

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062420\  
 Data File : VV017111.D  
 Acq On : 25 Jun 2020 07:53  
 Operator : SY/MD  
 Sample : L3102-15  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F9L64

Quant Time: Jun 25 11:44:59 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jun 25 11:33:08 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 183547   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 176242   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 83085    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 35658    | 3.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 64.80%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 31613    | 3.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 79.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 58389    | 2.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 55.80%# |
| 20) 2-Butanone-d5              | 3.93   | 46    | 114400   | 40.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 81.50%  |
| 24) Chloroform-d               | 4.38   | 84    | 96759    | 4.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 82.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 52845    | 4.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 84.60%  |
| 32) Benzene-d6                 | 5.08   | 84    | 179219   | 3.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 78.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.09   | 67    | 54806    | 4.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 80.00%  |
| 41) Toluene-d8                 | 7.34   | 98    | 165814   | 3.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 77.40%  |
| 45) trans-1,3-Dichloropropene- | 7.64   | 79    | 21726    | 3.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 76.20%  |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 84006    | 38.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 77.34%  |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 40124    | 4.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 88.20%  |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 66280    | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 86.40%  |

## Target Compounds

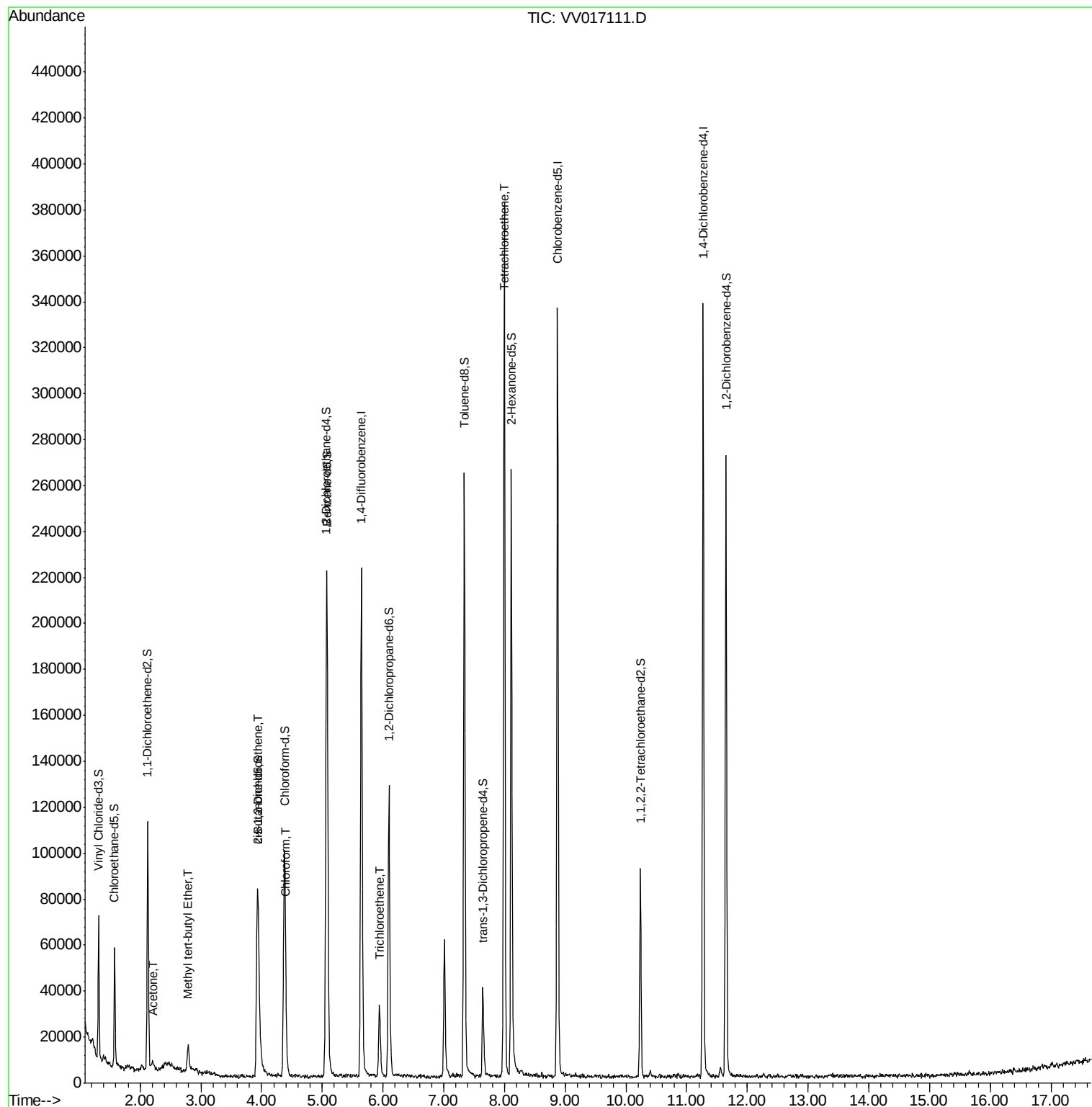
|                             |      |     |       |       | Ovalue    |
|-----------------------------|------|-----|-------|-------|-----------|
| 13) Acetone                 | 2.21 | 43  | 6679  | 4.706 | ug/L 71   |
| 17) Methyl tert-butyl Ether | 2.79 | 73  | 10450 | 0.472 | ug/L # 90 |
| 22) cis-1,2-Dichloroethene  | 3.94 | 96  | 15453 | 1.211 | ug/L # 90 |
| 25) Chloroform              | 4.41 | 83  | 5125  | 0.224 | ug/L 98   |
| 34) Trichloroethene         | 5.94 | 95  | 11283 | 0.835 | ug/L 96   |
| 49) Tetrachloroethene       | 8.00 | 164 | 81459 | 7.488 | ug/L 99   |

