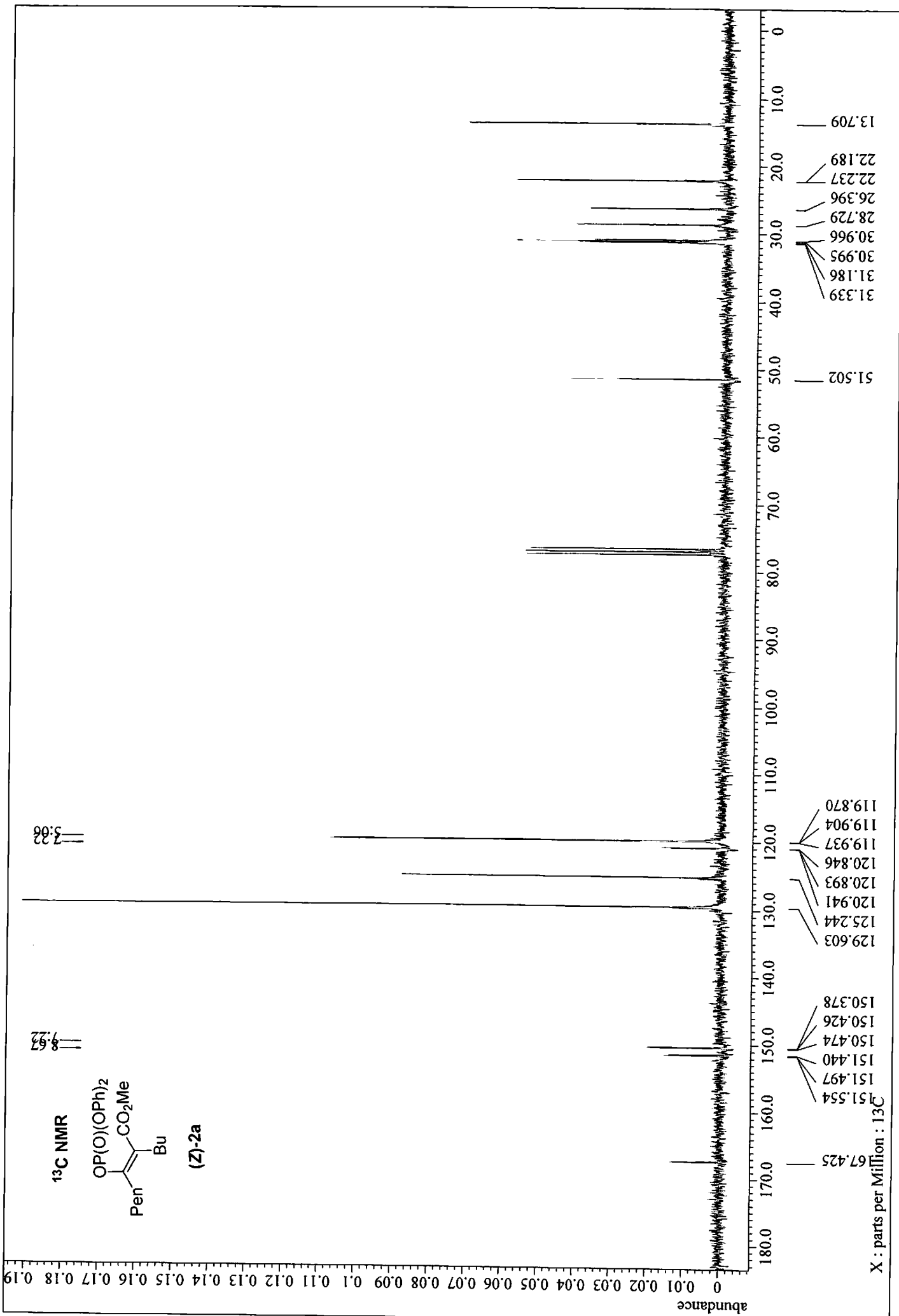
