

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071020\  
 Data File : VV017449.D  
 Acq On : 10 Jul 2020 18:49  
 Operator : SY/MD  
 Sample : L3270-07  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 11 00:27:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM070820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 11 00:23:19 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 268881   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 252769   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 121955   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 53443    | 38.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 76.36%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 43596    | 44.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 88.68%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 97700    | 30.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 61.66%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 85806    | 89.75    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 89.75%  |
| 24) Chloroform-d               | 4.38    | 84    | 146090   | 45.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.24%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 107999   | 48.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.20%  |
| 32) Benzene-d6                 | 5.08    | 84    | 253443   | 46.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.84%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 74849    | 47.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.20%  |
| 41) Toluene-d8                 | 7.34    | 98    | 238342   | 45.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.80%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 42139    | 46.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.08%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 59147    | 91.66    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 91.66%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 98784    | 44.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.48%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 104124   | 51.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.12% |

## Target Compounds

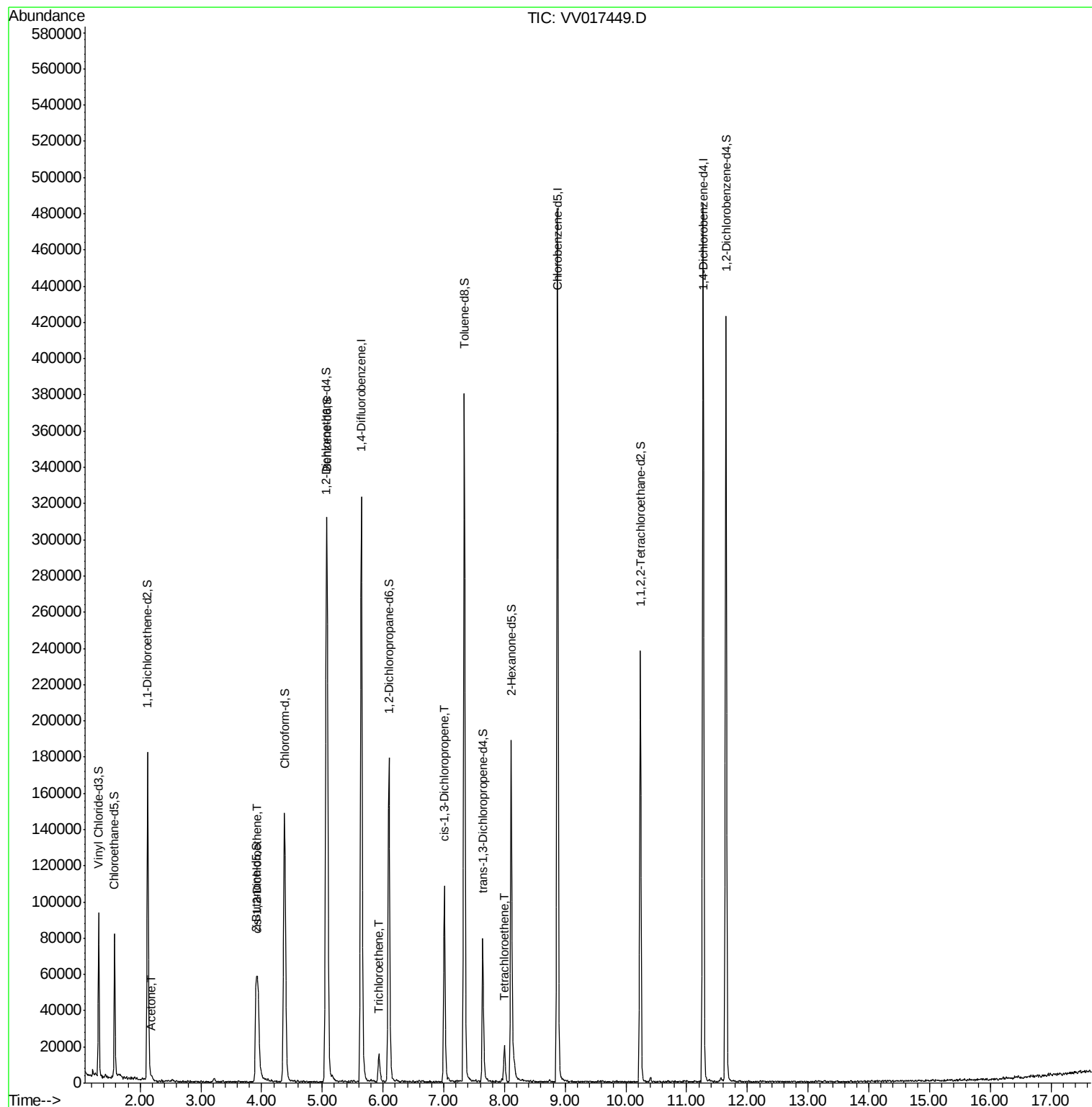
|                             |      |     |       |              | Ovalue |
|-----------------------------|------|-----|-------|--------------|--------|
| 13) Acetone                 | 2.19 | 43  | 2887  | 2.218 ug/L   | 92     |
| 20) cis-1,2-Dichloroethene  | 3.94 | 96  | 18975 | 10.084 ug/L  | 97     |
| 34) Trichloroethene         | 5.95 | 95  | 1428  | 0.720 ug/L   | 97     |
| 39) cis-1,3-Dichloropropene | 7.01 | 75  | 2638  | 0.947 ug/L # | 70     |
| 46) Tetrachloroethene       | 8.00 | 164 | 4627  | 2.778 ug/L   | 94     |

