

## Supporting Information (Part II) for the Article entitled

### Access to “Friedel-Crafts-restricted” *tert*-alkyl aromatics by activation/methylation of tertiary benzylic alcohols

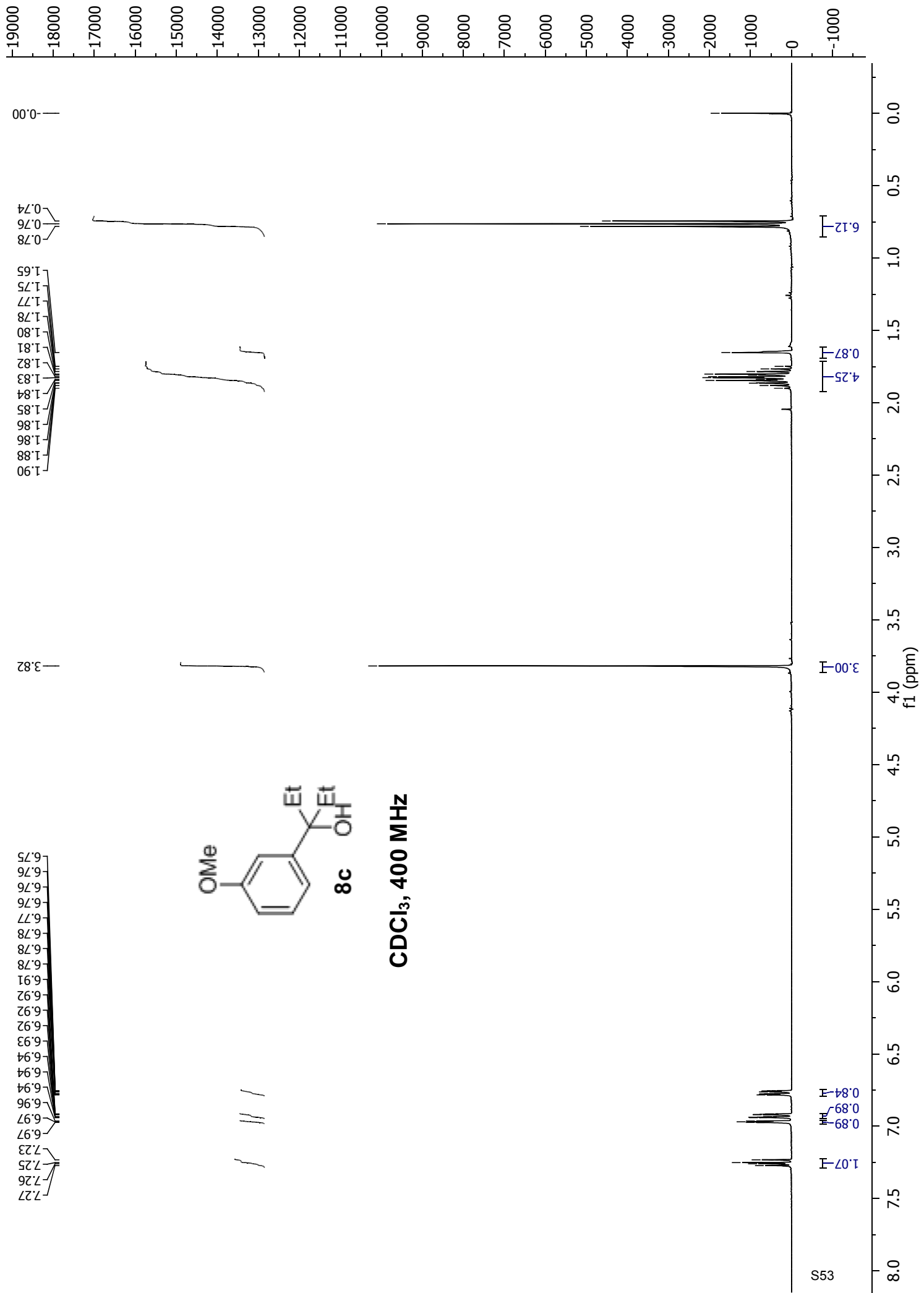
Joshua A. Hartsel, Derek T. Craft, Qiao-Hong Chen, Ming Ma, and Paul R. Carlier\*

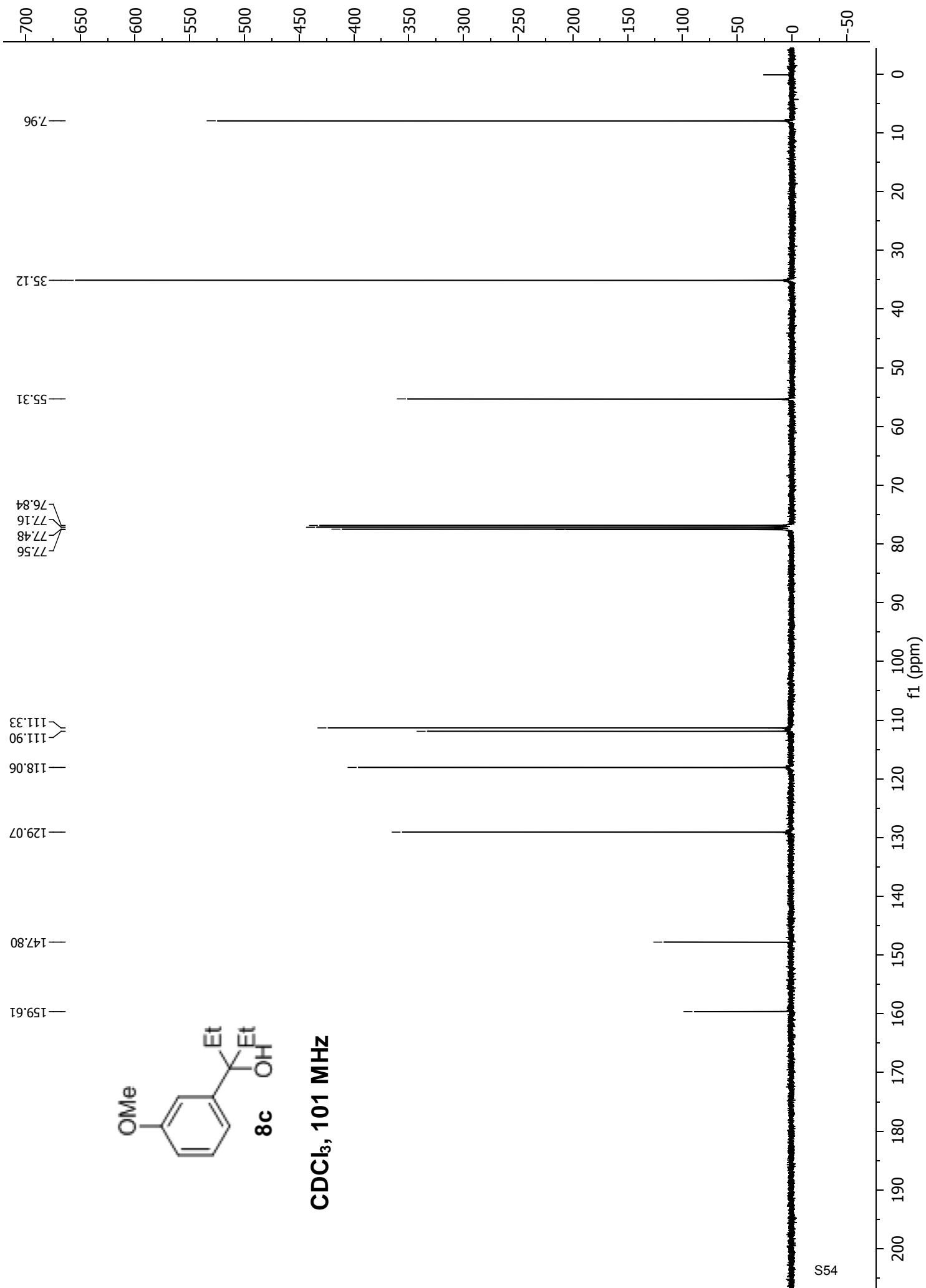
*Department of Chemistry, Virginia Tech, Blacksburg, Virginia 24061*

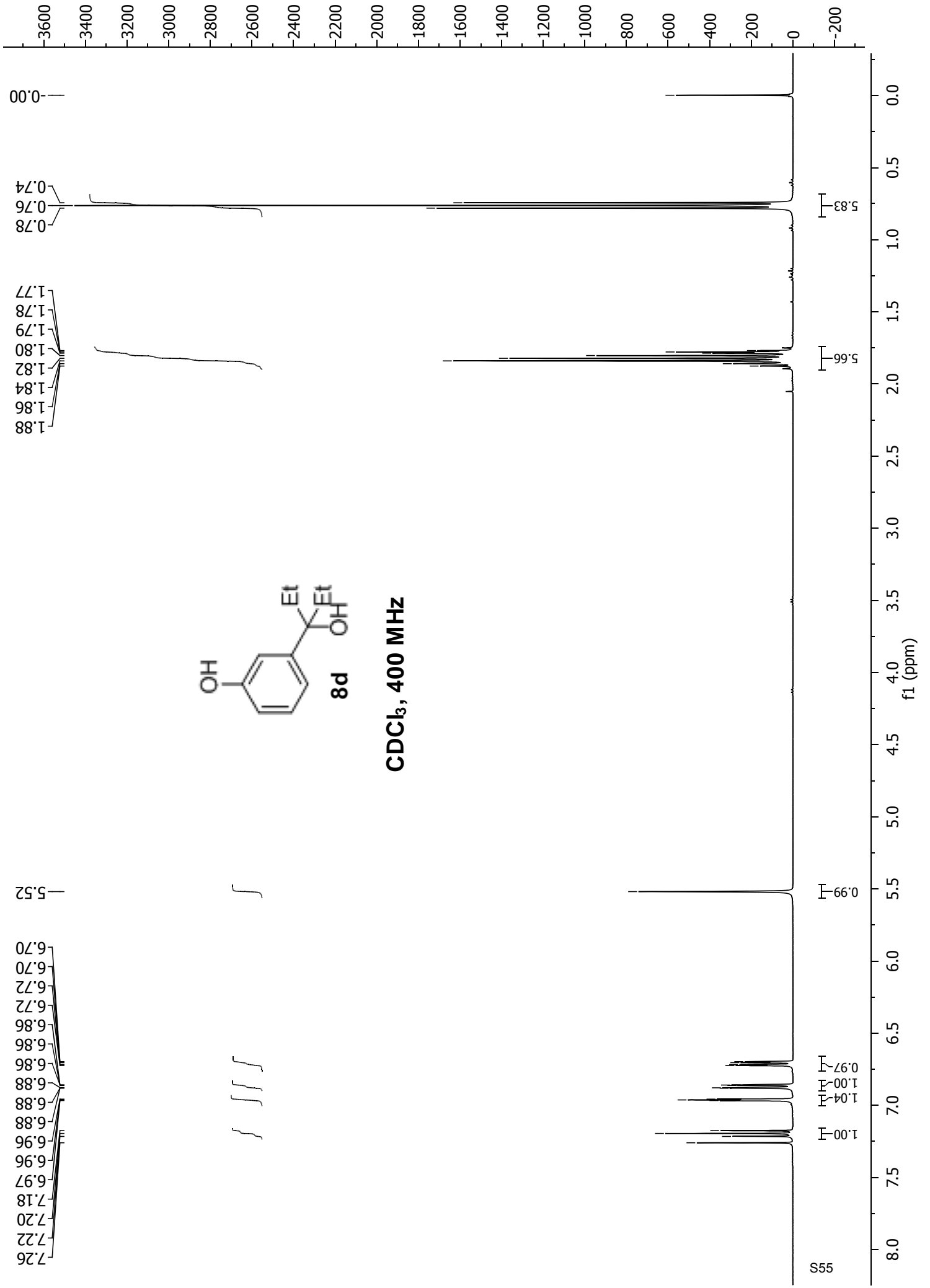
[pcarlier@vt.edu](mailto:pcarlier@vt.edu)

