Butanone-d5              | 3.90    | 46    | 134763   | 73.74    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 73.74% |
| 24) Chloroform-d               | 4.38    | 84    | 222378   | 44.29    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.58% |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 160809   | 47.09    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.18% |
| 32) Benzene-d6                 | 5.08    | 84    | 416633   | 43.51    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.02% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 125127   | 41.92    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 83.84% |
| 41) Toluene-d8                 | 7.34    | 98    | 378952   | 43.13    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.26% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 65016    | 41.82    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.64% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 93625    | 71.95    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 71.95% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 162255   | 41.07    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 82.14% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 154896   | 47.48    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.96% |

## Target Compounds

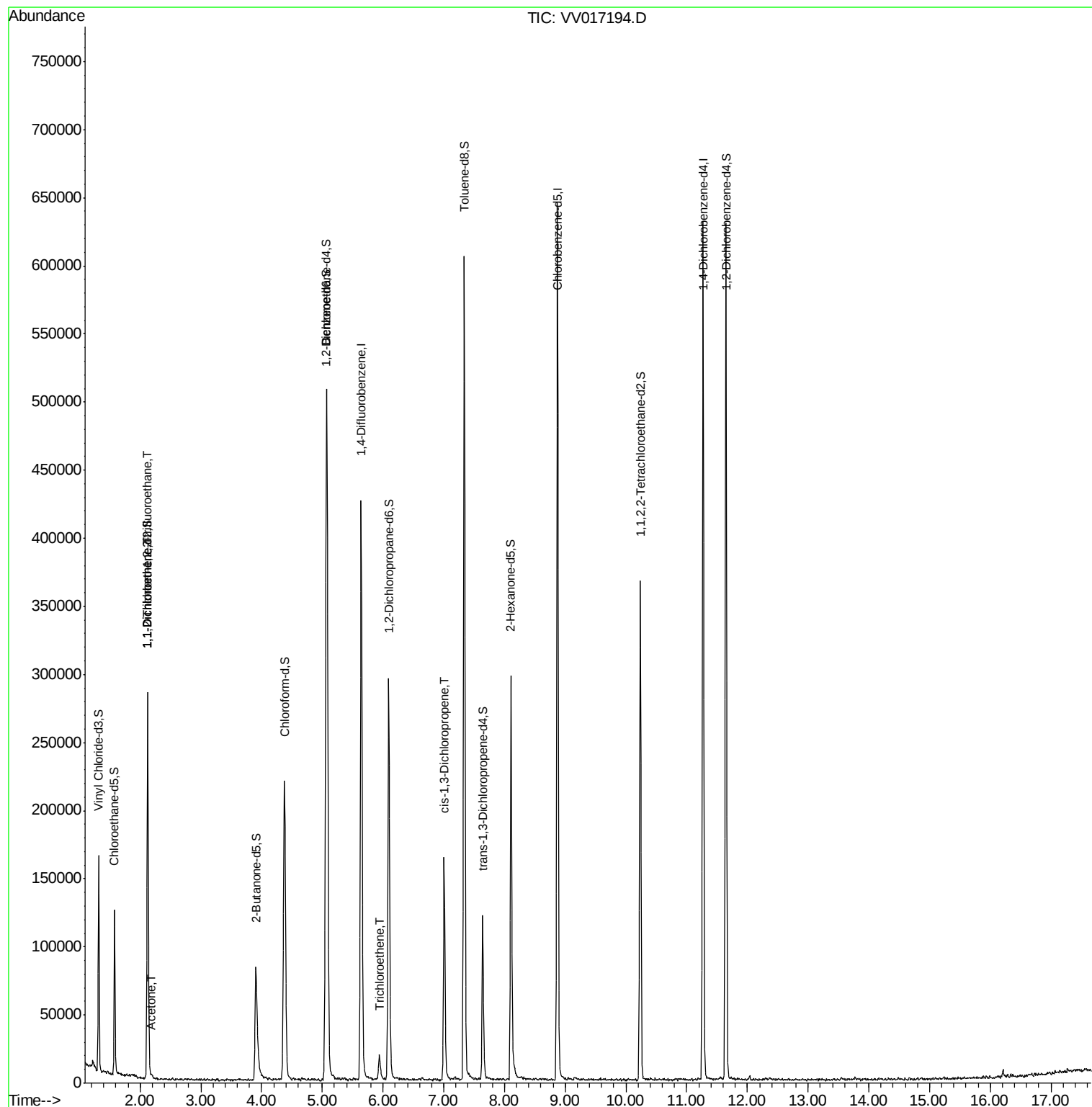
|                                |      |     |      |              | Ovalue |
|--------------------------------|------|-----|------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 1349 | 0.725 ug/L # | 17     |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 1435 | 0.826 ug/L # | 1      |
| 13) Acetone                    | 2.19 | 43  | 2580 | 2.143 ug/L   | 71     |
| 34) Trichloroethene            | 5.94 | 95  | 4140 | 1.571 ug/L   | 87     |
| 39) cis-1,3-Dichloropropene    | 7.01 | 75  | 4774 | 1.203 ug/L   | 86     |

