

Data File : VR026461.D  
Acq On : 5 Apr 2019 13:44  
Operator : SY/MD  
Sample : K2271-17  
Misc : 25mL/MSVOA\_R/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
DB7D8

Quant Time: Apr 06 05:58:52 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR040319WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Apr 06 05:54:53 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 481684   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.28 | 117  | 395633   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 112700   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.14   | 65    | 160300   | 4.38     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 87.60%  |
| 7) Chloroethane-d5             | 2.62   | 69    | 140755   | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 92.20%  |
| 11) 1,1-Dichloroethene-d2      | 3.60   | 63    | 312899   | 3.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.00%  |
| 20) 2-Butanone-d5              | 6.58   | 46    | 155121   | 47.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 95.08%  |
| 24) Chloroform-d               | 7.20   | 84    | 301106   | 4.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.60%  |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 126975   | 4.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.80%  |
| 32) Benzene-d6                 | 7.85   | 84    | 541757   | 4.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.60%  |
| 36) 1,2-Dichloropropane-d6     | 8.89   | 67    | 149442   | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.20%  |
| 41) Toluene-d8                 | 9.97   | 98    | 476054   | 4.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 84.00%  |
| 43) trans-1,3-Dichloropropene- | 10.23  | 79    | 29076    | 3.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 67.00%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 112861   | 48.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 96.92%  |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 55734    | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 87.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 89612    | 5.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 105.00% |

#### Target Compounds

|                         |       |    |       |              | Qvalue |
|-------------------------|-------|----|-------|--------------|--------|
| 13) Acetone             | 3.70  | 43 | 9464  | 2.870 ug/L   | 93     |
| 19) 1,1-Dichloroethane  | 5.69  | 63 | 6091  | 0.081 ug/L # | 93     |
| 25) Chloroform          | 7.23  | 83 | 20901 | 0.292 ug/L   | 81     |
| 27) 1,2-Dichloroethane  | 7.86  | 62 | 4484  | 0.125 ug/L   | 100    |
| 34) Trichloroethene     | 8.46  | 95 | 18055 | 0.436 ug/L # | 12     |
| 35) Methylcyclohexane   | 8.89  | 83 | 35834 | 0.607 ug/L # | 15     |
| 37) 1,2-Dichloropropane | 8.89  | 63 | 19368 | 0.572 ug/L # | 94     |
| 48) 2-Hexanone          | 10.59 | 43 | 18186 | 2.754 ug/L # | 79     |

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

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Instrument :  
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ClientSampleId :  
DB7D8

