

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082319\  
 Data File : VV012379.D  
 Acq On : 23 Aug 2019 22:18  
 Operator : SY/MD  
 Sample : K4500-07  
 Misc : 25mL/MSVOA V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GANK1

Quant Time: Aug 26 08:48:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR082319WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Aug 26 07:59:52 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 244663   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 242555   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 94475    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 65401    | 5.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 107.00% |
| 7) Chloroethane-d5             | 1.58   | 69    | 48220    | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 106.80% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 86191    | 3.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 79.40%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 112412   | 34.11    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 68.22%  |
| 24) Chloroform-d               | 4.40   | 84    | 127142   | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 69423    | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.20% |
| 32) Benzene-d6                 | 5.10   | 84    | 286726   | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 87151    | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.40%  |
| 41) Toluene-d8                 | 7.36   | 98    | 237003   | 4.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.60%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 27241    | 4.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 80.40%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 73745    | 35.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 70.10%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 49025    | 4.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 82.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 80575    | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.40% |

## Target Compounds

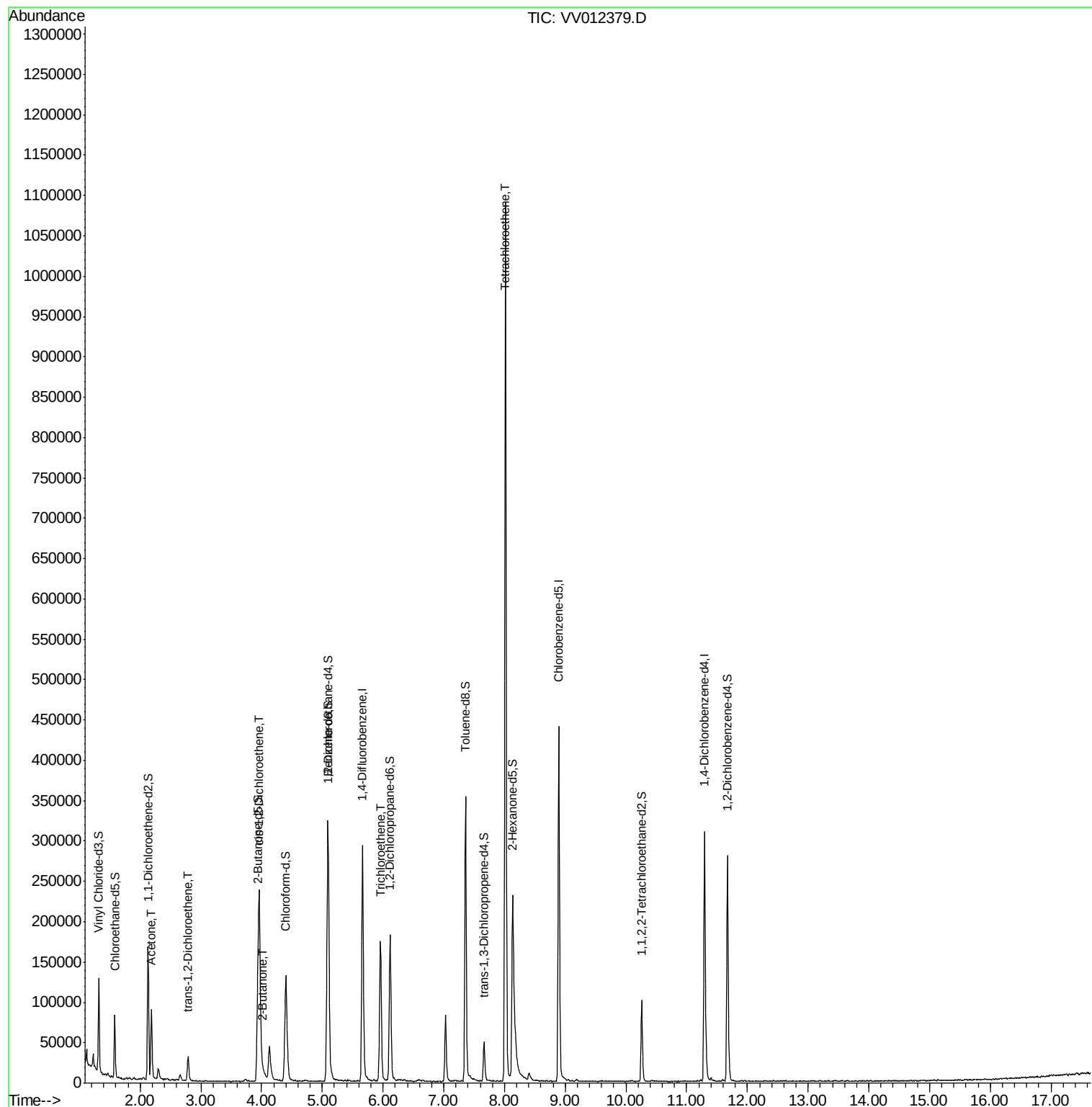
|                              |      |     |        |             | Ovalue |
|------------------------------|------|-----|--------|-------------|--------|
| 13) Acetone                  | 2.19 | 43  | 80478  | 56.449 ug/L | 96     |
| 18) trans-1,2-Dichloroethene | 2.79 | 96  | 10517  | 0.721 ug/L  | 96     |
| 21) 2-Butanone               | 4.03 | 43  | 18864  | 5.633 ug/L  | 88     |
| 22) cis-1,2-Dichloroethene   | 3.96 | 96  | 103900 | 6.527 ug/L  | 99     |
| 34) Trichloroethene          | 5.96 | 95  | 58120  | 3.481 ug/L  | 96     |
| 47) Tetrachloroethene        | 8.02 | 164 | 249587 | 18.531 ug/L | 98     |