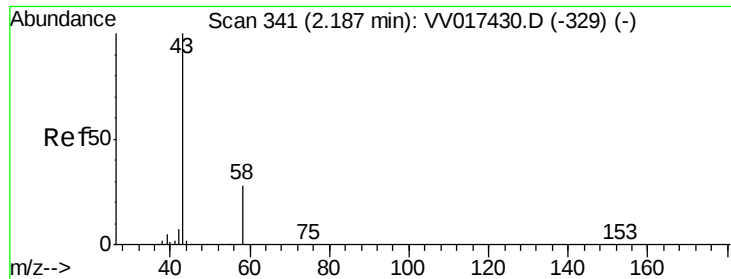
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_V  
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM070820WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Jul 11 00:23:19 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 2.218 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV017449.D

Acq: 10 Jul 2020 18:49

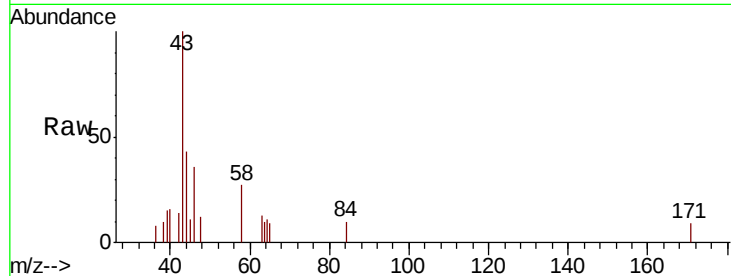
Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 43 Resp: 2887

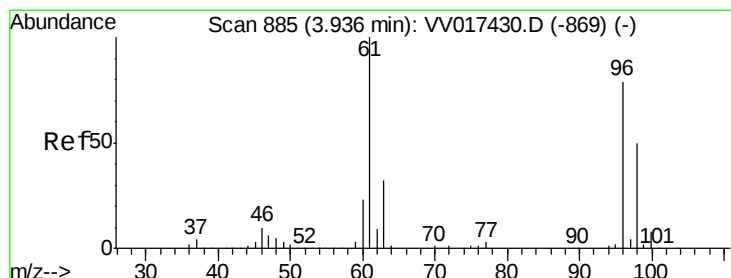
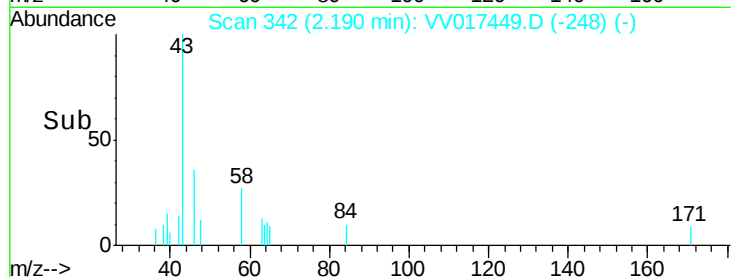
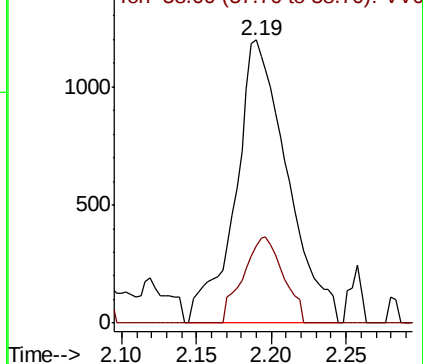
Ion Ratio Lower Upper

43 100

58 23.6 0.0 56.0



Abundance Ion 43.00 (42.70 to 43.70): VV0  
Ion 58.00 (57.70 to 58.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 10.084 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV017449.D

