

## **Supplementary Materials**

# **Selenium Dihalides Click Chemistry: Highly Efficient Stereoselective Addition to Alkynes and Evaluation of Glutathione Peroxidase-Like Activity of Bis(*E*-2-halovinyl) Selenides**

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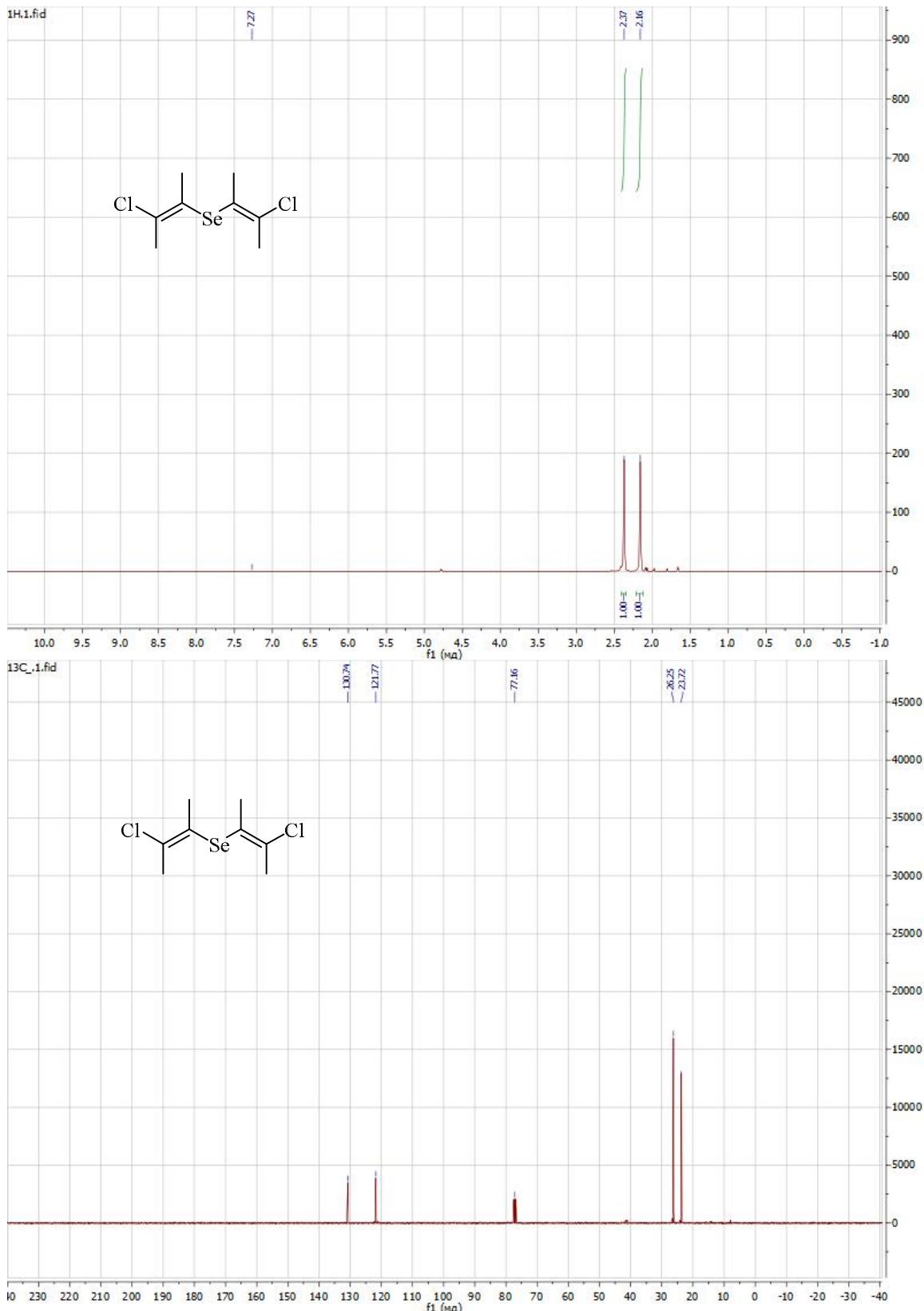
## **Table of Contents**

<b>Experimental (General Information)</b>	<b>2</b>
<b>Examples of <sup>1</sup>H and <sup>13</sup>C-NMR Spectra</b>	<b>3-17</b>

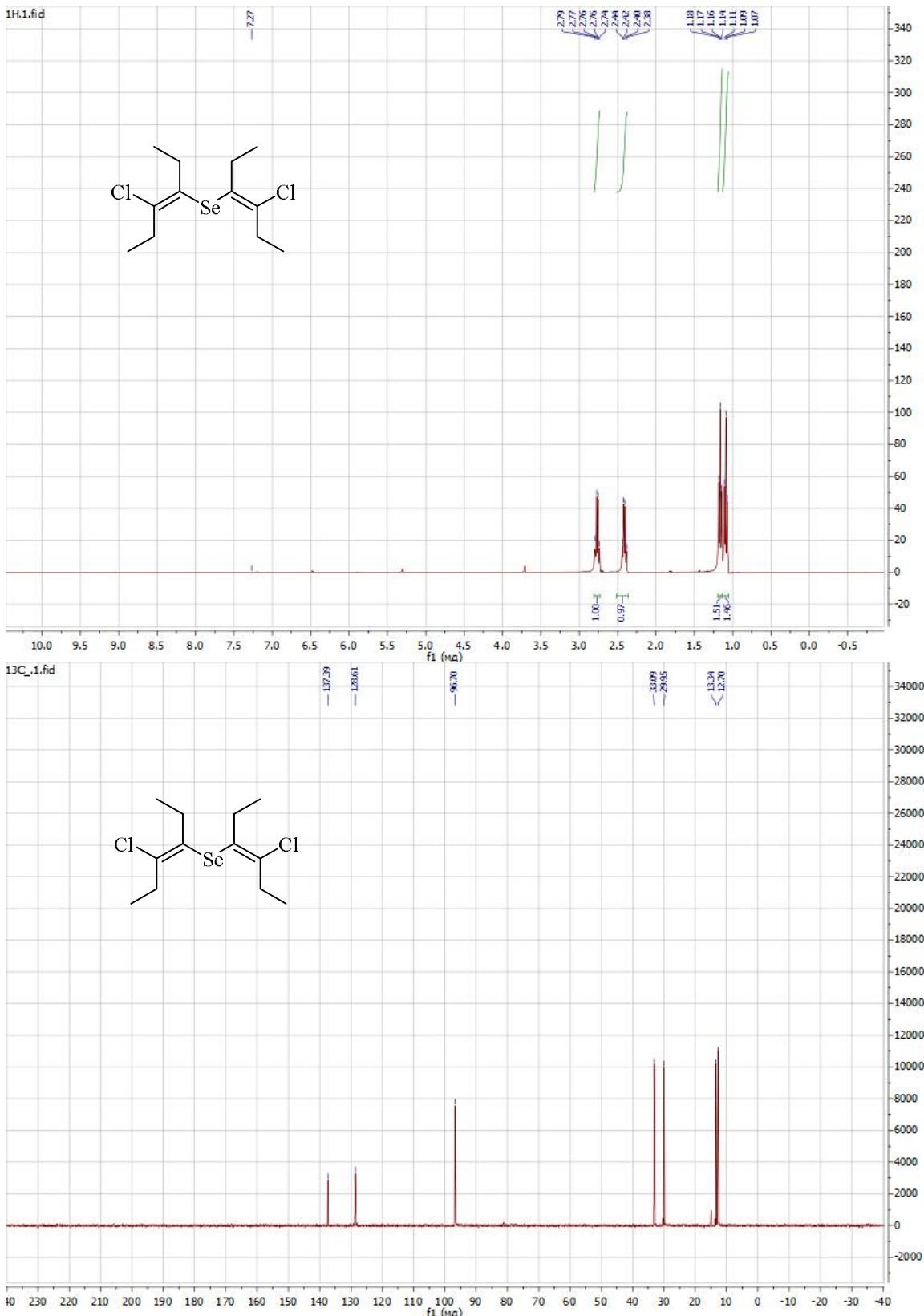
## **Experimental (General Information)**

<sup>1</sup>H (400.1 MHz) and <sup>13</sup>C (100.6 MHz) NMR spectra were recorded on a Bruker DPX-400 spectrometer (Bruker BioSpin GmbH, Rheinstetten, Germany) in CDCl<sub>3</sub> and referred to the residual solvent peaks of CDCl<sub>3</sub> ( $\delta$  = 7.27 and 77.16 ppm in <sup>1</sup>H- and <sup>13</sup>C-NMR, respectively).

