

SUPPORTING INFORMATION

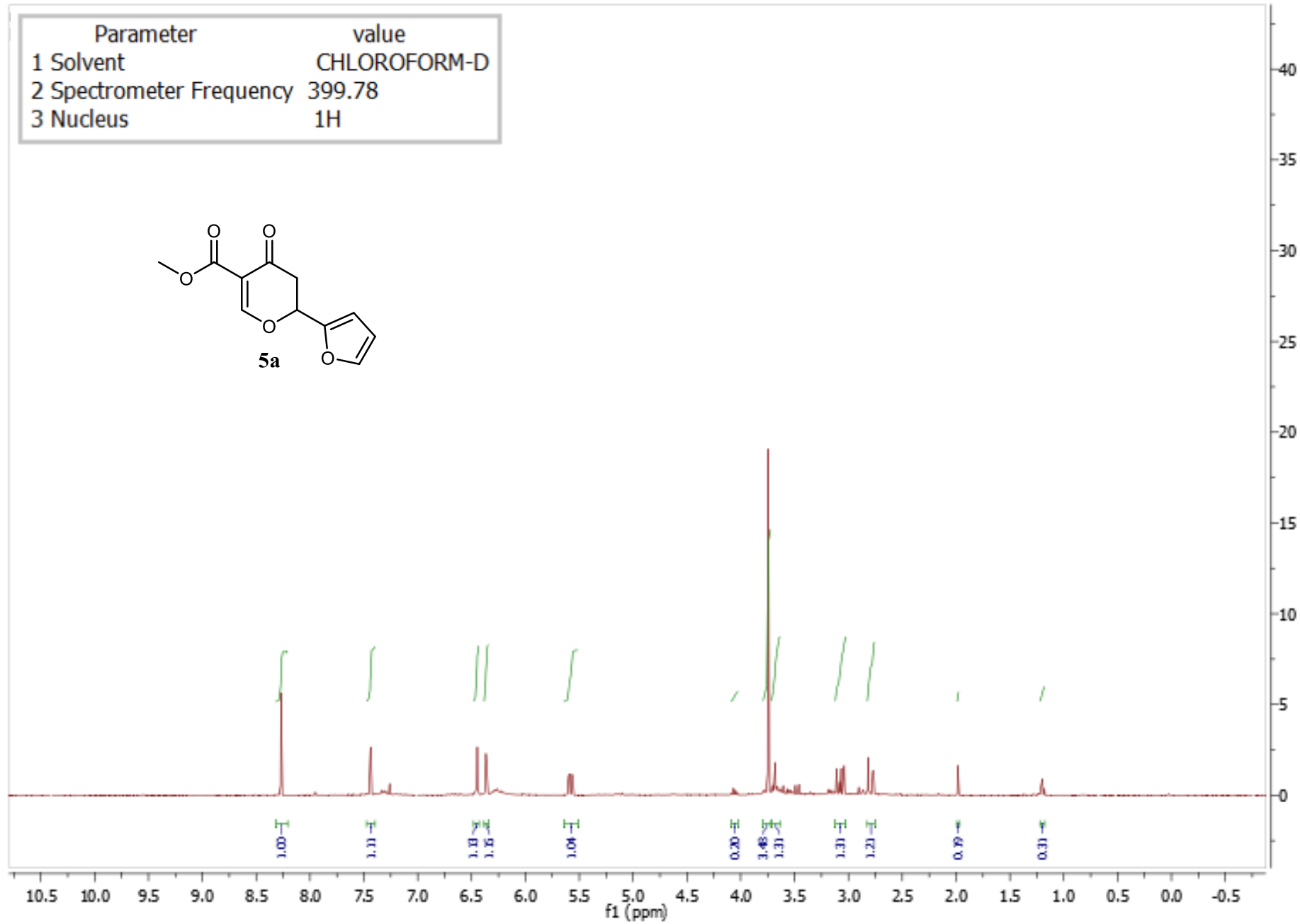
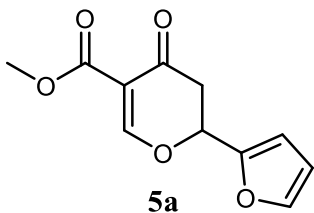
Synthesis of 2,6-*trans*- and 3,3,6-Trisubstituted Tetrahydropyran-4-ones from Maitland-Japp Derived 2H-Dihydropyran-4-ones: A Total Synthesis of Diospongin B

Paul A. Clarke, Nadiah Mad Nasir, Philip B. Sellars, Alejandra M. Peter, Connor A.*

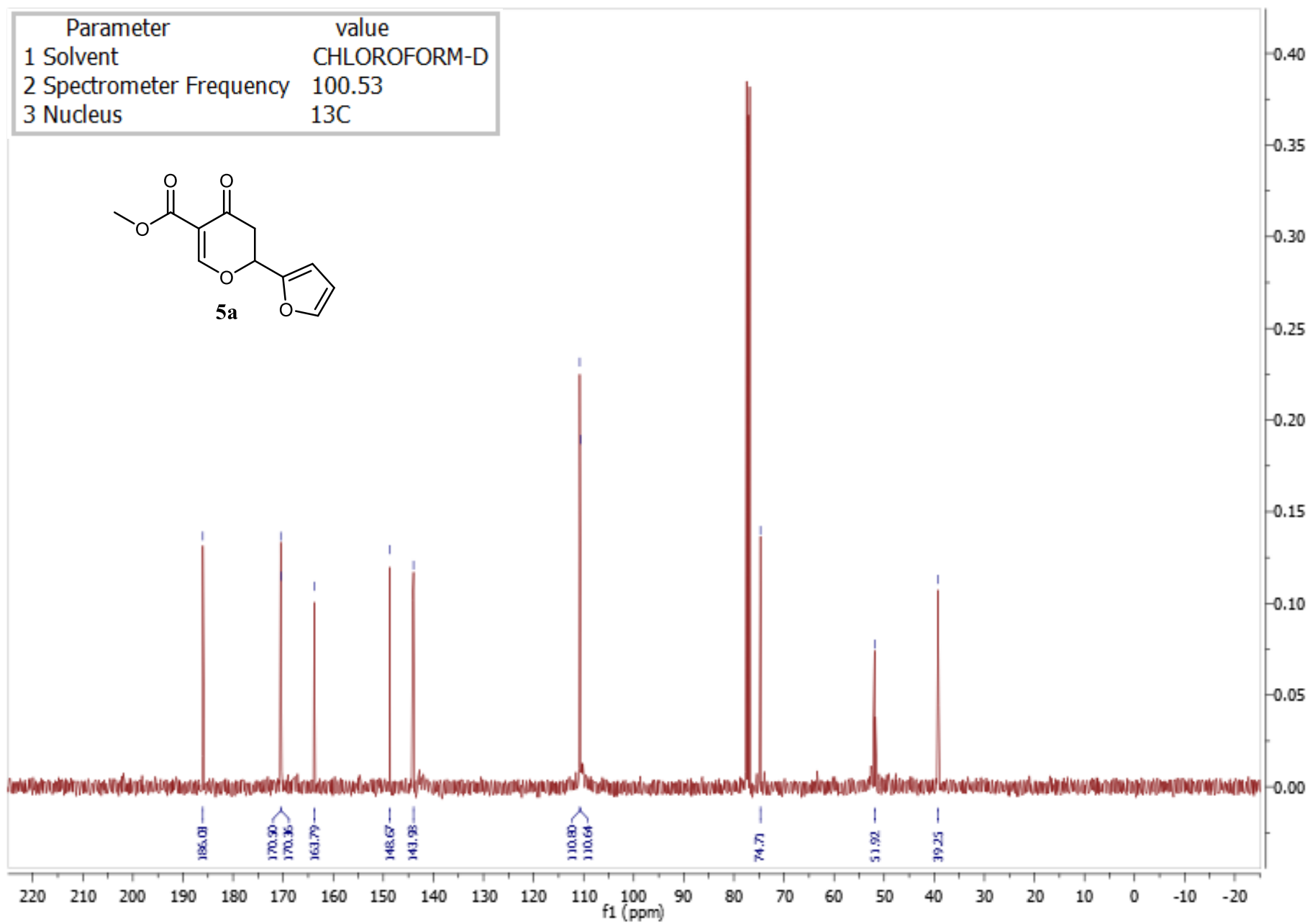
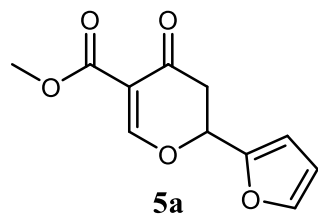
Lawson and James L. Burroughs

Copies of ^1H and ^{13}C NMR spectra for compounds reported in the paper.

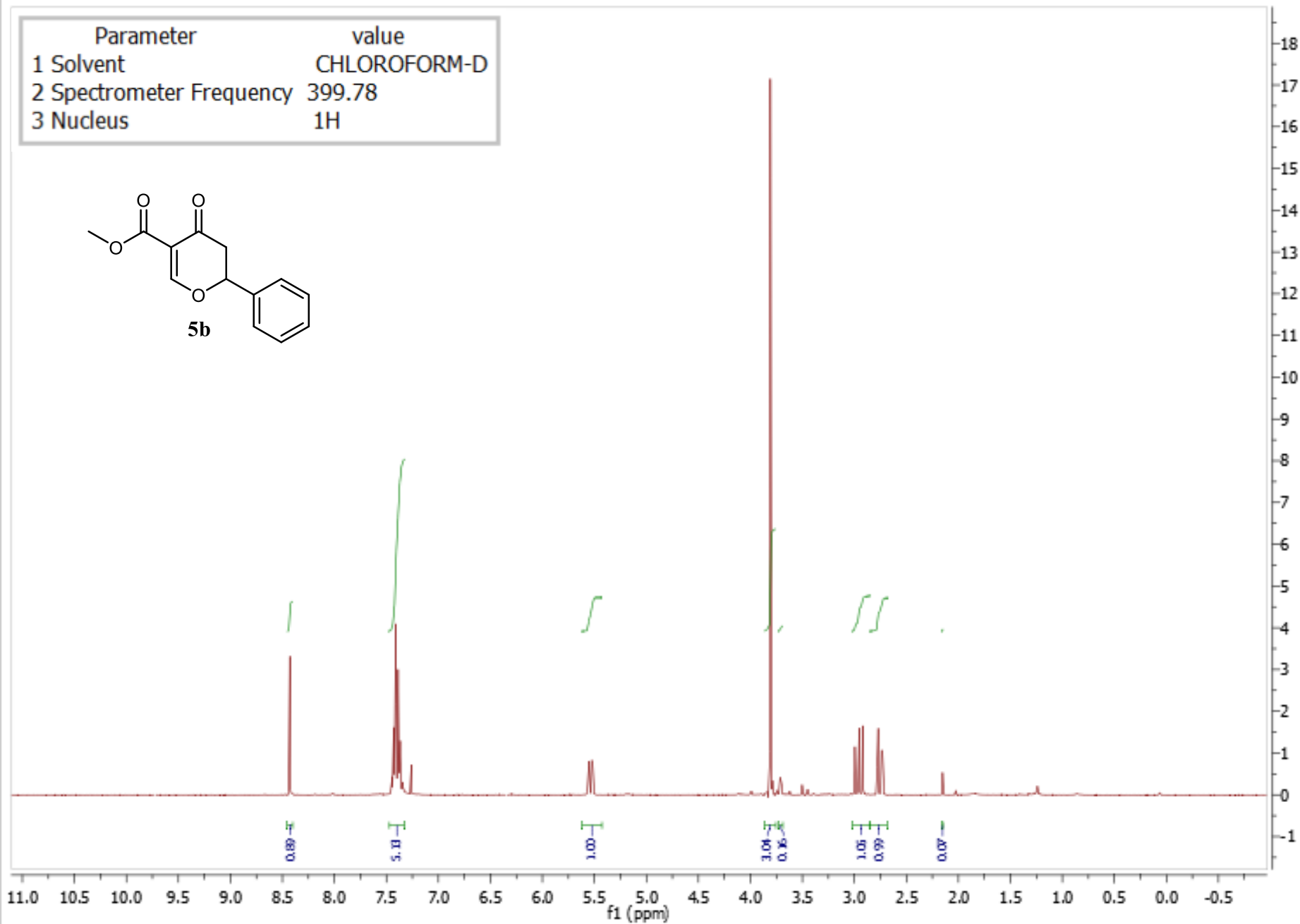
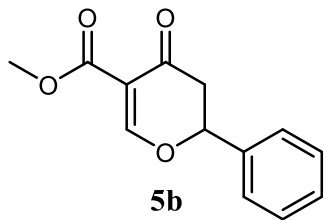
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| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | ¹ H |



