

Data File : VR026422.D  
Acq On : 28 Feb 2019 16:50  
Operator : SY/MD  
Sample : K1588-12  
Misc : 25mL/MSVOA\_R/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
C09Q0

Quant Time: Mar 01 06:34:58 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR022219WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Mar 01 06:30:52 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 464686   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.28 | 117  | 372567   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 110621   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.14   | 65    | 193061   | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 85.00%  |
| 7) Chloroethane-d5             | 2.62   | 69    | 173702   | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.20%  |
| 11) 1,1-Dichloroethene-d2      | 3.60   | 63    | 383646   | 3.60     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 72.00%  |
| 20) 2-Butanone-d5              | 6.58   | 46    | 192128   | 57.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 115.82% |
| 24) Chloroform-d               | 7.20   | 84    | 354624   | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.80%  |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 151452   | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.80% |
| 32) Benzene-d6                 | 7.85   | 84    | 647837   | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.60%  |
| 36) 1,2-Dichloropropane-d6     | 8.89   | 67    | 176623   | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.60%  |
| 41) Toluene-d8                 | 9.97   | 98    | 612273   | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.00%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 39700    | 4.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.80%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 150784   | 63.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 127.60% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 63278    | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 109414   | 5.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 114.60% |

#### Target Compounds

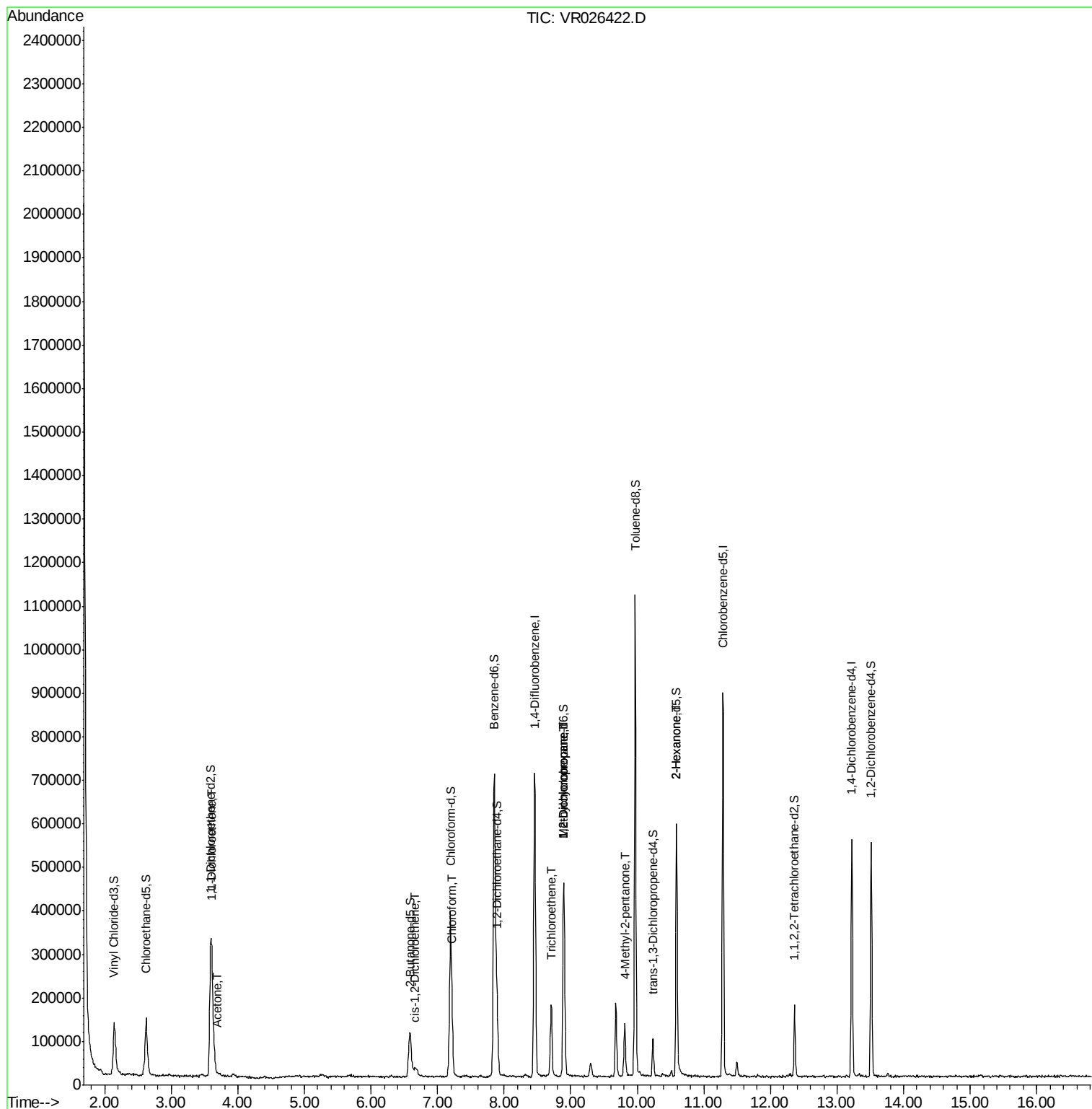
|                            |       |    |       |              | Qvalue |
|----------------------------|-------|----|-------|--------------|--------|
| 12) 1,1-Dichloroethene     | 3.61  | 96 | 4970  | 0.122 ug/L # | 1      |
| 13) Acetone                | 3.70  | 43 | 6298  | 2.110 ug/L   | 94     |
| 22) cis-1,2-Dichloroethene | 6.66  | 96 | 8385  | 0.270 ug/L # | 93     |
| 25) Chloroform             | 7.22  | 83 | 13458 | 0.207 ug/L   | 94     |
| 34) Trichloroethene        | 8.71  | 95 | 50227 | 1.394 ug/L   | 94     |
| 35) Methylcyclohexane      | 8.89  | 83 | 43685 | 0.855 ug/L # | 16     |
| 37) 1,2-Dichloropropane    | 8.89  | 63 | 24980 | 0.822 ug/L # | 90     |
| 40) 4-Methyl-2-pentanone   | 9.81  | 43 | 51629 | 6.210 ug/L # | 52     |
| 48) 2-Hexanone             | 10.59 | 43 | 26604 | 4.631 ug/L # | 68     |