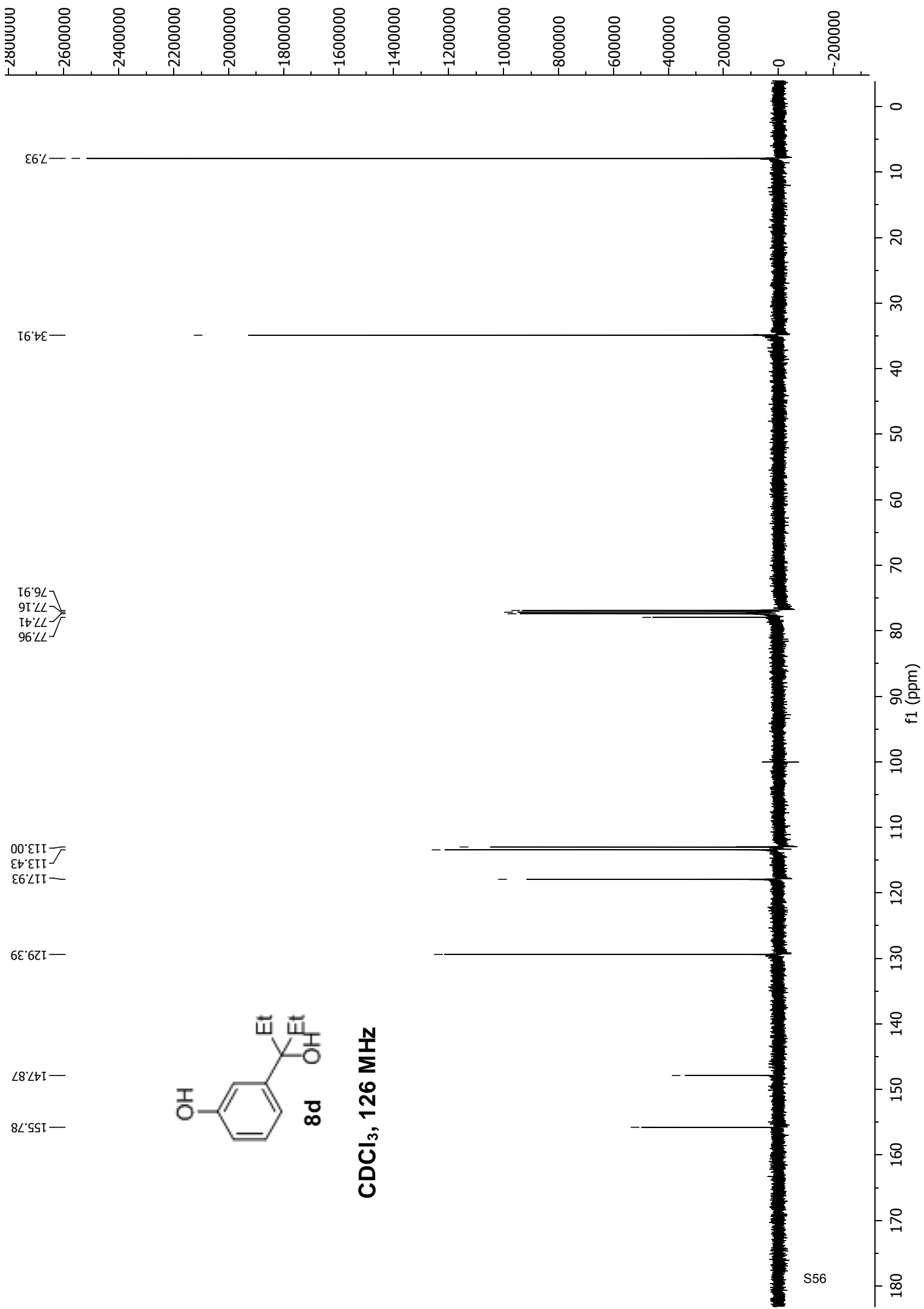
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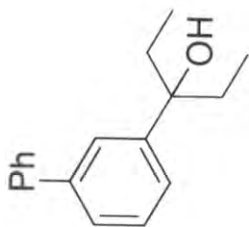
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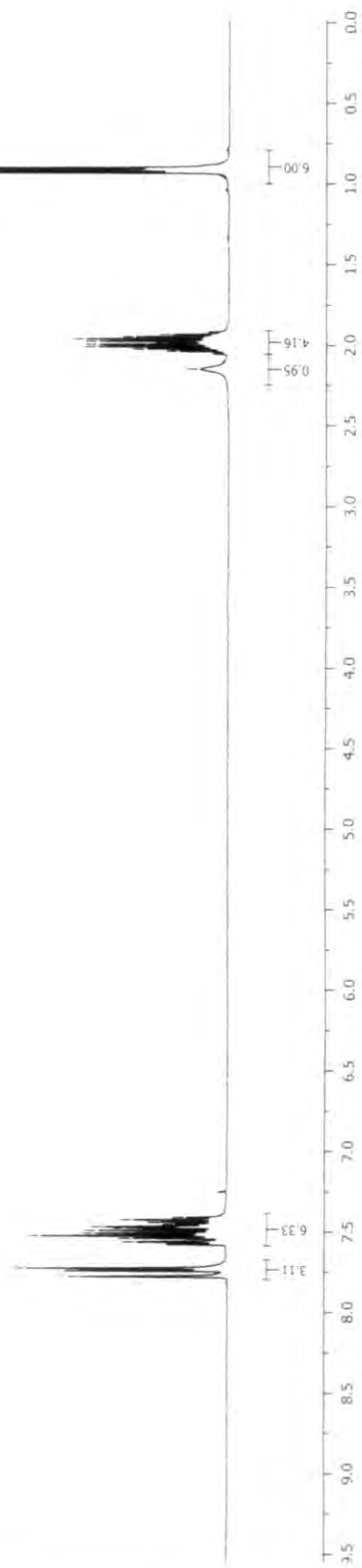
8g

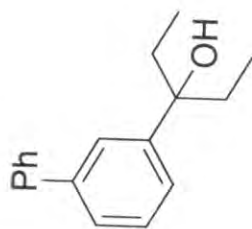
CDCl<sub>3</sub>, 500 MHz

0.9310  
0.9164  
0.9014

1.9314  
1.9451  
1.9595  
1.9741  
1.9788  
1.9892  
1.9944  
2.0090  
2.0231  
2.0375  
2.1493

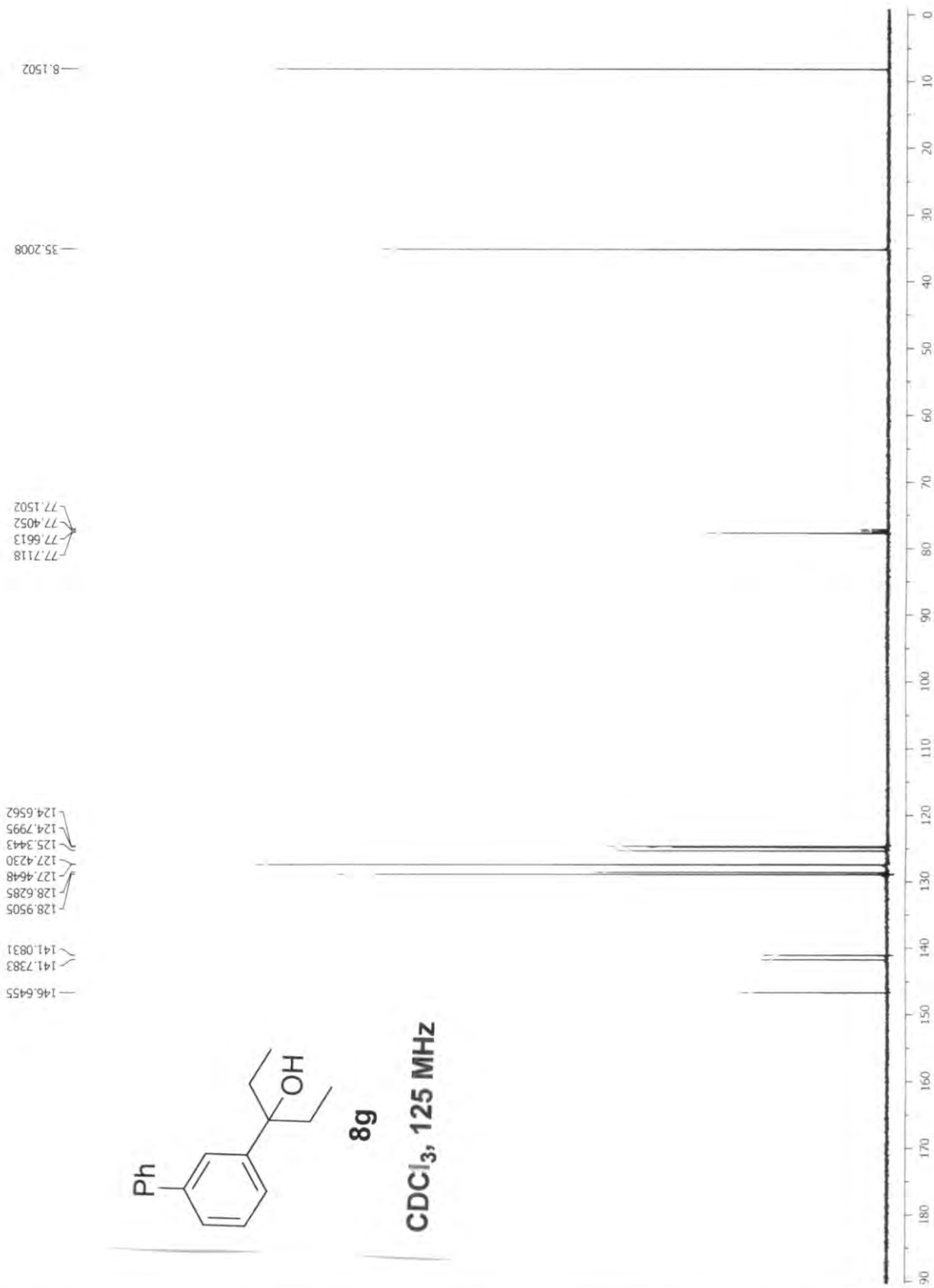
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7.4113  
7.4251  
7.4390  
7.4407  
7.4532  
7.4565  
7.4678  
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7.4768  
7.4914  
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7.5624  
7.7249  
7.7398  
7.7411  
7.7771