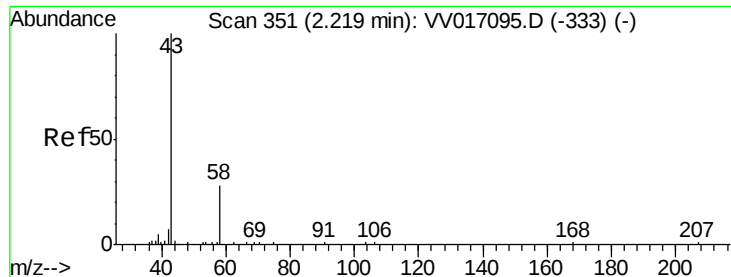
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 4.706 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV017111.D

Acq: 25 Jun 2020 07:53

Instrument :

MSVOA\_V

ClientSampled :

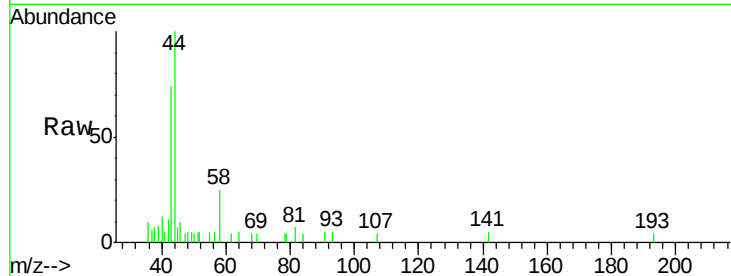
F9L64

Tot Ion: 43 Resp: 6679

Ion Ratio Lower Upper

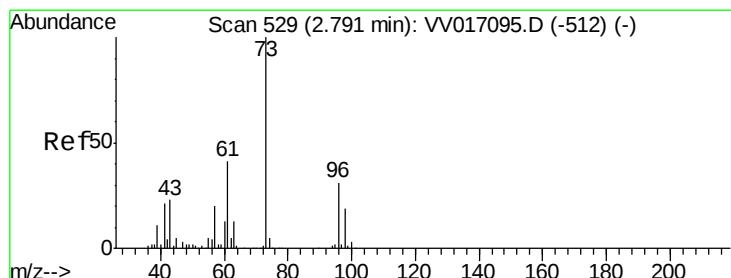
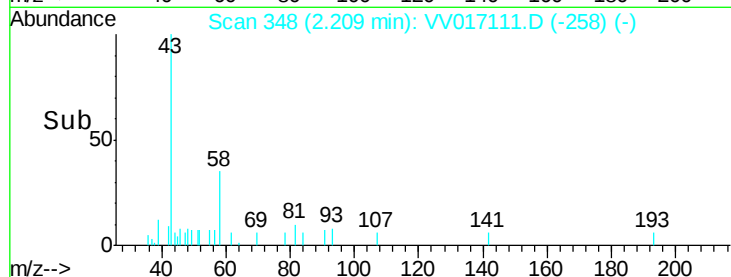
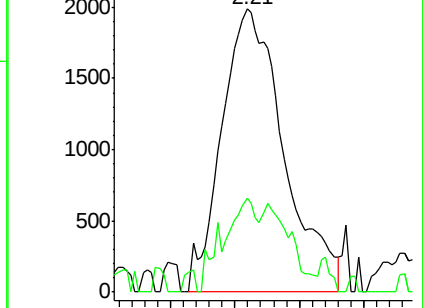
43 100