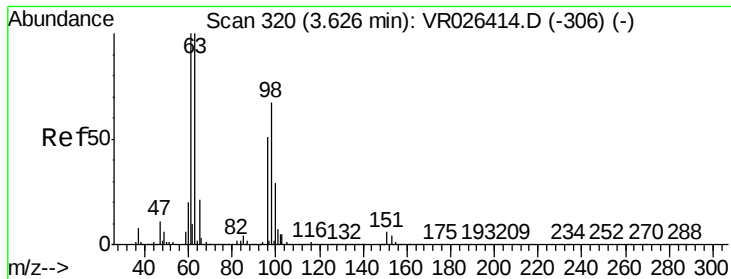
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.122 ug/L

RT: 3.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VR026422.D

Acq: 28 Feb 2019 16:50

Instrument :

MSVOA\_R

ClientSampleId :

C09Q0

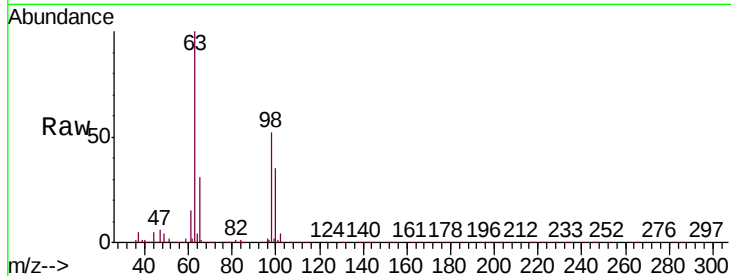
Tgt Ion: 96 Resp: 4970

Ion Ratio Lower Upper

96 100

61 968.3 135.9 252.5#

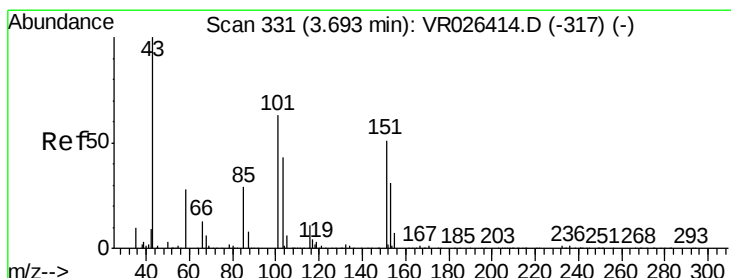
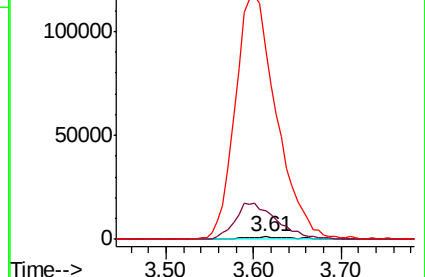
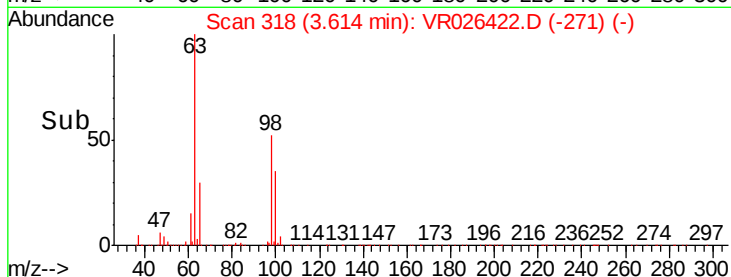
63 6485.6 136.6 253.6#



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0



#13

Acetone

Concen: 2.110 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.01 min

Lab File: VR026422.D

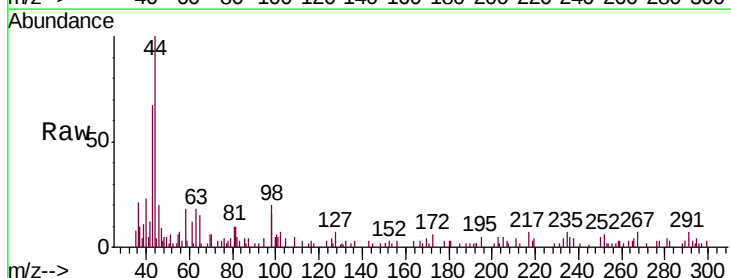
Acq: 28 Feb 2019 16:50

Tgt Ion: 43 Resp: 6298

Ion Ratio Lower Upper

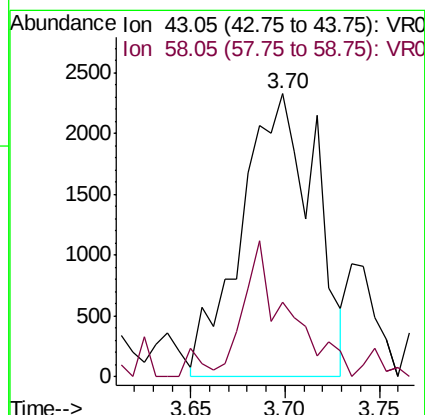
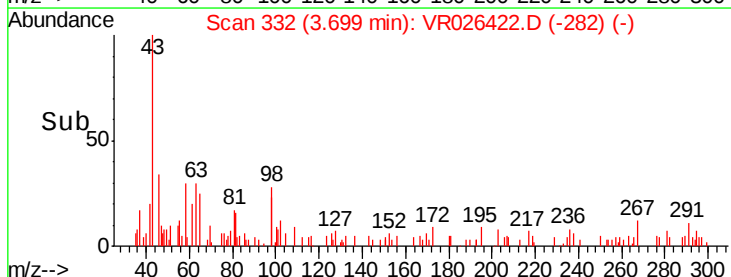
43 100

