

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\  
 Data File : VV016268.D  
 Acq On : 28 May 2020 11:45  
 Operator : SY/MD  
 Sample : L2755-13  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAXD7

Quant Time: May 29 01:45:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR052620WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri May 29 01:10:53 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 87903    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 83922    | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 38875    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 22731    | 4.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 80.60%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 22240    | 4.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 34444    | 3.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.00%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 74207    | 52.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 105.98% |
| 24) Chloroform-d               | 4.38   | 84    | 49597    | 4.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 29409    | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.80%  |
| 32) Benzene-d6                 | 5.08   | 84    | 99169    | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 31412    | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.60%  |
| 41) Toluene-d8                 | 7.34   | 98    | 89687    | 4.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.60%  |
| 45) trans-1,3-Dichloropropene- | 7.65   | 79    | 10282    | 4.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.80%  |
| 48) 2-Hexanone-d5              | 8.12   | 63    | 55001    | 50.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 100.04% |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 22563    | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.00%  |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 32367    | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.80%  |

## Target Compounds

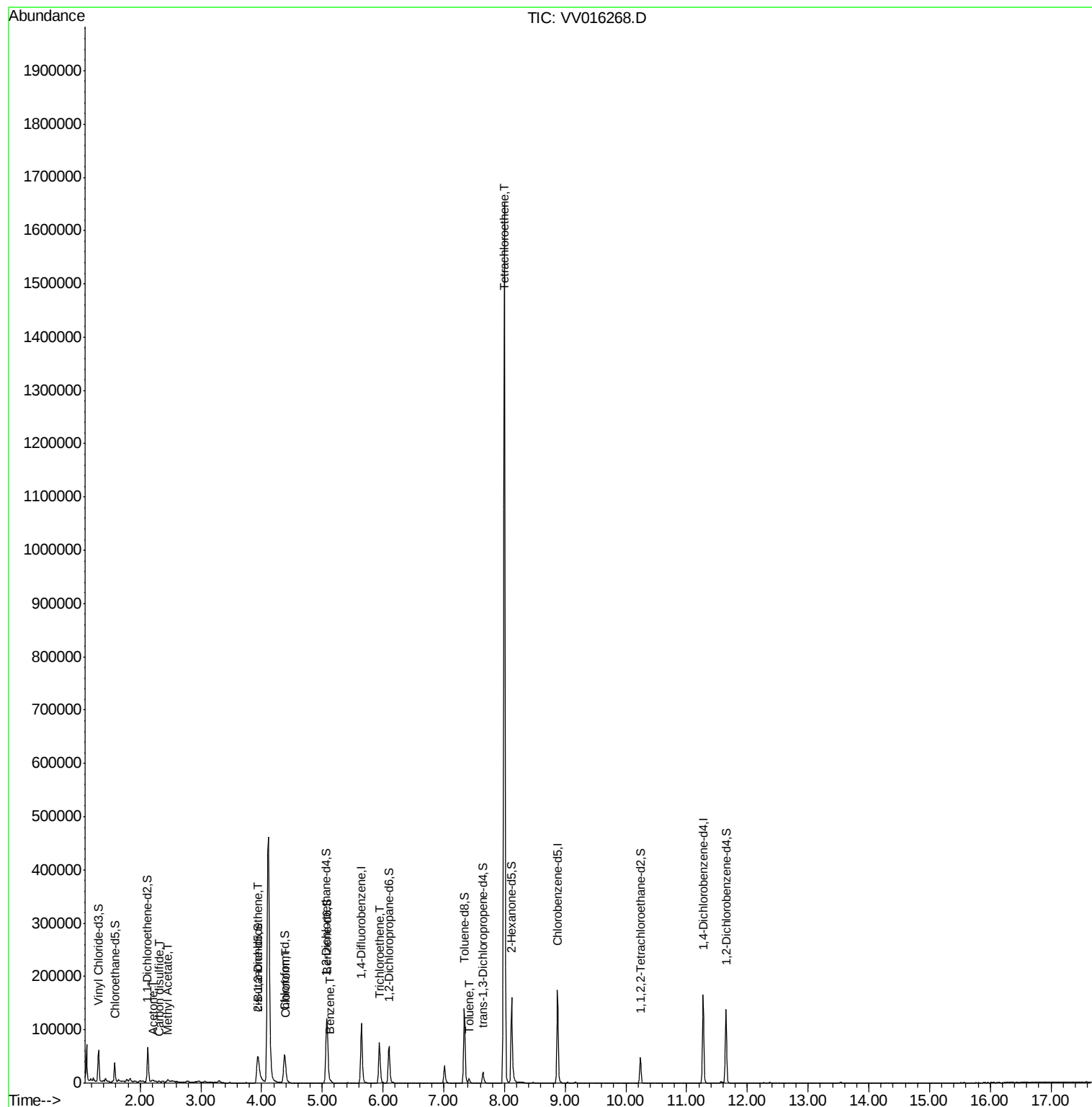
|                            |      |     |        |              | Ovalue |
|----------------------------|------|-----|--------|--------------|--------|
| 13) Acetone                | 2.21 | 43  | 5954   | 6.869 ug/L   | 90     |
| 14) Carbon disulfide       | 2.31 | 76  | 1691   | 0.105 ug/L # | 86     |
| 15) Methyl Acetate         | 2.46 | 43  | 4194   | 1.893 ug/L # | 89     |
| 22) cis-1,2-Dichloroethene | 3.94 | 96  | 8230   | 1.226 ug/L   | 99     |
| 25) Chloroform             | 4.40 | 83  | 5183   | 0.454 ug/L   | 96     |
| 33) Benzene                | 5.13 | 78  | 4283   | 0.177 ug/L   | 100    |
| 34) Trichloroethene        | 5.94 | 95  | 26210  | 4.166 ug/L   | 98     |
| 42) Toluene                | 7.41 | 91  | 6153   | 0.234 ug/L   | 98     |
| 49) Tetrachloroethene      | 8.00 | 164 | 320490 | 70.956 ug/L  | 98     |

