

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042720\  
 Data File : VV015728.D  
 Acq On : 27 Apr 2020 14:49  
 Operator : SY/MD  
 Sample : L2370-15DL 10X  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETKN1DL

Quant Time: Apr 28 04:50:12 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Apr 28 02:16:08 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 130486   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 127170   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 59777    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 26402    | 3.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 77.40%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 28655    | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 87.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 44837    | 3.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 60.00%  |
| 20) 2-Butanone-d5              | 3.91   | 46    | 113300   | 51.75    | ug/L | -0.03   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 103.50% |
| 24) Chloroform-d               | 4.38   | 84    | 75114    | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 45207    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.60% |
| 32) Benzene-d6                 | 5.08   | 84    | 141476   | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 47083    | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.00%  |
| 41) Toluene-d8                 | 7.34   | 98    | 127861   | 4.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.60%  |
| 43) trans-1,3-Dichloropropene- | 7.64   | 79    | 14707    | 3.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 78.40%  |
| 46) 2-Hexanone-d5              | 8.11   | 63    | 82177    | 44.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 89.86%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 34147    | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 51140    | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.60% |

## Target Compounds

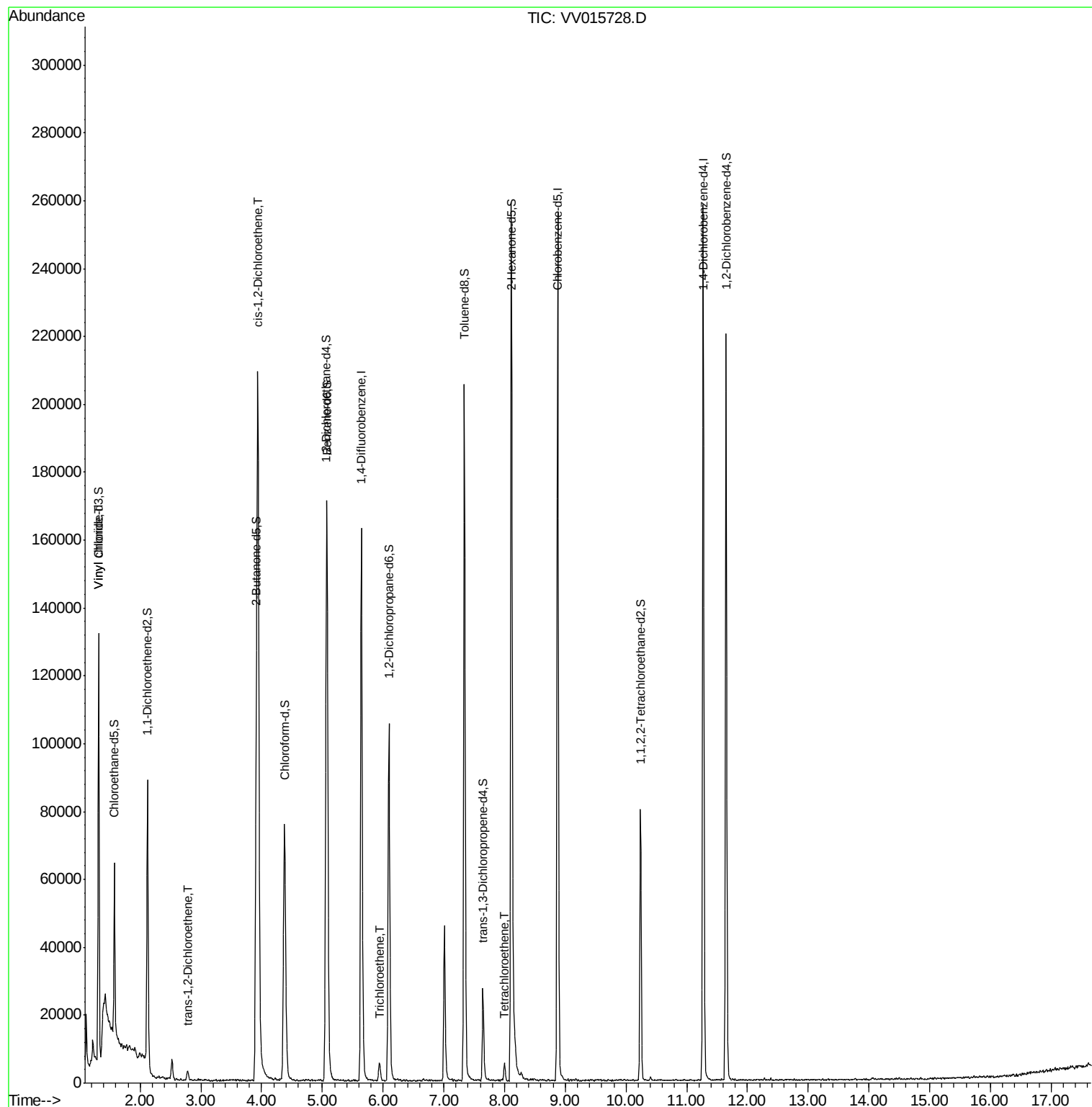
|                              |      |     |       |        | Ovalue  |
|------------------------------|------|-----|-------|--------|---------|
| 5) Vinyl chloride            | 1.32 | 62  | 51179 | 4.956  | ug/L 98 |
| 18) trans-1,2-Dichloroethene | 2.78 | 96  | 957   | 0.113  | ug/L 94 |
| 22) cis-1,2-Dichloroethene   | 3.94 | 96  | 95730 | 10.182 | ug/L 95 |
| 34) Trichloroethene          | 5.94 | 95  | 1486  | 0.148  | ug/L 87 |
| 47) Tetrachloroethene        | 8.00 | 164 | 943   | 0.131  | ug/L 83 |