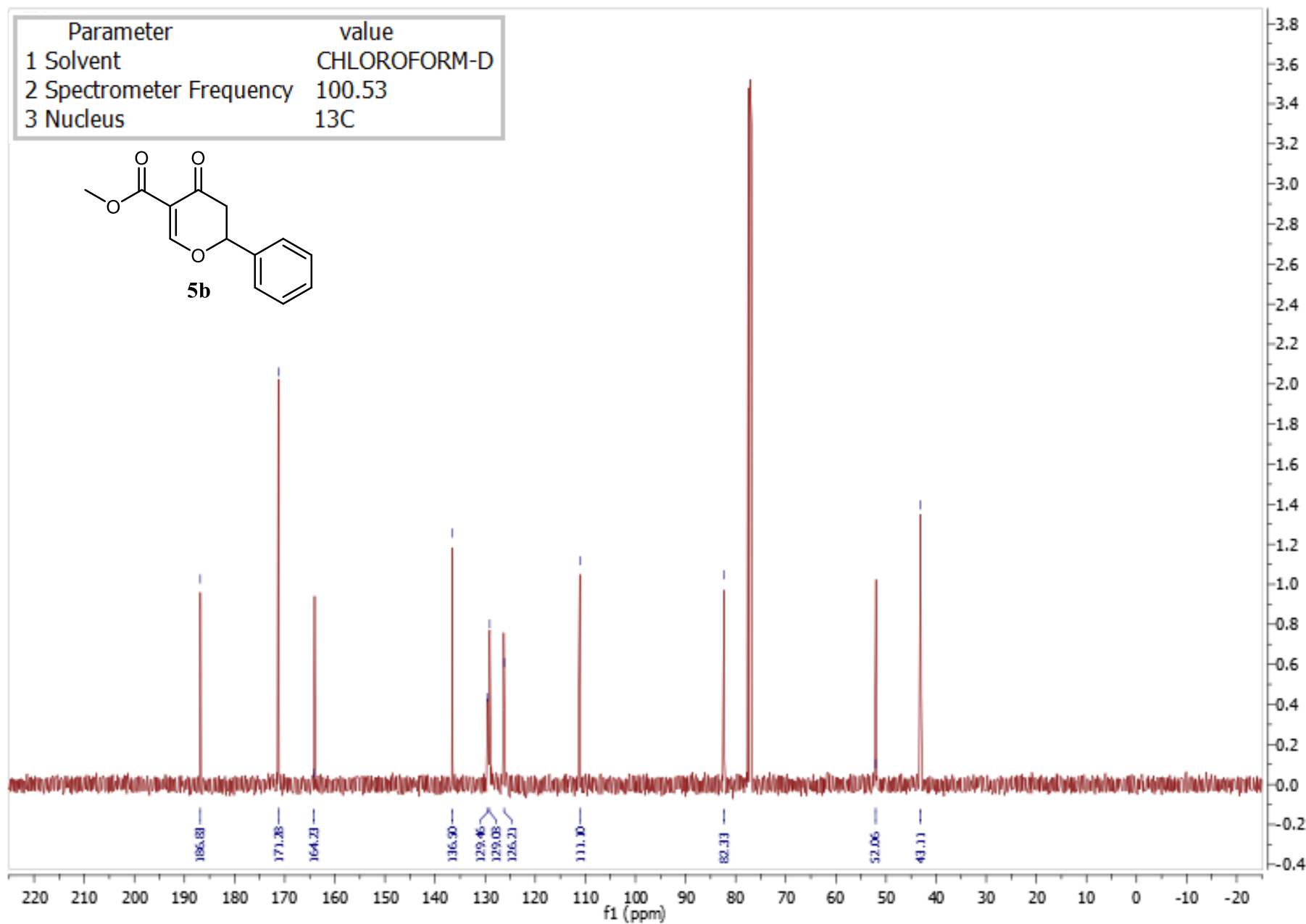
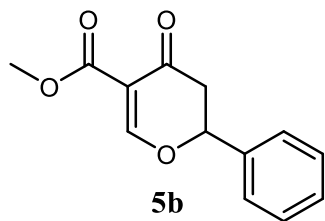
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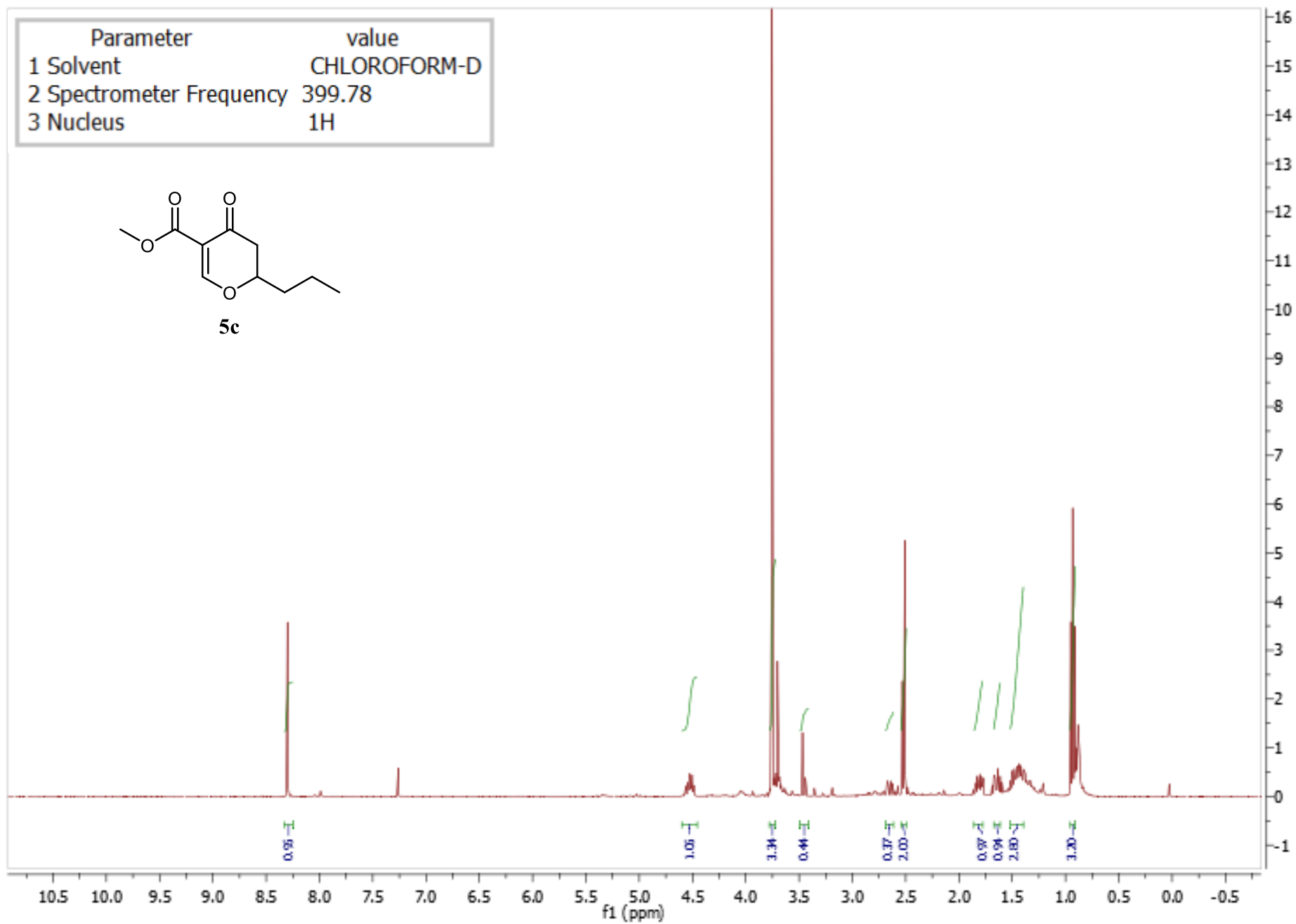
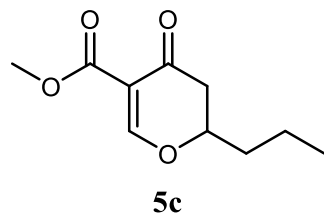
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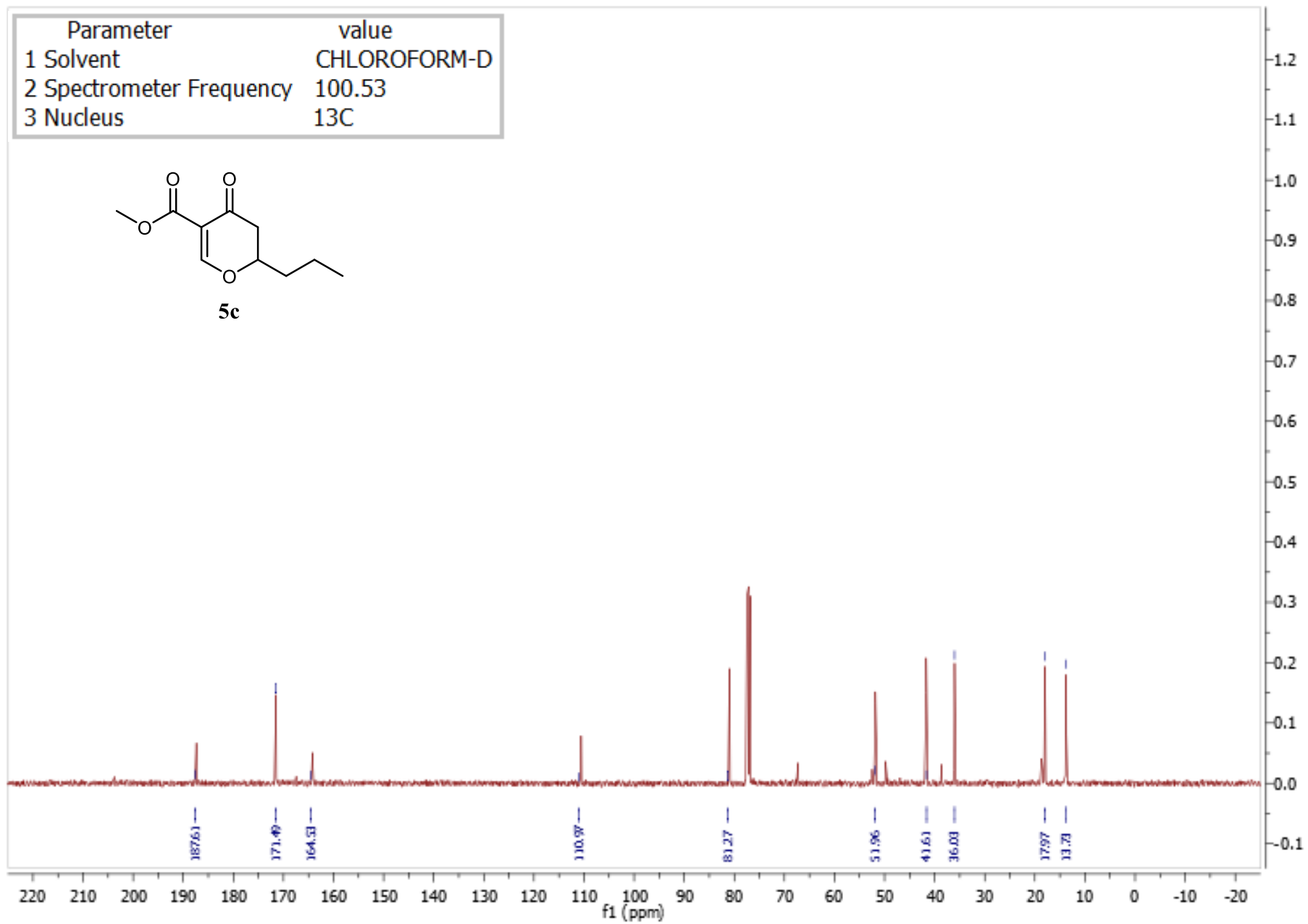
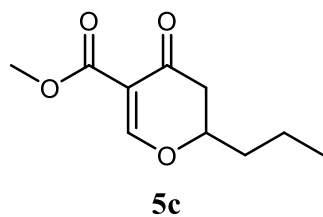
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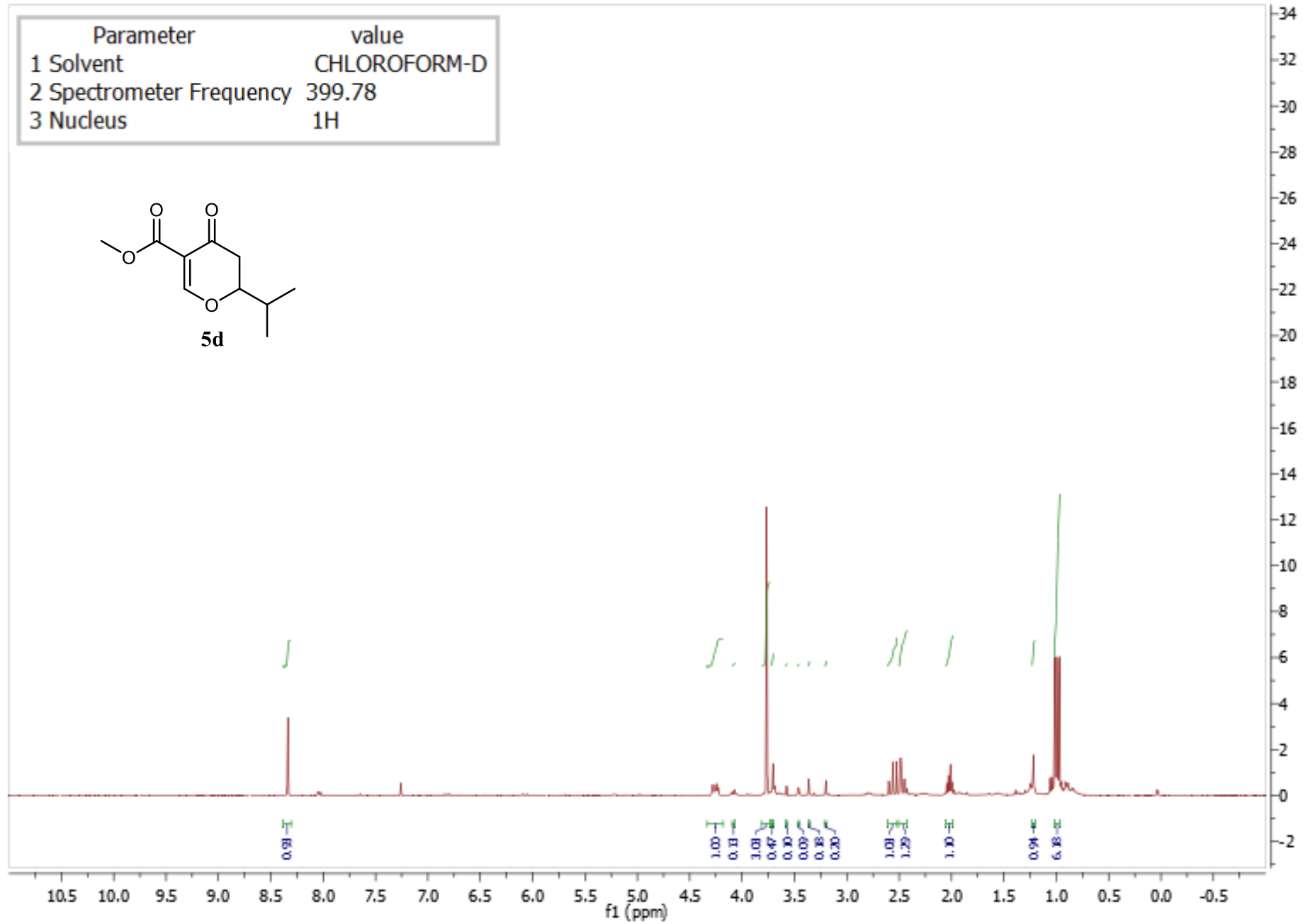
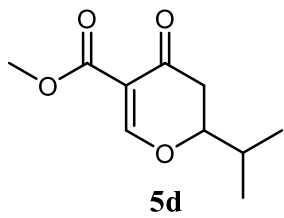
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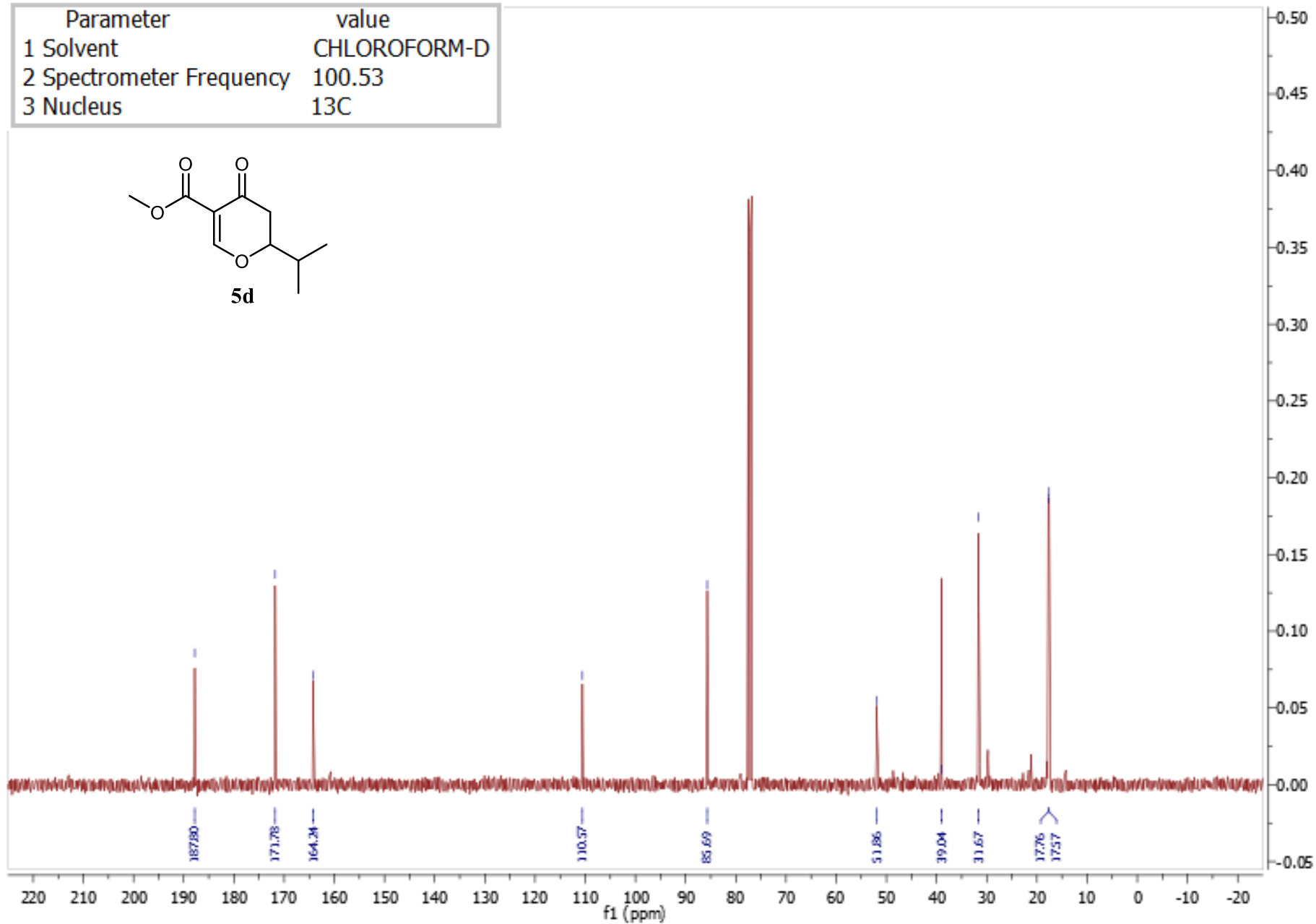
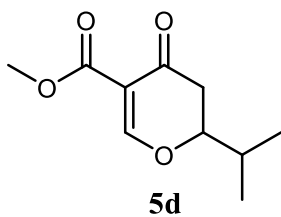
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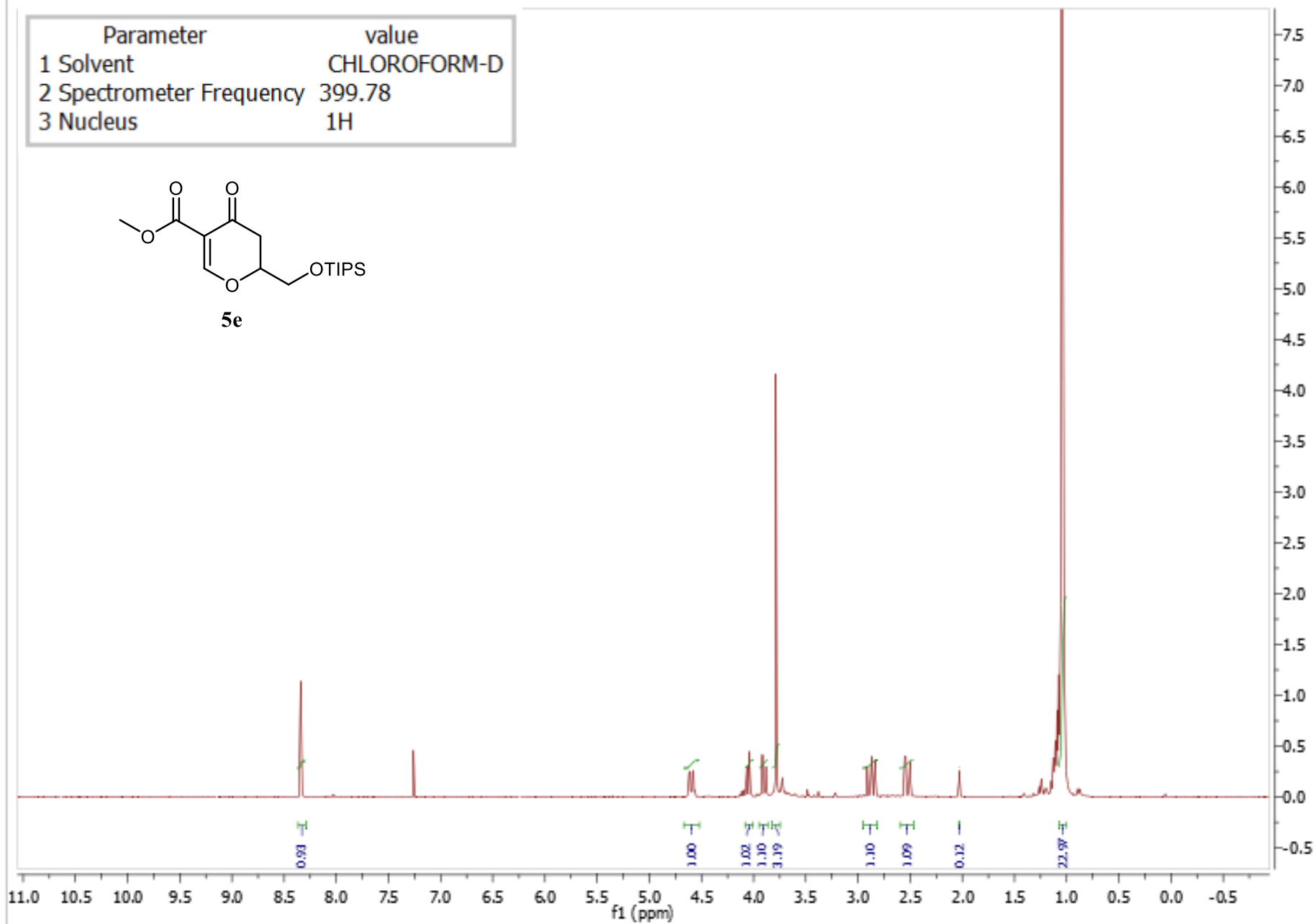
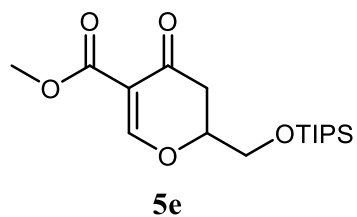
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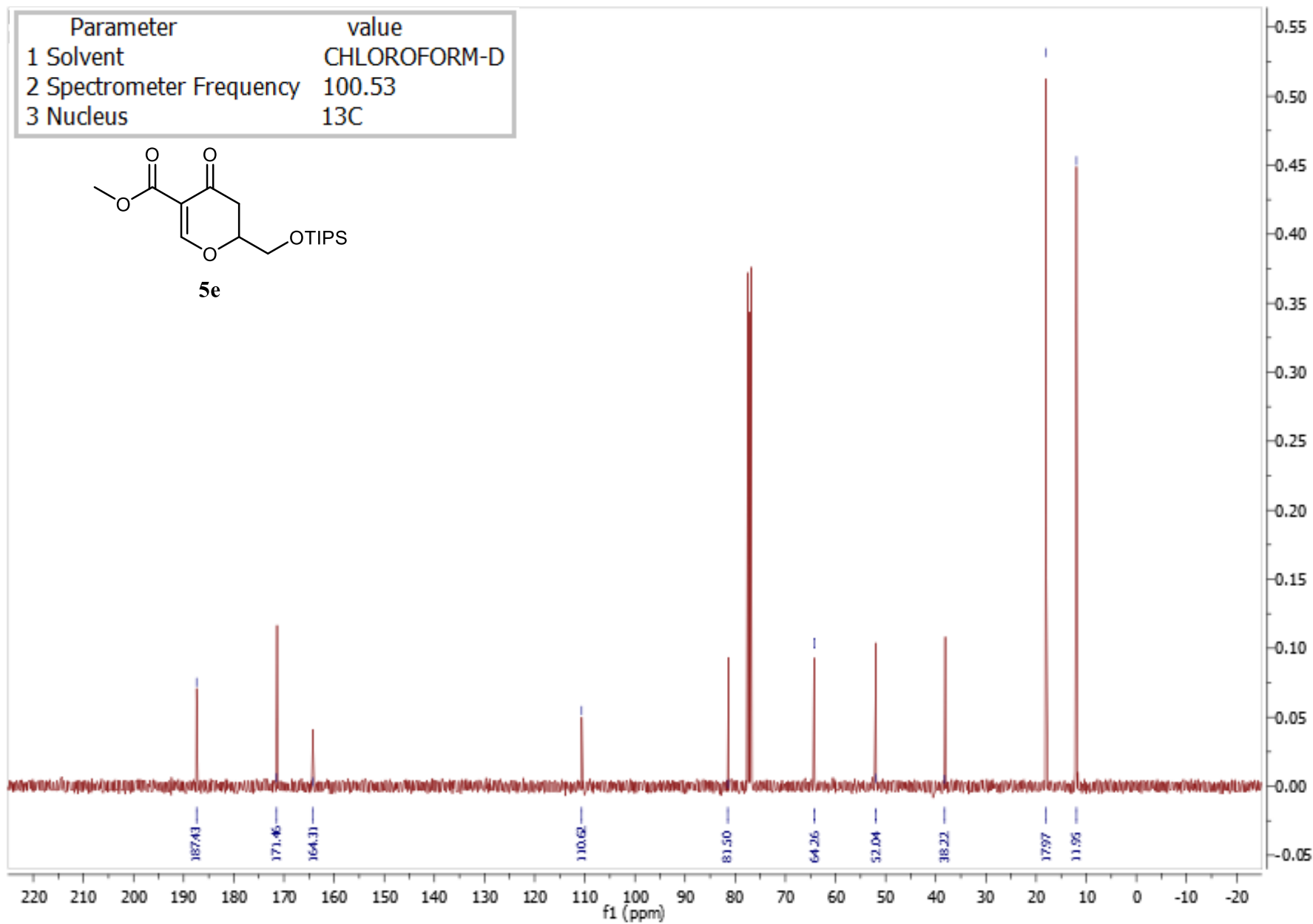
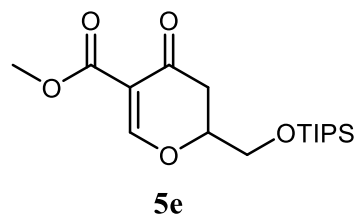
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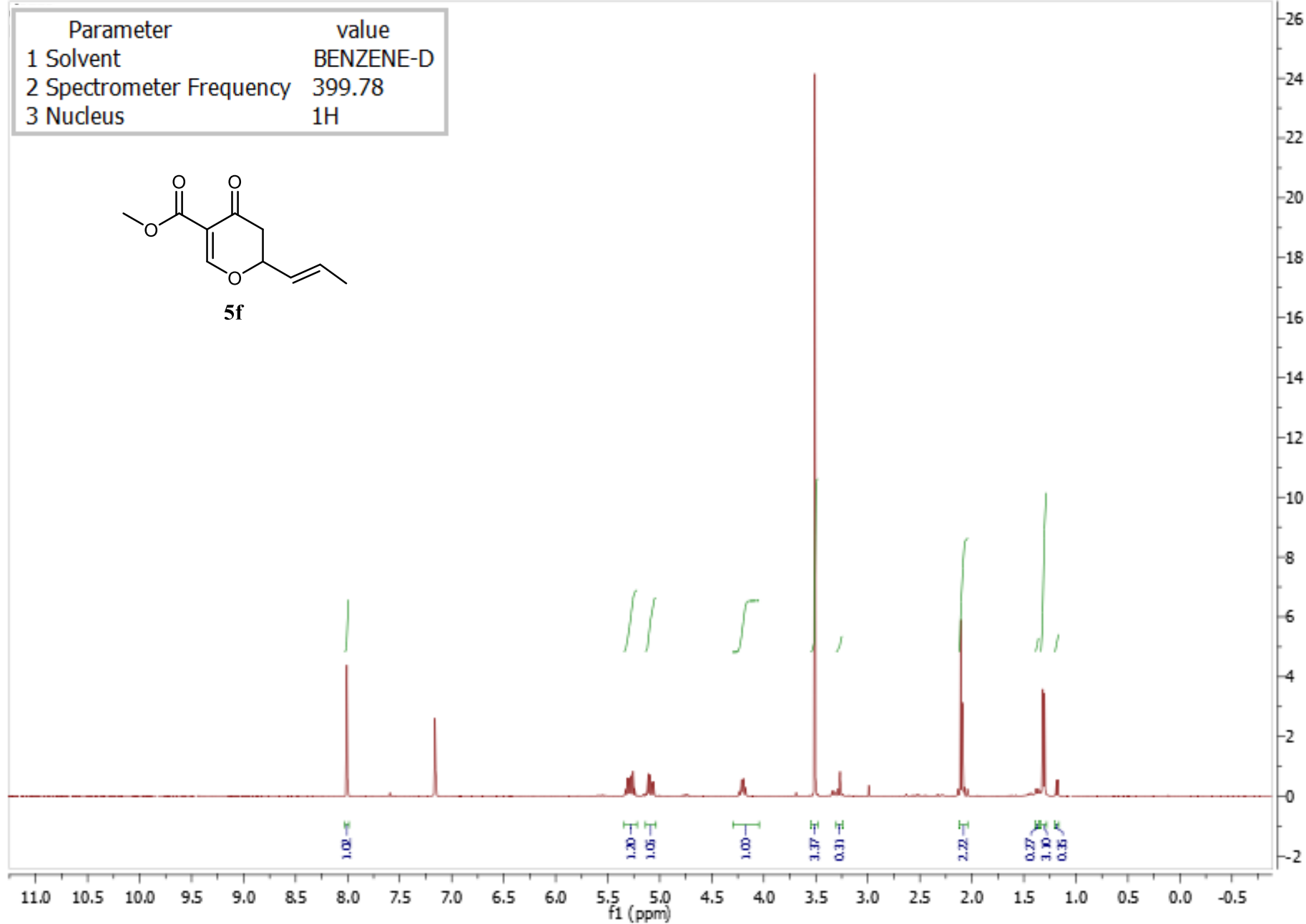
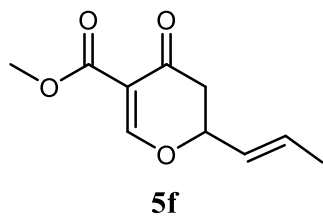
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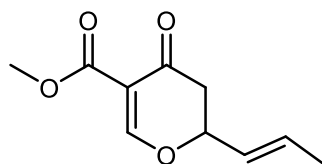
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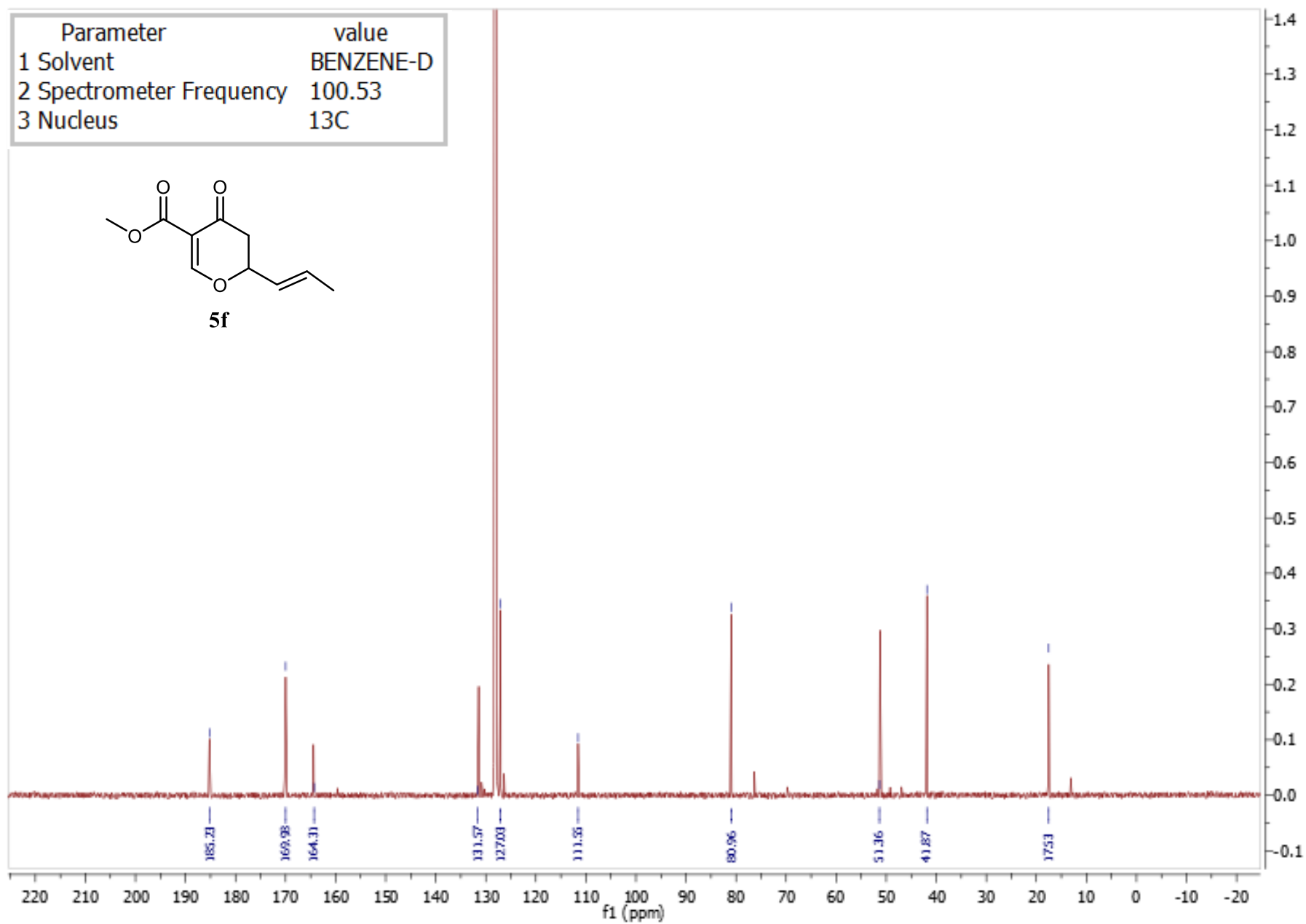
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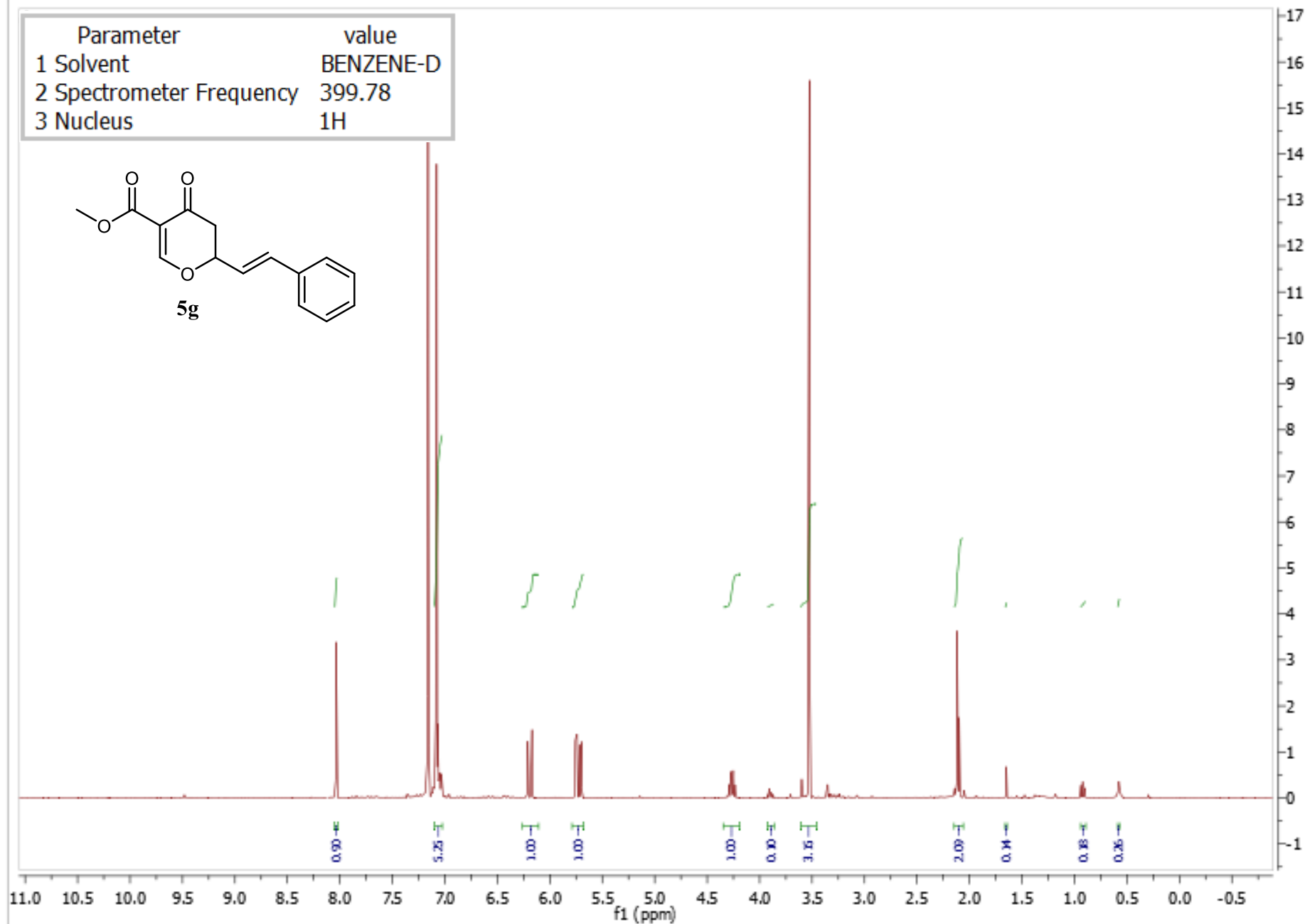
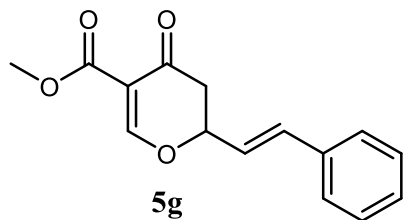
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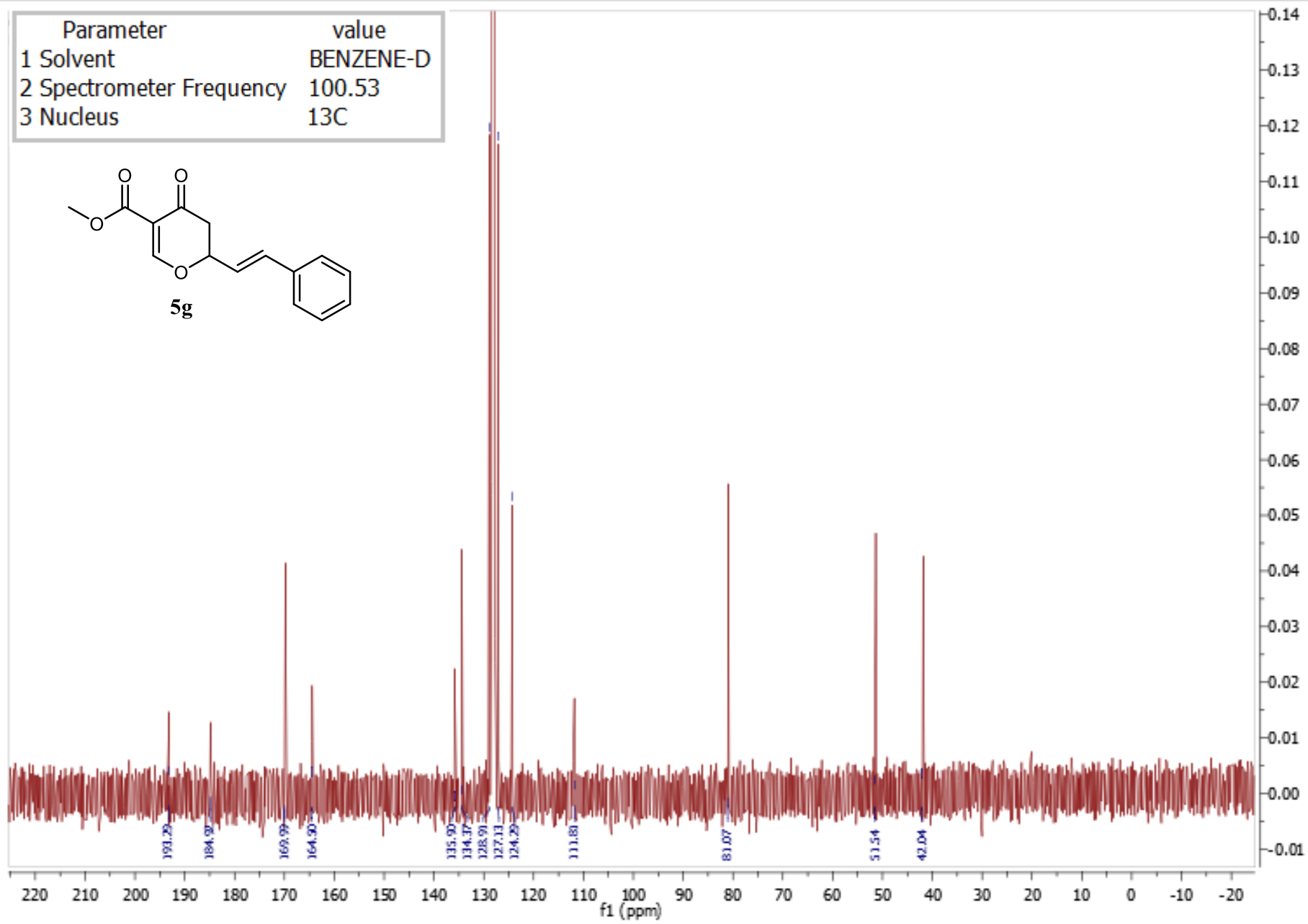
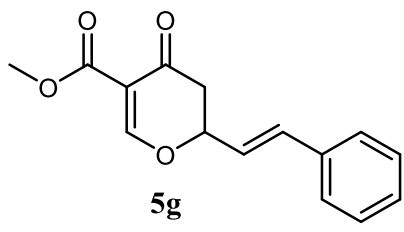
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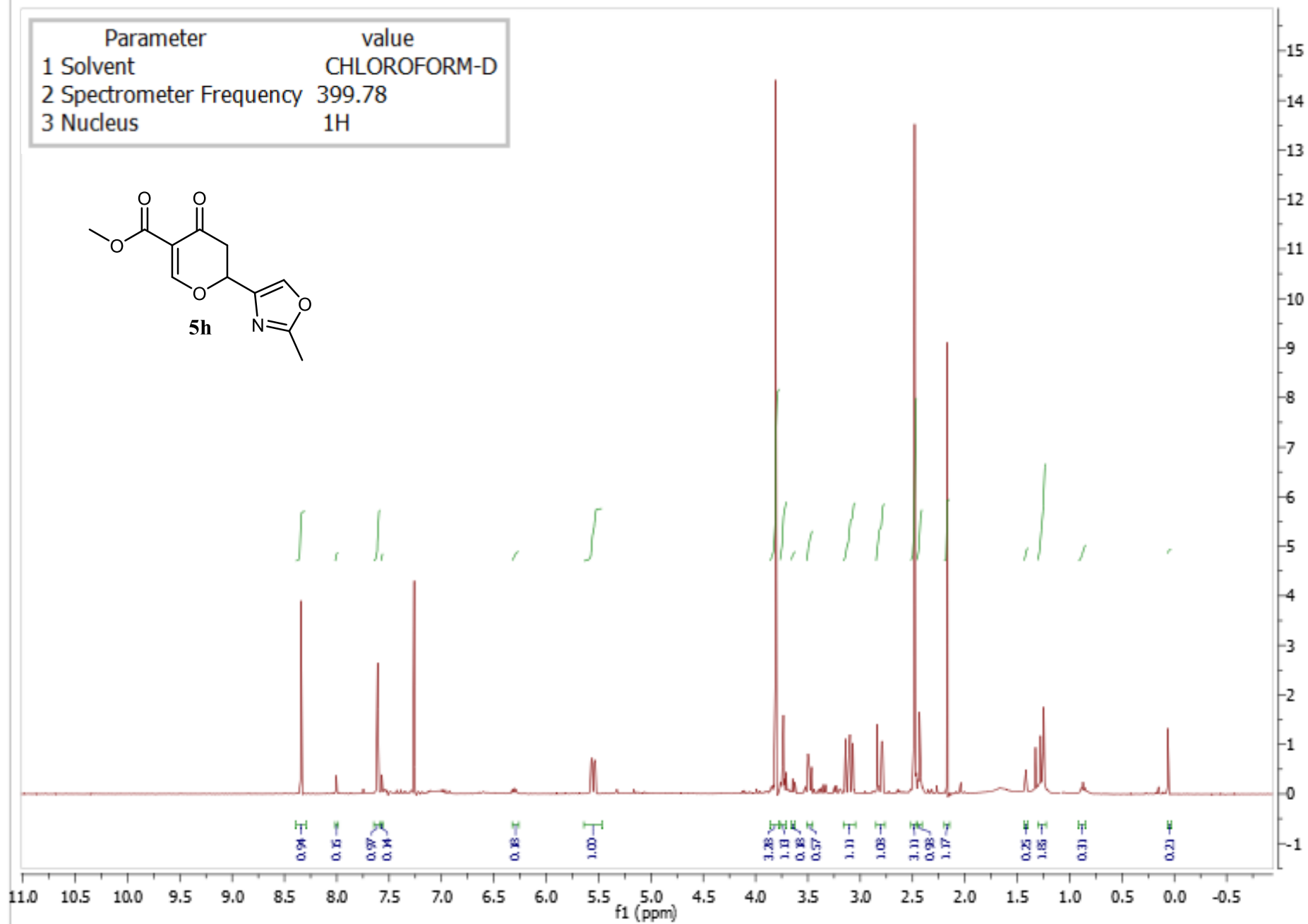
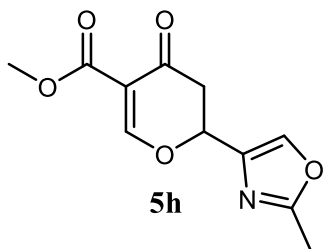
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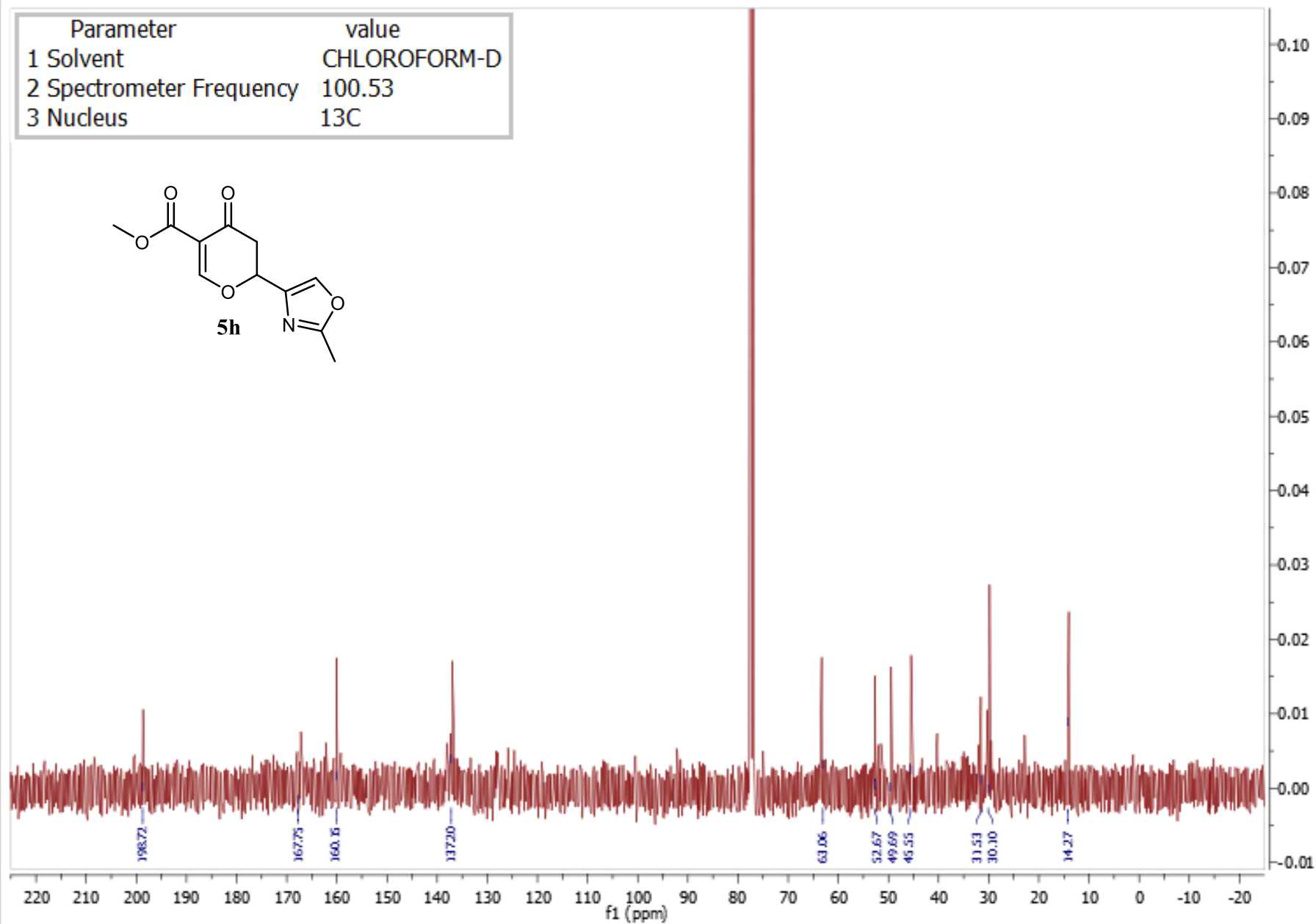
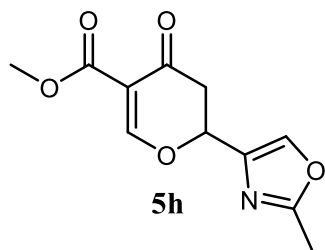
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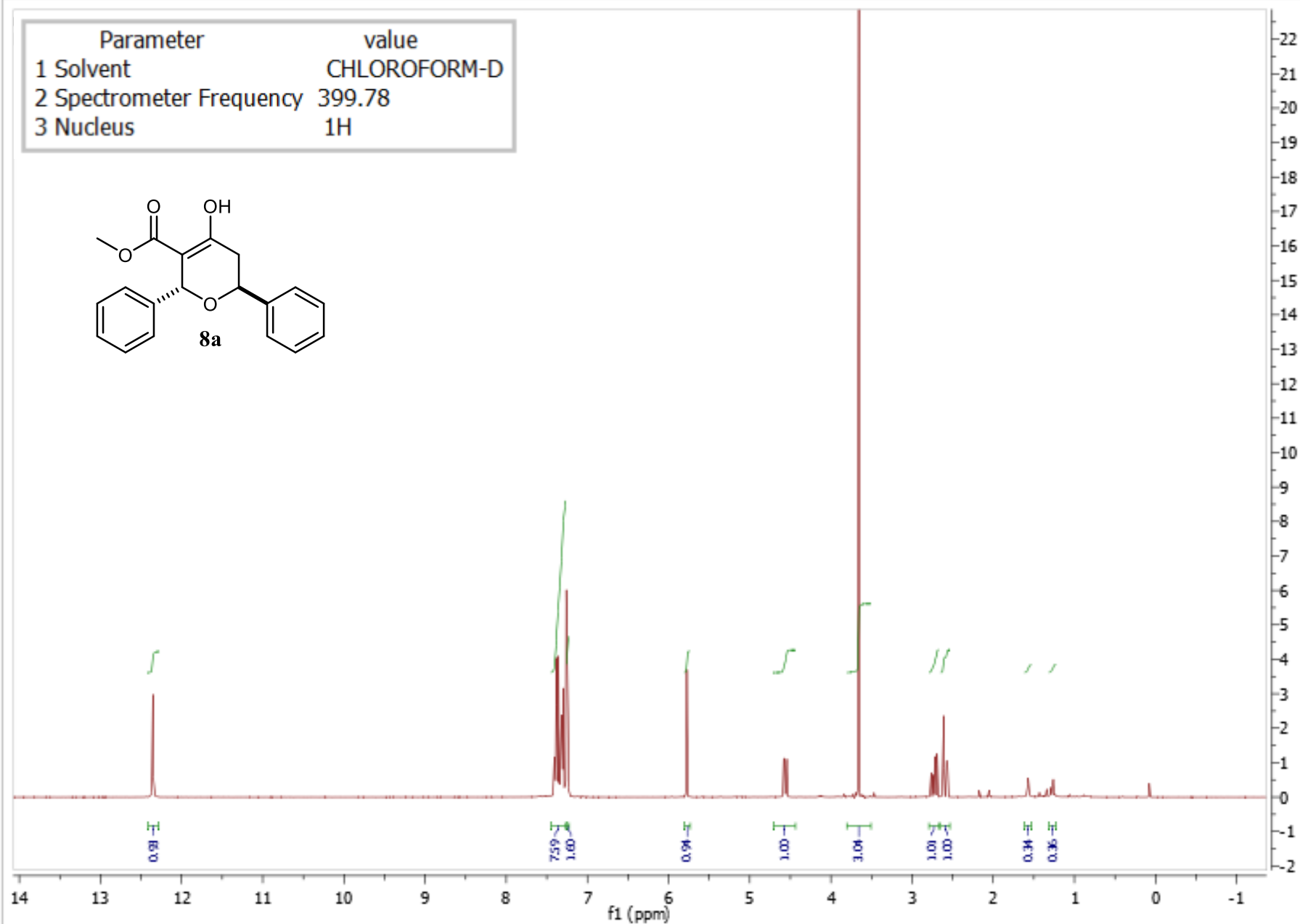
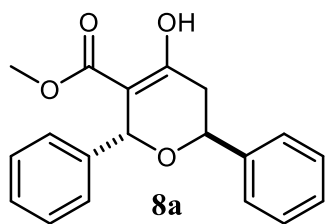
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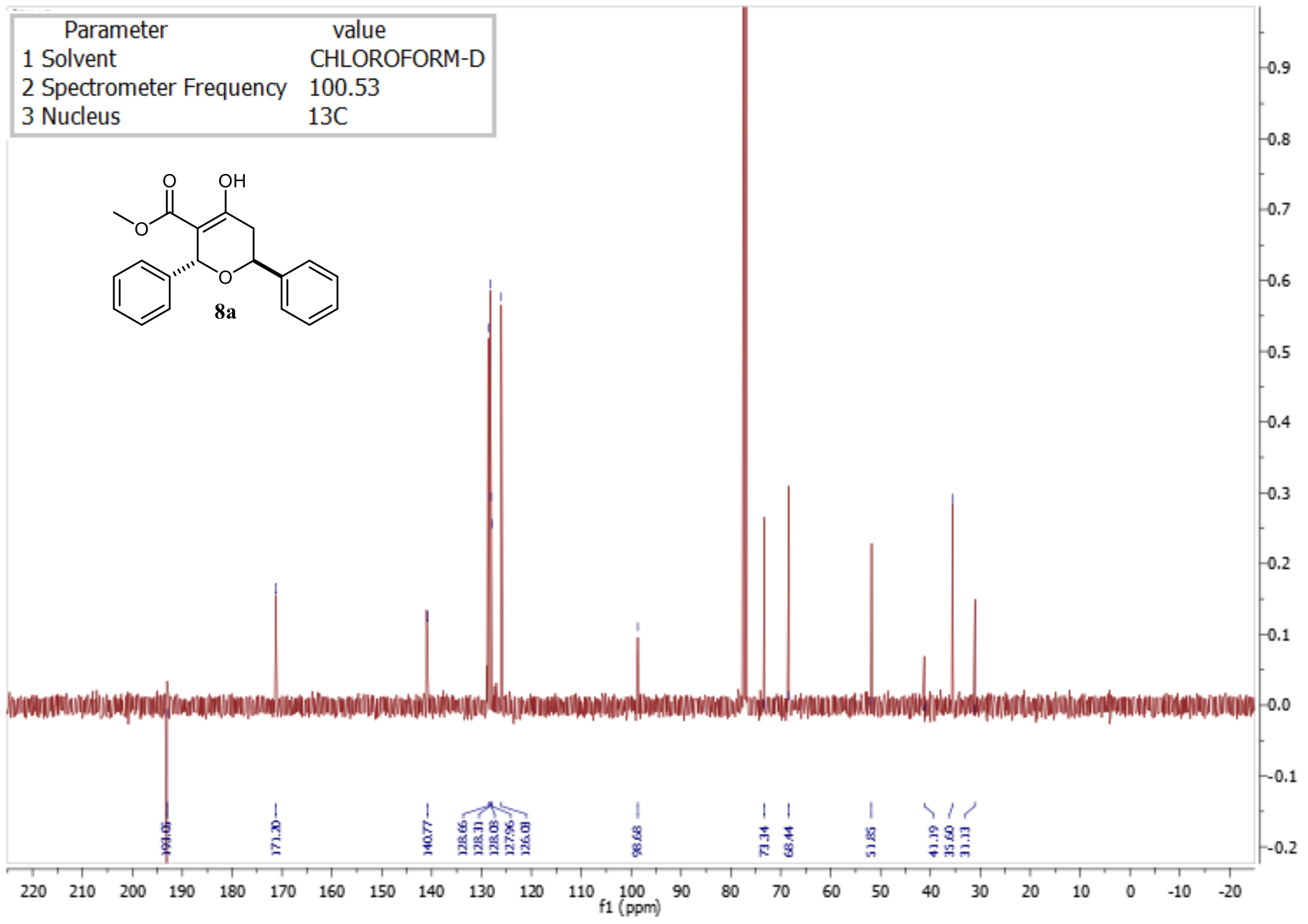
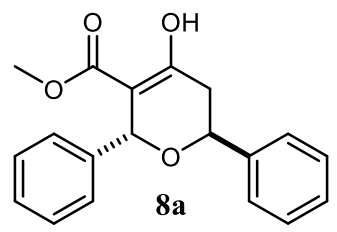
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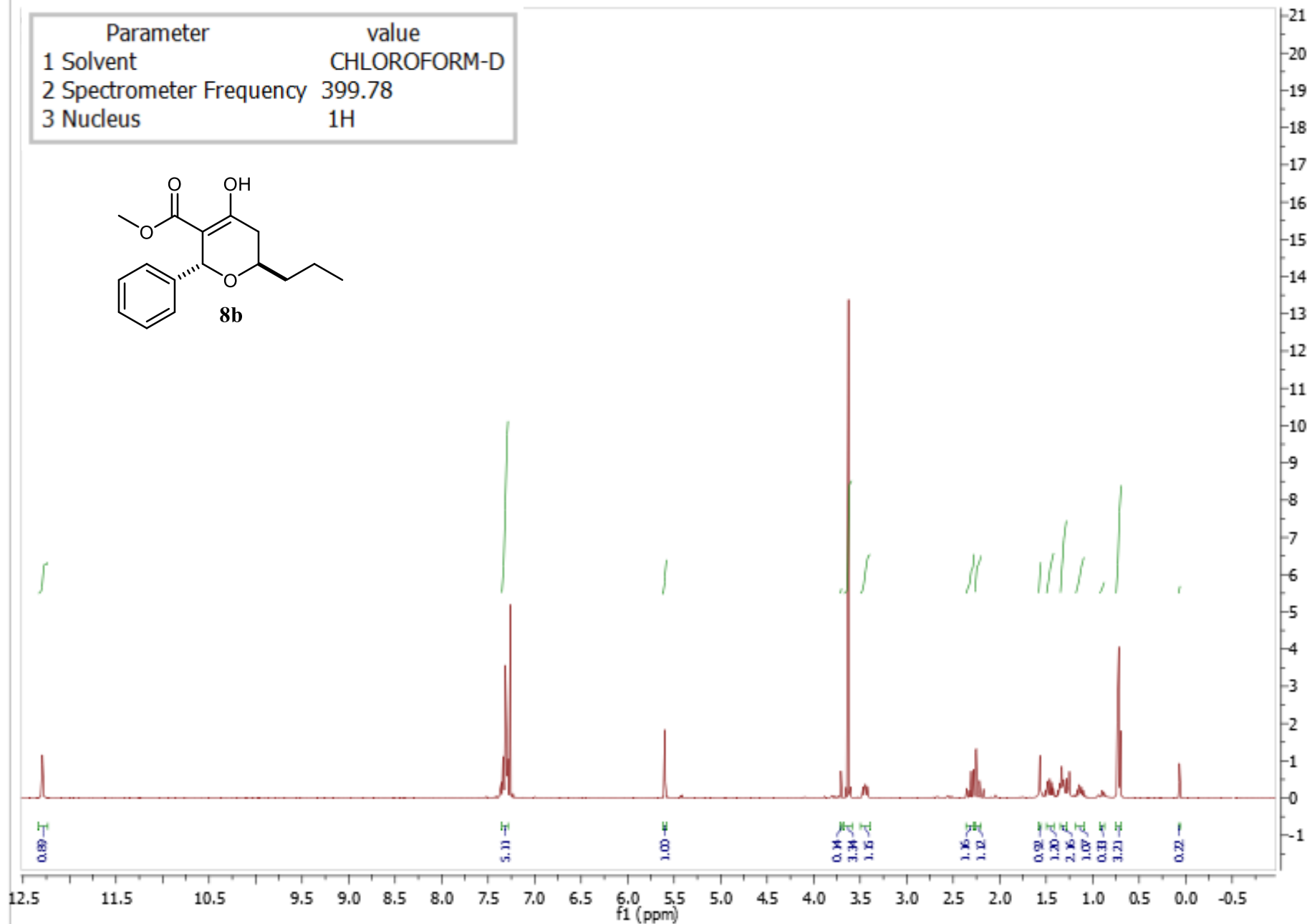
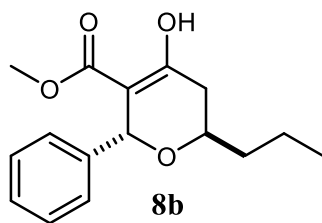
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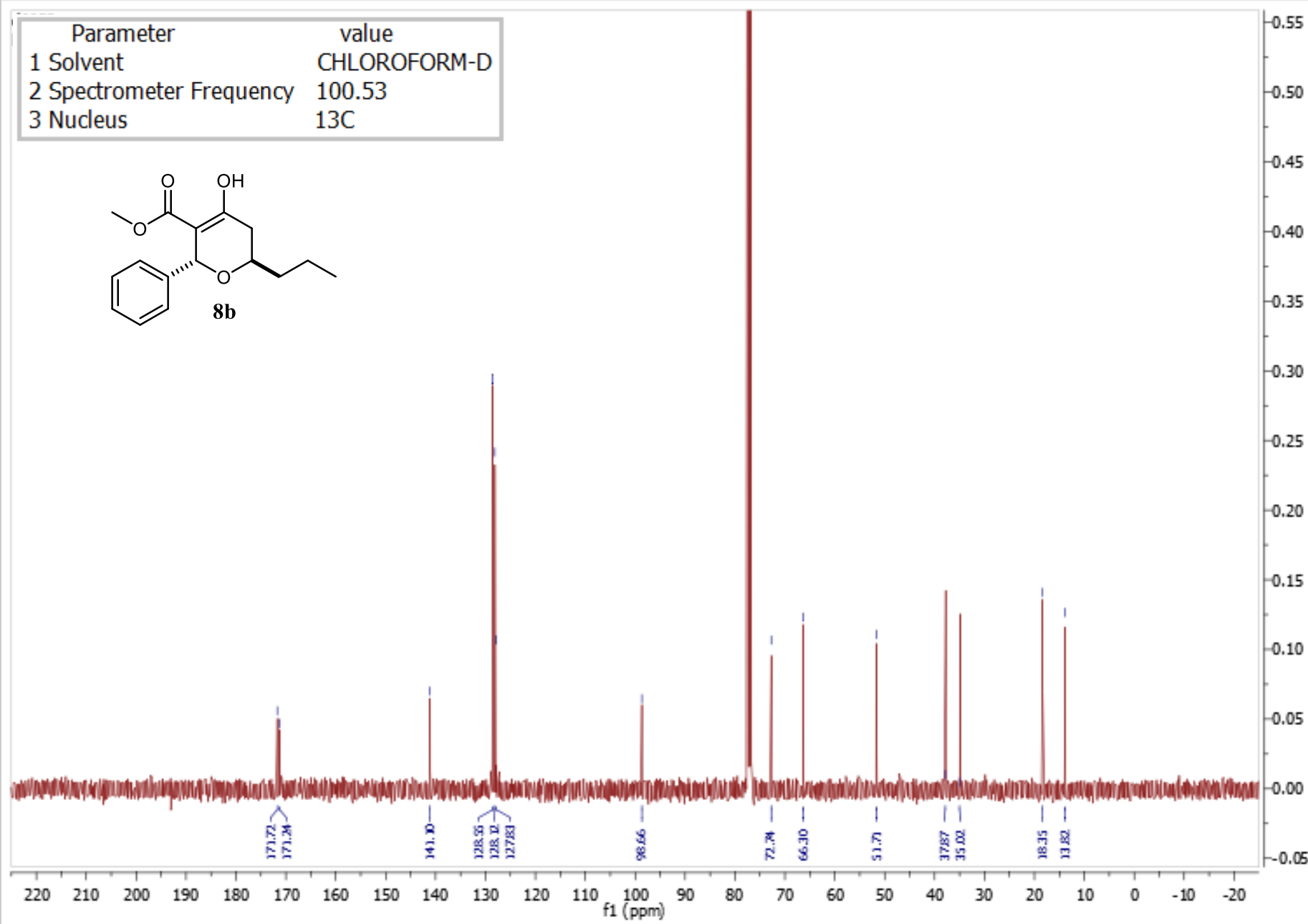
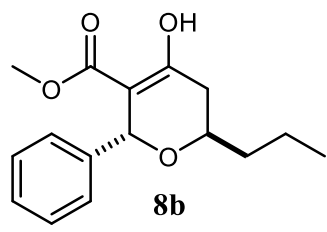
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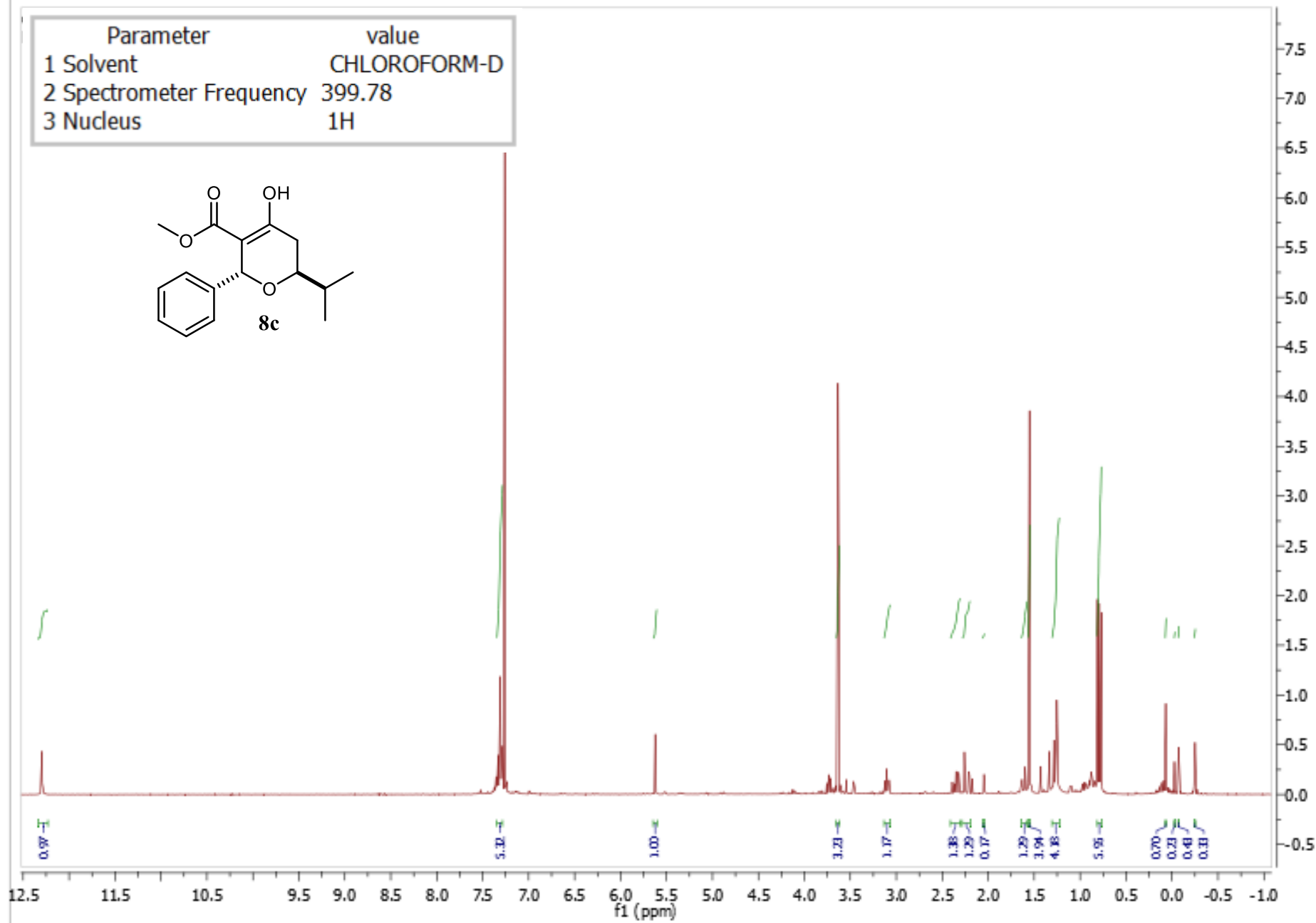
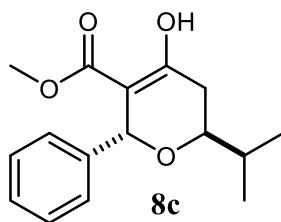
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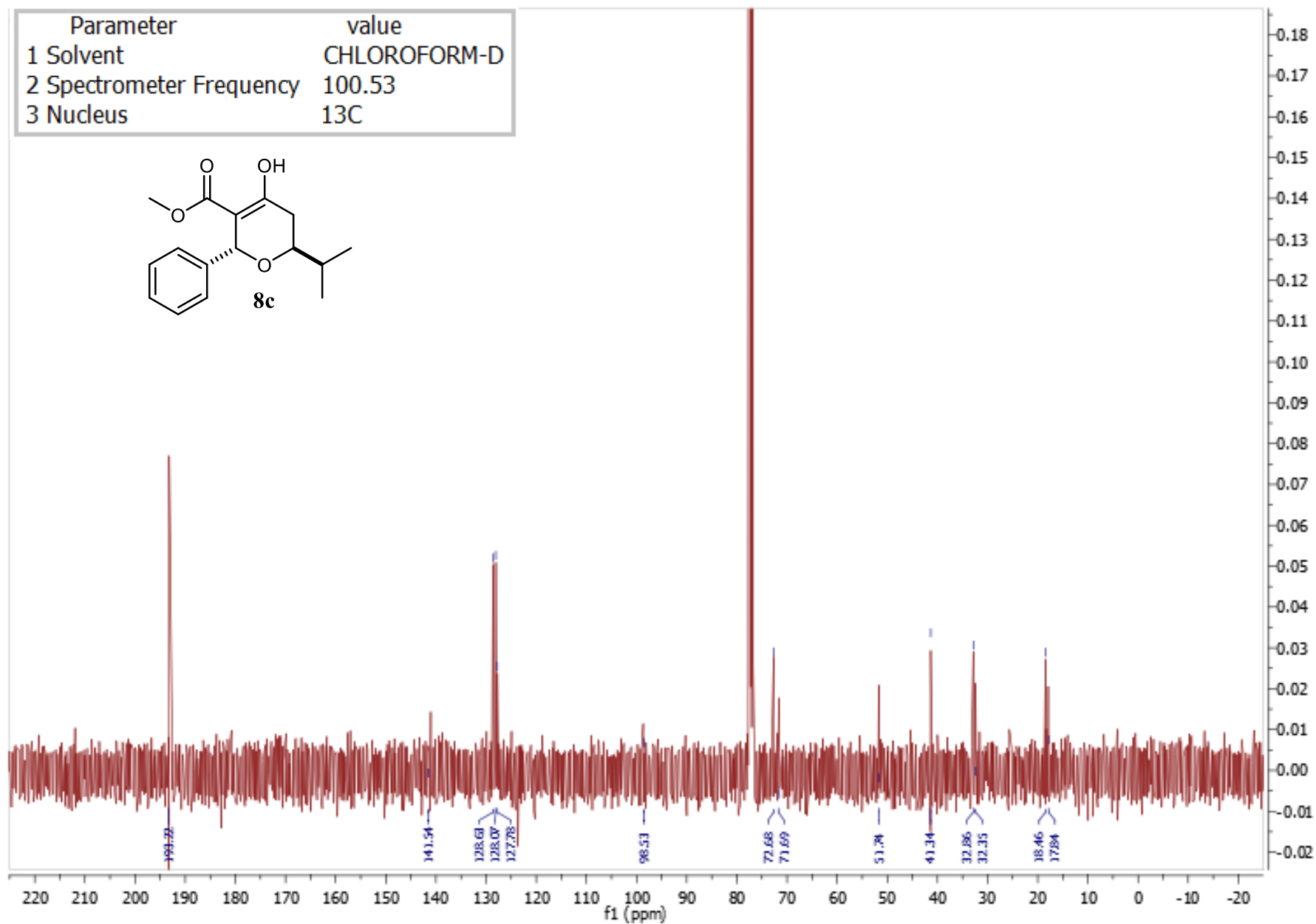
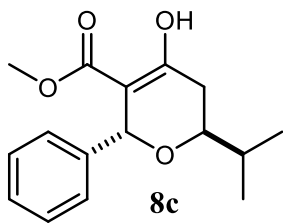
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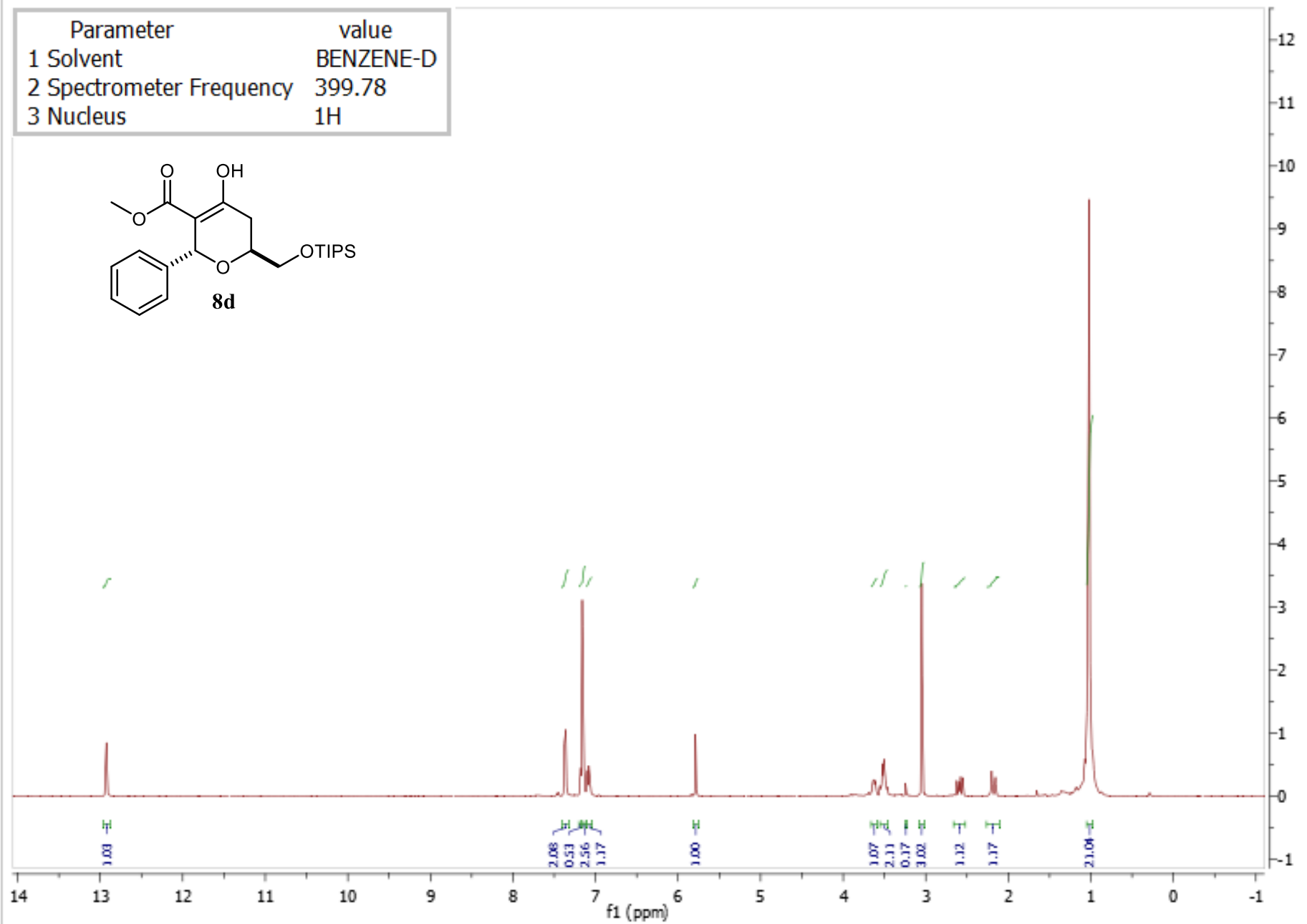
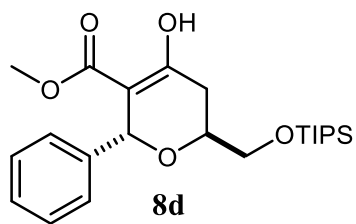
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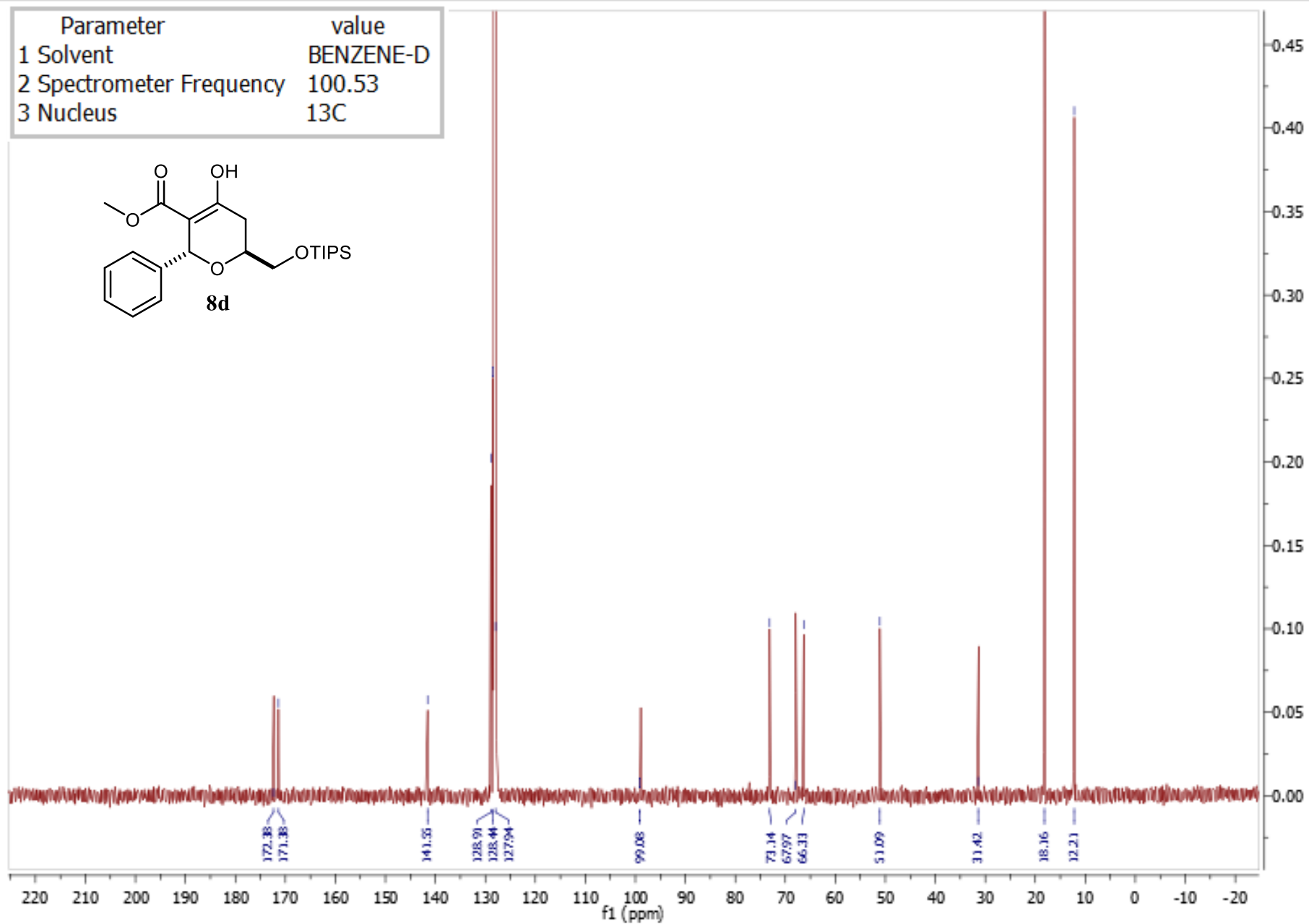
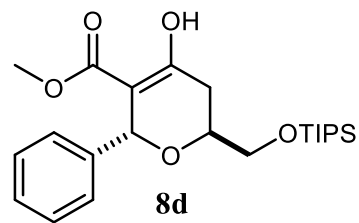
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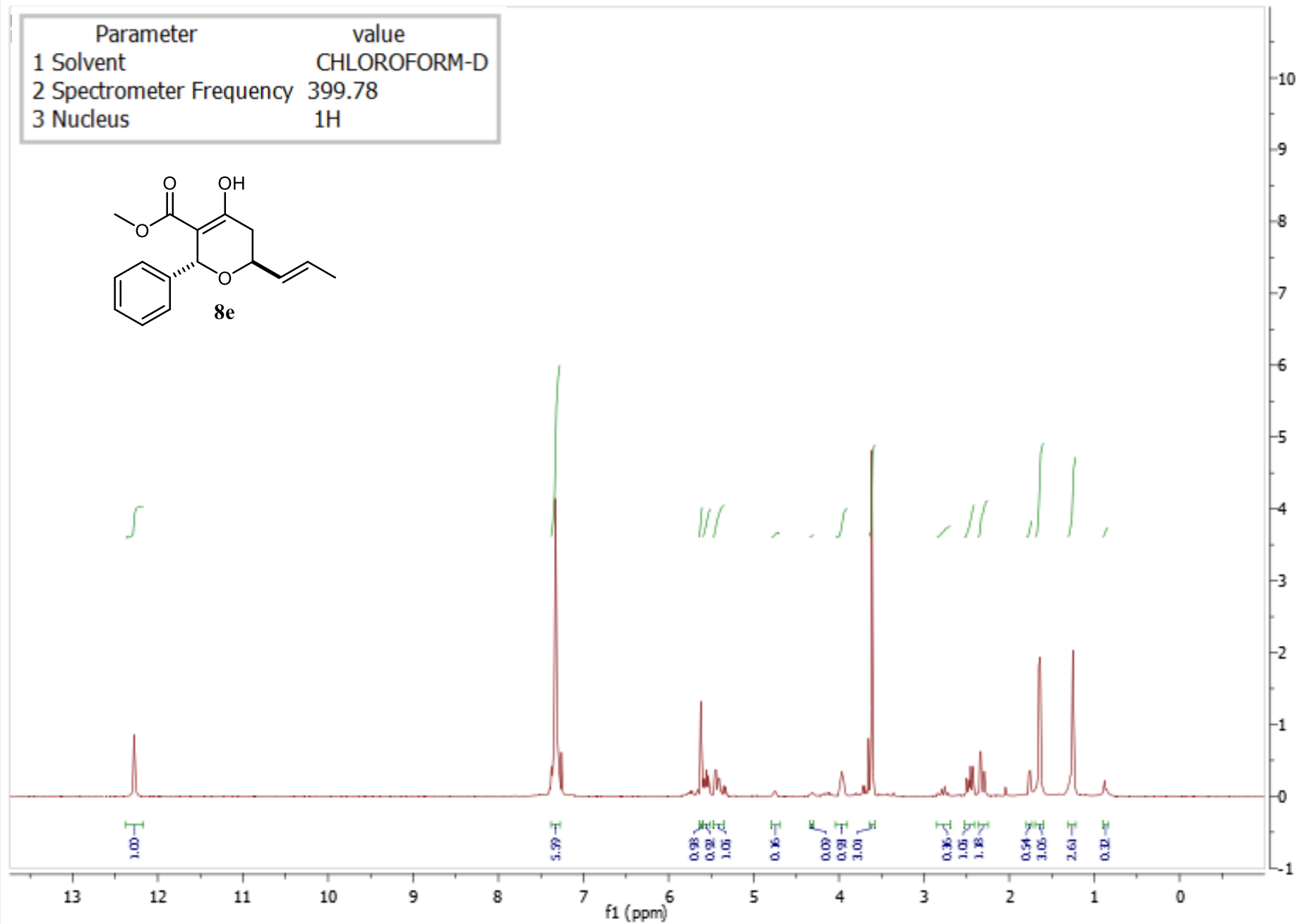
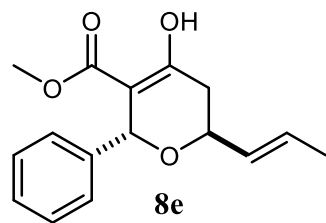
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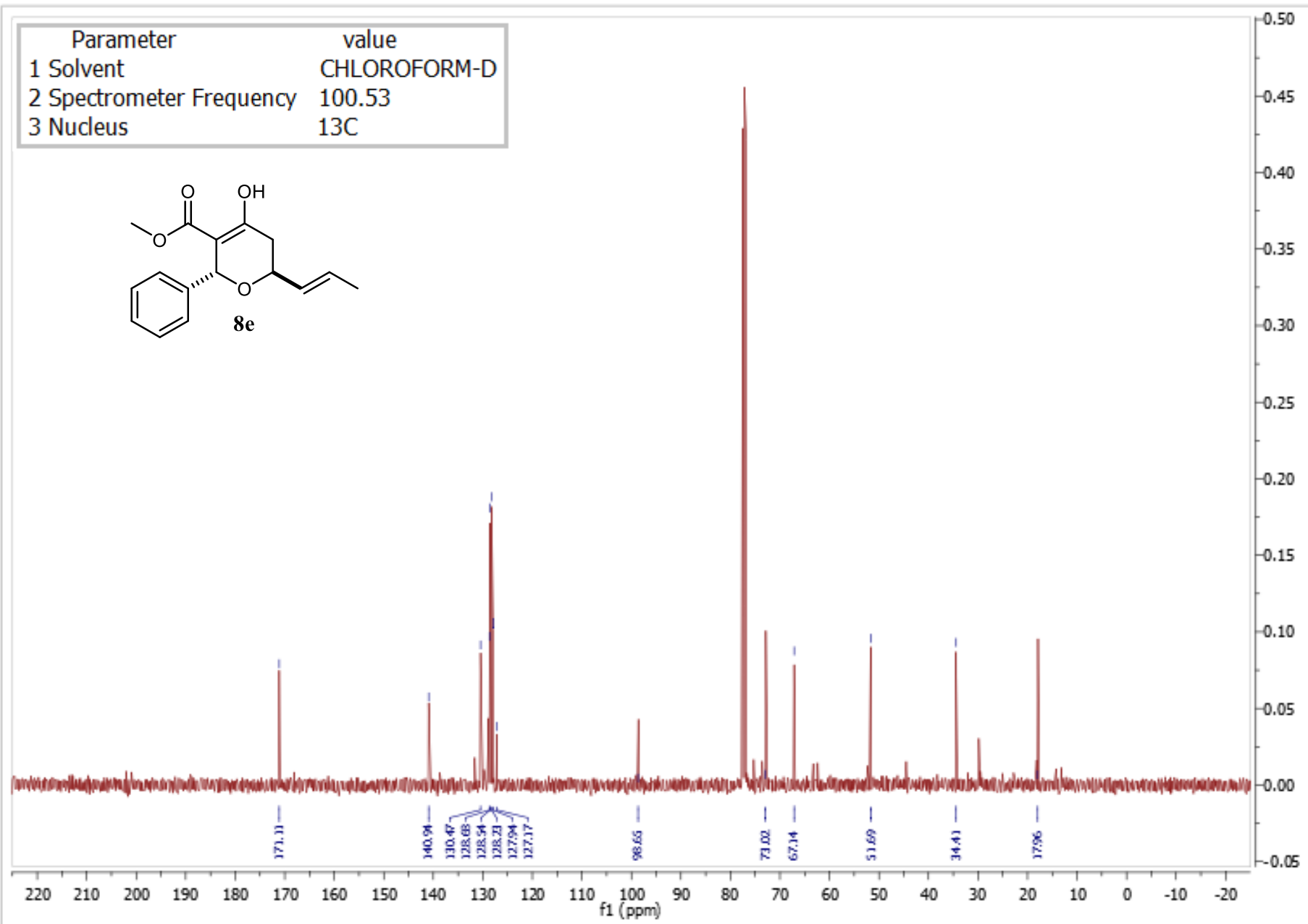
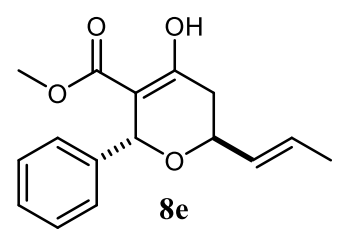
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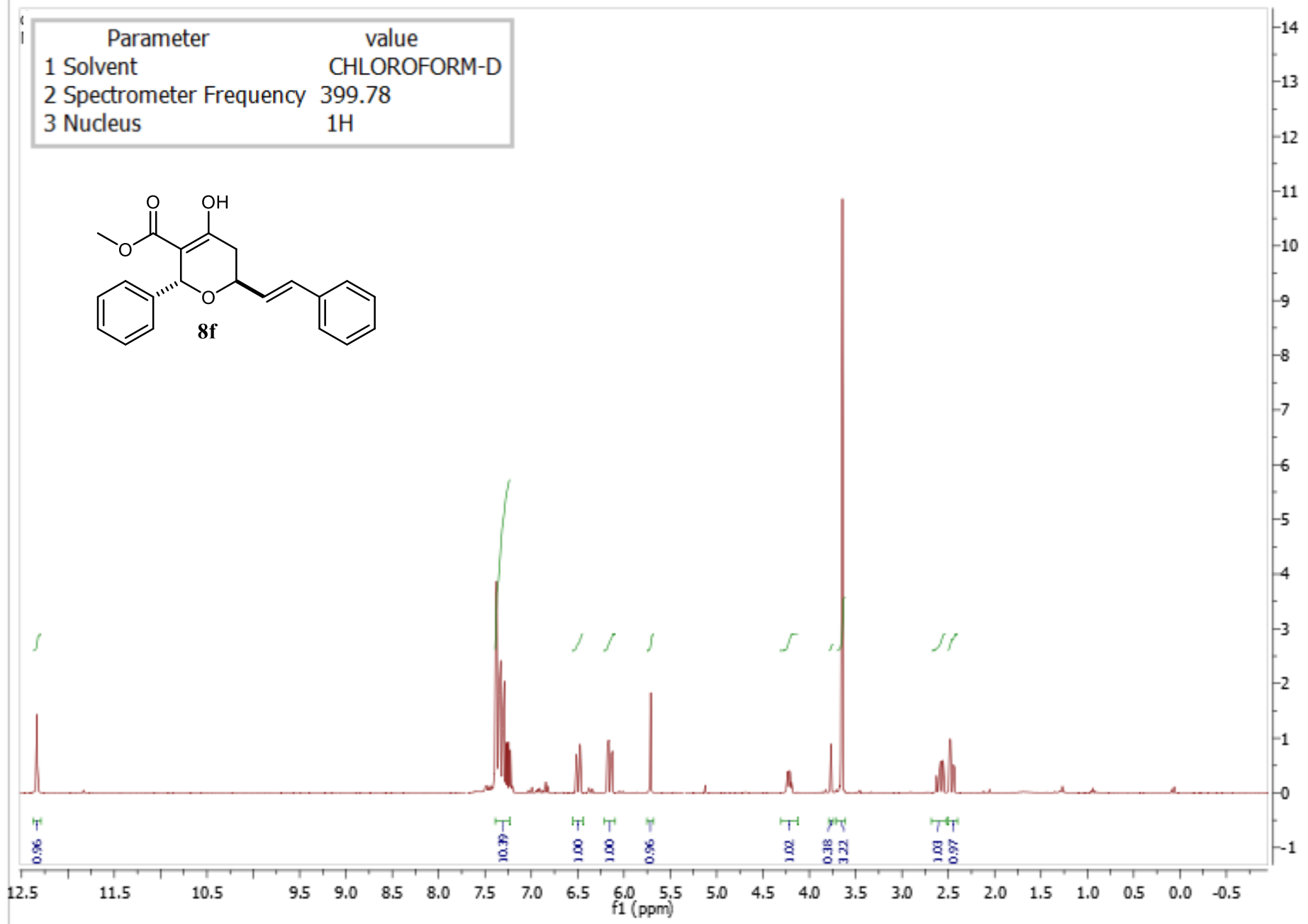
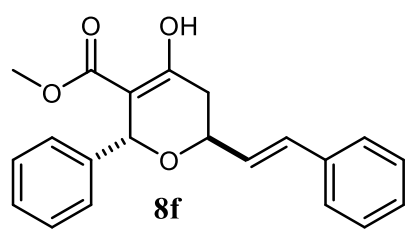
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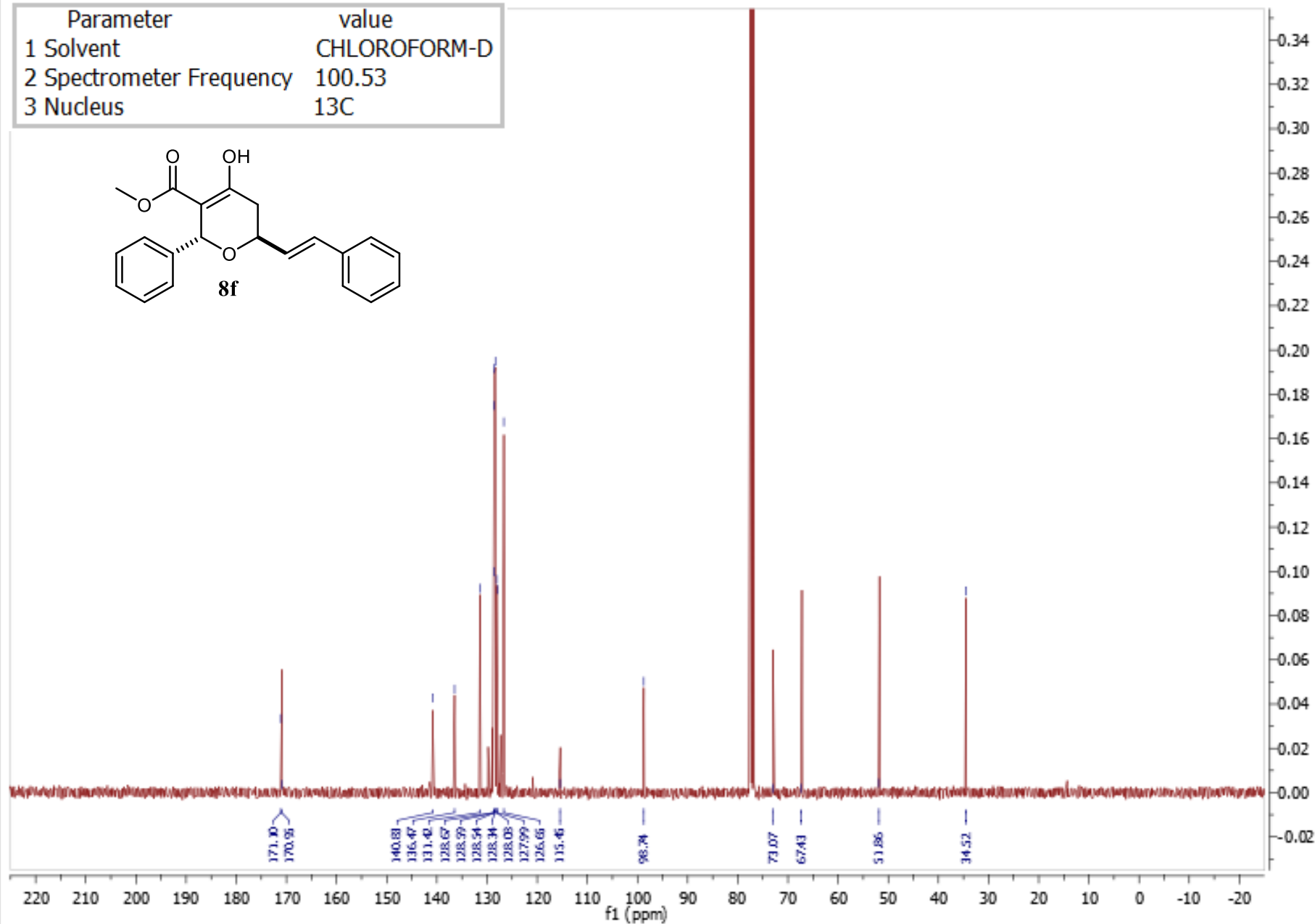
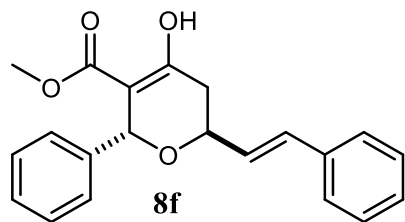
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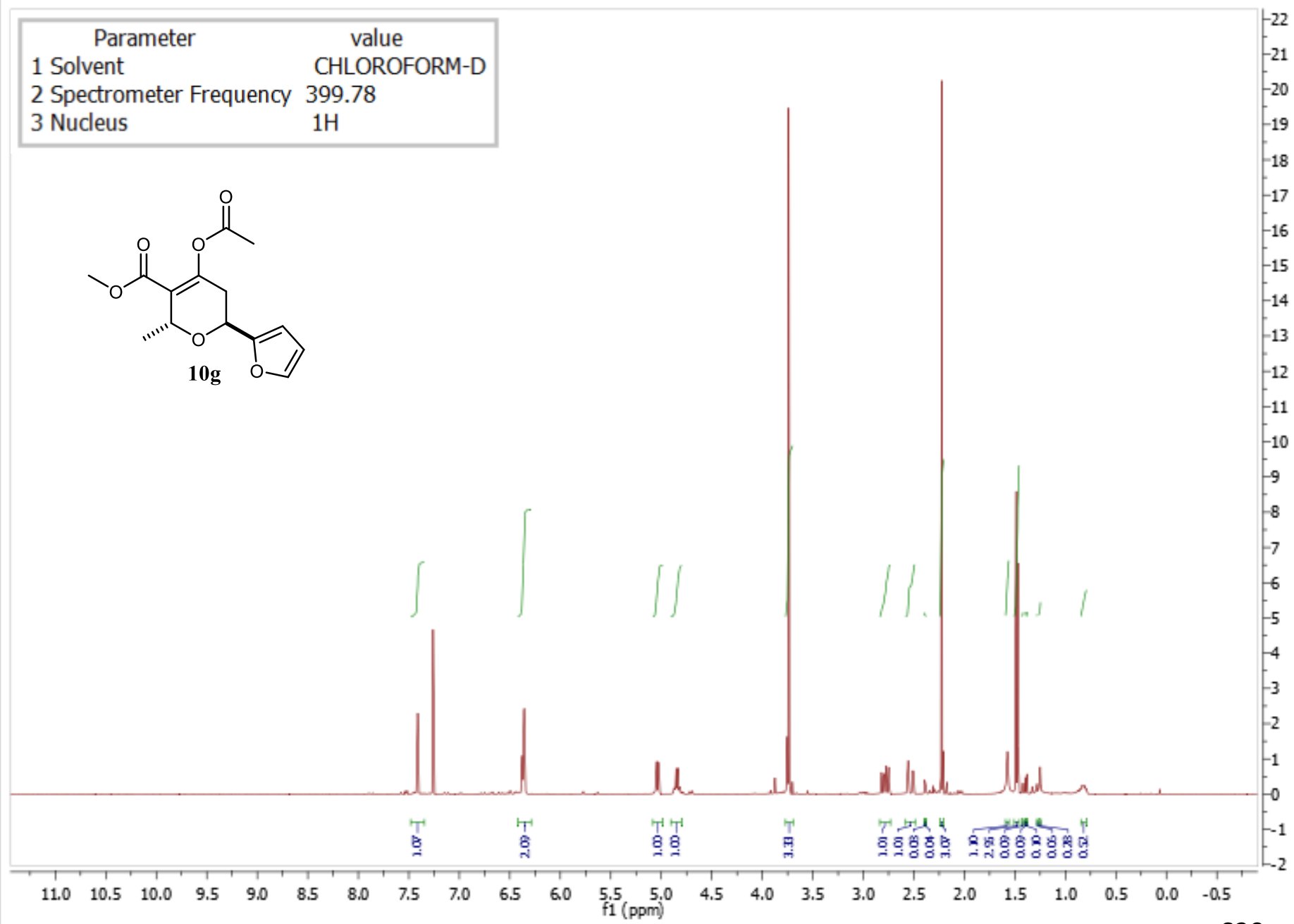
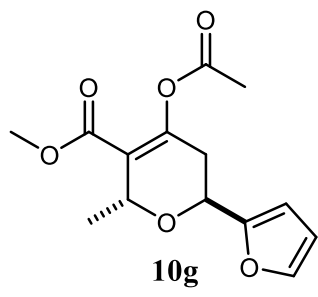
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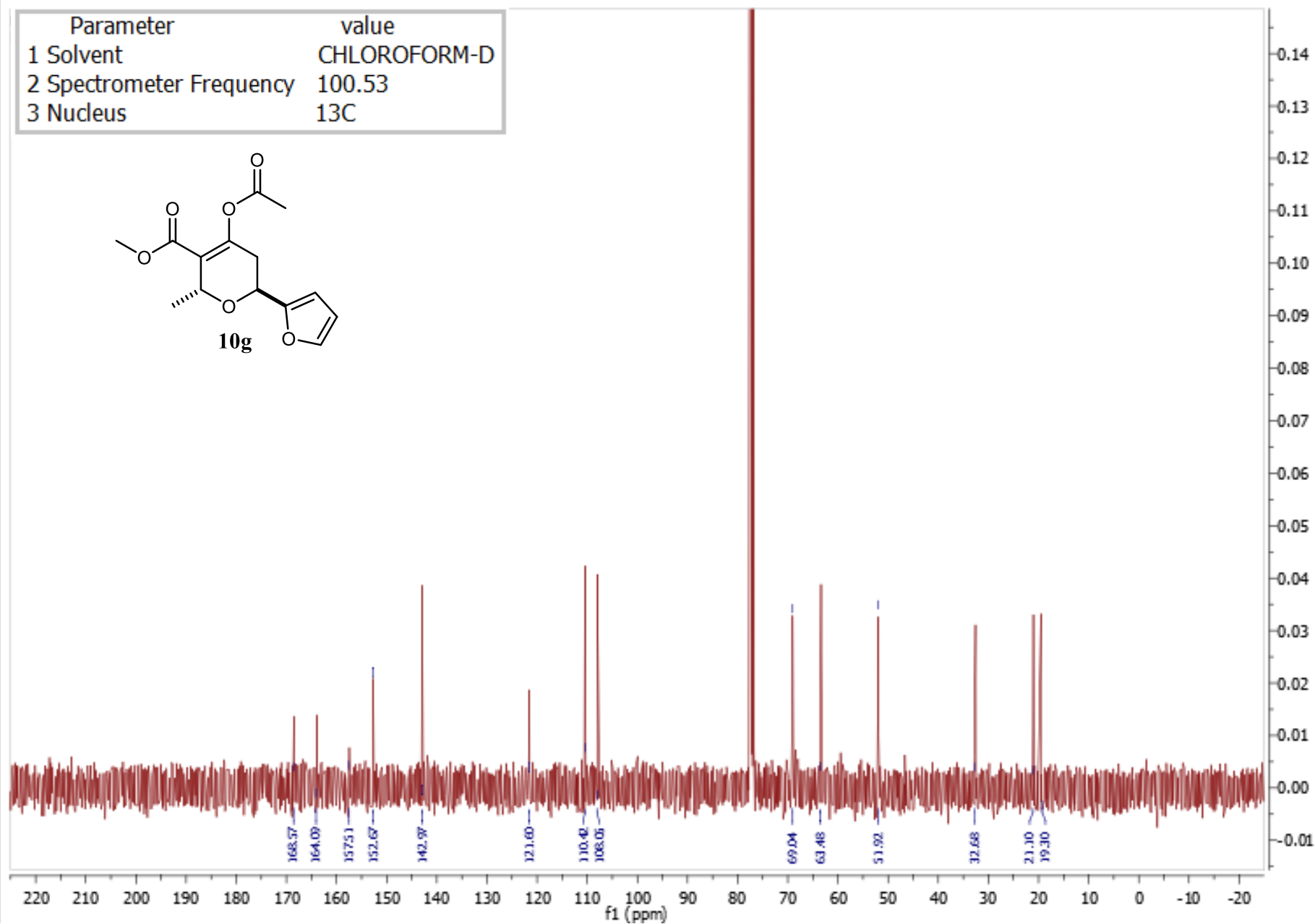
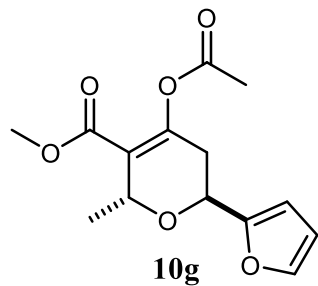
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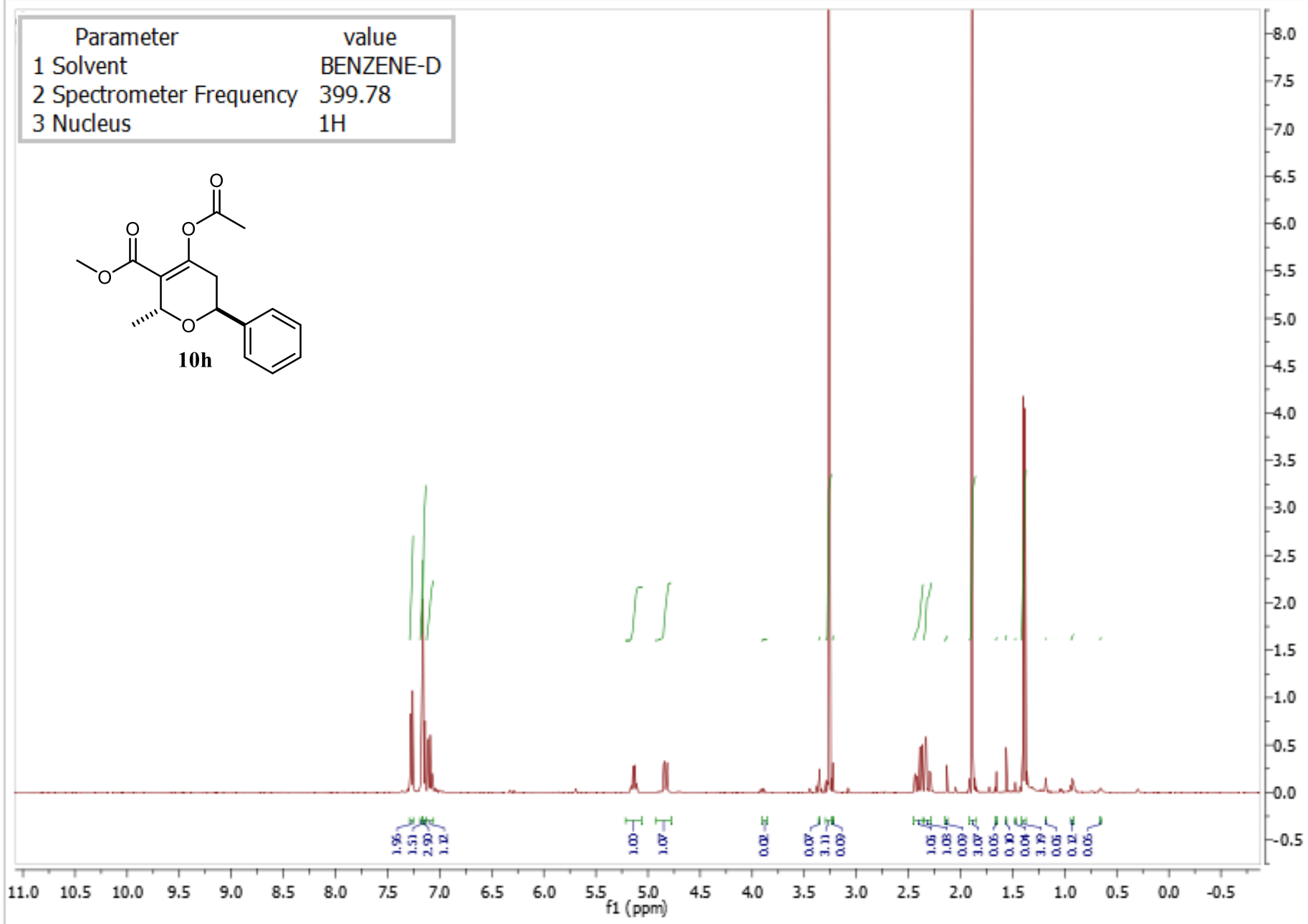
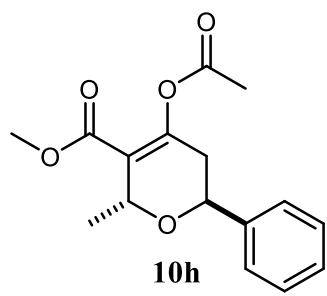
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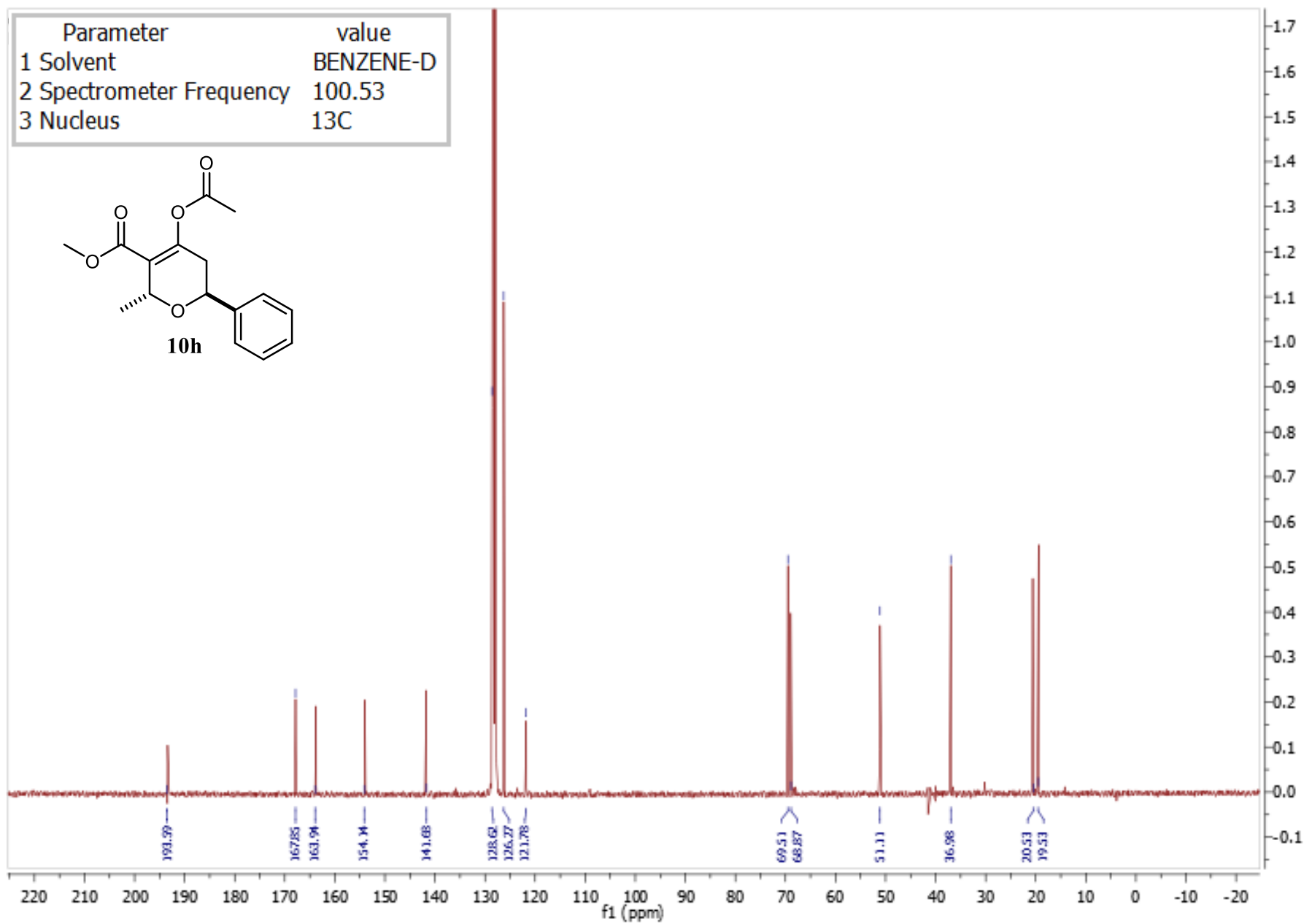
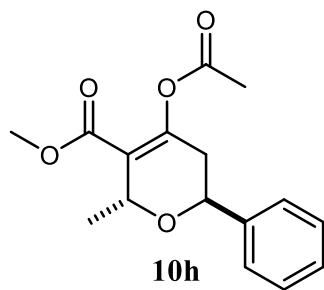
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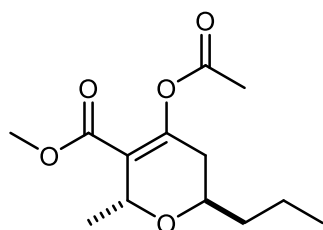
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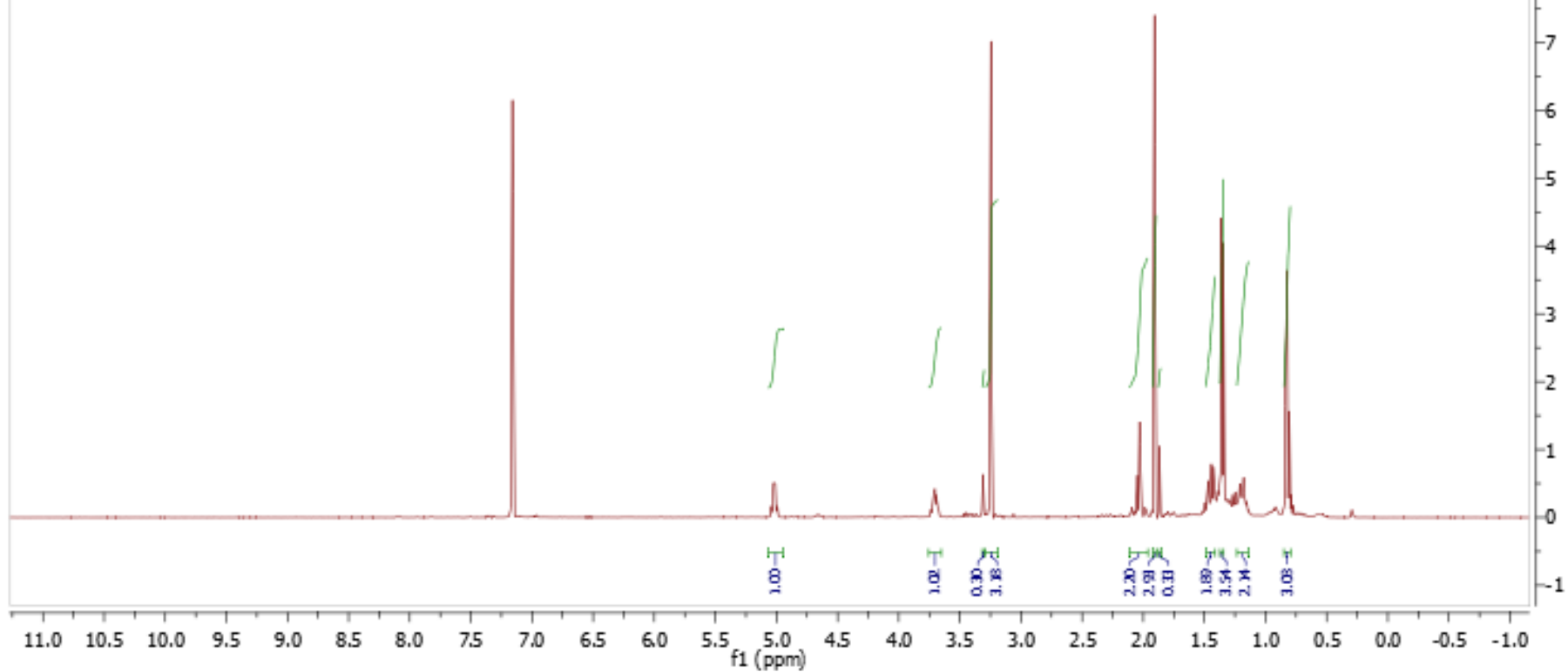
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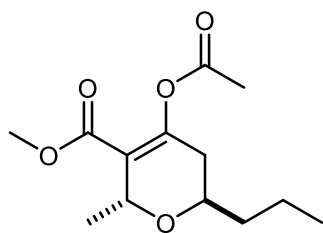
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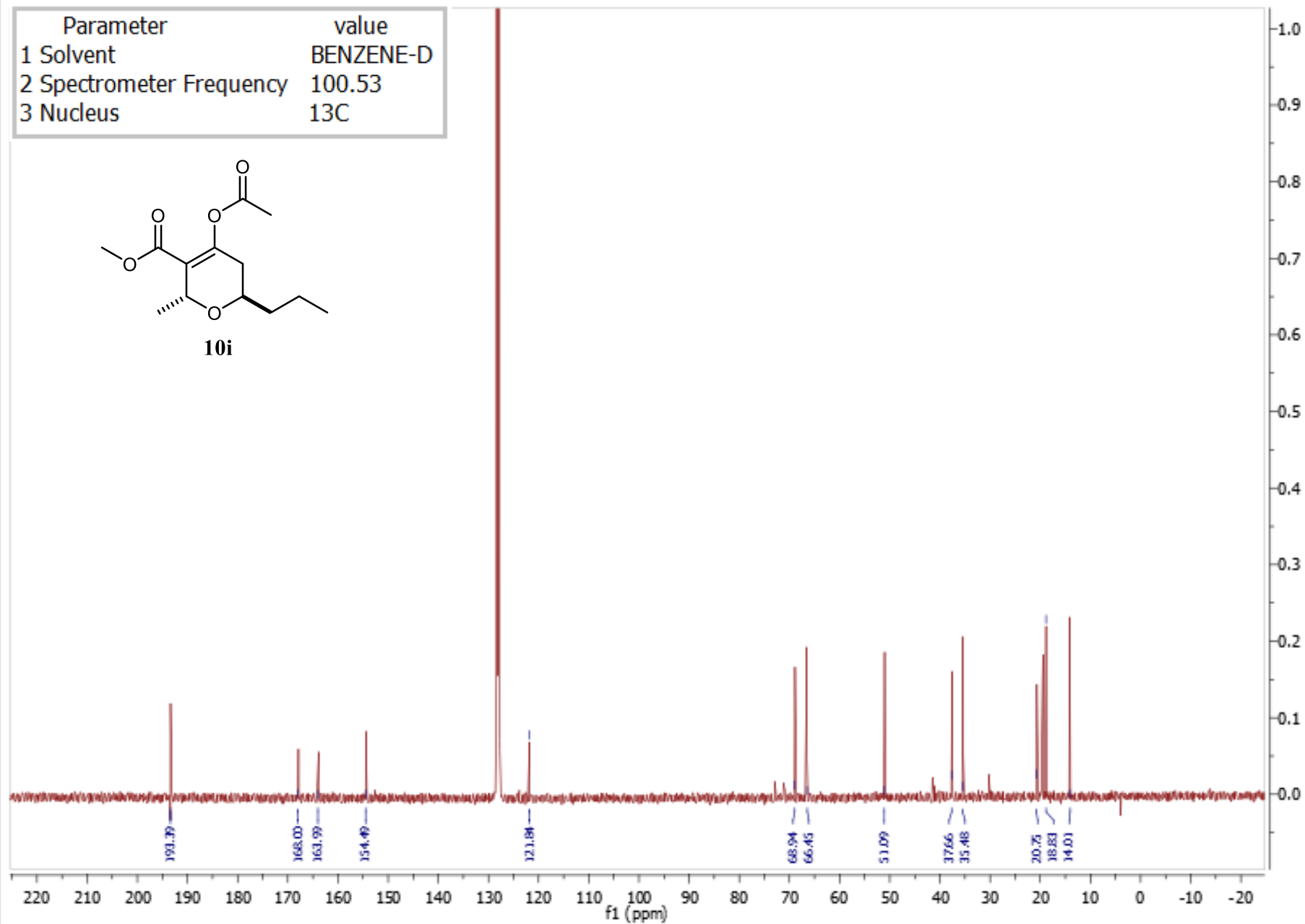
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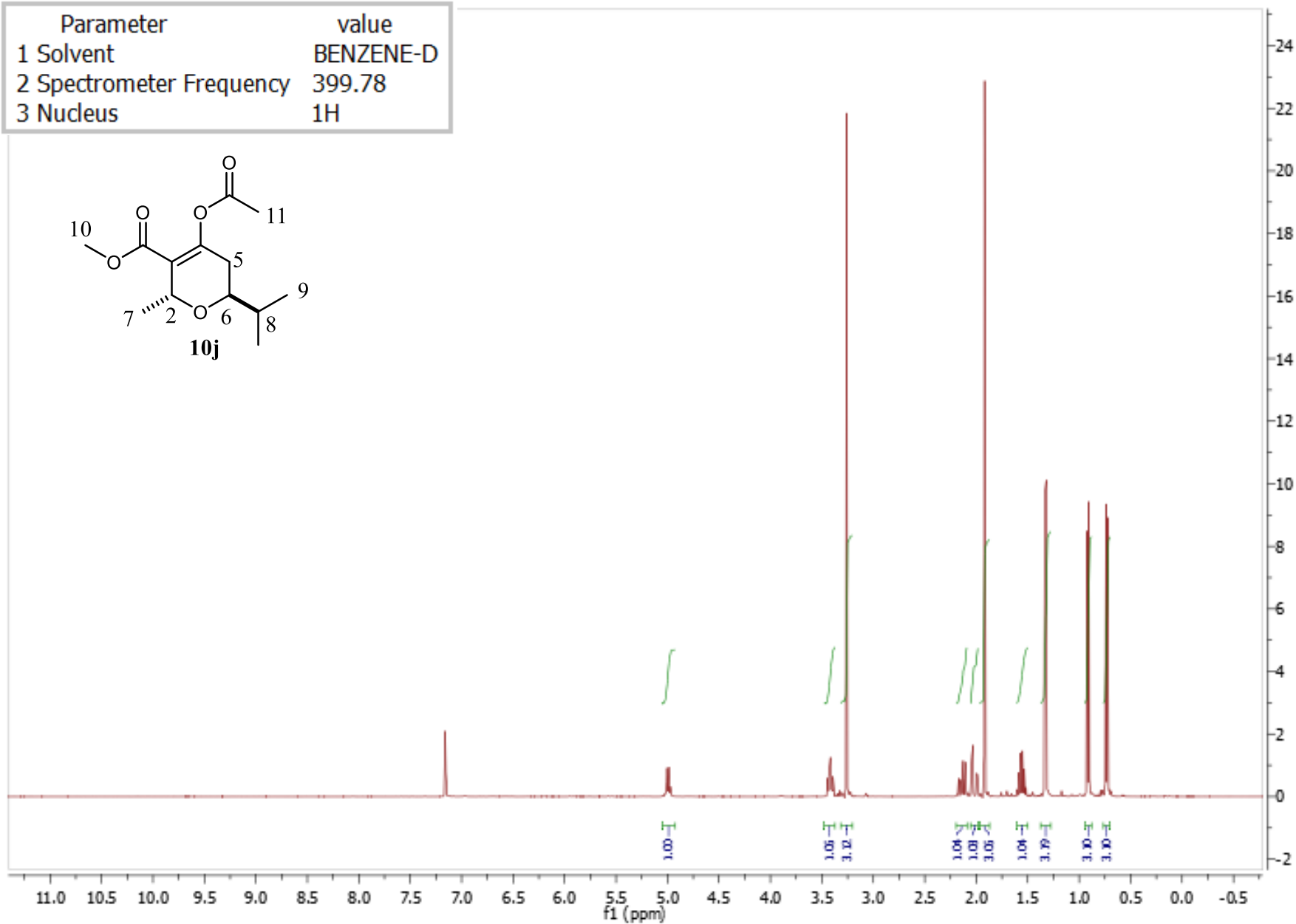
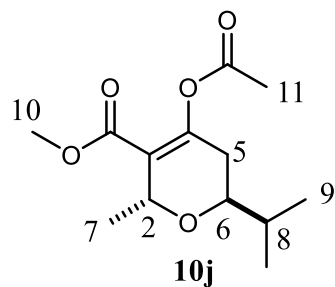
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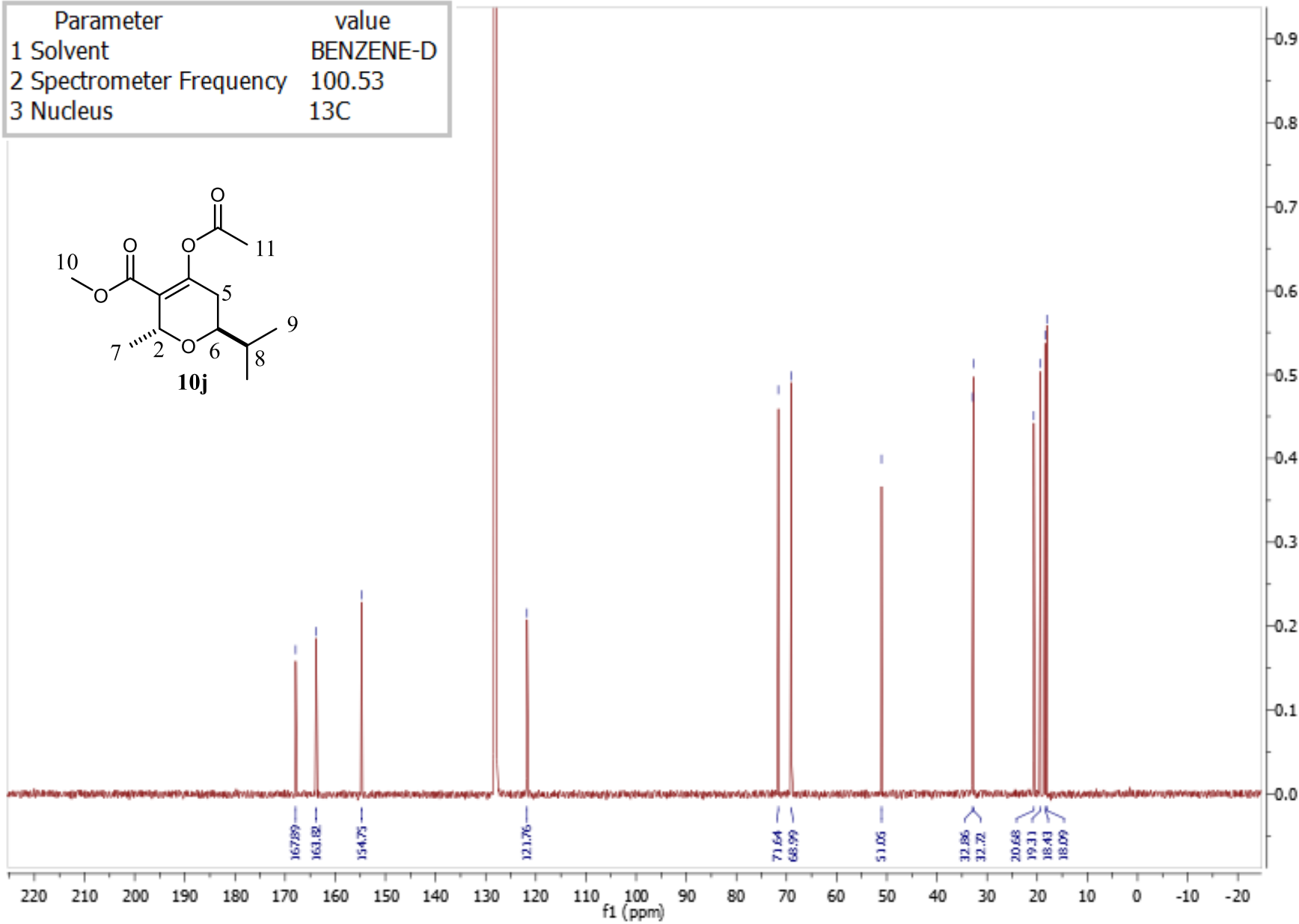
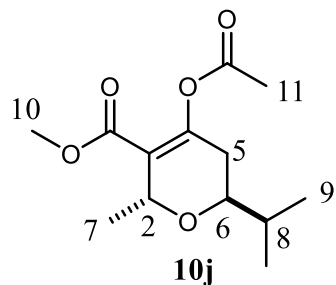
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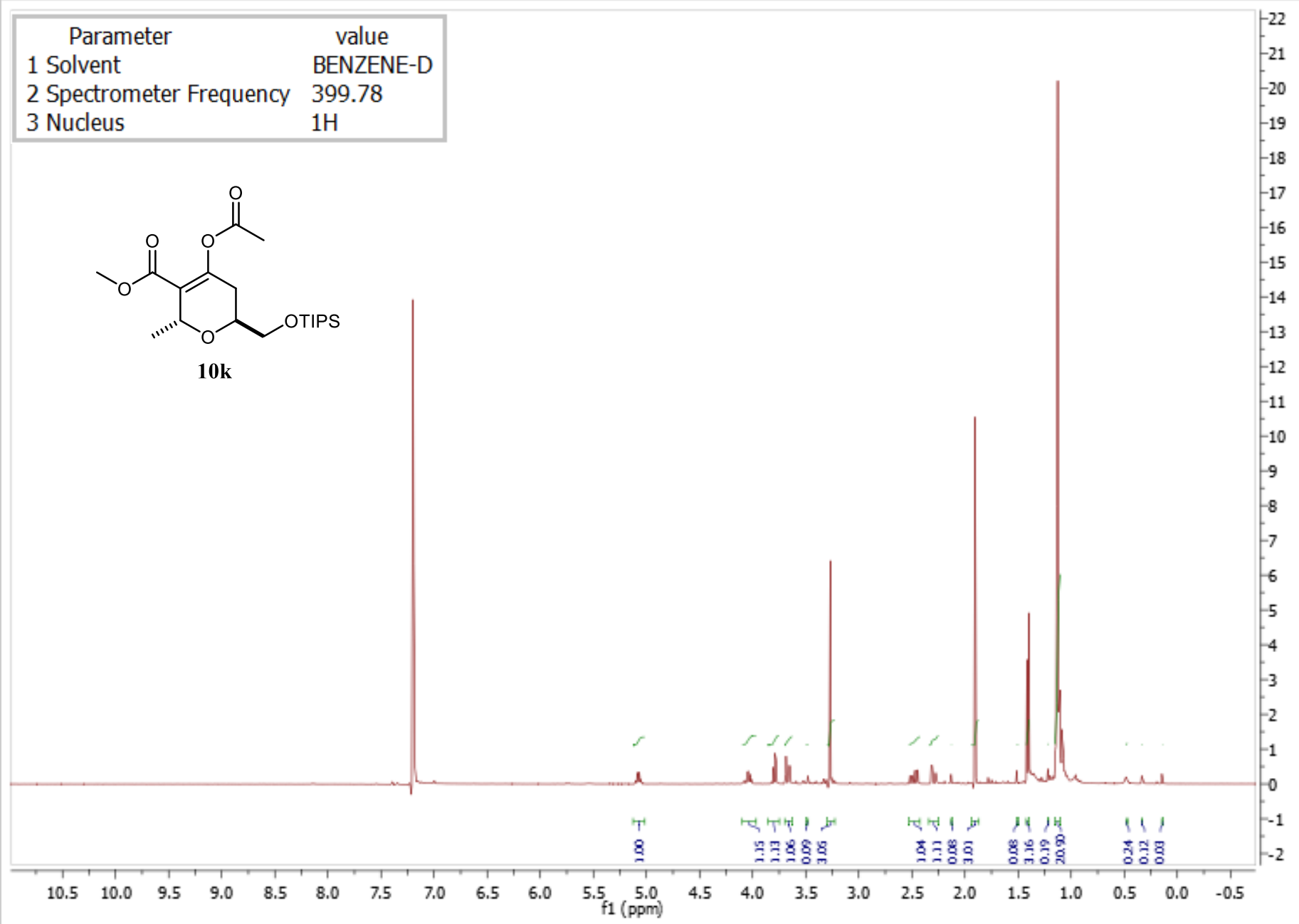
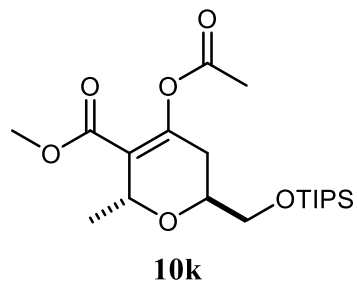
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| 1 Solvent | BENZENE-D |
| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | 1H |