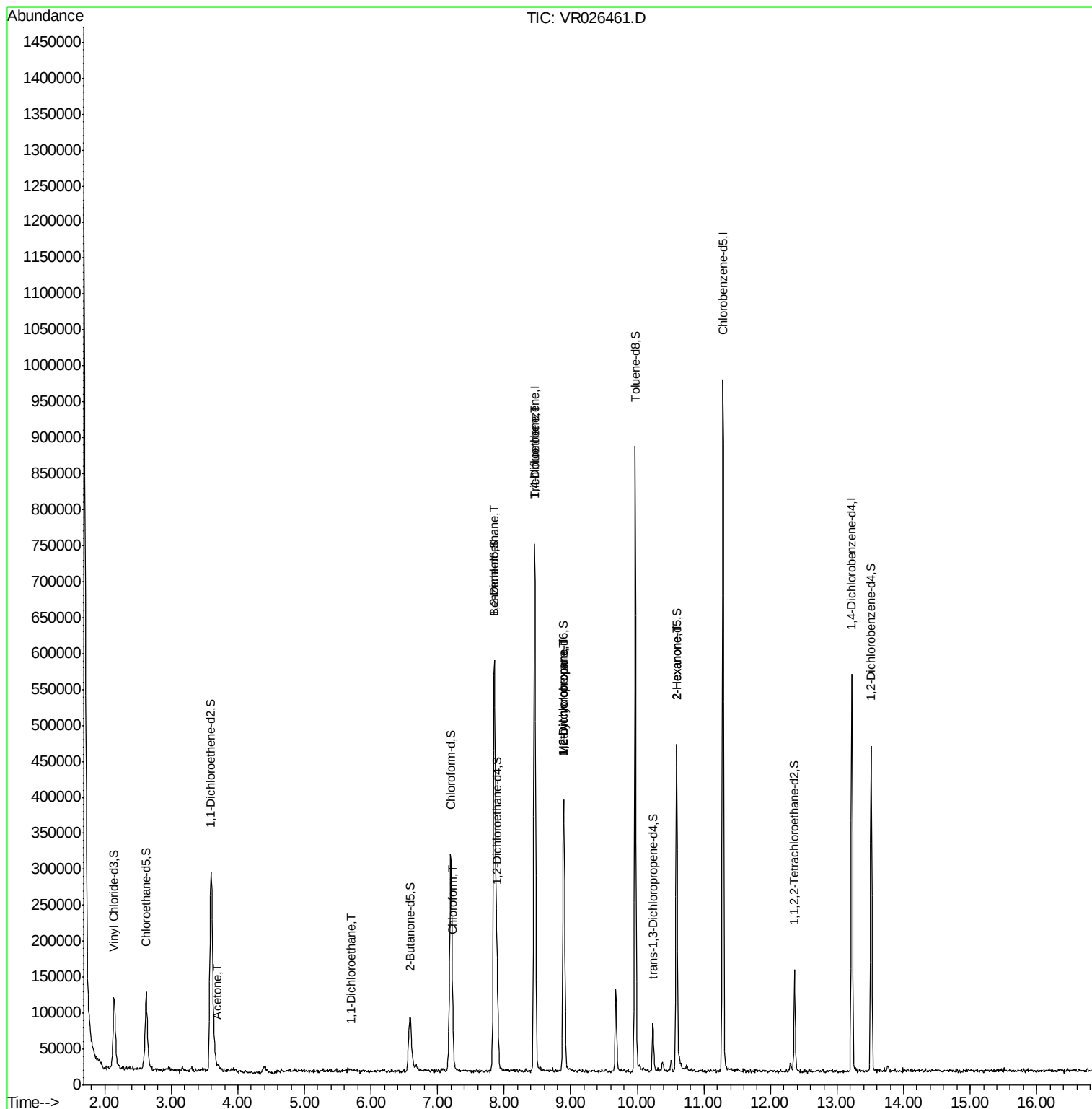
Quant Time: Apr 06 05:58:52 2019

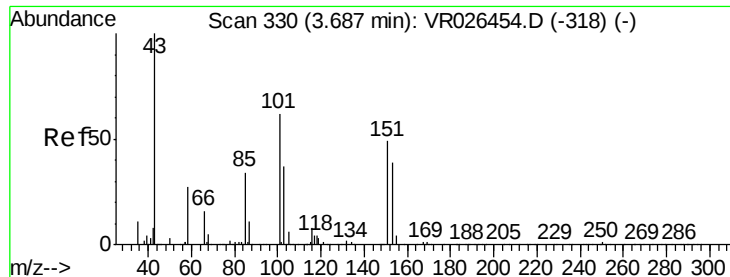
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR040319WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Sat Apr 06 05:54:53 2019

Response via : Initial Calibration





#13

Acetone

Concen: 2.870 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.01 min

Lab File: VR026461.D

Acq: 5 Apr 2019 13:44

Instrument :

MSVOA\_R

ClientSampleId :