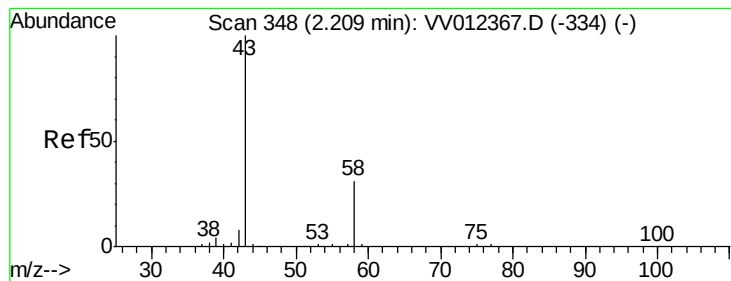
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 26 07:59:52 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 56.449 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

Lab File: VV012379.D

Acq: 23 Aug 2019 22:18

Instrument :

MSVOA\_V

ClientSampled :

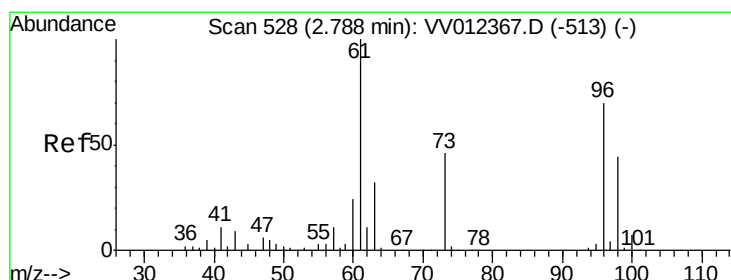
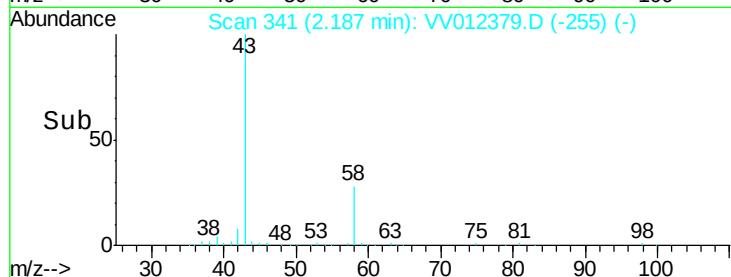
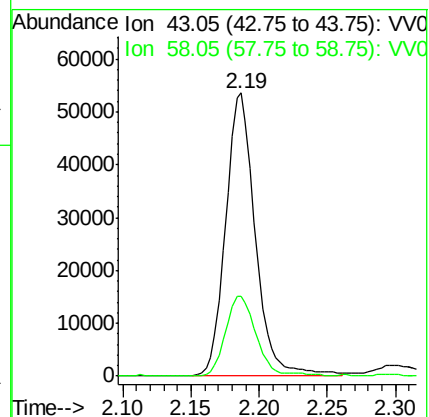
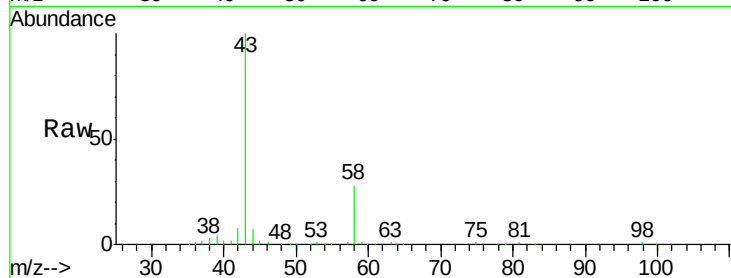
GANK1

