

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060920\  
 Data File : VV016724.D  
 Acq On : 09 Jun 2020 18:01  
 Operator : SY/MD  
 Sample : L2901-12  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETTY5

Manual Integrations  
 APPROVED

MMDadoda  
 6/10/2020 3:51:54 PM

Quant Time: Jun 10 04:04:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 10 03:42:58 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 352175   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 336032   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 162787   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 80373    | 32.34    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 64.68% |
| 7) Chloroethane-d5             | 1.56    | 69    | 61914    | 41.52    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 83.04% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 130190   | 31.20    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 62.40% |
| 21) 2-Butanone-d5              | 3.90    | 46    | 181981   | 98.94    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 98.94% |
| 24) Chloroform-d               | 4.37    | 84    | 211209   | 41.80    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.60% |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 152116   | 44.26    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.52% |
| 32) Benzene-d6                 | 5.07    | 84    | 402326   | 41.53    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.06% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 129990   | 43.05    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 86.10% |
| 41) Toluene-d8                 | 7.34    | 98    | 361795   | 40.70    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 81.40% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 62075    | 39.47    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 78.94% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 120866   | 91.82    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 91.82% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 186352   | 46.62    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.24% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 166035   | 47.79    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.58% |

## Target Compounds

| Target Compounds             | R.T. | QIon | Response | Conc    | Units | Ovalue |
|------------------------------|------|------|----------|---------|-------|--------|
| 5) Vinyl chloride            | 1.32 | 62   | 338119   | 134.658 | ug/L  | 100    |
| 12) 1,1-Dichloroethene       | 2.13 | 96   | 26802m   | 15.334  | ug/L  |        |
| 17) trans-1,2-Dichloroethene | 2.78 | 96   | 10124    | 4.248   | ug/L  | 99     |
| 20) cis-1,2-Dichloroethene   | 3.93 | 96   | 2188570  | 842.343 | ug/L  | 98     |
| 34) Trichloroethene          | 5.94 | 95   | 702806   | 263.572 | ug/L  | 98     |