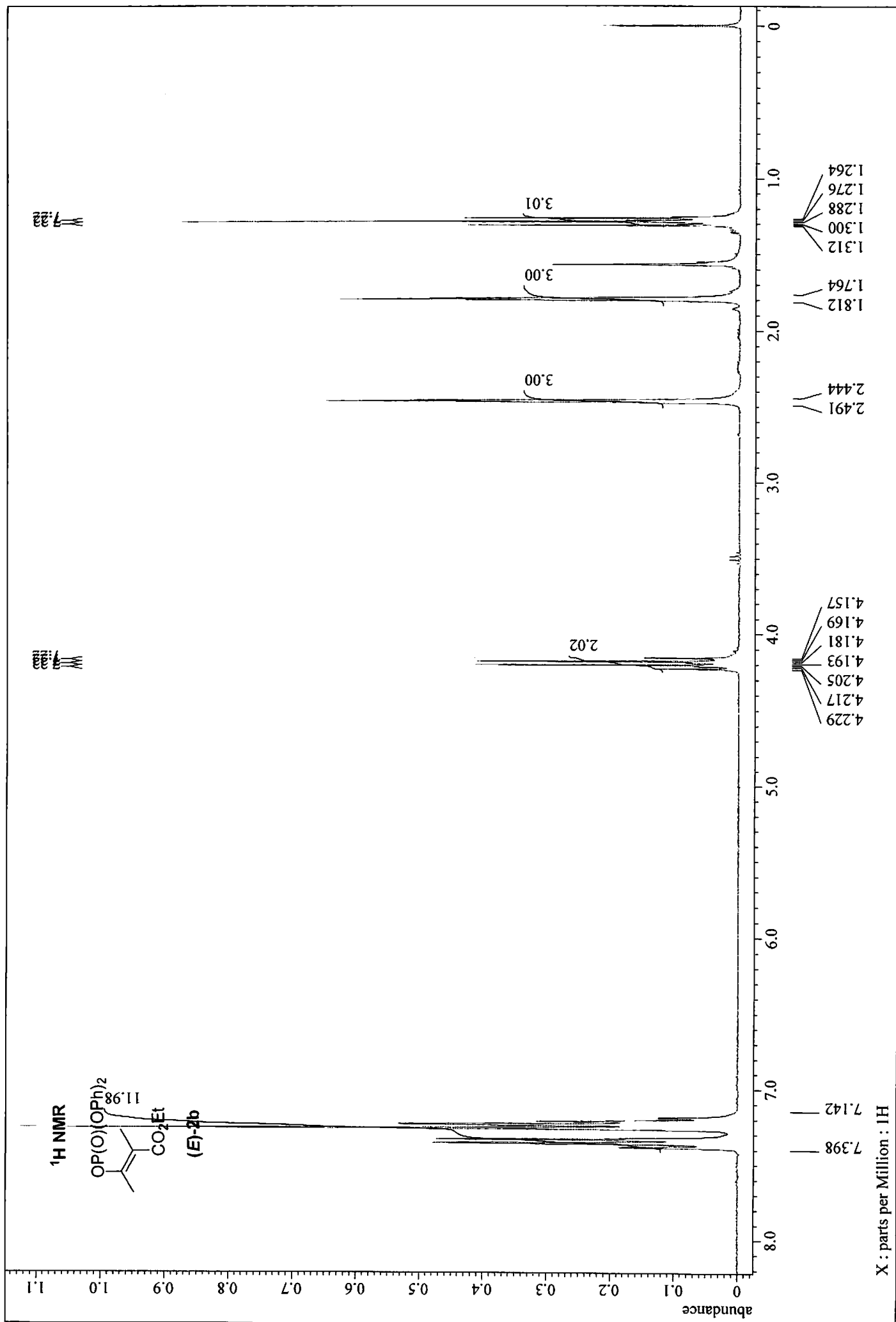
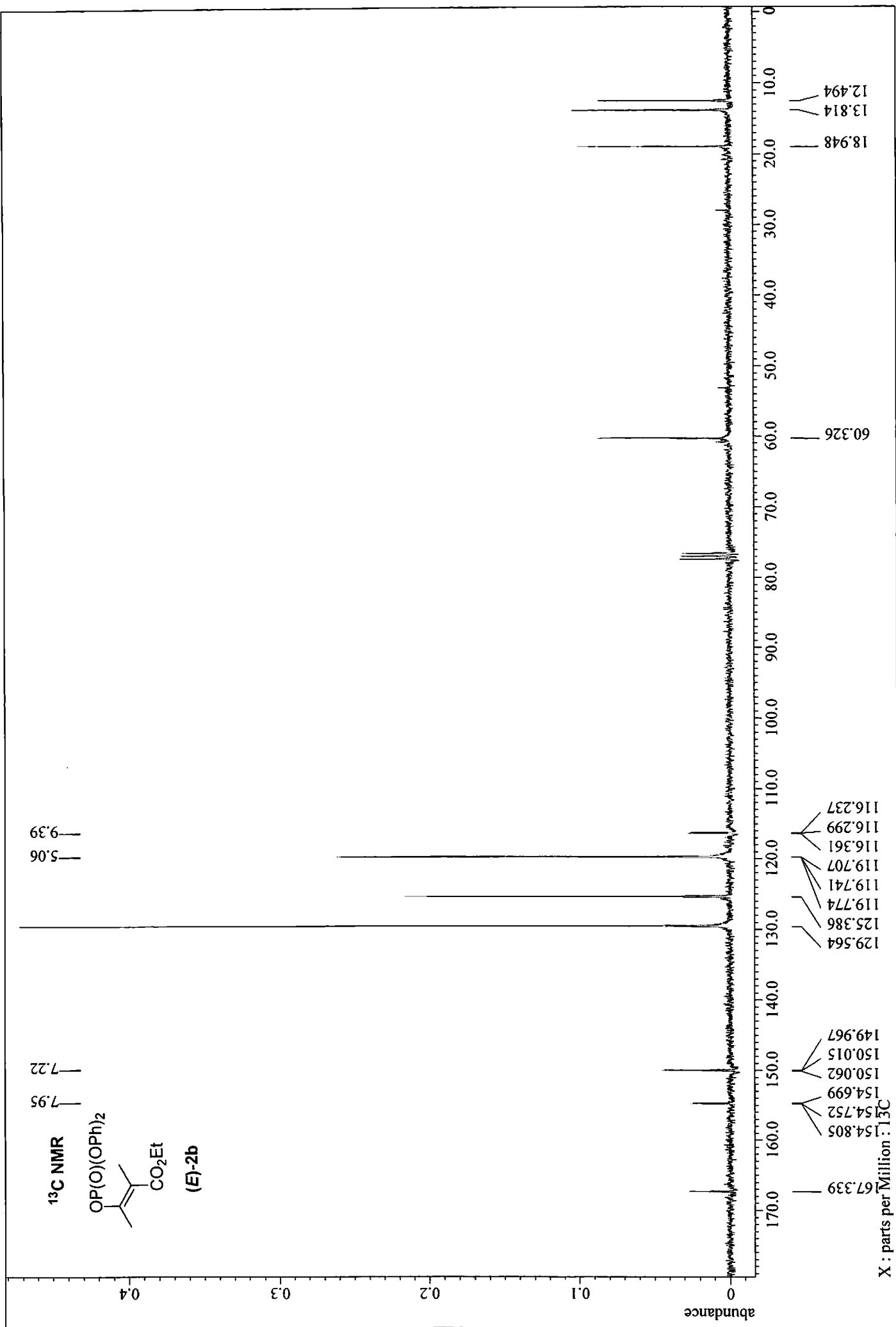