Tot Ion: 43 Resp: 80478

Ion Ratio Lower Upper

43 100

58 28.9 0.0 62.8



#18

trans-1,2-Dichloroethene

Concen: 0.721 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012379.D

Acq: 23 Aug 2019 22:18

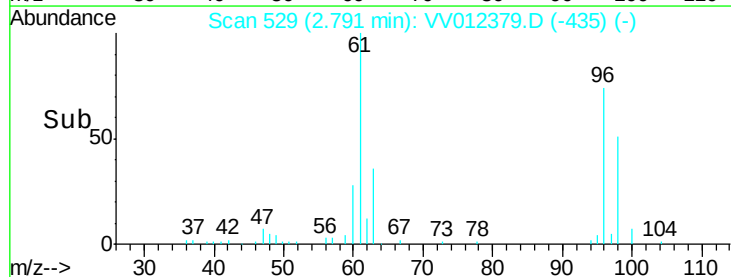
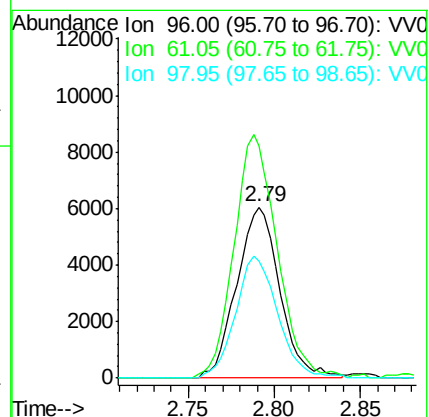
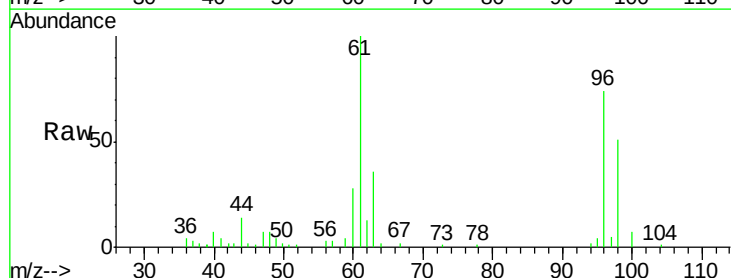
Tgt Ion: 96 Resp: 10517

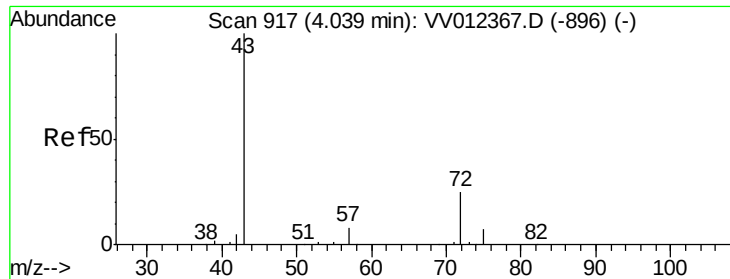
Ion Ratio Lower Upper

96 100

61 135.8 96.0 178.4

98 68.8 42.1 78.3





#21

2-Butanone

Concen: 5.633 ug/L

RT: 4.03 min Scan# 913

Delta R.T. -0.01 min

Lab File: VV012379.D

Acq: 23 Aug 2019 22:18

Instrument :

MSVOA\_V

ClientSampled :

