**Chem 1140**

**Wavenumbers (cm⁻¹)**

<table>
<thead>
<tr>
<th>Wavenumber (cm⁻¹)</th>
<th>%Transmittance</th>
</tr>
</thead>
<tbody>
<tr>
<td>3053.35</td>
<td>70</td>
</tr>
<tr>
<td>2960.77</td>
<td>60</td>
</tr>
<tr>
<td>2850.36</td>
<td>50</td>
</tr>
<tr>
<td>2305.59</td>
<td>40</td>
</tr>
<tr>
<td>1693.11</td>
<td>30</td>
</tr>
<tr>
<td>1448.38</td>
<td>20</td>
</tr>
<tr>
<td>1265.37</td>
<td>10</td>
</tr>
<tr>
<td>738.37</td>
<td>0</td>
</tr>
<tr>
<td>704.87</td>
<td>80</td>
</tr>
</tbody>
</table>

**FIND PEAKS:**

- **Spectrum:** rxn1
- **Region:** 4000.00 400.00
- **Absolute threshold:** 74.795
- **Sensitivity:** 50

**Peak list:**

<table>
<thead>
<tr>
<th>Position</th>
<th>Intensity</th>
</tr>
</thead>
<tbody>
<tr>
<td>704.87</td>
<td>8.015</td>
</tr>
<tr>
<td>738.37</td>
<td>0.466</td>
</tr>
<tr>
<td>895.91</td>
<td>57.471</td>
</tr>
<tr>
<td>1037.36</td>
<td>65.244</td>
</tr>
<tr>
<td>1070.69</td>
<td>58.251</td>
</tr>
<tr>
<td>1088.16</td>
<td>52.838</td>
</tr>
<tr>
<td>1119.17</td>
<td>51.730</td>
</tr>
<tr>
<td>1185.19</td>
<td>67.652</td>
</tr>
</tbody>
</table>
Reaction:

$\text{Co[CH(CH_3)_2](dmsoH)_2 (py) - CDCl}_3$
Chem 1140

Wavenumbers (cm\(^{-1}\))

%Transmittance

Wed Mar 23 14:24:35 2005 (GMT-05:00)

FIND PEAKS:

Spectrum:  rxn-2
Region:  4000.00  400.00
Absolute threshold: 71.391
Sensitivity:  72
Peak list:

Position:  409.33  Intensity:  0.0751
Position:  422.12  Intensity:  0.313
Position:  440.23  Intensity:  0.233
Position:  464.09  Intensity:  0.288
Position:  658.90  Intensity:  61.935
Position:  961.96  Intensity:  50.392
Position:  1033.40  Intensity:  27.234
Position:  1087.72  Intensity:  50.226