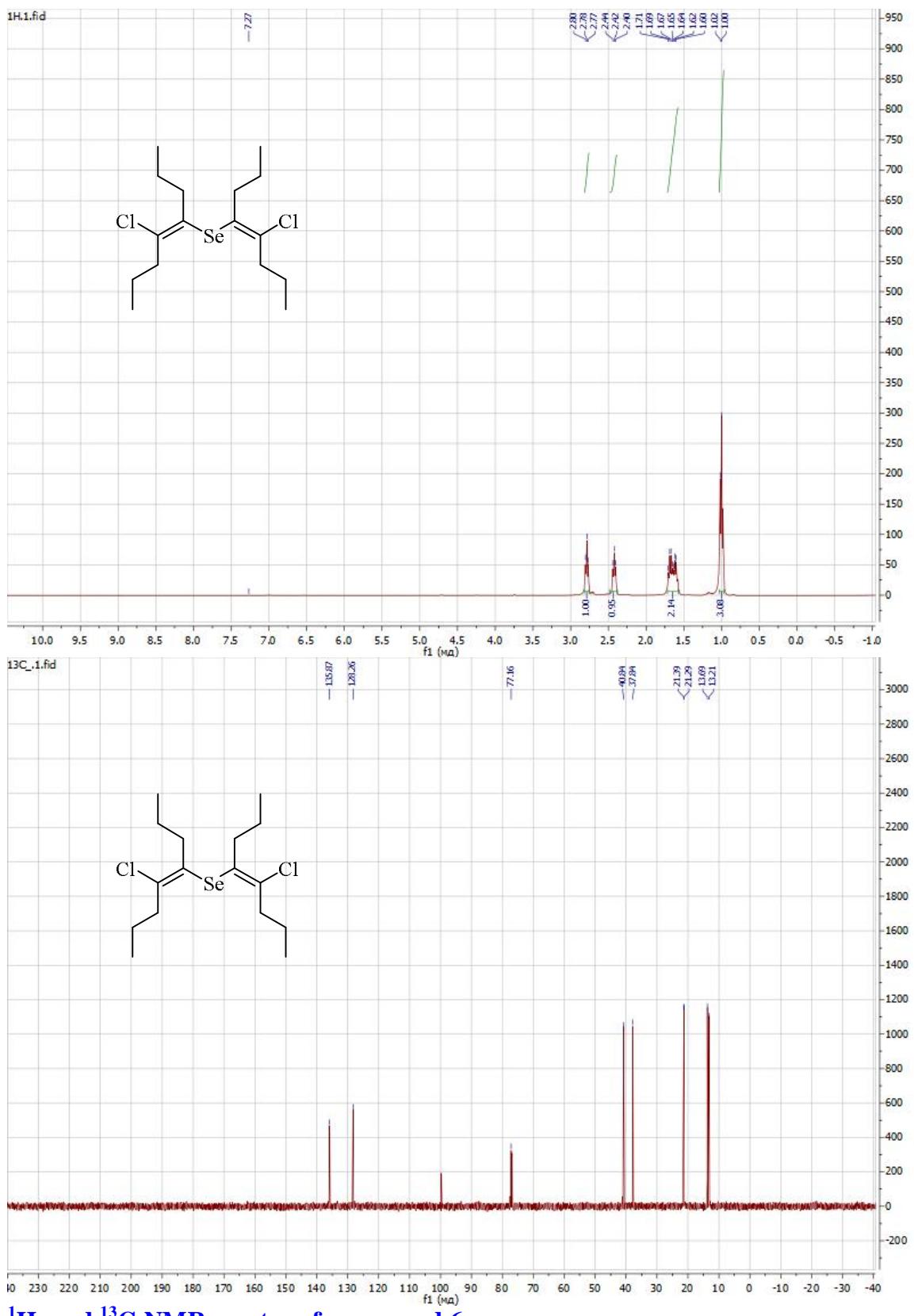
## Examples of $^1\text{H}$ and $^{13}\text{C}$ -NMR Spectra



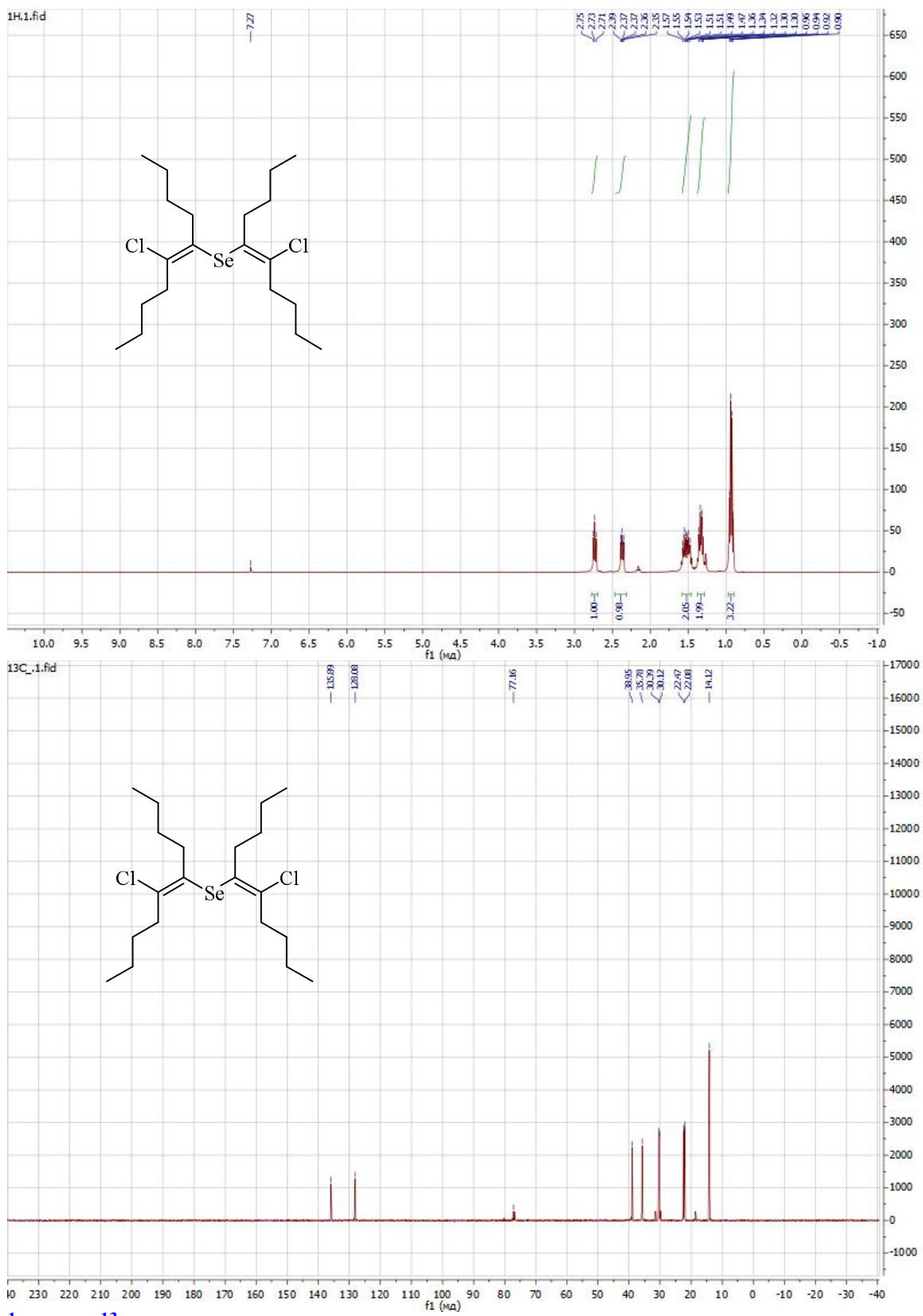
$^1\text{H}$ - and  $^{13}\text{C}$ -NMR spectra of compound 4