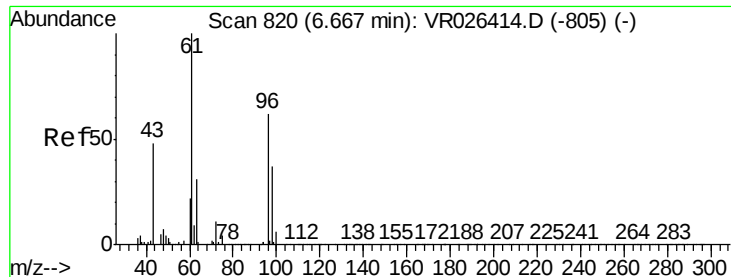
58 28.9 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0





#22

cis-1,2-Dichloroethene

Concen: 0.270 ug/L

RT: 6.66 min Scan# 819

Delta R.T. -0.01 min

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Instrument :

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ClientSampleId :

C09Q0

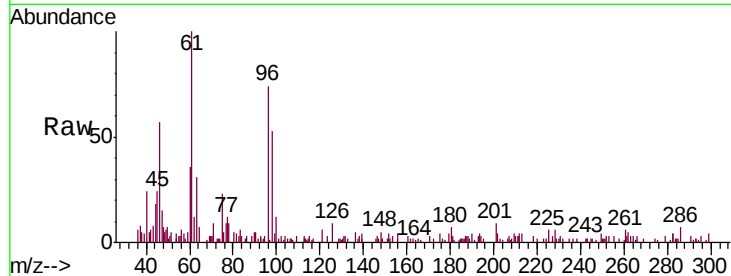
Tgt Ion: 96 Resp: 8385

Ion Ratio Lower Upper

96 100

61 135.6 100.8 187.2

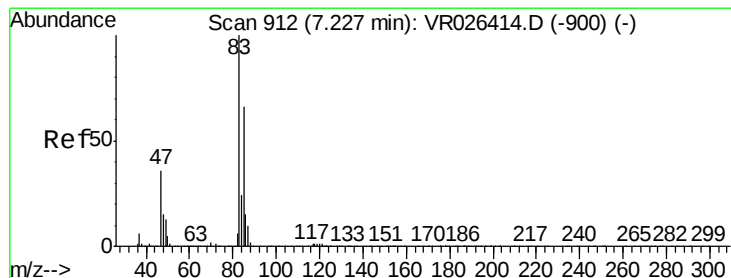
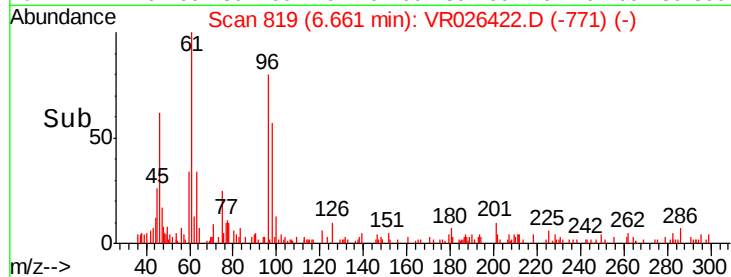
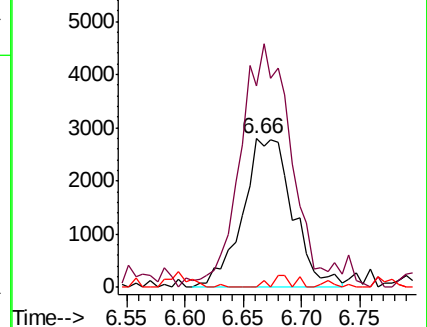
68 0.0 0.1 0.1#



