

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100820\  
 Data File : VV018768.D  
 Acq On : 08 Oct 2020 16:23  
 Operator : SY/MD  
 Sample : L4289-01  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AG8

Quant Time: Oct 09 07:55:17 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM092920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Oct 09 07:09:39 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 333620   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 324117   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 150885   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 78925    | 40.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 80.68%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 77863    | 48.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 96.26%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 138947   | 34.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.70%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 160176   | 109.75   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 109.75% |
| 24) Chloroform-d               | 4.37    | 84    | 199924   | 47.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.50%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 144021   | 53.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 107.24% |
| 32) Benzene-d6                 | 5.07    | 84    | 400989   | 48.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.68%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 118971   | 47.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.92%  |
| 41) Toluene-d8                 | 7.34    | 98    | 310954   | 40.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 80.52%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 49829    | 37.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.38%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 70856    | 75.20    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 75.20%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 141241   | 42.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 85.90%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 131019   | 45.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.30%  |

## Target Compounds

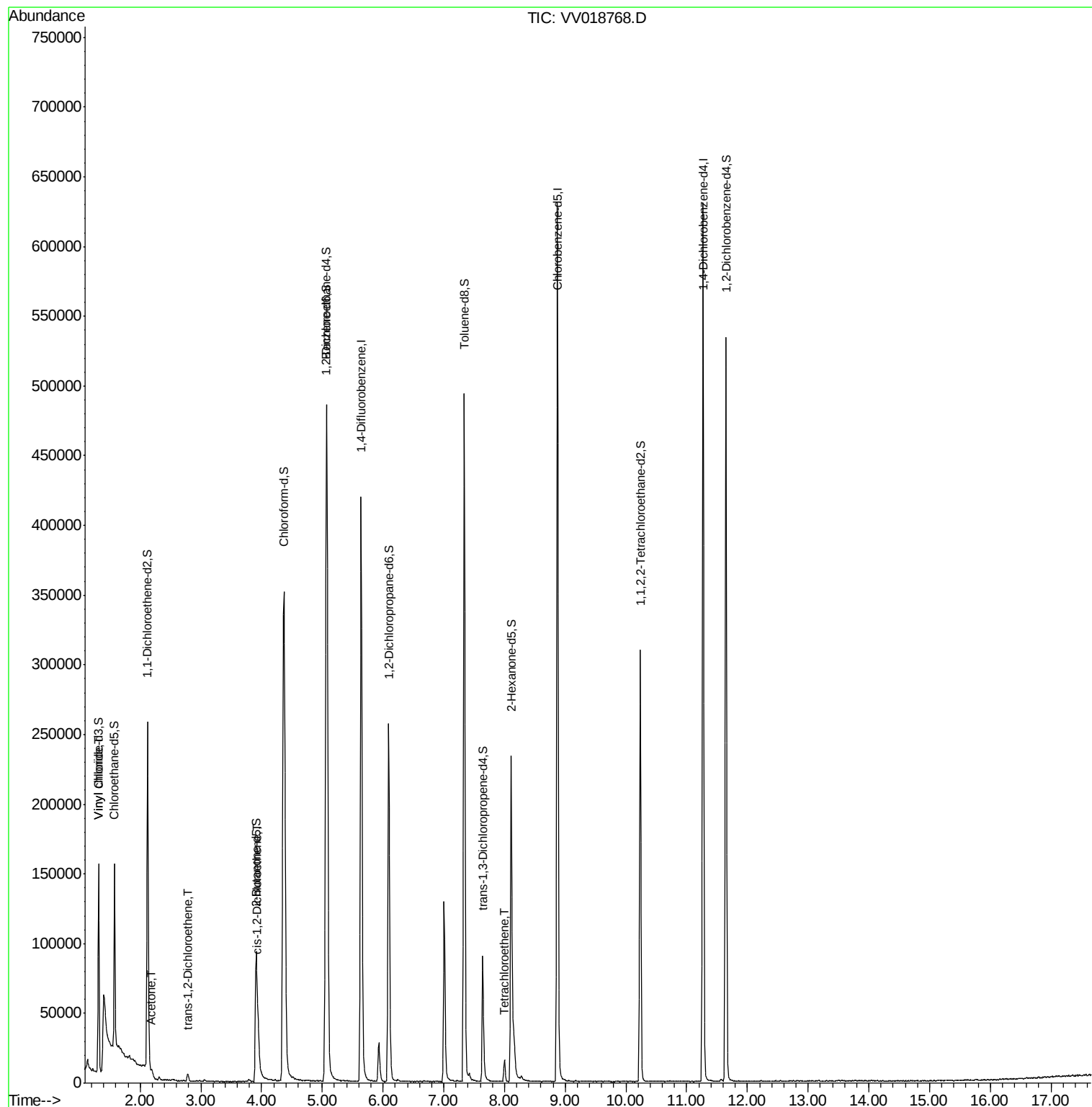
|                              |      |     |       |            | Ovalue |
|------------------------------|------|-----|-------|------------|--------|
| 5) Vinyl chloride            | 1.32 | 62  | 12818 | 5.023 ug/L | 89     |
| 13) Acetone                  | 2.19 | 43  | 8537  | 6.770 ug/L | 99     |
| 17) trans-1,2-Dichloroethene | 2.78 | 96  | 1729  | 0.726 ug/L | 98     |
| 20) cis-1,2-Dichloroethene   | 3.94 | 96  | 9471  | 3.740 ug/L | 91     |
| 46) Tetrachloroethene        | 8.00 | 164 | 3546  | 1.581 ug/L | 95     |