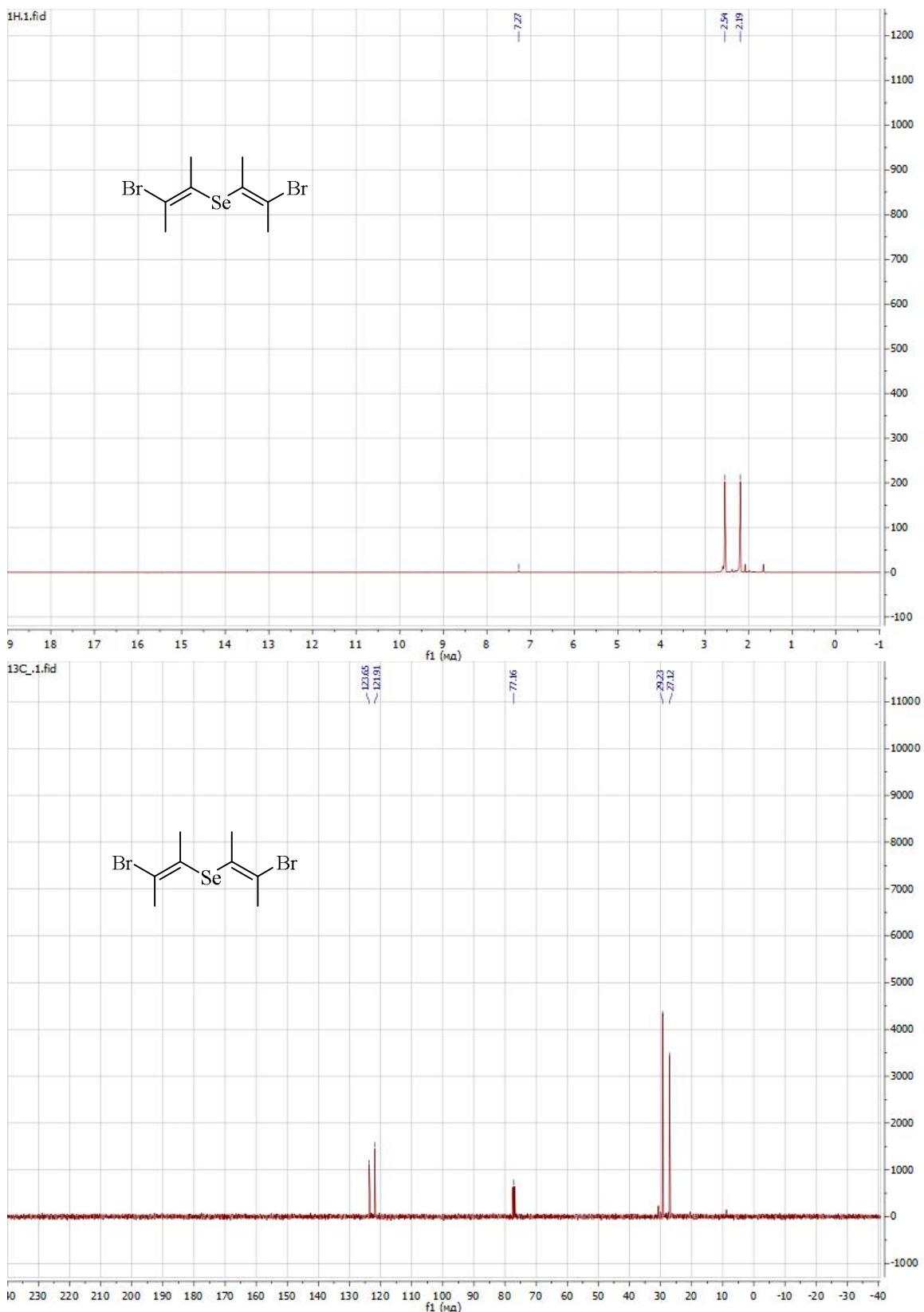


**<sup>1</sup>H- and <sup>13</sup>C-NMR spectra of compound 5**

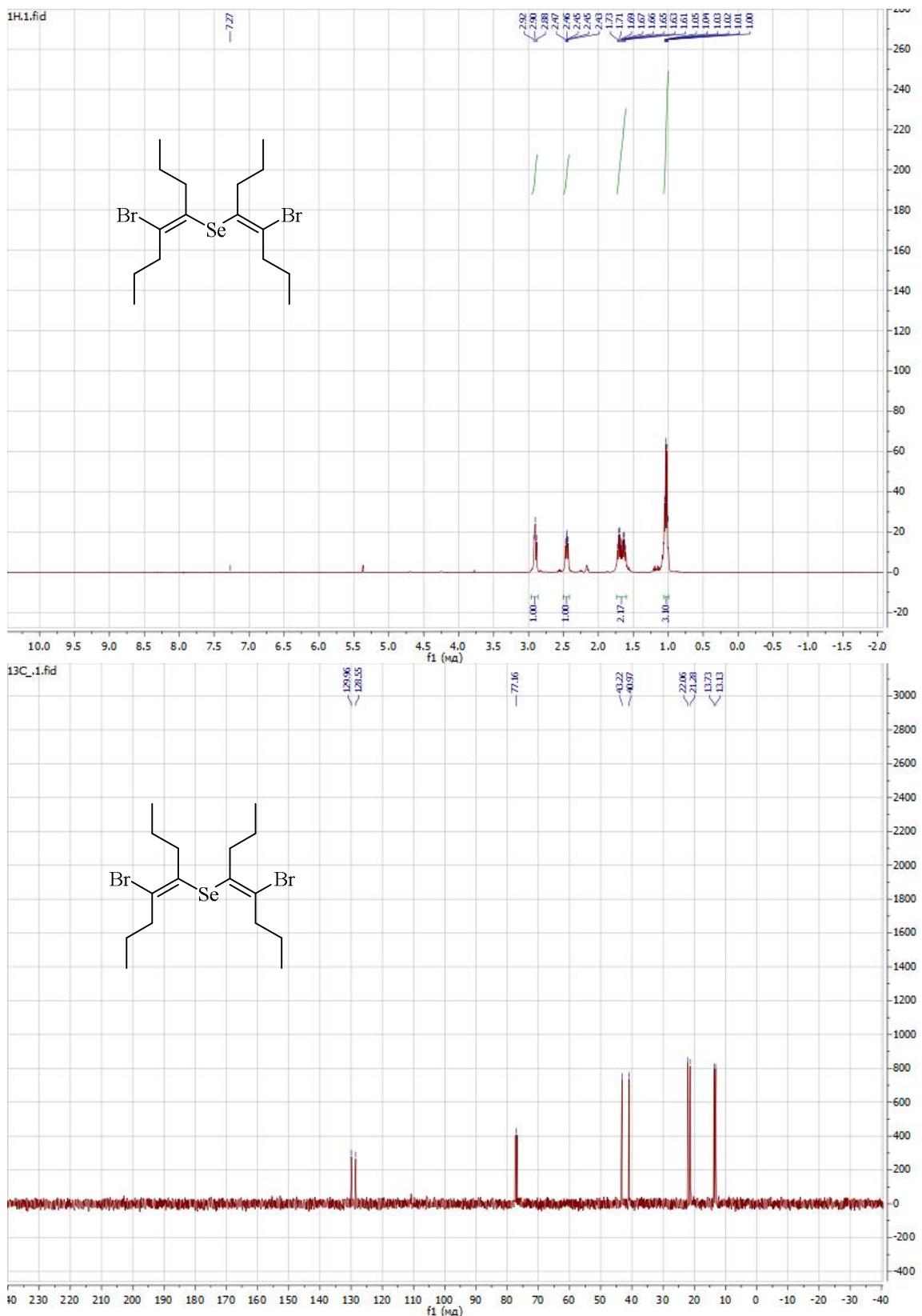


**<sup>1</sup>H- and <sup>13</sup>C-NMR