Acq: 10 Jul 2020 18:49

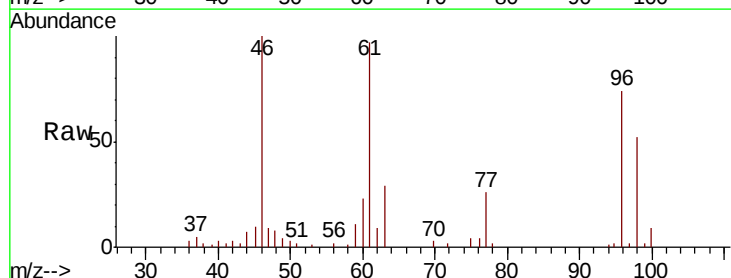
Tgt Ion: 96 Resp: 18975

Ion Ratio Lower Upper

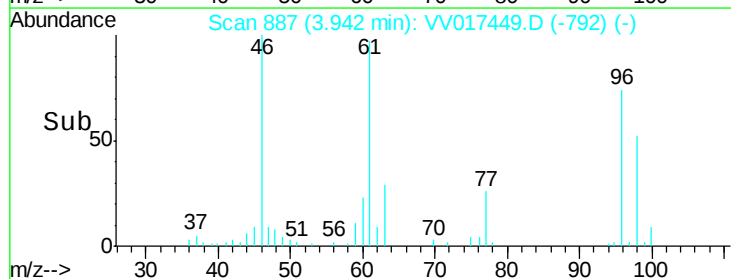
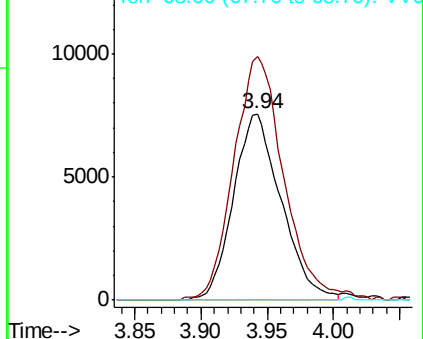
96 100

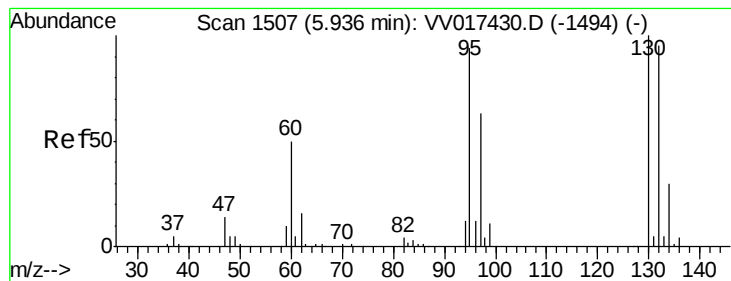
61 130.7 88.9 165.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0  
Ion 61.00 (60.70 to 61.70): VV0  
Ion 68.00 (67.70 to 68.70): VV0





#34

Trichloroethene

Concen: 0.720 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV017449.D

Acq: 10 Jul 2020 18:49

Instrument :

MSVOA\_V

ClientSampled :