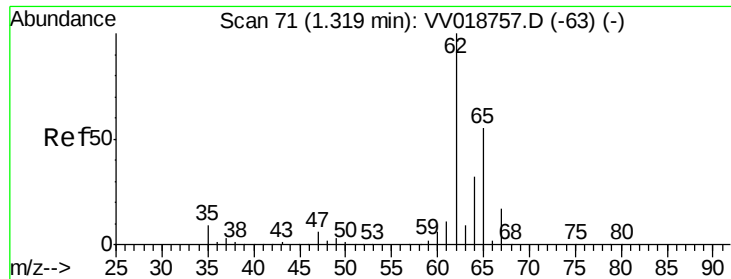
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Oct 09 07:09:39 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.023 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV018768.D

Acq: 08 Oct 2020 16:23

Instrument :

MSVOA\_V

ClientSampled :

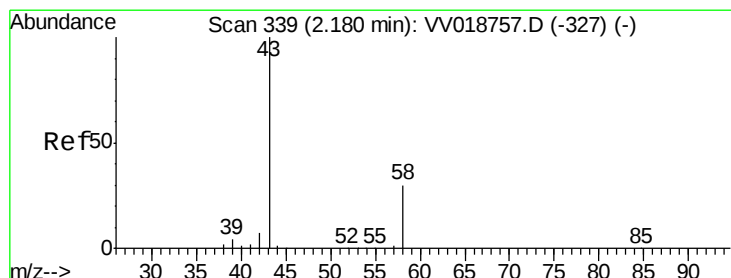
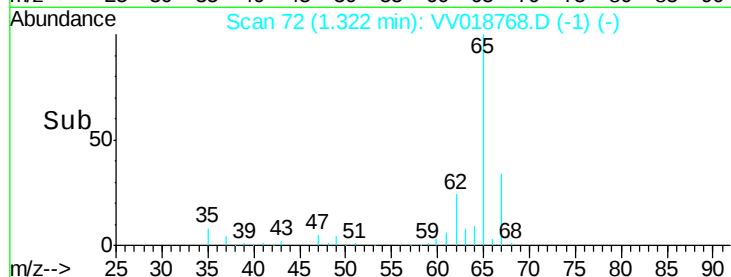