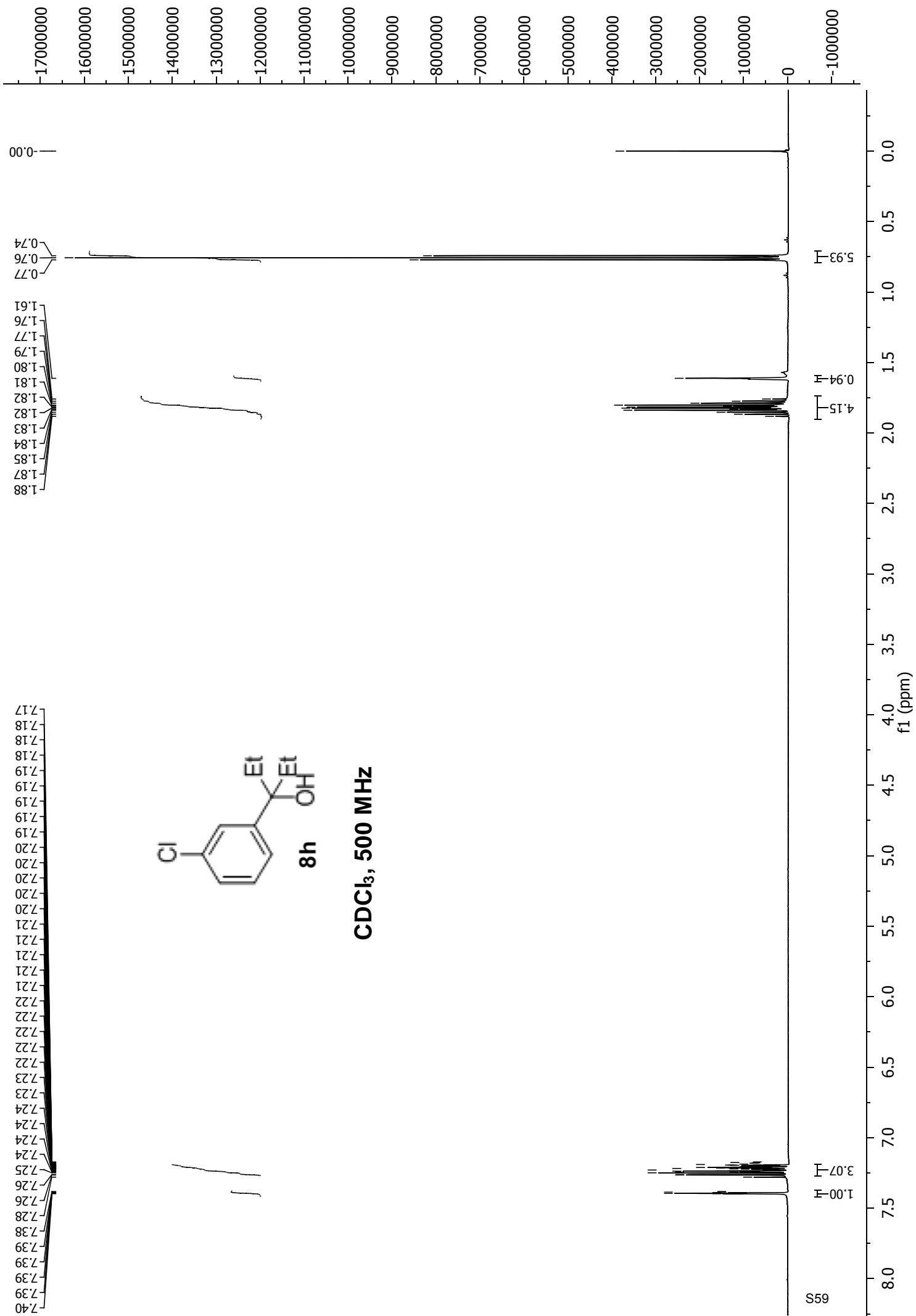




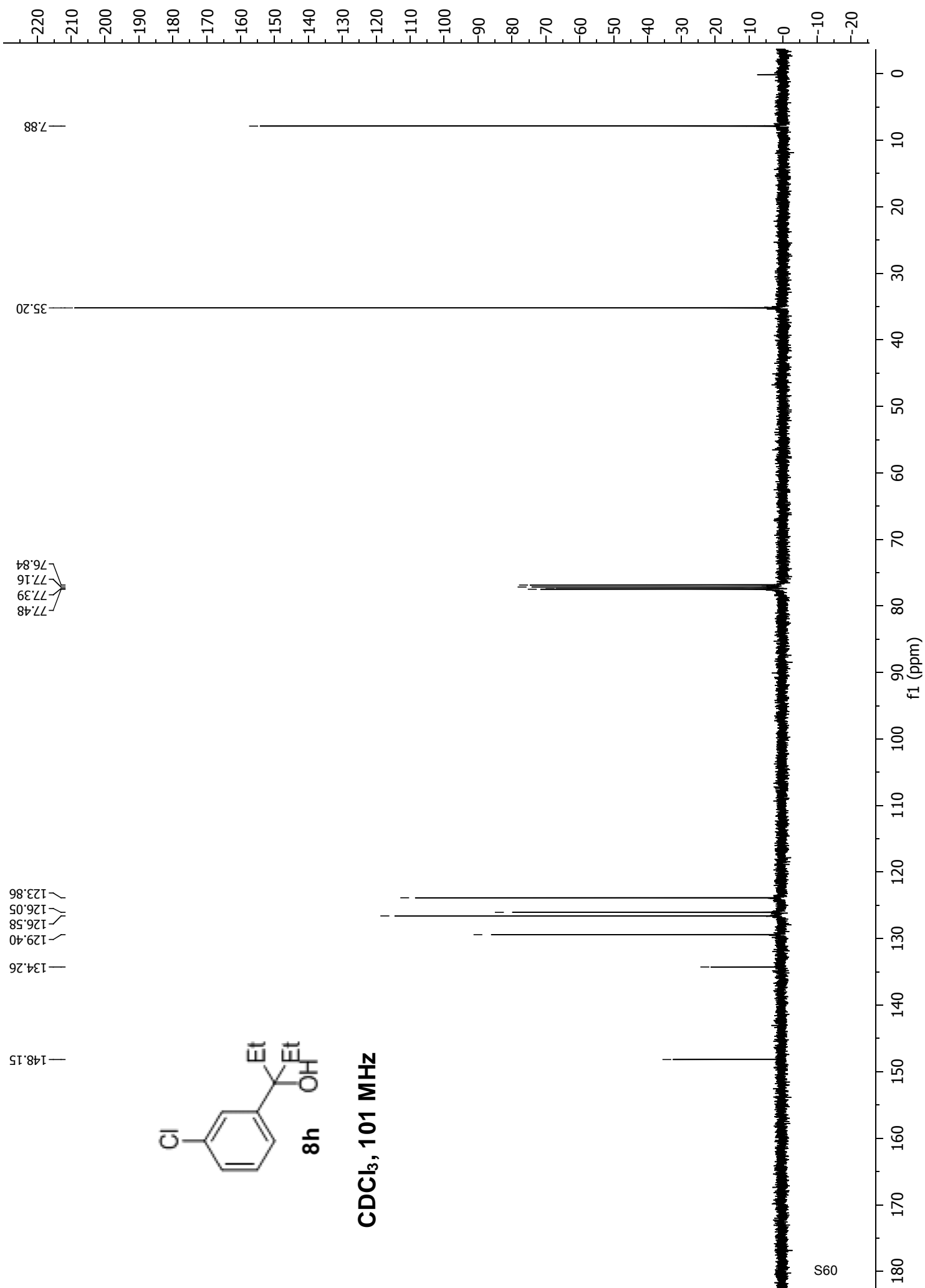
8g

CDCI<sub>3</sub>, 125 MHz



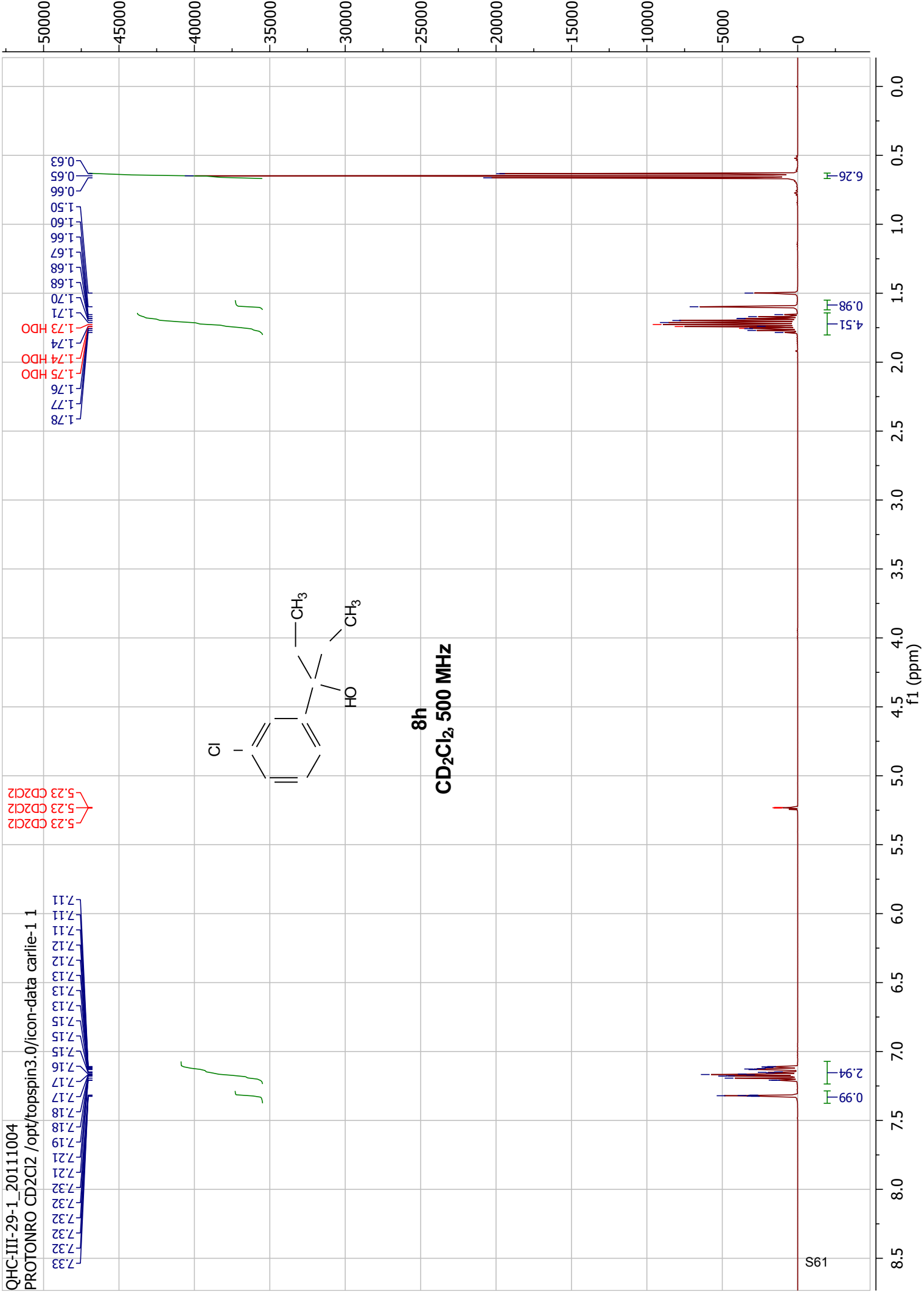


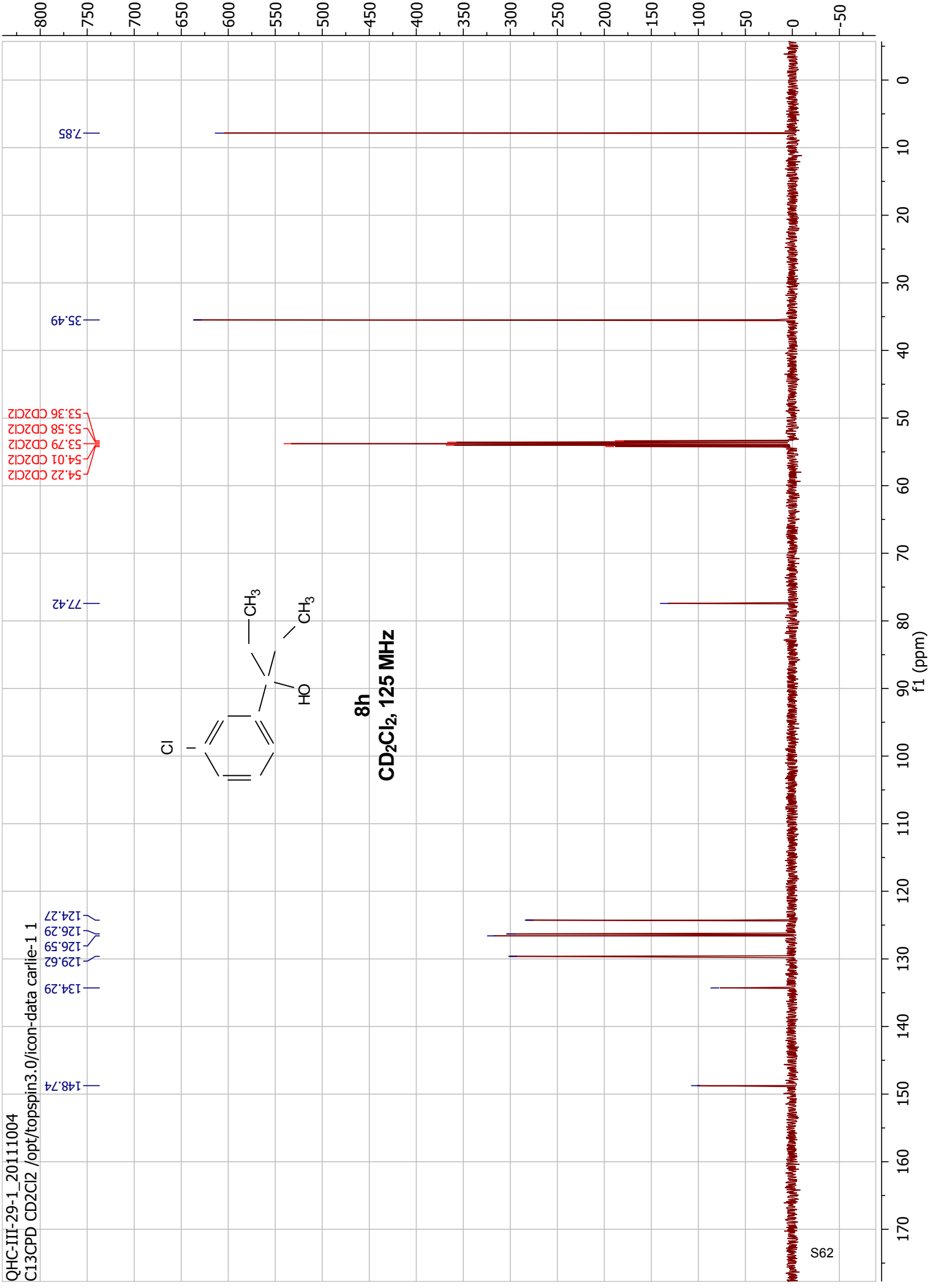


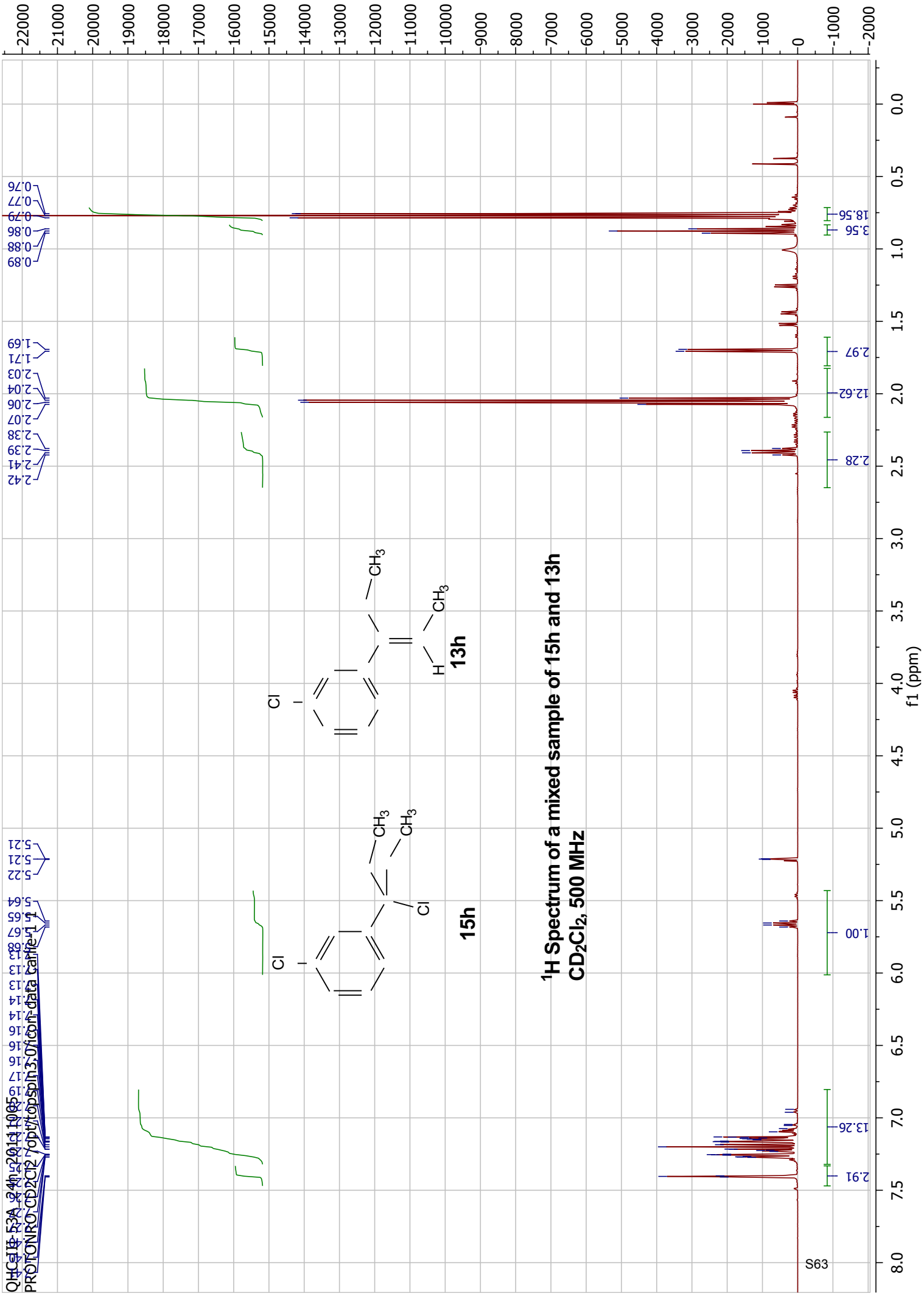


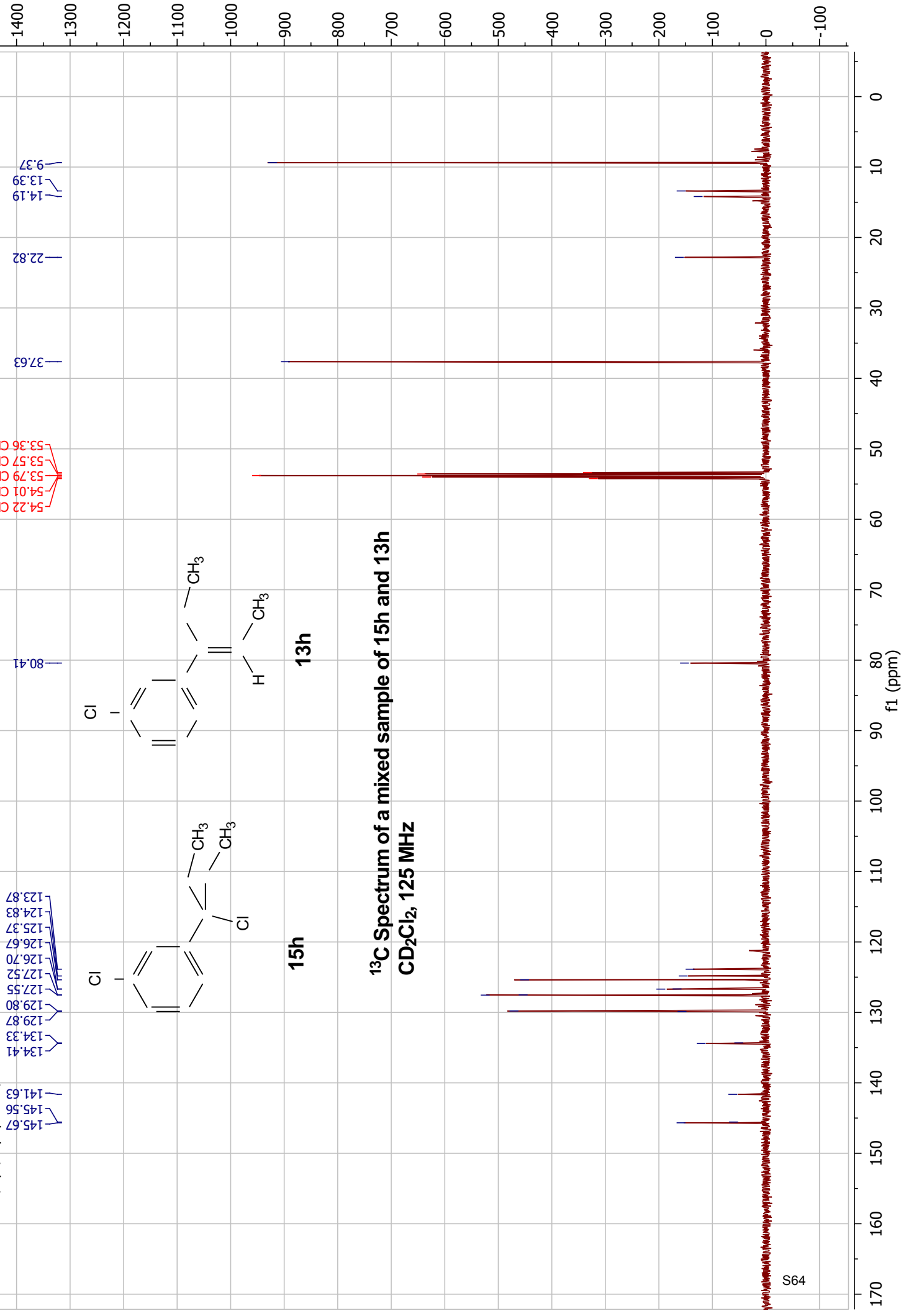