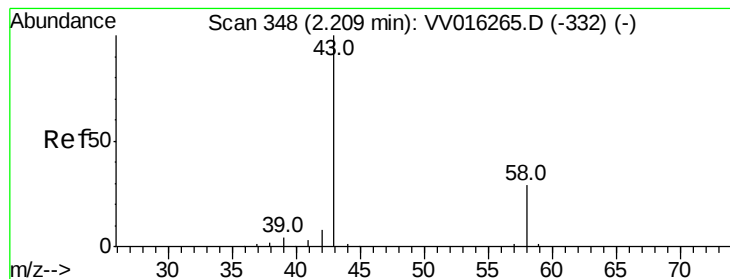
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 29 01:10:53 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 6.869 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV016268.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA\_V

ClientSampleId :

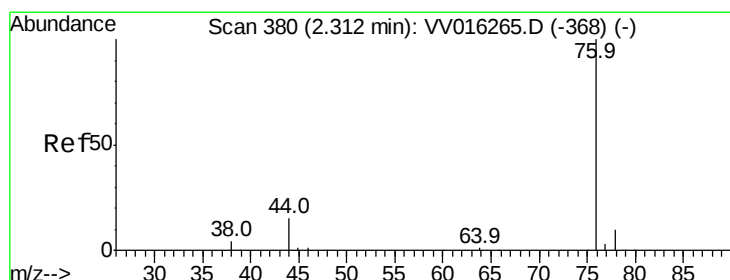
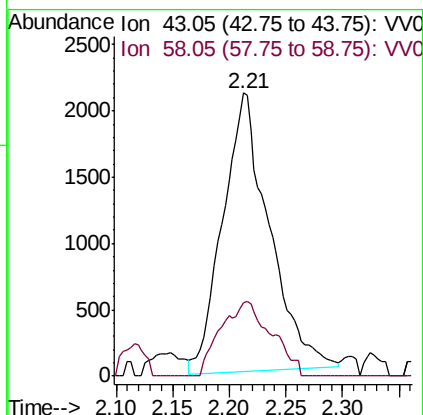
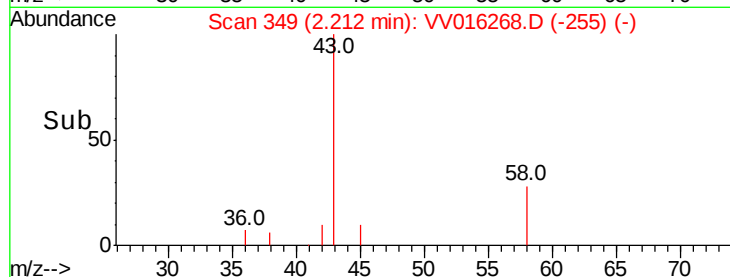
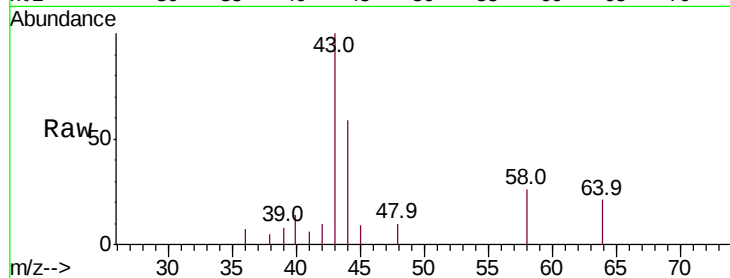
GAXD7