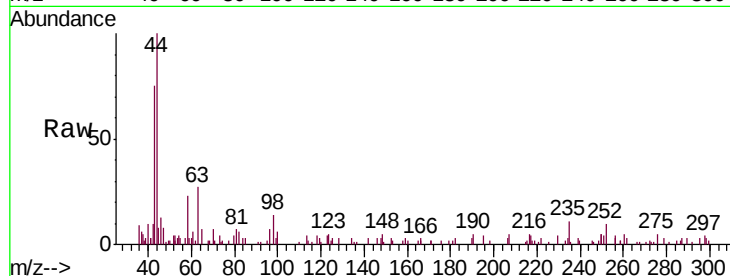
DB7D8

Tgt Ion: 43 Resp: 9464

Ion Ratio Lower Upper

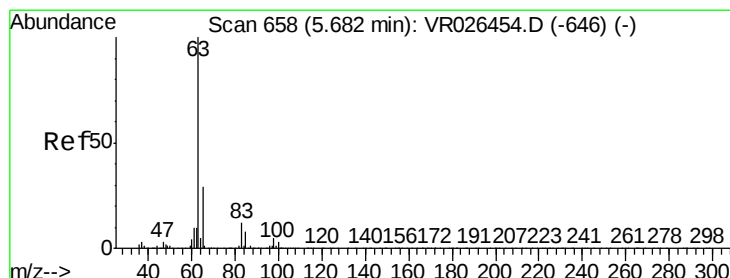
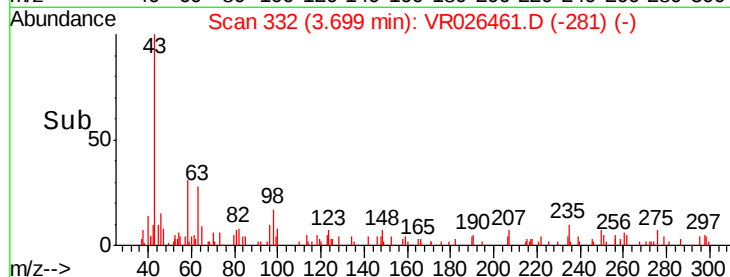
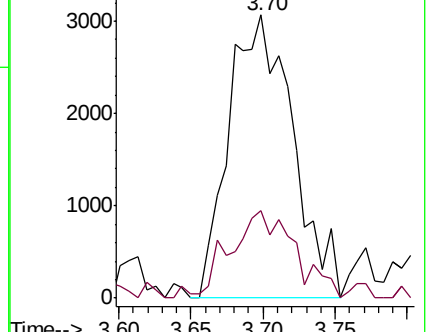
43 100

58 30.7 0.0 53.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#19

1,1-Dichloroethane

Concen: 0.081 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.01 min

Lab File: VR026461.D

Acq: 5 Apr 2019 13:44

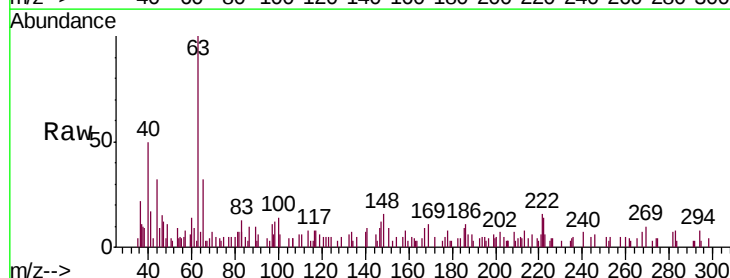
Tgt Ion: 63 Resp: 6091

Ion Ratio Lower Upper

63 100

65 32.0 22.0 40.8

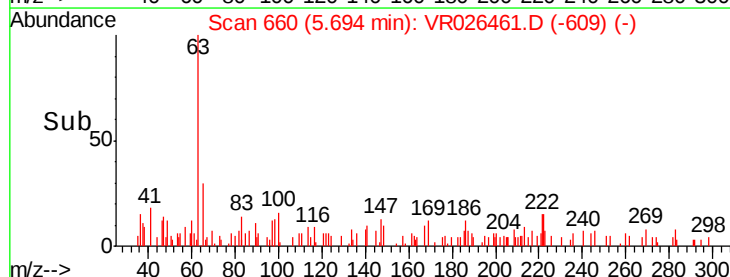
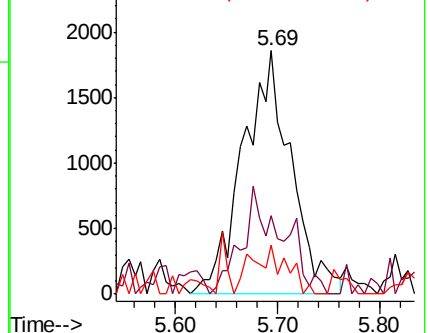
83 20.0 8.2 15.2#