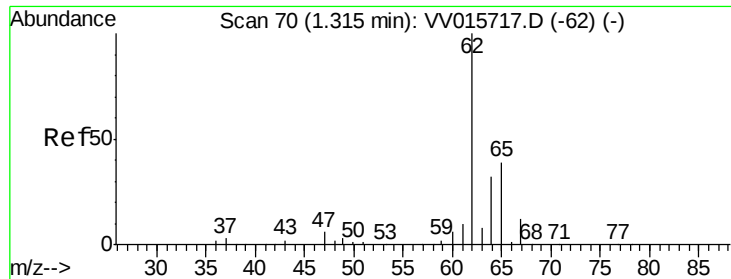
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.956 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015728.D

Acq: 27 Apr 2020 14:49

Instrument :

MSVOA\_V

ClientSampled :

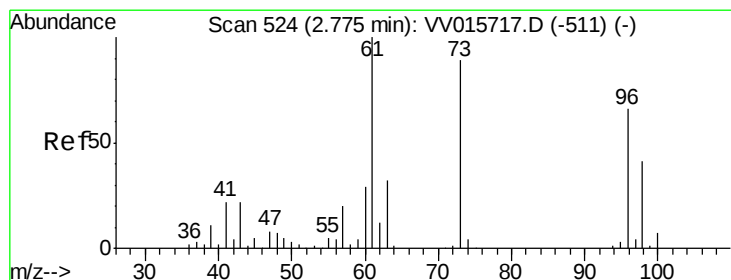
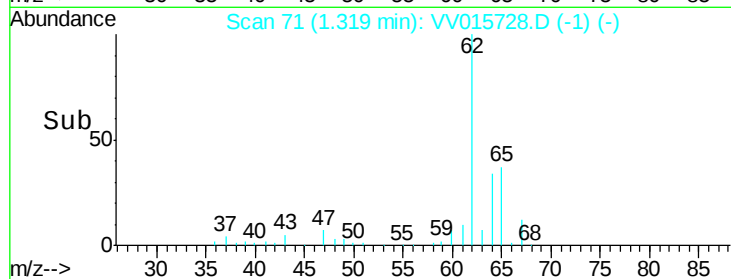
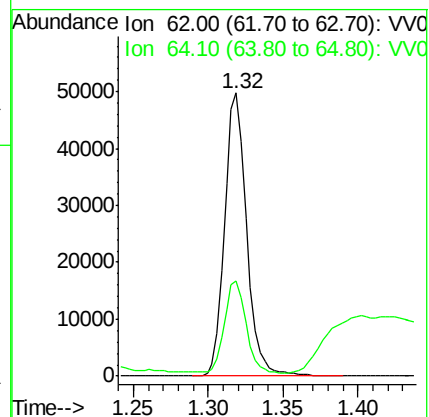
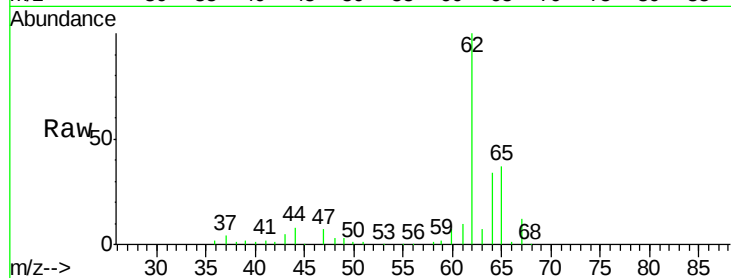
ETKN1DL

