

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\  
 Data File : VV016292.D  
 Acq On : 28 May 2020 22:16  
 Operator : SY/MD  
 Sample : L2754-15DL 4X  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAXA1DL

Quant Time: May 29 04:35:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR052620WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri May 29 04:21:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 98630    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 96773    | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 42192    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 27692    | 4.37     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 87.40% |
| 7) Chloroethane-d5             | 1.58   | 69    | 21965    | 3.95     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 79.00% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 38746    | 3.26     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.20% |
| 20) 2-Butanone-d5              | 3.95   | 46    | 71363    | 45.42    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 90.84% |
| 24) Chloroform-d               | 4.38   | 84    | 49548    | 3.93     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 78.60% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 28307    | 4.24     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 84.80% |
| 32) Benzene-d6                 | 5.08   | 84    | 101261   | 4.22     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 84.40% |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 30997    | 4.18     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 83.60% |
| 41) Toluene-d8                 | 7.34   | 98    | 90420    | 3.96     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 79.20% |
| 45) trans-1,3-Dichloropropene- | 7.65   | 79    | 10369    | 3.75     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 75.00% |
| 48) 2-Hexanone-d5              | 8.12   | 63    | 52714    | 41.58    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 83.16% |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 21709    | 3.96     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 79.20% |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 31940    | 4.53     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 90.60% |

## Target Compounds

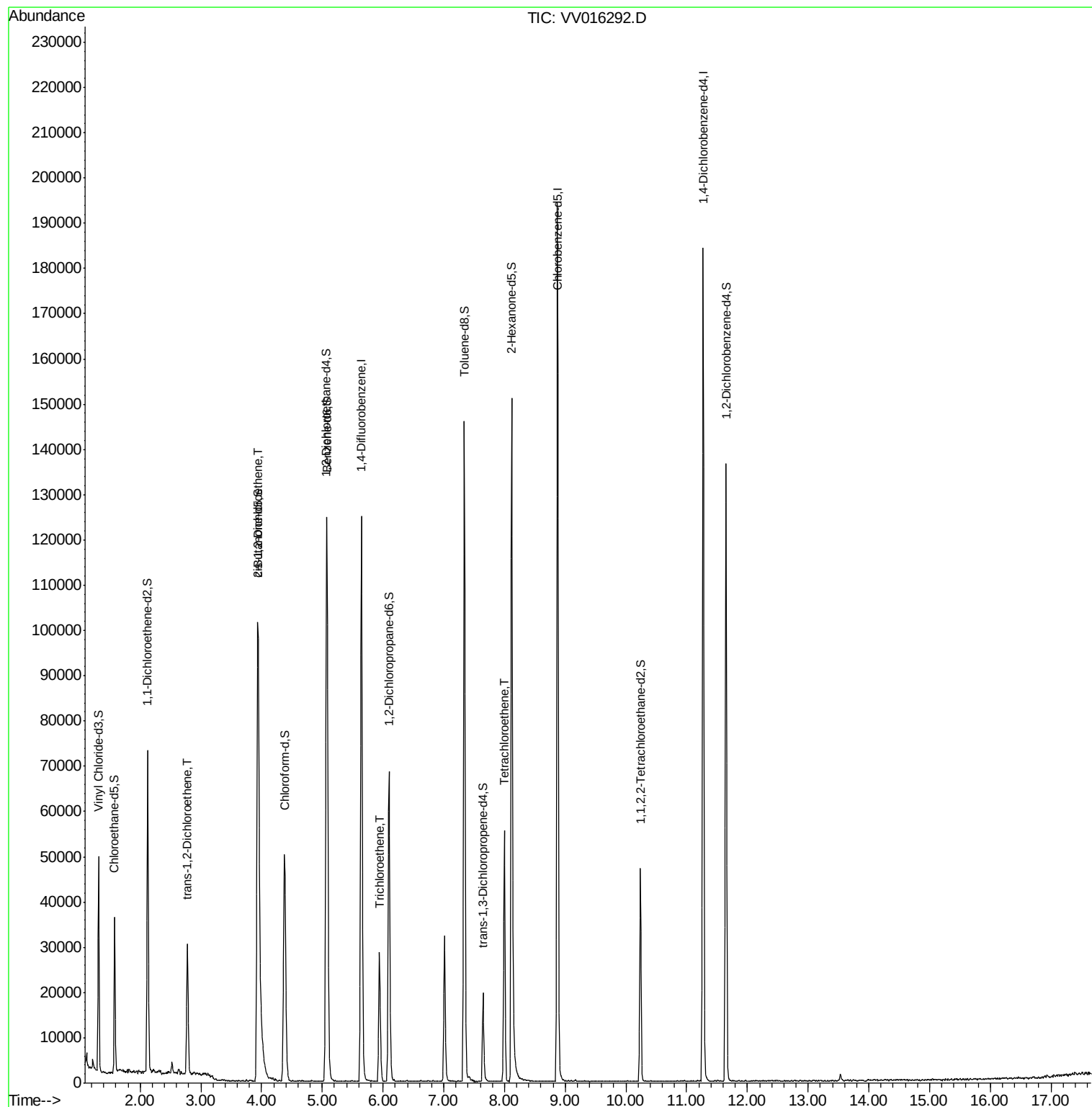
|                              |      |     |       |            | Ovalue |
|------------------------------|------|-----|-------|------------|--------|
| 18) trans-1,2-Dichloroethene | 2.78 | 96  | 9796  | 1.539 ug/L | 90     |
| 22) cis-1,2-Dichloroethene   | 3.94 | 96  | 39895 | 5.299 ug/L | 97     |
| 34) Trichloroethene          | 5.94 | 95  | 10101 | 1.392 ug/L | 98     |
| 49) Tetrachloroethene        | 8.00 | 164 | 11068 | 2.125 ug/L | 98     |