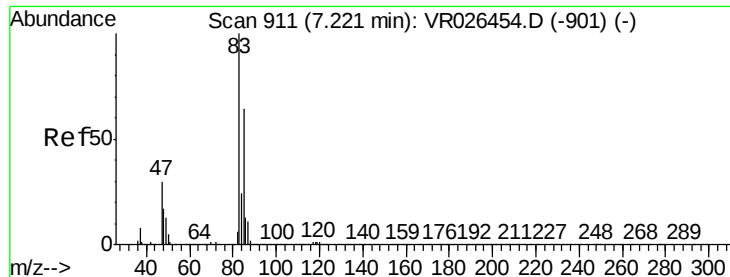


Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0





#25

Chloroform

Concen: 0.292 ug/L

RT: 7.23 min Scan# 912

Delta R.T. 0.01 min

Lab File: VR026461.D

Acq: 5 Apr 2019 13:44

Instrument :

MSVOA\_R

ClientSampled :

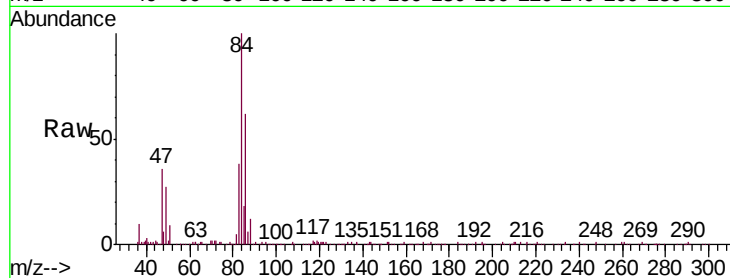
DB7D8

Tgt Ion: 83 Resp: 20901

Ion Ratio Lower Upper

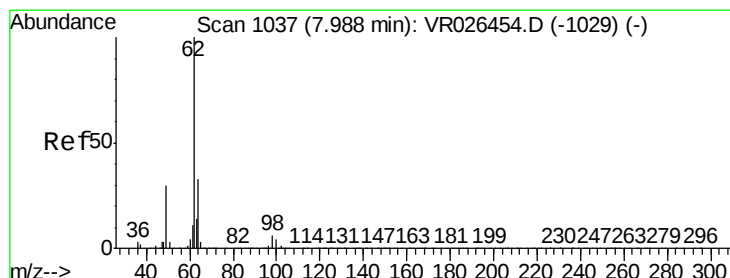
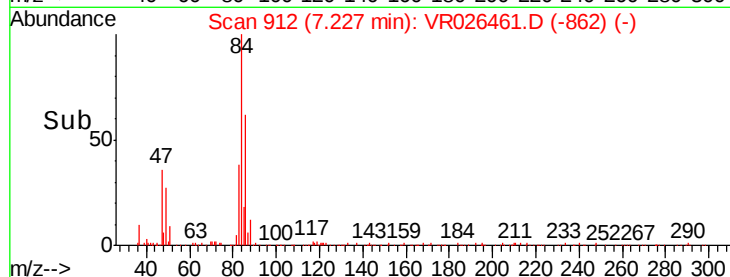
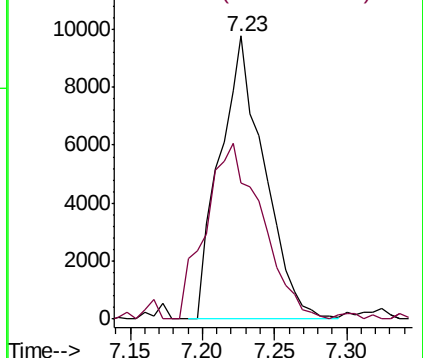
83 100