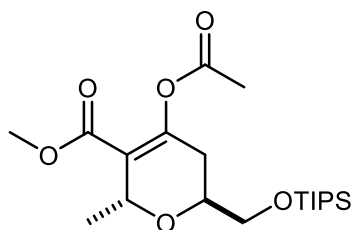
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| 1 Solvent | BENZENE-D |
| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | ¹³ C |



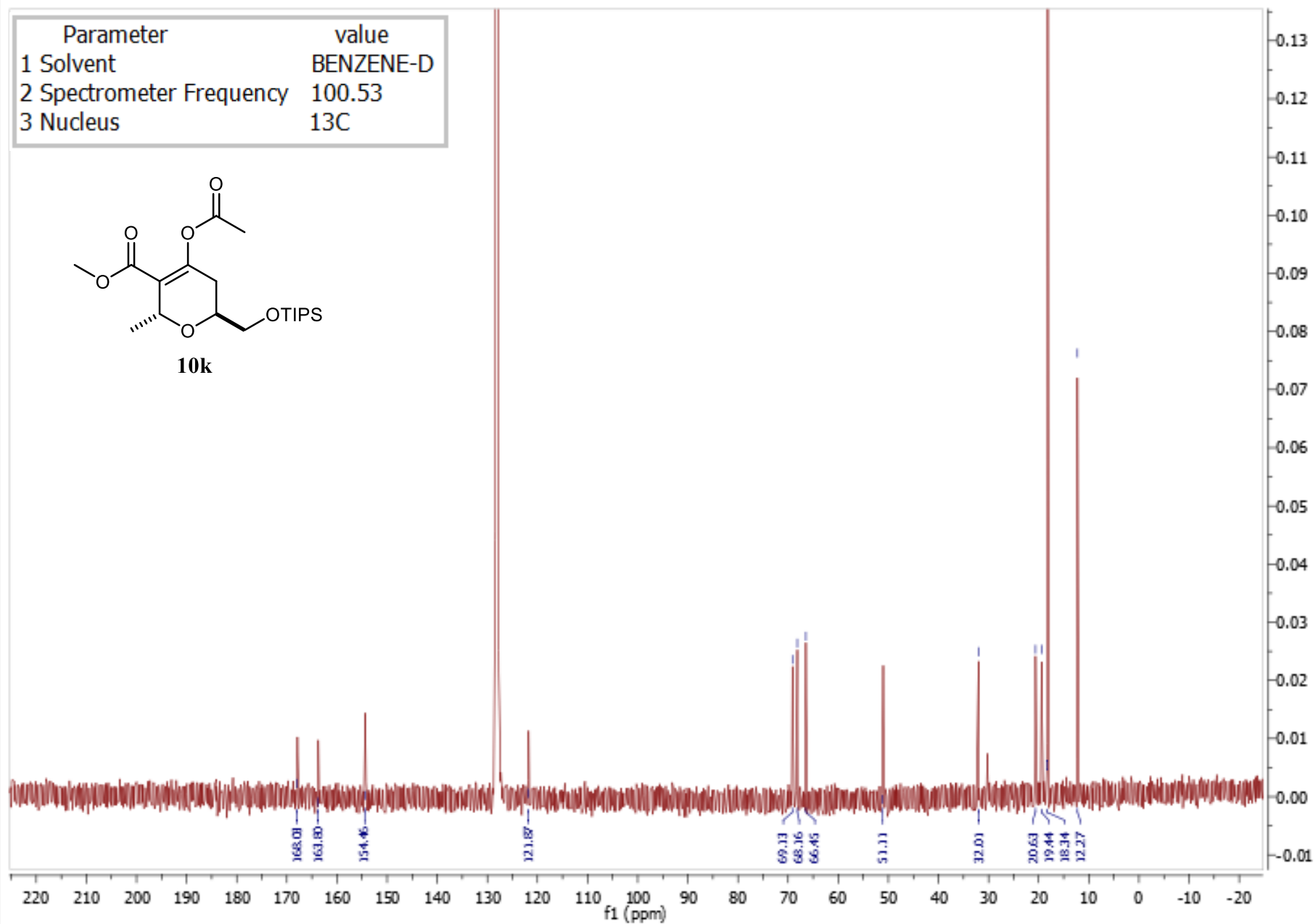
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| 1 Solvent | BENZENE-D |
| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | 1H |