spectra of compound 6**

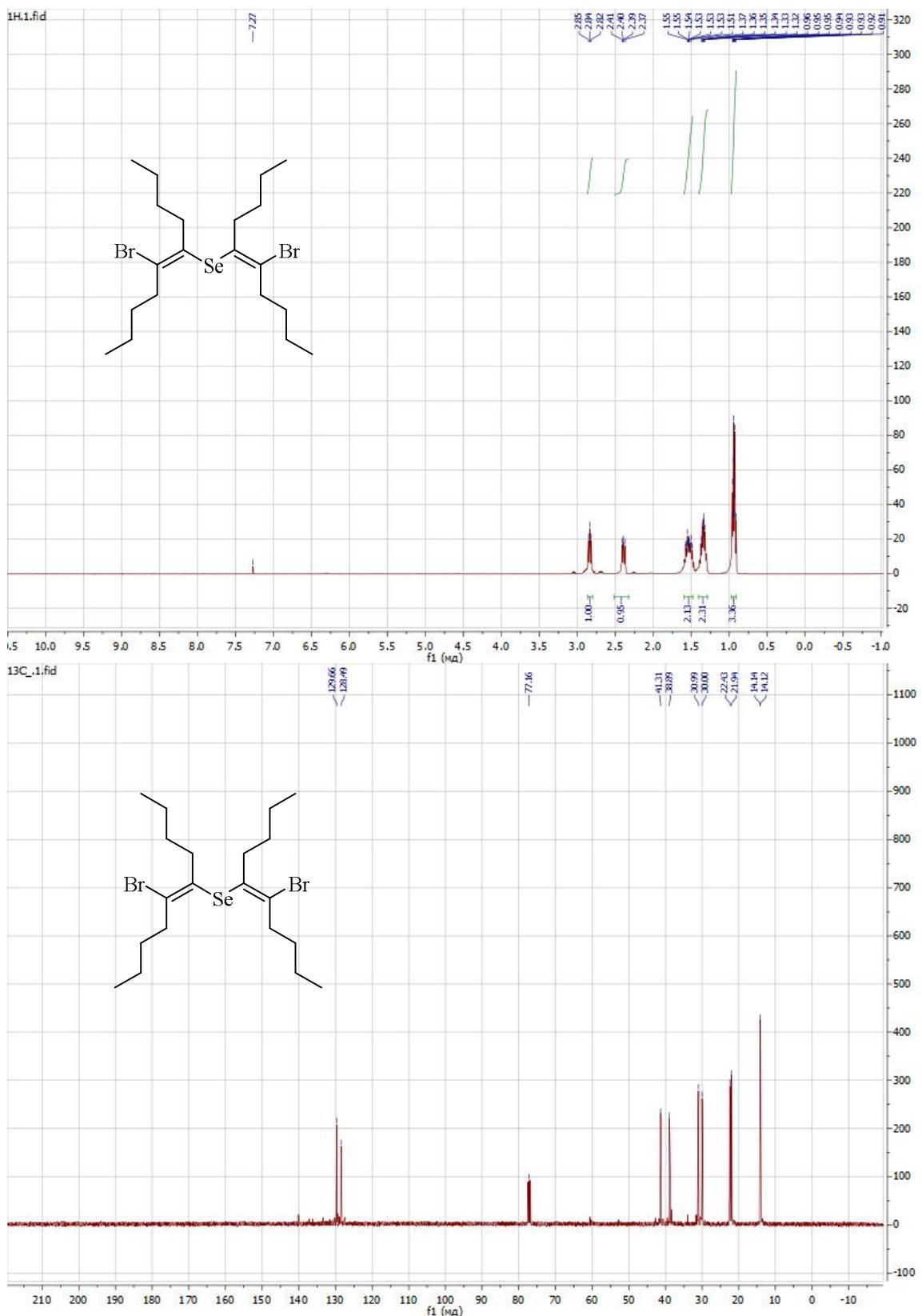




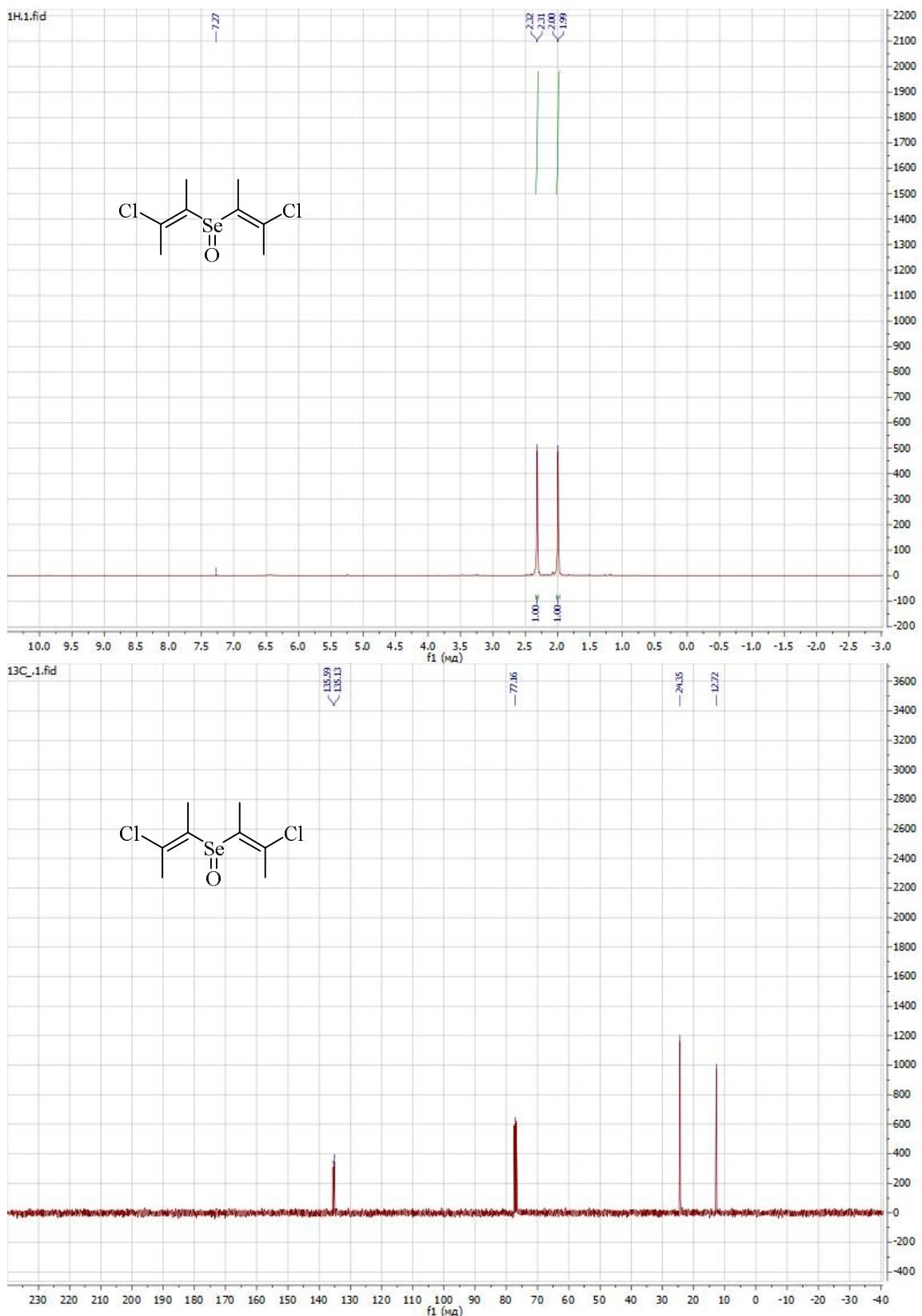
<sup>1</sup>H- and <sup>13</sup>C-NMR spectra of compound 8