Tot Ion: 62 Resp: 51179

Ion Ratio Lower Upper

62 100

64 33.8 22.7 42.1



#18

trans-1,2-Dichloroethene

Concen: 0.113 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV015728.D

Acq: 27 Apr 2020 14:49

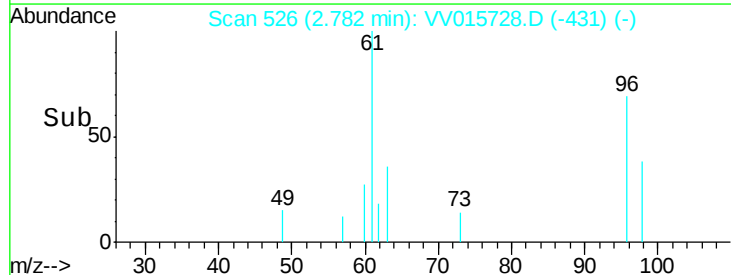
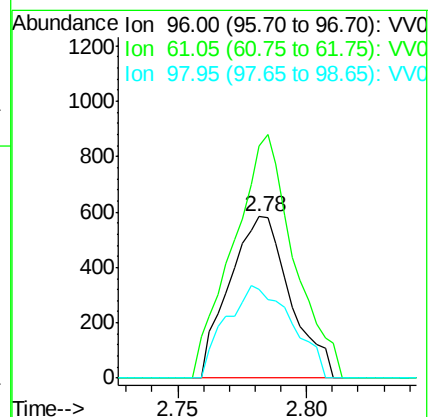
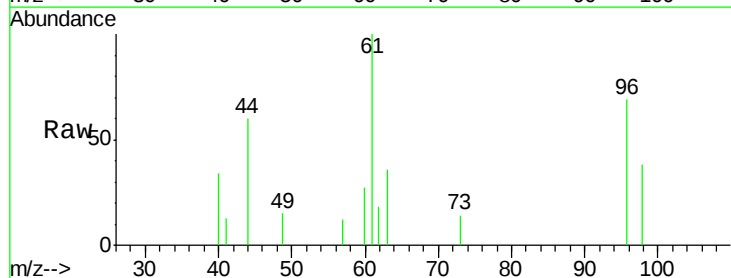
Tgt Ion: 96 Resp: 957