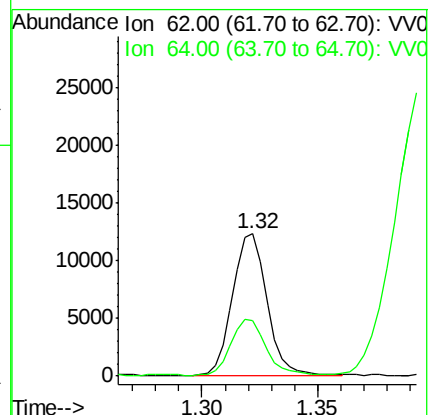
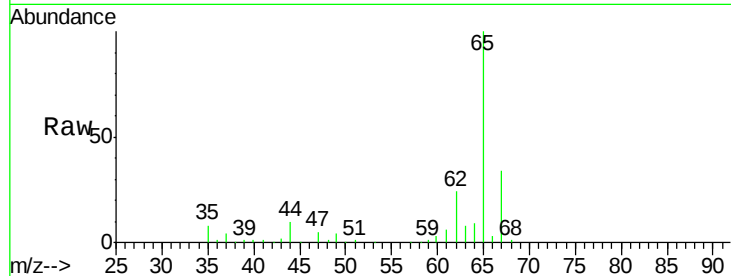
C0AG8

Tot Ion: 62 Resp: 12818

Ion Ratio Lower Upper

62 100

64 38.8 22.9 42.5



#13

Acetone

Concen: 6.770 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV018768.D

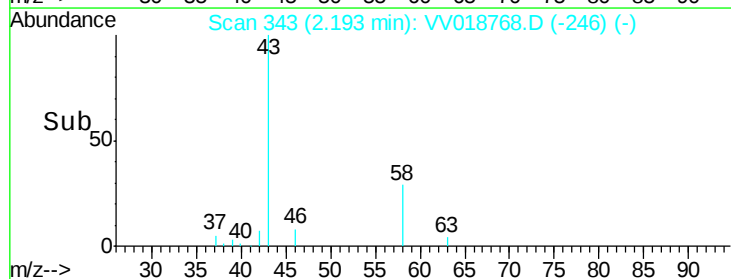
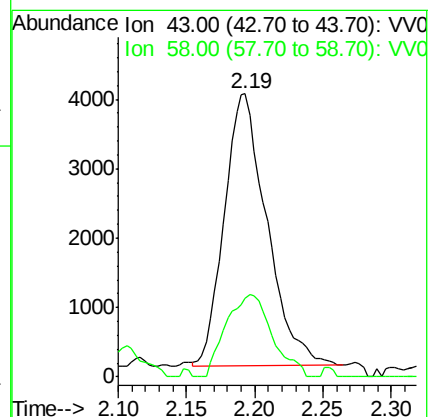
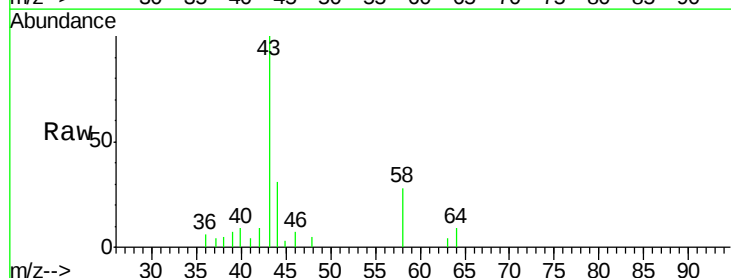
Acq: 08 Oct 2020 16:23