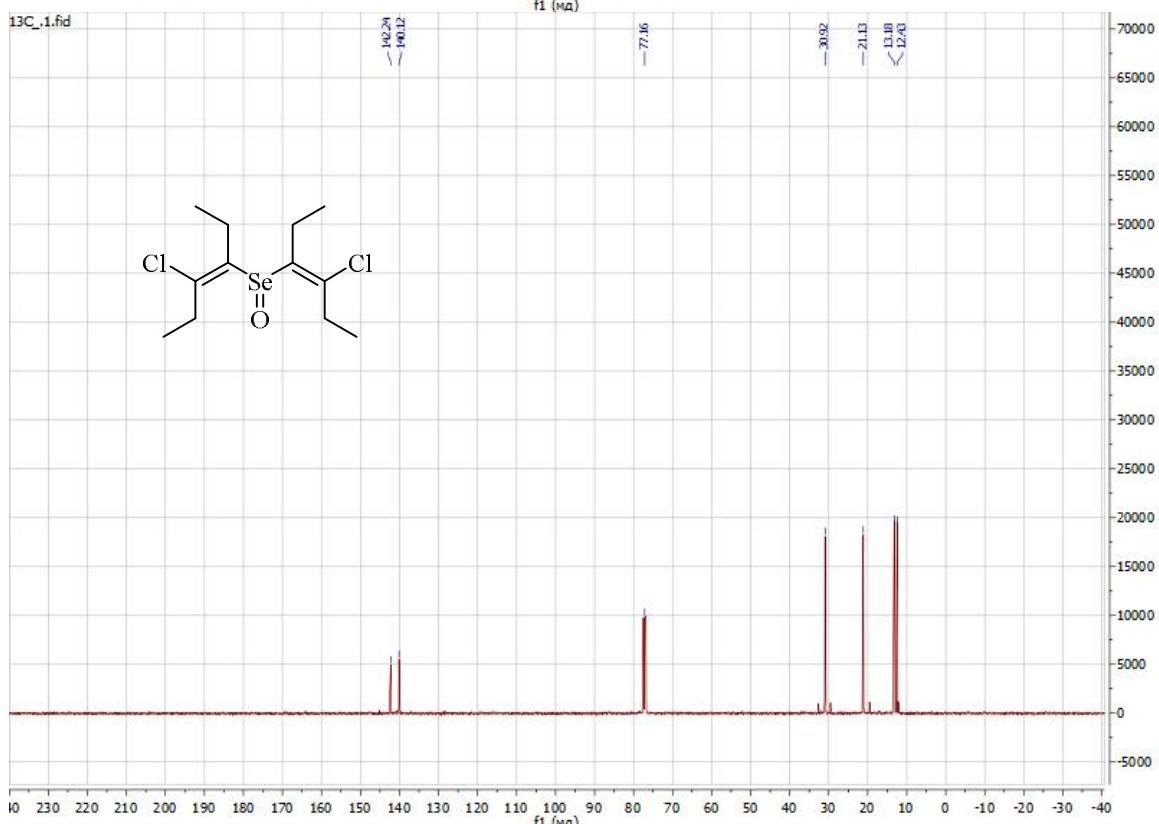
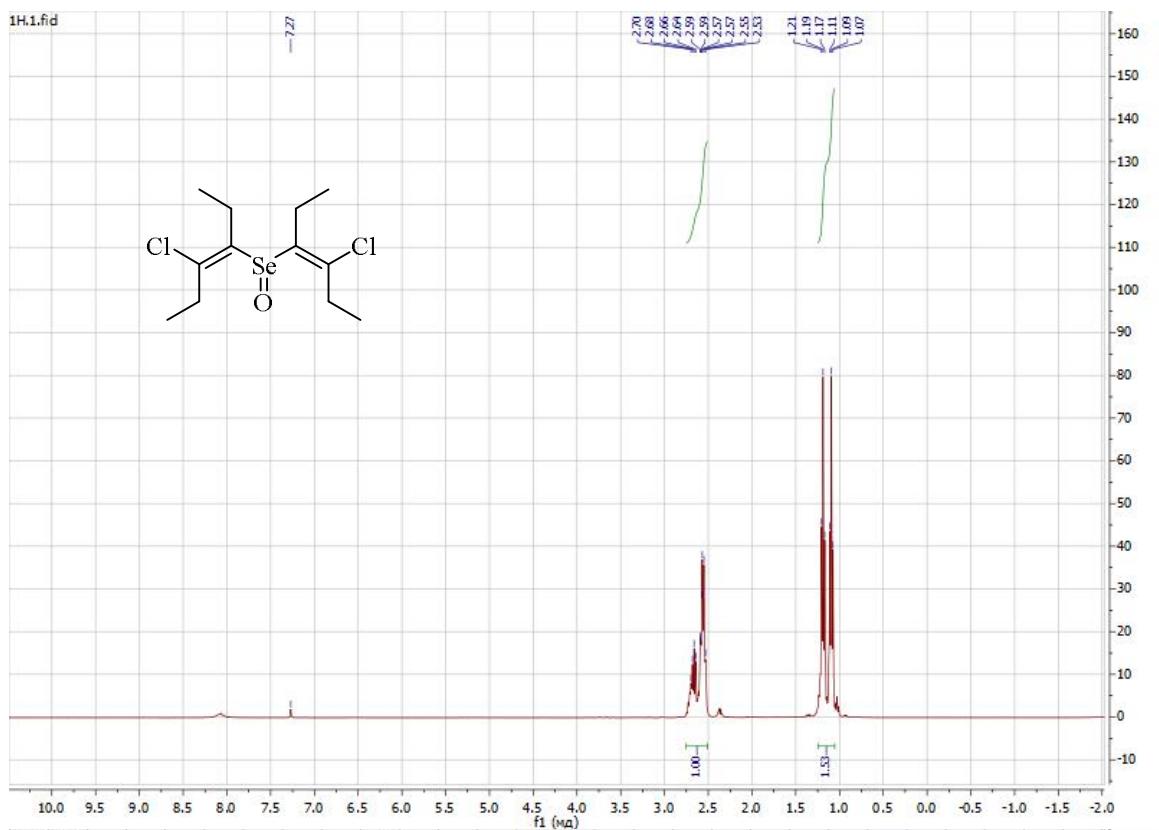
<sup>1</sup>H- and <sup>13</sup>C-NMR spectra of compound 10



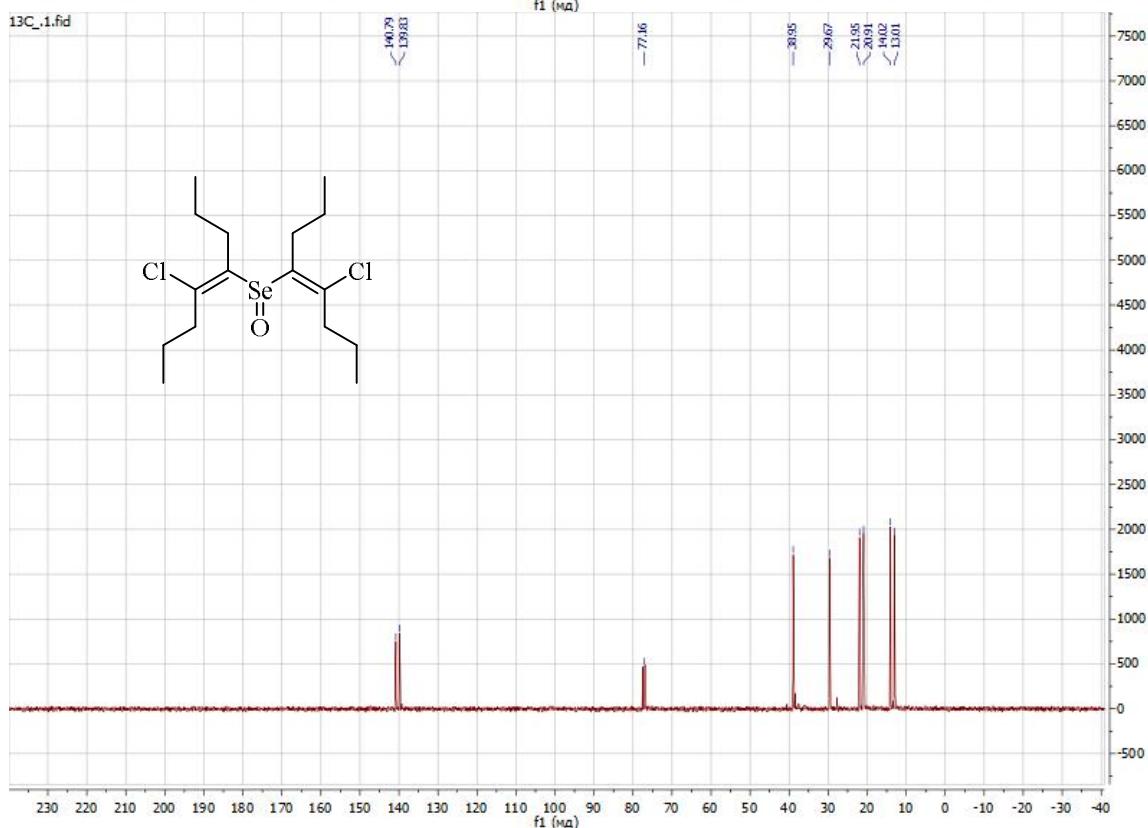
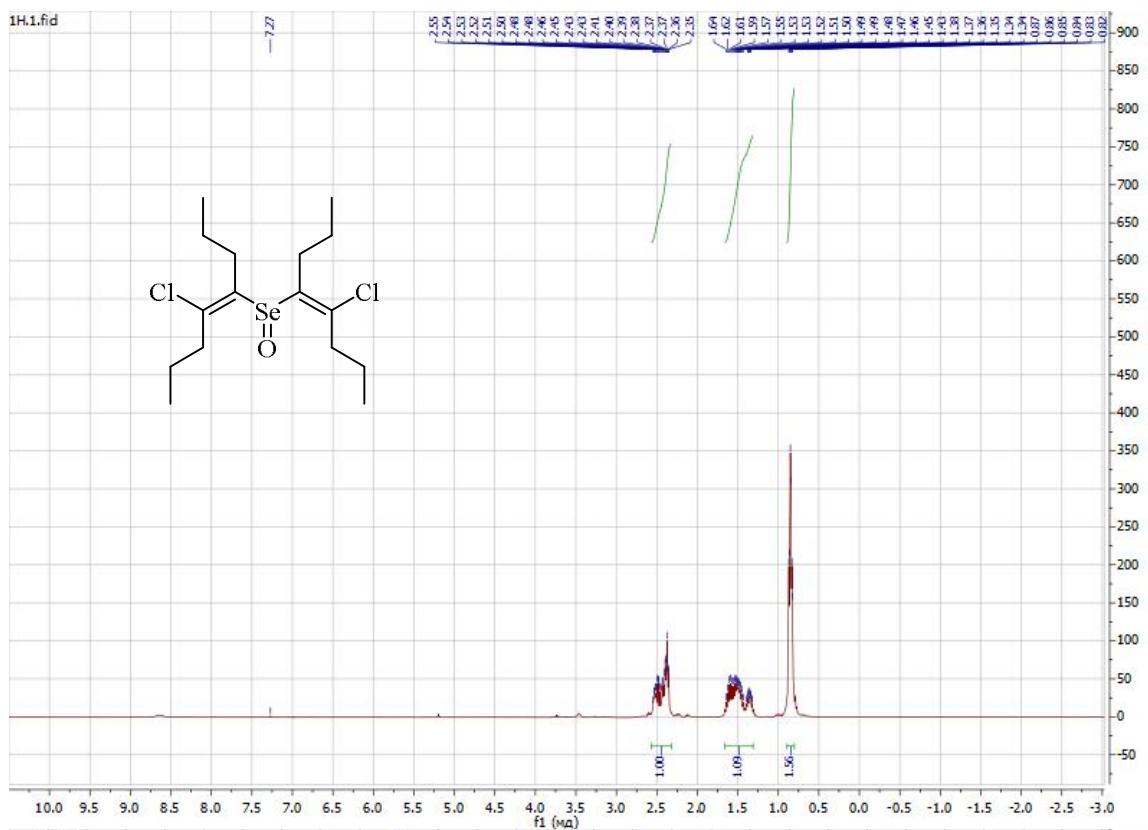
<sup>1</sup>H- and <sup>13</sup>C-NMR spectra of compound 11



