GC-MS/7890A GC System/5975C Inert MSD
**Getting Started:**

Click on ChemStation software named as Ethyl.

The control panel view window looks like this:
**Edit Parameters:**

To make a method for your experiment follow the steps below.

**Step 1**

Click on the Edit Parameter Icon.

Click OK.
Step 2: Select OK.

Edit your method by programming the Temperature Ramp.
Step 3:
Select OK.

Step 4
Select atune.u and select OK.
Step 5
Save your file by giving a name to the method. For Example: Your name the date-XXXX_04/02/2012. Select OK.

Step 6
Select MS parameter icon
It is very important to choose the right solvent delay for your method. Select Acq Mode: SIM/Scan.
Edit Scan Mode

Scanning Mass Range | Threshold and Sampling Rates | Plotting

- **Scan Group 1**
  - Start Time [minutes]: 4.00
  - Start at Mass... [amu]: 45.00
  - End at Mass... [amu]: 450.00

- **Scan Group 2**
  - Not selected

- **Scan Group 3**
  - Not selected

**Summary of Settings**

<table>
<thead>
<tr>
<th>Group</th>
<th>Start Time</th>
<th>Low Mass</th>
<th>High Mass</th>
<th>Threshold</th>
<th>Samples</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4.00</td>
<td>45.00</td>
<td>450.00</td>
<td>150</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

Group 1 must always exist. Group 2 is optional. Group 3 is optional, but only if group 2 already exists.
Edit SIM Mode

The Edit SIM Parameters window is displayed with various options for adjusting SIM mode settings. The window contains fields for setting the group and start time, as well as a table for specifying m/z, dwell time, and plot settings. Directions are provided on how to edit a group or add a new group. The mass must be within the range of 150 to 800.
Step 7
Edit Sequence Table

Make your folder in C:\mschem\2\DATA. Browse for your folder here. Your sequence will be saved in this folder.

Right click on the cell to select and browse for the method.

Number this according where your sample is on carousel.

Make sure that sample and data file have the same name.

After completing the table select OK.
Step 8
Run Sequence