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0



#25

Chloroform

Concen: 0.207 ug/L

RT: 7.22 min Scan# 911

Delta R.T. -0.01 min

Lab File: VR026422.D

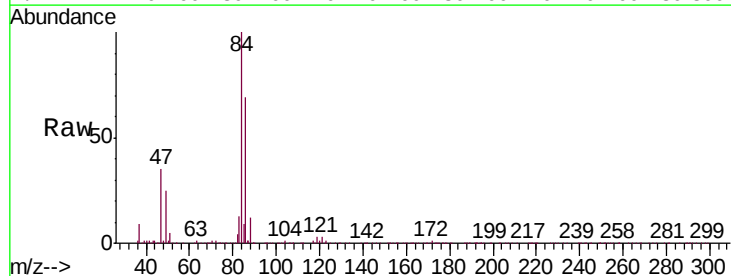
Acq: 28 Feb 2019 16:50

Tgt Ion: 83 Resp: 13458

Ion Ratio Lower Upper

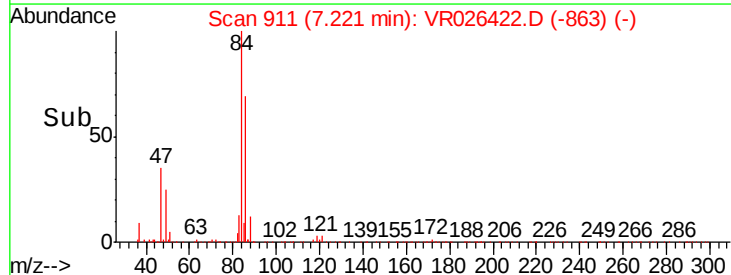
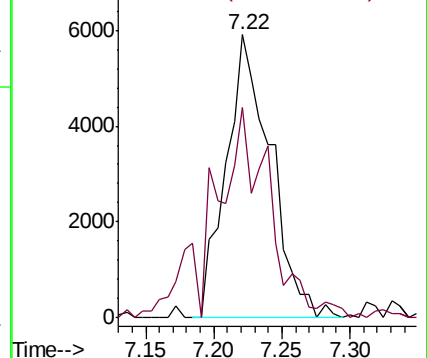
83 100