Tot Ion: 43 Resp: 5954

Ion Ratio Lower Upper

43 100

58 29.4 0.0 48.8



#14

Carbon disulfide

Concen: 0.105 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV016268.D

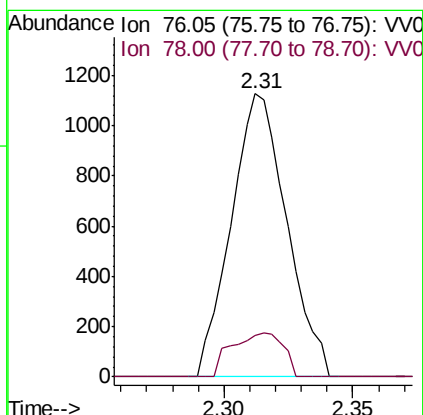
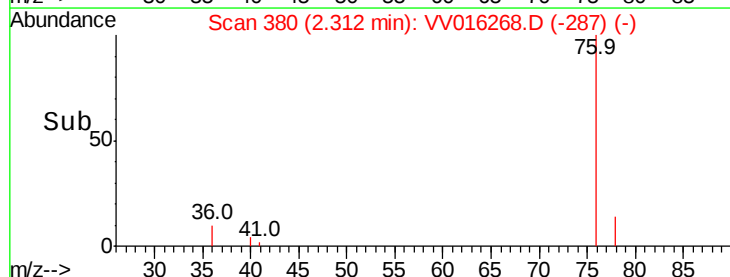
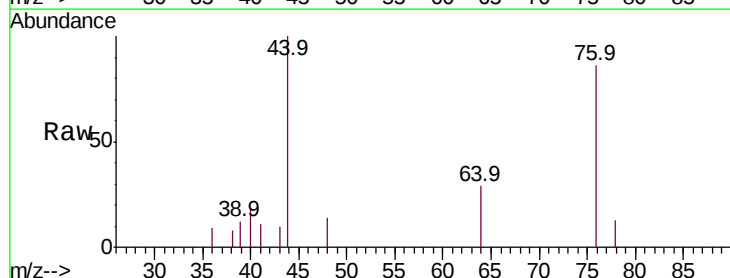
Acq: 28 May 2020 11:45

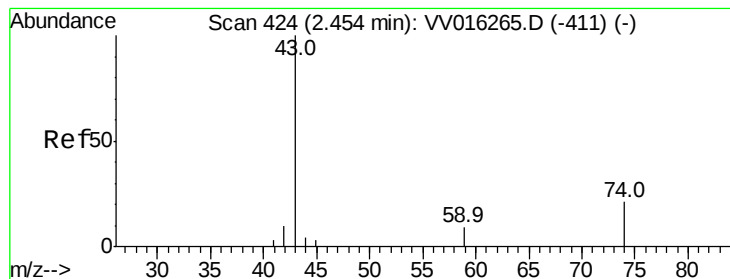
Tgt Ion: 76 Resp: 1691

Ion Ratio Lower Upper

76 100

78 14.5 7.4 11.0#





#15

Methvl Acetate

Concen: 1.893 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

Lab File: VV016268.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA\_V

ClientSampleId :