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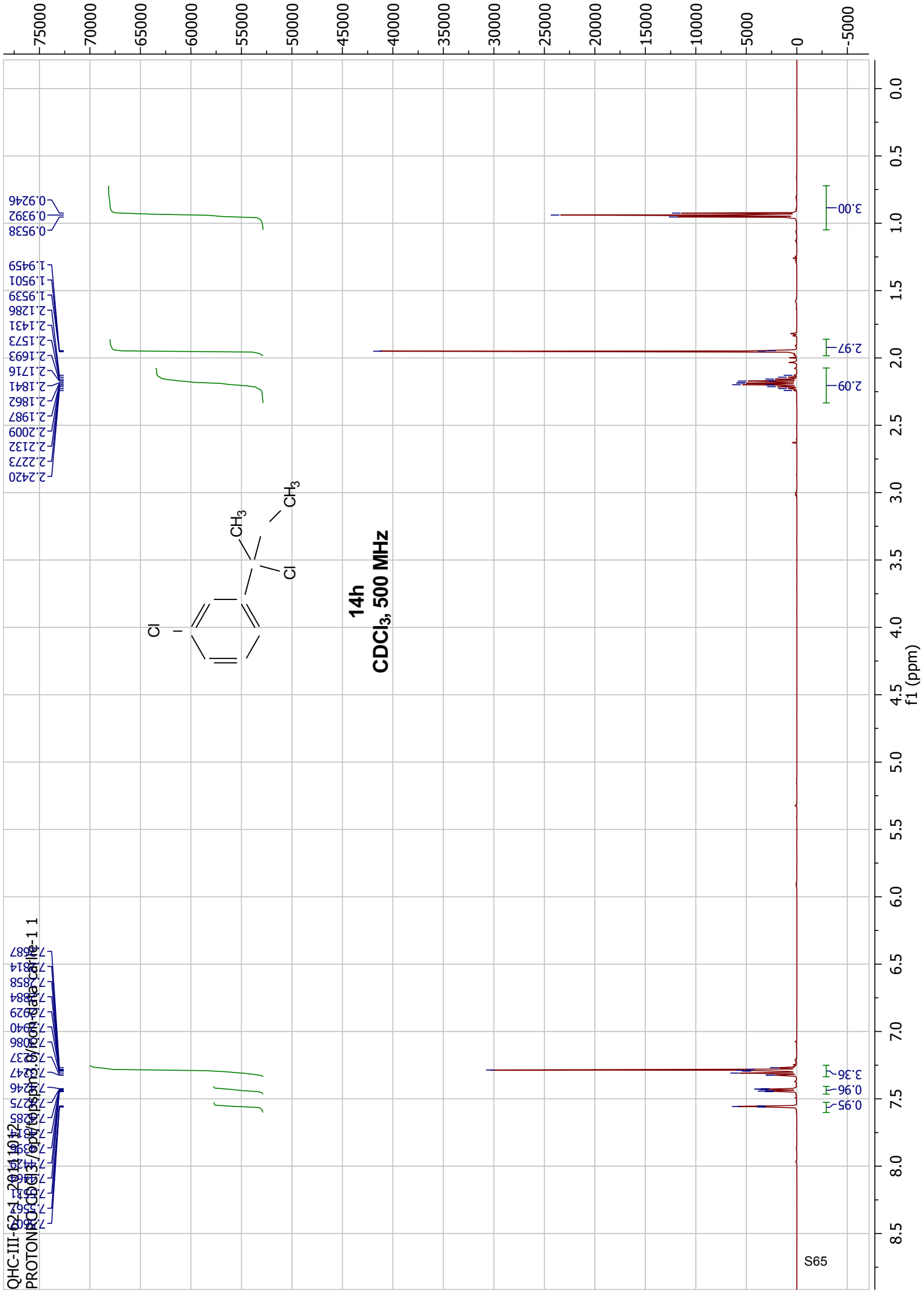
PROTONRO CD2Cl2 /opt/topspin3.0/icon-data carrier-1 1





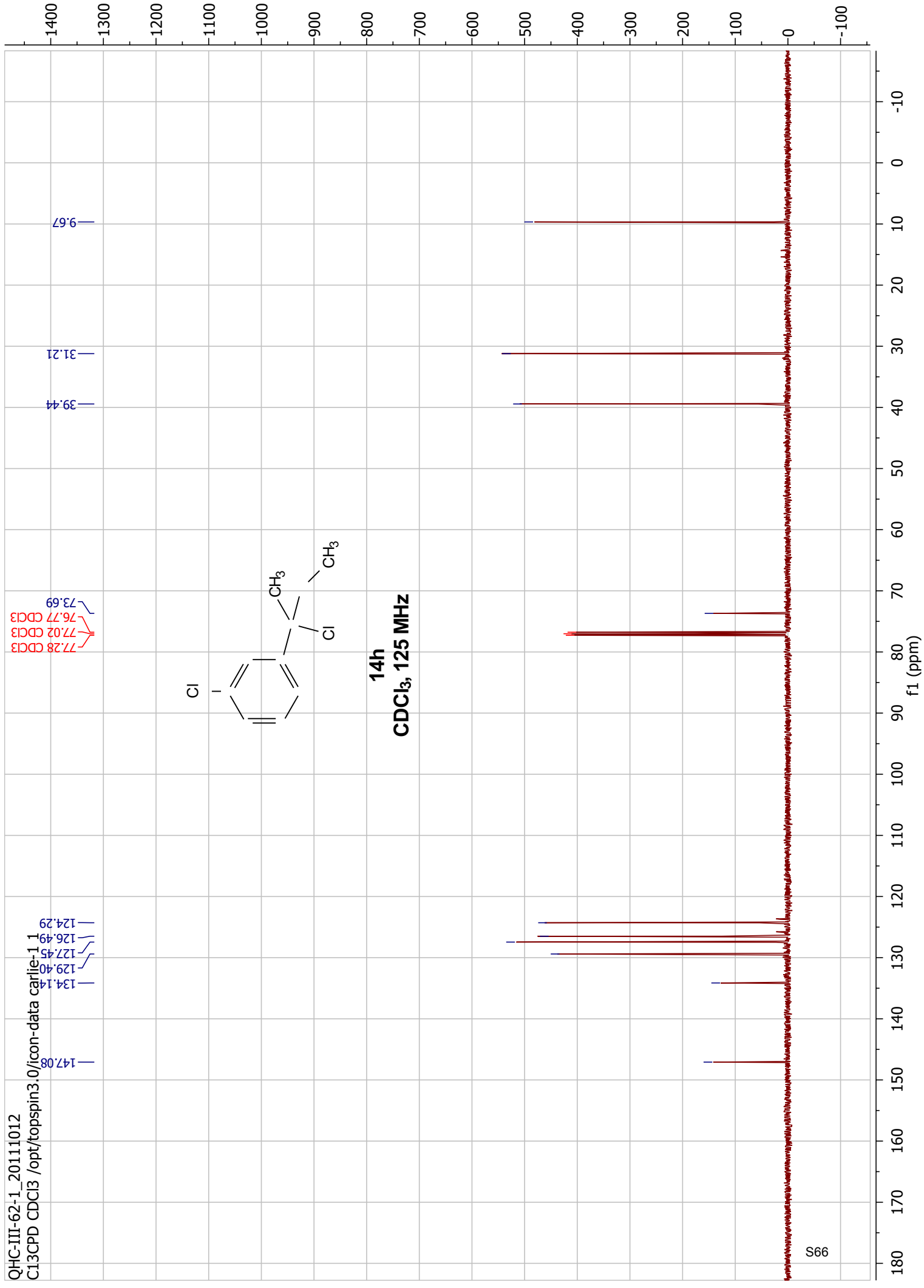


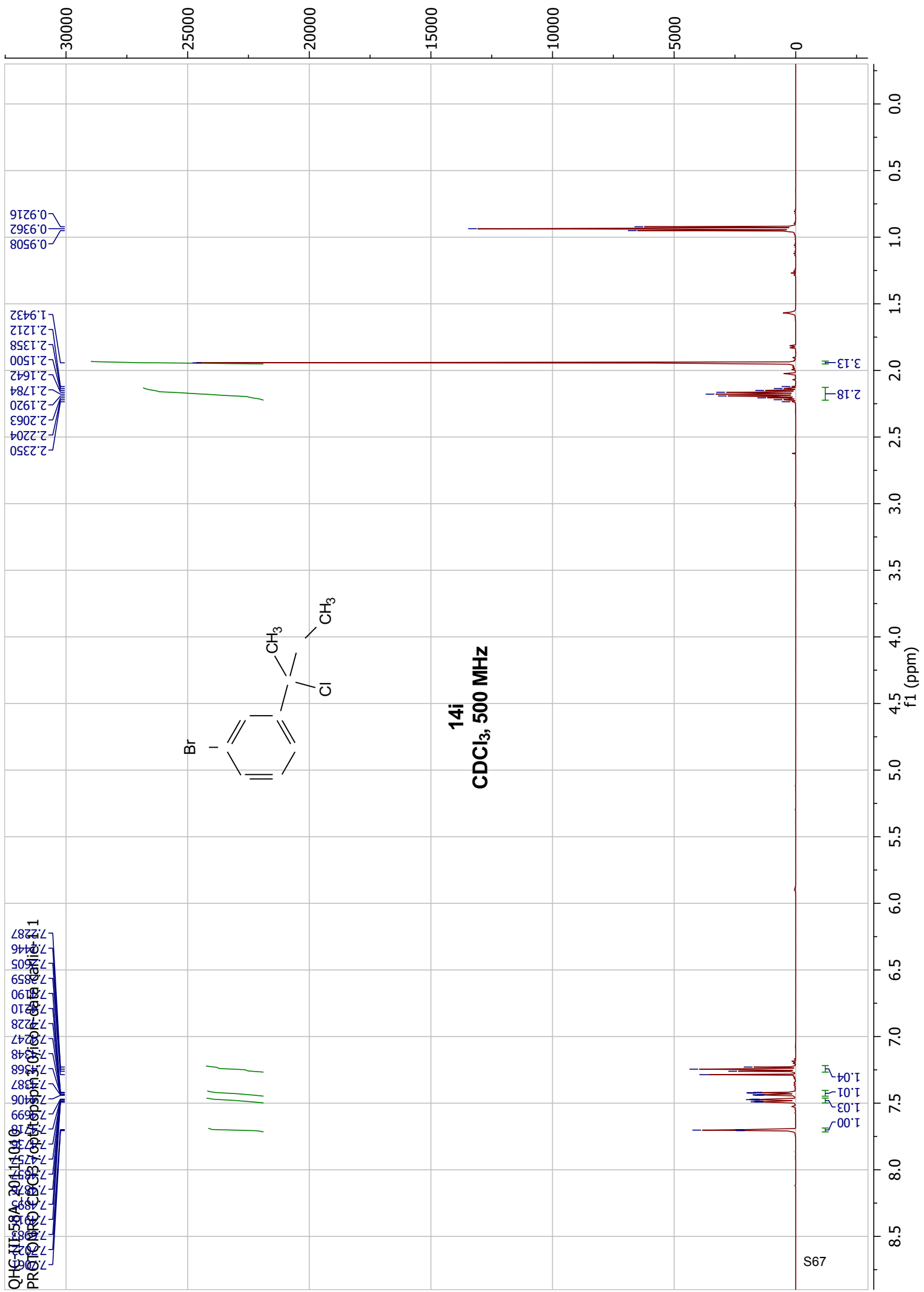




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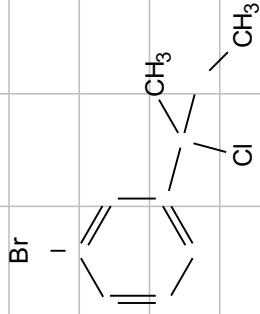