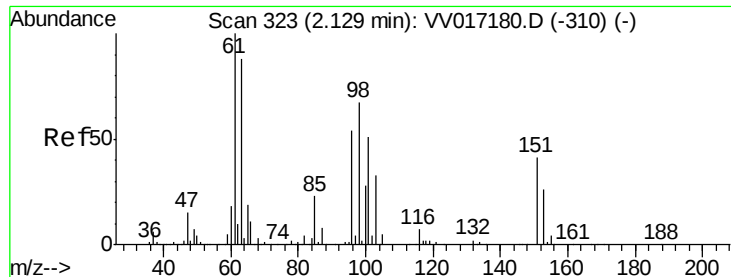
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_V  
ClientSampleId :

Quant Time: Jun 27 00:27:51 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Jun 27 00:23:55 2020  
Response via : Initial Calibration





#10

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

Concen: 0.725 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017194.D

Acq: 26 Jun 2020 20:09

Instrument :

MSVOA\_V

ClientSampleId :

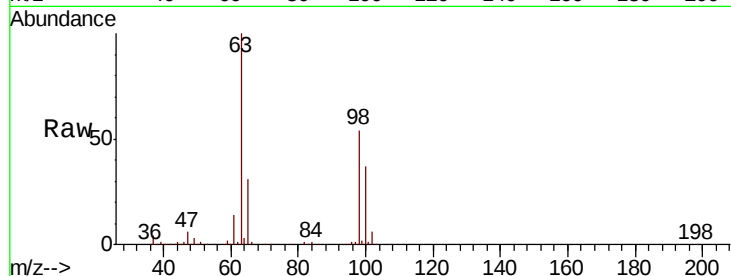
Tot Ion:101 Resp: 1349

Ion Ratio Lower Upper

101 100

85 0.0 35.5 53.3#

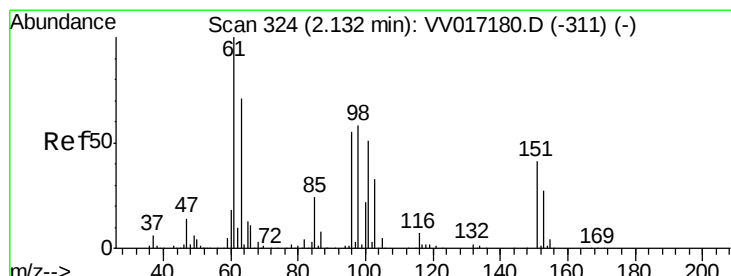
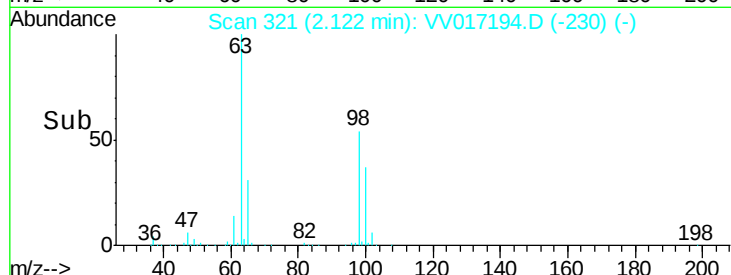
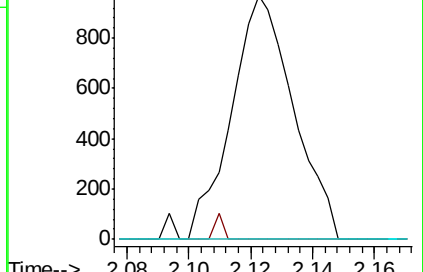
151 0.0 63.9 95.9#