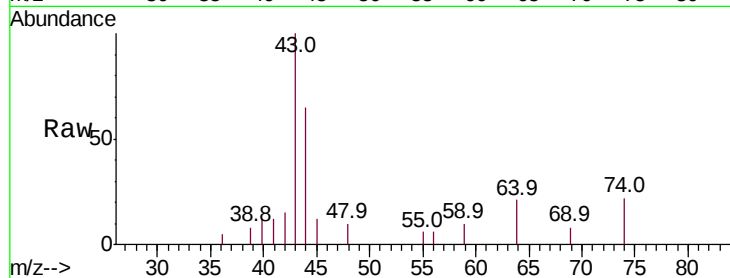
GAXD7

Tot Ion: 43 Resp: 4194

Ion Ratio Lower Upper

43 100

74 17.1 18.1 27.1#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.46

2000

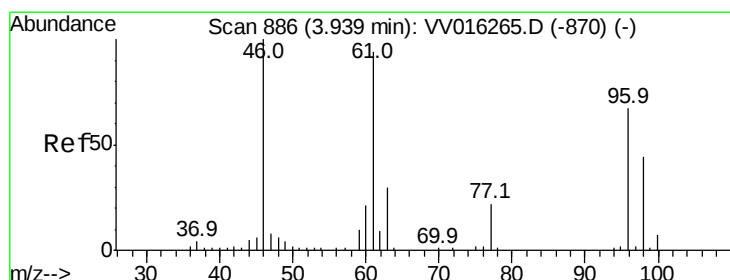
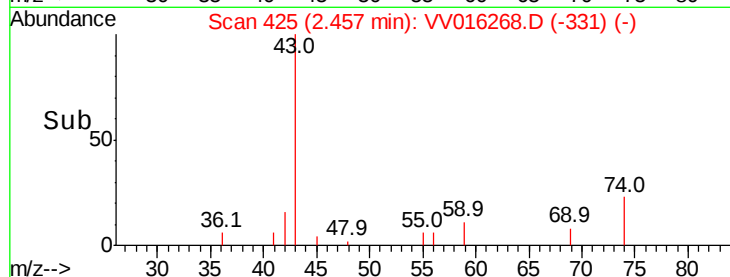
1500

1000

500

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 1.226 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV016268.D

Acq: 28 May 2020 11:45

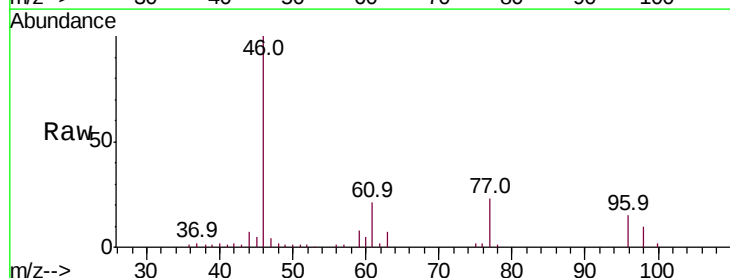
Tgt Ion: 96 Resp: 8230

Ion Ratio Lower Upper

96 100

61 141.3 99.7 185.1

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

6000

5000

4000

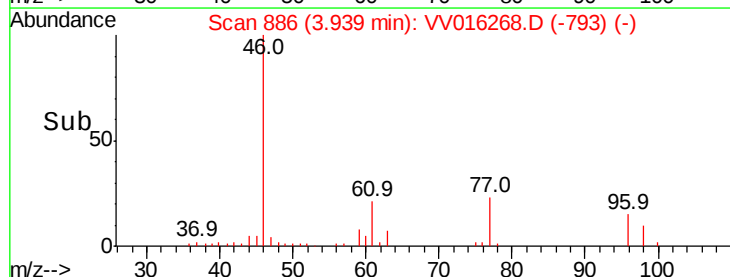
3000

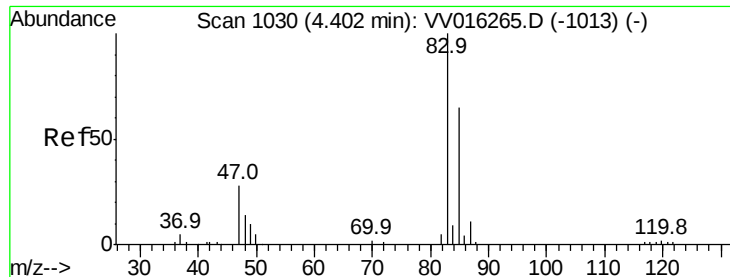
2000

1000

0

Time-->





#25

Chloroform

Concen: 0.454 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV016268.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA\_V