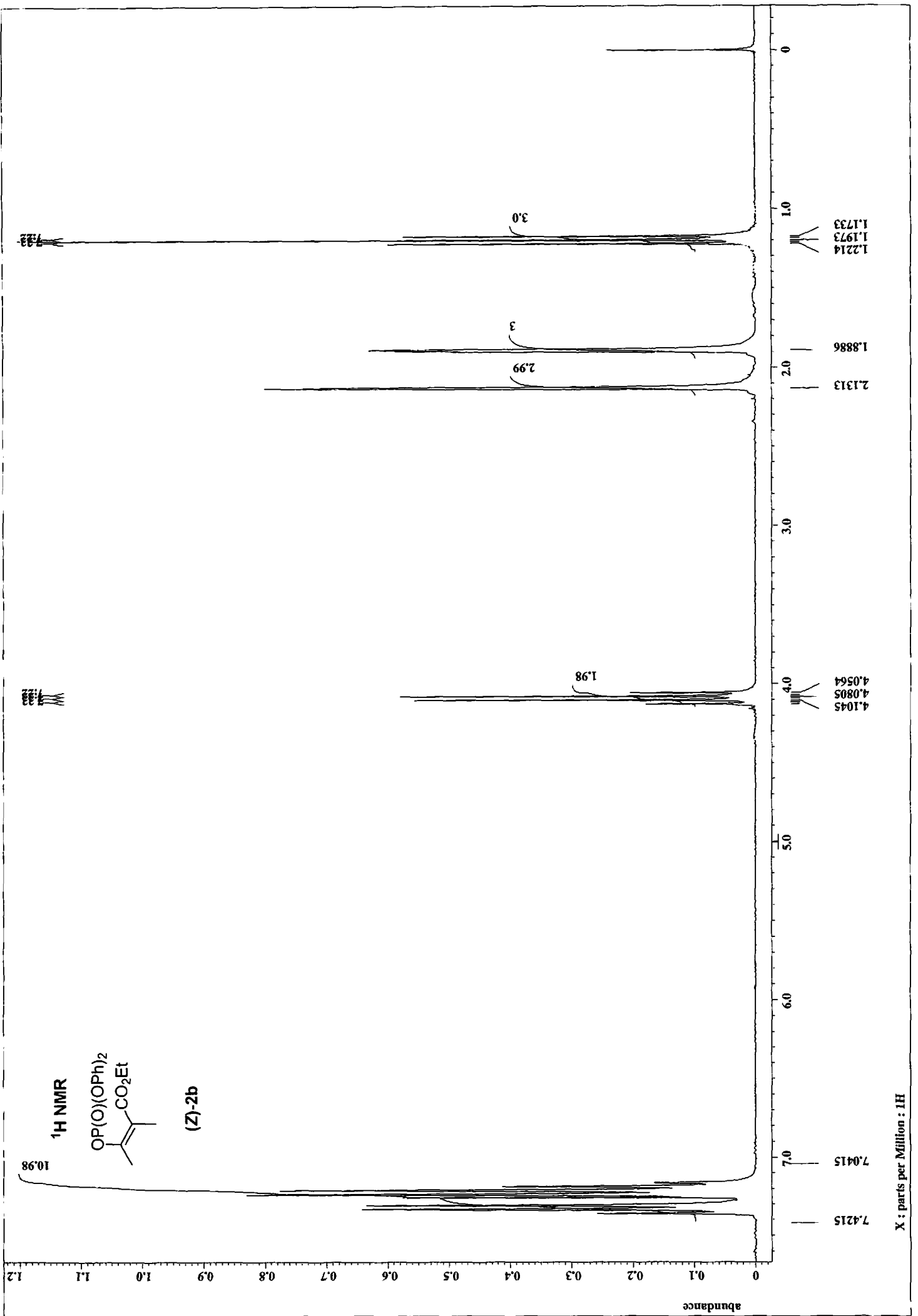