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



#12

1,1-Dichloroethene

Concen: 0.826 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017194.D

Acq: 26 Jun 2020 20:09

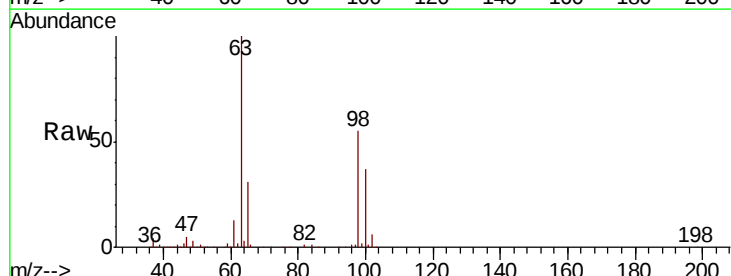
Tgt Ion: 96 Resp: 1435

Ion Ratio Lower Upper

96 100

61 1541.9 130.4 242.2#

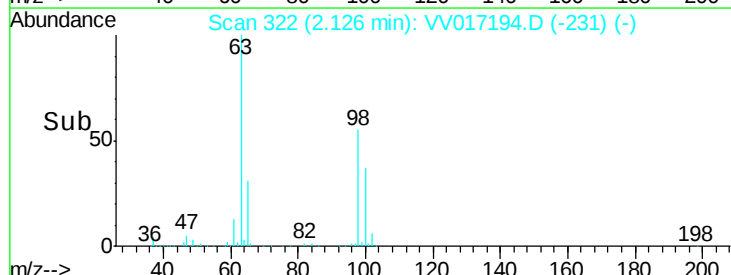
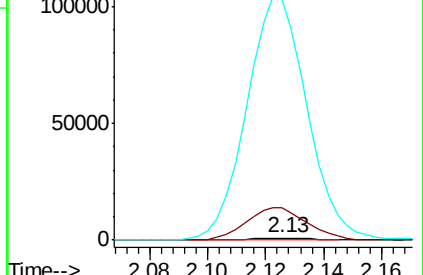
63 11526.3 103.3 191.9#

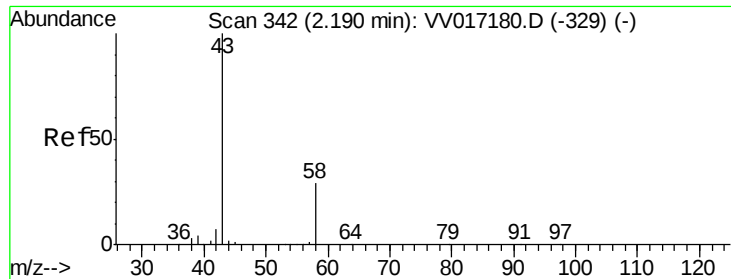


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

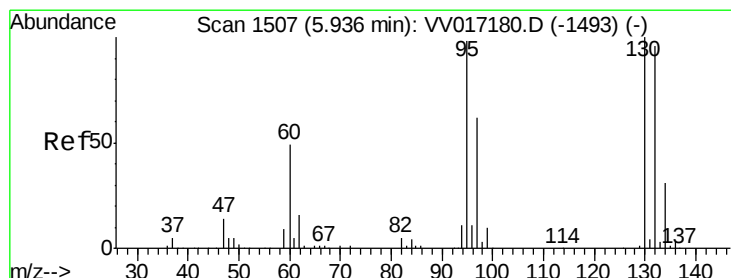
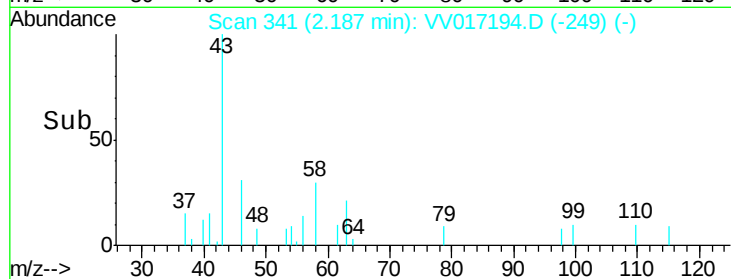
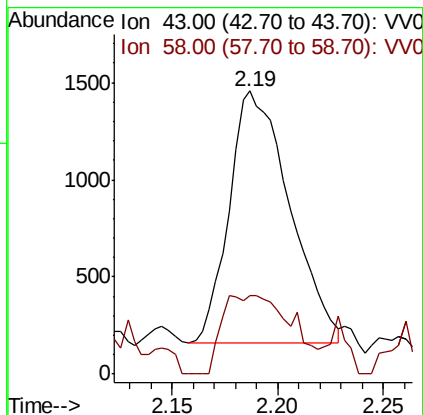
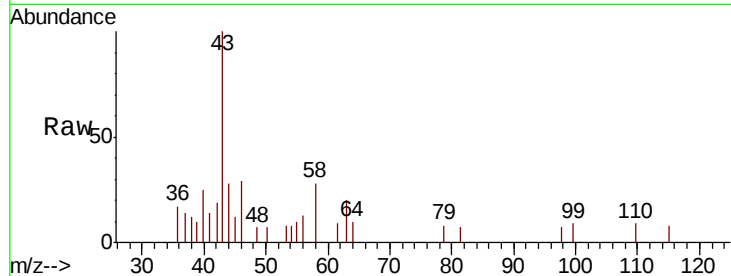