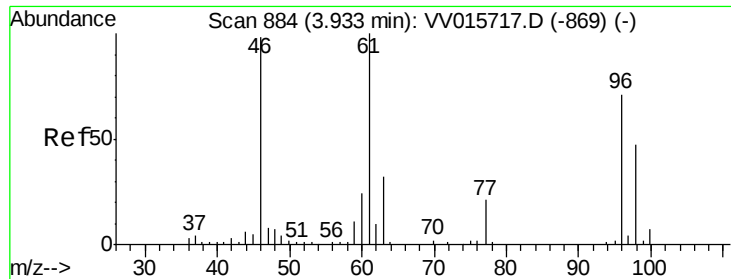
Ion Ratio Lower Upper

96 100

61 144.3 105.5 195.9

98 55.5 44.2 82.0



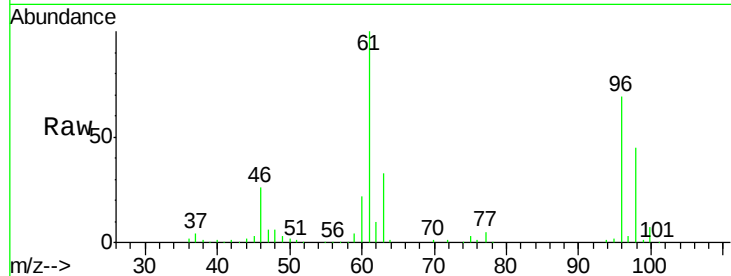


#22

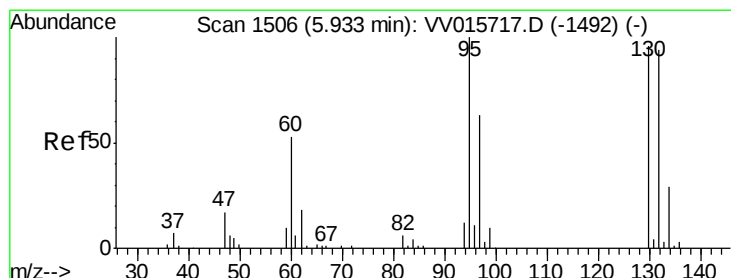
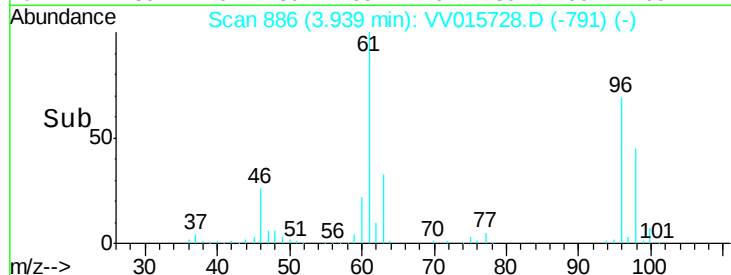
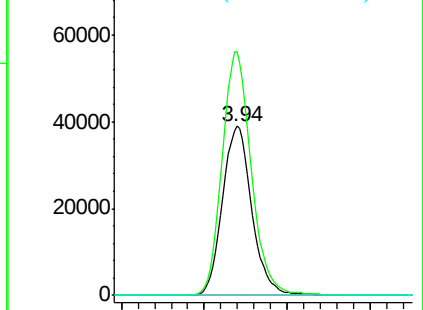
cis-1,2-Dichloroethene  
Concen: 10.182 ug/L  
RT: 3.94 min Scan# 886  
Delta R.T. 0.01 min  
Lab File: VV015728.D  
Acq: 27 Apr 2020 14:49

Instrument :  
MSVOA\_V  
ClientSampleId :  
ETKN1DL

Tot Ion: 96 Resp: 95730  
Ion Ratio Lower Upper  
96 100  
61 144.3 96.4 179.0  
68 0.0 0.0 0.0



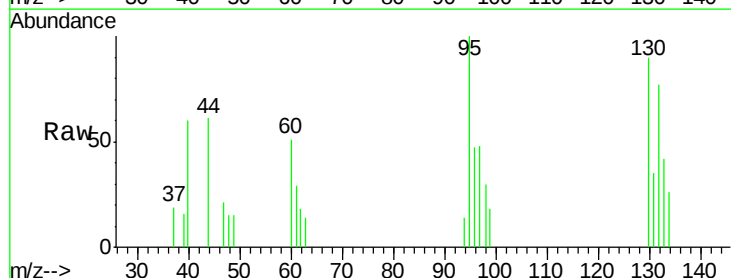
Abundance Ion 96.00 (95.70 to 96.70): VV0  
Ion 61.05 (60.75 to 61.75): VV0  
Ion 68.15 (67.85 to 68.85): VV0



