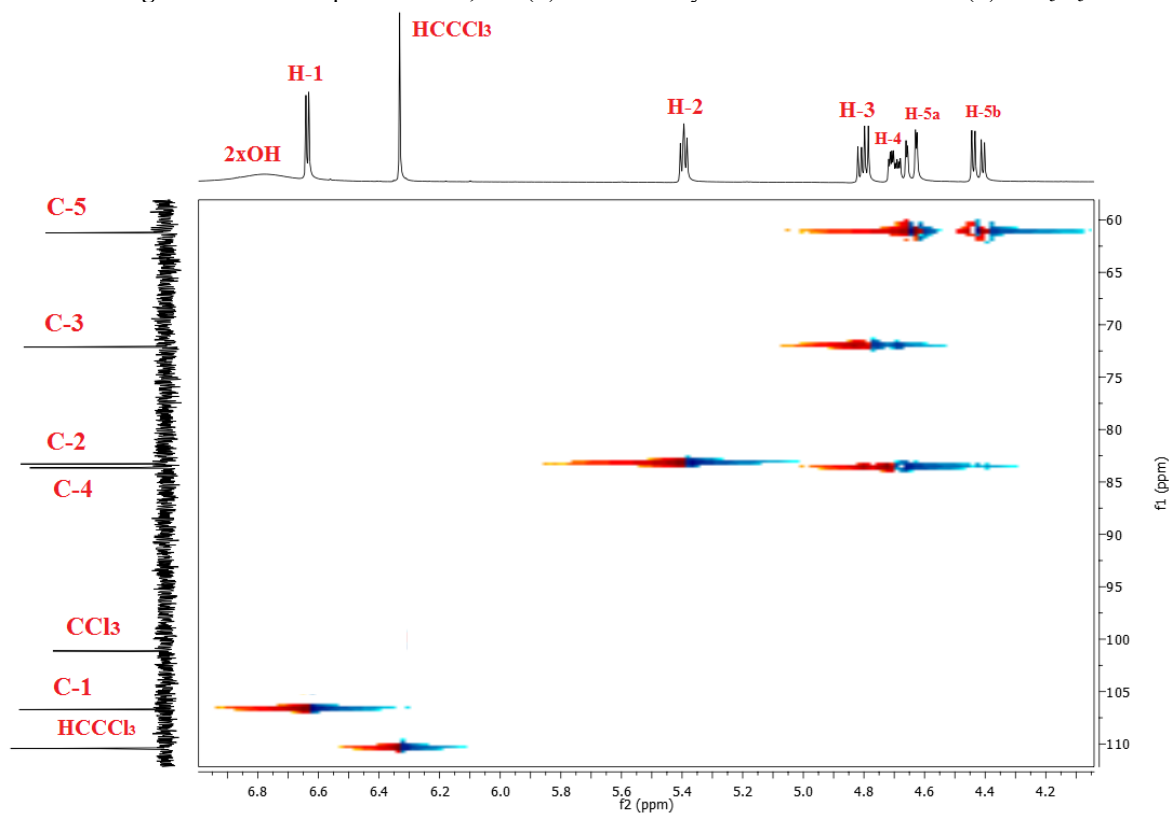
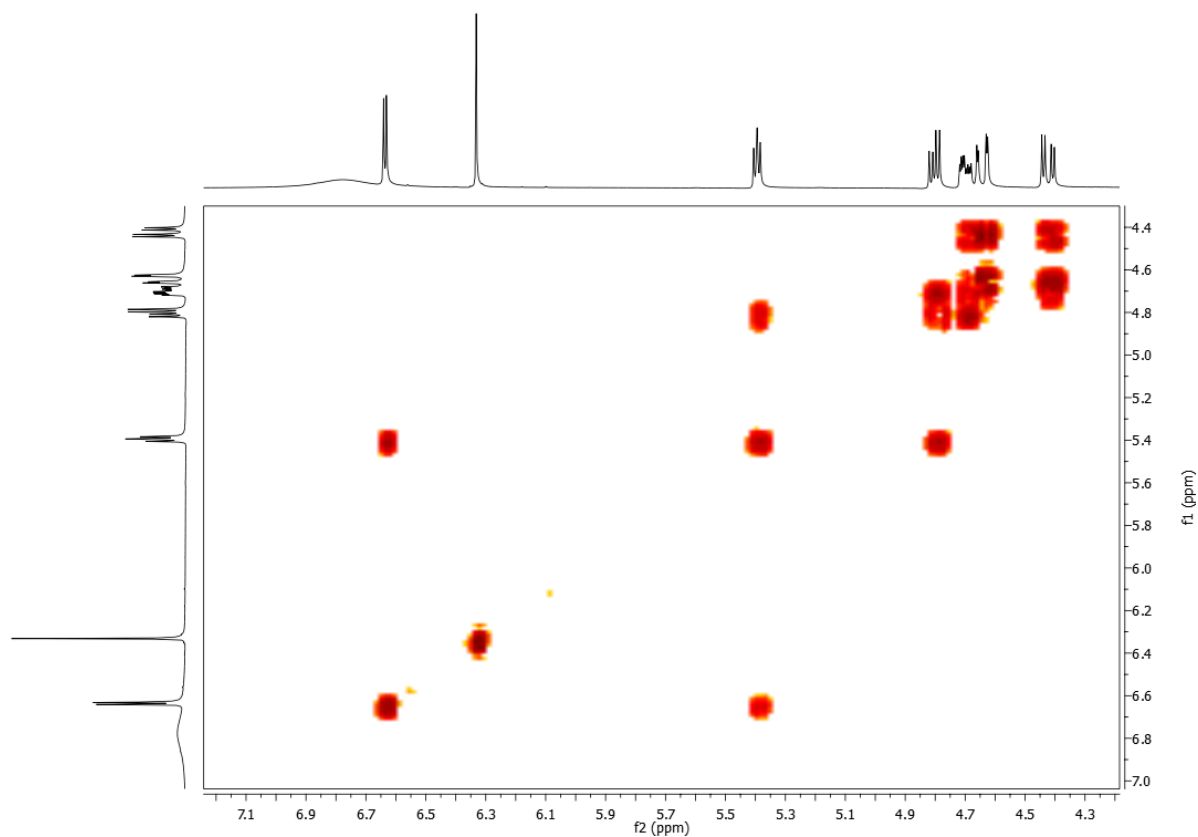


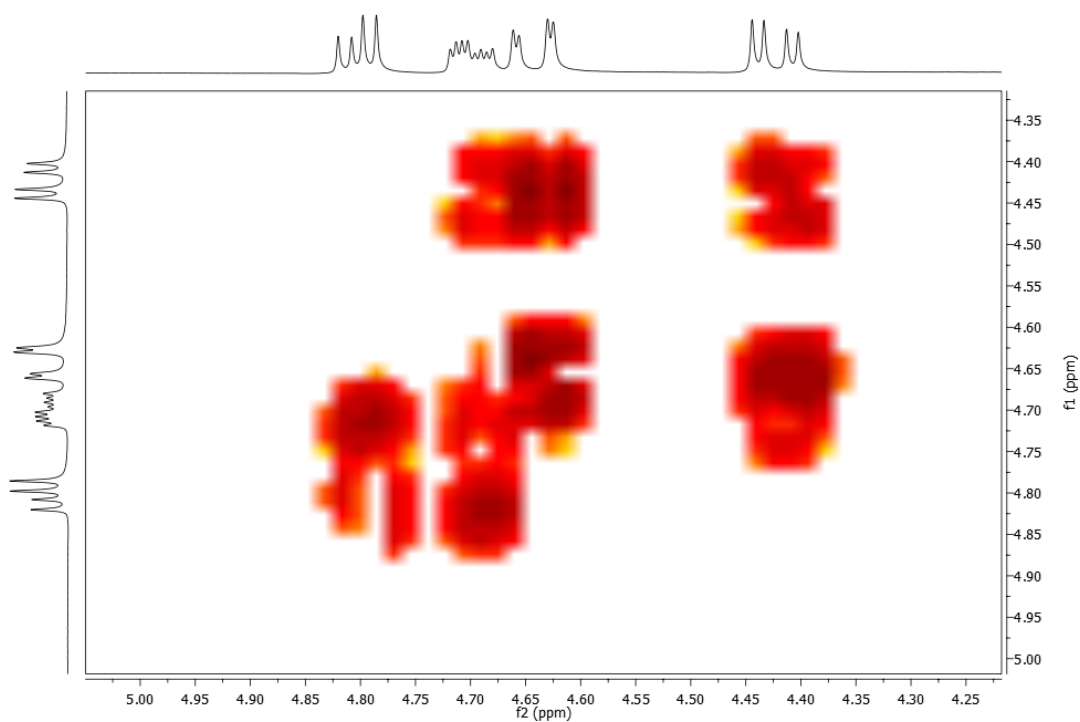
**Figure 1.** NOESY spectrum of 1,2-*O*-(*S*)-trichloroethylidene- $\alpha$ -D-ribofuranose (**1**) in  $C_5D_5N$



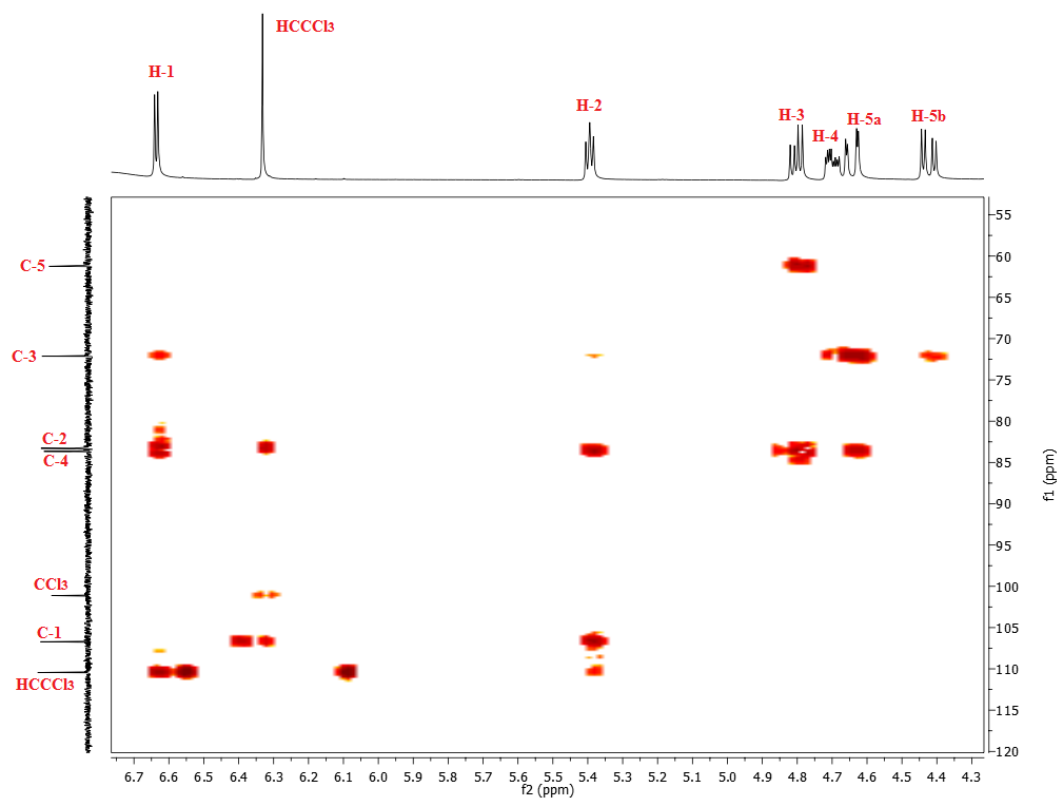