#13  
Acetone  
Concen: 2.143 ug/L  
RT: 2.19 min Scan# 341  
Delta R.T. -0.00 min  
Lab File: VV017194.D  
Acq: 26 Jun 2020 20:09

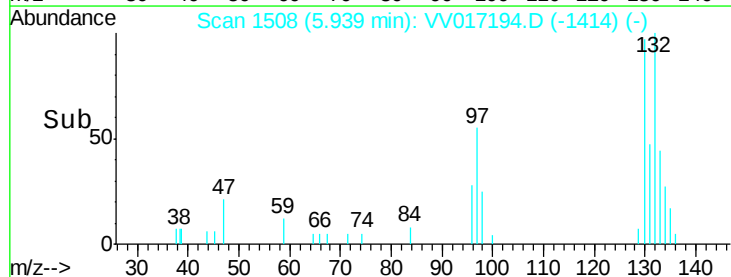
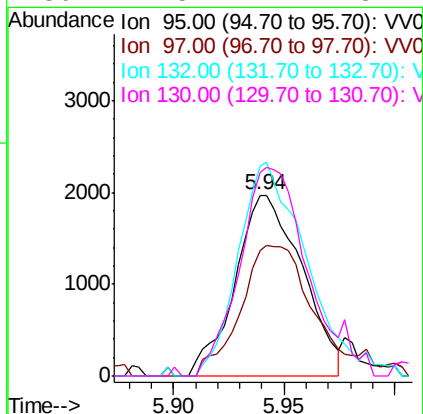
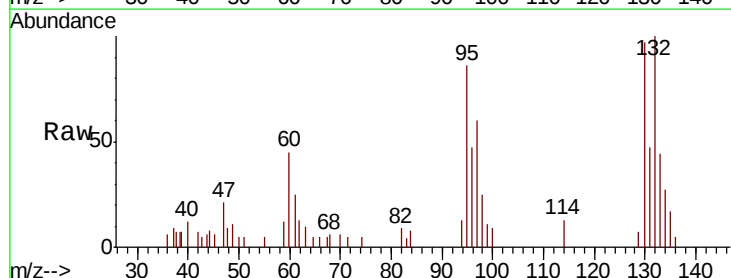
Instrument :  
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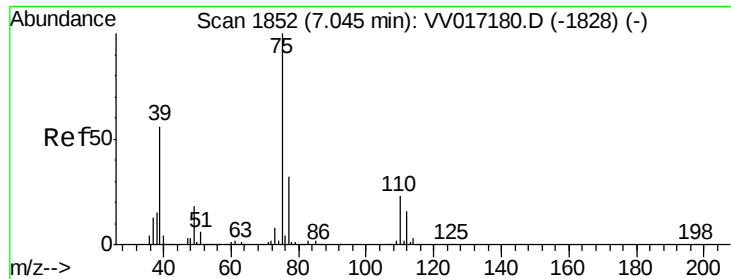
Tot Ion: 43 Resp: 2580  
Ion Ratio Lower Upper  
43 100  
58 12.2 0.0 55.2



#34  
Trichloroethene  
Concen: 1.571 ug/L  
RT: 5.94 min Scan# 1508  
Delta R.T. 0.00 min  
Lab File: VV017194.D  
Acq: 26 Jun 2020 20:09

Tgt Ion: 95 Resp: 4140  
Ion Ratio Lower Upper  
95 100  
97 69.6 44.3 82.3  
132 115.8 67.9 126.1  
130 112.5 72.2 134.2





#39

cis-1,3-Dichloropropene

Concen: 1.203 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV017194.D

Acq: 26 Jun 2020 20:09

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 75 Resp: 4774

Ion Ratio Lower Upper

75 100

77 40.1 22.7 42.1