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

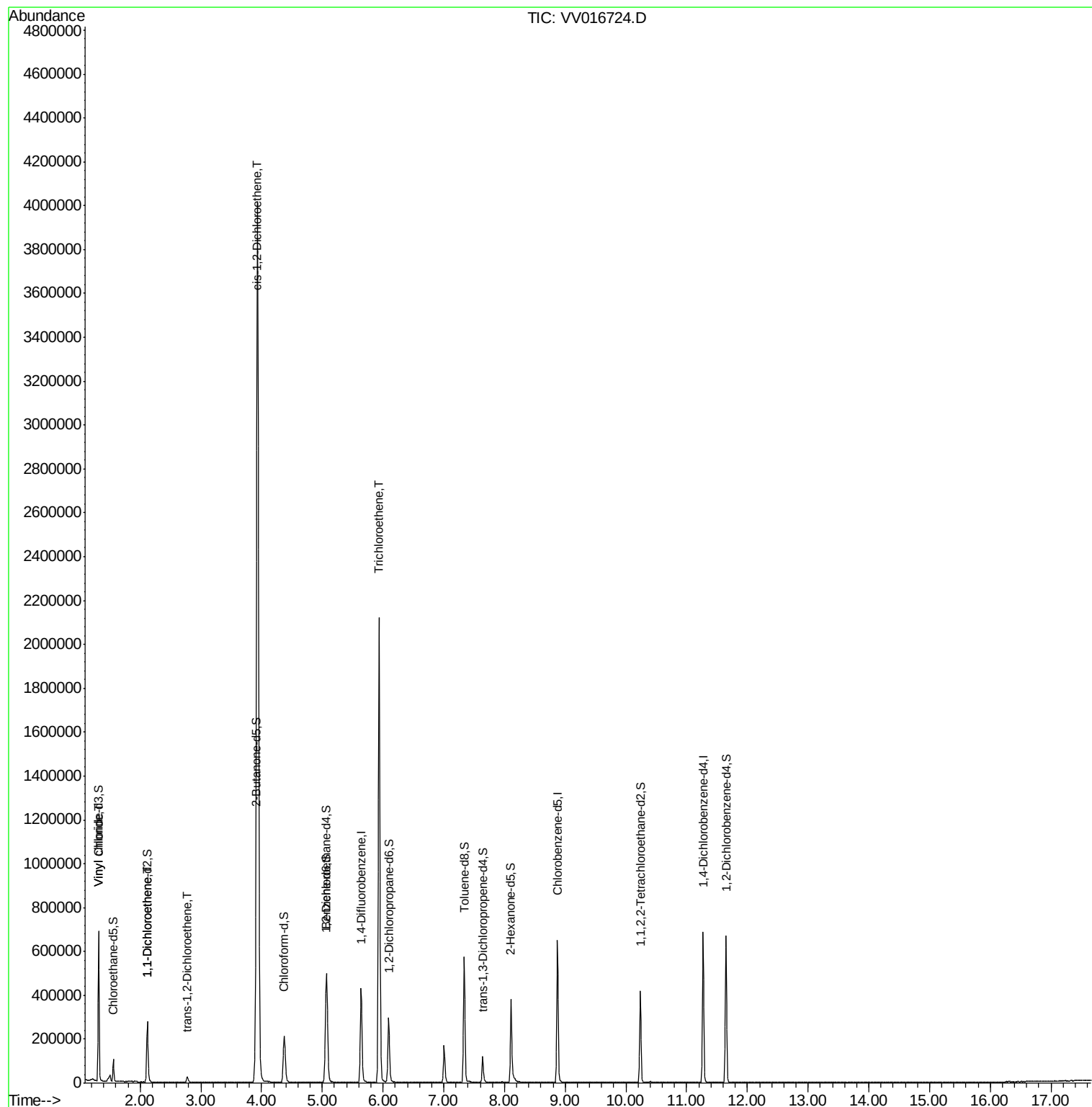
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060920\  
Data File : VV016724.D  
Acq On : 09 Jun 2020 18:01  
Operator : SY/MD  
Sample : L2901-12  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 29 Sample Multiplier: 1

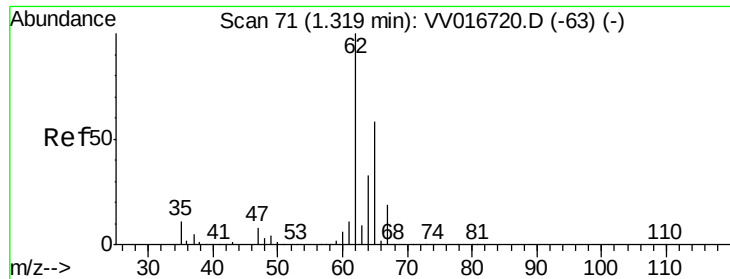
Instrument :  
MSVOA\_V  
ClientSampleId :  
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Quant Time: Jun 10 04:04:04 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jun 10 03:42:58 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 134.658 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV016724.D

Acq: 09 Jun 2020 18:01

Instrument :

MSVOA\_V

ClientSampleId :