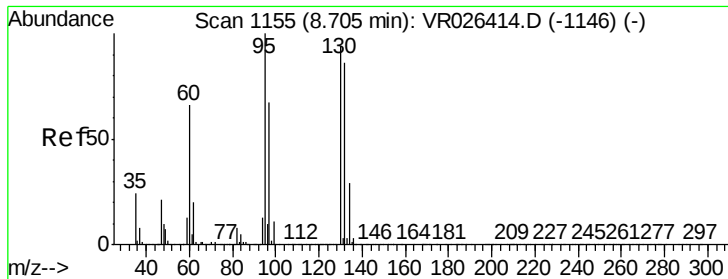
85 74.5 48.6 90.2



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0





#34

Trichloroethene

Concen: 1.394 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR026422.D

Acq: 28 Feb 2019 16:50

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C09Q0

Tgt Ion: 95 Resp: 50227

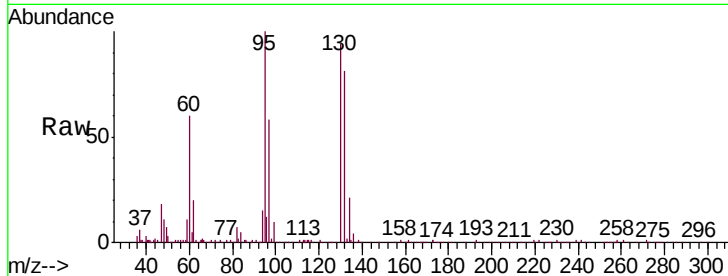
Ion Ratio Lower Upper

95 100

97 58.2 43.5 80.7

132 80.8 58.6 108.8

130 94.0 59.4 110.2

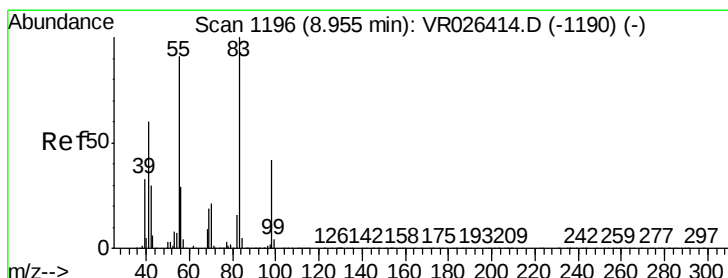
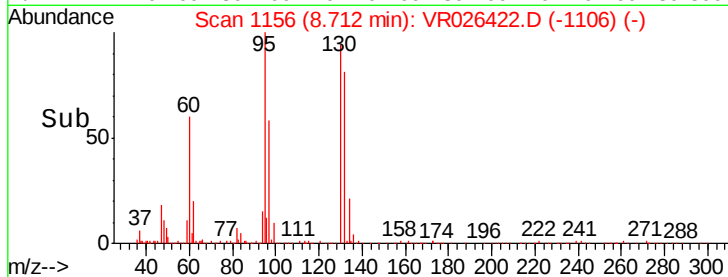
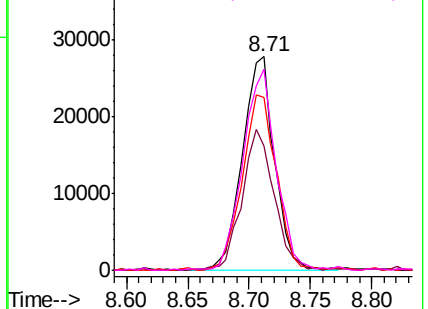


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.855 ug/L

RT: 8.89 min Scan# 1186

Delta R.T. -0.06 min

Lab File: VR026422.D

Acq: 28 Feb 2019 16:50

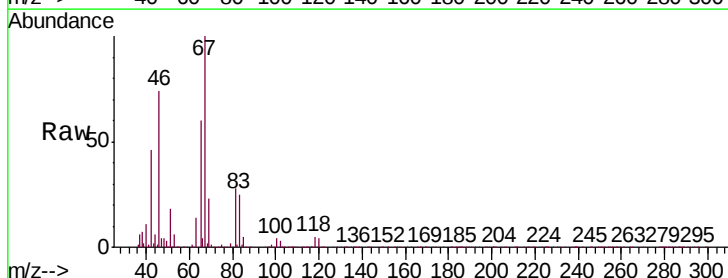
Tgt Ion: 83 Resp: 43685

Ion Ratio Lower Upper

83 100

55 1.7 72.2 108.2#

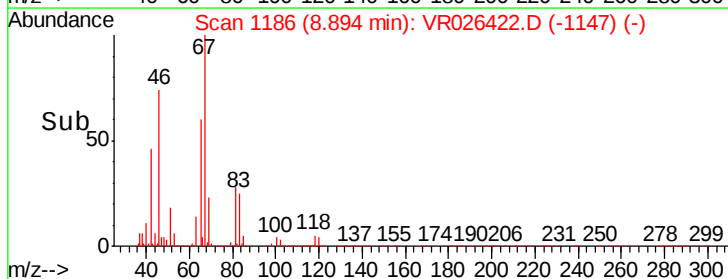
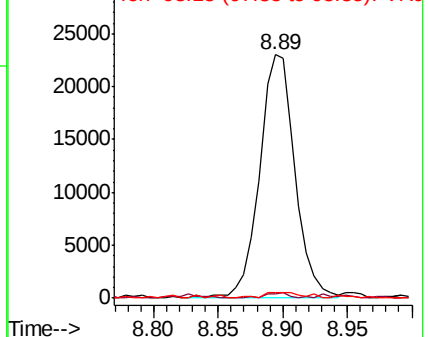
98 2.8 35.0 52.4#