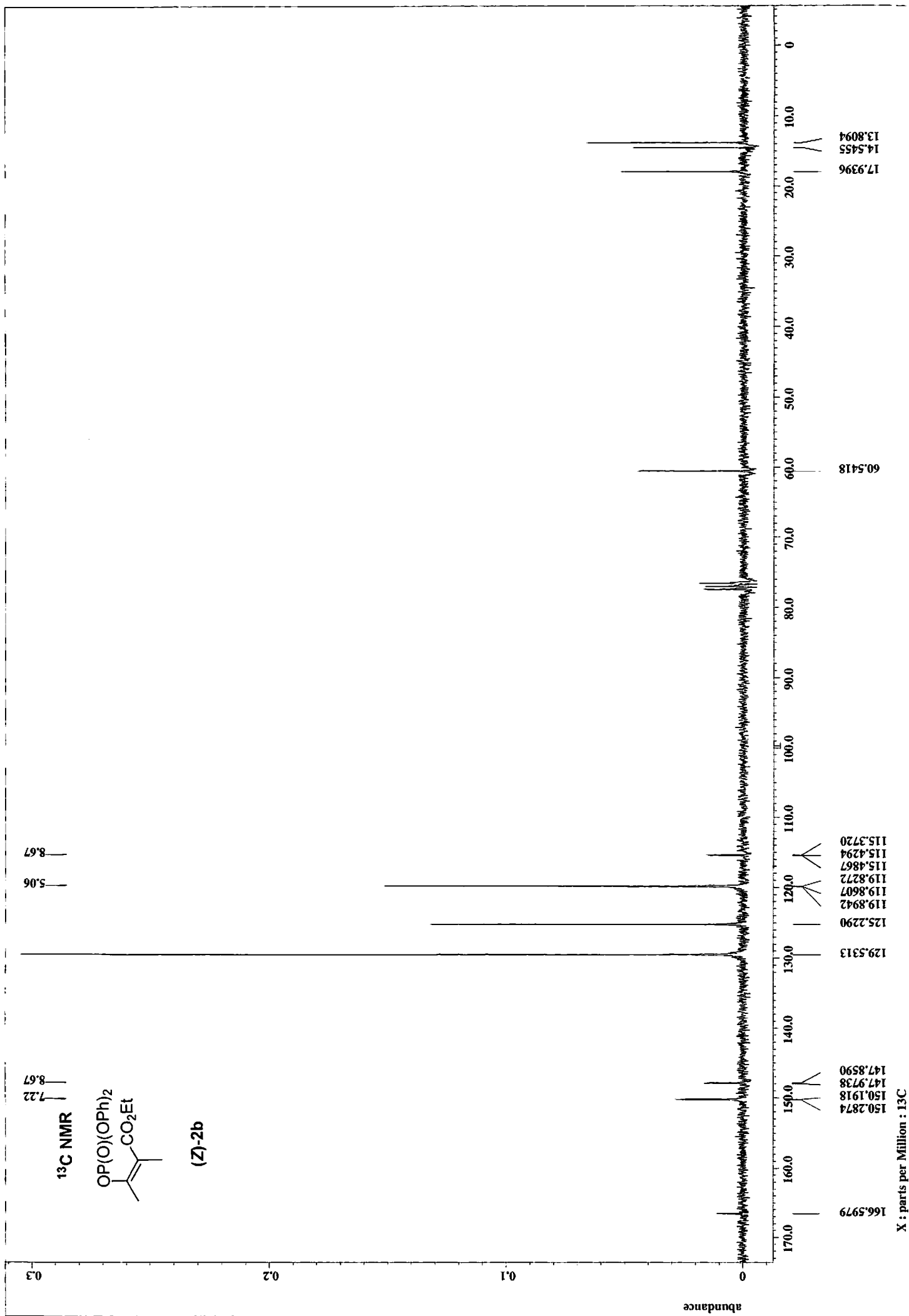
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