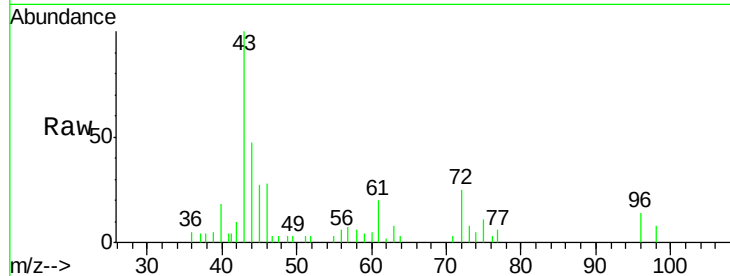
GANK1

Tot Ion: 43 Resp: 18864

Ion Ratio Lower Upper

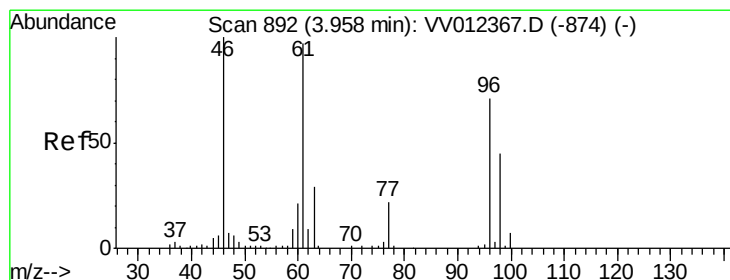
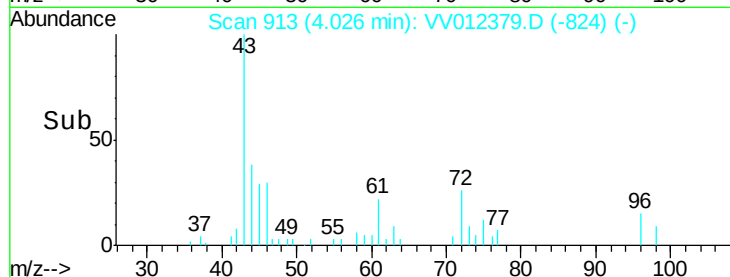
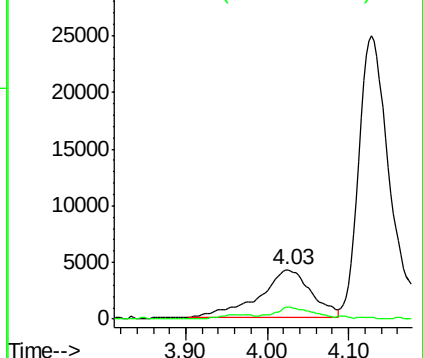
43 100

72 18.4 12.2 36.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



#22

cis-1,2-Dichloroethene

Concen: 6.527 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV012379.D

Acq: 23 Aug 2019 22:18

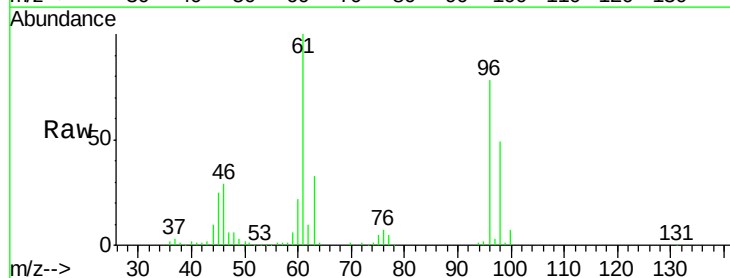
Tgt Ion: 96 Resp: 103900

Ion Ratio Lower Upper

96 100

61 128.6 89.4 166.0

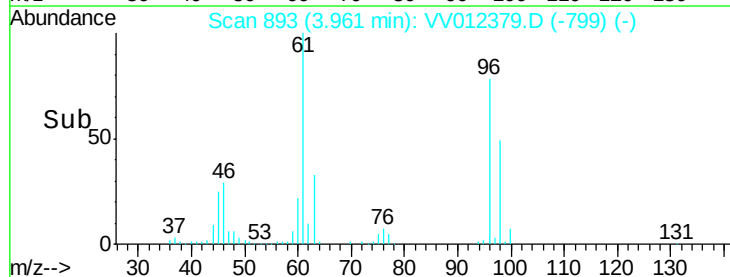
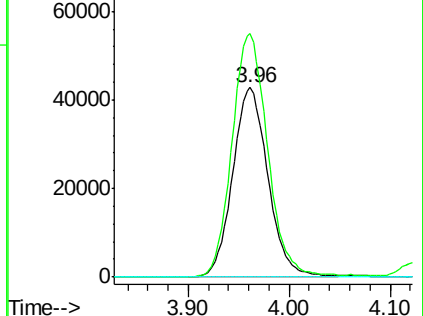
68 0.0 0.0 0.0

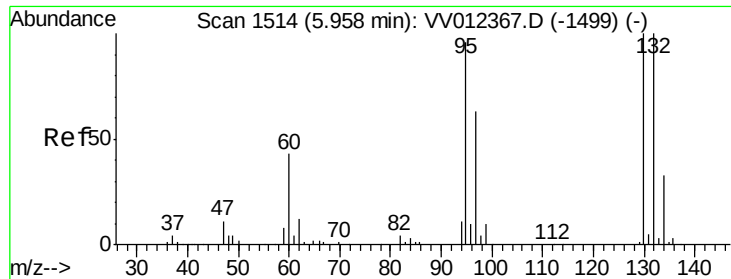


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#34

Trichloroethene

Concen: 3.481 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV012379.D

Acq: 23 Aug 2019 22:18

Instrument :