85 48.2 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 0.125 ug/L

RT: 7.86 min Scan# 1016

Delta R.T. -0.13 min

Lab File: VR026461.D

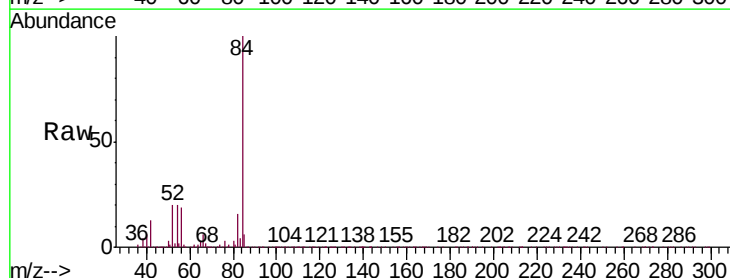
Acq: 5 Apr 2019 13:44

Tgt Ion: 62 Resp: 4484

Ion Ratio Lower Upper

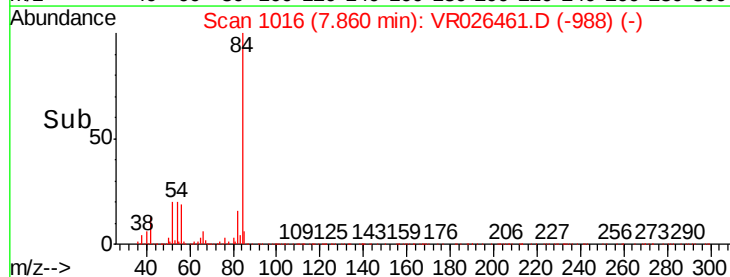
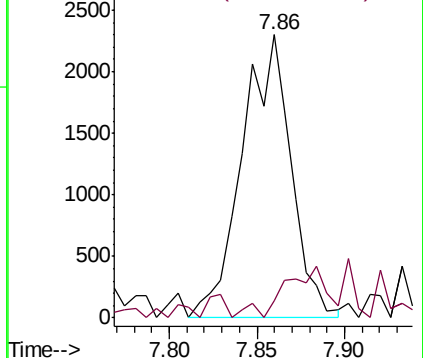
62 100

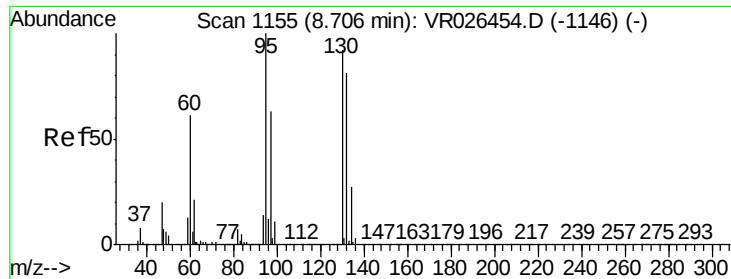
98 6.0 4.8 7.2



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0





#34

Trichloroethene

Concen: 0.436 ug/L

RT: 8.46 min Scan# 1114

Delta R.T. -0.25 min

Lab File: VR026461.D

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Instrument :

MSVOA\_R

ClientSampleId :