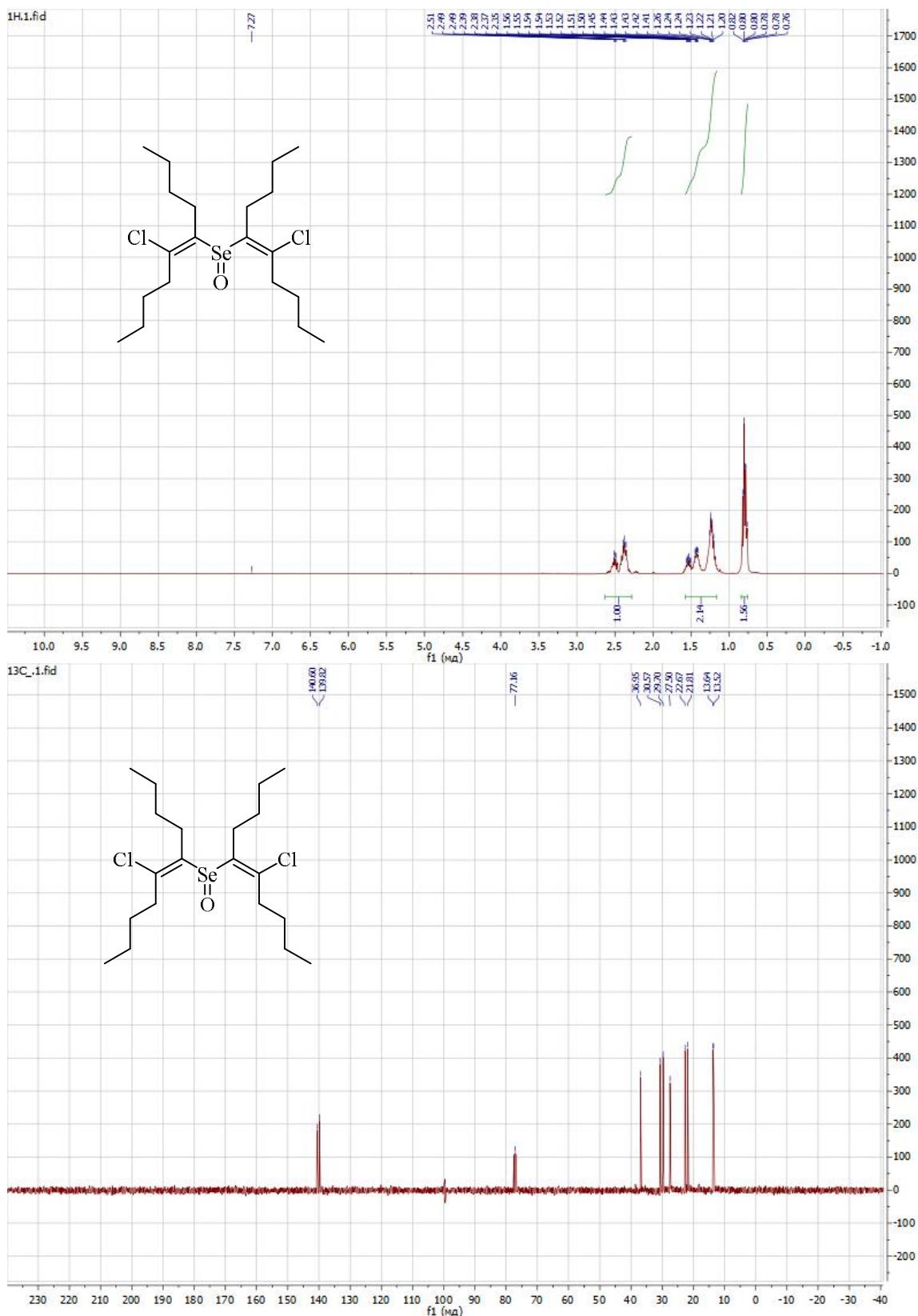
<sup>1</sup>H- and <sup>13</sup>C-NMR spectra of compound 12



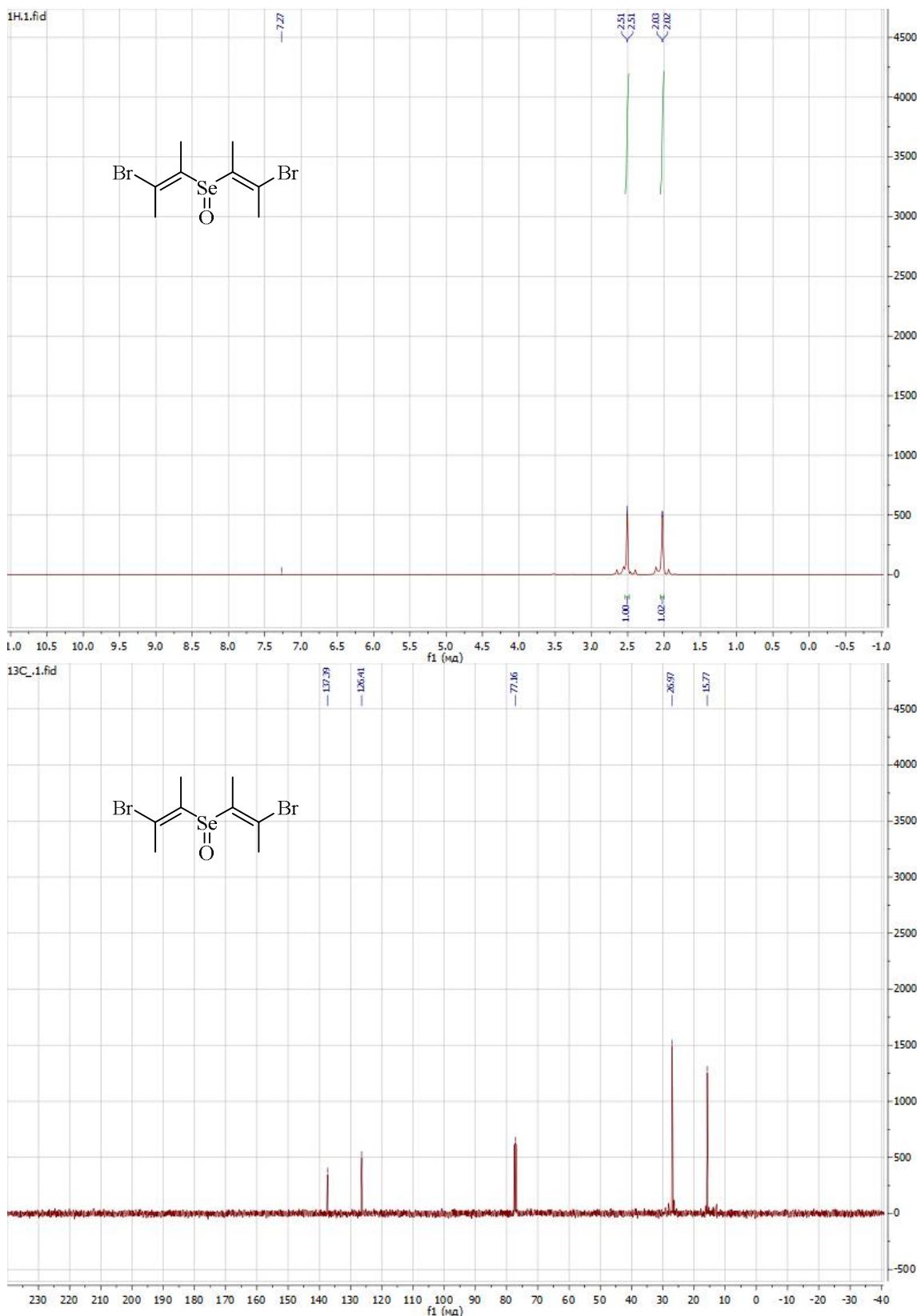
### <sup>1</sup>H- and <sup>13</sup>C-NMR spectra of compound 13