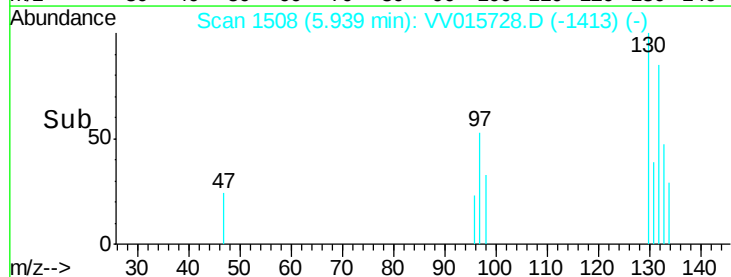
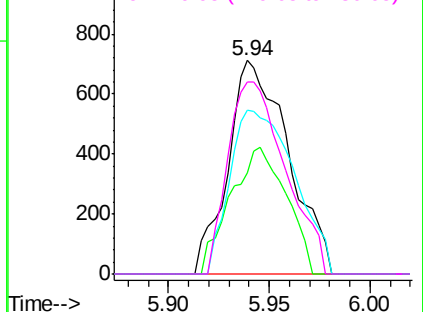
#34

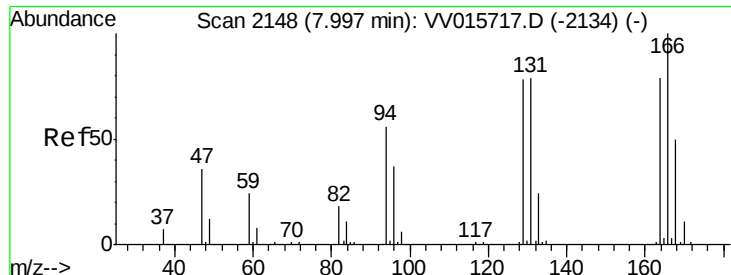
Trichloroethene  
Concen: 0.148 ug/L  
RT: 5.94 min Scan# 1508  
Delta R.T. 0.01 min  
Lab File: VV015728.D  
Acq: 27 Apr 2020 14:49

Tgt Ion: 95 Resp: 1486  
Ion Ratio Lower Upper  
95 100  
97 47.6 44.7 82.9  
132 76.7 65.2 121.0  
130 89.7 65.0 120.6



Abundance Ion 95.00 (94.70 to 95.70): VV0  
Ion 96.95 (96.65 to 97.65): VV0  
Ion 131.95 (131.65 to 132.65): VV0  
Ion 129.95 (129.65 to 130.65): VV0





#47

Tetrachloroethene

Concen: 0.131 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV015728.D

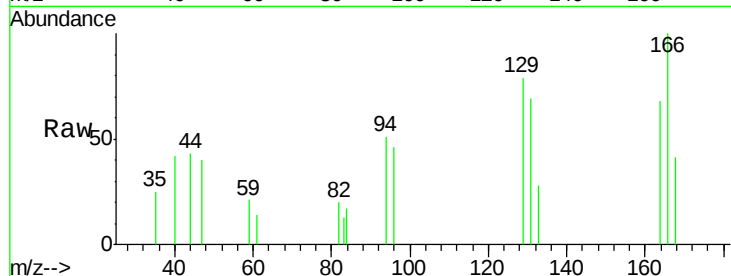
Acq: 27 Apr 2020 14:49

Instrument :

MSVOA\_V

ClientSampleId :

ETKN1DL



Tot Ion:164 Resp: 943

Ion Ratio Lower Upper

164 100

129 115.1 66.7 123.9

131 101.6 66.6 123.6

166 146.6 85.3 158.5

Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