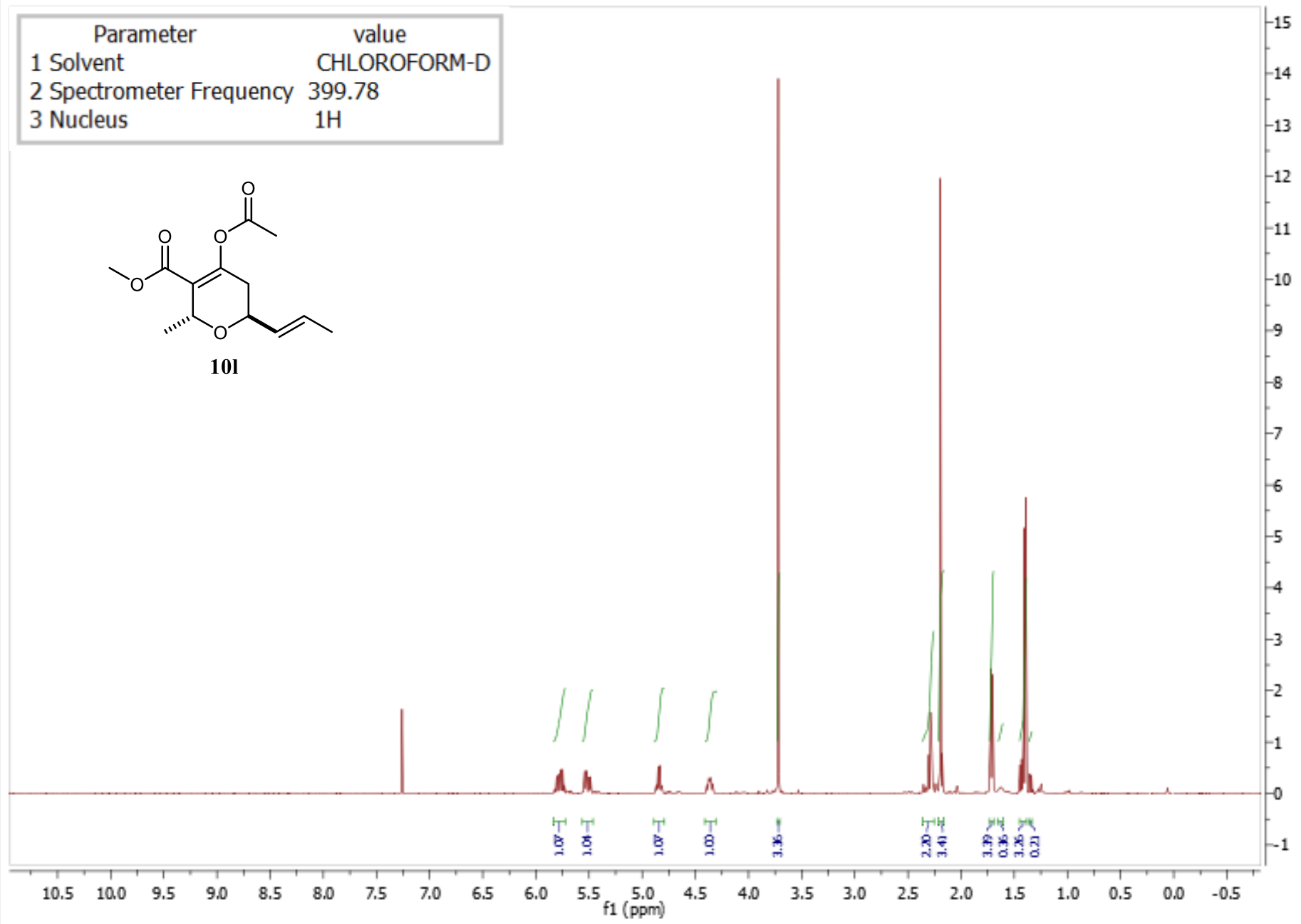
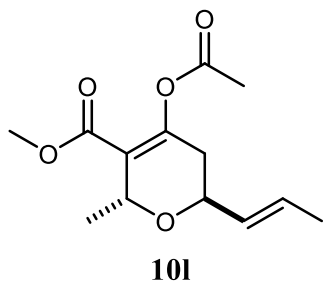
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| 1 Solvent | BENZENE-D |
| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | ¹³ C |



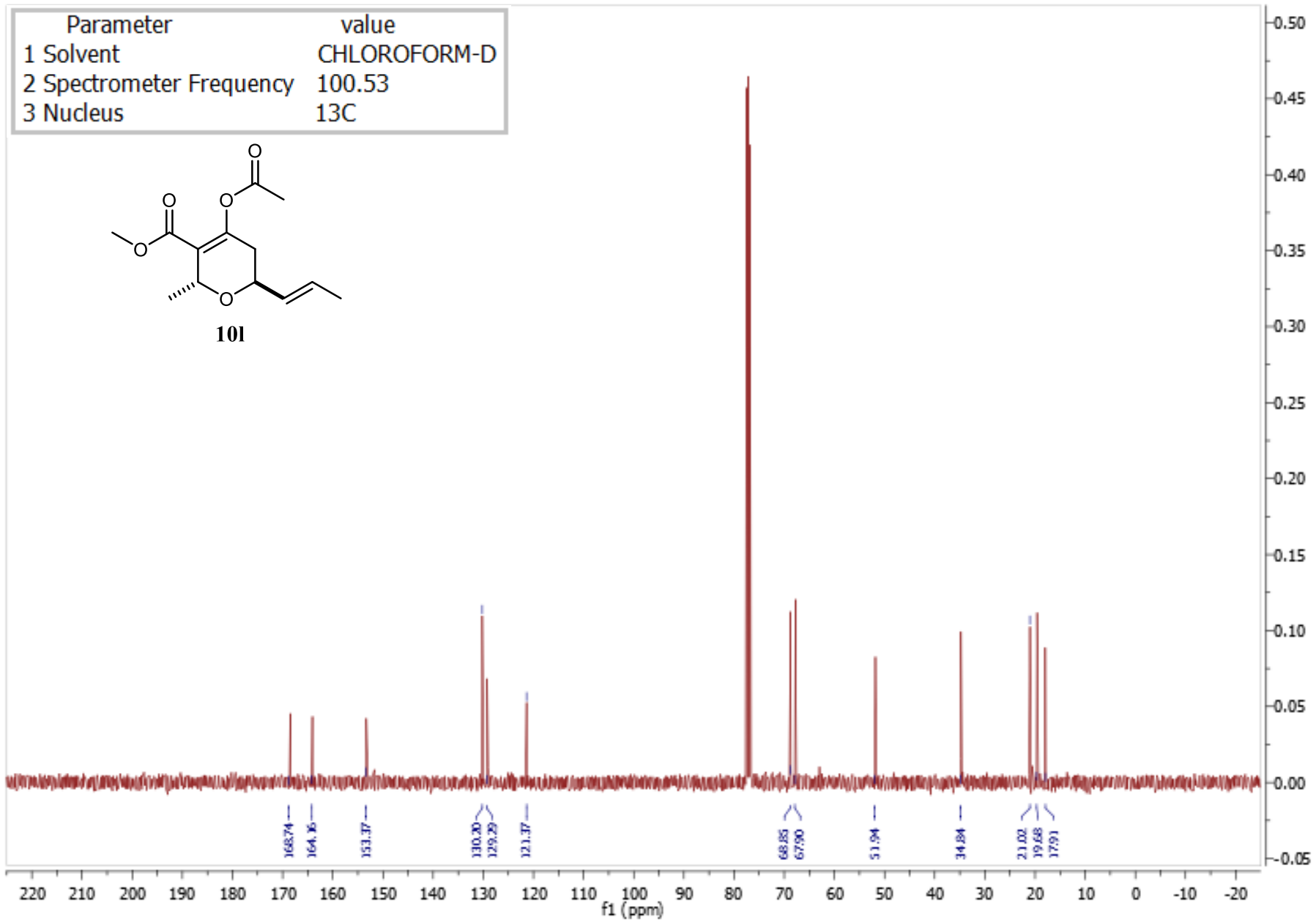
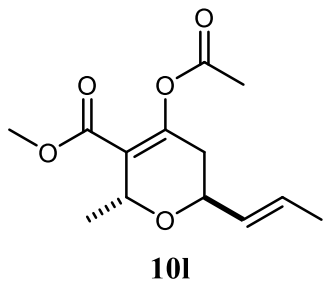
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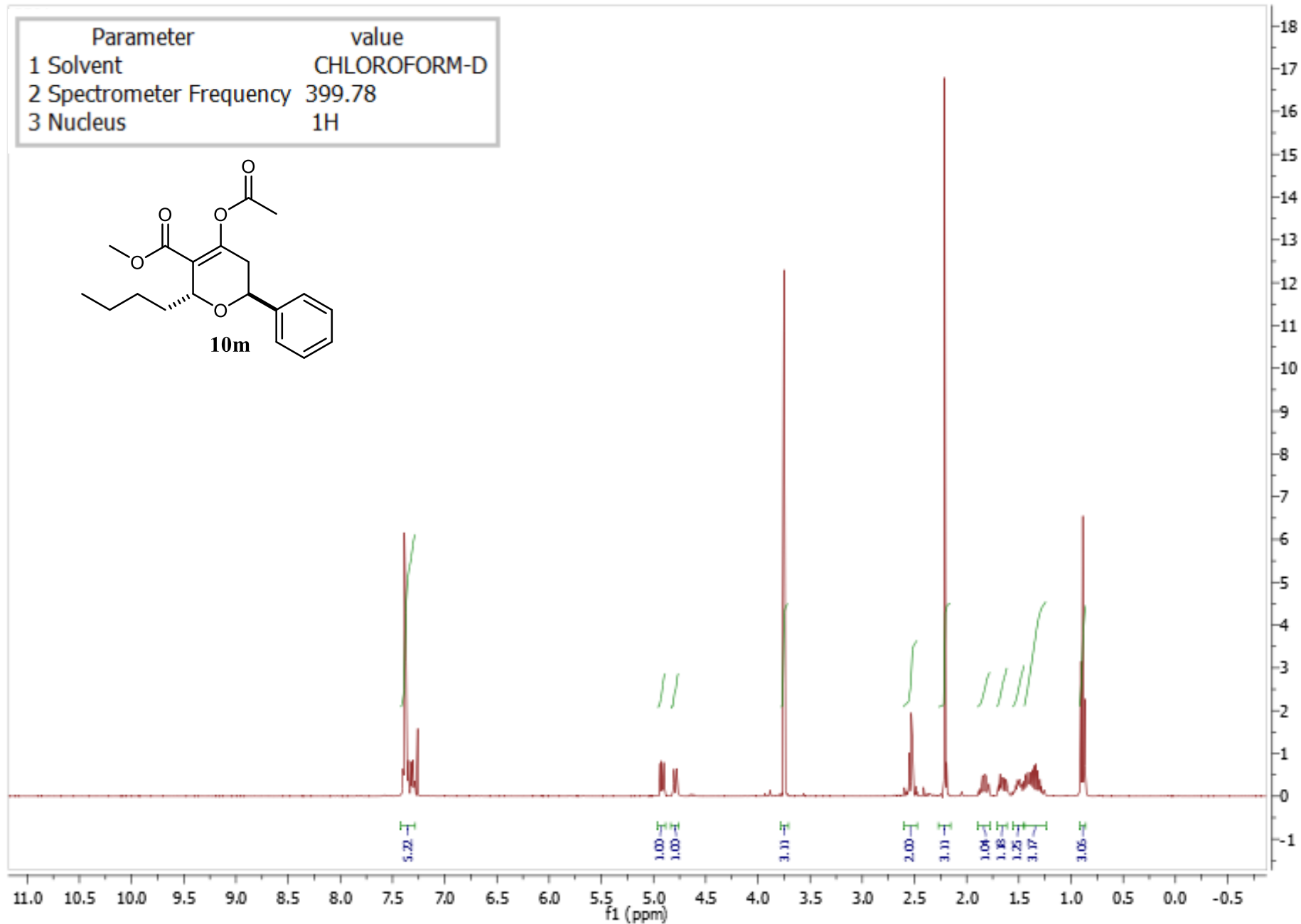
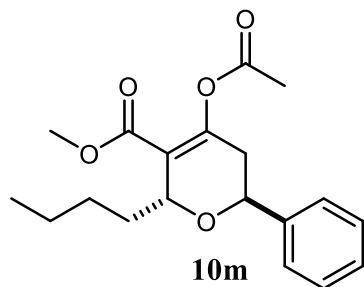
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| 1 Solvent | CHLOROFORM-D |
| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | ¹ H |



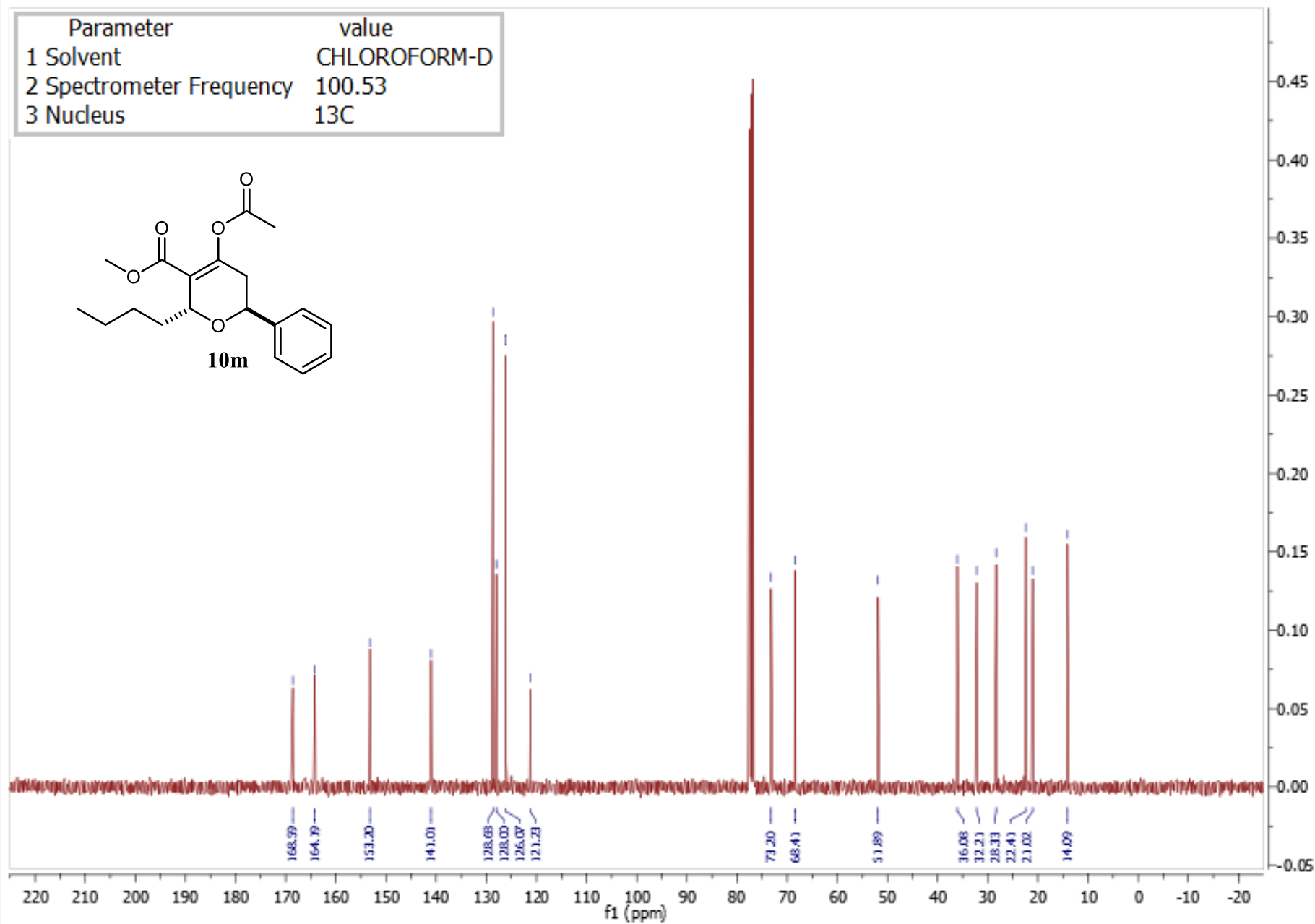
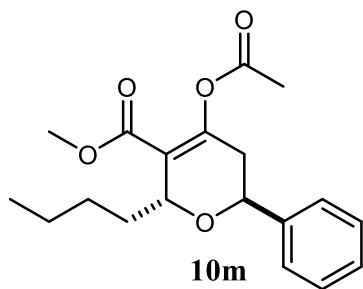
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| 1 Solvent | CHLOROFORM-D |
| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | 13C |



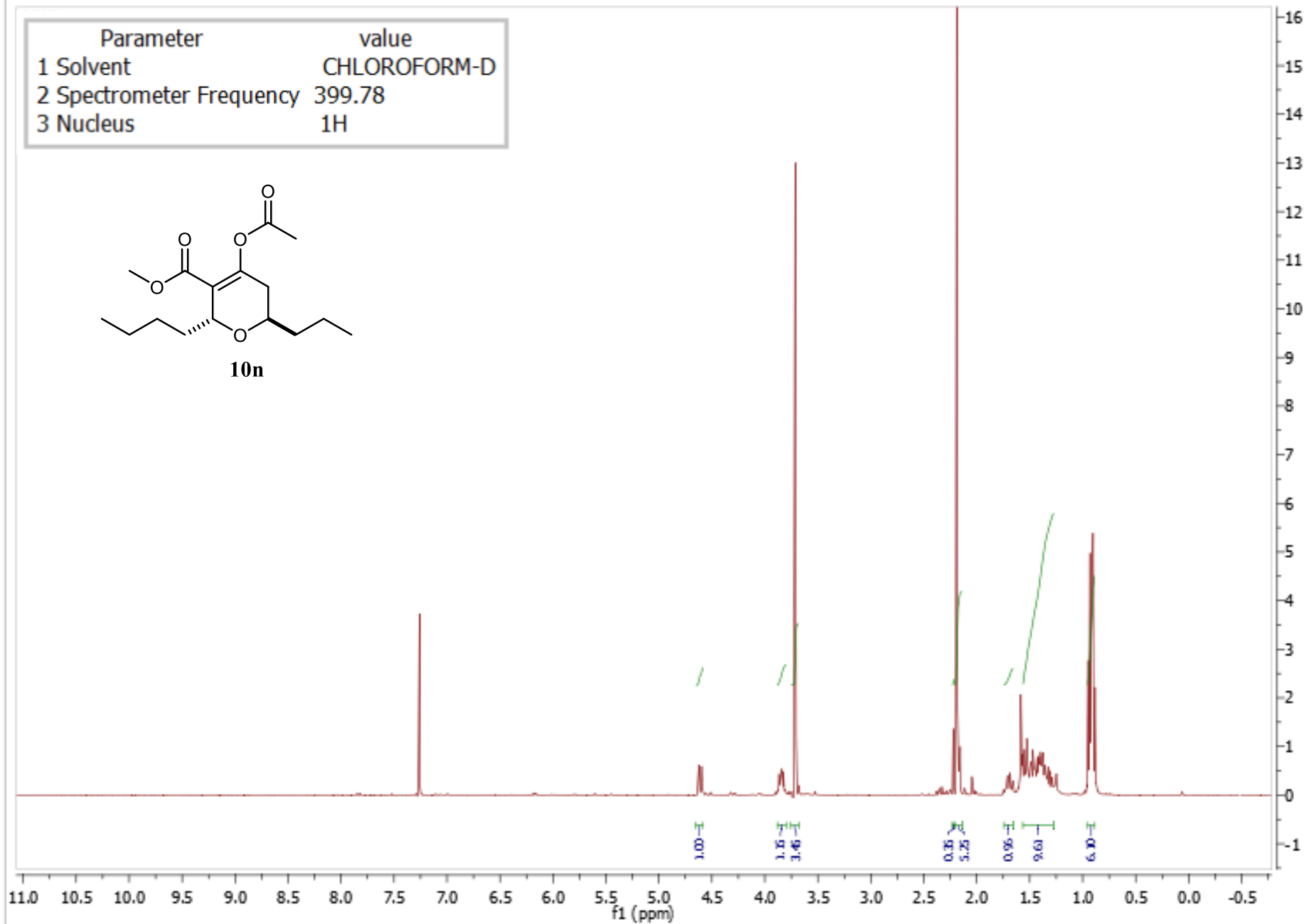
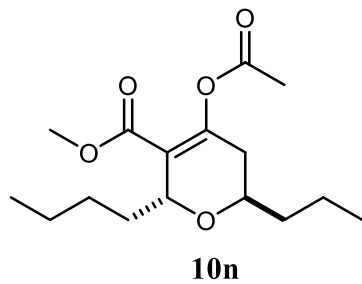
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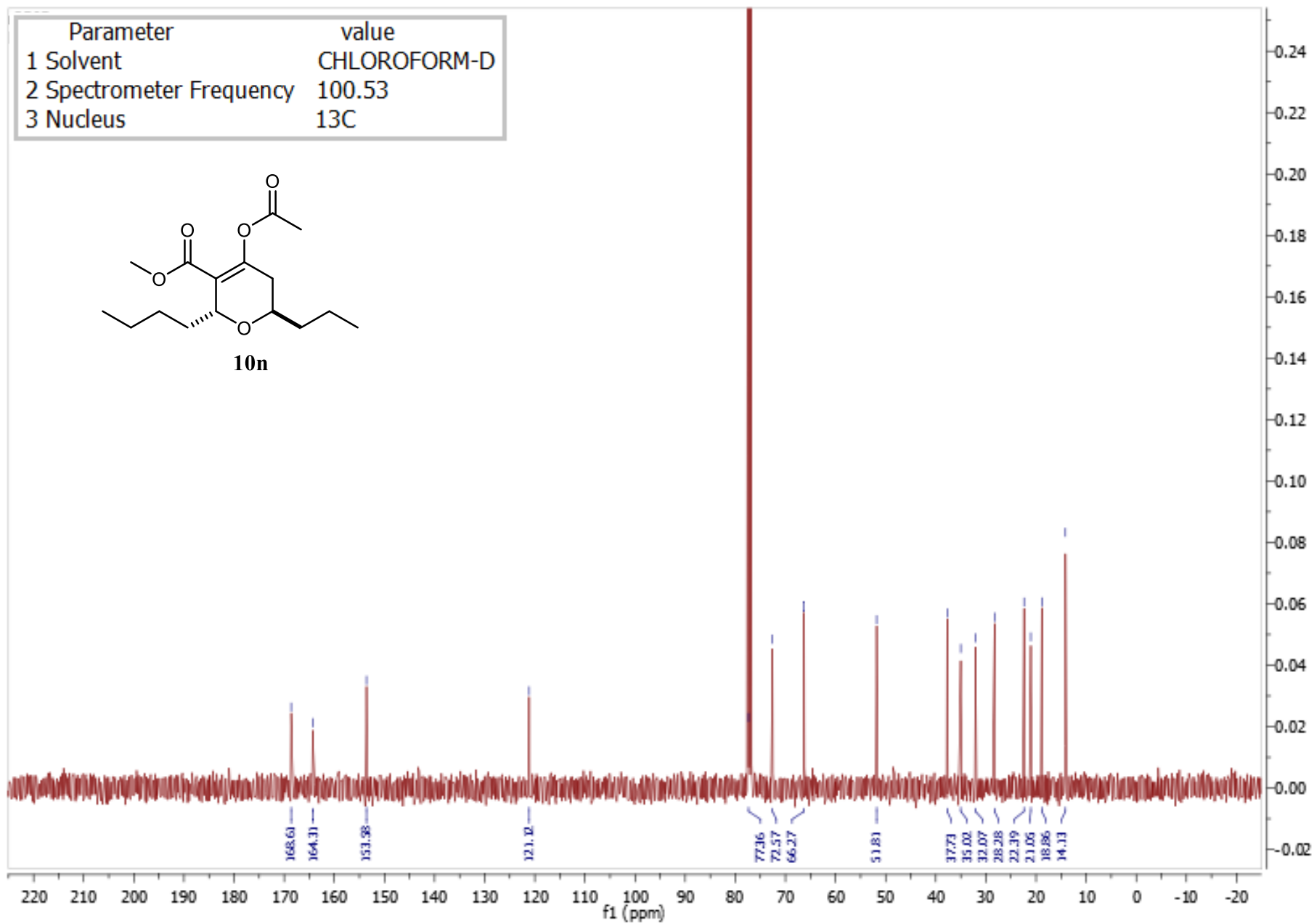
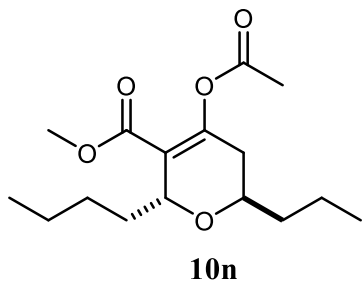
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| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | 13C |



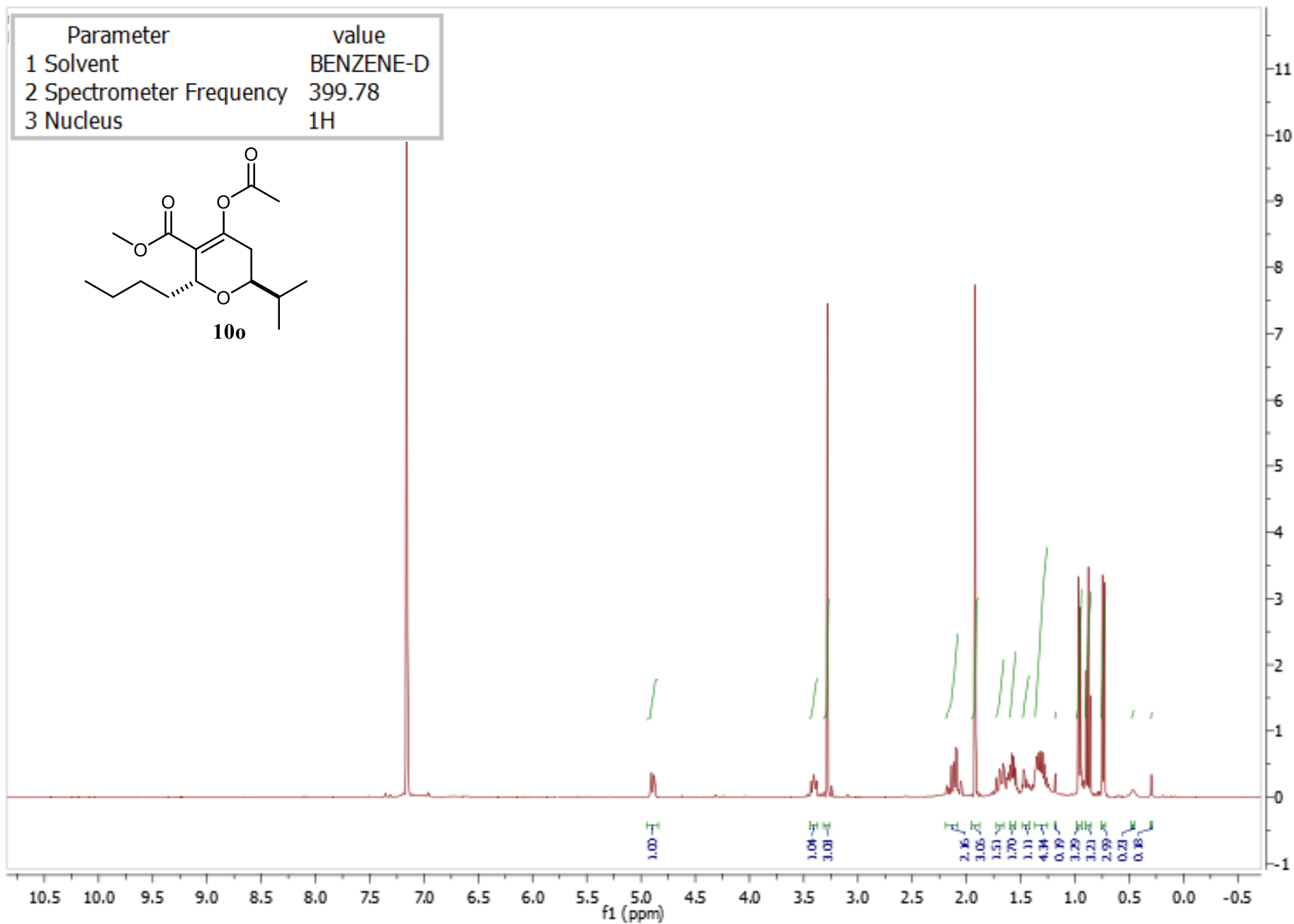
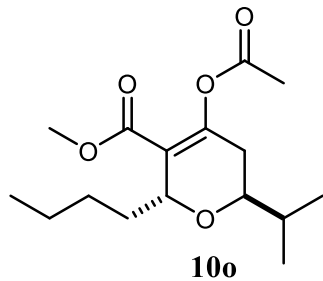
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| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | ¹ H |



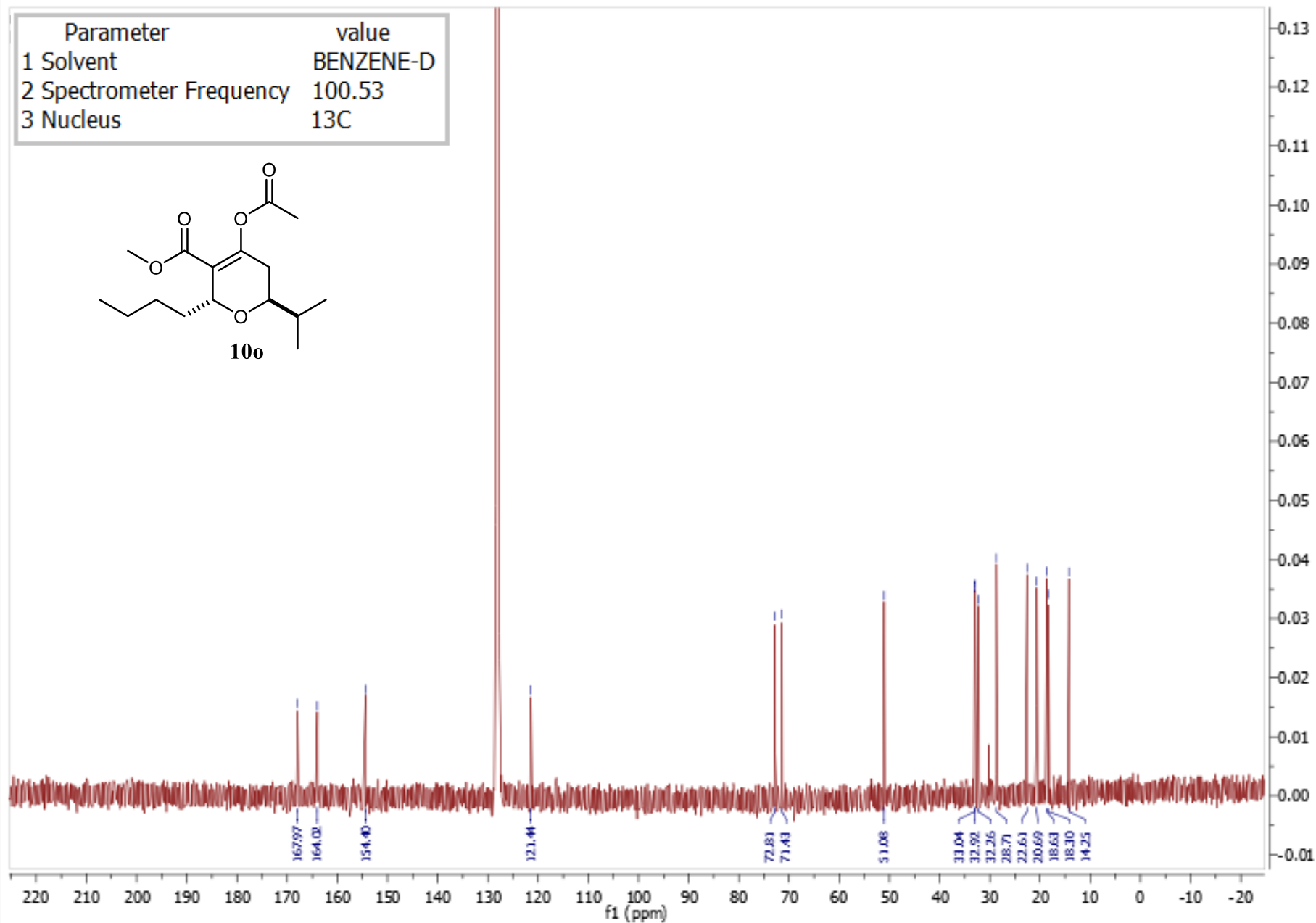
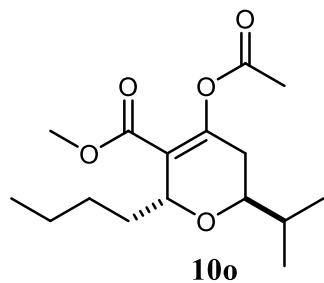
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| 1 Solvent | CHLOROFORM-D |
| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | ¹³ C |



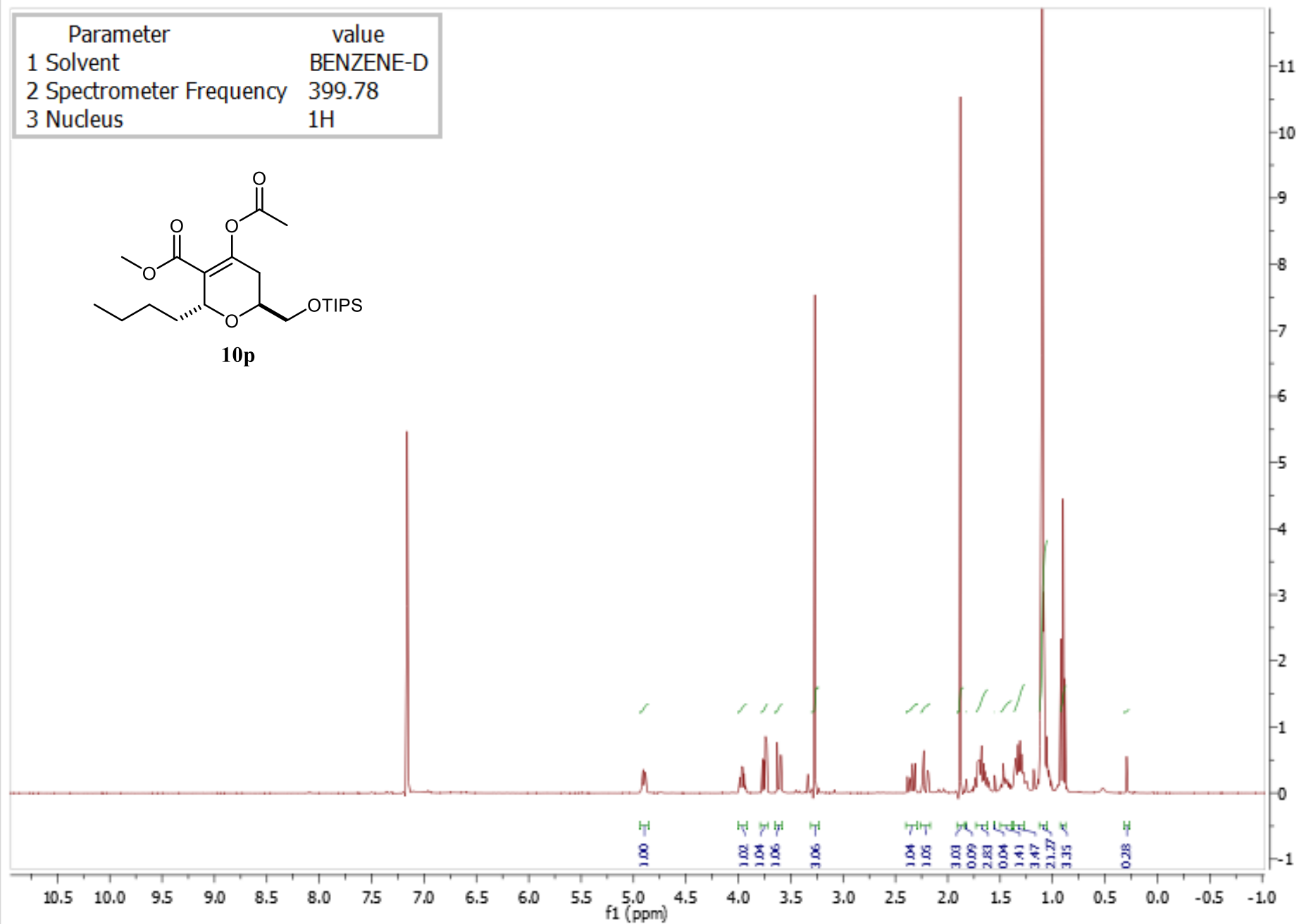
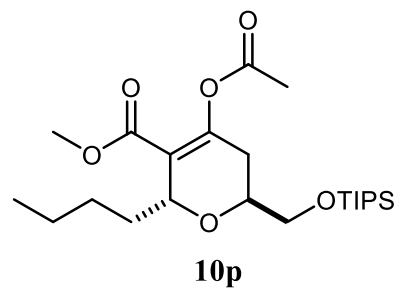
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| 1 Solvent | BENZENE-D |
| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | 1H |



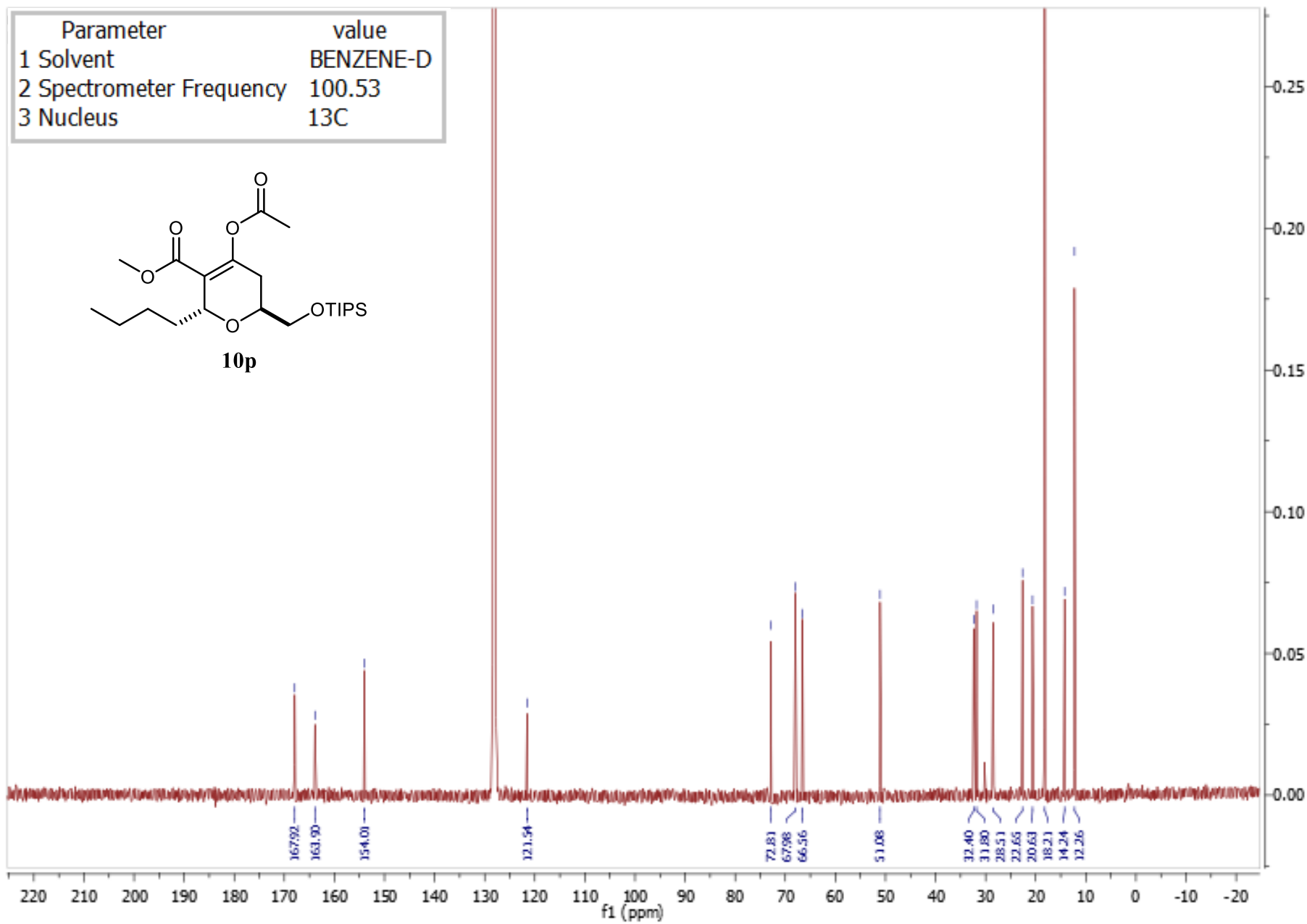
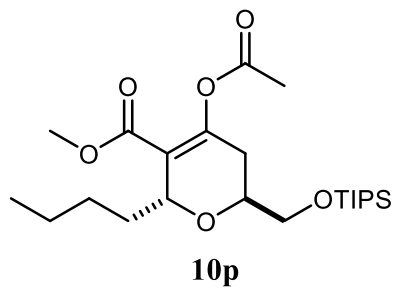
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| 3 Nucleus | ¹³ C |



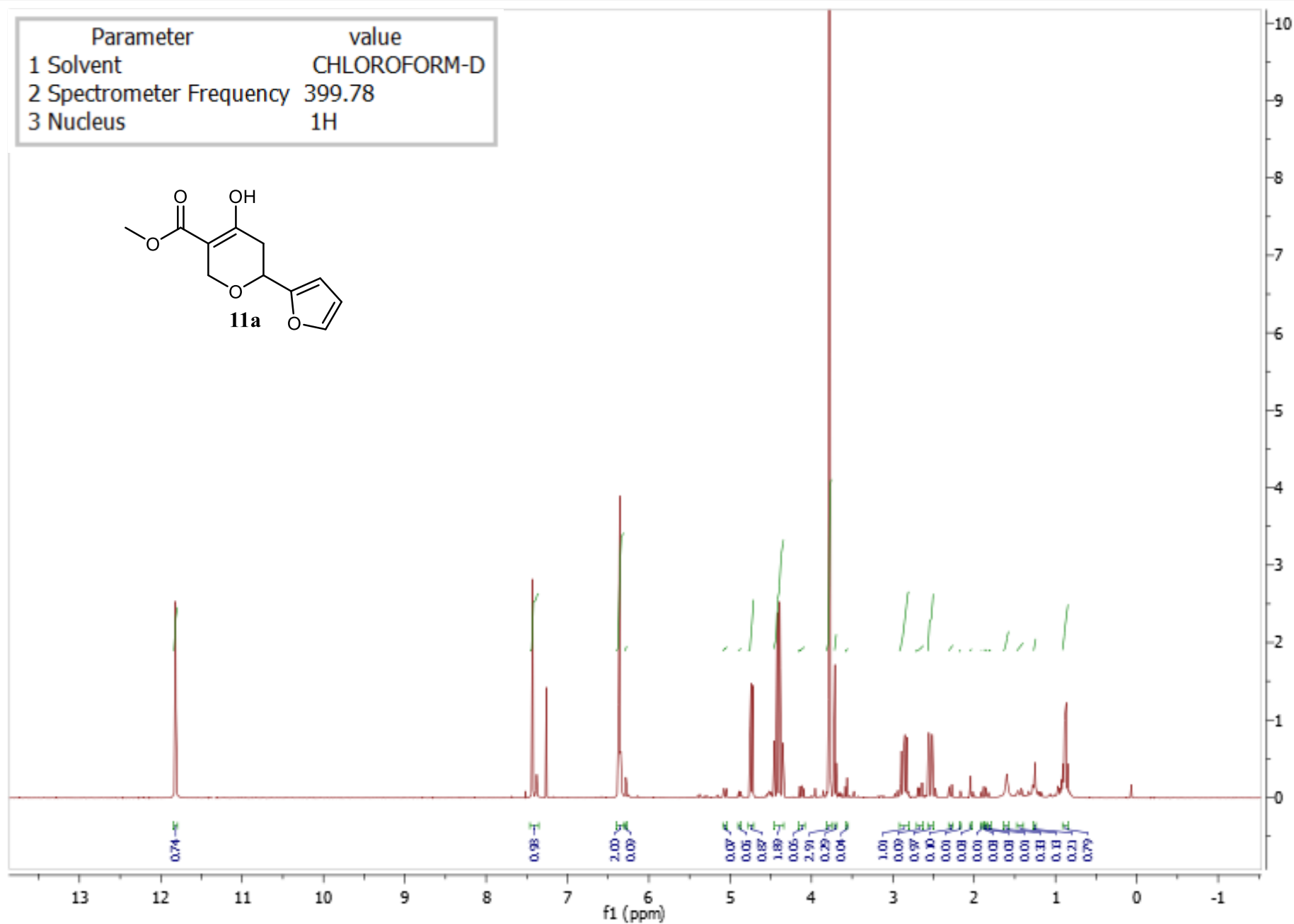
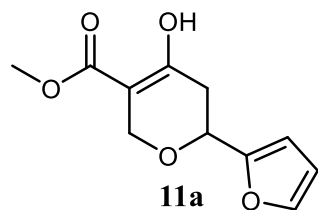
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| 1 Solvent | BENZENE-D |
| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | 1H |



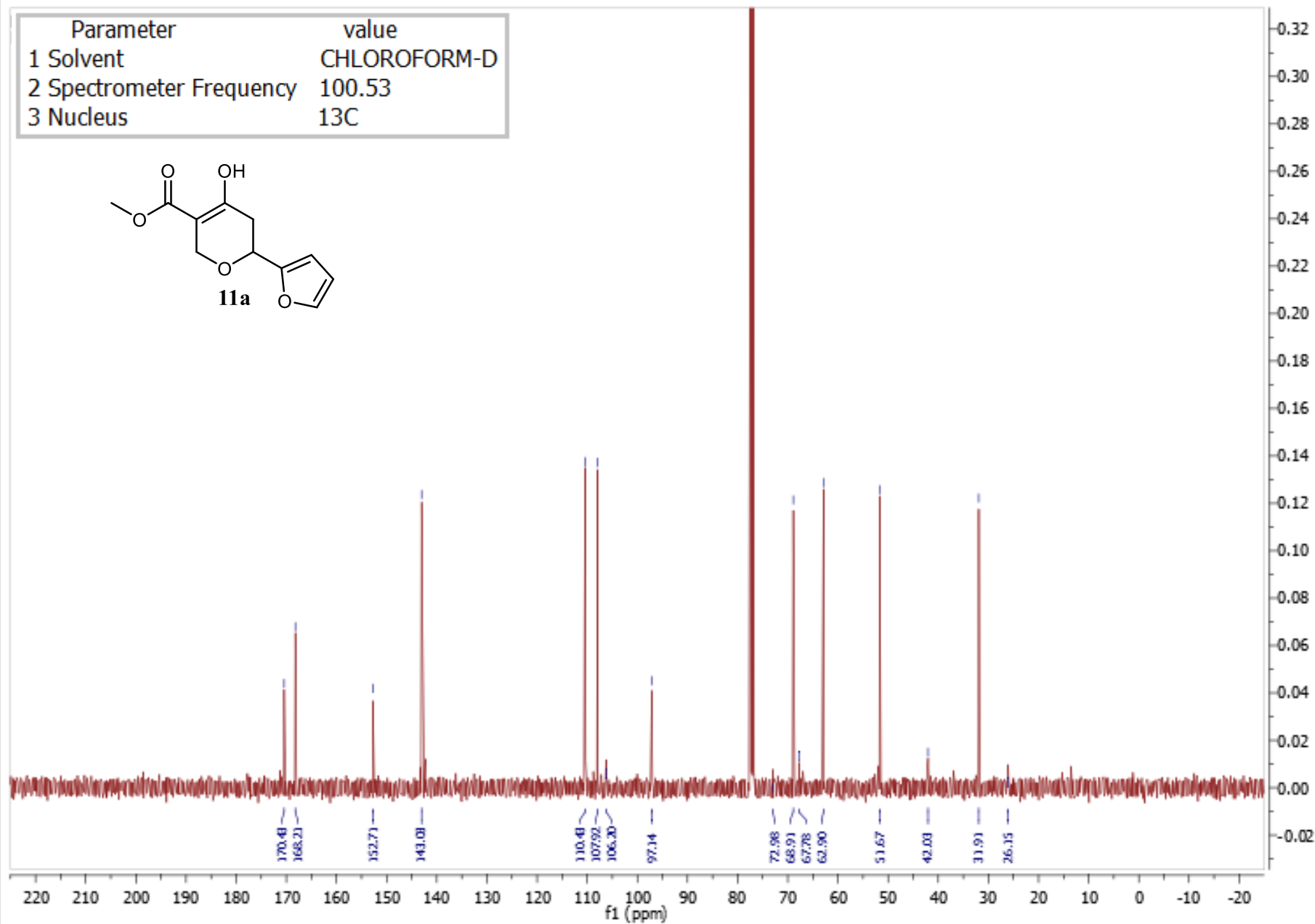
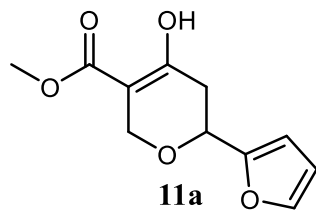
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| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | ¹³ C |