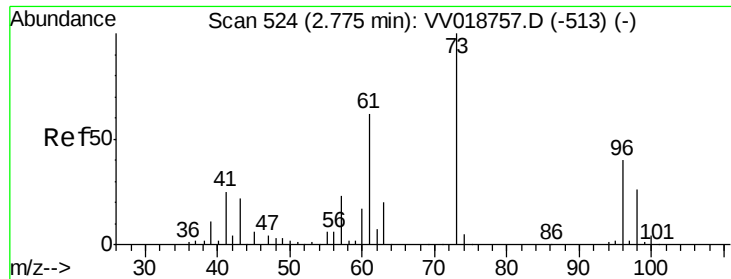
Tgt Ion: 43 Resp: 8537

Ion Ratio Lower Upper

43 100

58 32.5 0.0 64.0

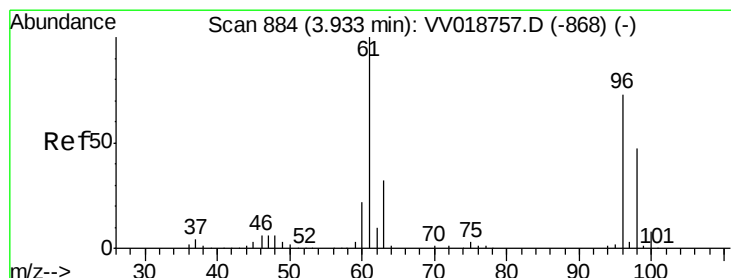
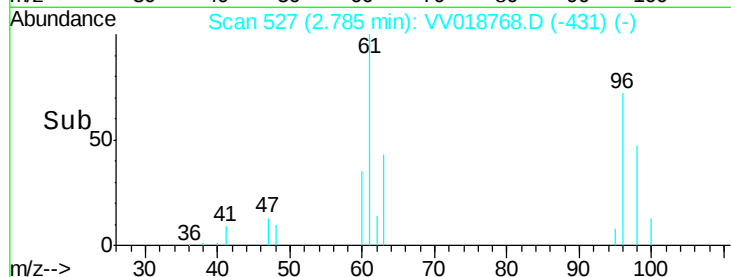
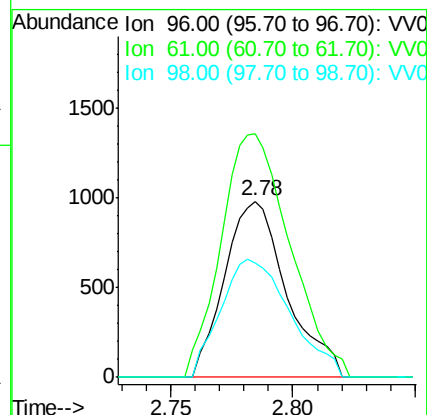
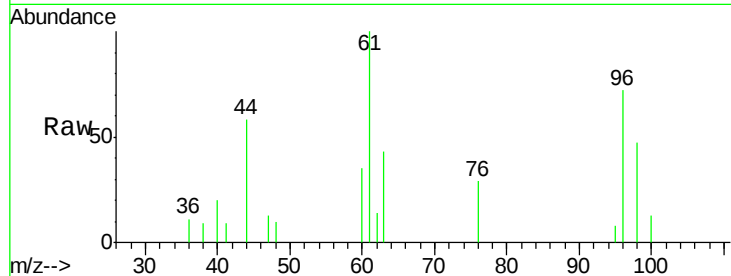




#17  
trans-1,2-Dichloroethene  
Concen: 0.726 ug/L  
RT: 2.78 min Scan# 527  
Delta R.T. 0.01 min  
Lab File: VV018768.D  
Acq: 08 Oct 2020 16:23