ETTY5

Tot Ion: 62 Resp: 338119

Ion Ratio Lower Upper

62 100

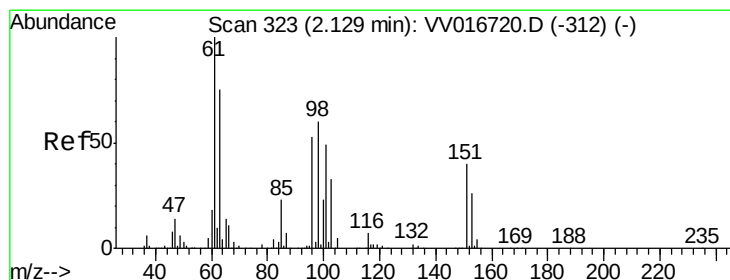
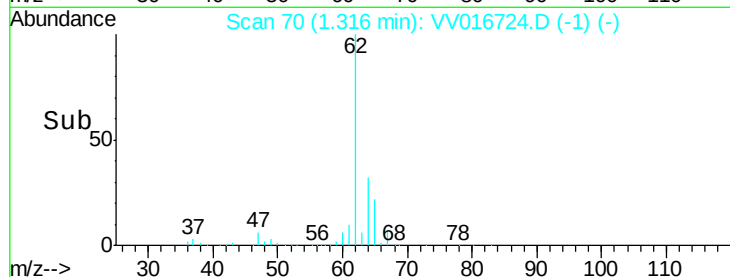
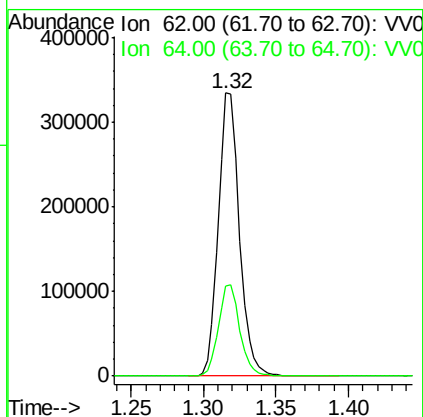
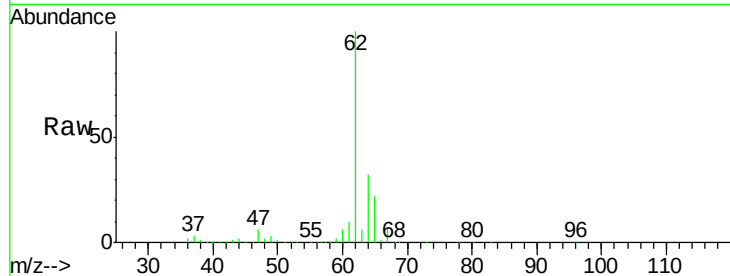
64 32.0 22.3 41.5

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 15.334 ug/L m

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016724.D

Acq: 09 Jun 2020 18:01

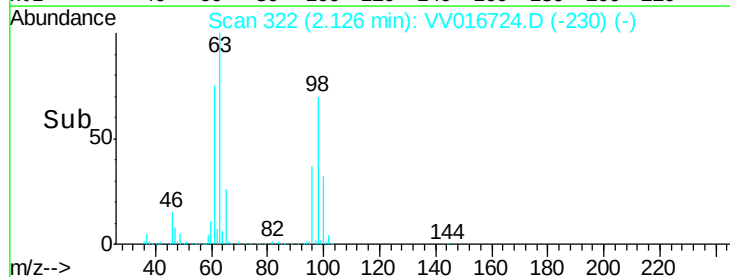
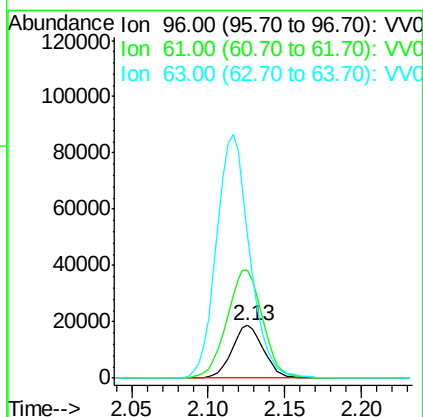
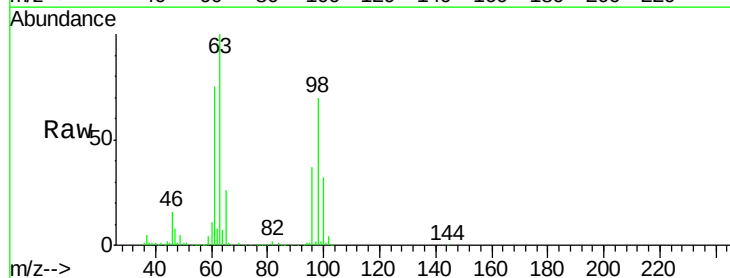
Tgt Ion: 96 Resp: 26802