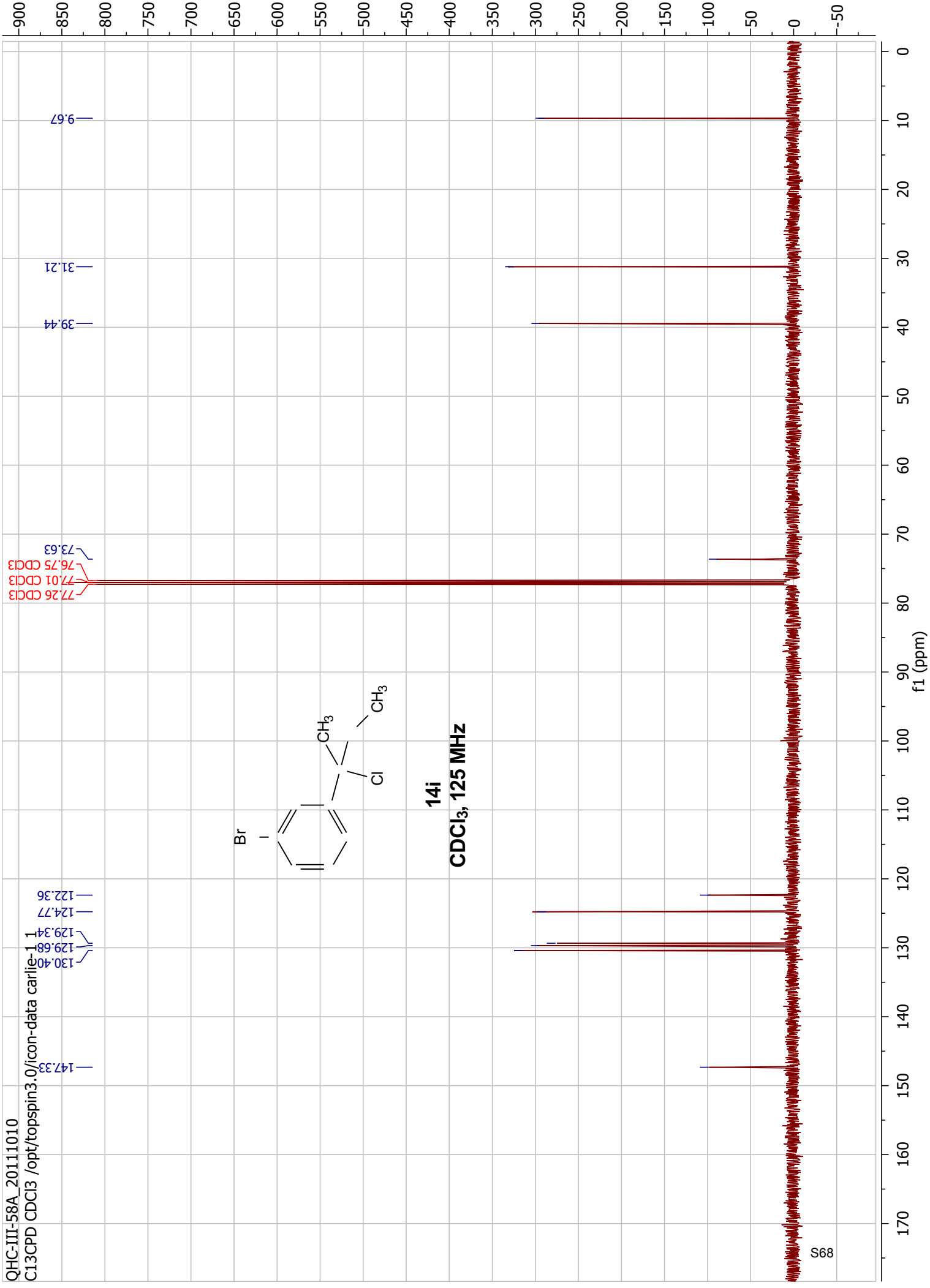
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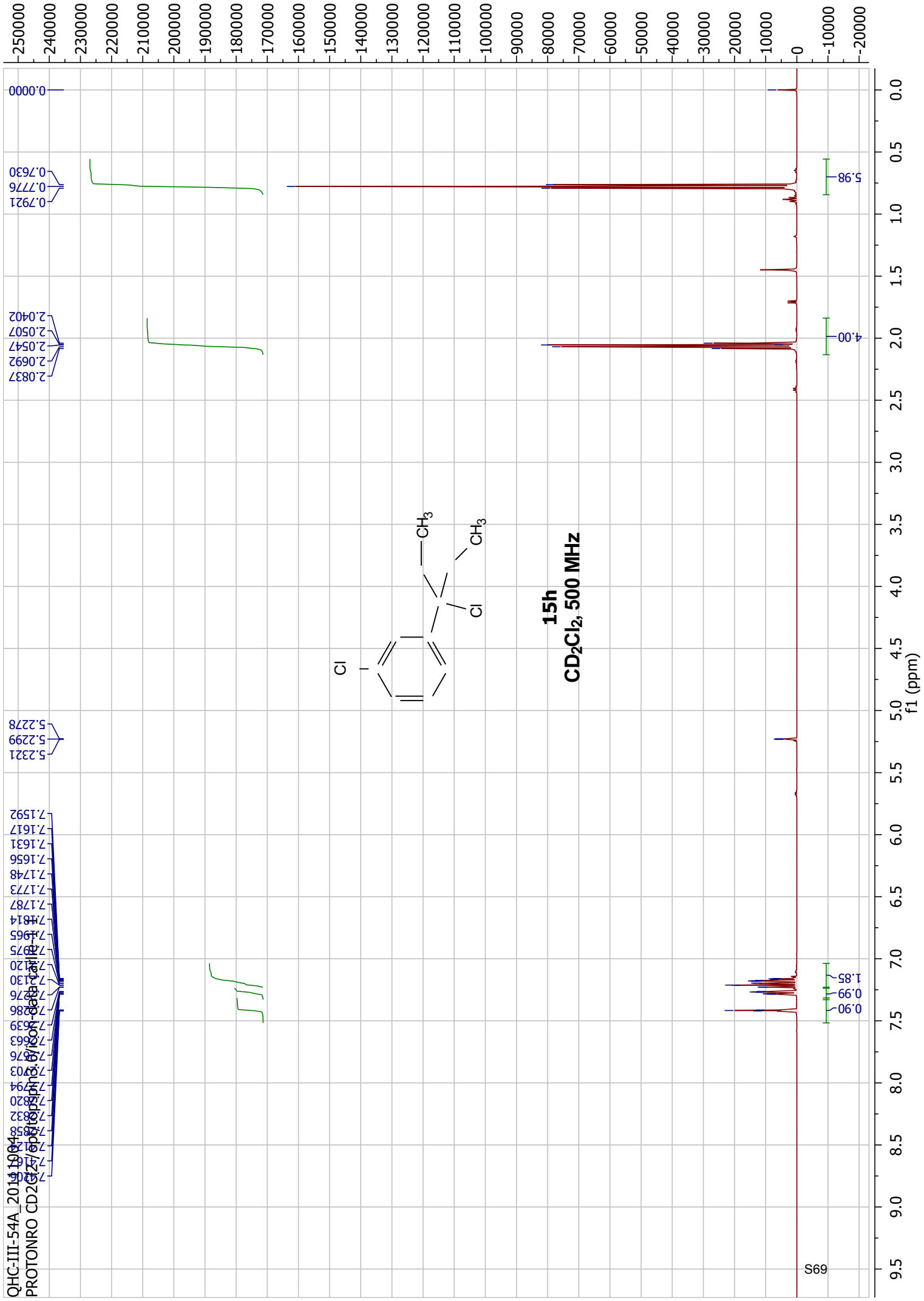
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14j