58 13.7 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#17

Methyl tert-butyl Ether

Concen: 0.472 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV017111.D

Acq: 25 Jun 2020 07:53

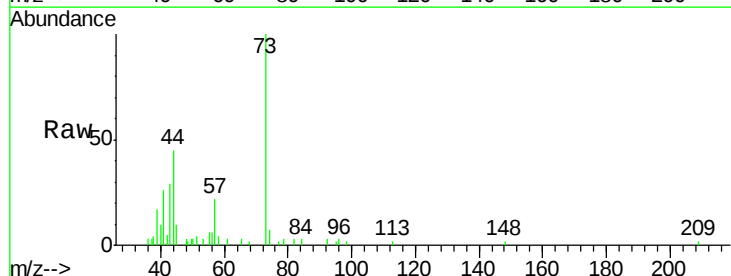
Tgt Ion: 73 Resp: 10450

Ion Ratio Lower Upper

73 100

43 29.7 18.6 28.0#

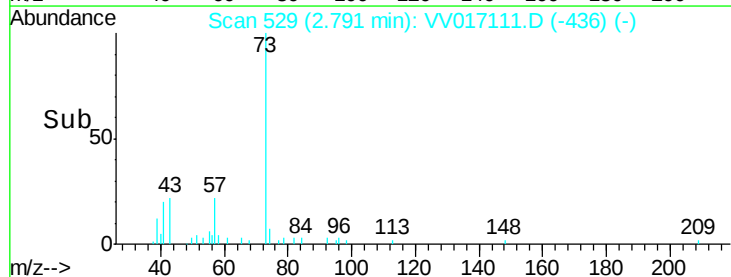
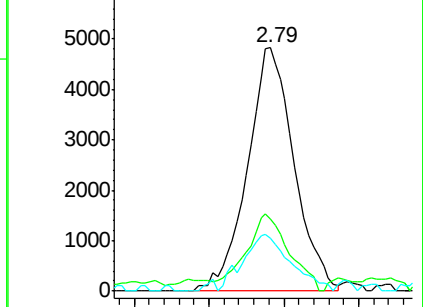
57 23.9 16.4 24.6