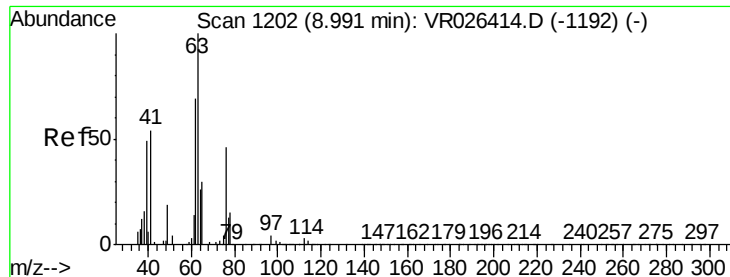


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

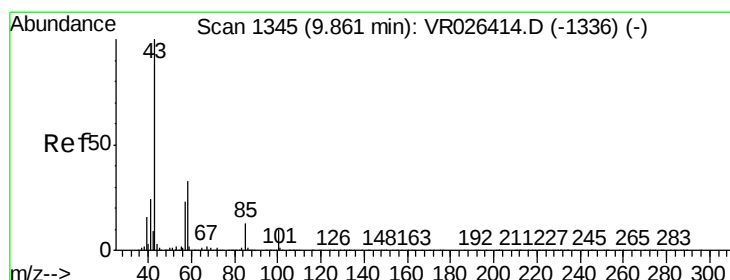
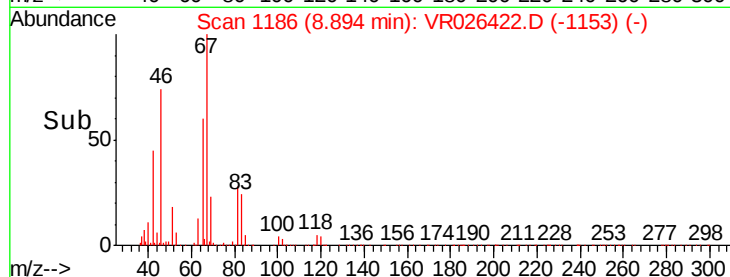
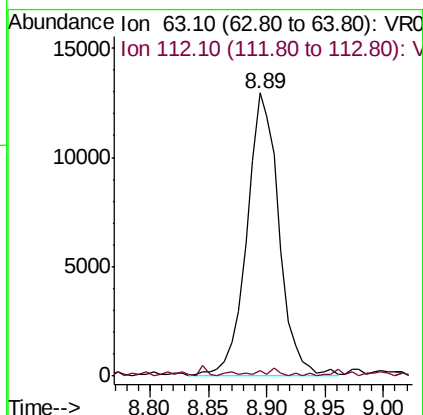
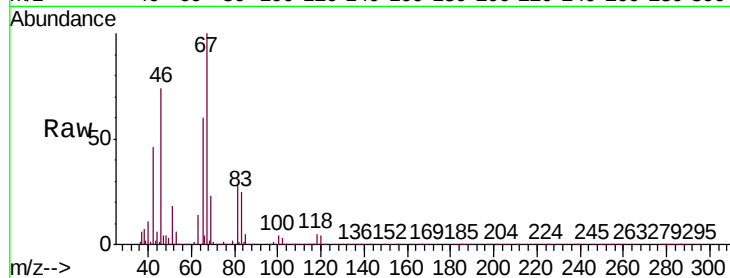




#37  
 1,2-Dichloropropane  
 Concen: 0.822 ug/L  
 RT: 8.89 min Scan# 1186  
 Delta R.T. -0.10 min  
 Lab File: VR026422.D  
 Acq: 28 Feb 2019 16:50