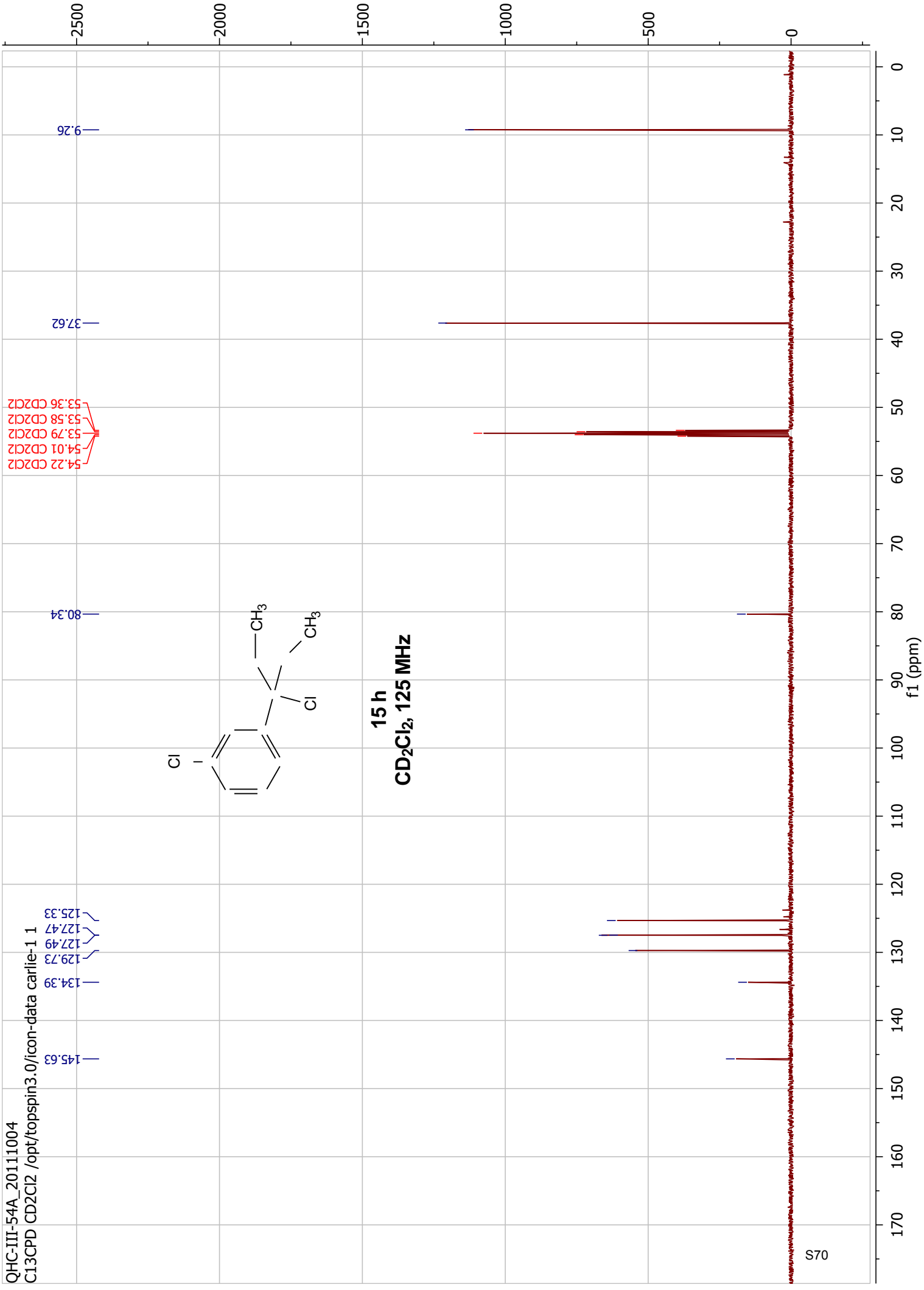
CDCl<sub>3</sub>, 125 MHz

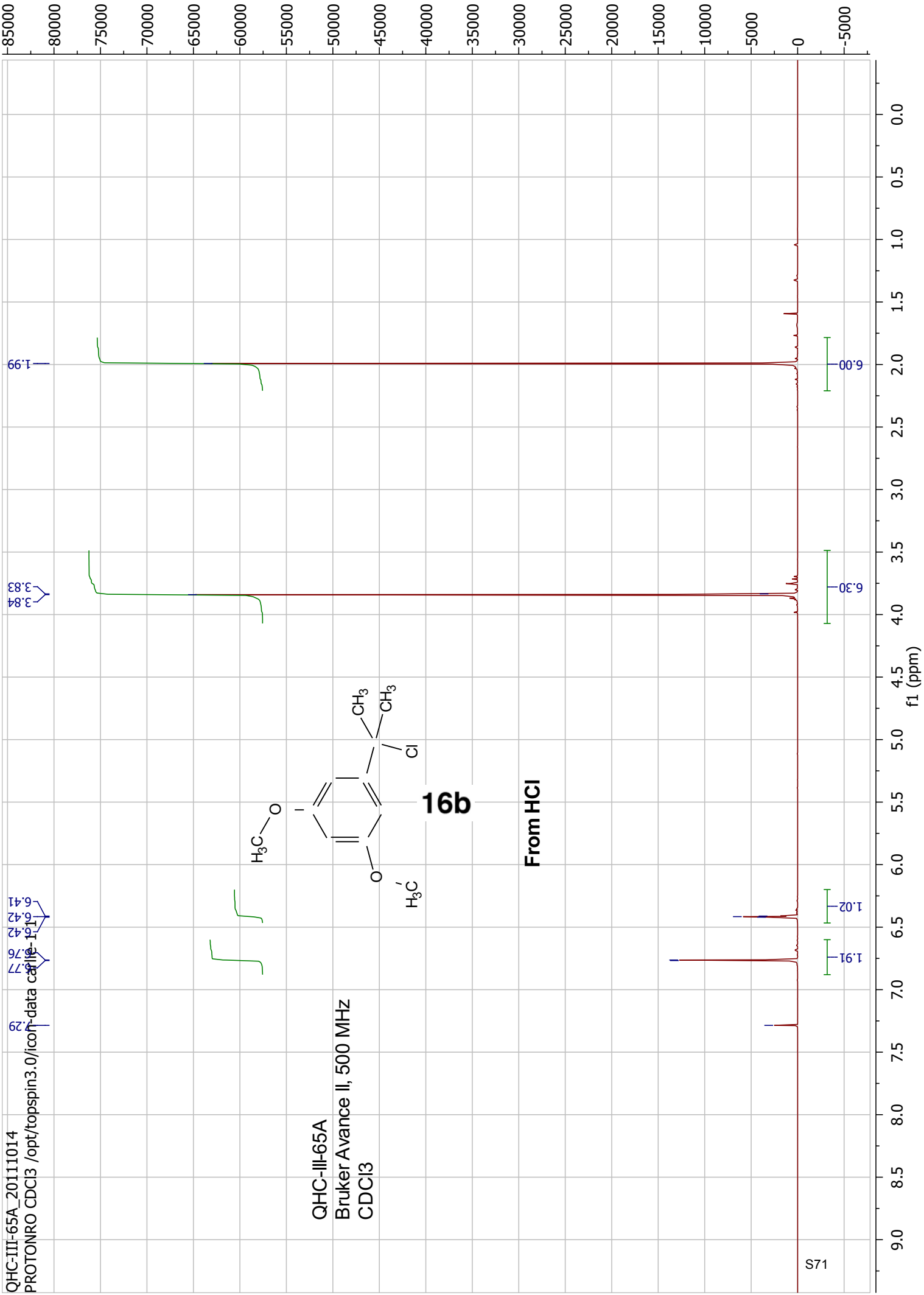


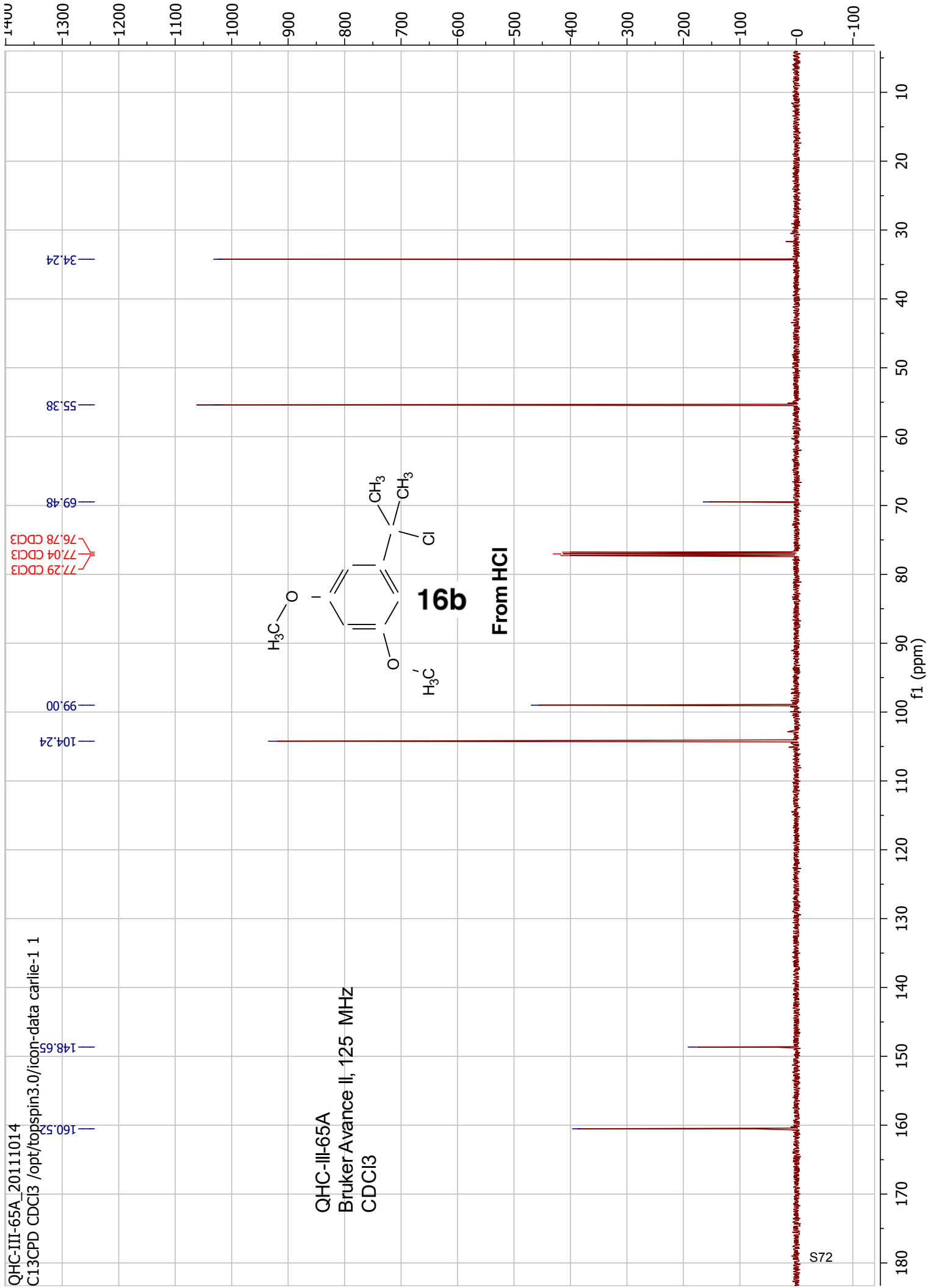


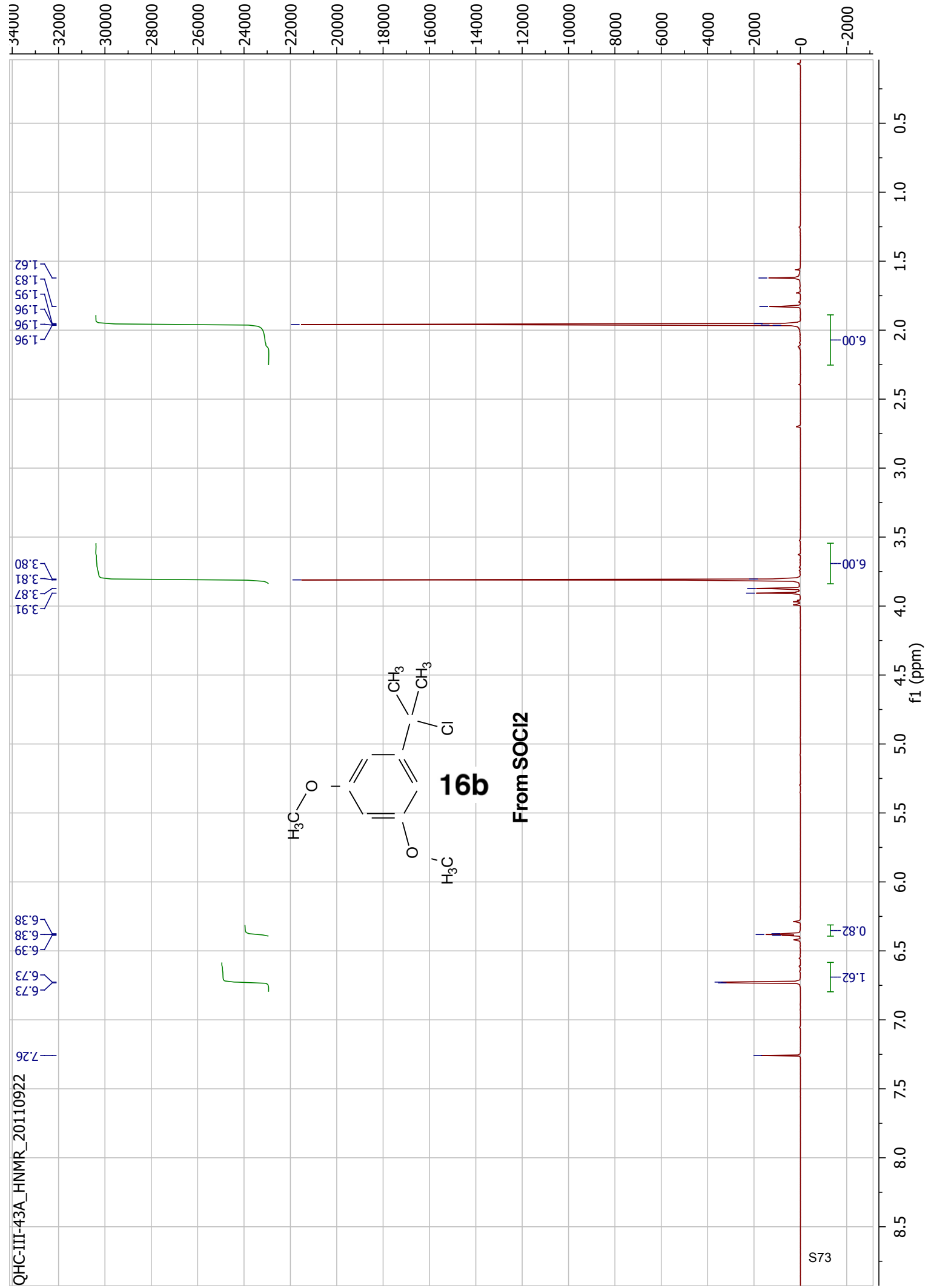
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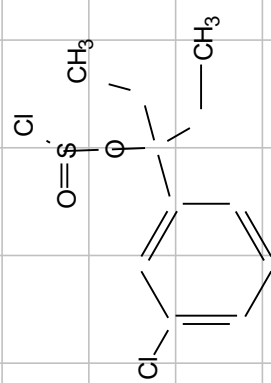
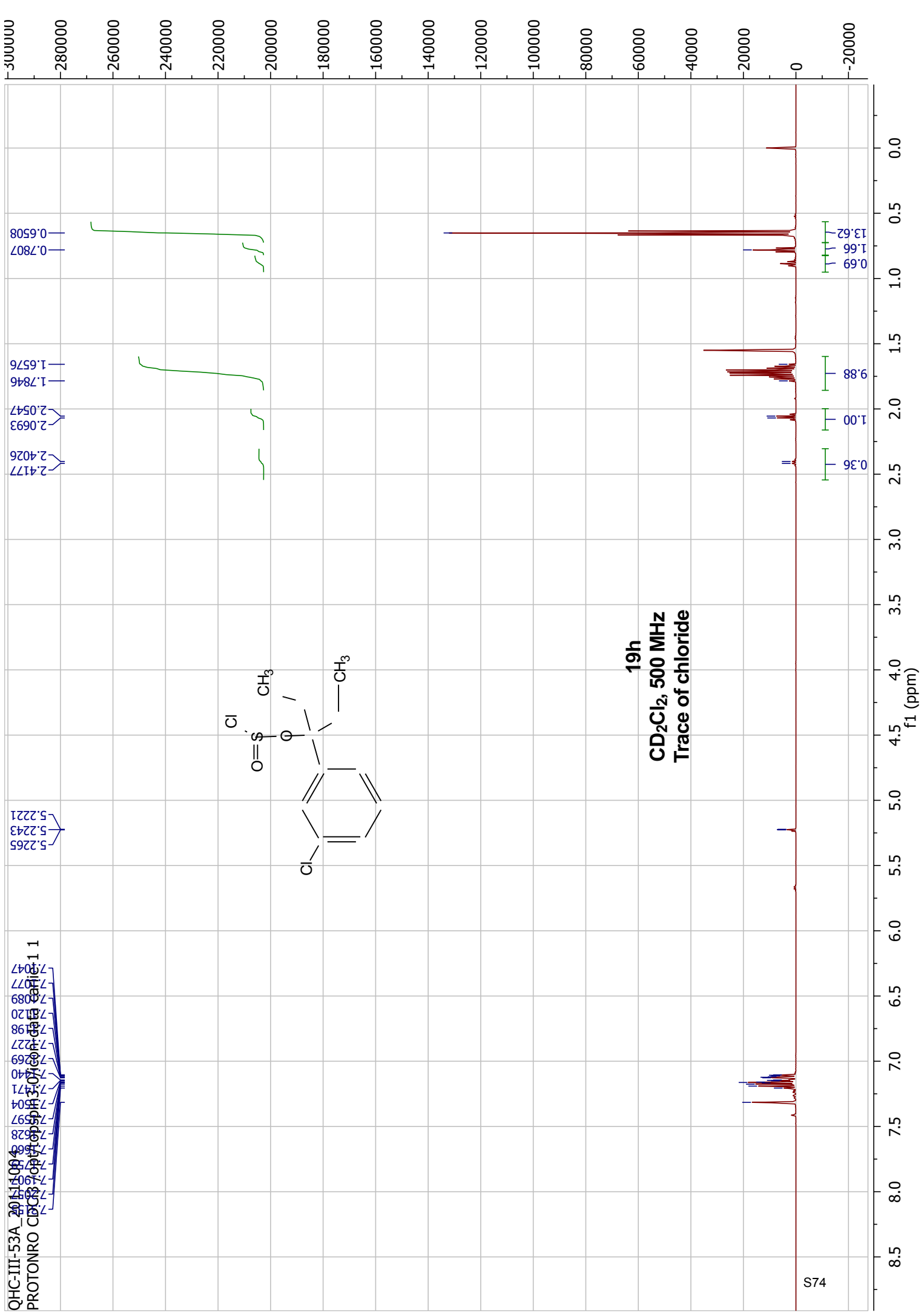
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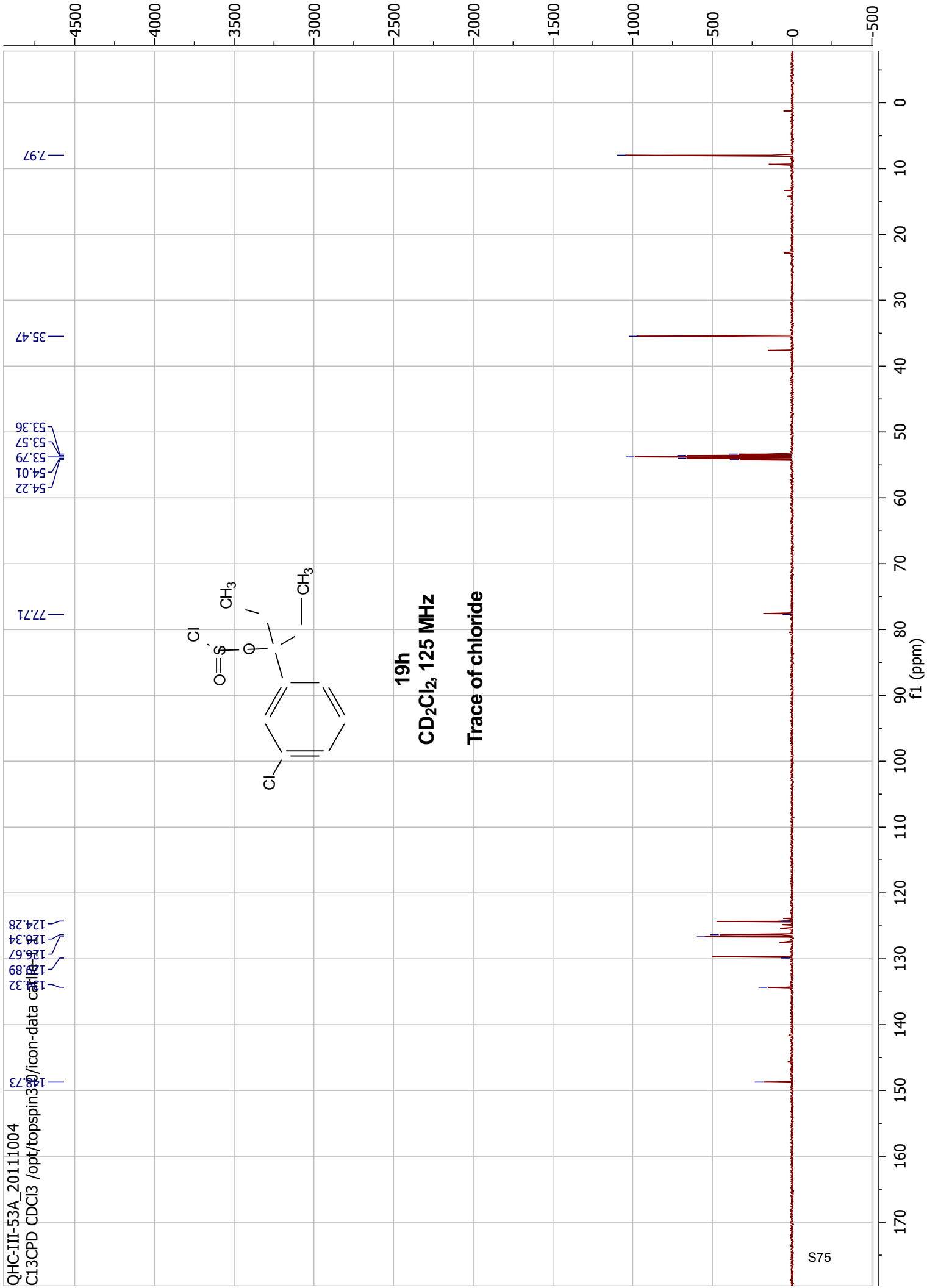