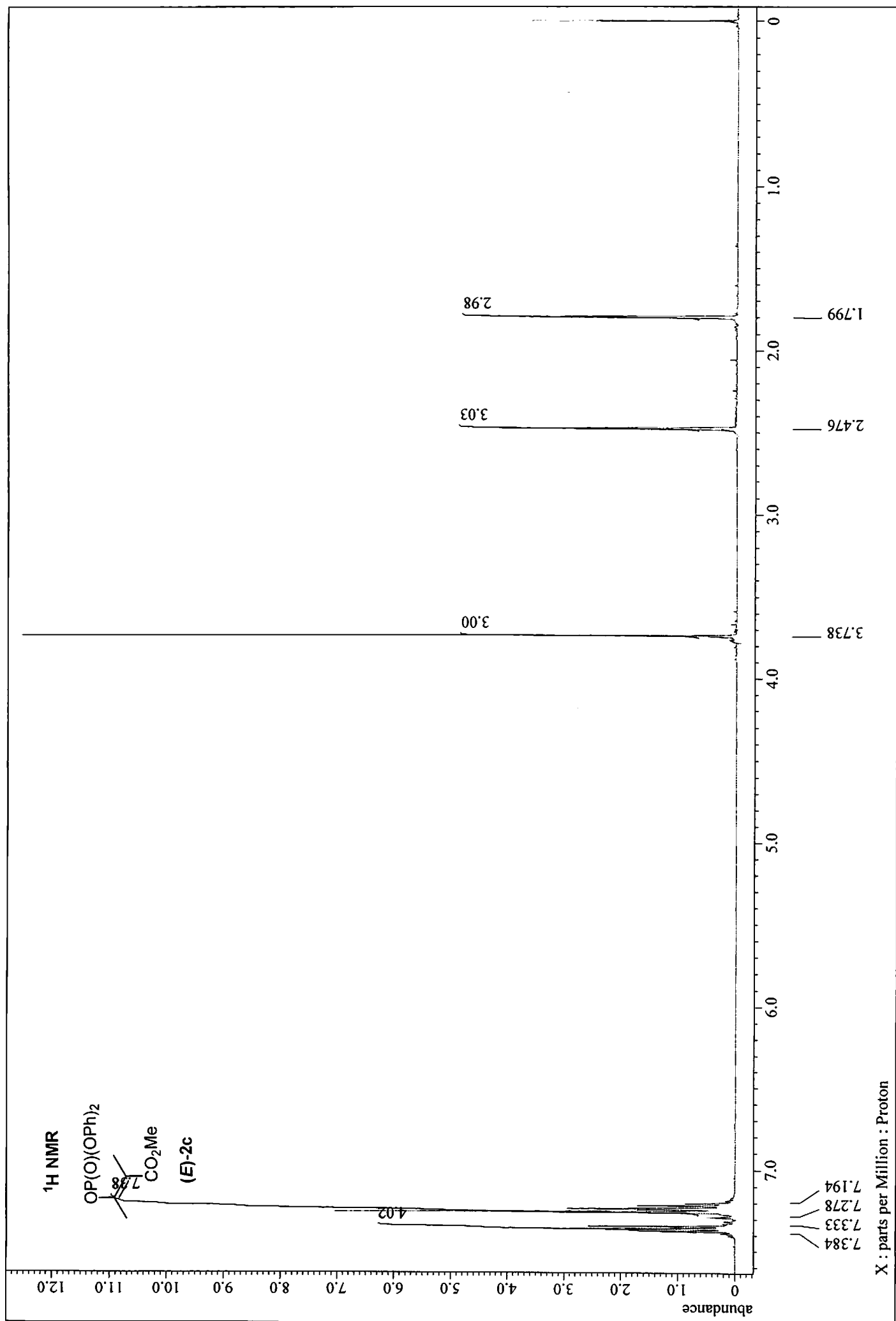