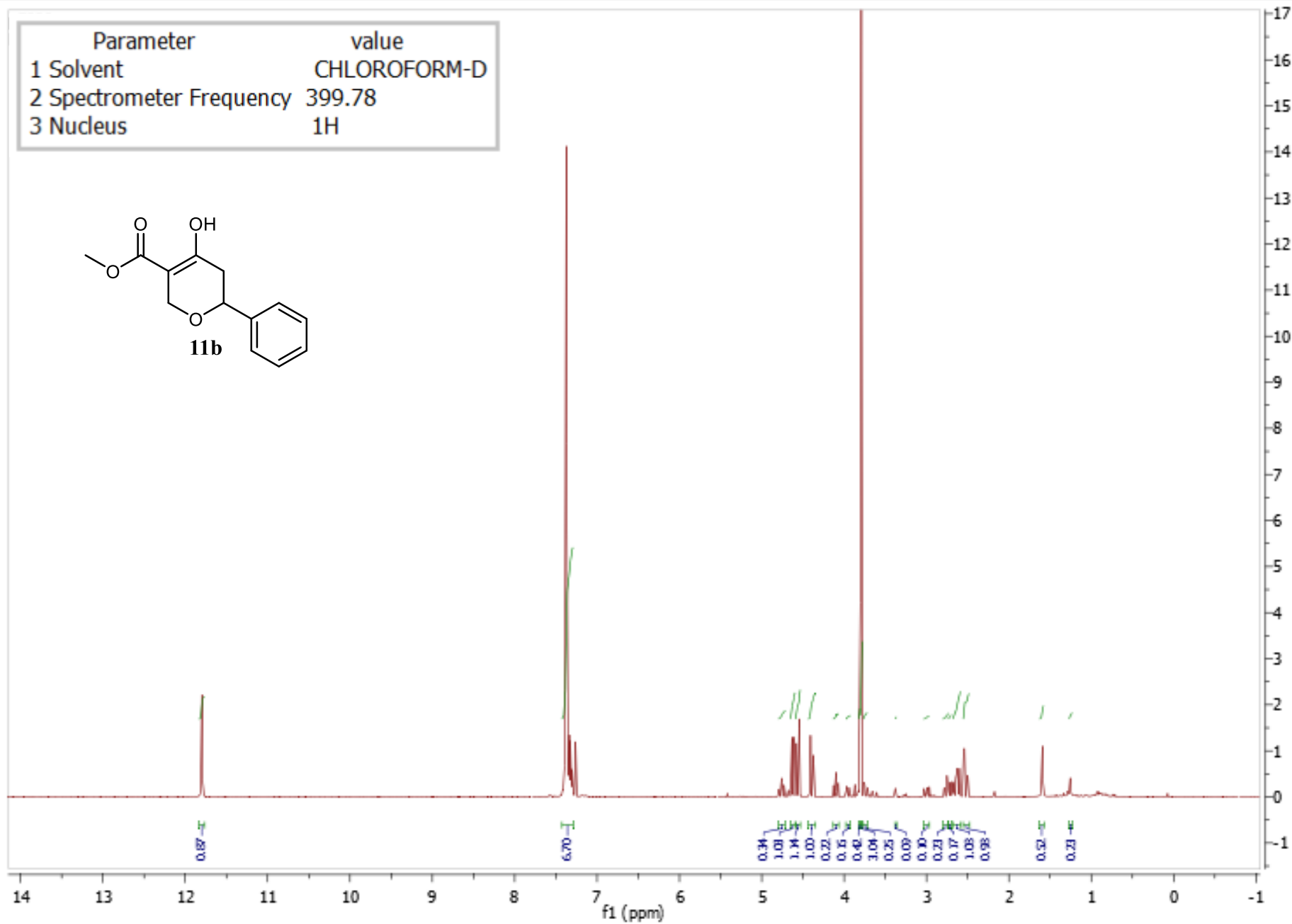
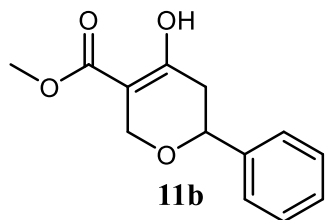
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| 1 Solvent | CHLOROFORM-D |
| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | ¹ H |



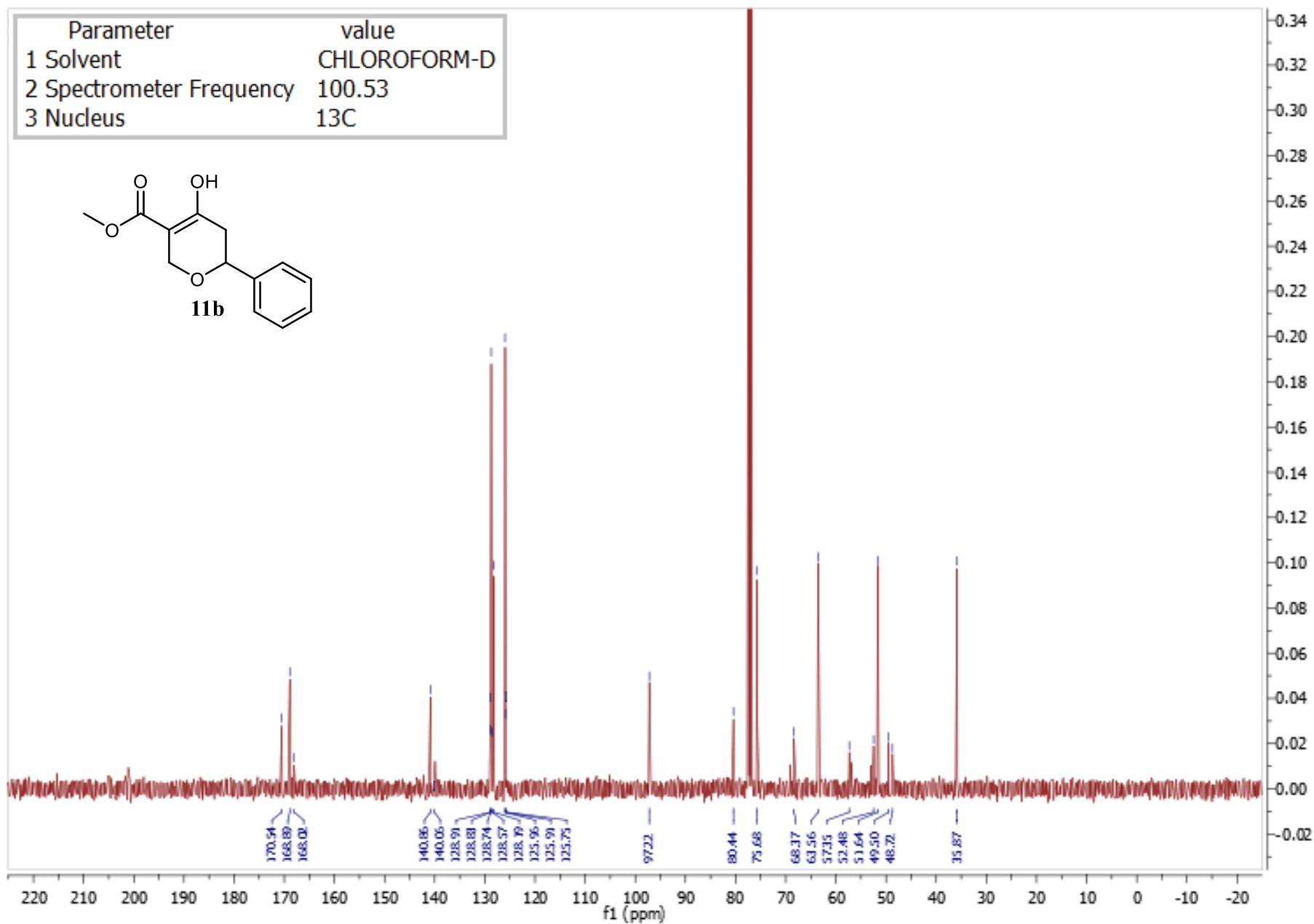
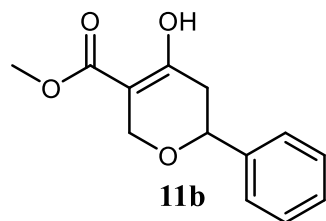
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| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | 13C |



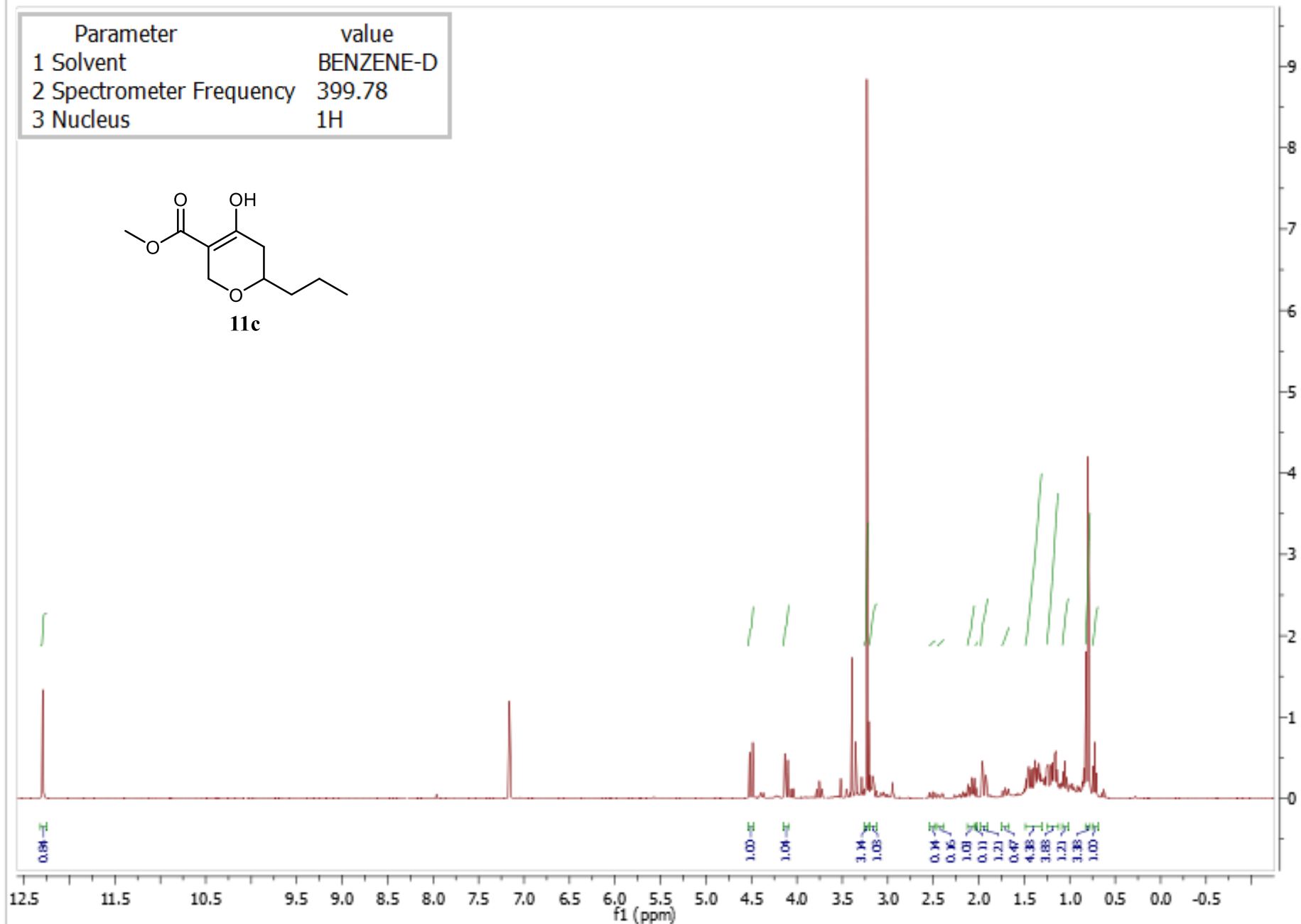
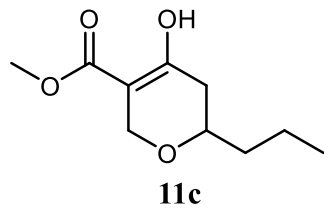
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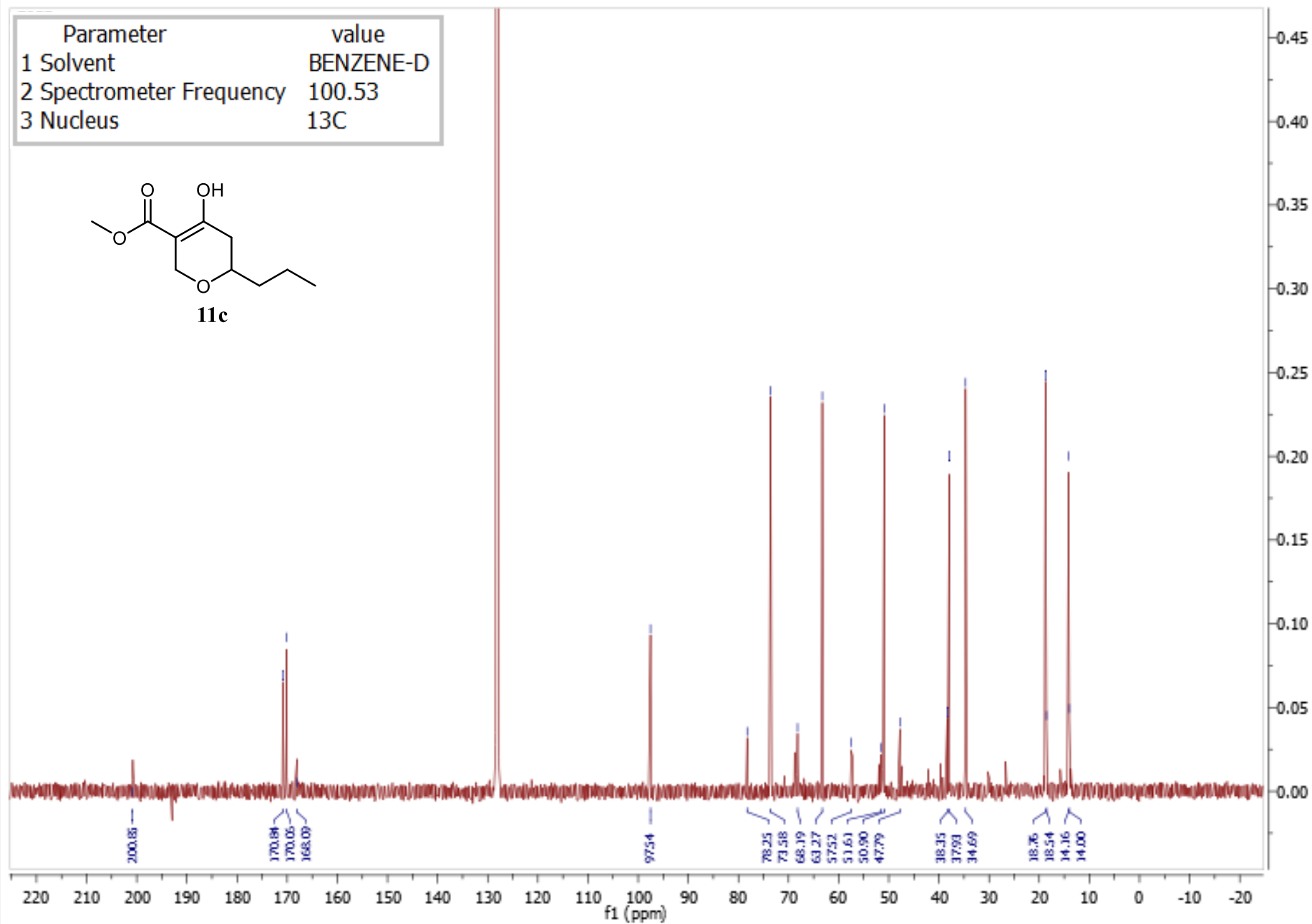
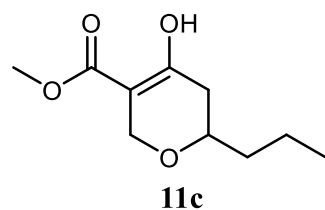
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| 2 Spectrometer Frequency | 100.53 |
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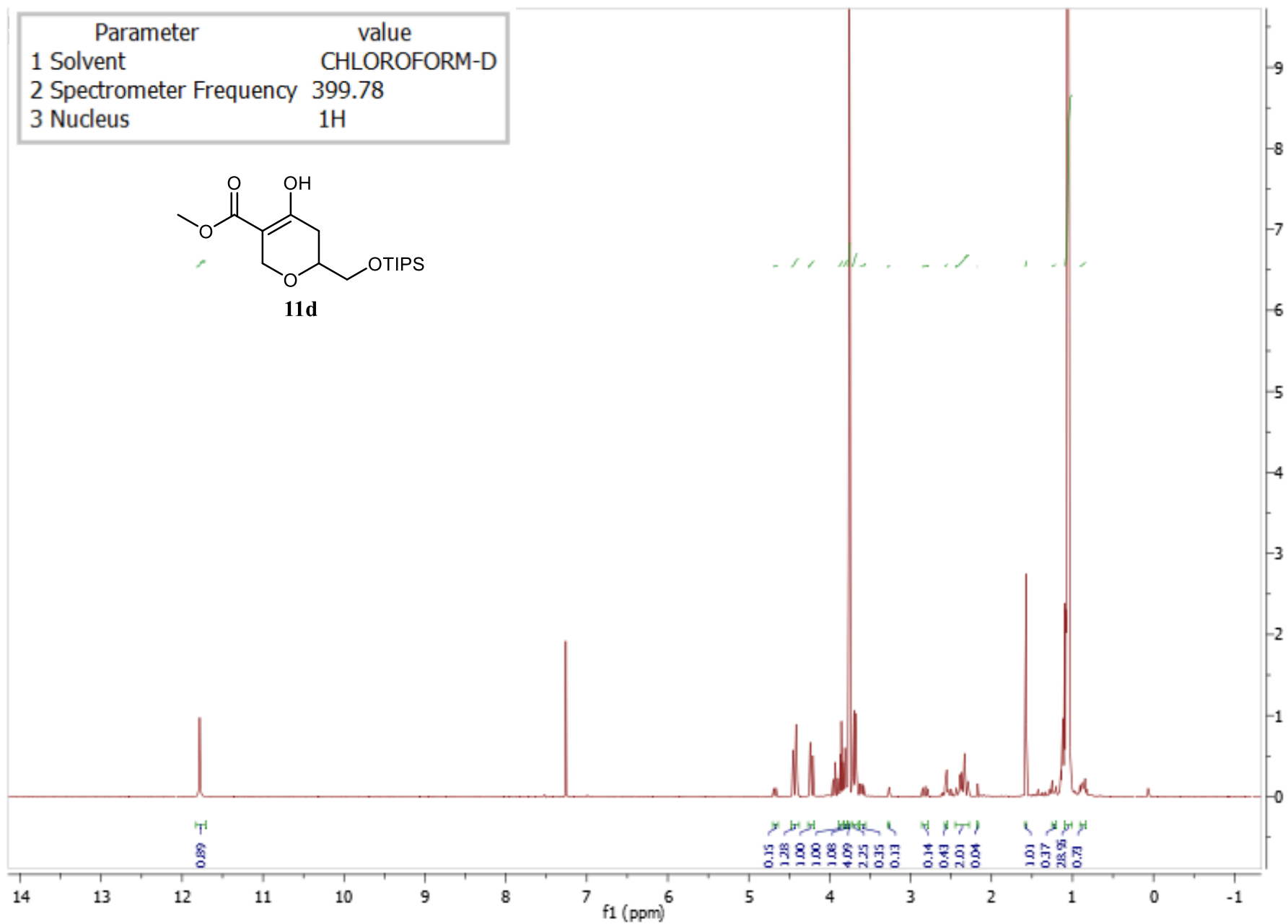
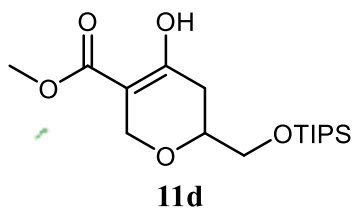
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| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | ¹ H |



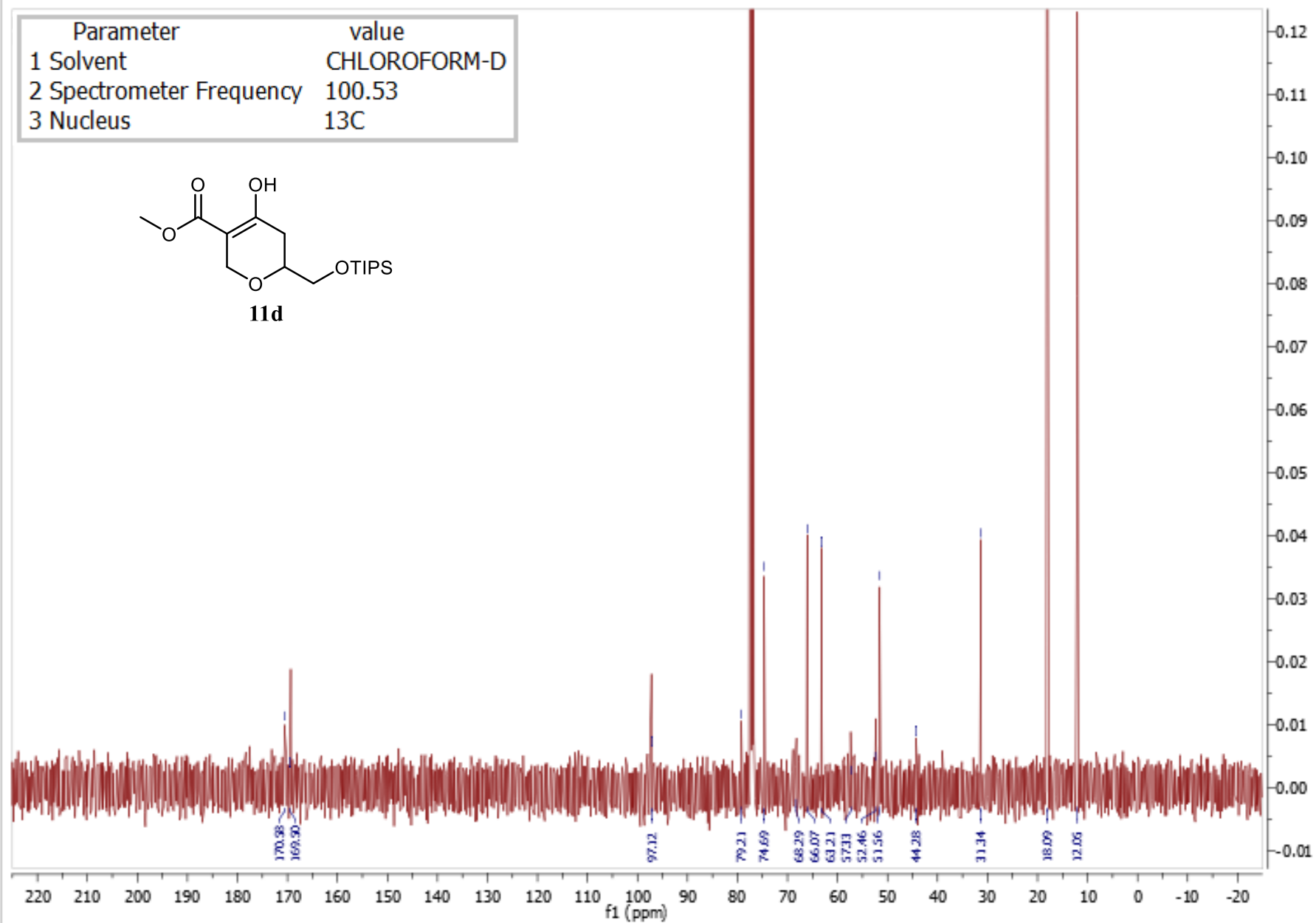
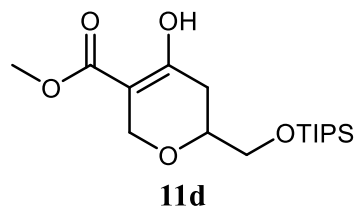
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| 1 Solvent | BENZENE-D |
| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | ¹³ C |



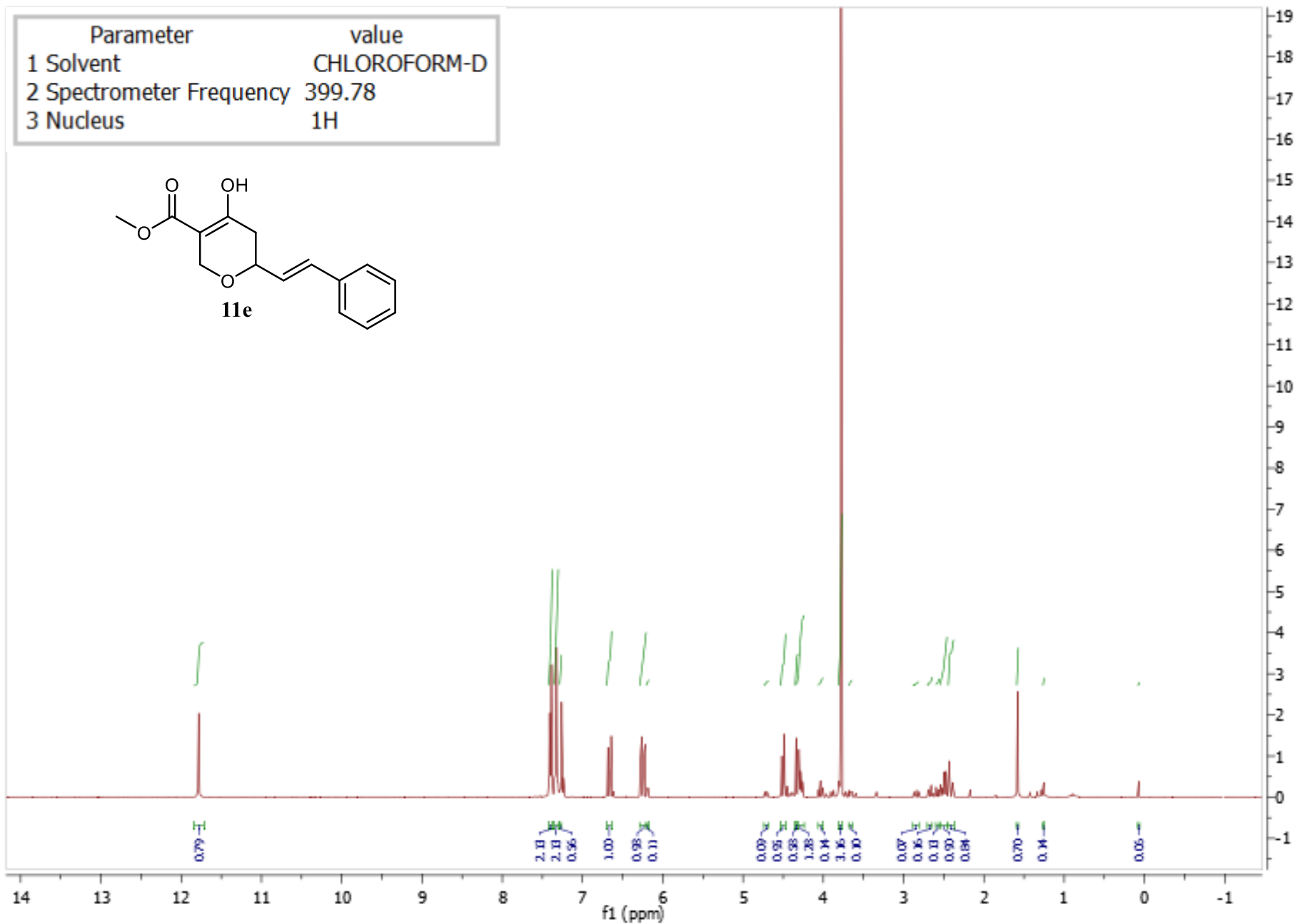
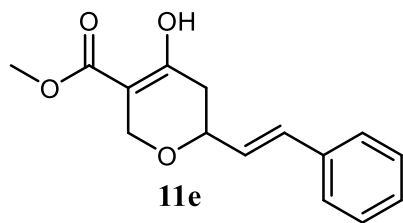
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| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | ¹ H |



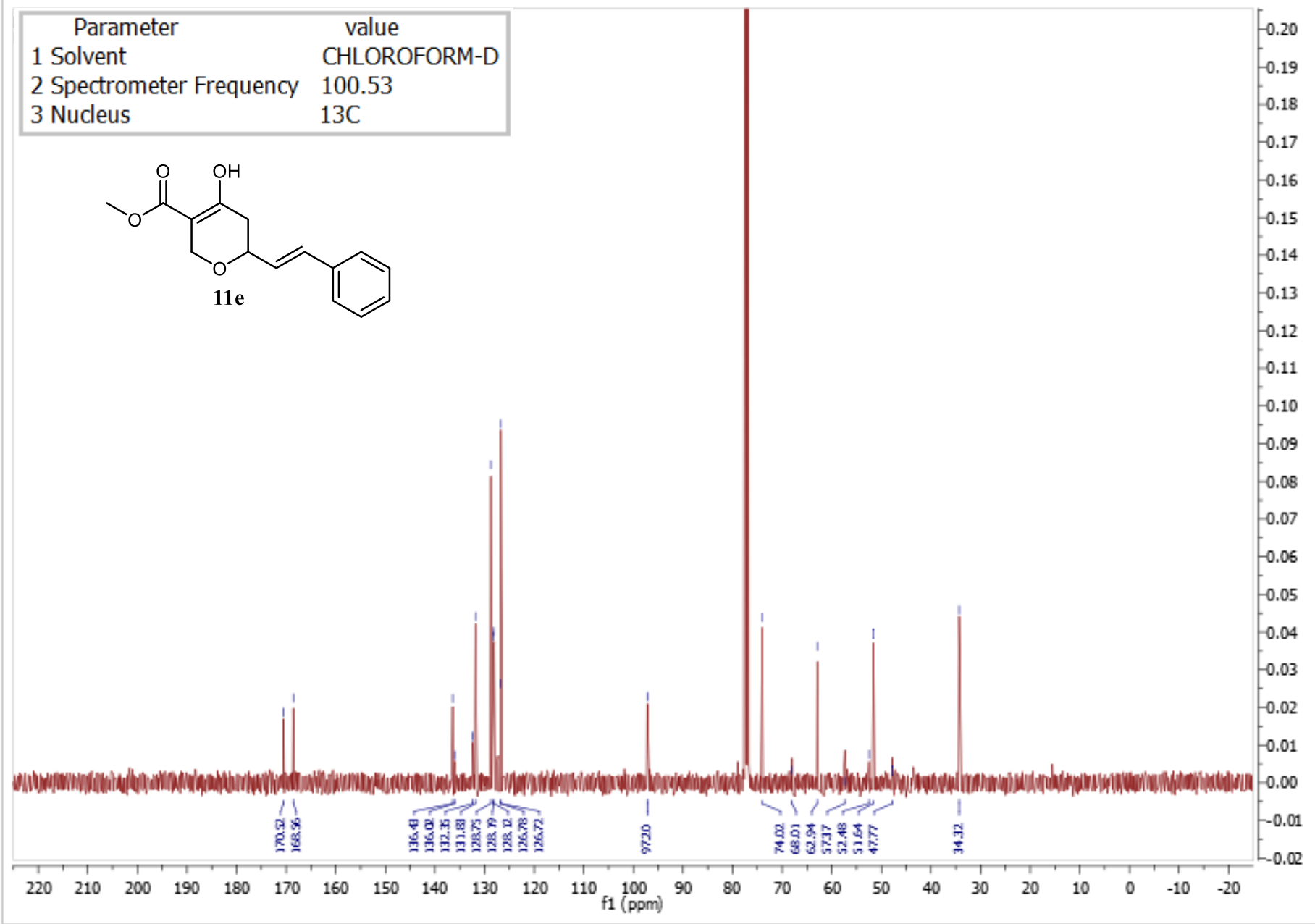
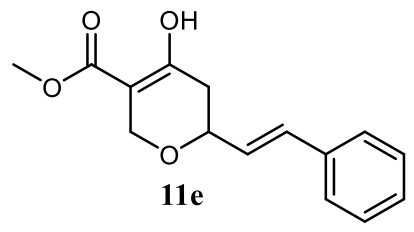
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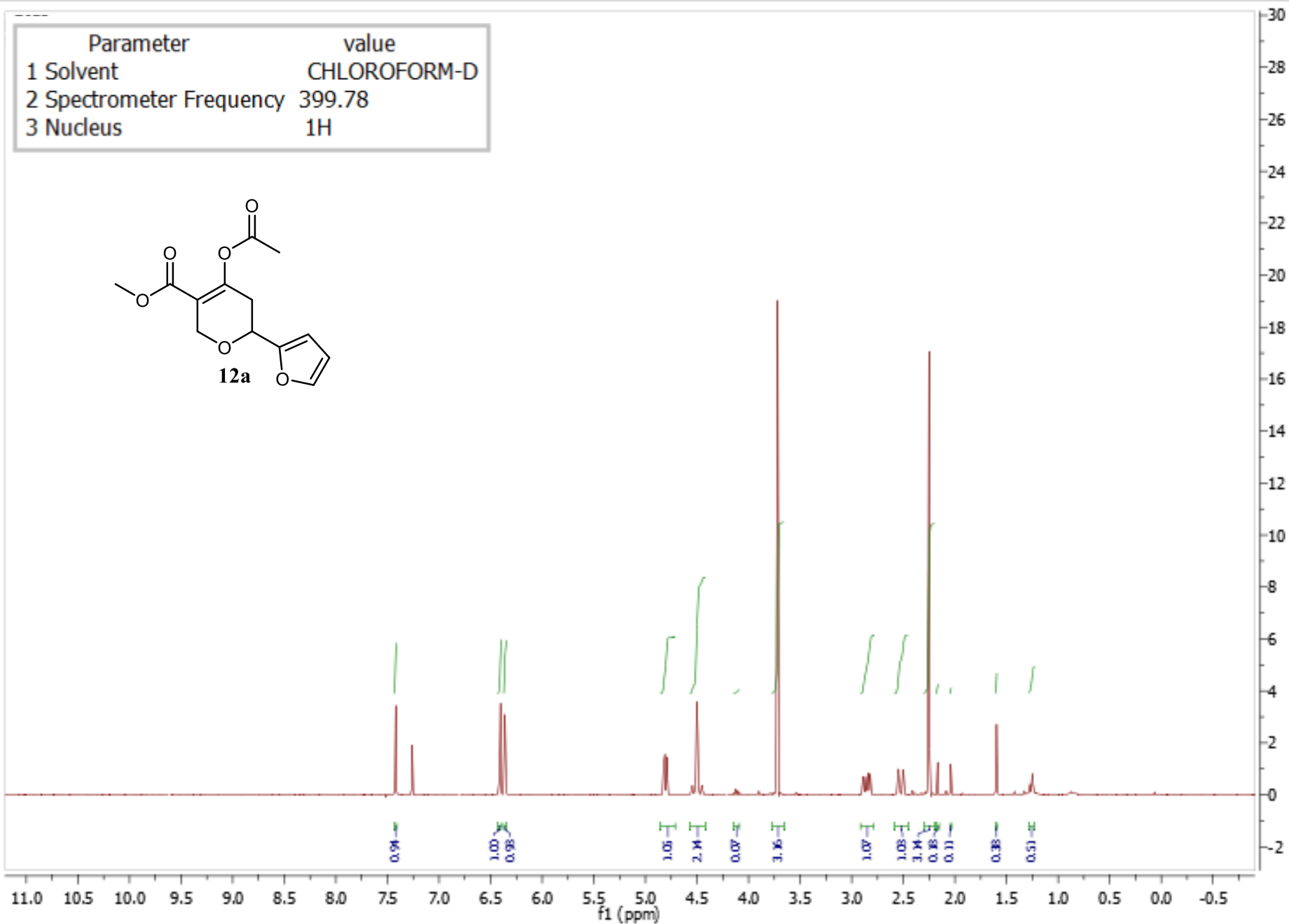
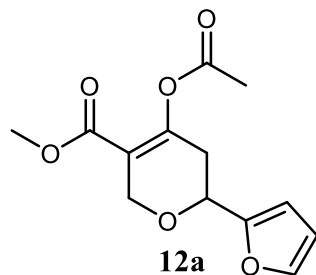
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| 1 Solvent | CHLOROFORM-D |
| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | 1H |



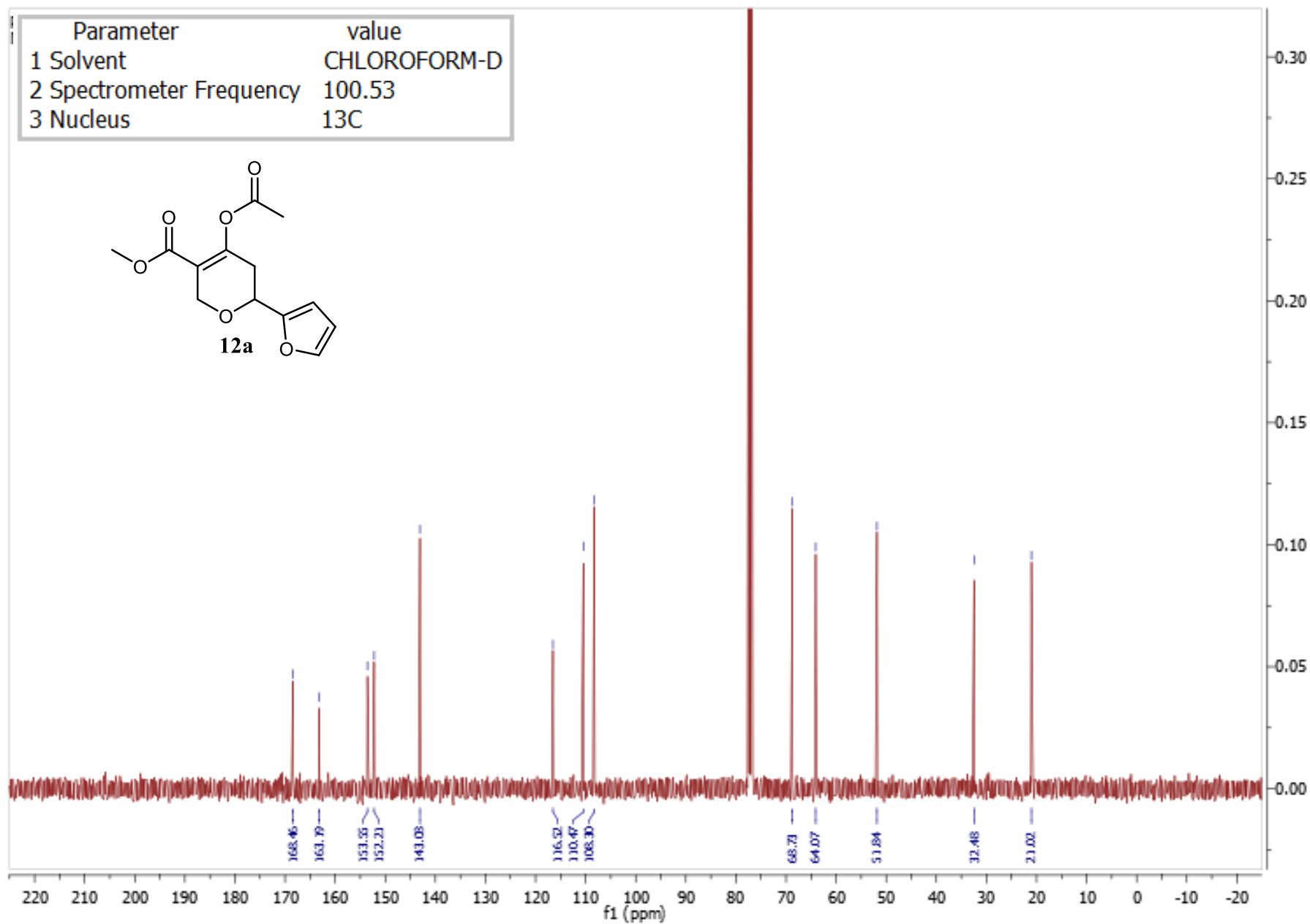
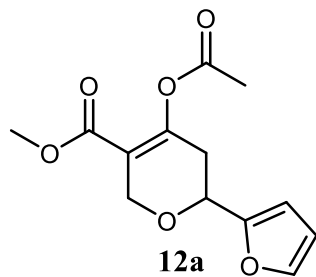
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| 3 Nucleus | ¹³ C |



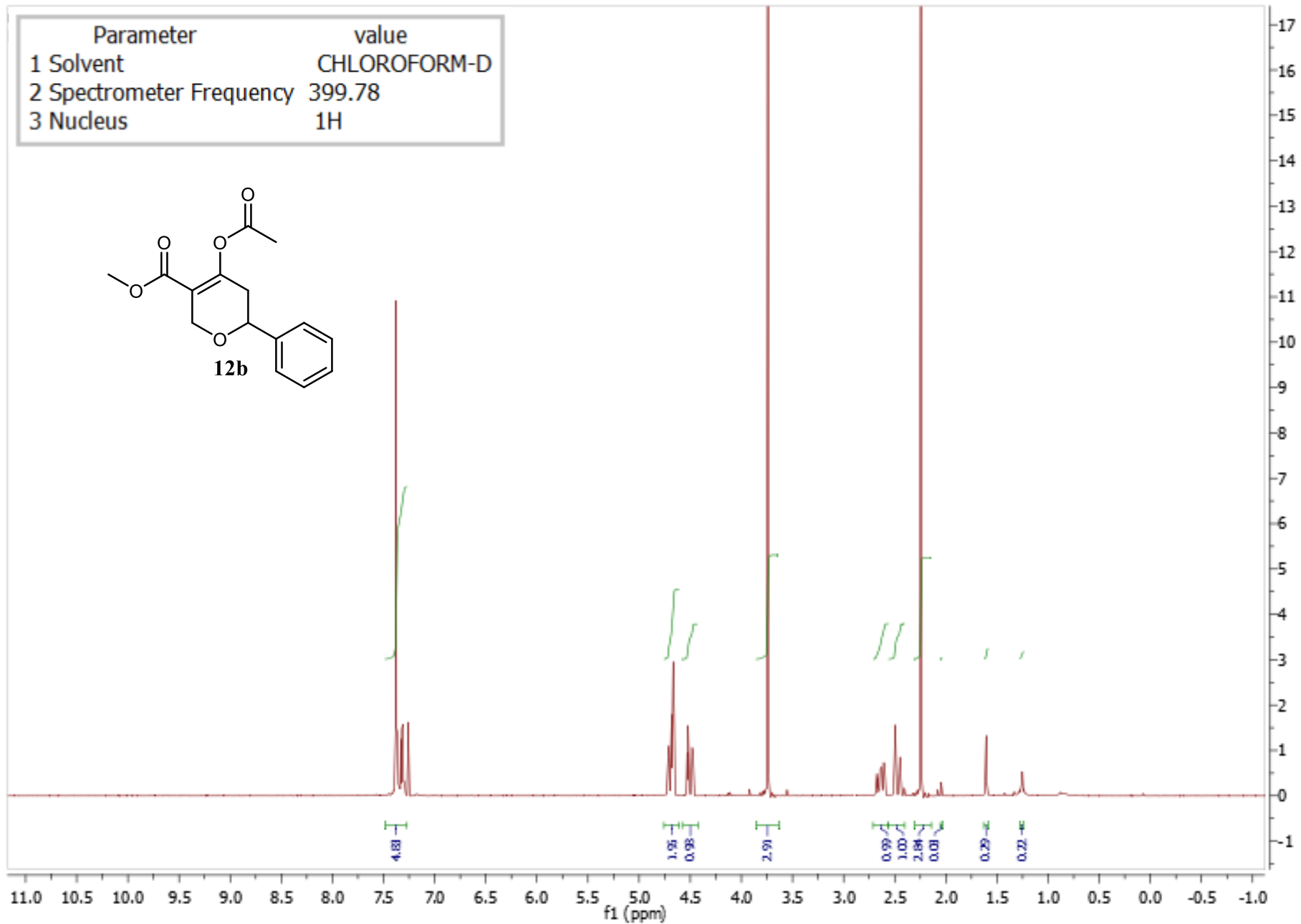
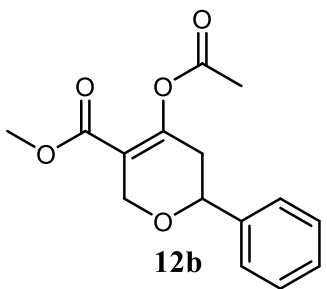
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| 2 Spectrometer Frequency | 399.78 |
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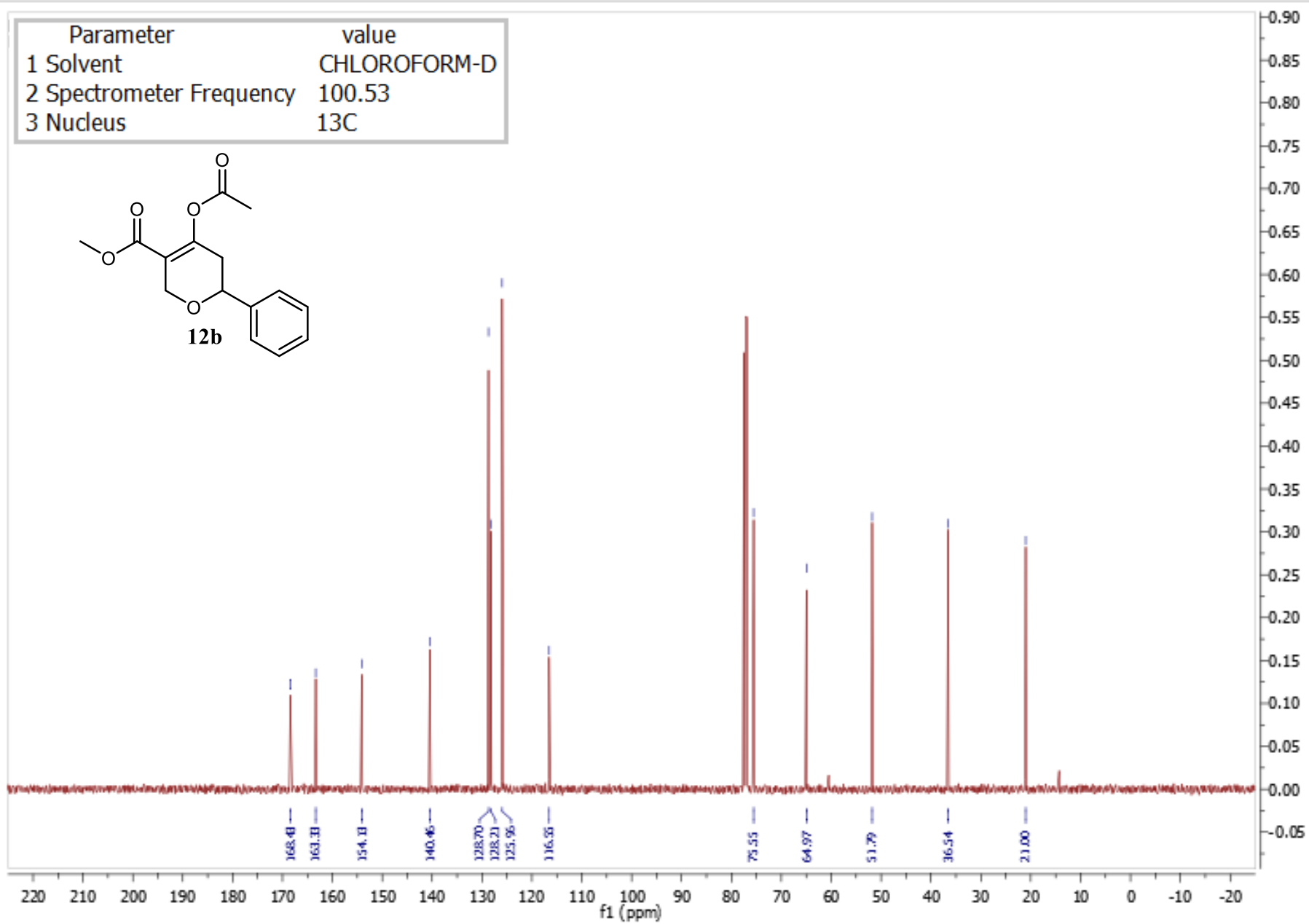
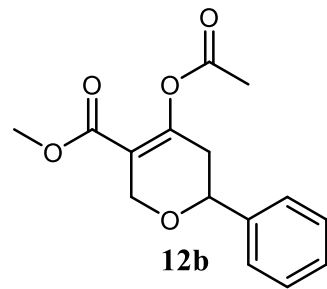
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| 1 Solvent | CHLOROFORM-D |
| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | ¹³ C |