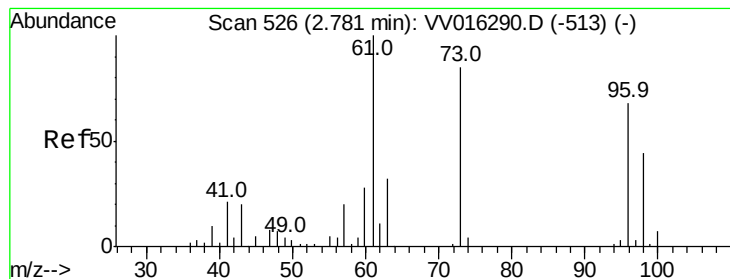
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 29 04:21:25 2020  
Response via : Initial Calibration





#18

trans-1,2-Dichloroethene

Concen: 1.539 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV016292.D

Acq: 28 May 2020 22:16

Instrument :

MSVOA\_V

ClientSampled :

GAXA1DL

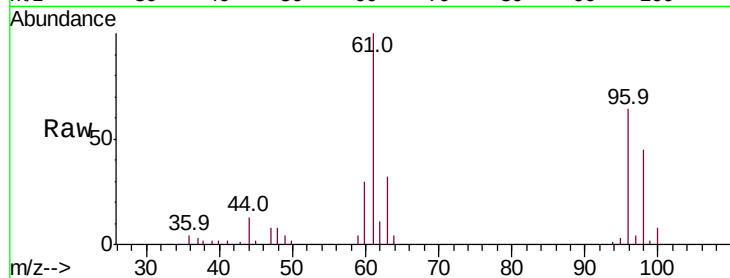
Tot Ion: 96 Resp: 9796

Ion Ratio Lower Upper

96 100

61 155.7 99.8 185.4

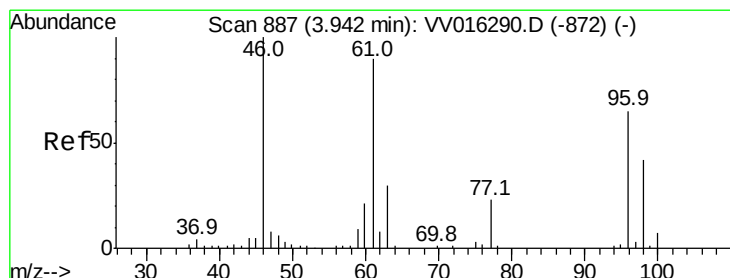
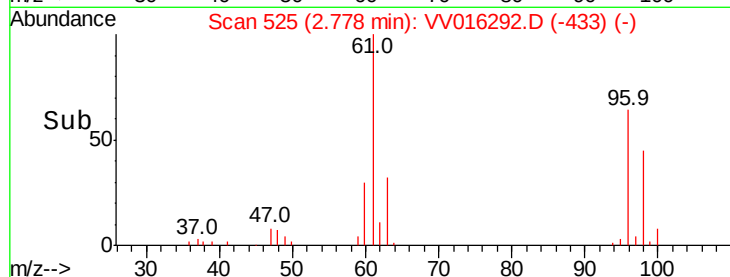
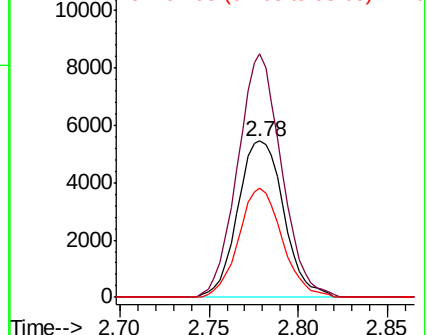
98 69.6 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#22

cis-1,2-Dichloroethene

Concen: 5.299 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV016292.D

Acq: 28 May 2020 22:16

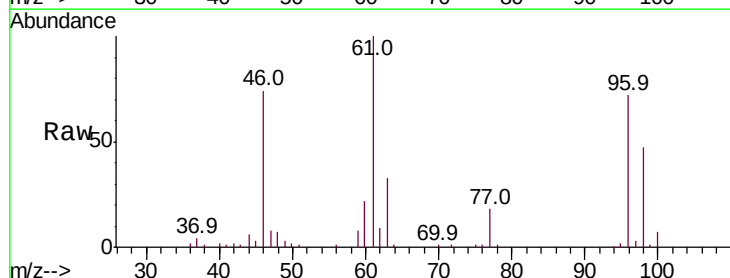
Tgt Ion: 96 Resp: 39895

Ion Ratio Lower Upper

96 100

61 138.2 99.7 185.1

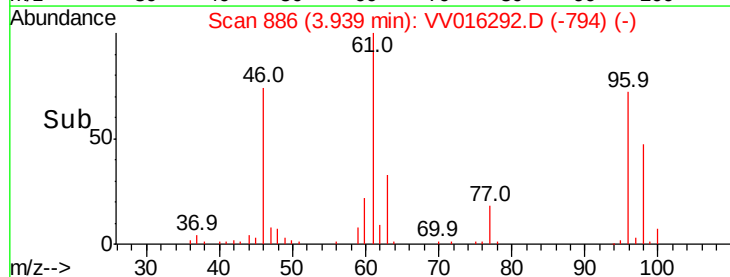
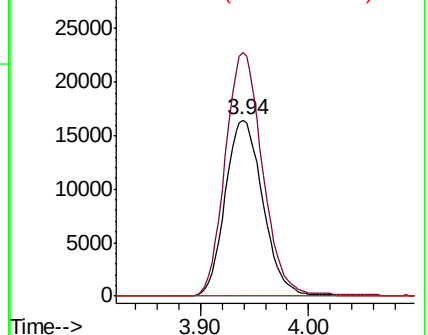
68 0.0 0.0 0.0