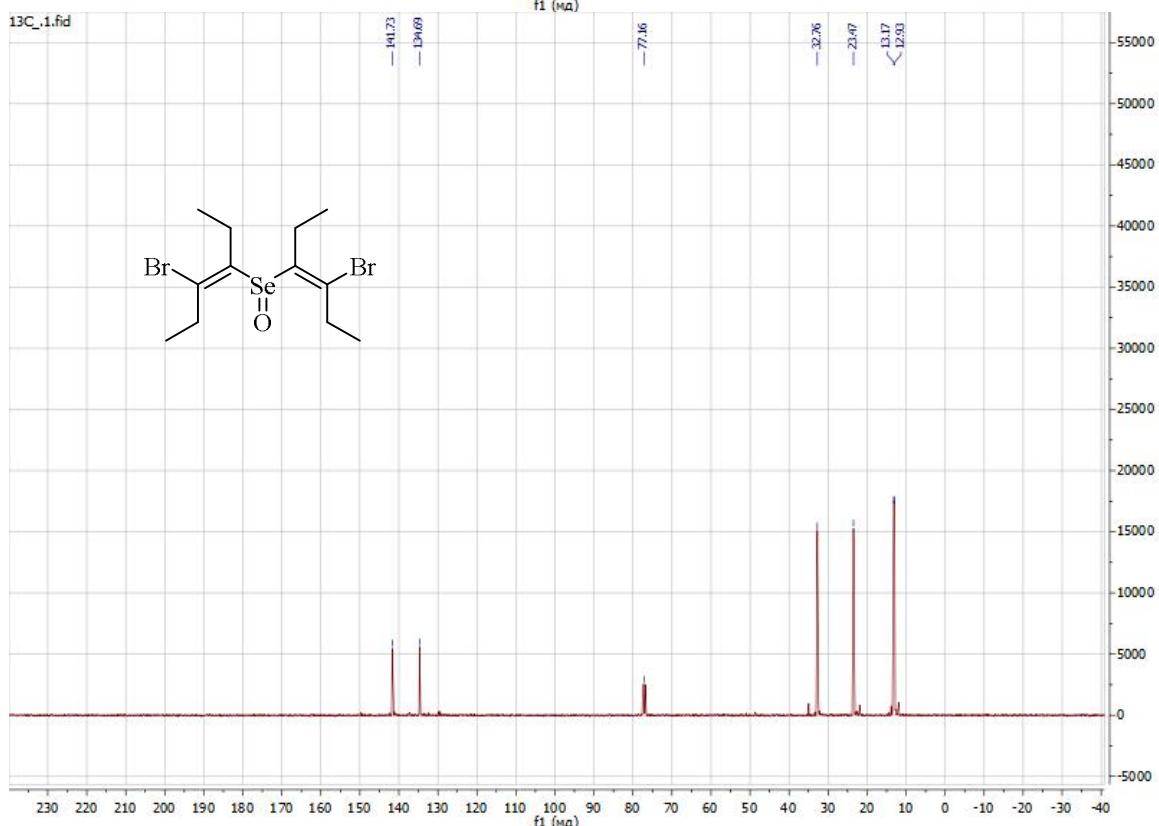
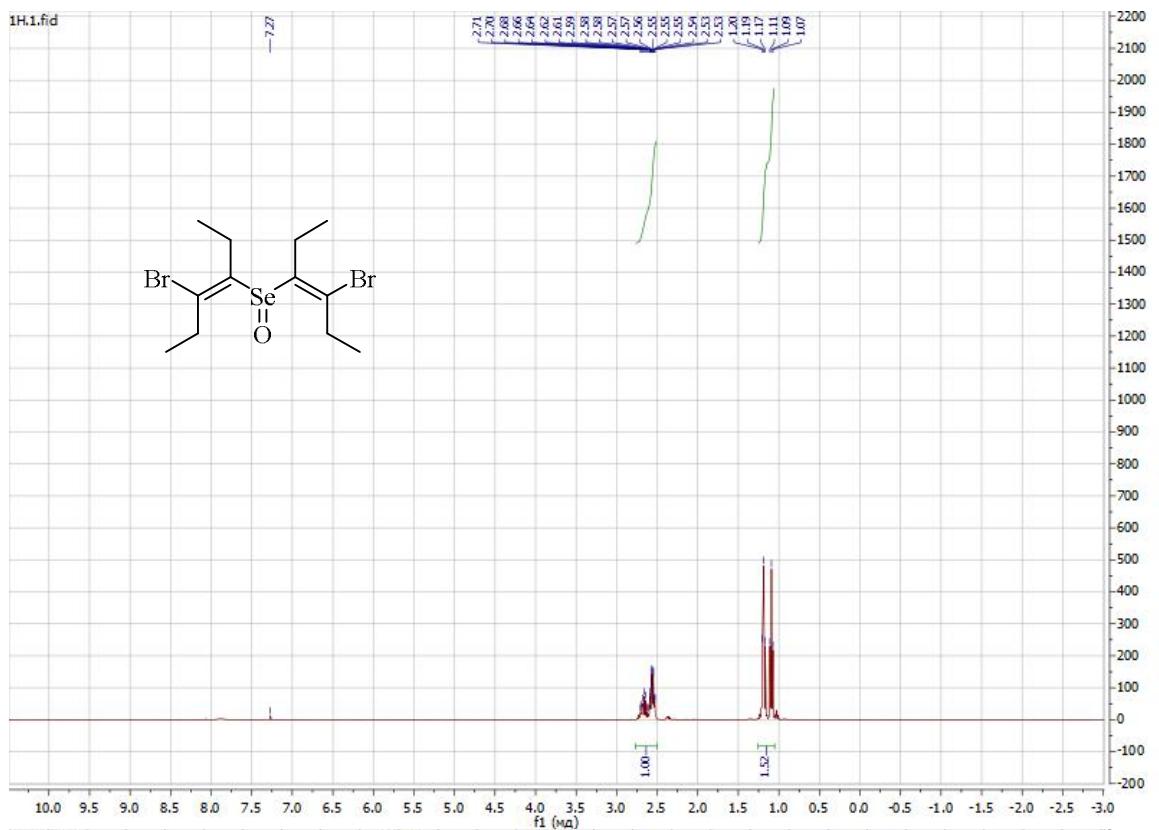
### <sup>1</sup>H- and <sup>13</sup>C-NMR spectra of compound 14