DB7D8

Tgt Ion: 95 Resp: 18055

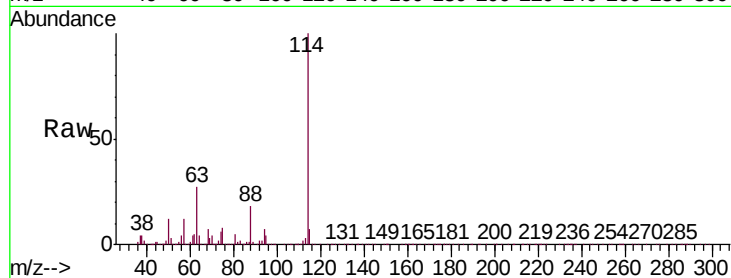
Ion Ratio Lower Upper

95 100

97 2.0 43.8 81.3#

132 2.1 57.2 106.2#

130 0.0 59.7 110.9#

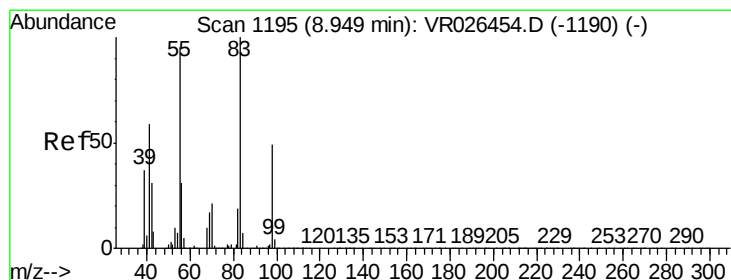
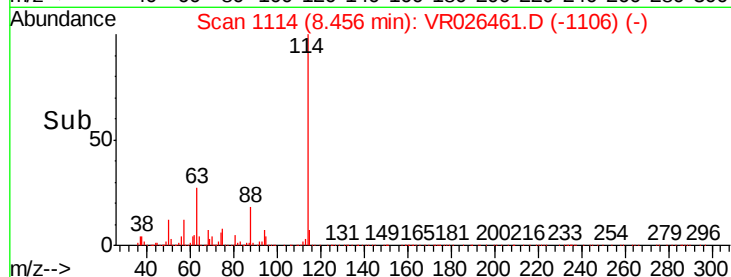
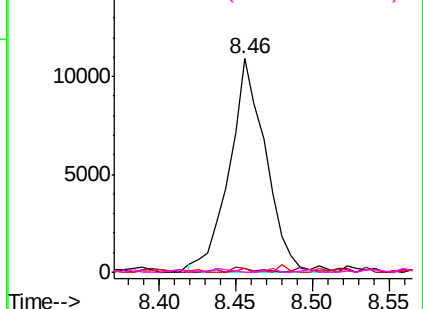


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.607 ug/L

RT: 8.89 min Scan# 1186

Delta R.T. -0.05 min

Lab File: VR026461.D

Acq: 5 Apr 2019 13:44

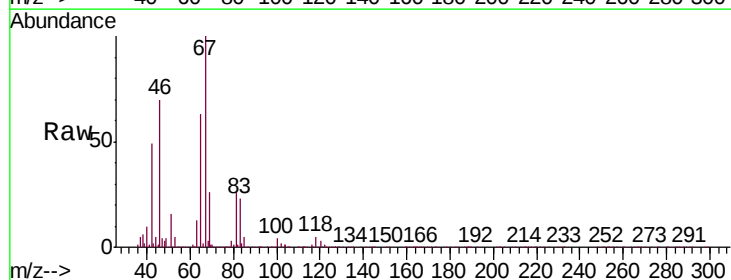
Tgt Ion: 83 Resp: 35834

Ion Ratio Lower Upper

83 100

55 1.7 73.8 110.6#

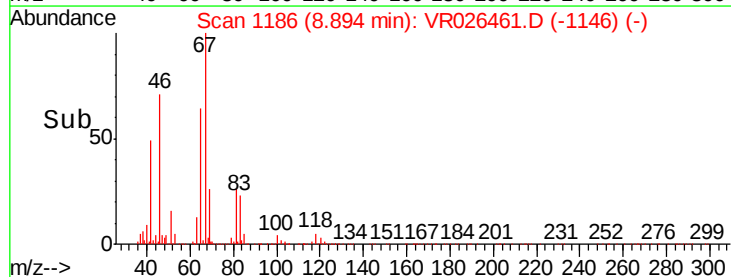
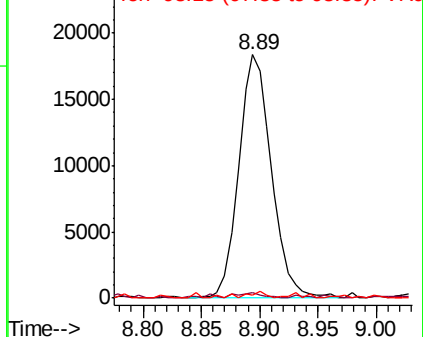
98 1.3 34.6 51.8#