**Figure 2.** HMQC spectrum of 1,2-*O*-(*S*)-trichloroethylidene- $\alpha$ -D-ribofuranose (**1**) in  $C_5D_5N$



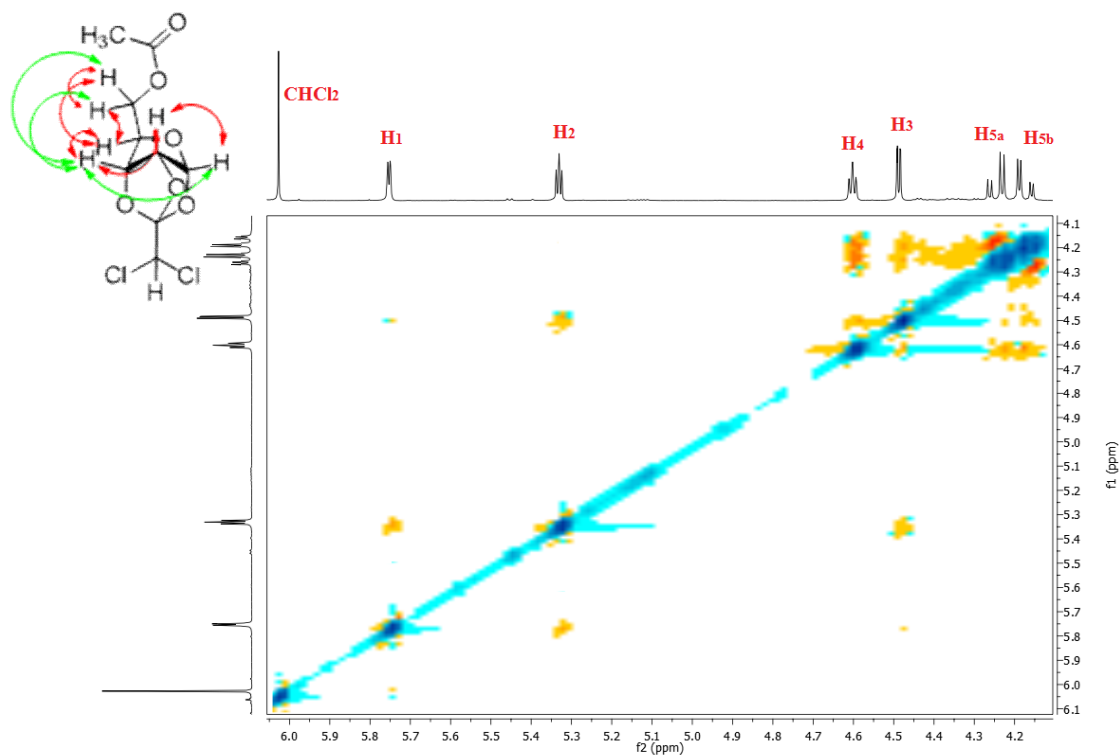
**Figure 3.** COSY spectrum of 1,2-*O*-(*S*)-trichloroethylidene- $\alpha$ -D-ribofuranose (**1**) in C<sub>5</sub>D<sub>5</sub>N



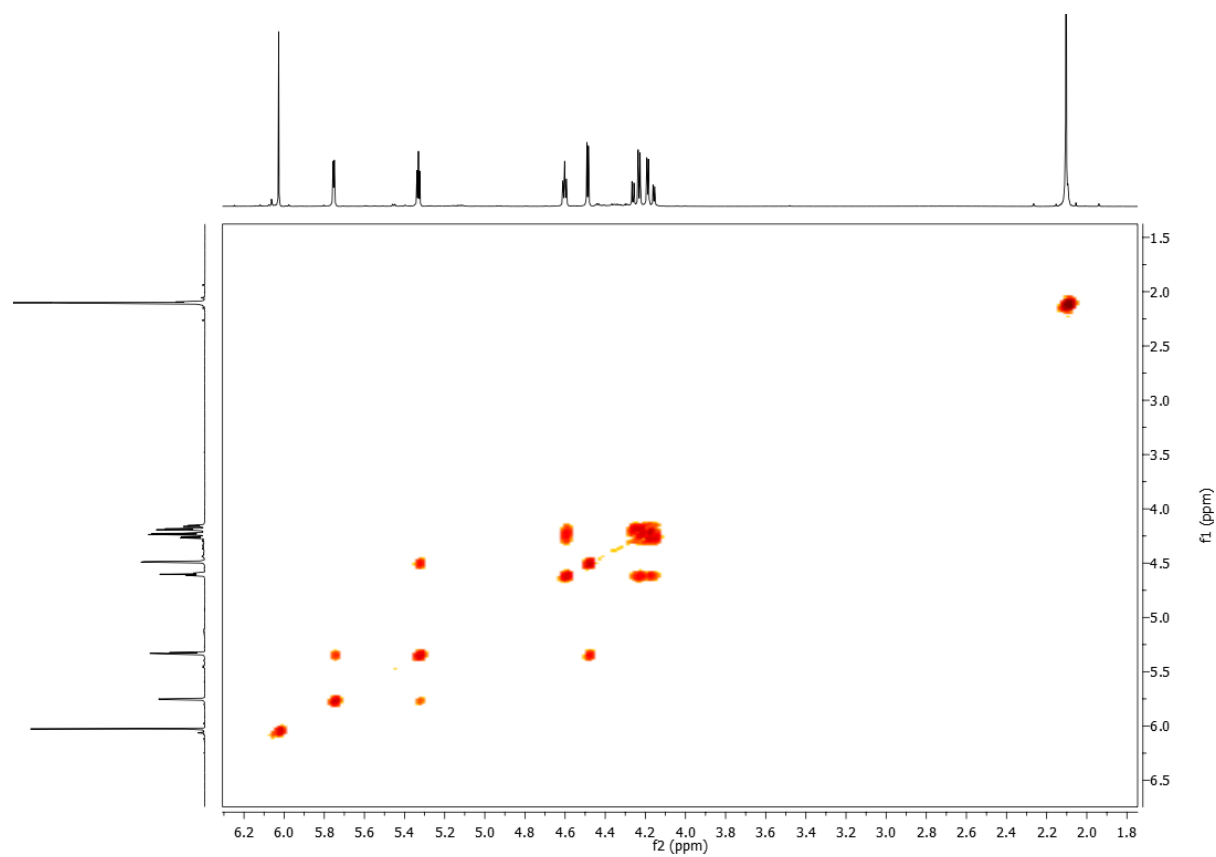
**Figure 4.** Expansion of COSY spectrum of 1,2-*O*-(*S*)-trichloroethylidene- $\alpha$ -D-ribofuranose (**1**) in C<sub>5</sub>D<sub>5</sub>N