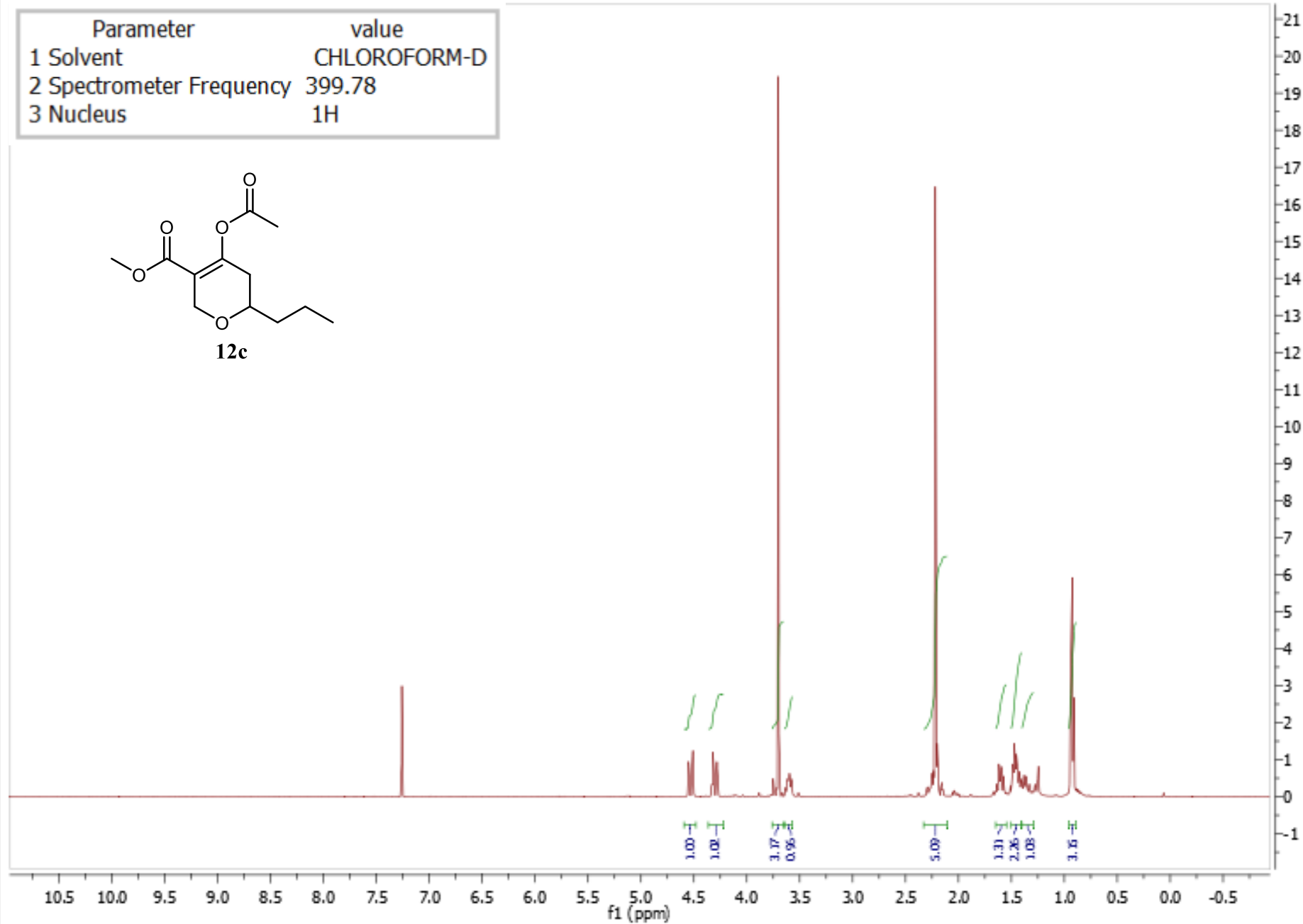
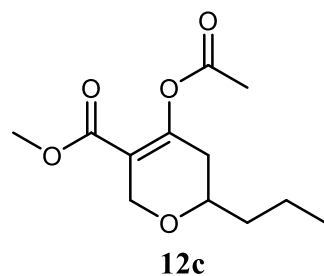
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| 1 Solvent | CHLOROFORM-D |
| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | ¹ H |



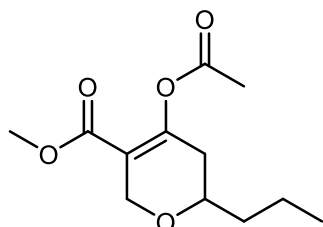
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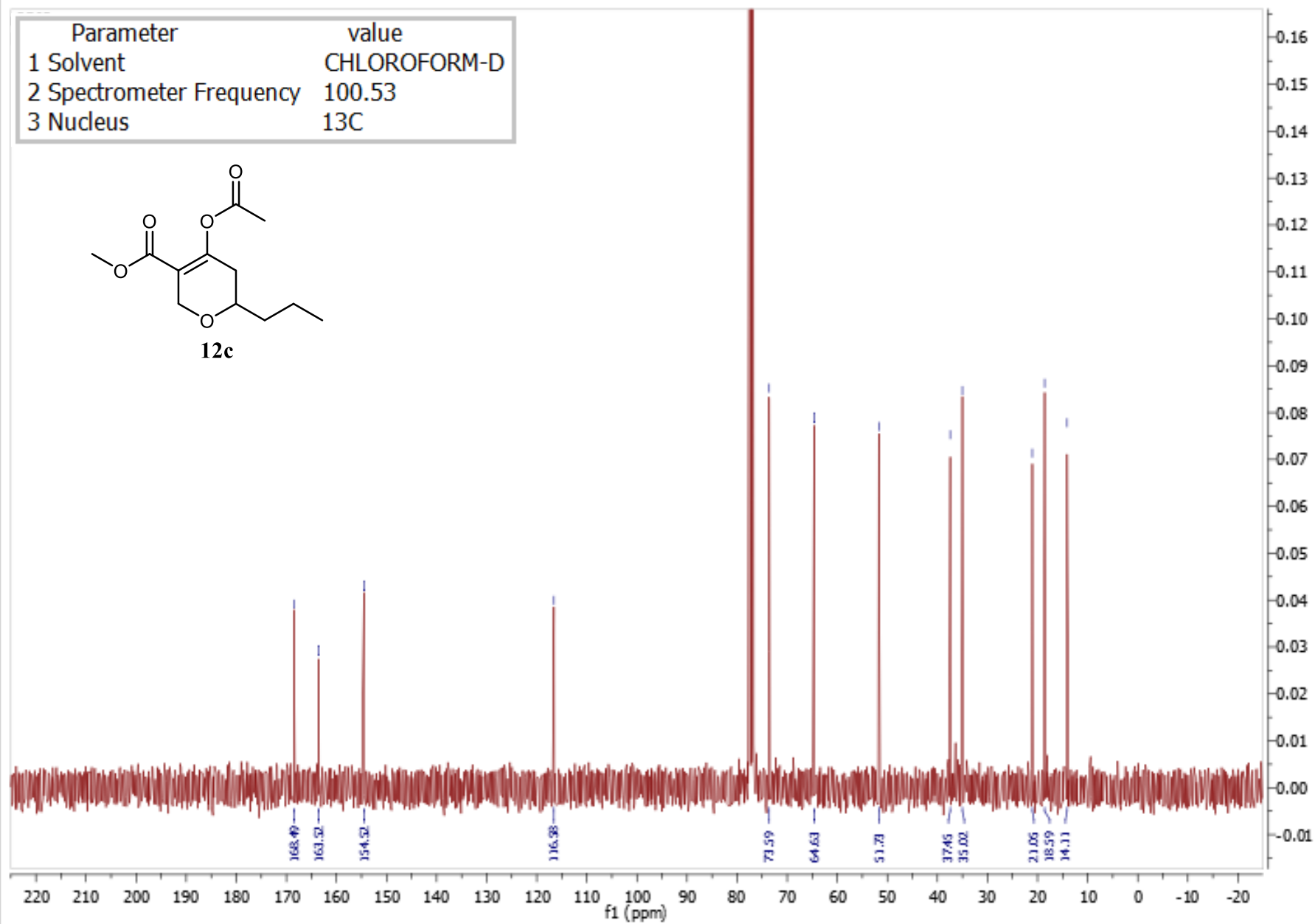
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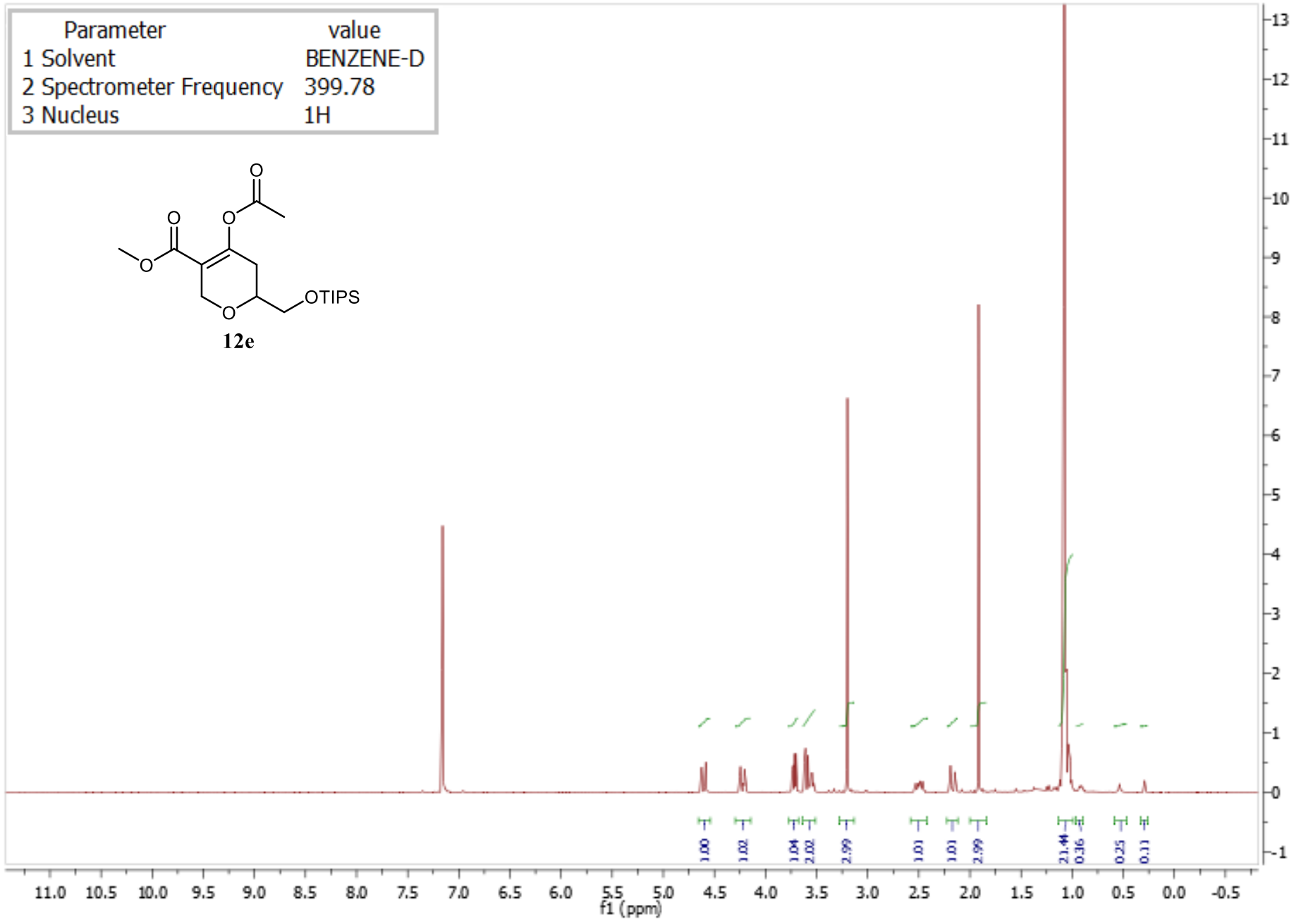
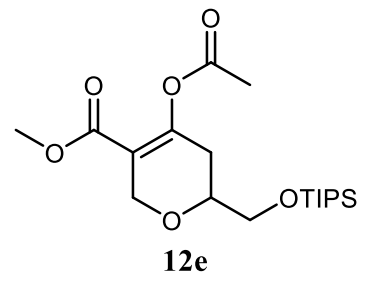
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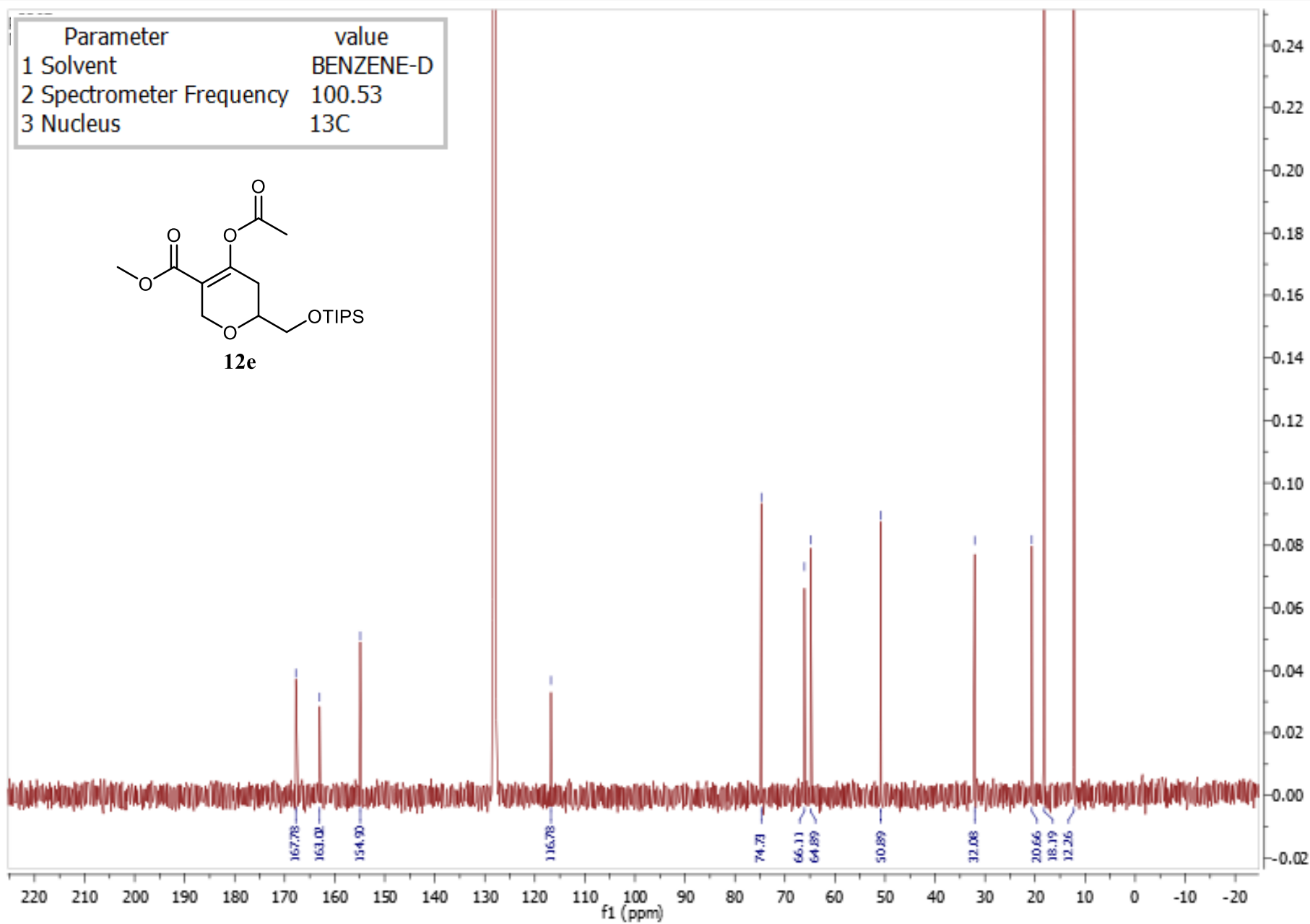
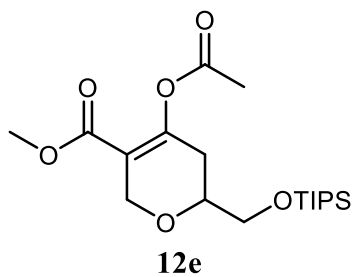
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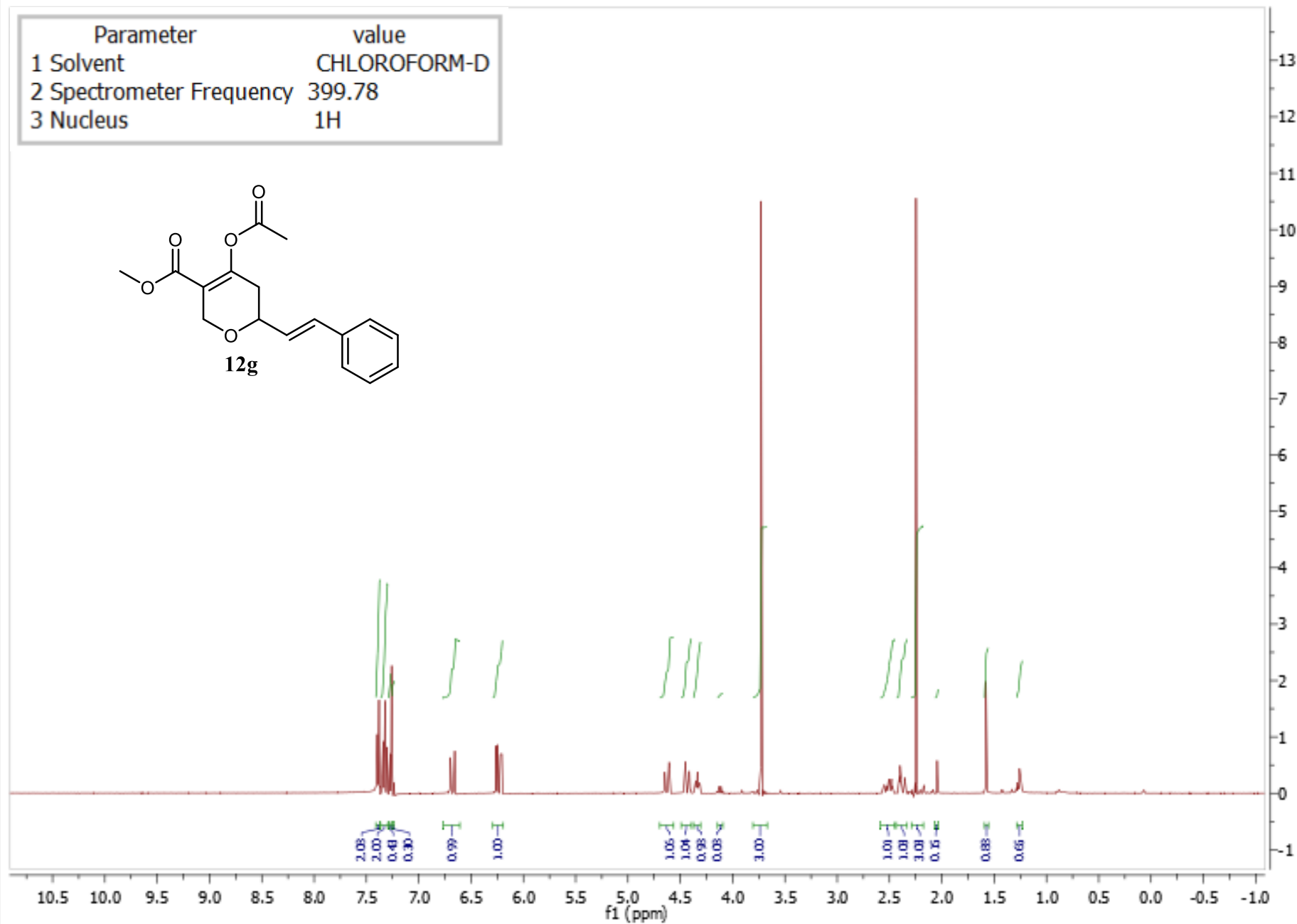
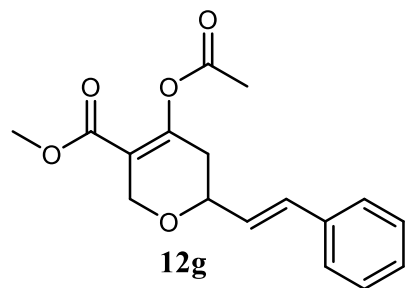
| Parameter | value |
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| 1 Solvent | BENZENE-D |
| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | 1H |



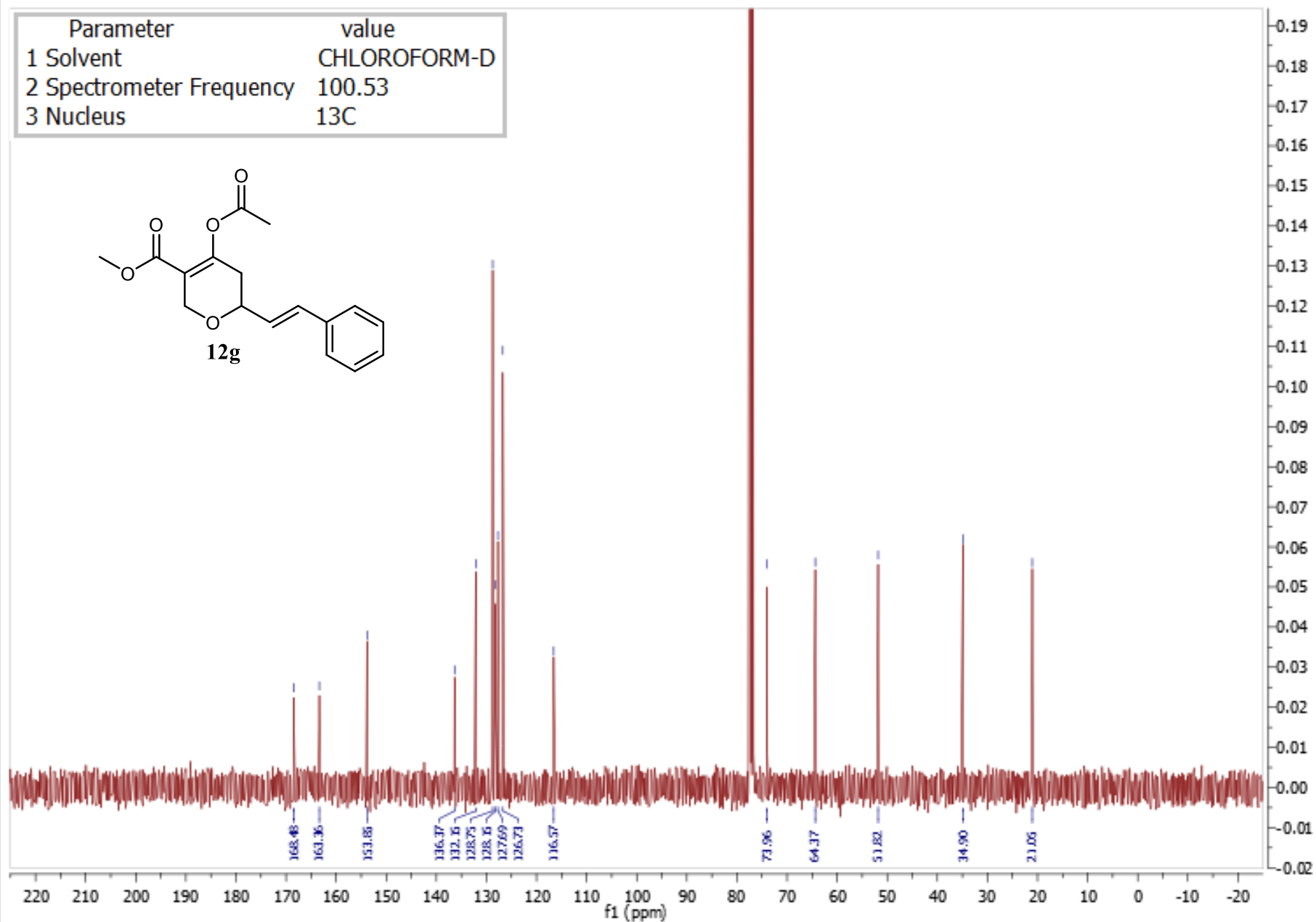
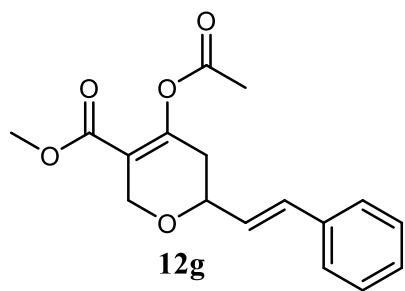
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| 1 Solvent | BENZENE-D |
| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | 13C |



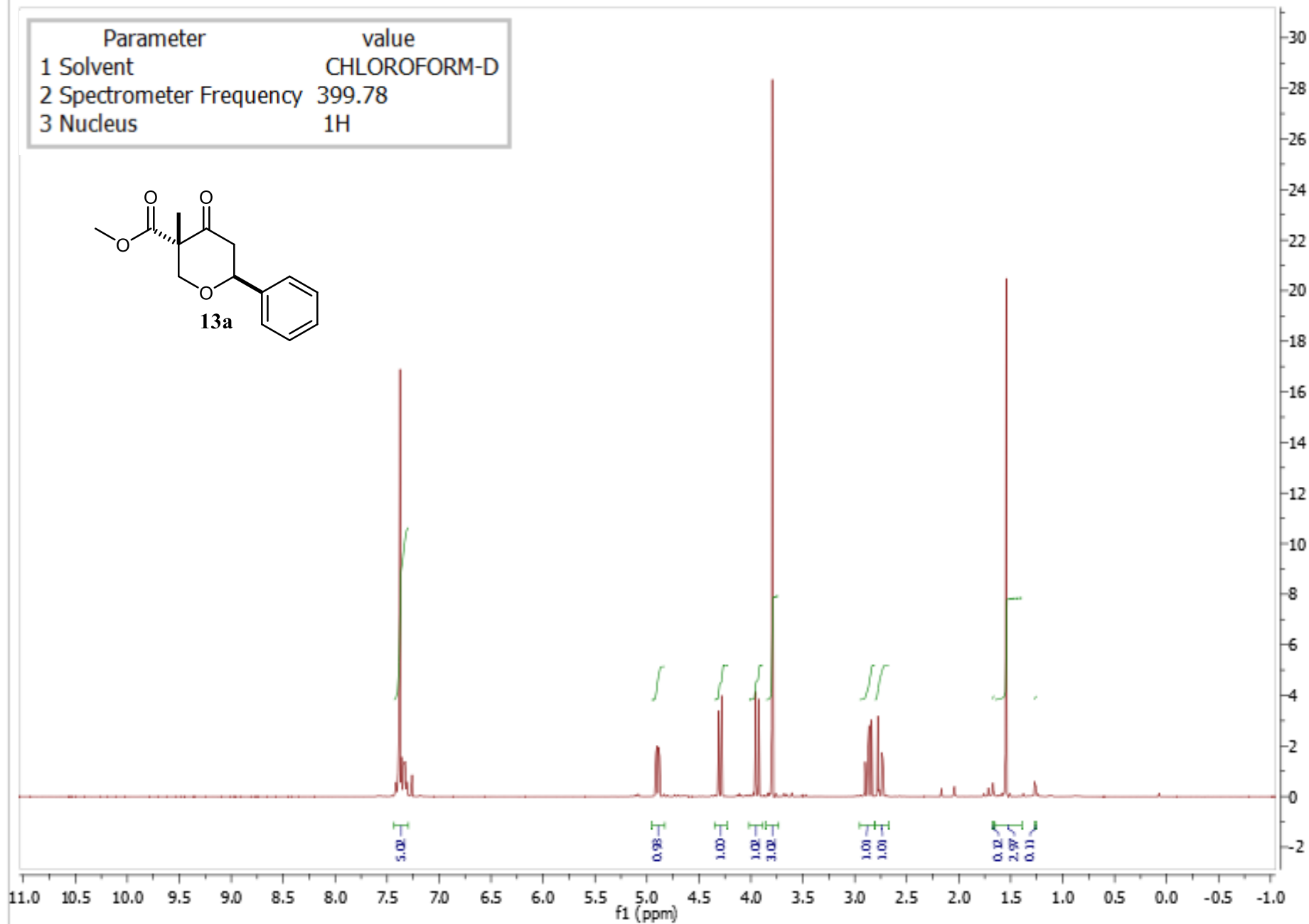
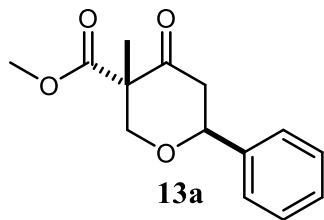
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| 1 Solvent | CHLOROFORM-D |
| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | 1H |



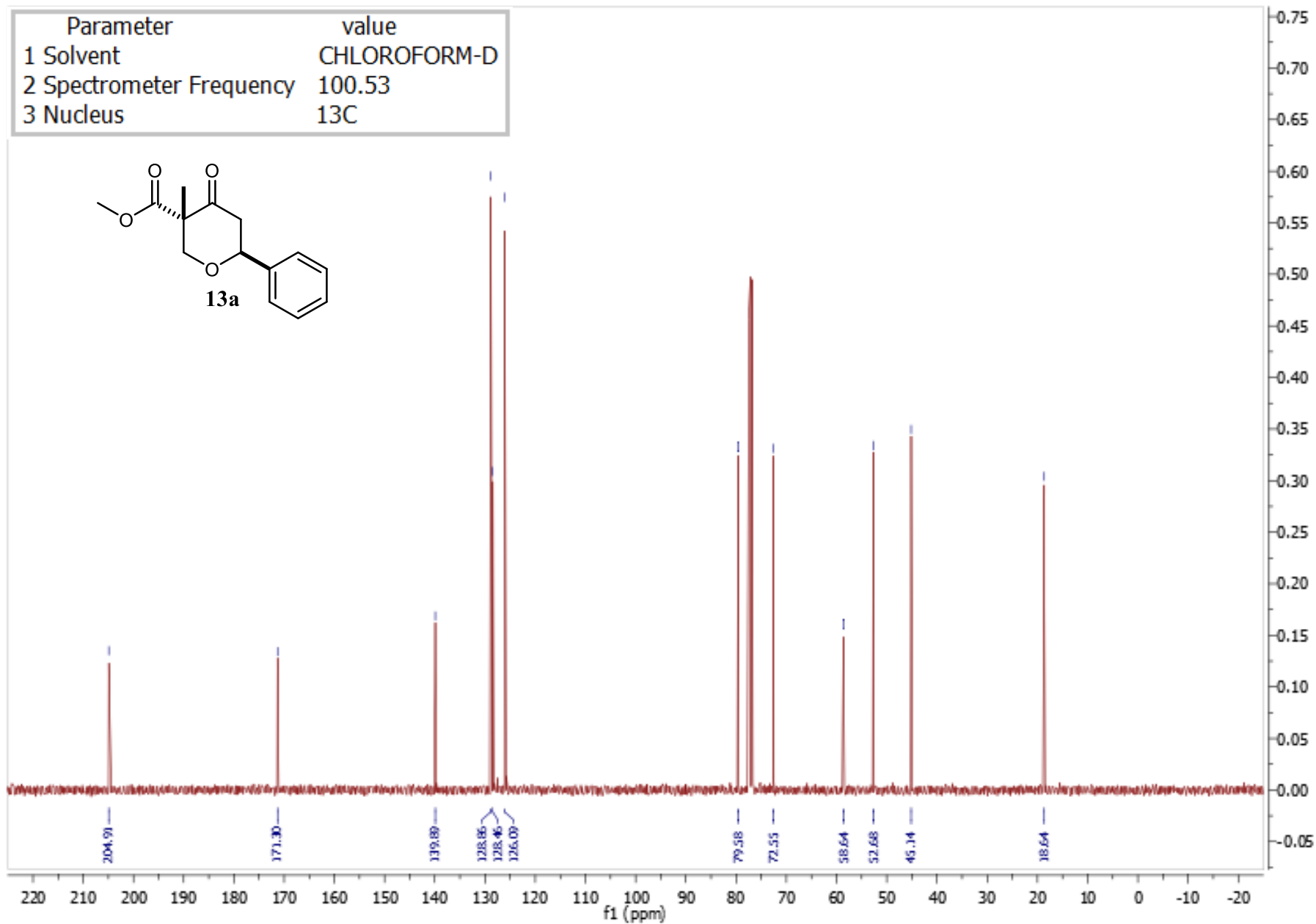
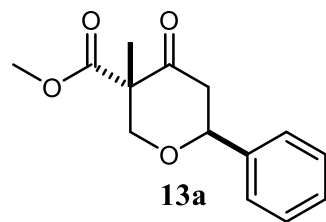
| Parameter | value |
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| 1 Solvent | CHLOROFORM-D |
| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | ¹³ C |



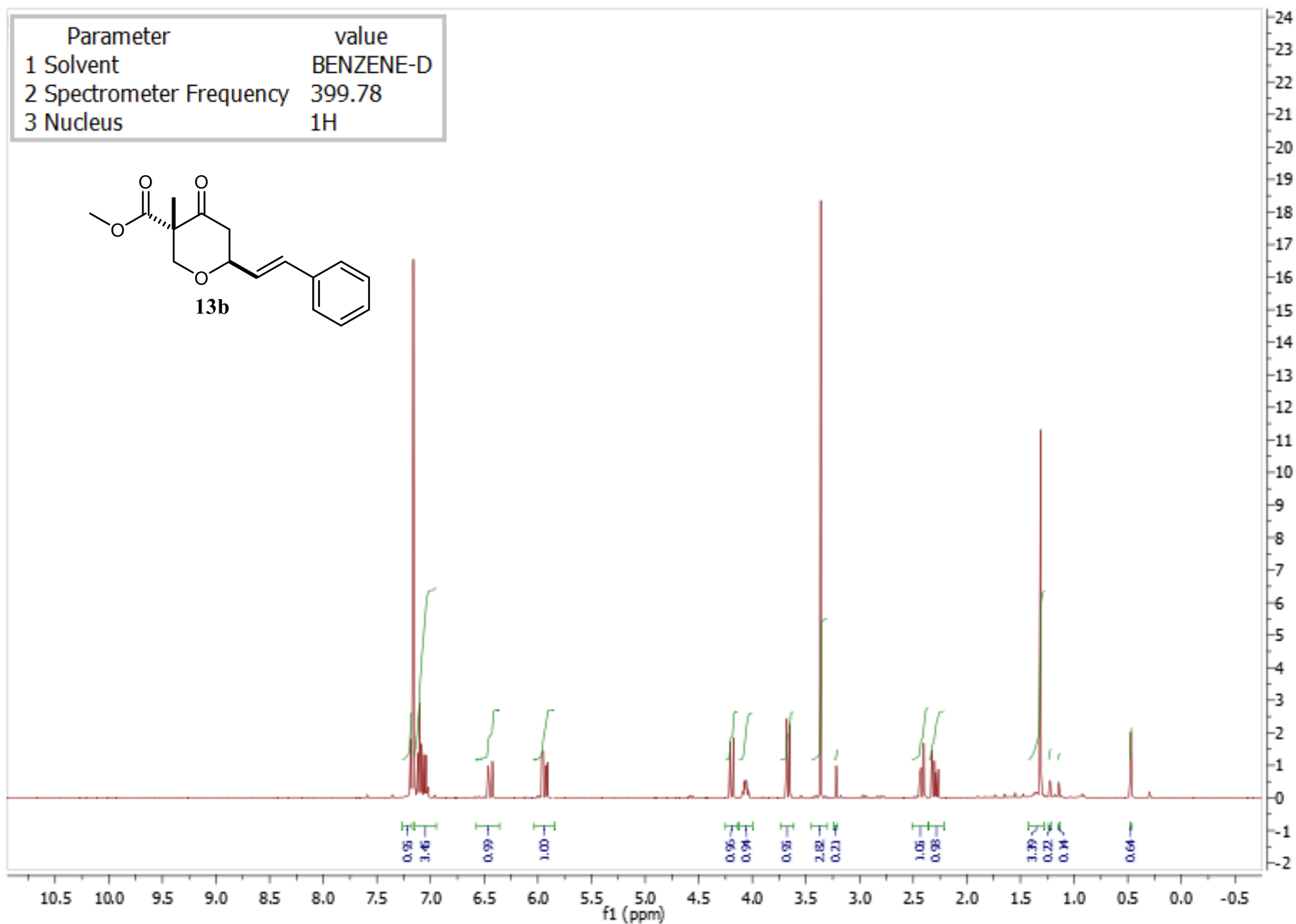
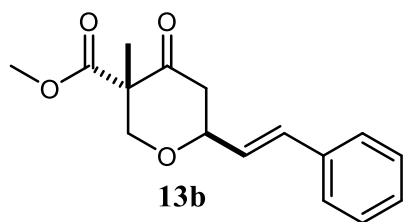
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| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | 1H |



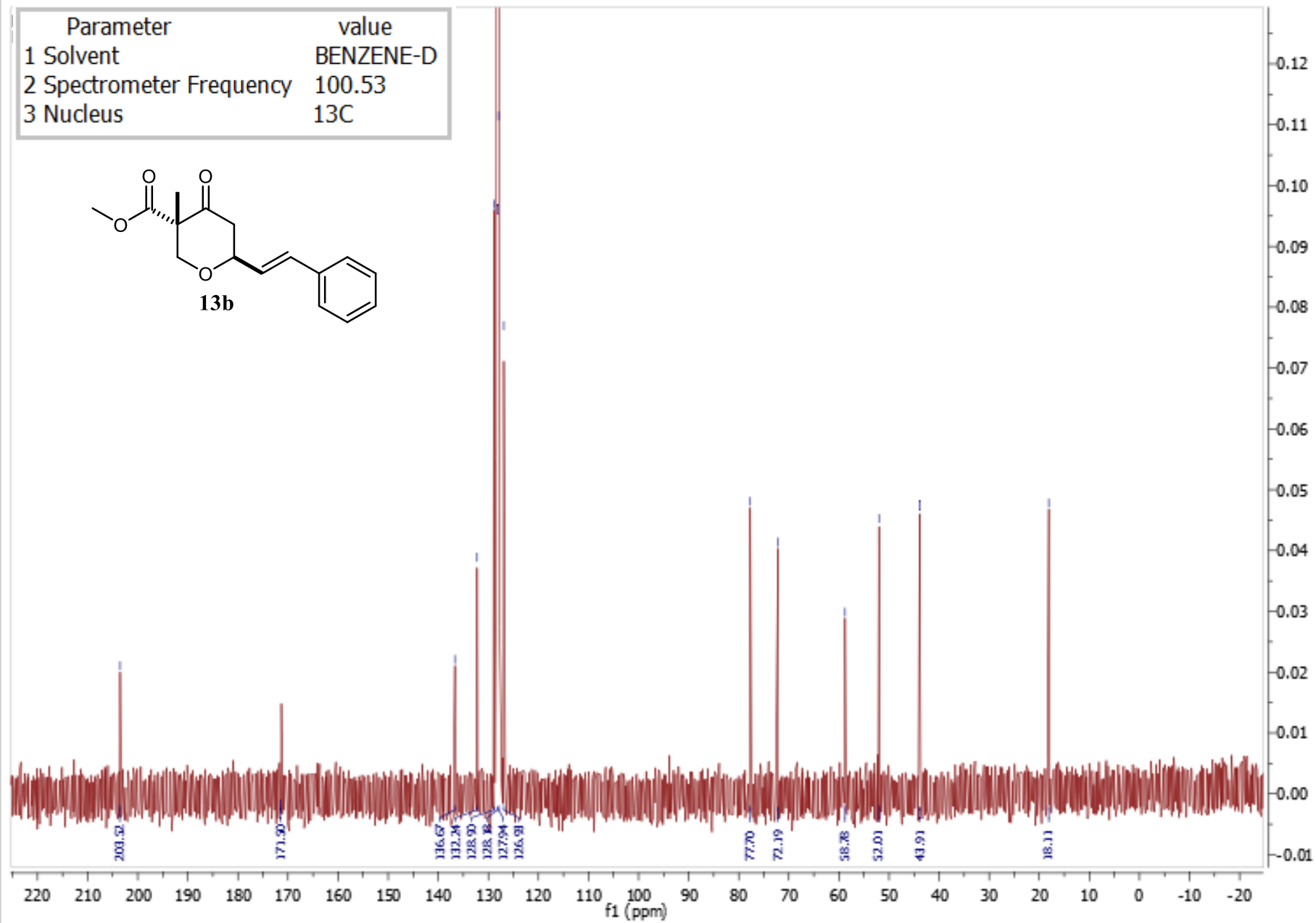
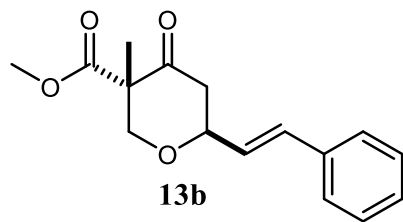
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| 1 Solvent | CHLOROFORM-D |
| 2 Spectrometer Frequency | 100.53 |
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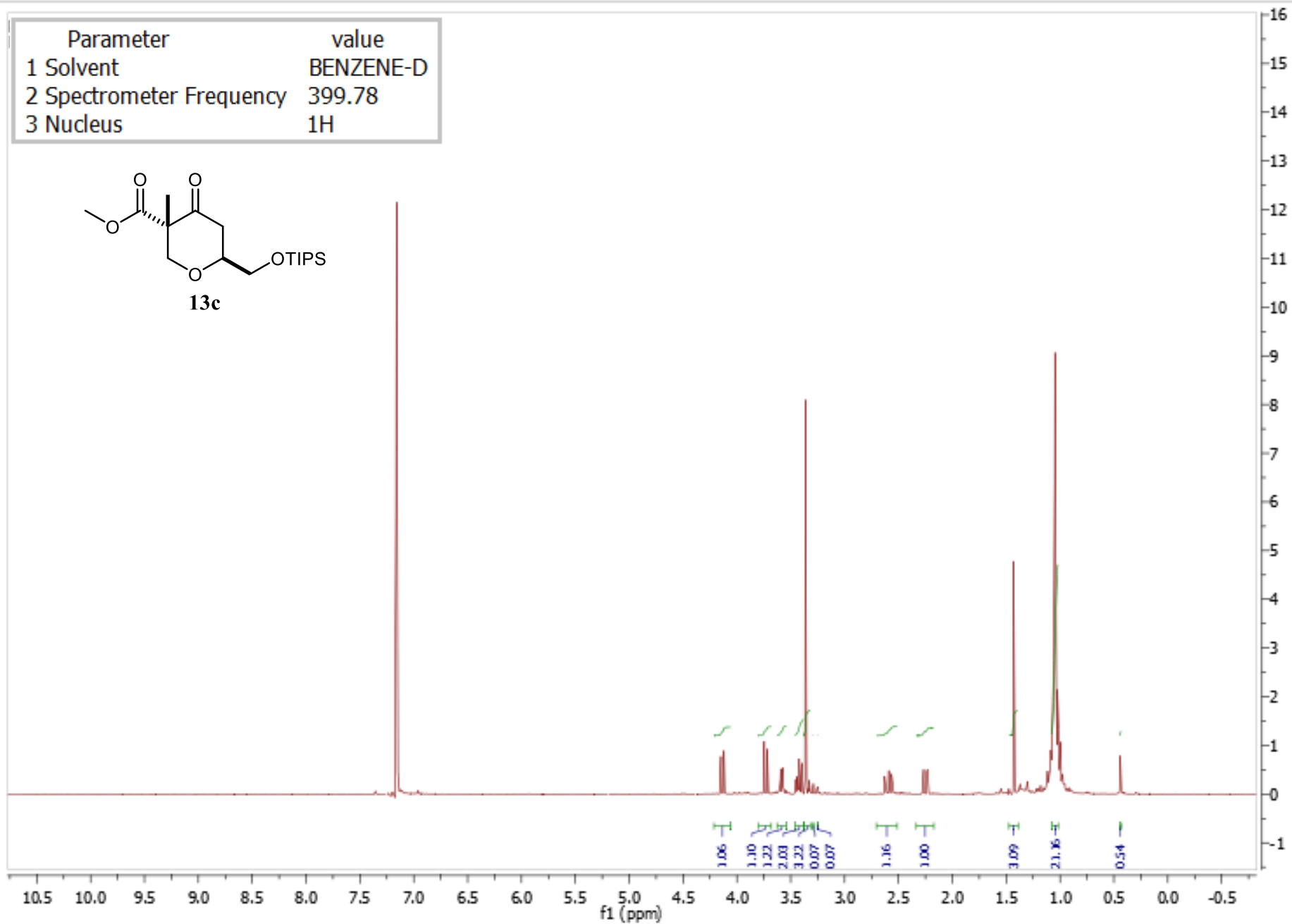
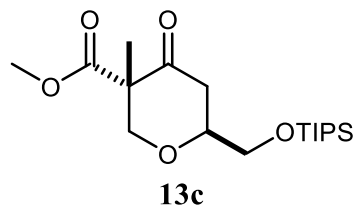
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| 1 Solvent | BENZENE-D |
| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | 1H |



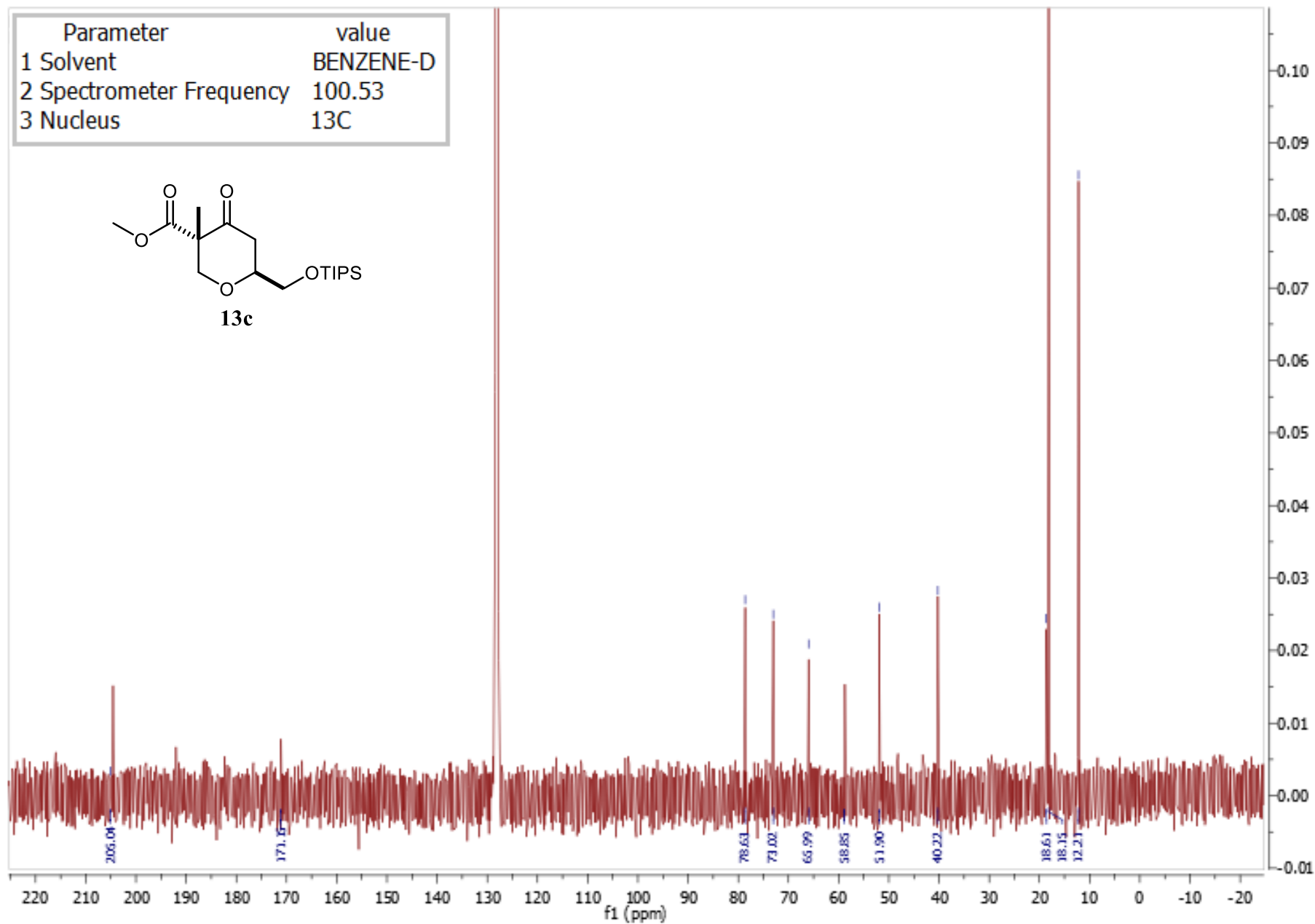
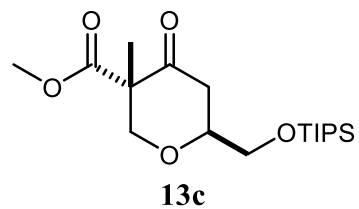
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| 1 Solvent | BENZENE-D |
| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | 13C |



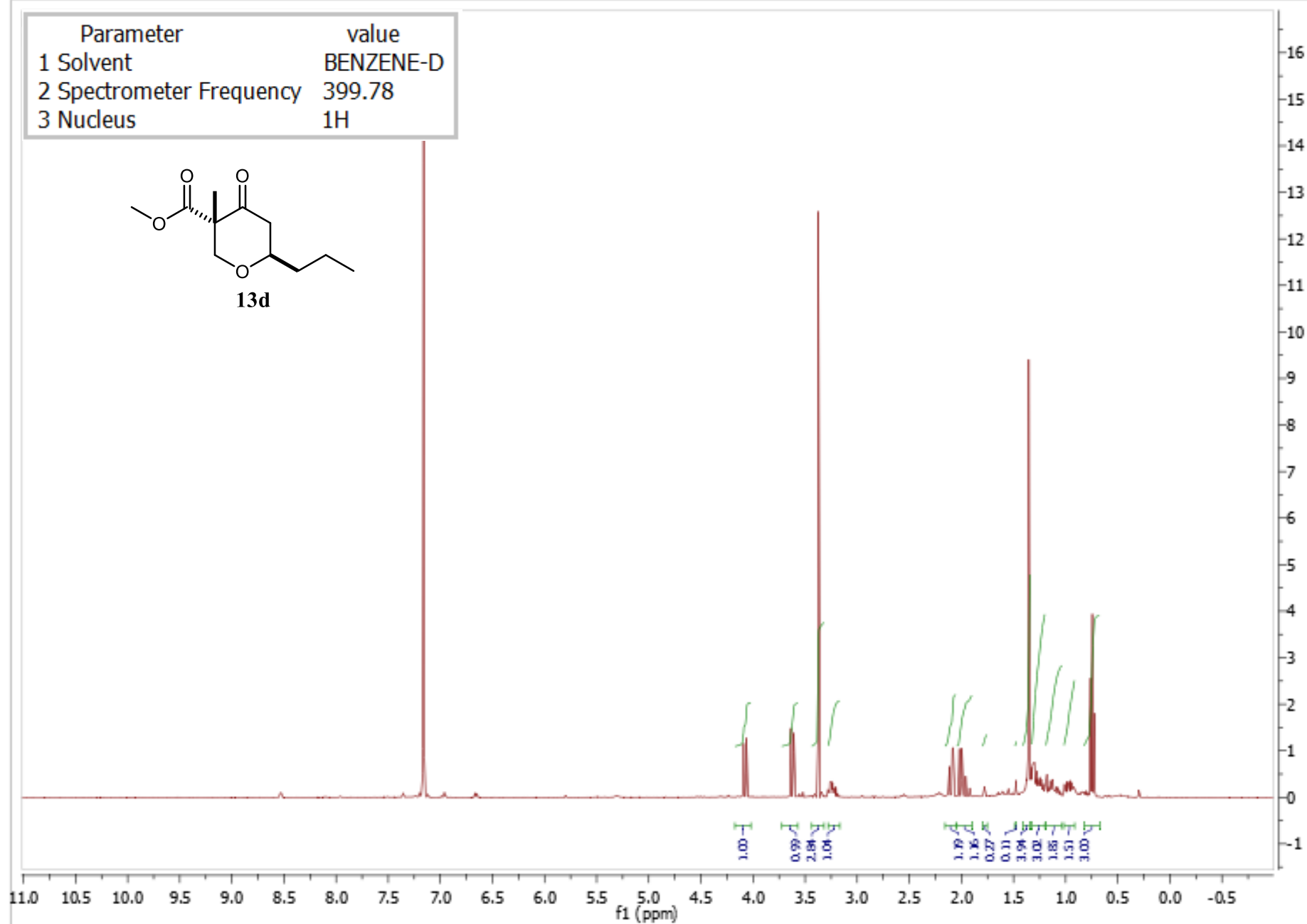
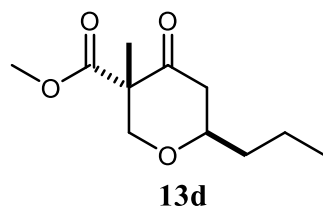
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| 1 Solvent | BENZENE-D |
| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | 1H |