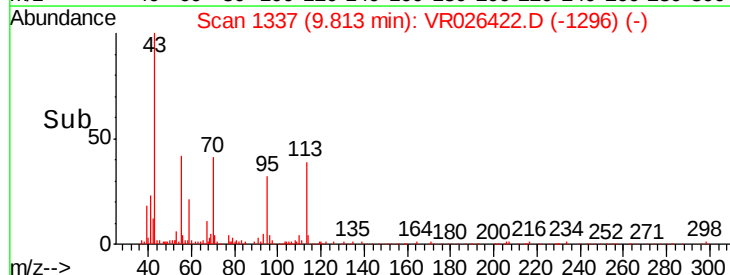
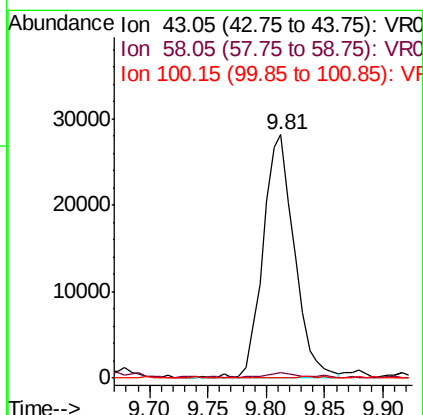
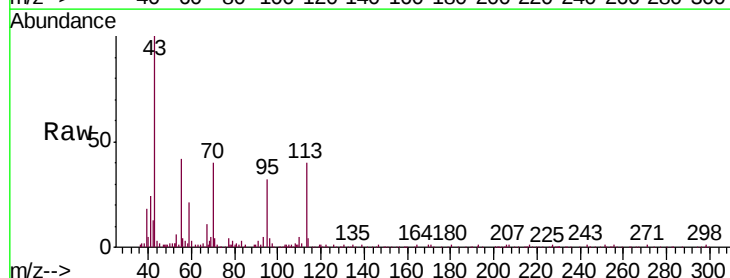
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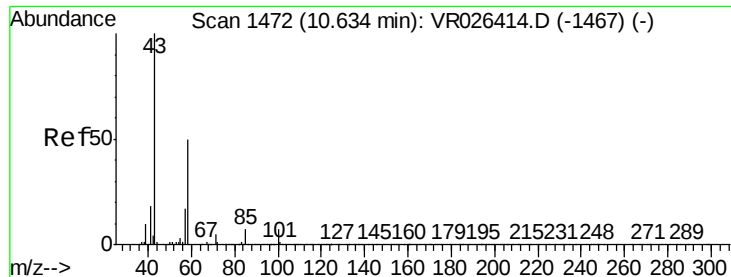
Tgt Ion: 63 Resp: 24980  
 Ion Ratio Lower Upper  
 63 100  
 112 1.2 3.6 5.4#



#40  
 4-Methyl-2-pentanone  
 Concen: 6.210 ug/L  
 RT: 9.81 min Scan# 1337  
 Delta R.T. -0.05 min  
 Lab File: VR026422.D  
 Acq: 28 Feb 2019 16:50

Tgt Ion: 43 Resp: 51629  
 Ion Ratio Lower Upper  
 43 100  
 58 2.6 26.7 40.1#  
 100 0.0 8.4 12.6#





#48

2-Hexanone

Concen: 4.631 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

Lab File: VR026422.D

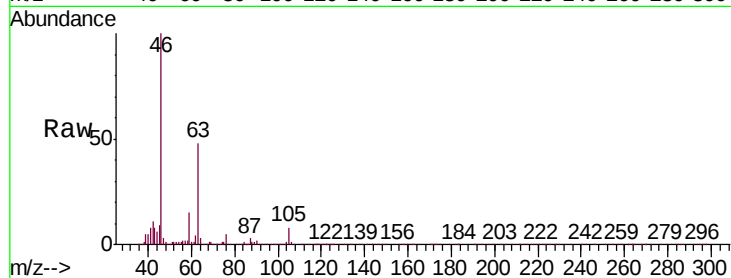
Acq: 28 Feb 2019 16:50

Instrument :

MSVOA\_R

ClientSampleId :

C09Q0



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 26604 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 24.2  | 38.4  | 57.6# |
| 57       | 30.2  | 13.2  | 19.8# |
| 100      | 4.5   | 6.3   | 9.5#  |