ClientSampled :

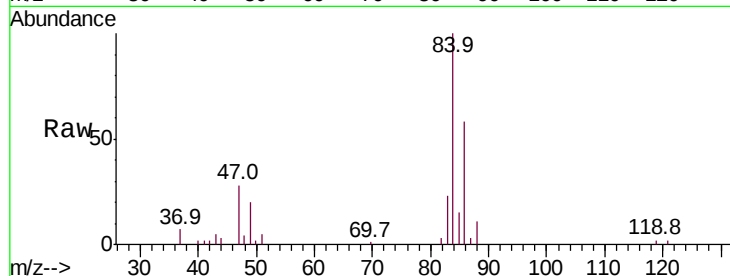
GAXD7

Tot Ion: 83 Resp: 5183

Ion Ratio Lower Upper

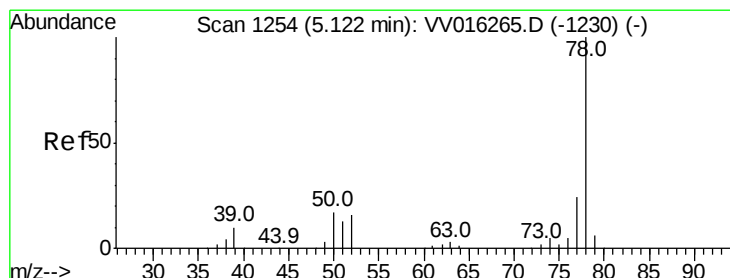
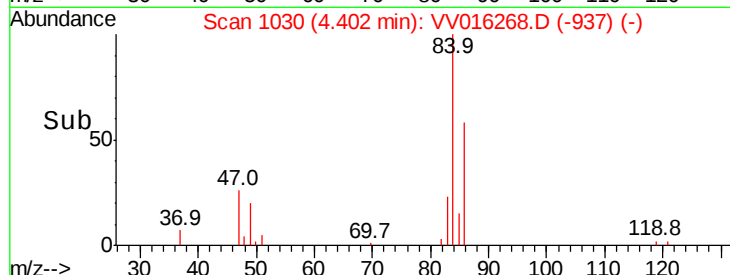
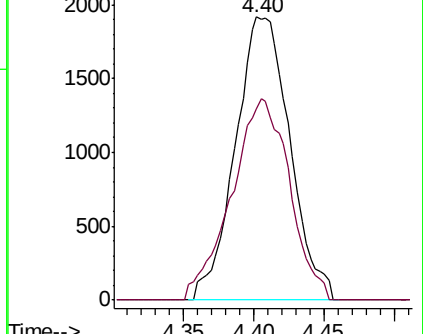
83 100

85 67.5 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#33

Benzene

Concen: 0.177 ug/L

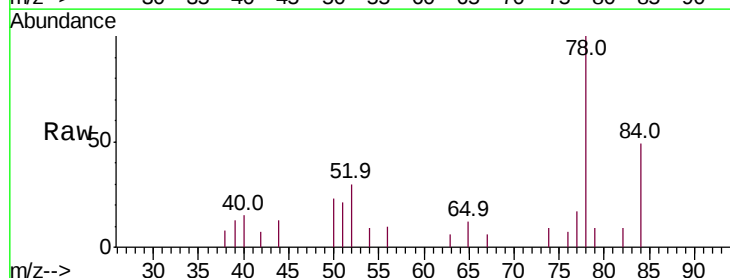
RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