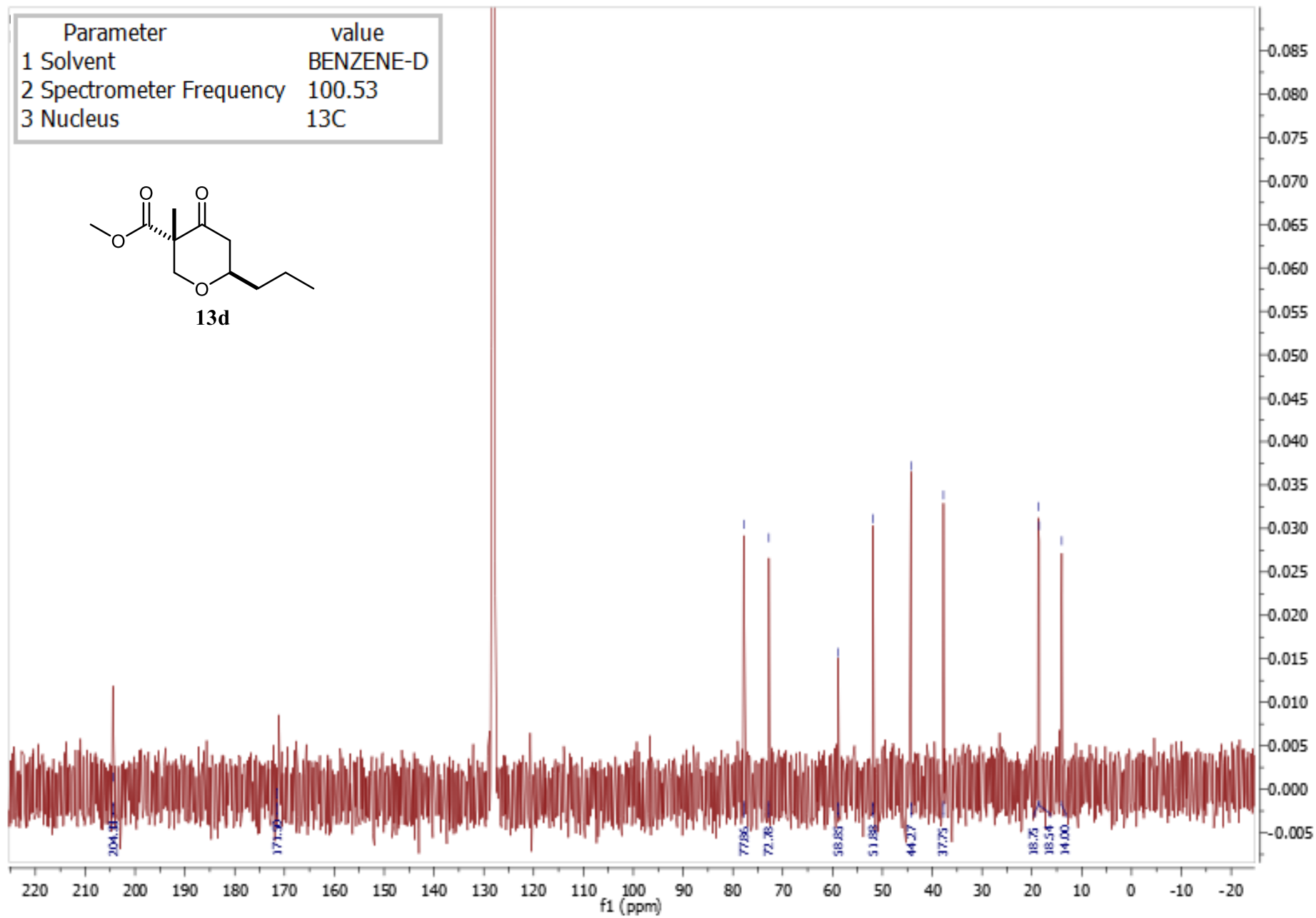
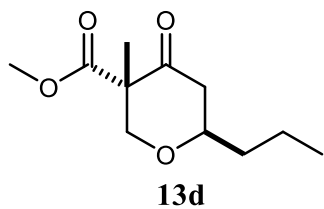
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| 1 Solvent | BENZENE-D |
| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | ¹³ C |



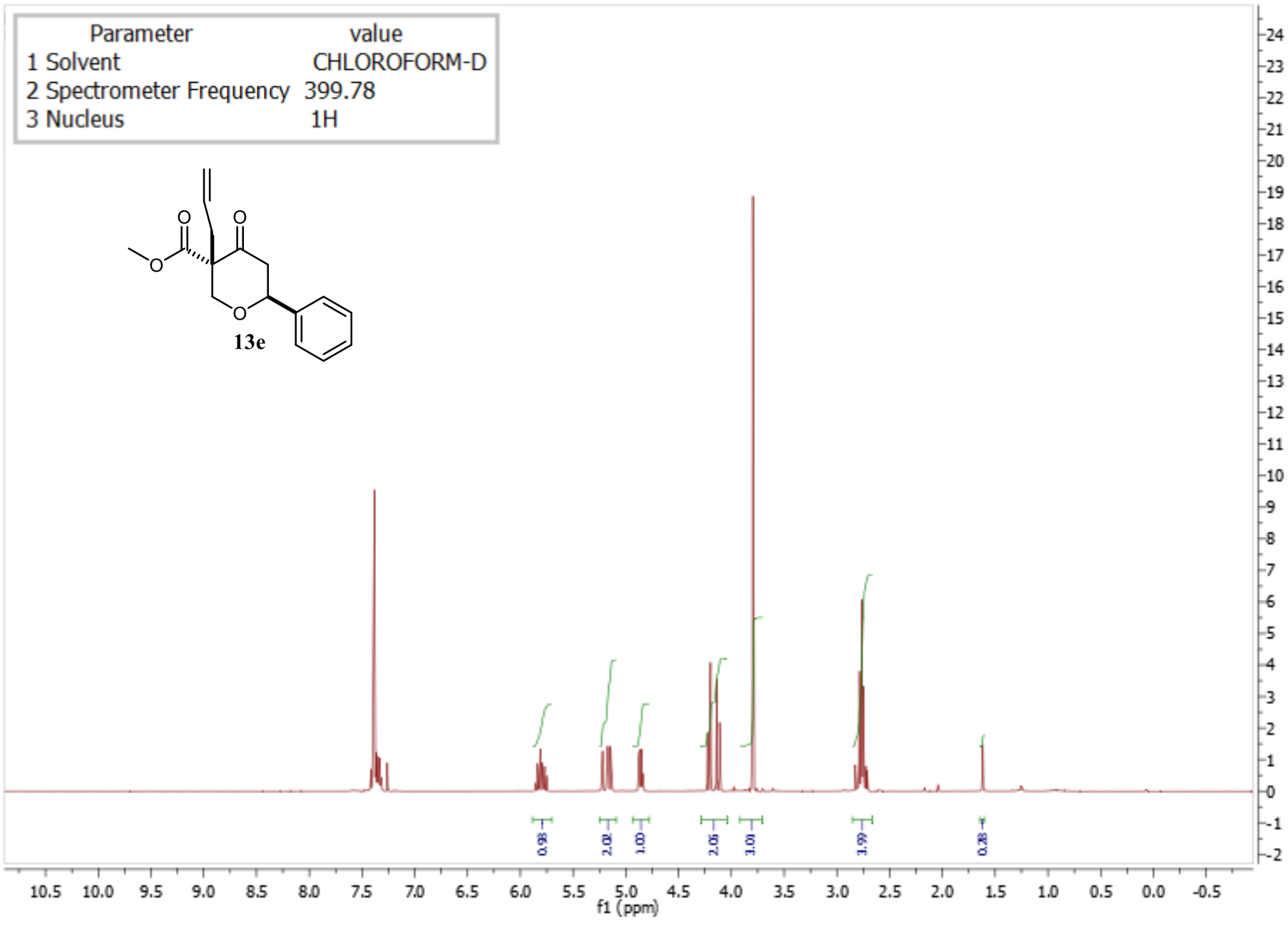
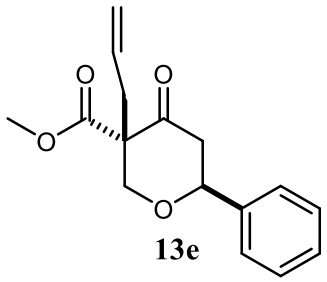
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| 1 Solvent | BENZENE-D |
| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | ¹ H |



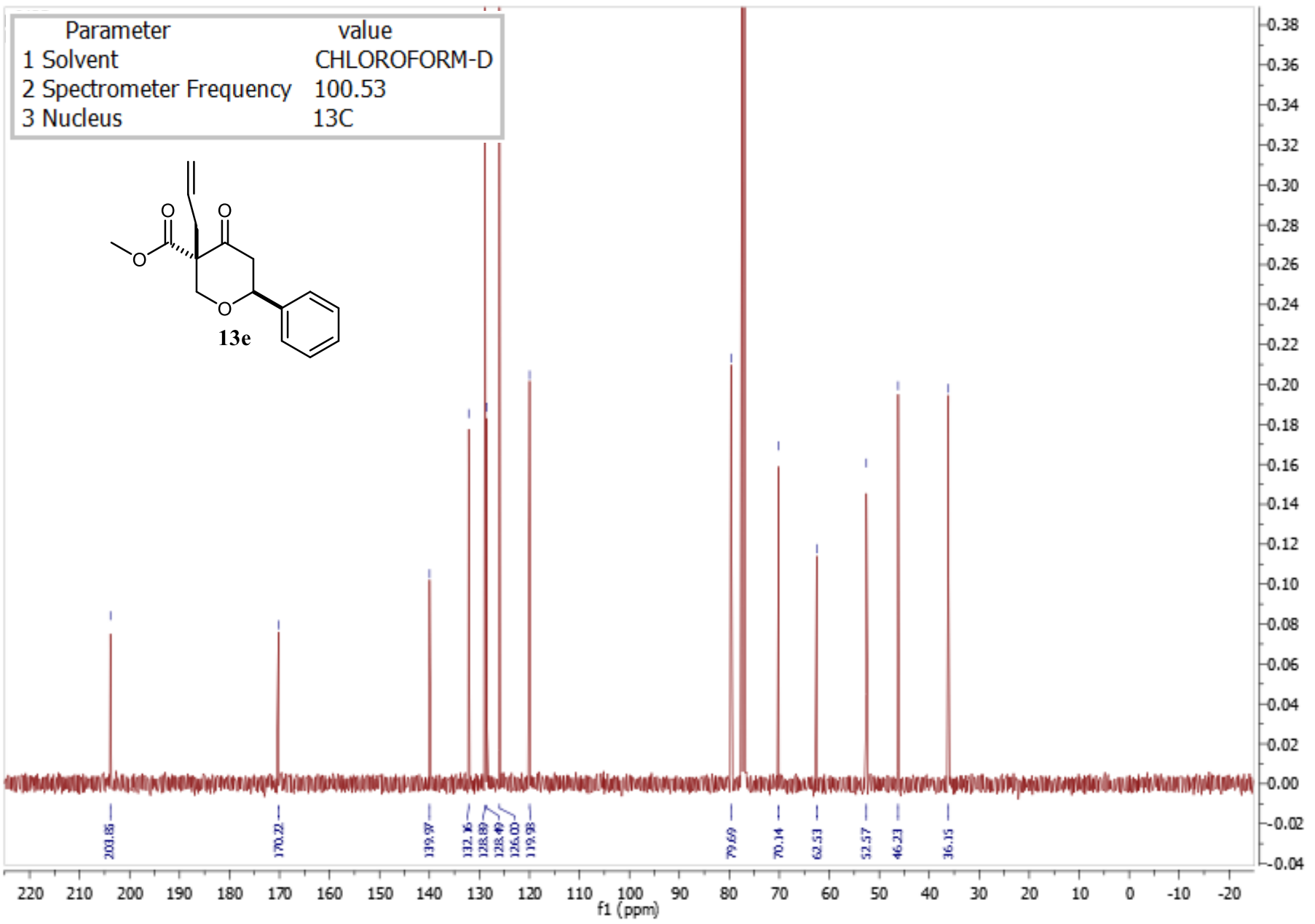
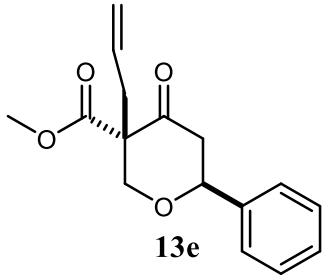
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| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | 13C |



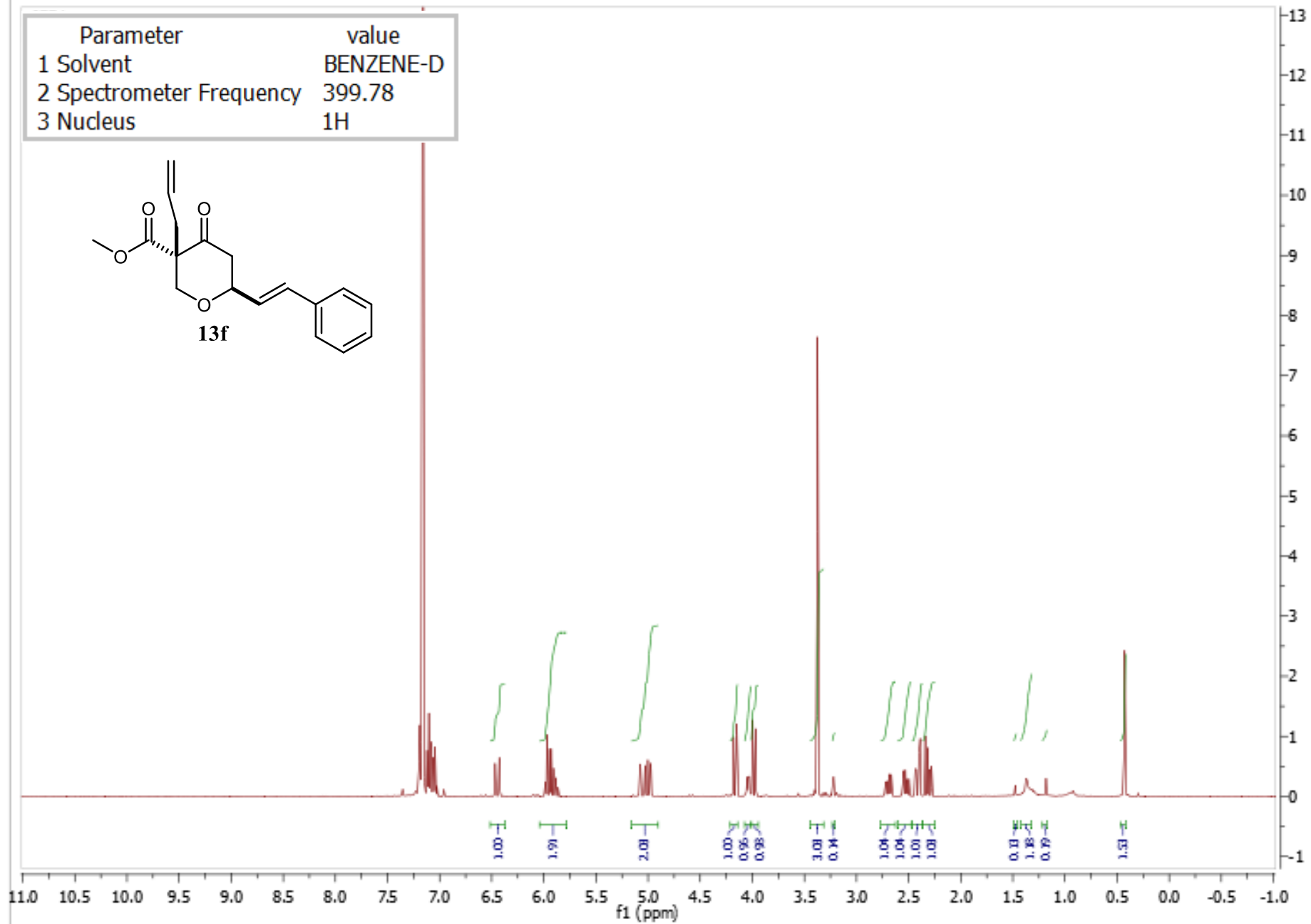
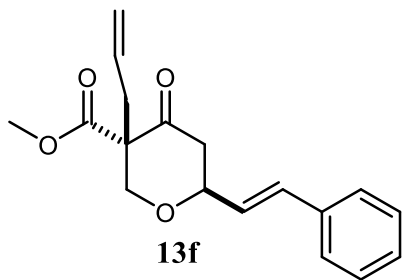
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| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | 1H |



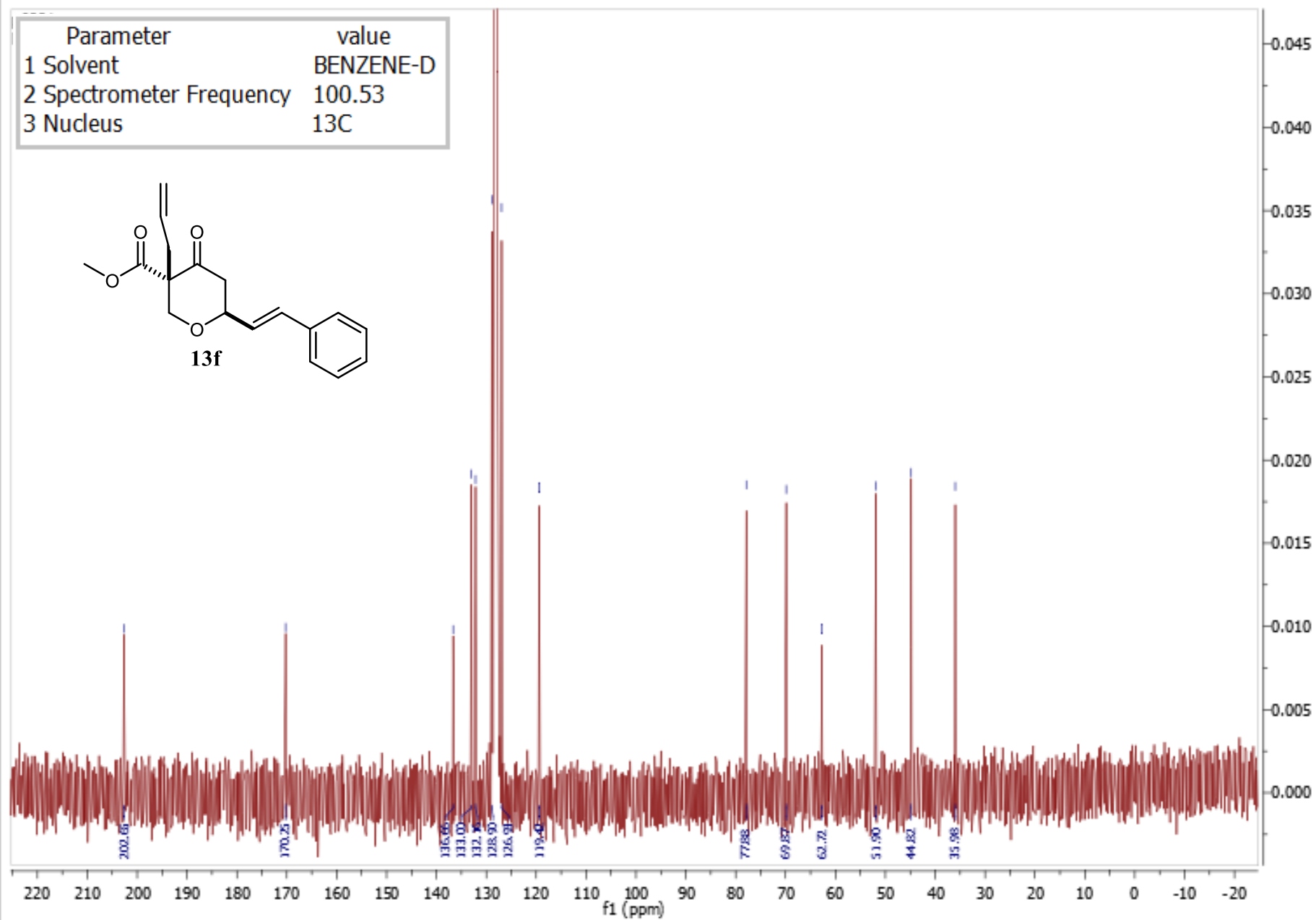
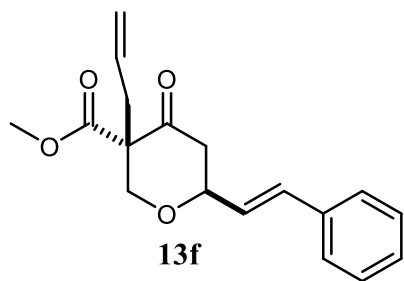
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| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | 13C |



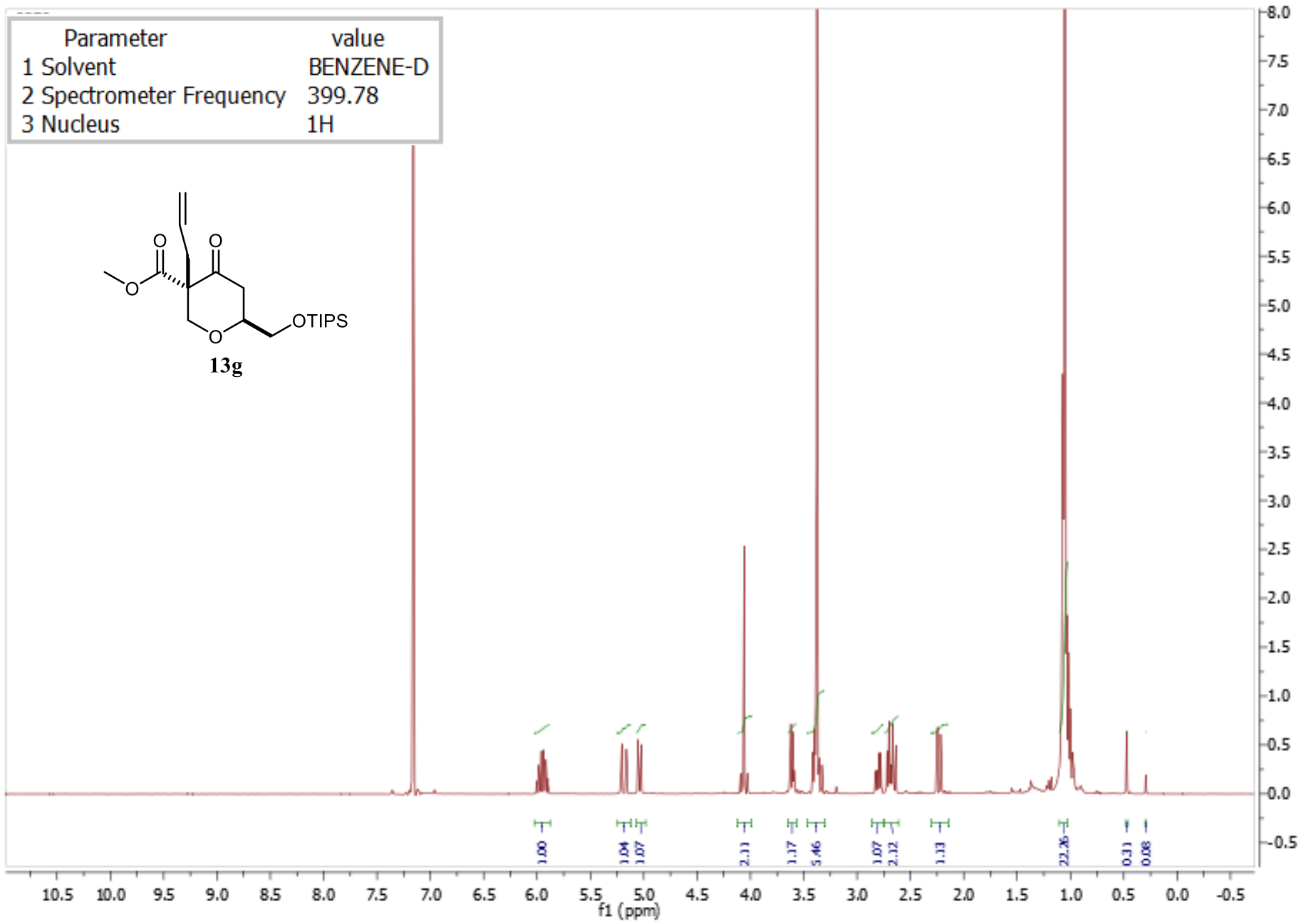
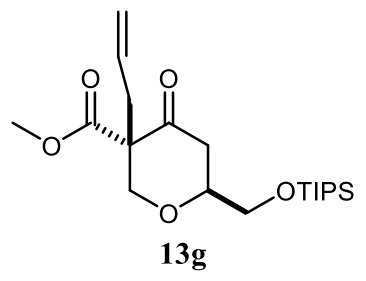
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| 1 Solvent | BENZENE-D |
| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | 1H |



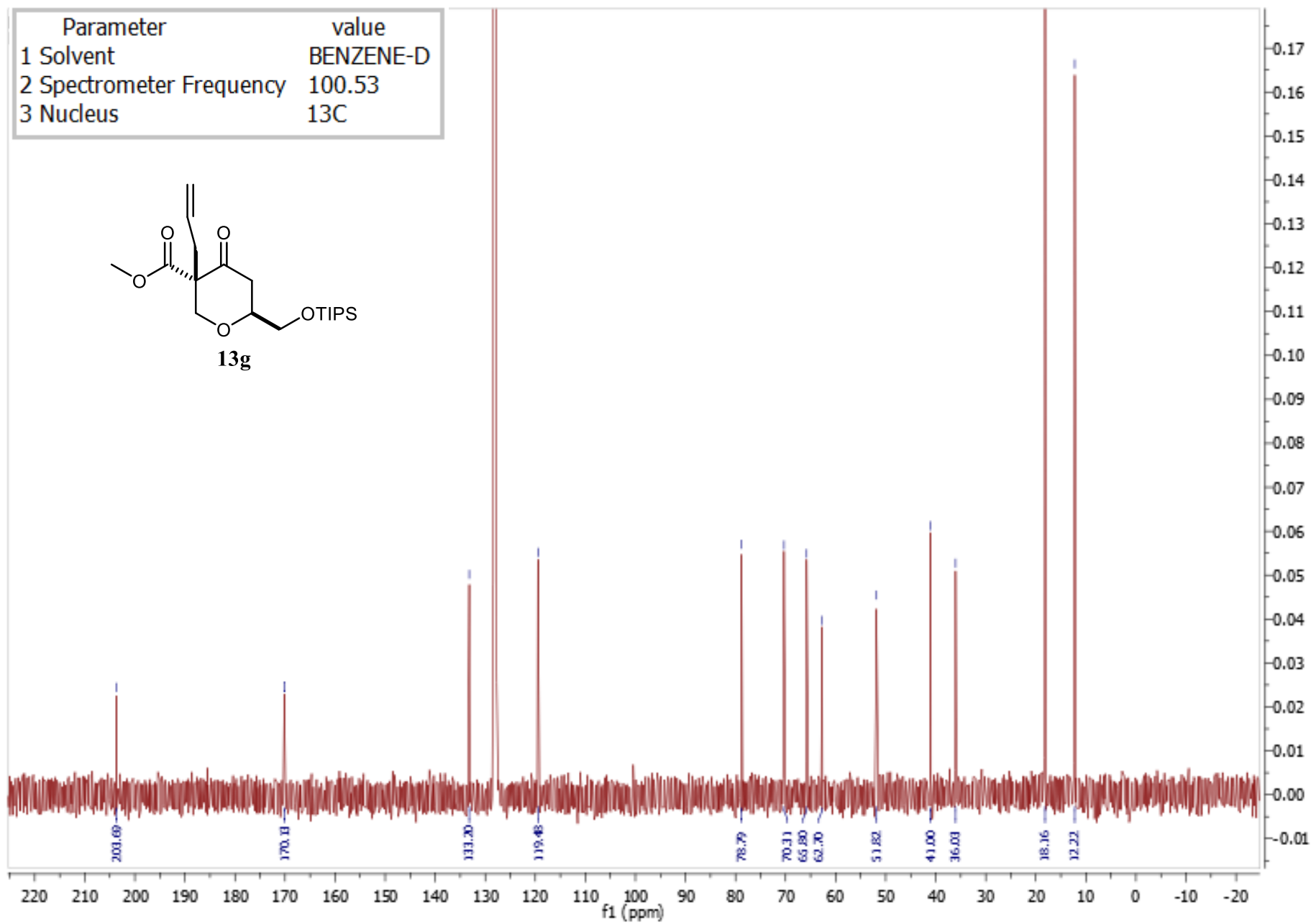
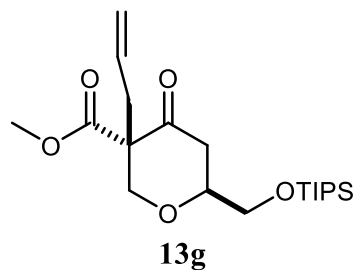
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| 1 Solvent | BENZENE-D |
| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | ¹³ C |



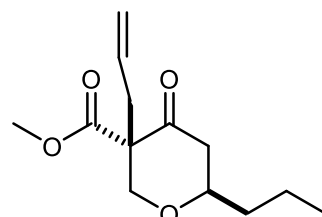
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| 1 Solvent | BENZENE-D |
| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | 1H |



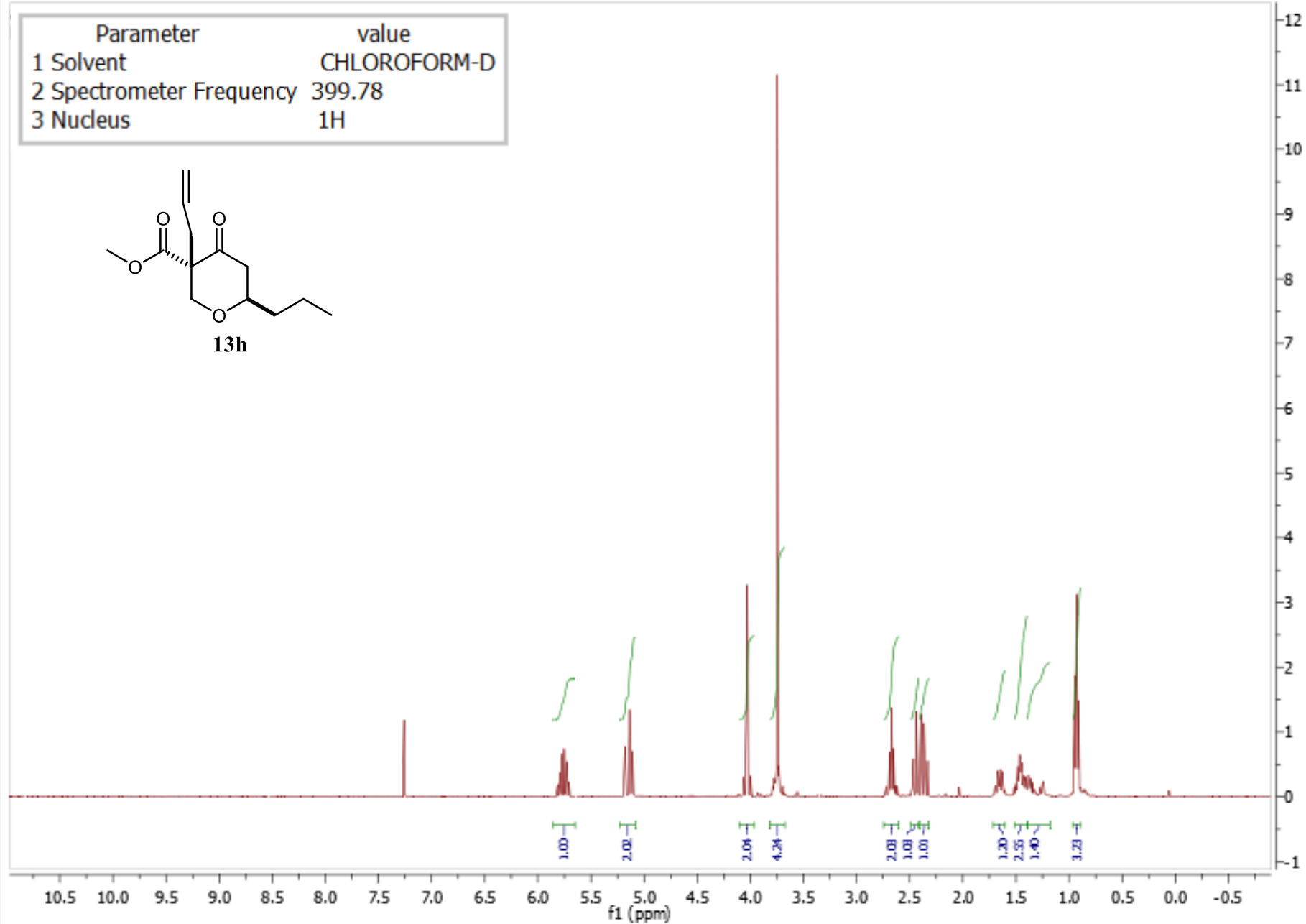
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| 1 Solvent | BENZENE-D |
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| 3 Nucleus | ¹³ C |



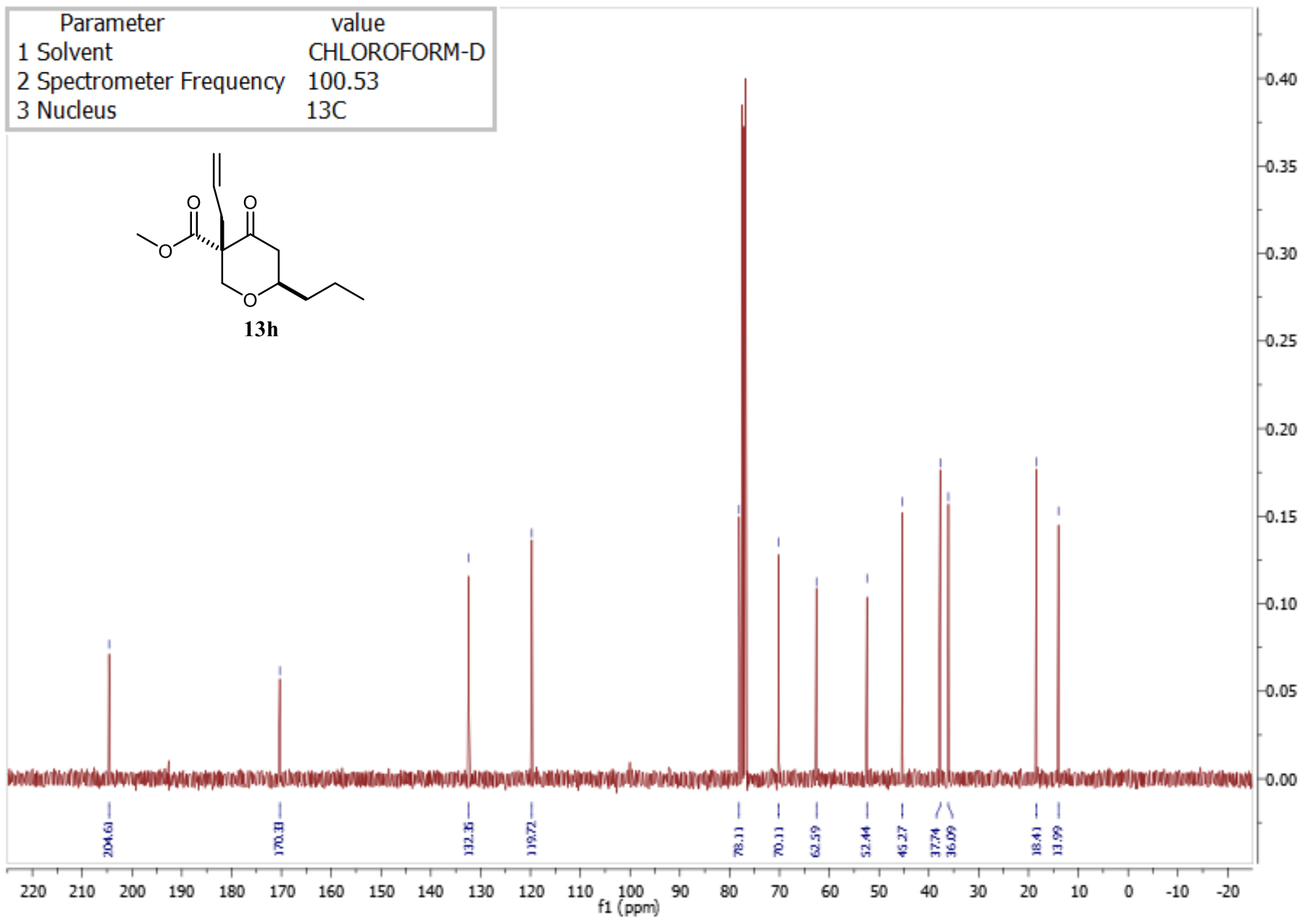
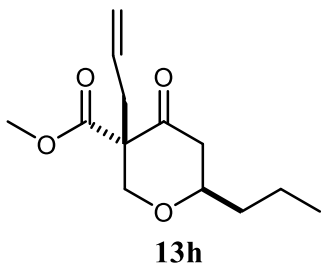
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| 1 Solvent | CHLOROFORM-D |
| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | ¹ H |



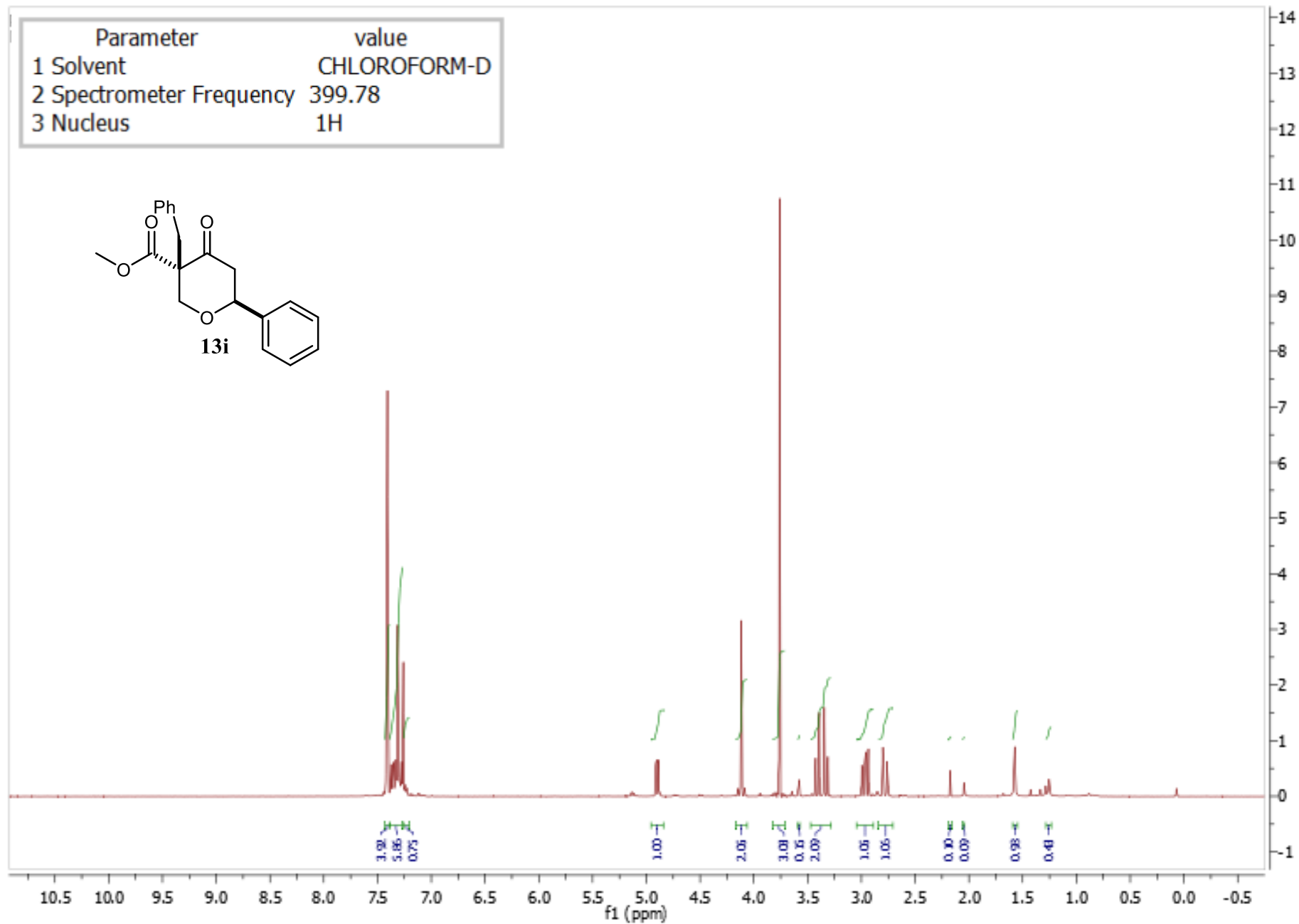
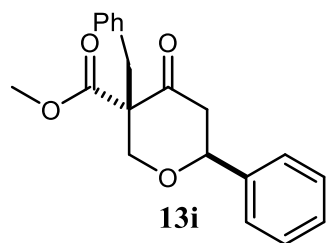
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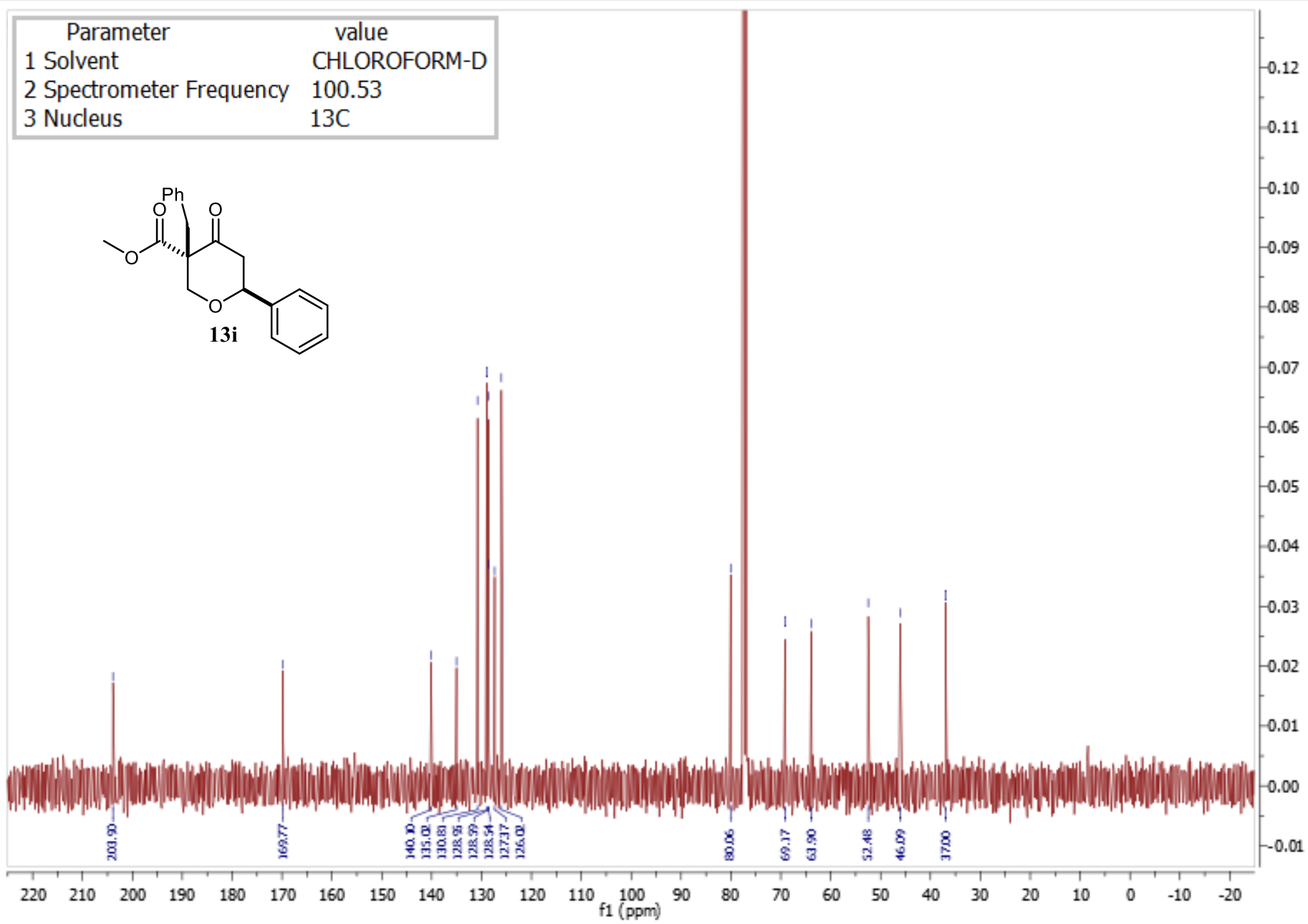
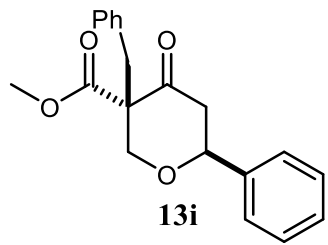
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| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | ¹³ C |