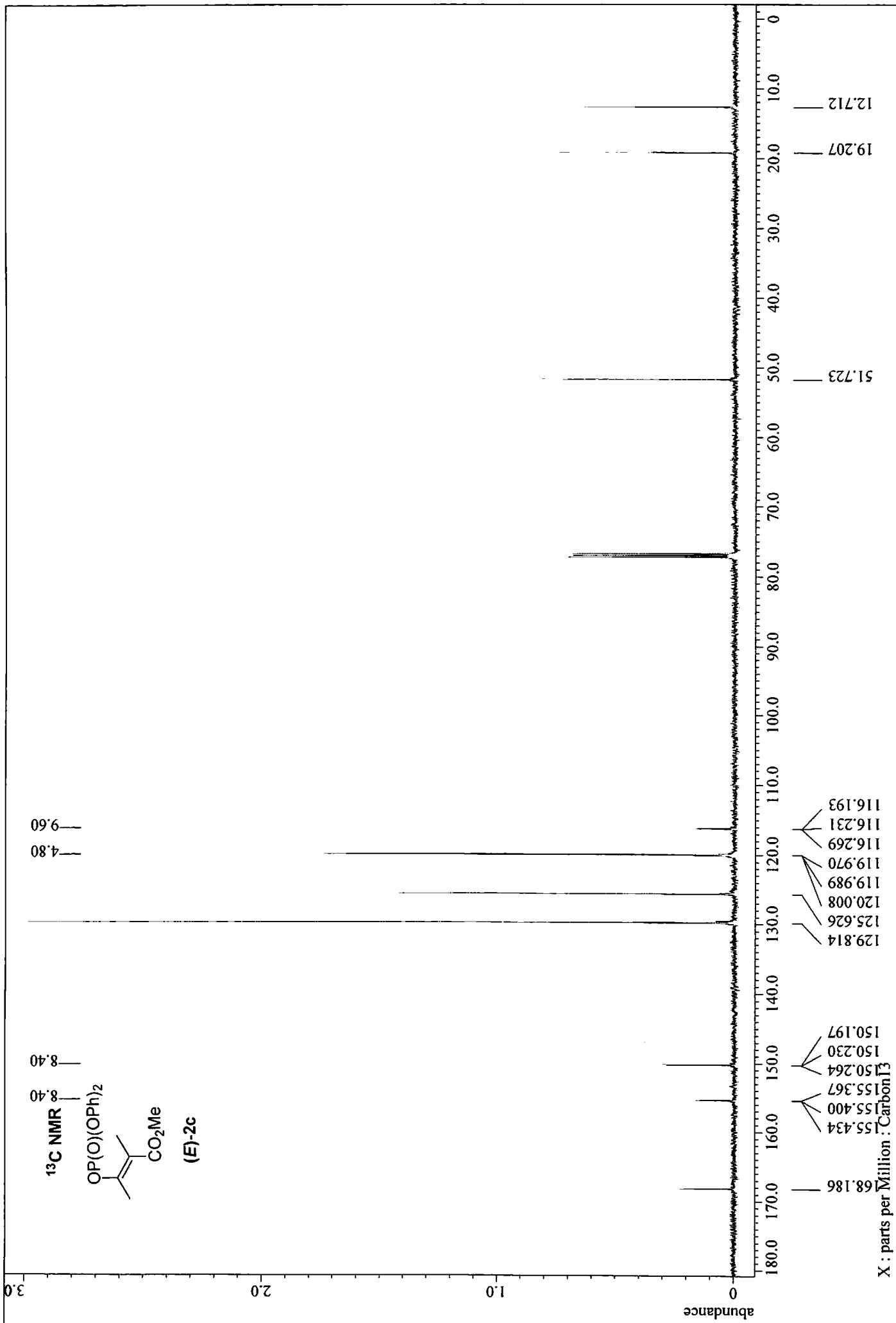