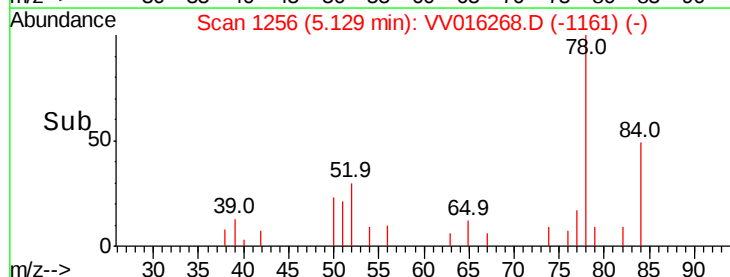
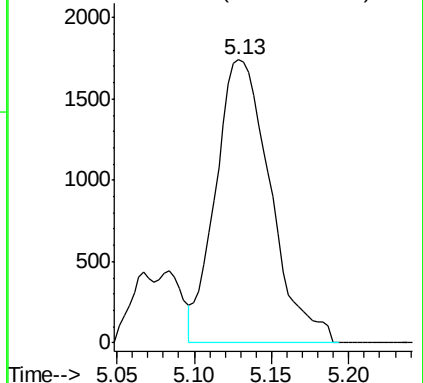
Lab File: VV016268.D

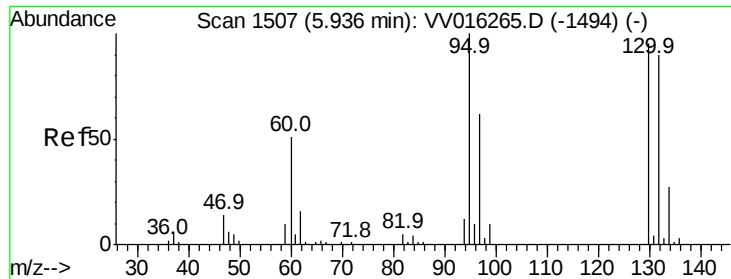
Acq: 28 May 2020 11:45

Tgt Ion: 78 Resp: 4283



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.166 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016268.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA\_V

ClientSampleId :

GAXD7

Tot Ion: 95 Resp: 26210

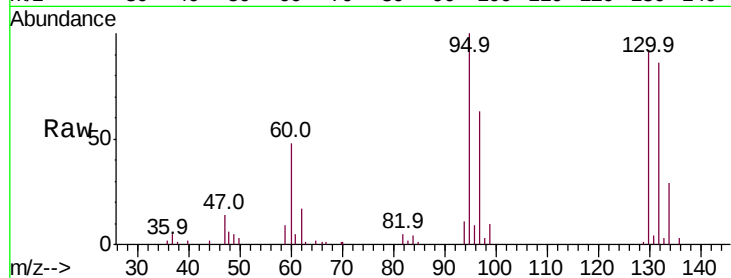
Ion Ratio Lower Upper

95 100

97 62.6 43.6 81.0

132 85.9 63.9 118.7

130 92.4 65.2 121.0

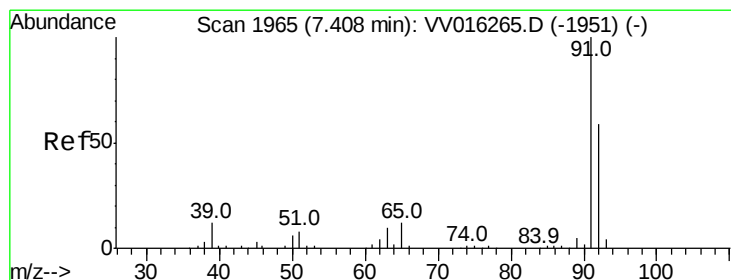
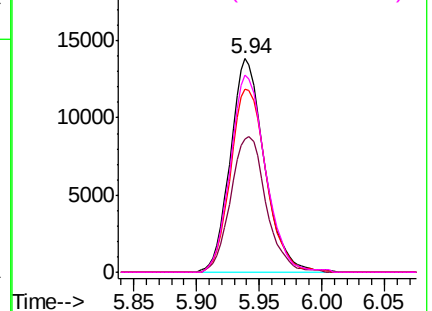
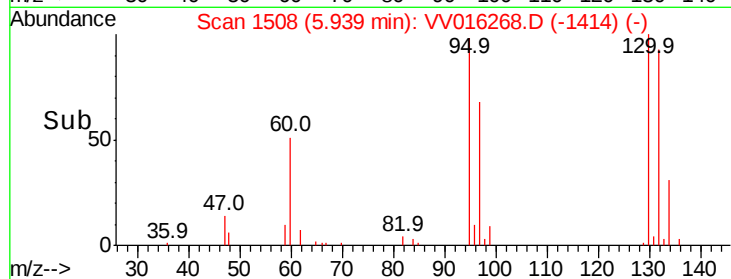