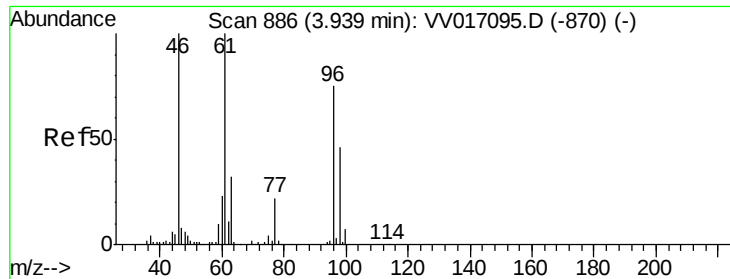


Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



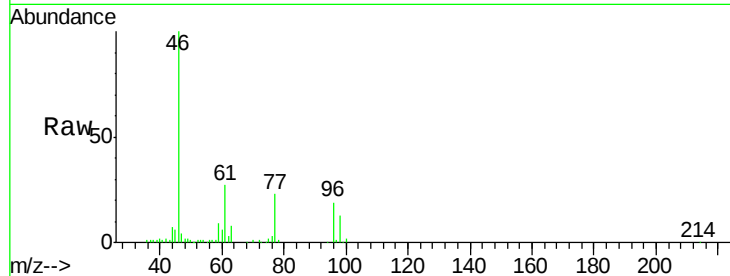


#22

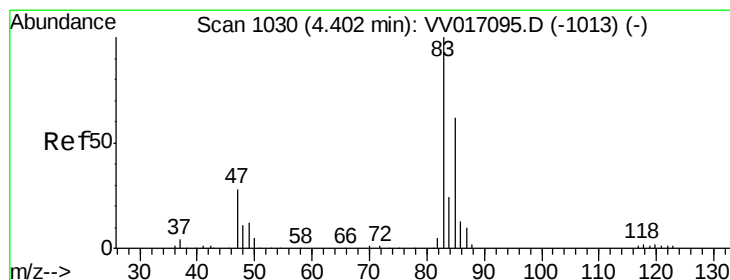
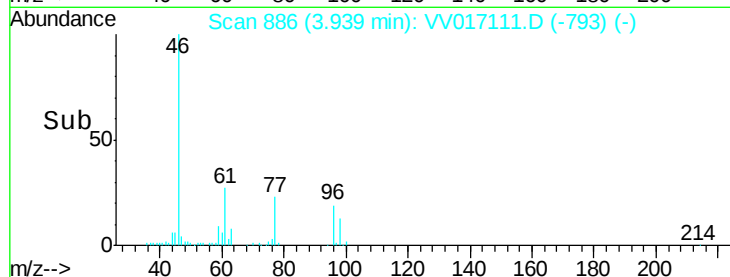
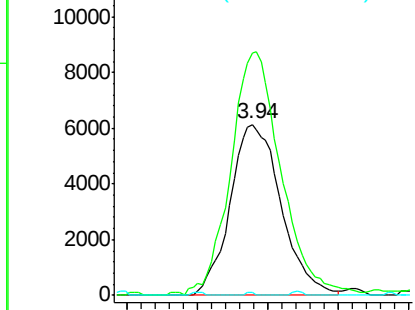
cis-1,2-Dichloroethene  
Concen: 1.211 ug/L  
RT: 3.94 min Scan# 886  
Delta R.T. -0.00 min  
Lab File: VV017111.D  
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Tot Ion: 96 Resp: 15453  
Ion Ratio Lower Upper  
96 100  
61 141.7 91.0 169.0  
68 1.7 0.0 0.0#



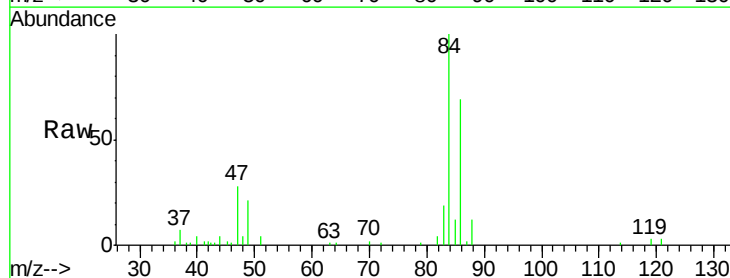
Abundance Ion 96.00 (95.70 to 96.70): VV0  
Ion 61.05 (60.75 to 61.75): VV0  
Ion 68.15 (67.85 to 68.85): VV0



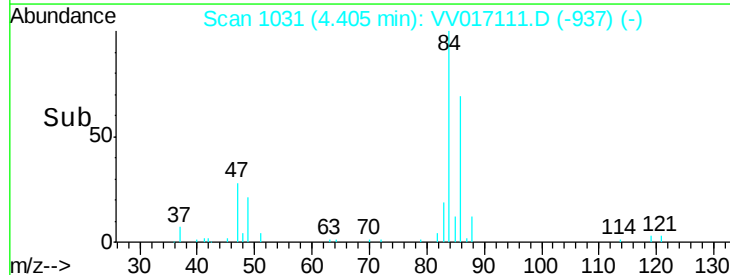
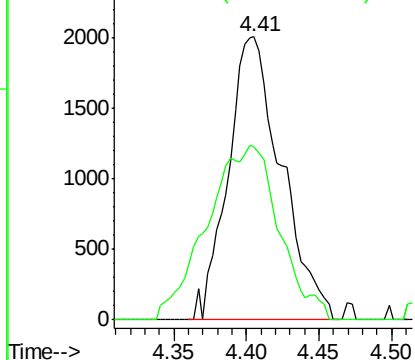
#25

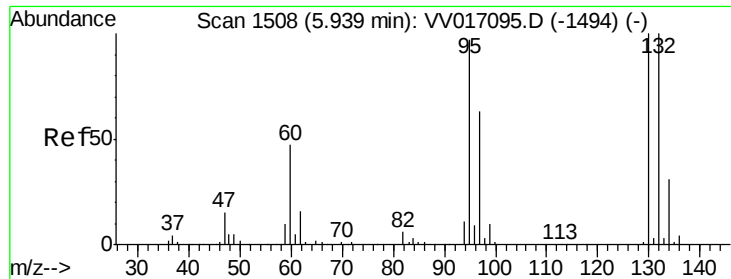
Chloroform  
Concen: 0.224 ug/L  
RT: 4.41 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: VV017111.D  
Acq: 25 Jun 2020 07:53