MSVOA\_V

ClientSampled :

GANK1

Tot Ion: 95 Resp: 58120

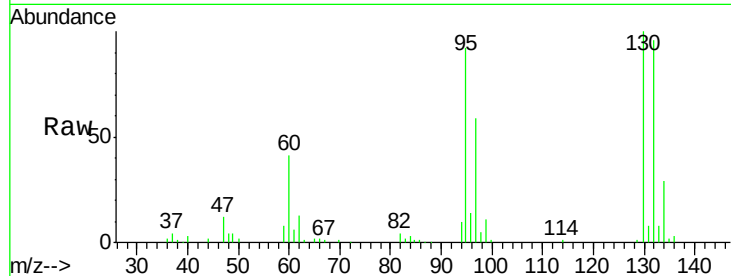
Ion Ratio Lower Upper

95 100

97 63.4 46.3 86.1

132 103.9 70.3 130.7

130 108.2 72.4 134.5



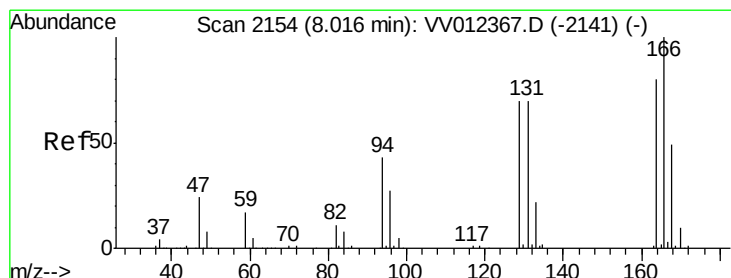
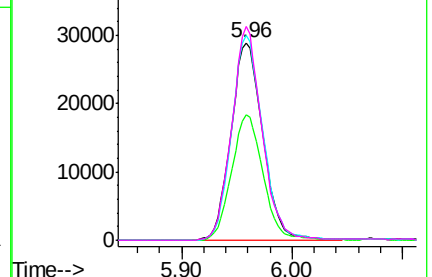
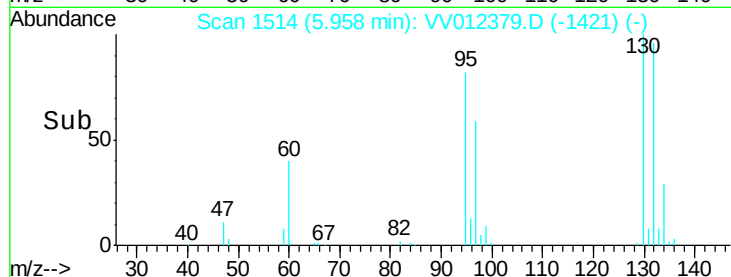
Abundance

Ion 95.00 (94.70 to 95.70): VV012367.D (-1499) (-)

Ion 96.95 (96.65 to 97.65): VV012367.D (-1499) (-)

Ion 131.95 (131.65 to 132.65): VV012367.D (-1499) (-)

Ion 129.95 (129.65 to 130.65): VV012367.D (-1499) (-)



#47

Tetrachloroethene

Concen: 18.531 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012379.D

Acq: 23 Aug 2019 22:18

Tgt Ion: 164 Resp: 249587

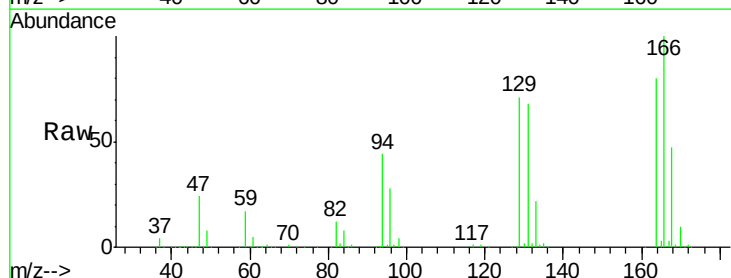
Ion Ratio Lower Upper

164 100

129 89.9 60.6 112.6

131 85.5 58.8 109.2

166 125.8 87.6 162.8



Abundance

Ion 163.90 (163.60 to 164.60): VV012367.D (-2141) (-)

Ion 128.95 (128.65 to 129.65): VV012367.D (-2141) (-)

Ion 130.95 (130.65 to 131.65): VV012367.D (-2141) (-)

Ion 165.90 (165.60 to 166.60): VV012367.D (-2141) (-)