Abundance Ion 95.00 (94.70 to 95.70): VV016268.D (-1414) (-)

Ion 96.95 (96.65 to 97.65): VV016268.D (-1414) (-)

Ion 131.95 (131.65 to 132.65): VV016268.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV016268.D (-1414) (-)



#42

Toluene

Concen: 0.234 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV016268.D

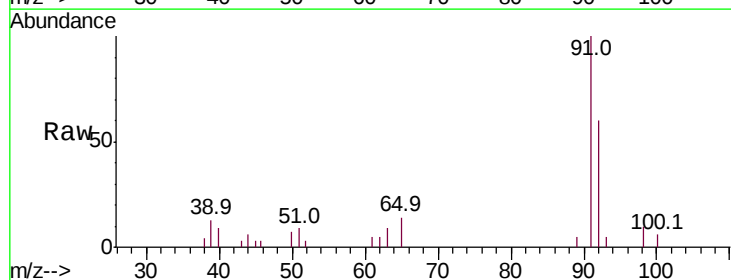
Acq: 28 May 2020 11:45

Tgt Ion: 91 Resp: 6153

Ion Ratio Lower Upper

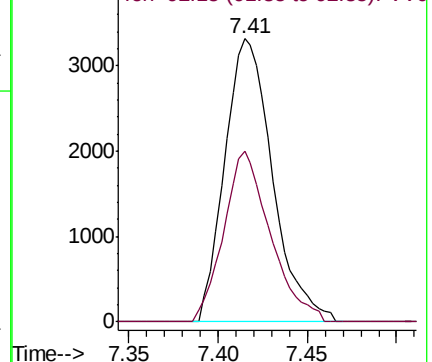
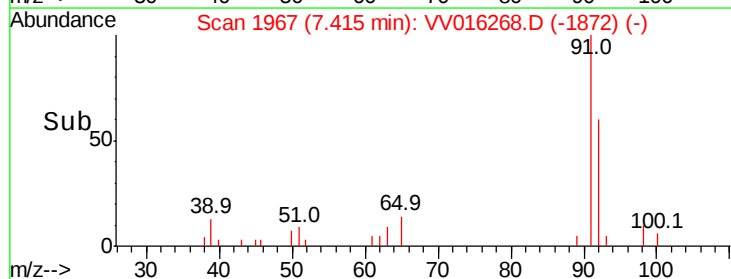
91 100

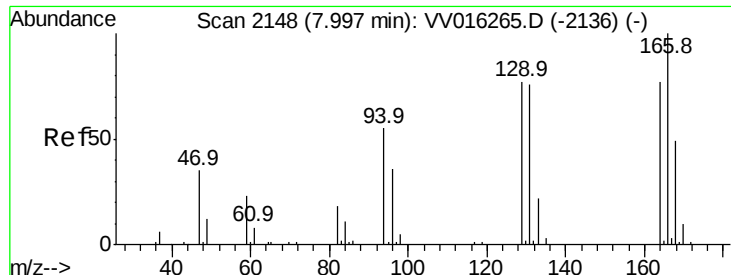
92 60.4 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV016268.D (-1872) (-)

Ion 92.15 (91.85 to 92.85): VV016268.D (-1872) (-)





#49

Tetrachloroethene

Concen: 70.956 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV016268.D

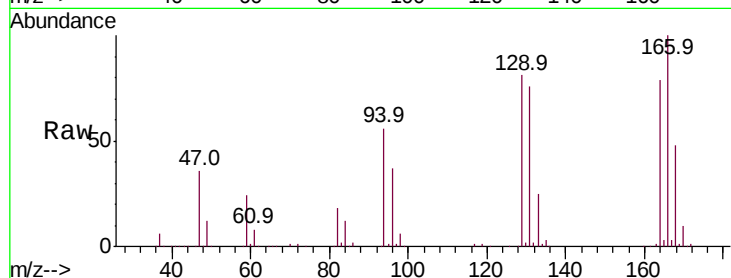
Acq: 28 May 2020 11:45

Instrument :

MSVOA\_V

ClientSampleId :

GAXD7



Tot Ion:164 Resp: 320490

Ion Ratio Lower Upper

164 100

129 102.6 70.7 131.3

131 97.2 66.6 123.8

166 127.1 86.9 161.5

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