Tgt Ion: 83 Resp: 5125  
Ion Ratio Lower Upper  
83 100  
85 61.3 44.2 82.2



Abundance Ion 83.05 (82.75 to 83.75): VV0  
Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 0.835 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV017111.D

Acq: 25 Jun 2020 07:53

Instrument :

MSVOA\_V

ClientSampleId :

F9L64

Tot Ion: 95 Resp: 11283

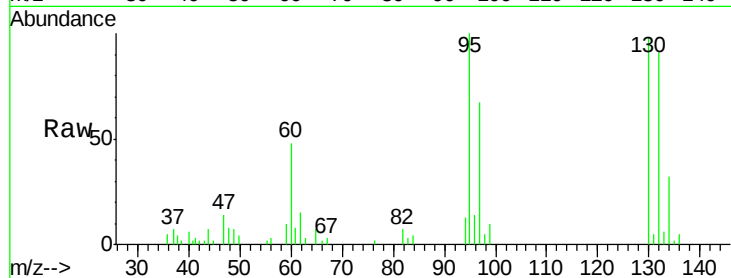
Ion Ratio Lower Upper

95 100

97 66.6 45.3 84.1

132 90.9 68.8 127.8

130 98.2 70.2 130.4

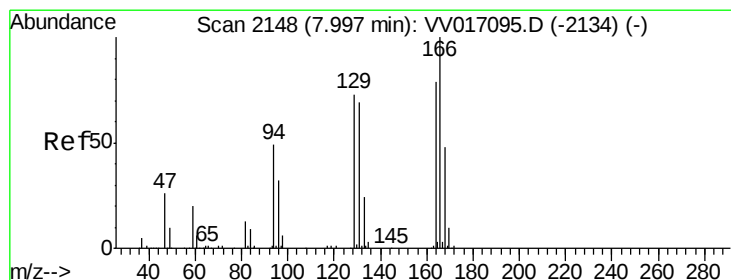
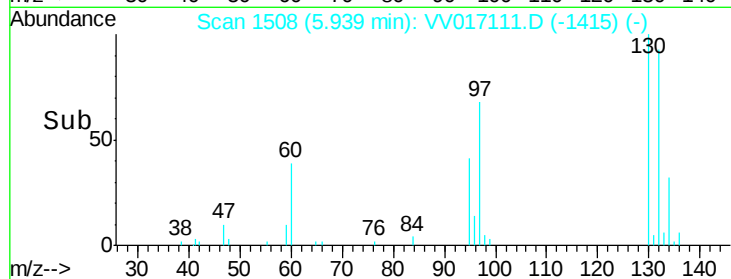
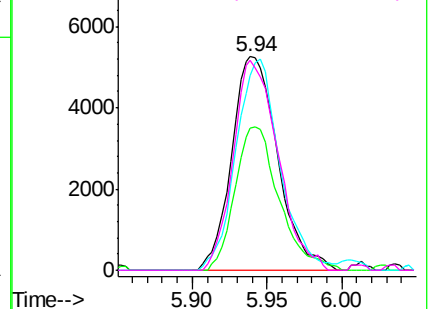


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#49

Tetrachloroethene

Concen: 7.488 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV017111.D

Acq: 25 Jun 2020 07:53

Tgt Ion:164 Resp: 81459

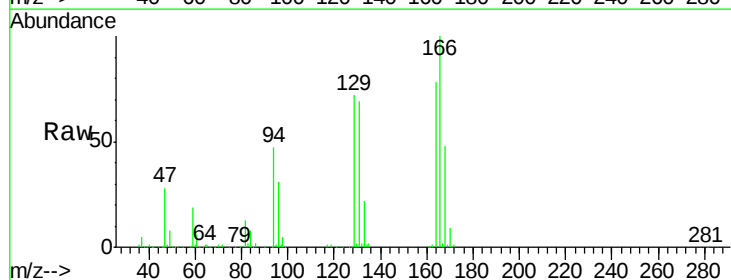
Ion Ratio Lower Upper

164 100

129 92.1 65.2 121.0

131 89.3 64.1 119.1

166 128.8 90.2 167.4



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