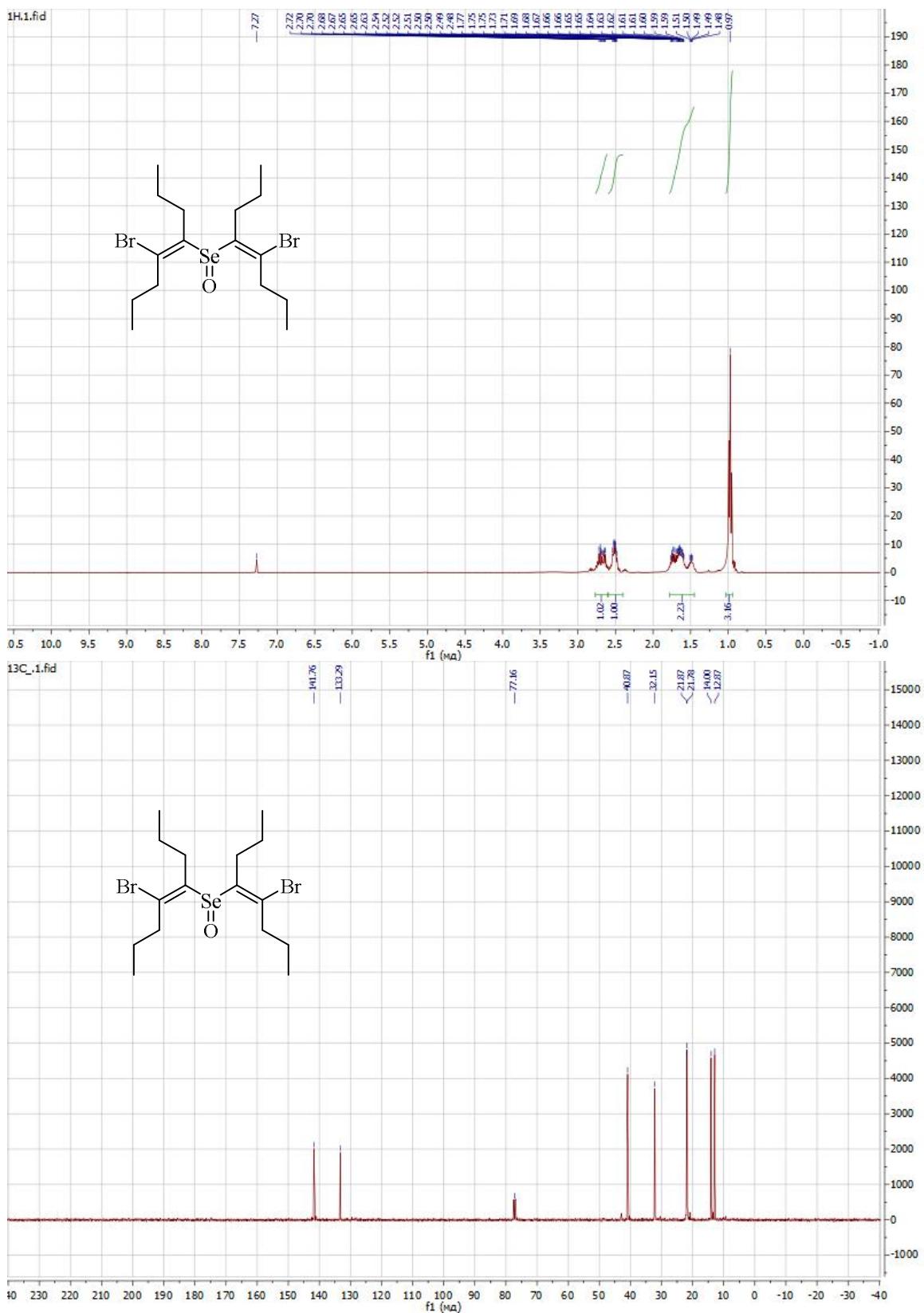
<sup>1</sup>H- and <sup>13</sup>C-NMR spectra of compound 15



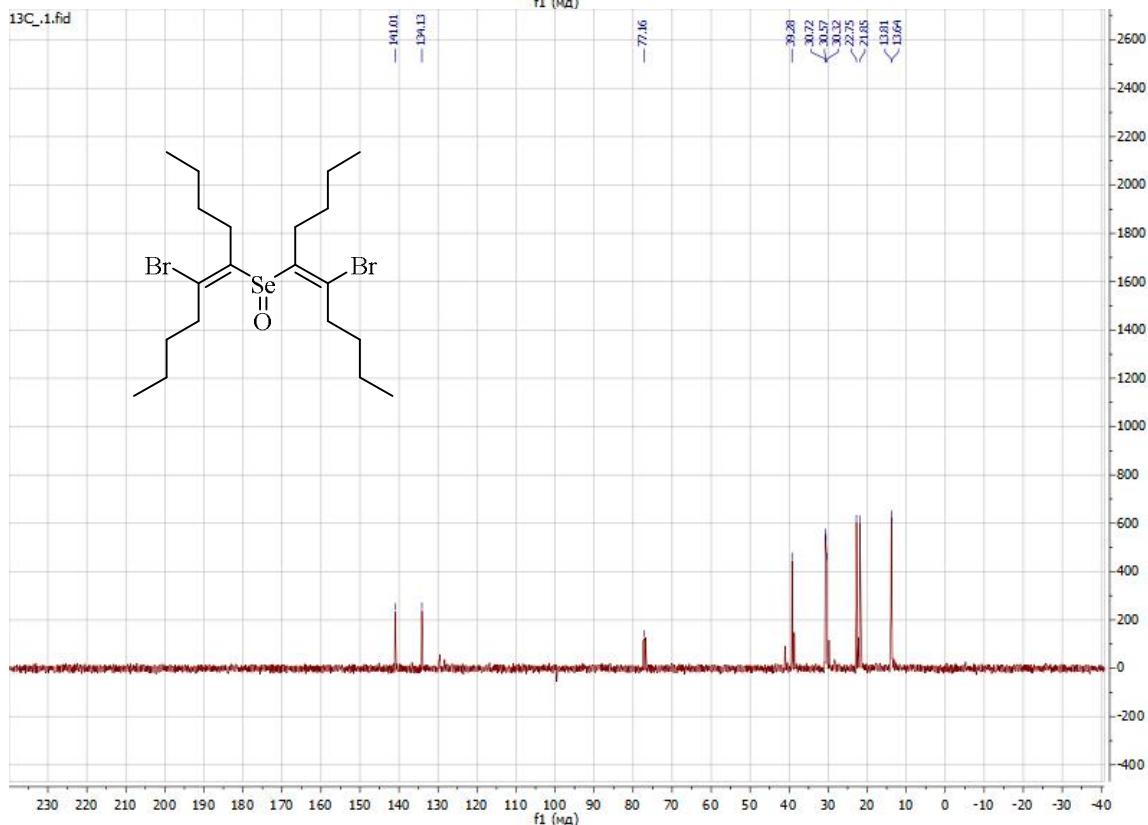
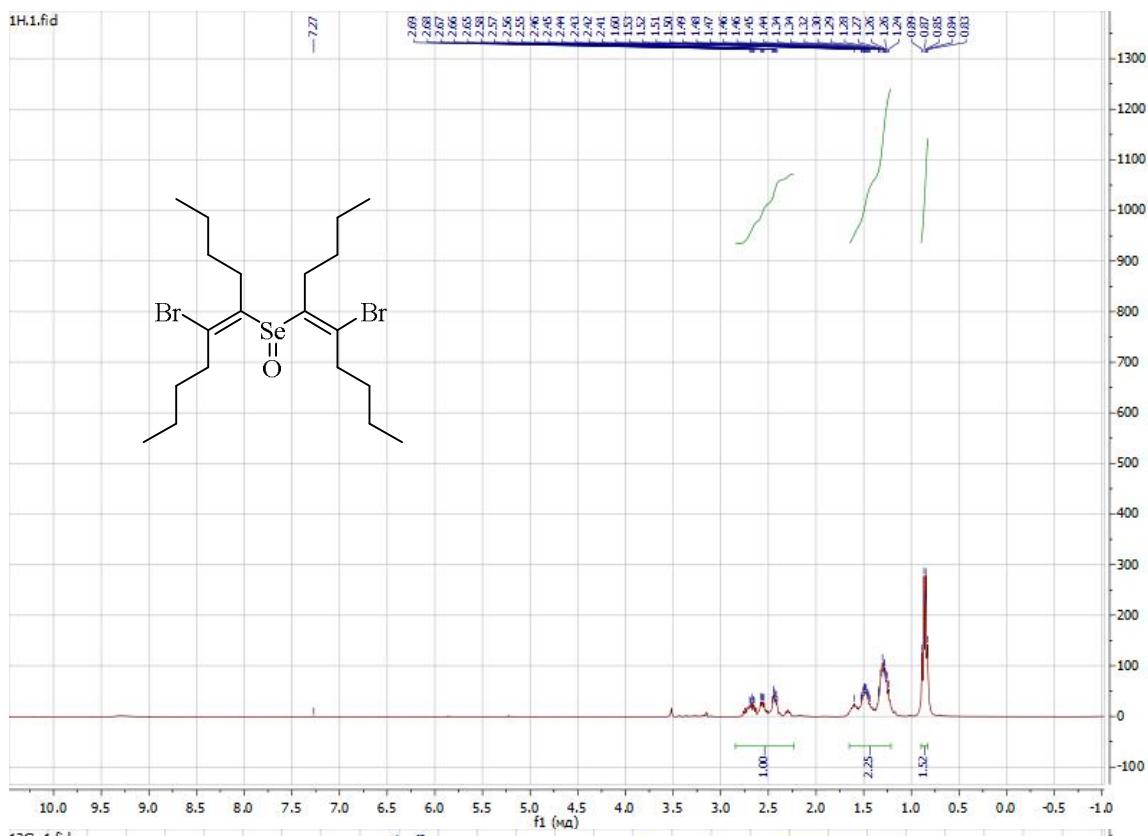
<sup>1</sup>H- and <sup>13</sup>C-NMR spectra of compound 16



## <sup>1</sup>H- and <sup>13</sup>C-NMR spectra of compound 17



<sup>1</sup>H- and <sup>13</sup>C-NMR spectra of compound 18



## <sup>1</sup>H- and <sup>13</sup>C-NMR spectra of compound 19