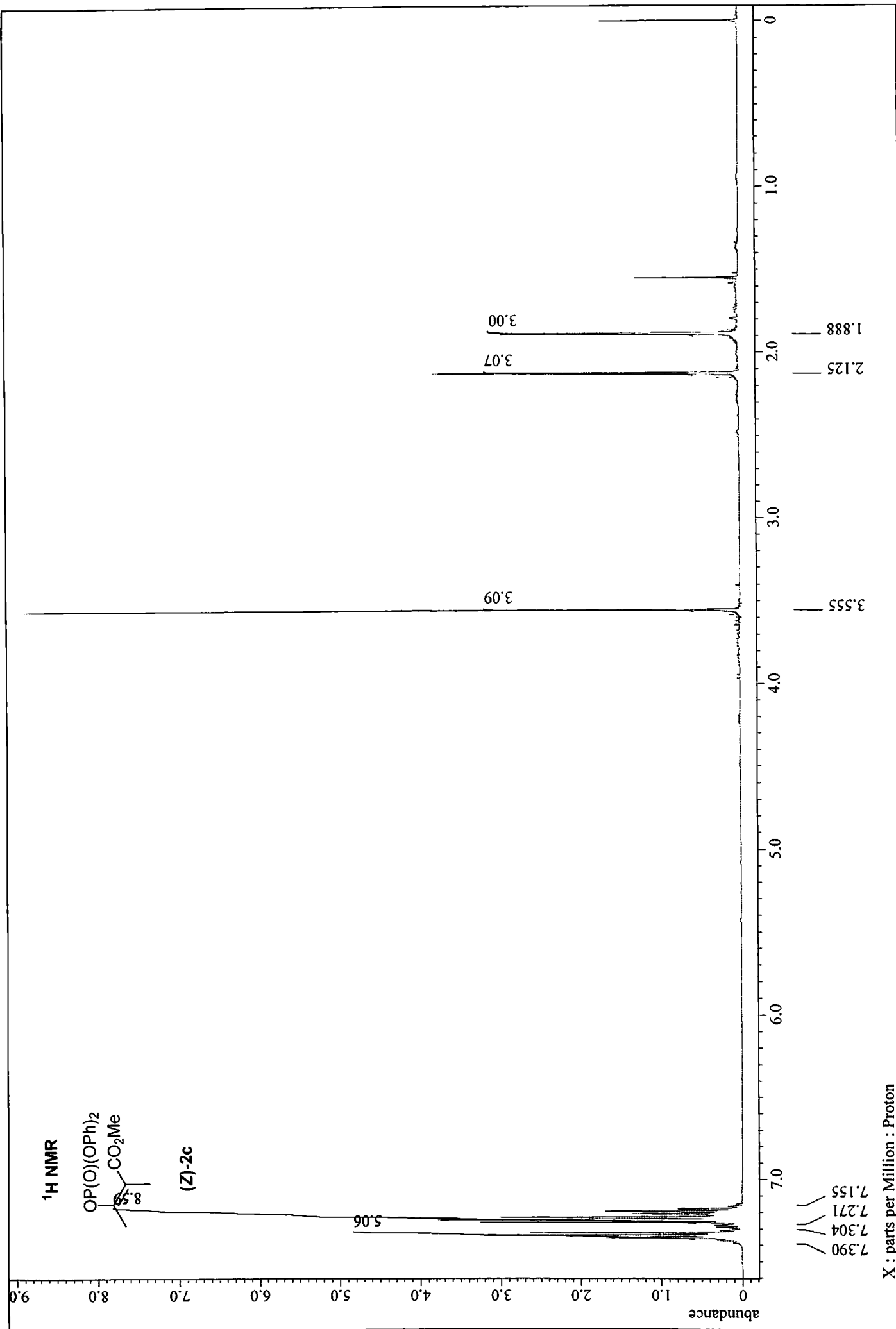


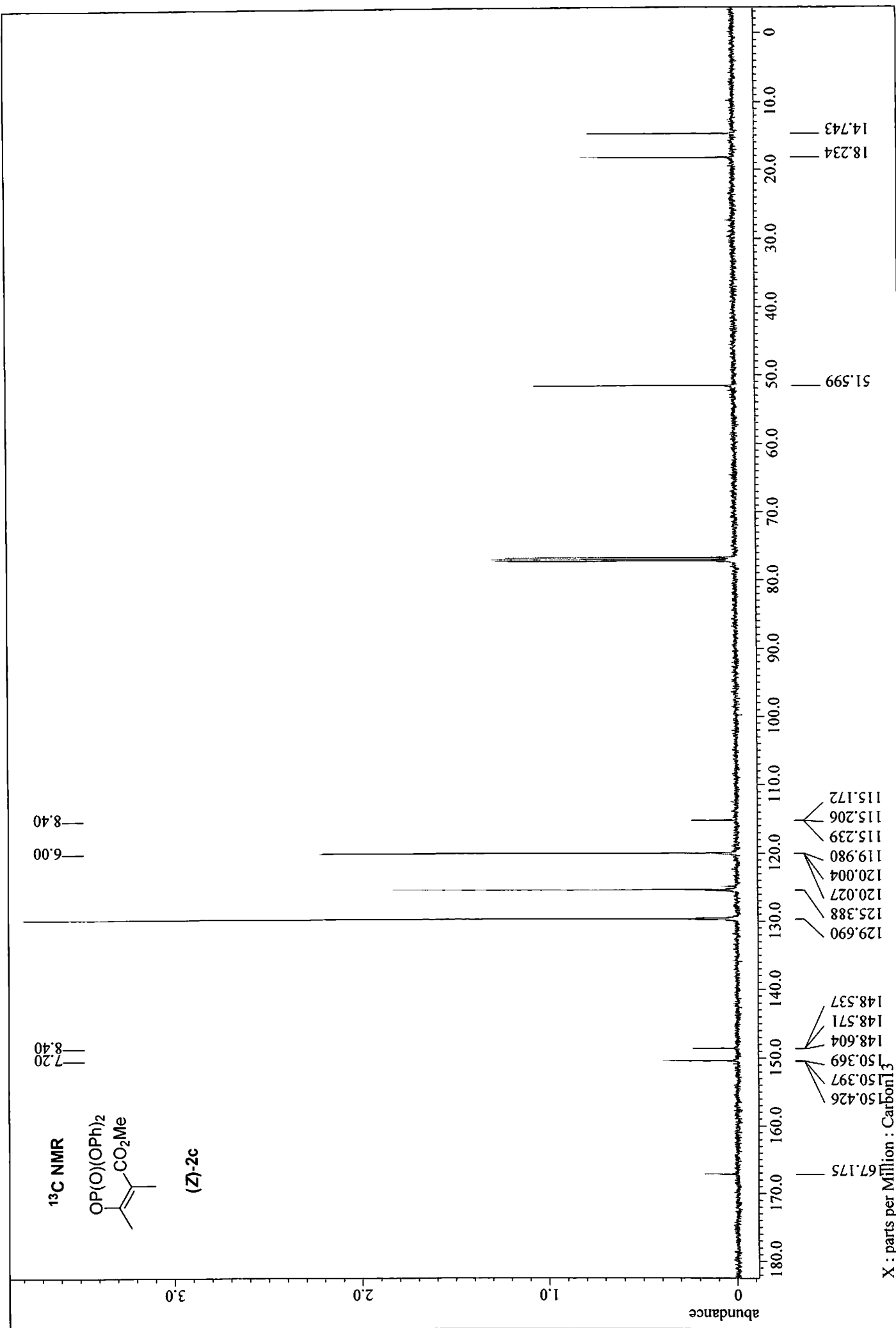