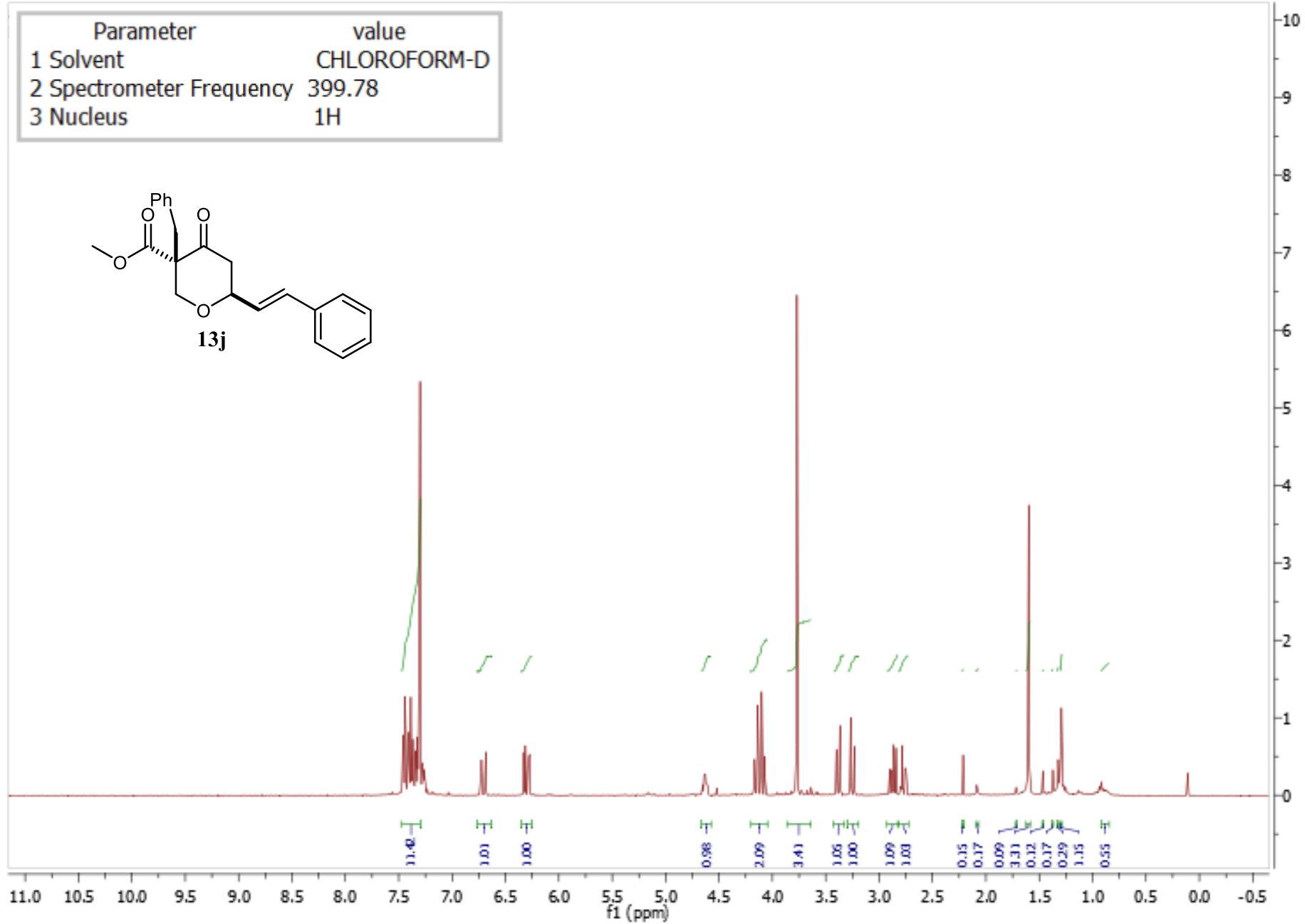
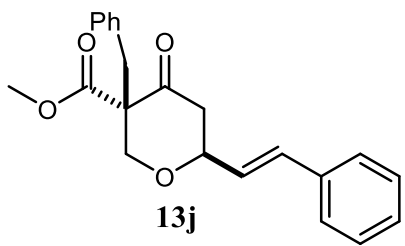
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| 2 Spectrometer Frequency | 399.78 |
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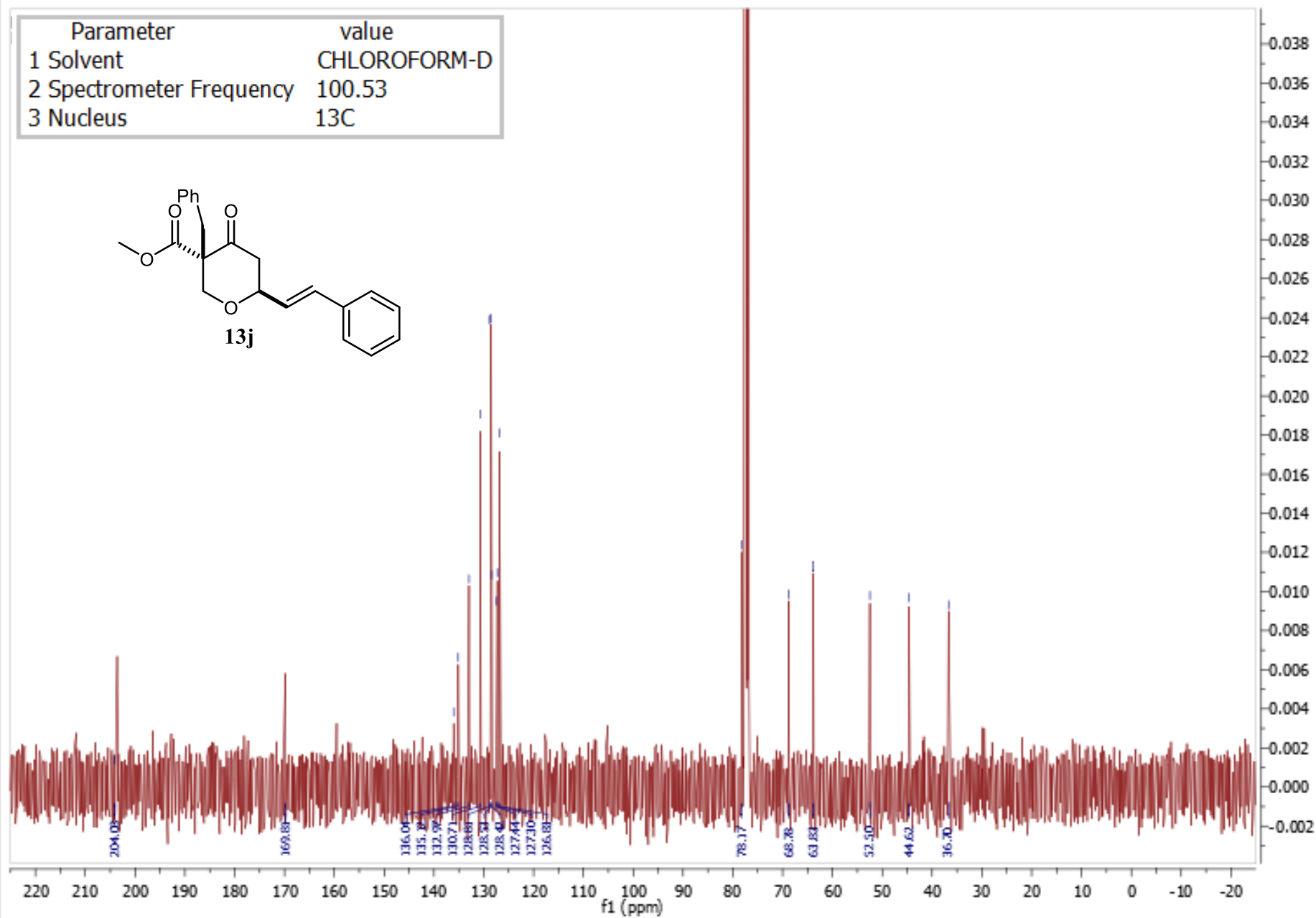
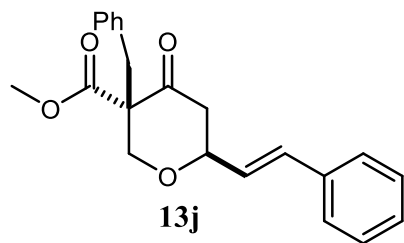
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| 1 Solvent | CHLOROFORM-D |
| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | 13C |



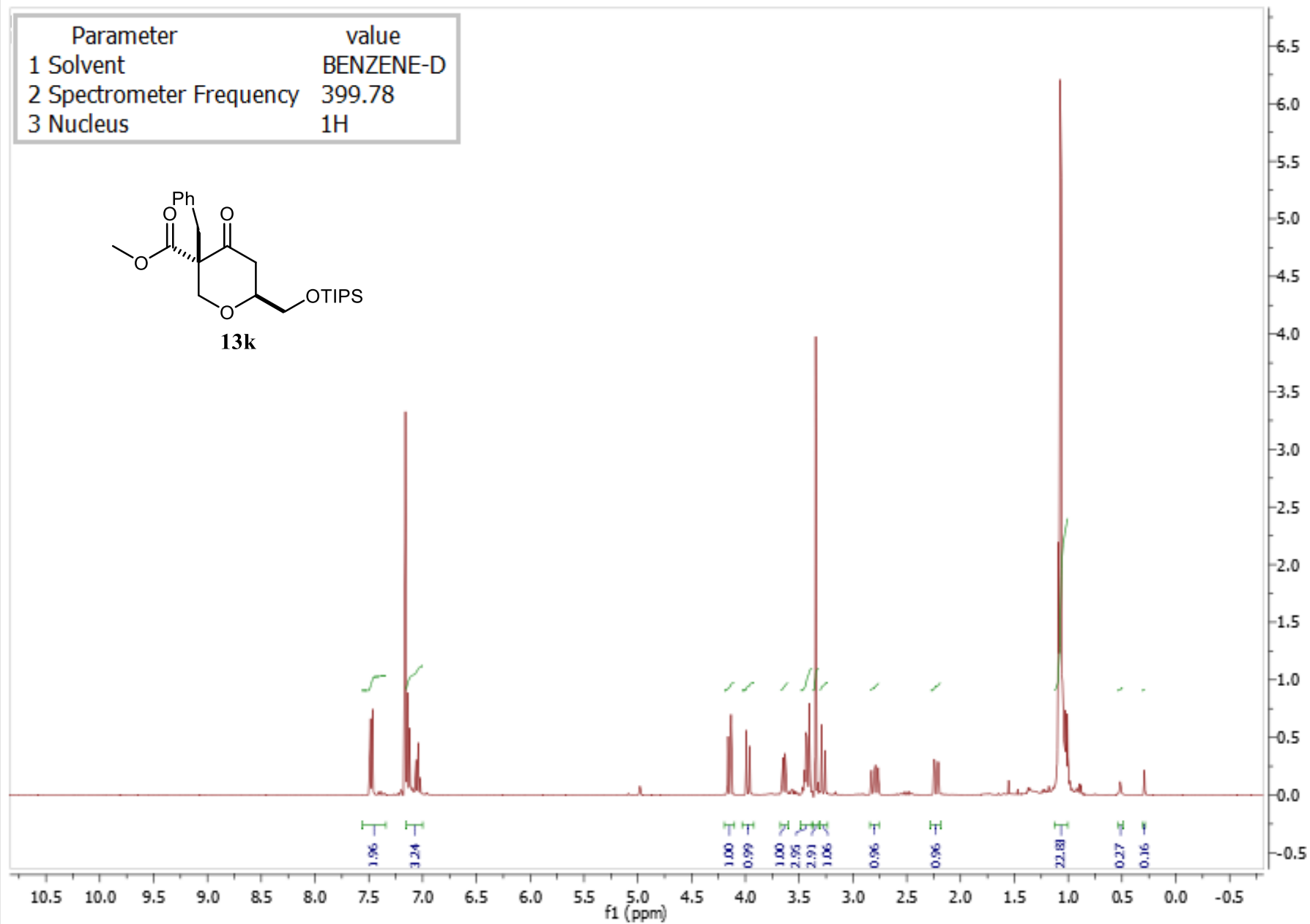
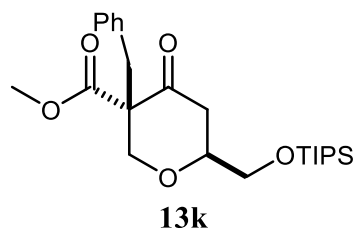
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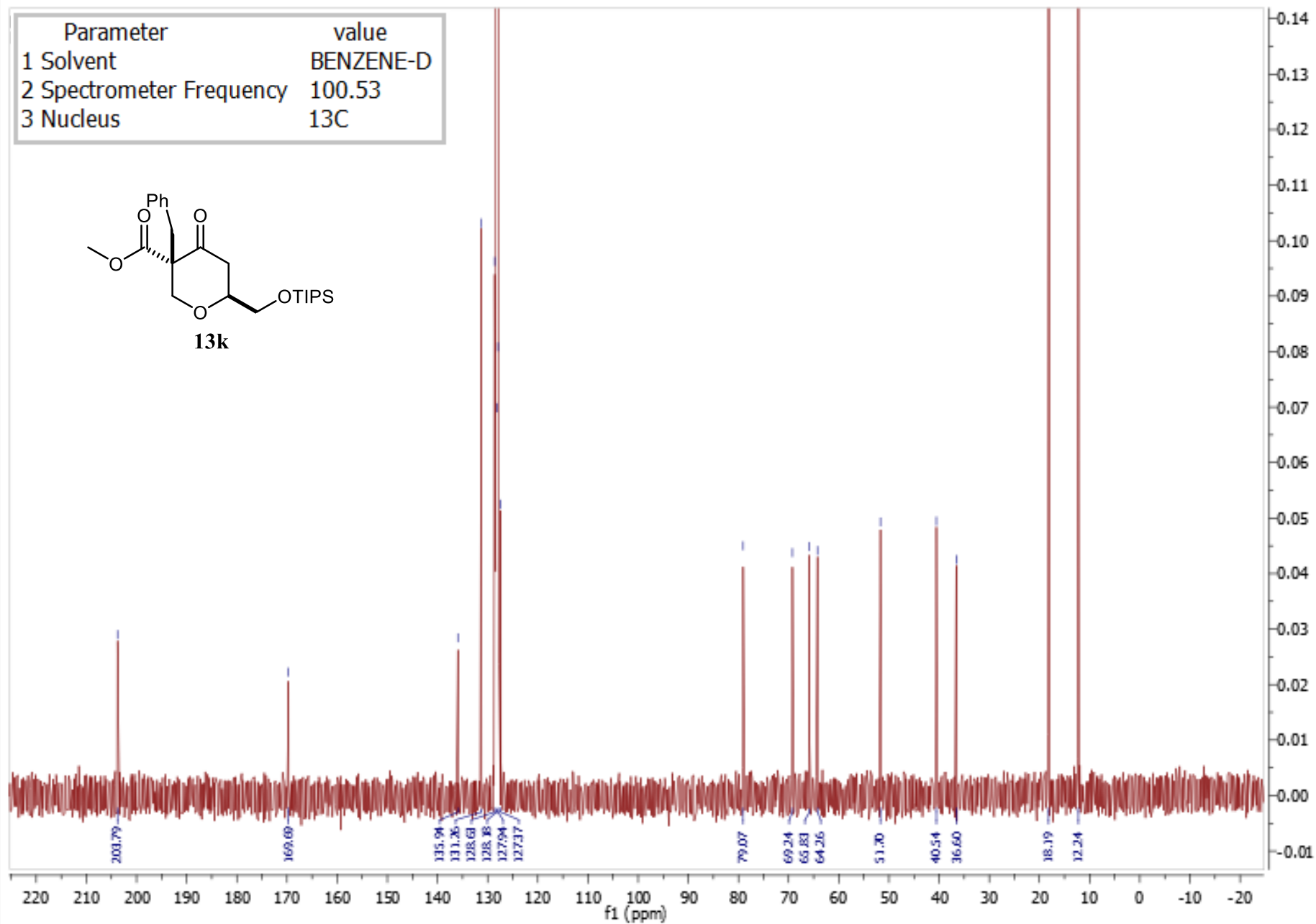
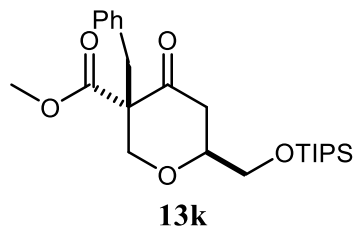
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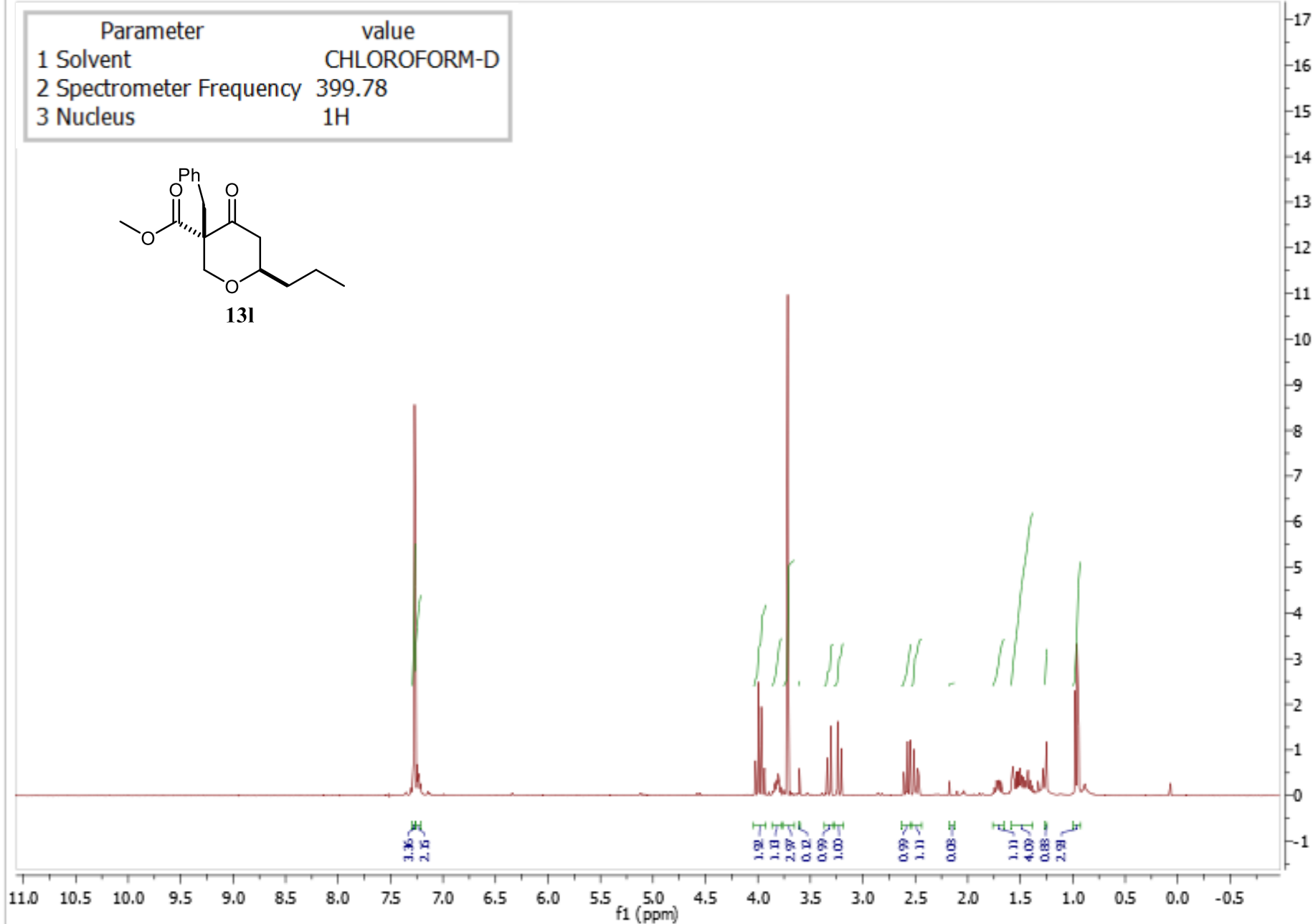
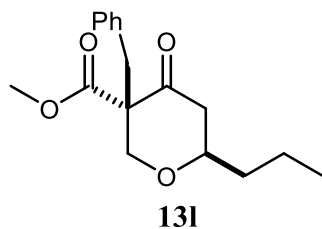
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| 2 Spectrometer Frequency | 399.78 |
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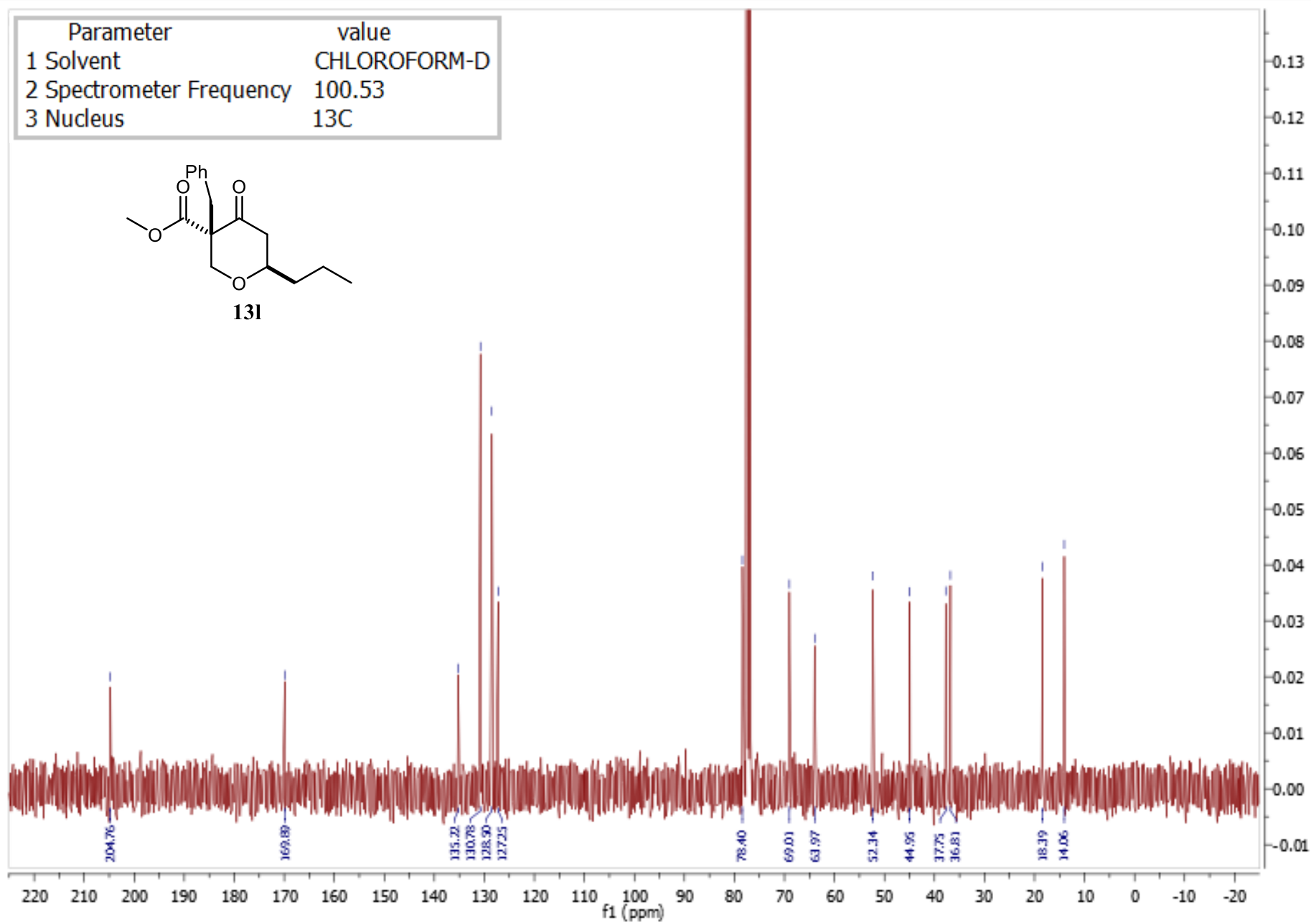
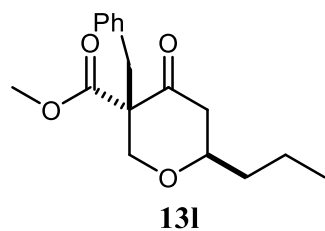
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| 1 Solvent | BENZENE-D |
| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | ¹³ C |



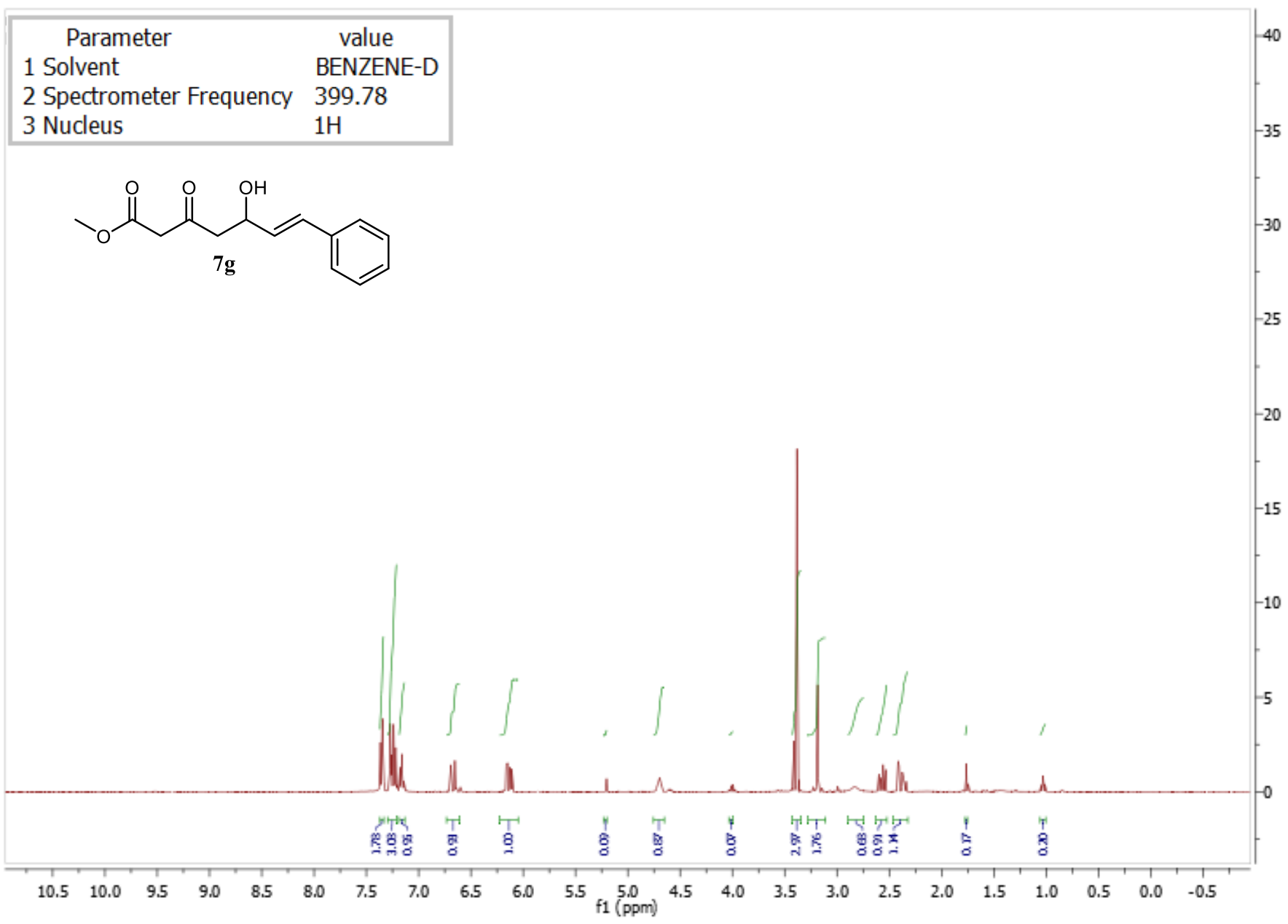
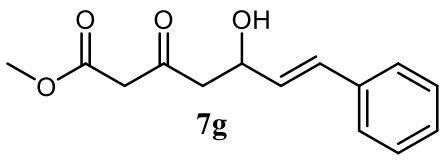
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| 1 Solvent | CHLOROFORM-D |
| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | 1H |



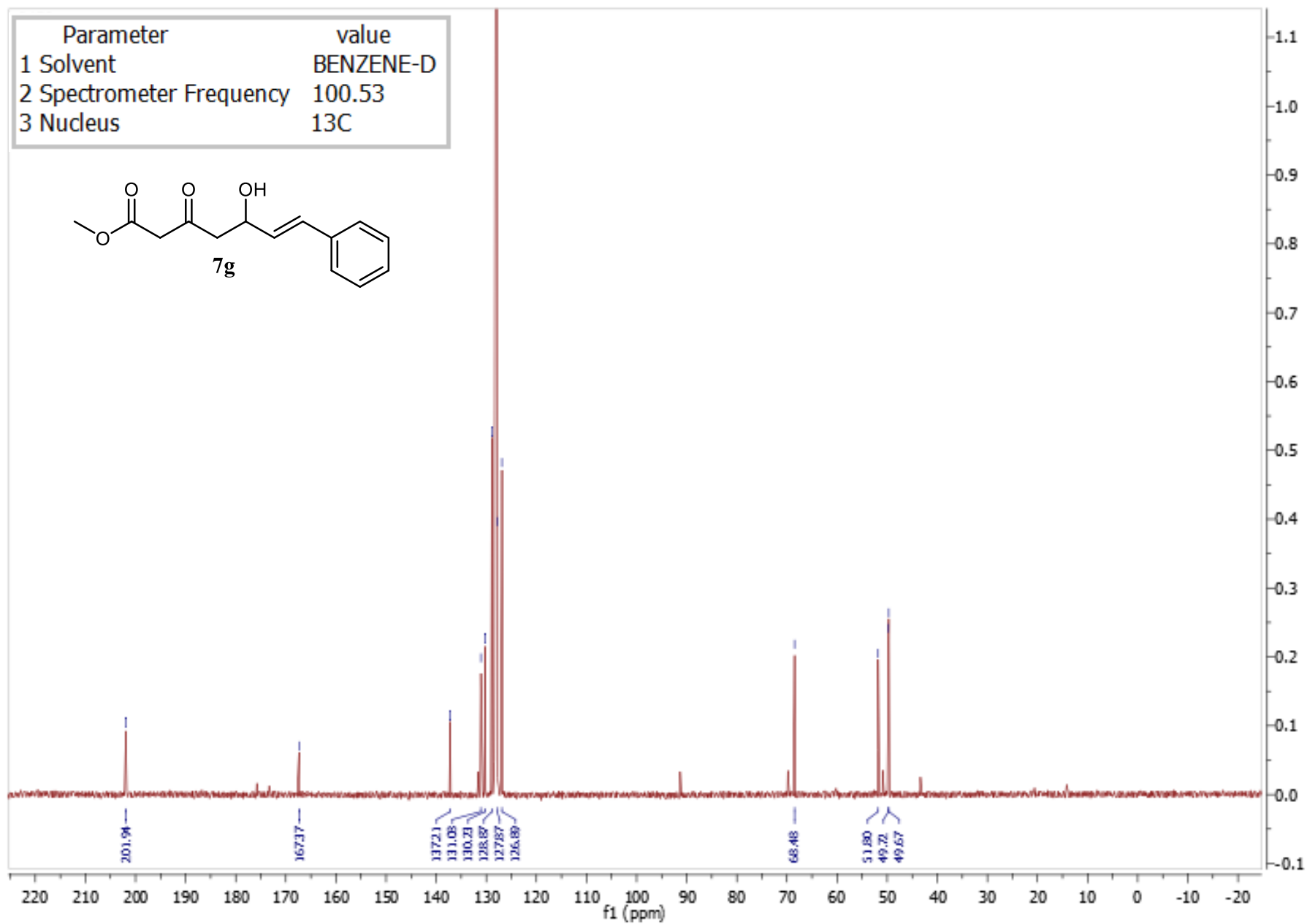
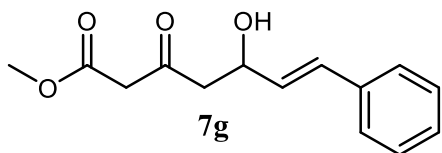
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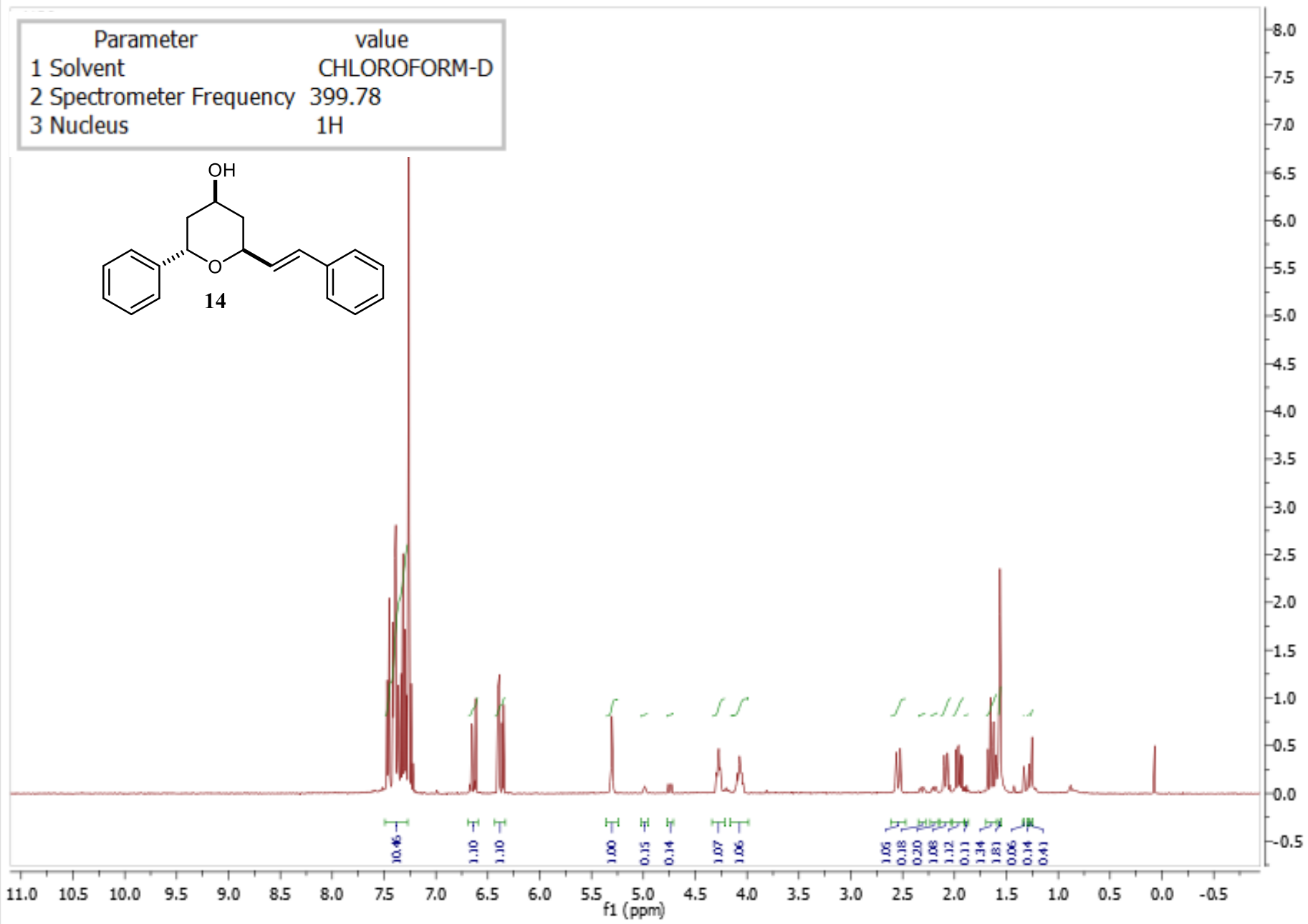
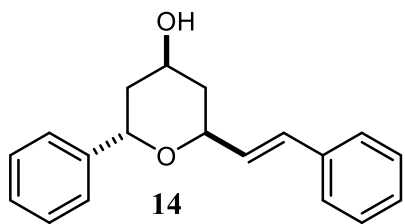
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| 2 Spectrometer Frequency | 399.78 |
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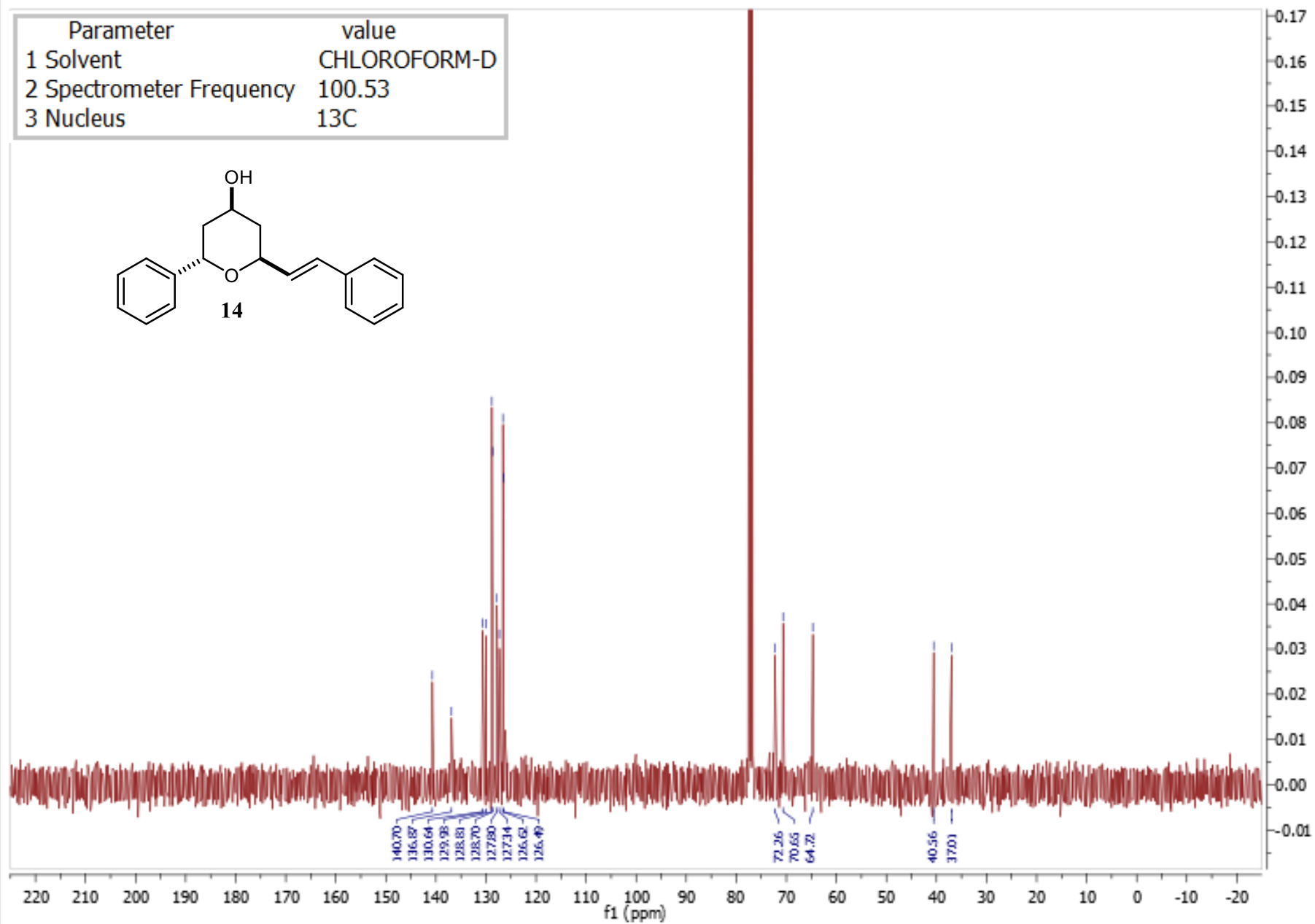
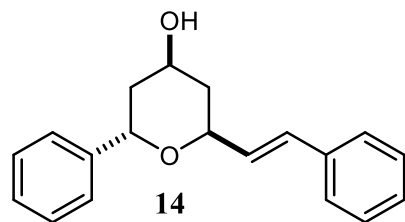
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| 2 Spectrometer Frequency | 100.53 |
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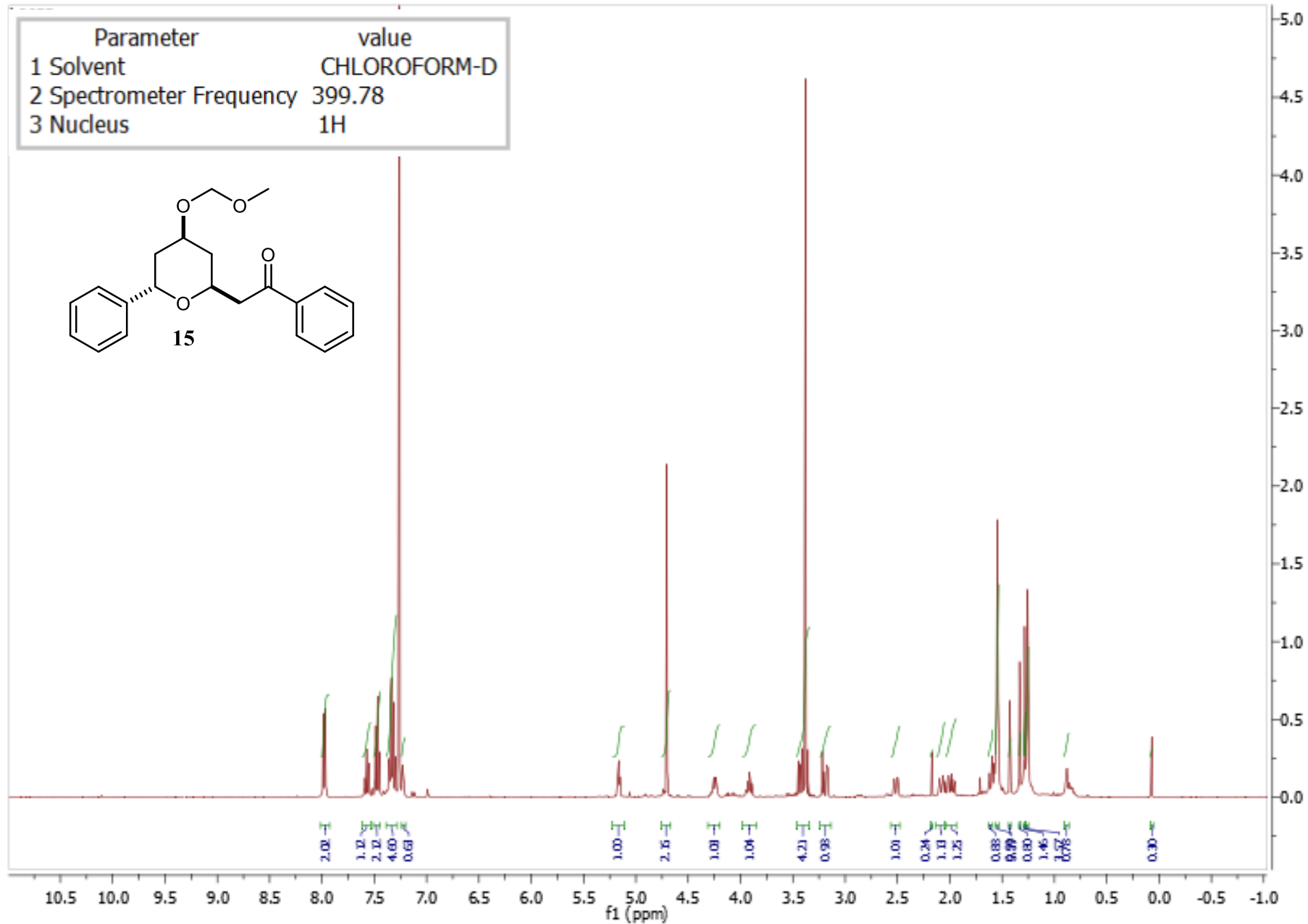
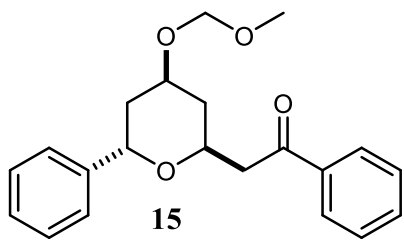
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| 2 Spectrometer Frequency | 399.78 |
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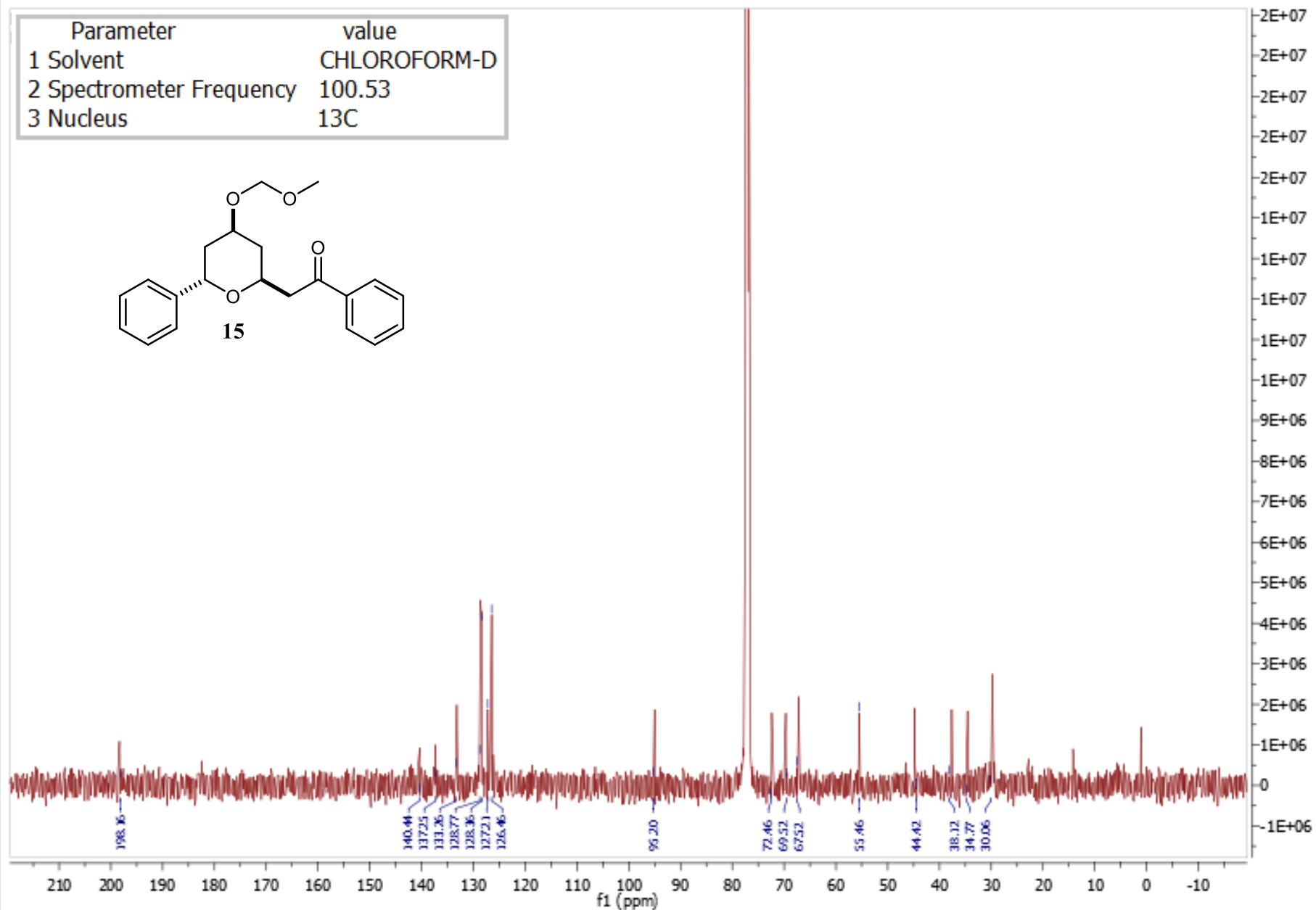
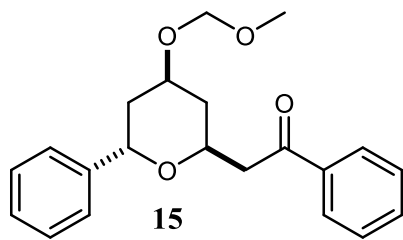
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| 3 Nucleus | ¹³ C |



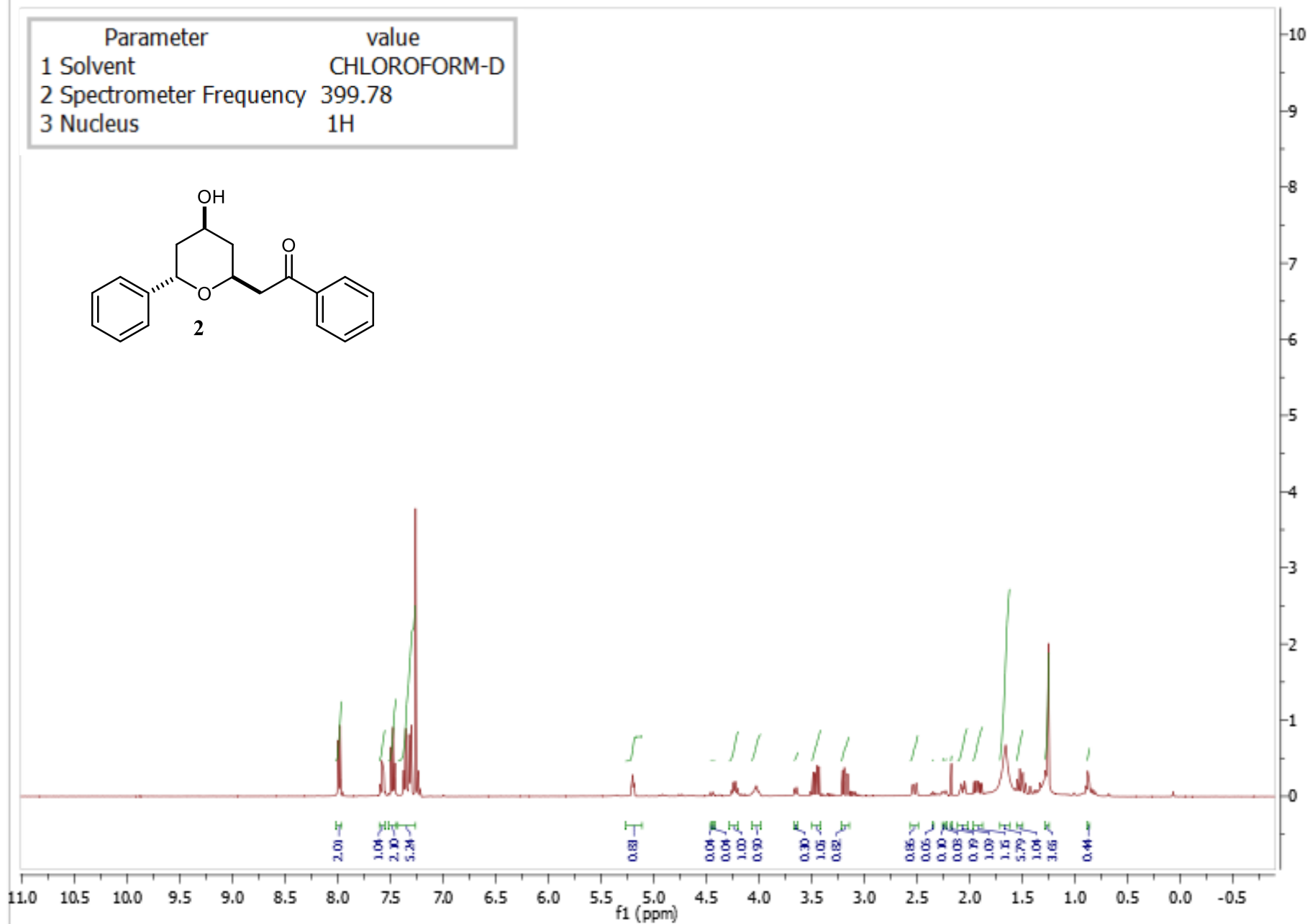
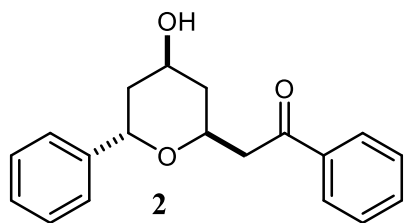
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| 1 Solvent | CHLOROFORM-D |
| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | ¹ H |



| Parameter | value |
|--------------------------|-----------------|
| 1 Solvent | CHLOROFORM-D |
| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | ¹³ C |



| Parameter | value |
|--------------------------|--------------|
| 1 Solvent | CHLOROFORM-D |
| 2 Spectrometer Frequency | 399.78 |
| 3 Nucleus | 1H |



| Parameter | value |
|--------------------------|-----------------|
| 1 Solvent | CHLOROFORM-D |
| 2 Spectrometer Frequency | 100.53 |
| 3 Nucleus | ¹³ C |