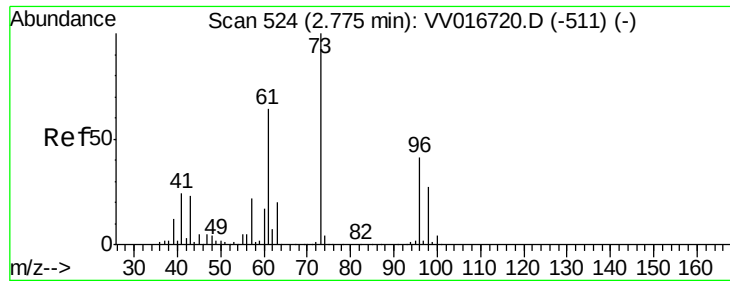
Ion Ratio Lower Upper

96 100

61 204.9 130.4 242.2

63 272.7 103.3 191.9#





#17

trans-1,2-Dichloroethene

Concen: 4.248 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV016724.D

Acq: 09 Jun 2020 18:01

Instrument :

MSVOA\_V

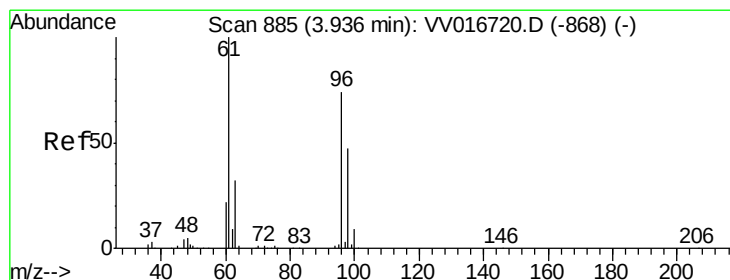
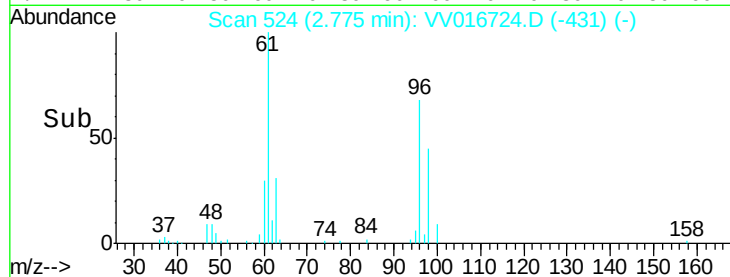
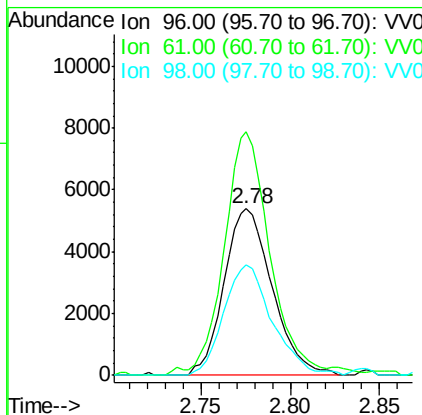
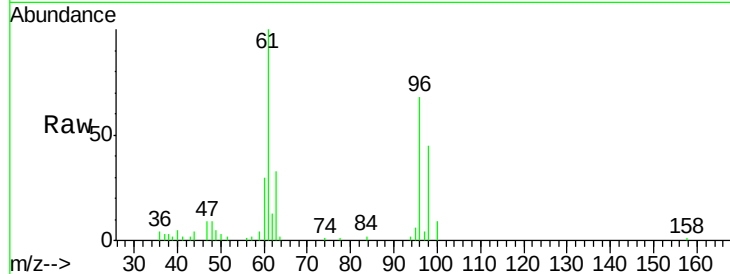
ClientSampled :

ETTY5

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 10124 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 146.2 | 102.9 | 191.1 |
| 98       | 66.3  | 45.5  | 84.5  |