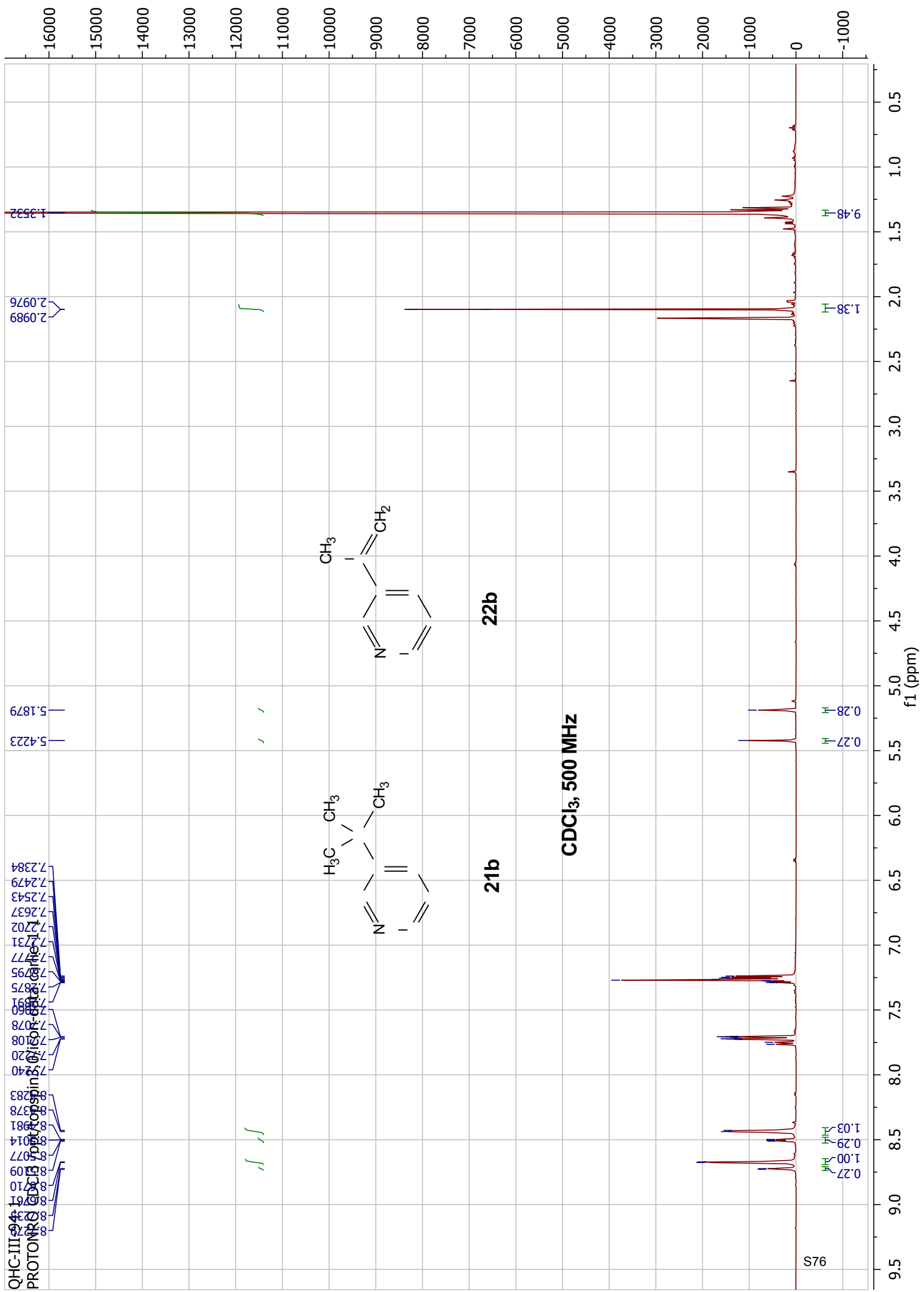


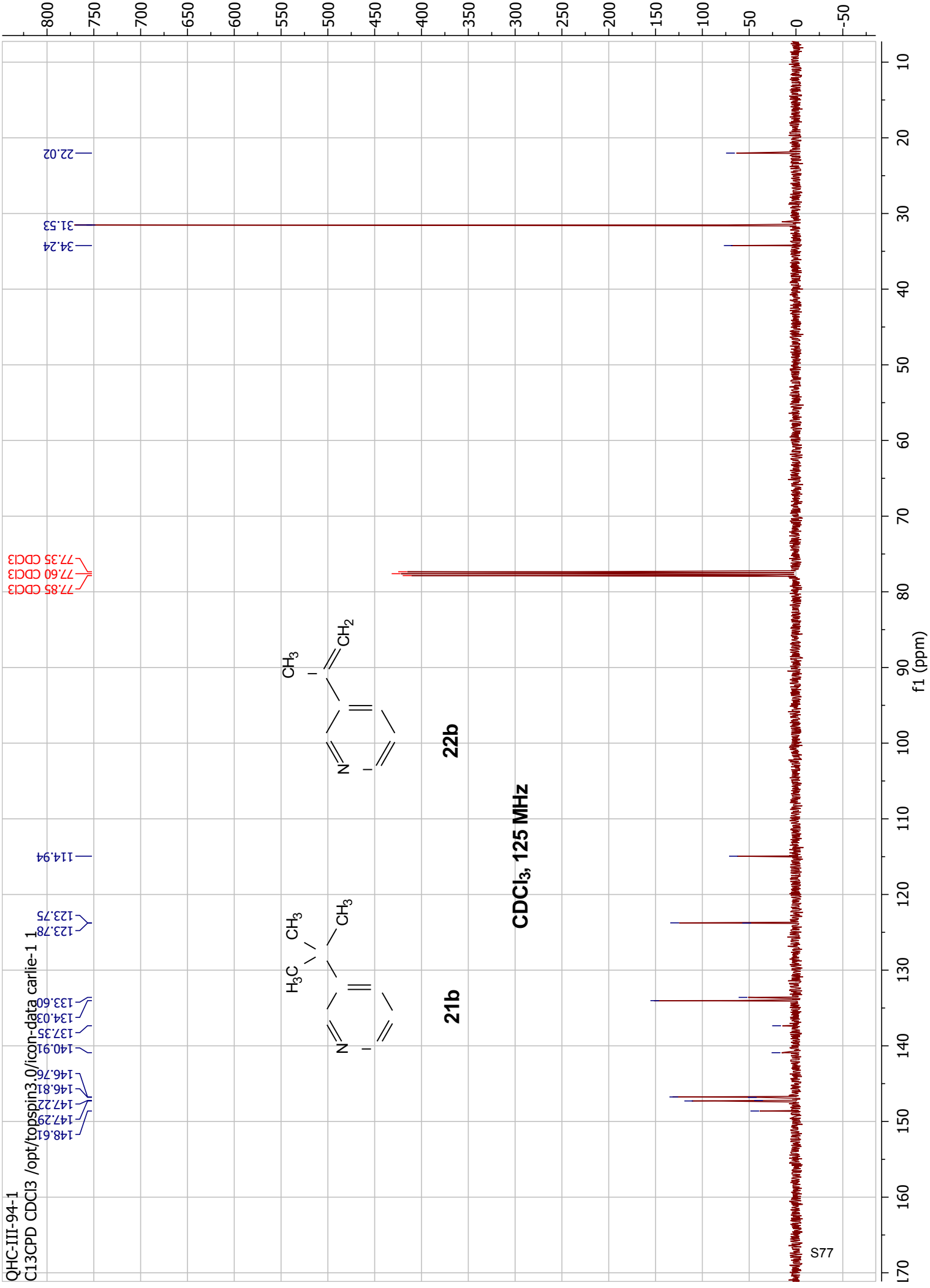


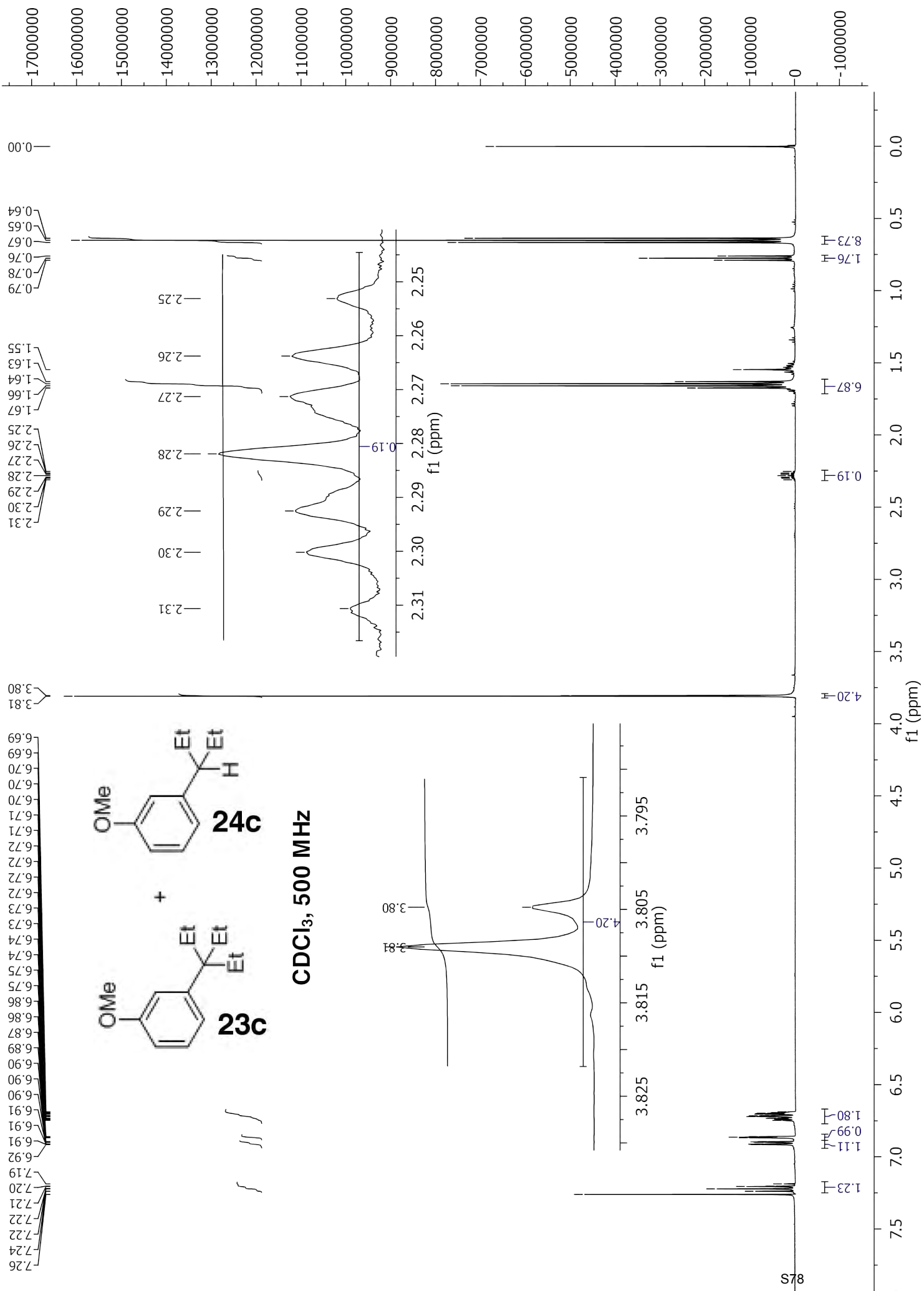
**19h**  
**CD<sub>2</sub>Cl<sub>2</sub>, 500 MHz**  
**Trace of chloride**