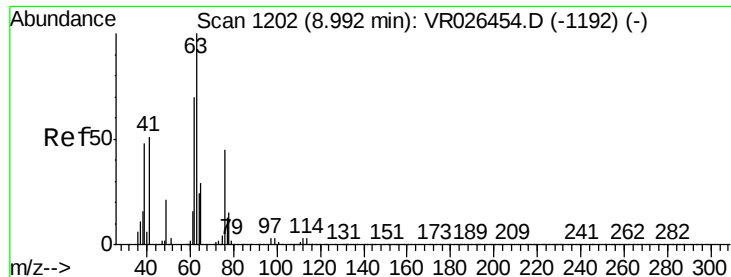


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

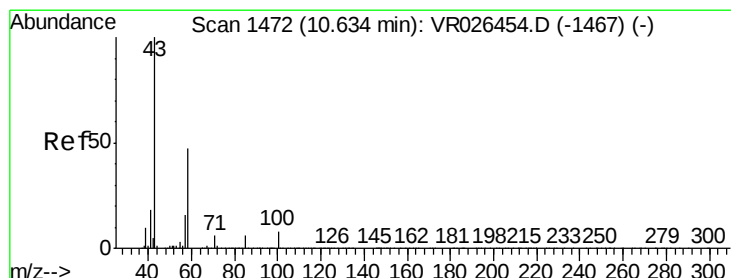
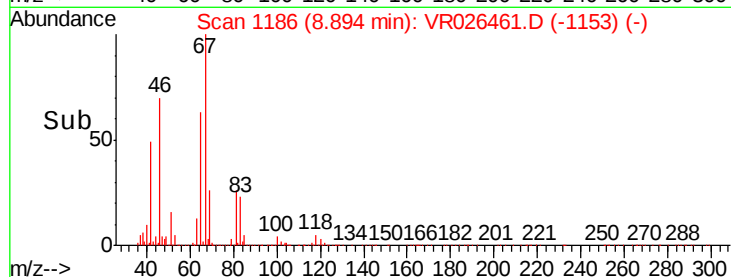
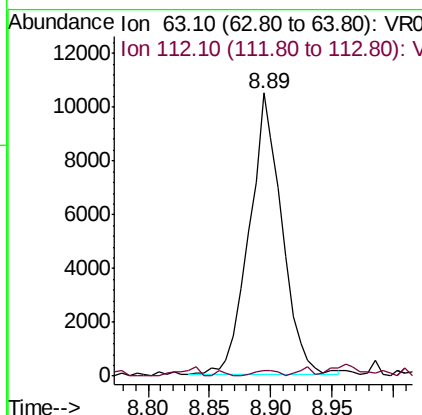
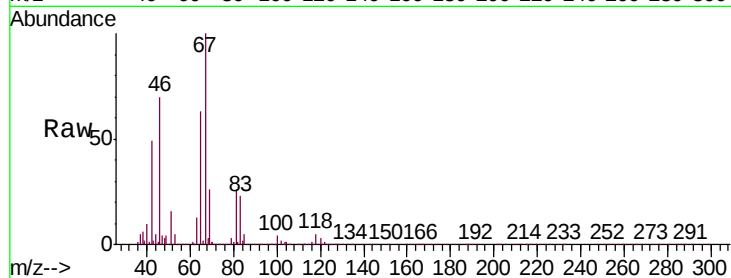




#37  
 1,2-Dichloropropane  
 Concen: 0.572 ug/L  
 RT: 8.89 min Scan# 1186  
 Delta R.T. -0.10 min  
 Lab File: VR026461.D  
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Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 DB7D8

Tgt Ion: 63 Resp: 19368  
 Ion Ratio Lower Upper  
 63 100  
 112 1.5 2.8 4.2#



#48  
 2-Hexanone  
 Concen: 2.754 ug/L  
 RT: 10.59 min Scan# 1465  
 Delta R.T. -0.04 min  
 Lab File: VR026461.D  
 Acq: 5 Apr 2019 13:44

Tgt Ion: 43 Resp: 18186  
 Ion Ratio Lower Upper  
 43 100  
 58 35.5 38.2 57.2#  
 57 33.7 13.8 20.6#  
 100 6.3 6.2 9.2