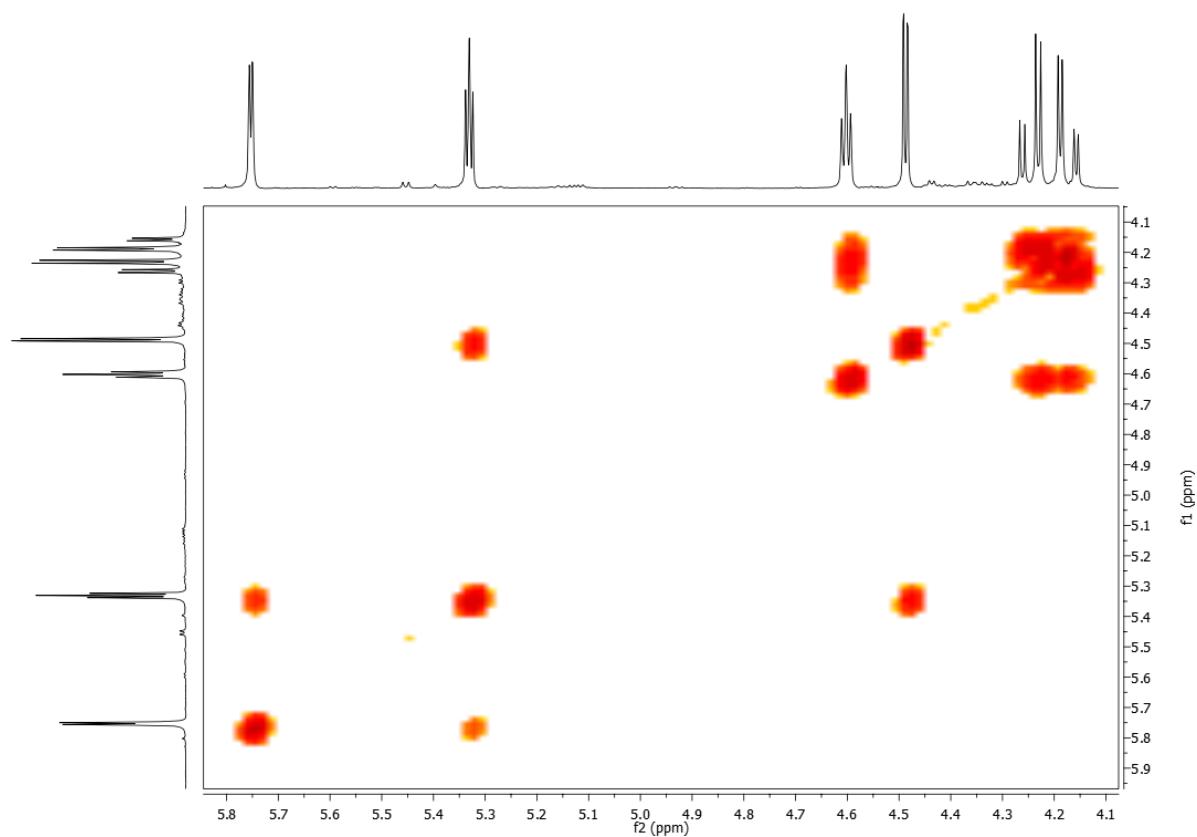
**Figure 5.** HMBC spectrum of 1,2-*O*-(*S*)-trichloroethylidene- $\alpha$ -D-ribofuranose (**1**) in C<sub>5</sub>D<sub>5</sub>N



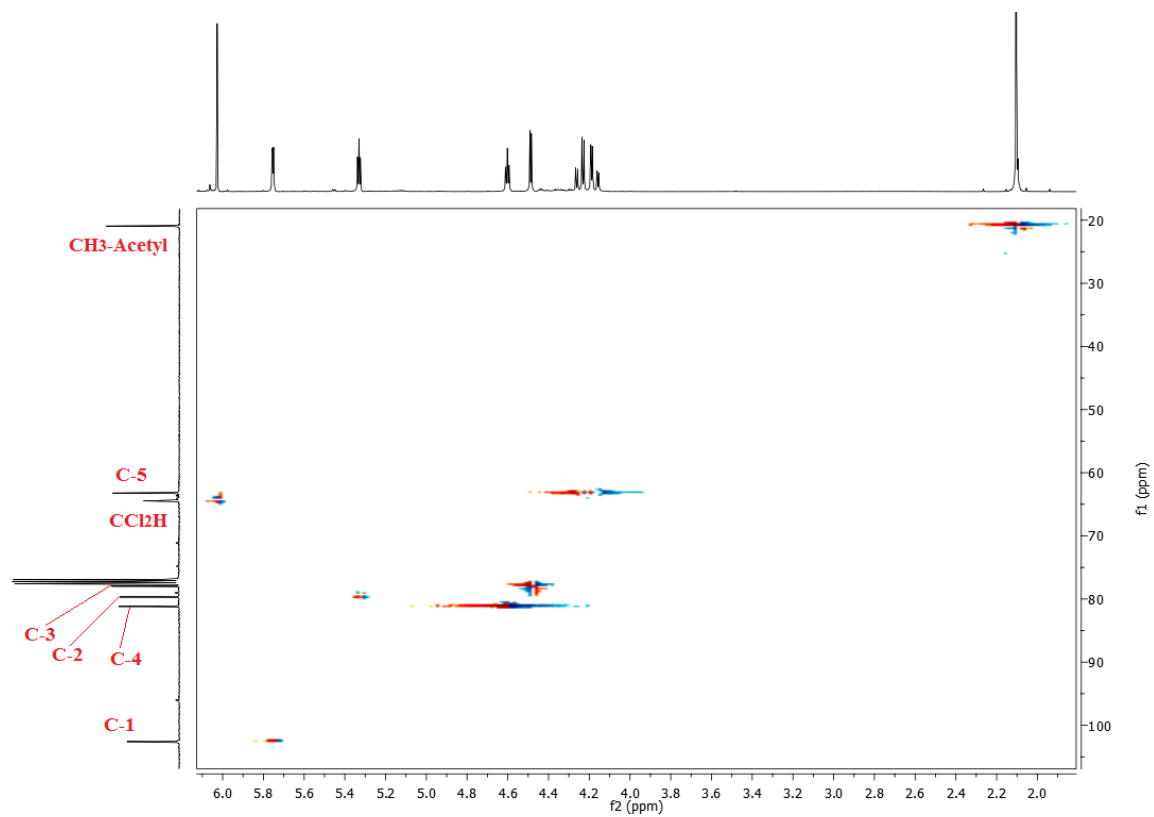
**Figure 6.** NOESY spectrum of 5-*O*-acetyl-1,2,3-*O*-orthodichloroacetyl- $\alpha$ -D-ribofuranose (**4**) in  $\text{CDCl}_3$



**Figure 7.** COSY spectrum of 5-*O*-acetyl-1,2,3-*O*-orthodichloroacetyl- $\alpha$ -D-ribofuranose (**4**) in  $\text{CDCl}_3$



**Figure 8.** Expansion of COSY spectrum of 5-*O*-acetyl-1,2,3-*O*-orthodichloroacetyl- $\alpha$ -D-ribofuranose (**4**) in CDCl<sub>3</sub>



**Figure 9.** HMQC spectrum of 5-*O*-acetyl-1,2,3-*O*-orthodichloroacetyl- $\alpha$ -D-ribofuranose (**4**) in CDCl<sub>3</sub>