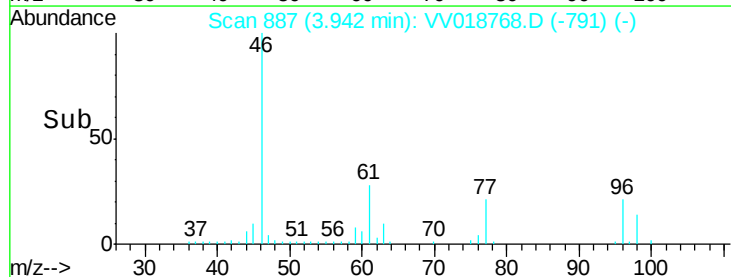
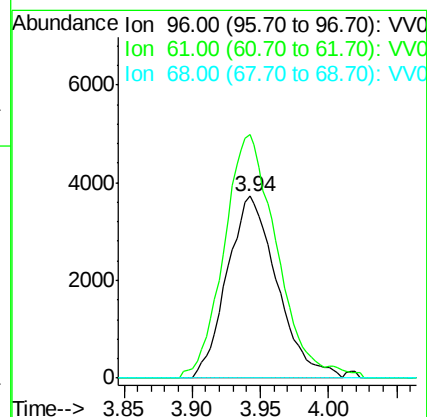
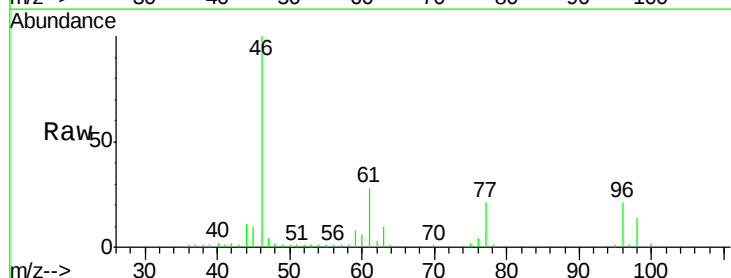
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MSVOA\_V  
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C0AG8

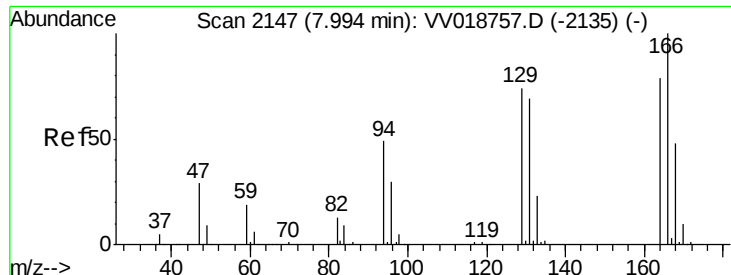
Tot Ion: 96 Resp: 1729  
Ion Ratio Lower Upper  
96 100  
61 138.4 95.0 176.4  
98 64.8 44.6 82.8



#20  
cis-1,2-Dichloroethene  
Concen: 3.740 ug/L  
RT: 3.94 min Scan# 887  
Delta R.T. 0.01 min  
Lab File: VV018768.D  
Acq: 08 Oct 2020 16:23

Tgt Ion: 96 Resp: 9471  
Ion Ratio Lower Upper  
96 100  
61 133.9 86.8 161.2  
68 0.0 0.0 0.0





#46

Tetrachloroethene

Concen: 1.581 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV018768.D

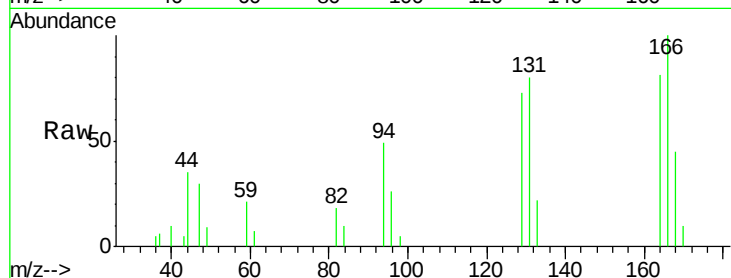
Acq: 08 Oct 2020 16:23

Instrument :

MSVOA\_V

ClientSampleId :

C0AG8



Tot Ion:164 Resp: 3546

Ion Ratio Lower Upper

164 100

129 90.3 62.8 116.6

131 98.6 60.8 112.8

166 123.4 88.9 165.1

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