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#20

cis-1,2-Dichloroethene

Concen: 842.343 ug/L

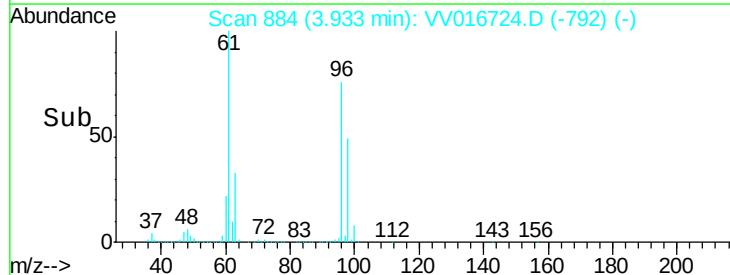
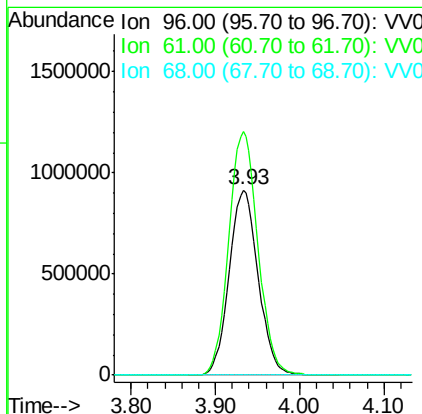
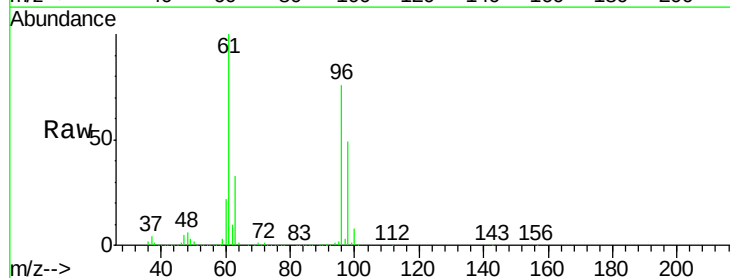
RT: 3.93 min Scan# 884

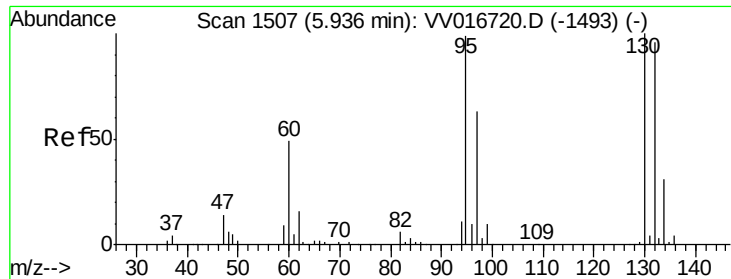
Delta R.T. -0.00 min

Lab File: VV016724.D

Acq: 09 Jun 2020 18:01

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 96    | Resp: | 2188570 |
| Ion      | Ratio | Lower | Upper   |
| 96       | 100   |       |         |
| 61       | 131.5 | 93.4  | 173.4   |
| 68       | 0.0   | 0.0   | 0.0     |





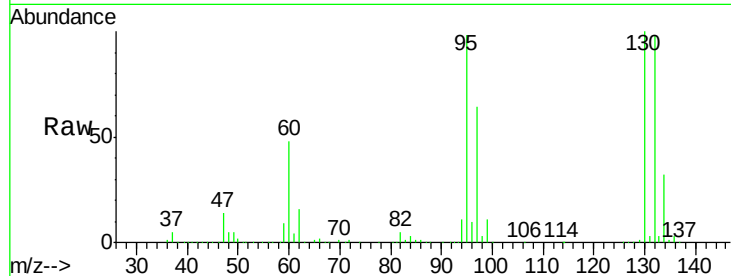
#34  
 Trichloroethene  
 Concen: 263.572 ug/L  
 RT: 5.94 min Scan# 1507  
 Delta R.T. 0.00 min  
 Lab File: VV016724.D  
 Acq: 09 Jun 2020 18:01

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETTY5

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 95      | 100   |            |            |
| 97      | 64.7  | 44.3       | 82.3       |
| 132     | 99.4  | 67.9       | 126.1      |
| 130     | 101.9 | 72.2       | 134.2      |

Manual Integrations  
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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): V

Ion 130.00 (129.70 to 130.70): V