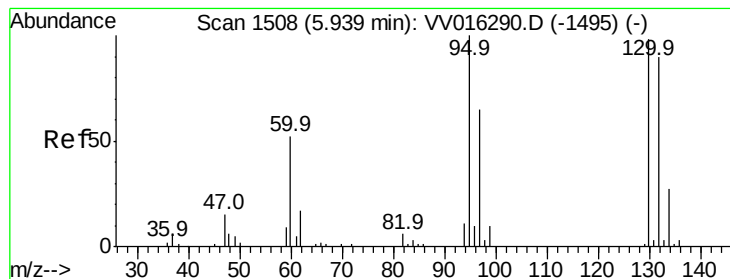


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#34

Trichloroethene

Concen: 1.392 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016292.D

Acq: 28 May 2020 22:16

Instrument :

MSVOA\_V

ClientSampleId :

GAXA1DL

Tot Ion: 95 Resp: 10101

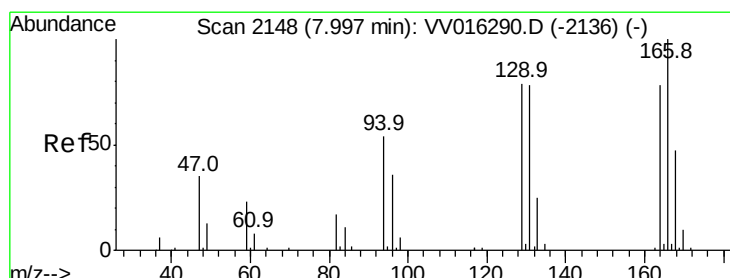
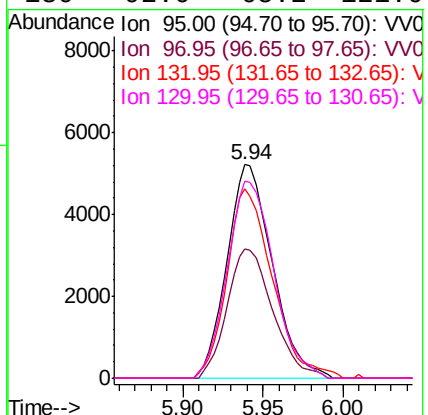
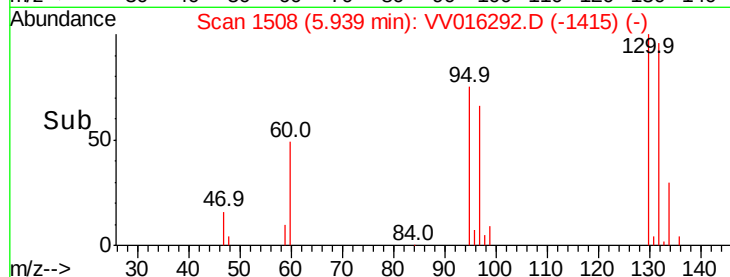
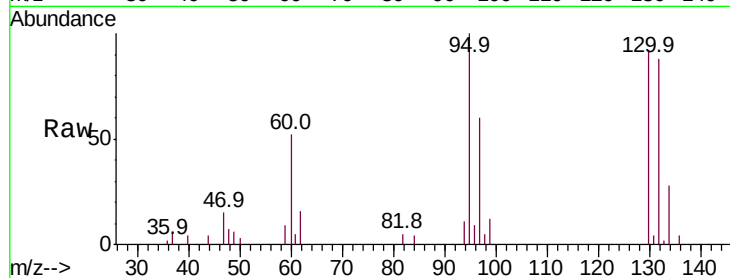
Ion Ratio Lower Upper

95 100

97 60.5 43.6 81.0

132 88.5 63.9 118.7

130 92.0 65.2 121.0



#49

Tetrachloroethene

Concen: 2.125 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016292.D

Acq: 28 May 2020 22:16

Tgt Ion: 164 Resp: 11068

Ion Ratio Lower Upper

164 100

129 106.9 70.7 131.3

131 94.0 66.6 123.8

166 124.3 86.9 161.5