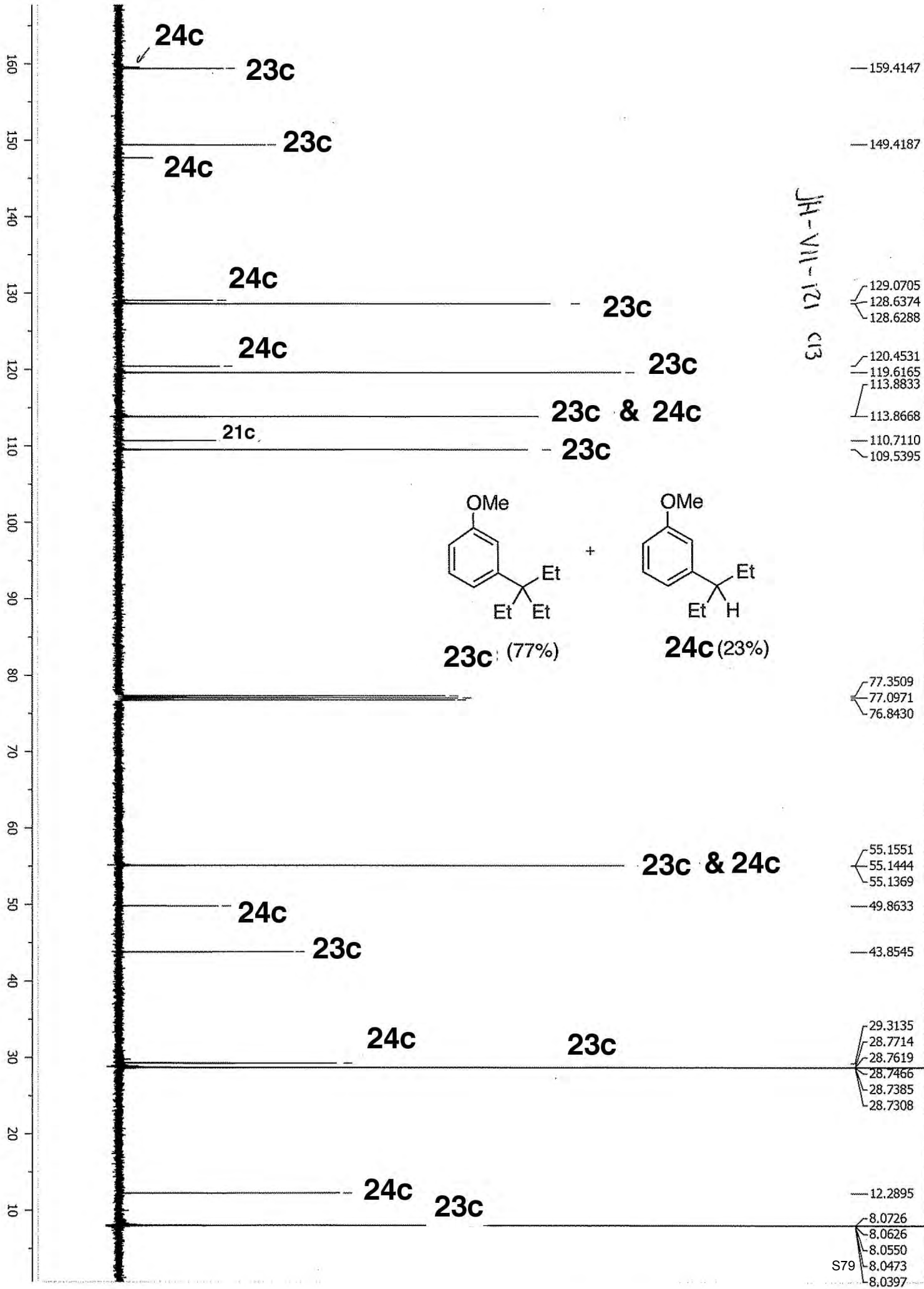


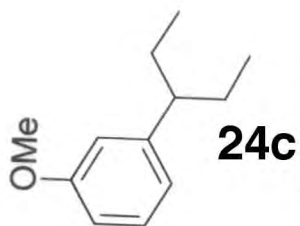










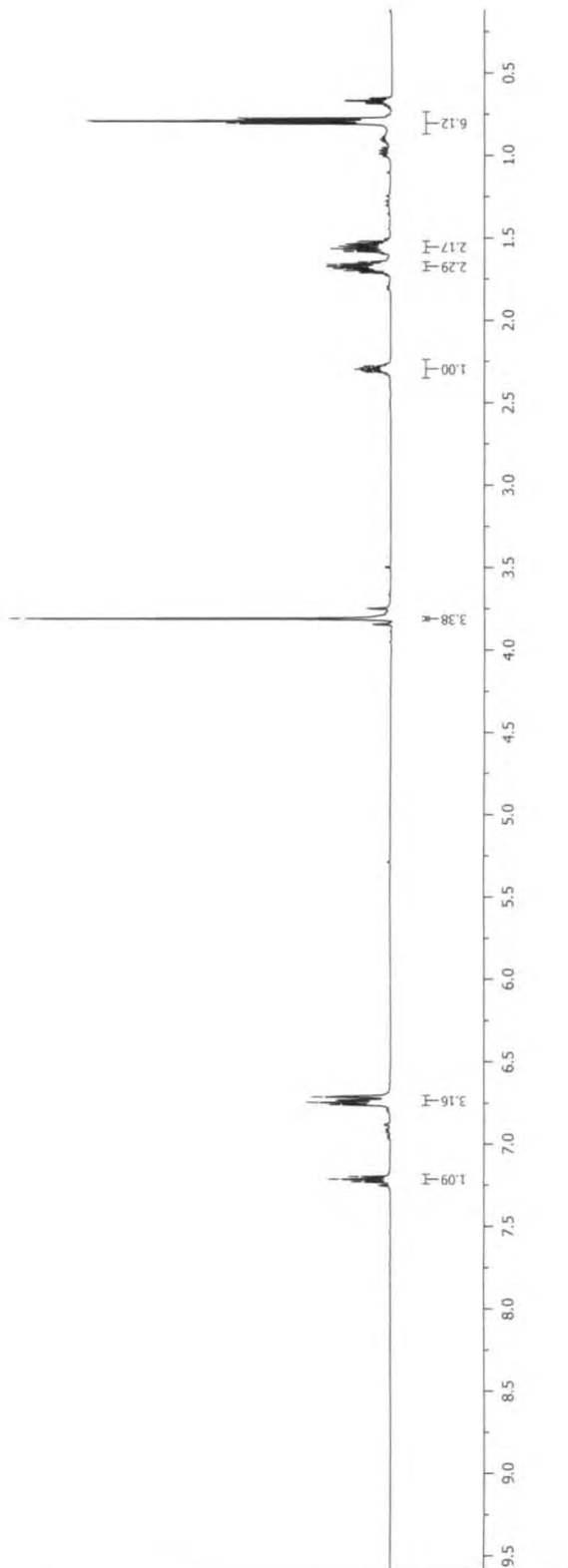


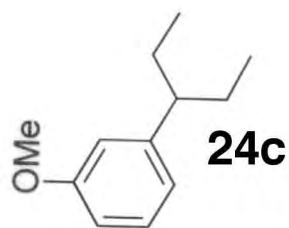
CDCl<sub>3</sub>, 500 MHz

0.8043  
 0.7895  
 0.7747  
 1.5197  
 1.5374  
 1.5497  
 1.5645  
 1.5827  
 1.6605  
 1.6846  
 2.2780  
 2.2873  
 2.2960  
 2.3060  
 2.3140

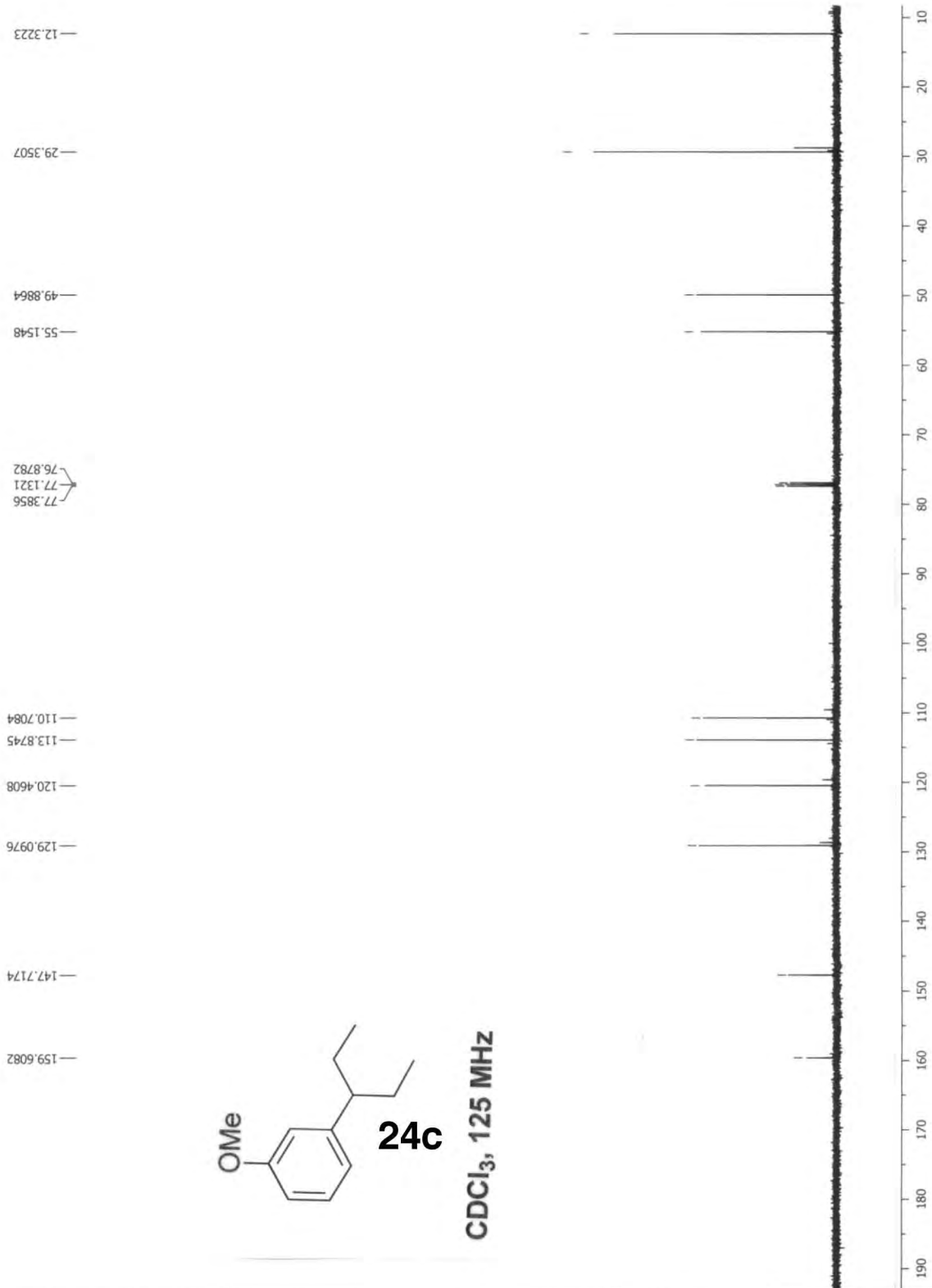
3.8077

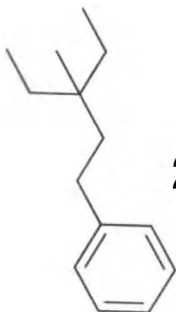
6.7118  
 6.7290  
 6.7300  
 6.7321  
 6.7339  
 6.7449  
 6.7479  
 6.7498  
 6.7534  
 6.7594  
 7.1960  
 7.2120  
 7.2273





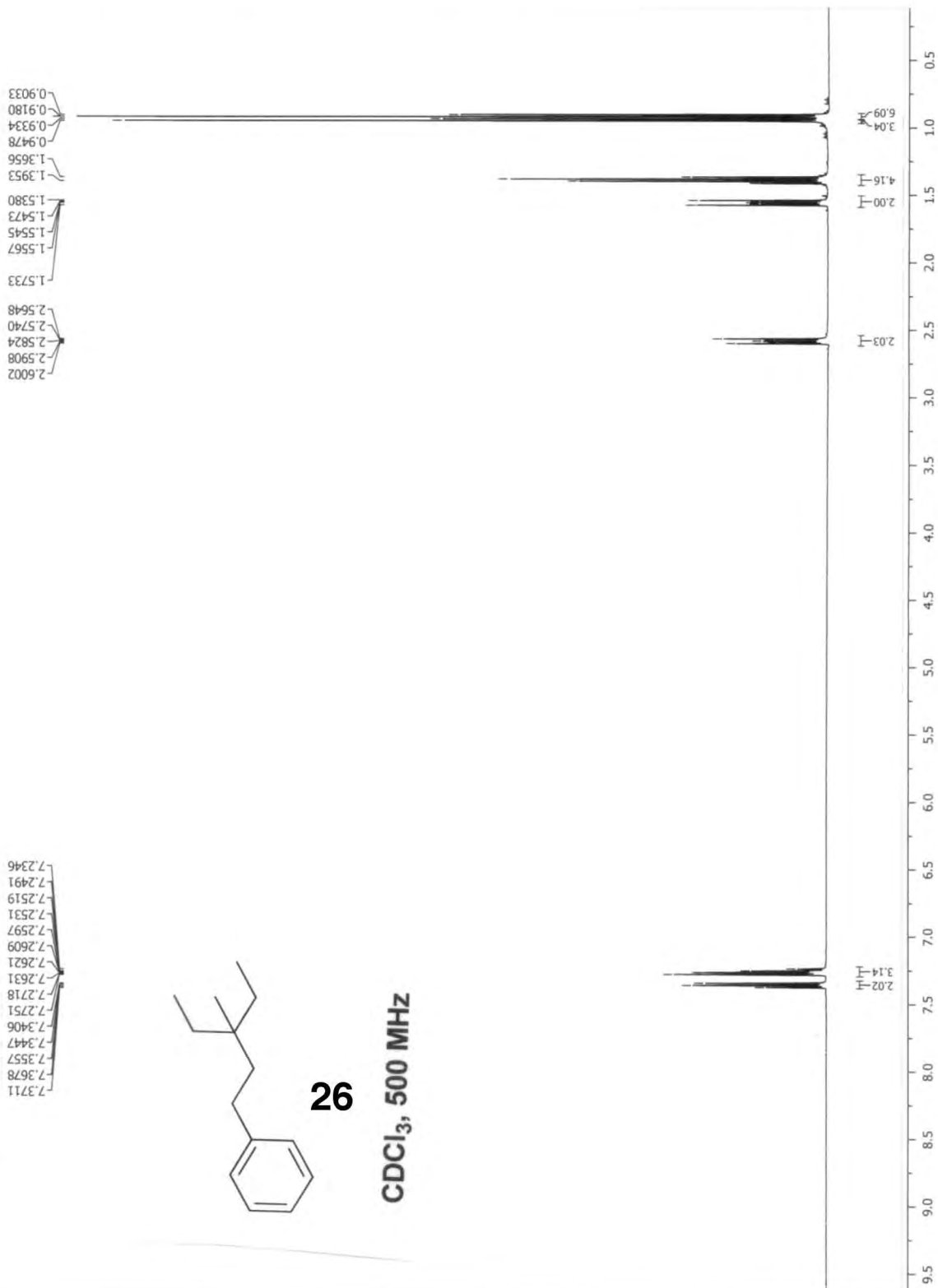
**CDCl<sub>3</sub>, 125 MHz**





**26**

**CDCl<sub>3</sub>, 500 MHz**





**26**

**CDCl<sub>3</sub>, 125 MHz**