Tot Ion: 95 Resp: 1428

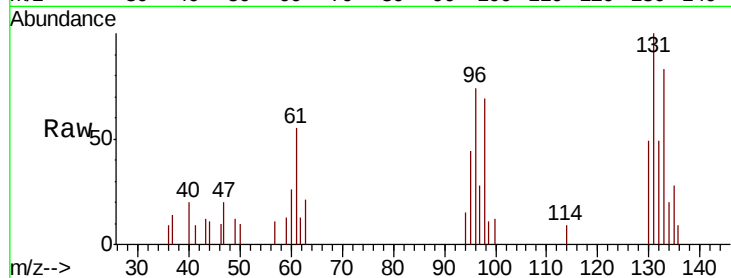
Ion Ratio Lower Upper

95 100

97 64.2 45.6 84.6

132 110.3 74.1 137.5

130 110.6 75.5 140.3

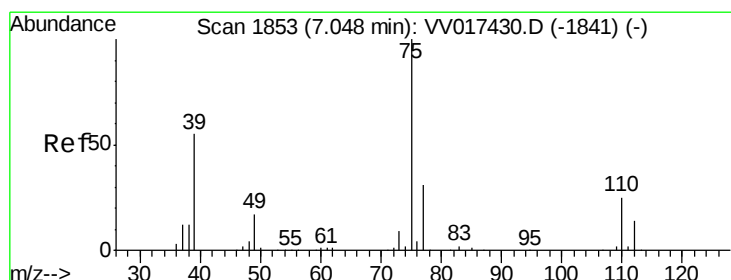
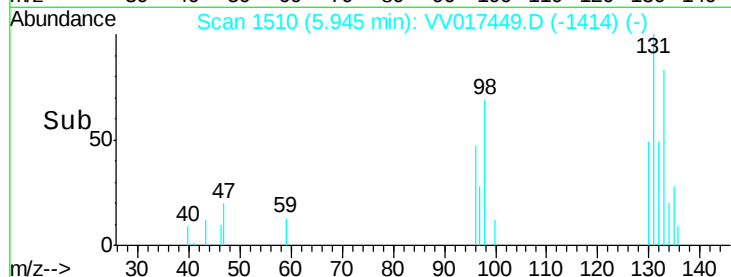
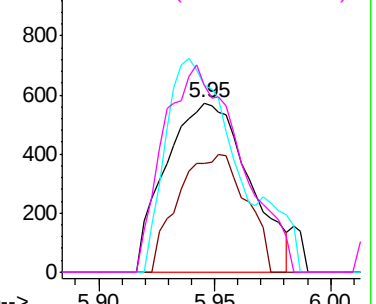


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 0.947 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV017449.D

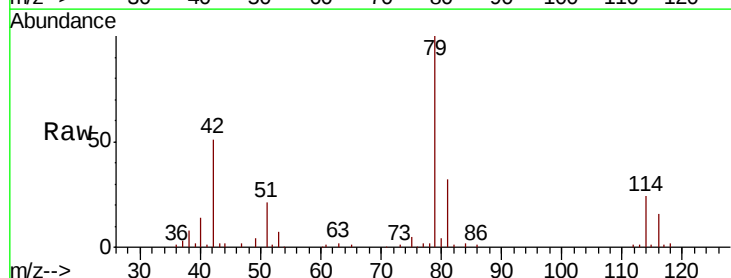
Acq: 10 Jul 2020 18:49

Tgt Ion: 75 Resp: 2638

Ion Ratio Lower Upper

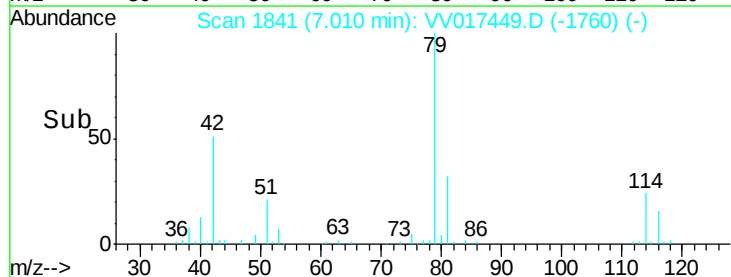
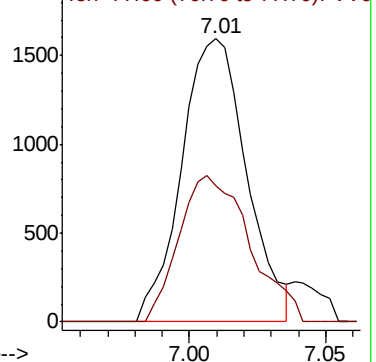
75 100

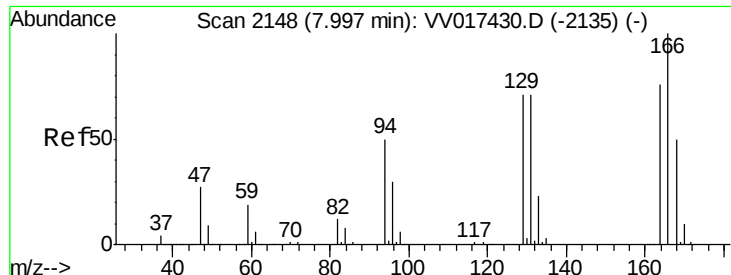
77 48.2 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#46

Tetrachloroethene

Concen: 2.778 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV017449.D

Acq: 10 Jul 2020 18:49

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion:164 Resp: 4627

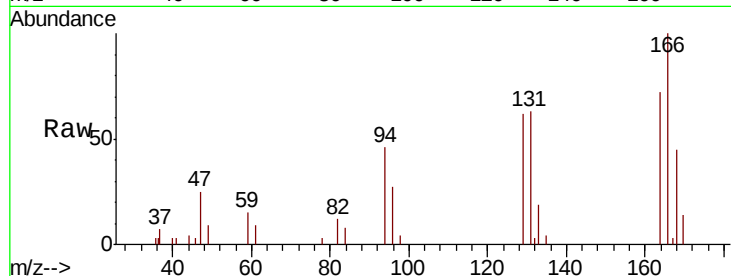
Ion Ratio Lower Upper

164 100

129 86.7 66.6 123.8

131 87.2 65.5 121.7

166 138.9 93.9 174.5



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