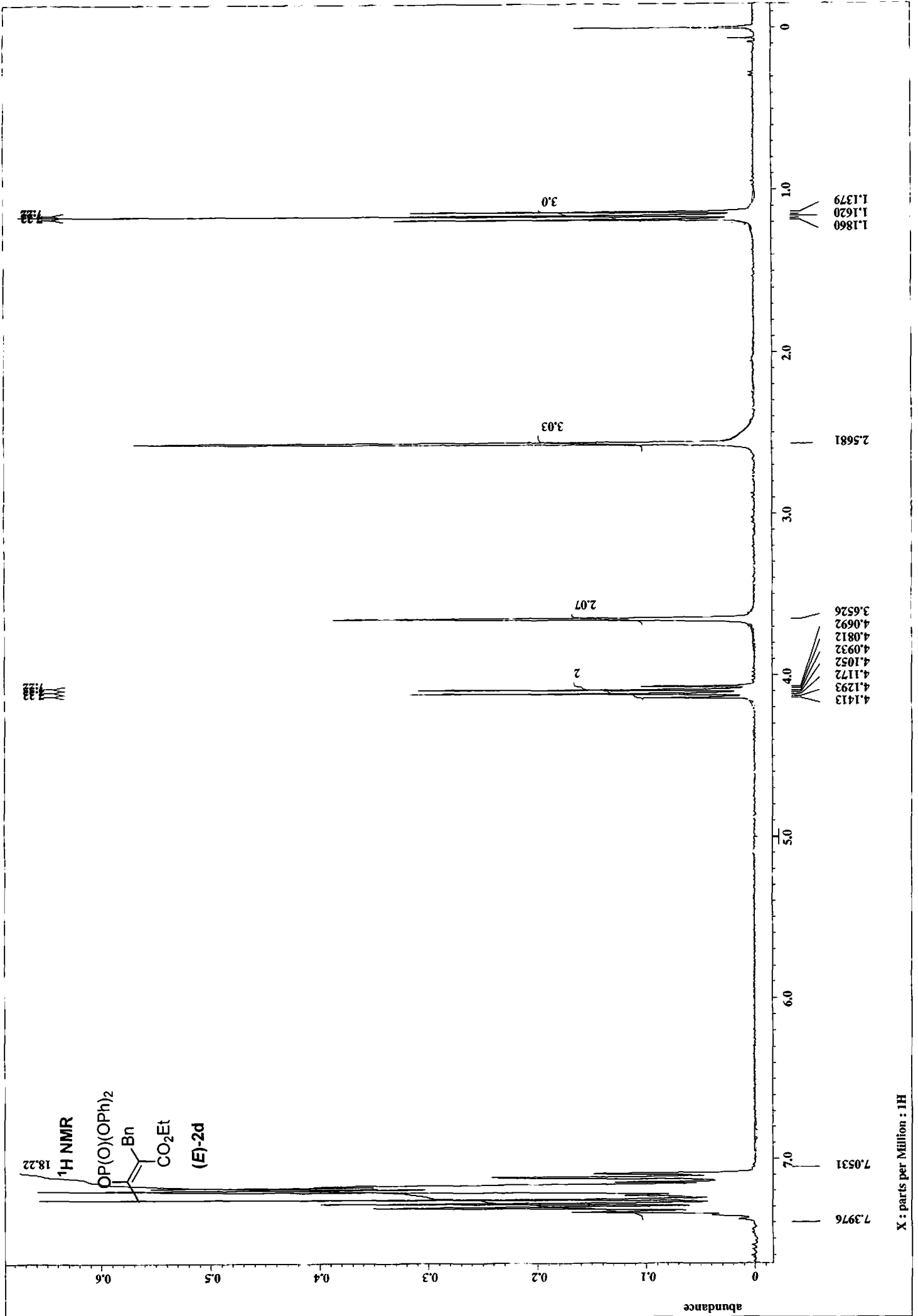


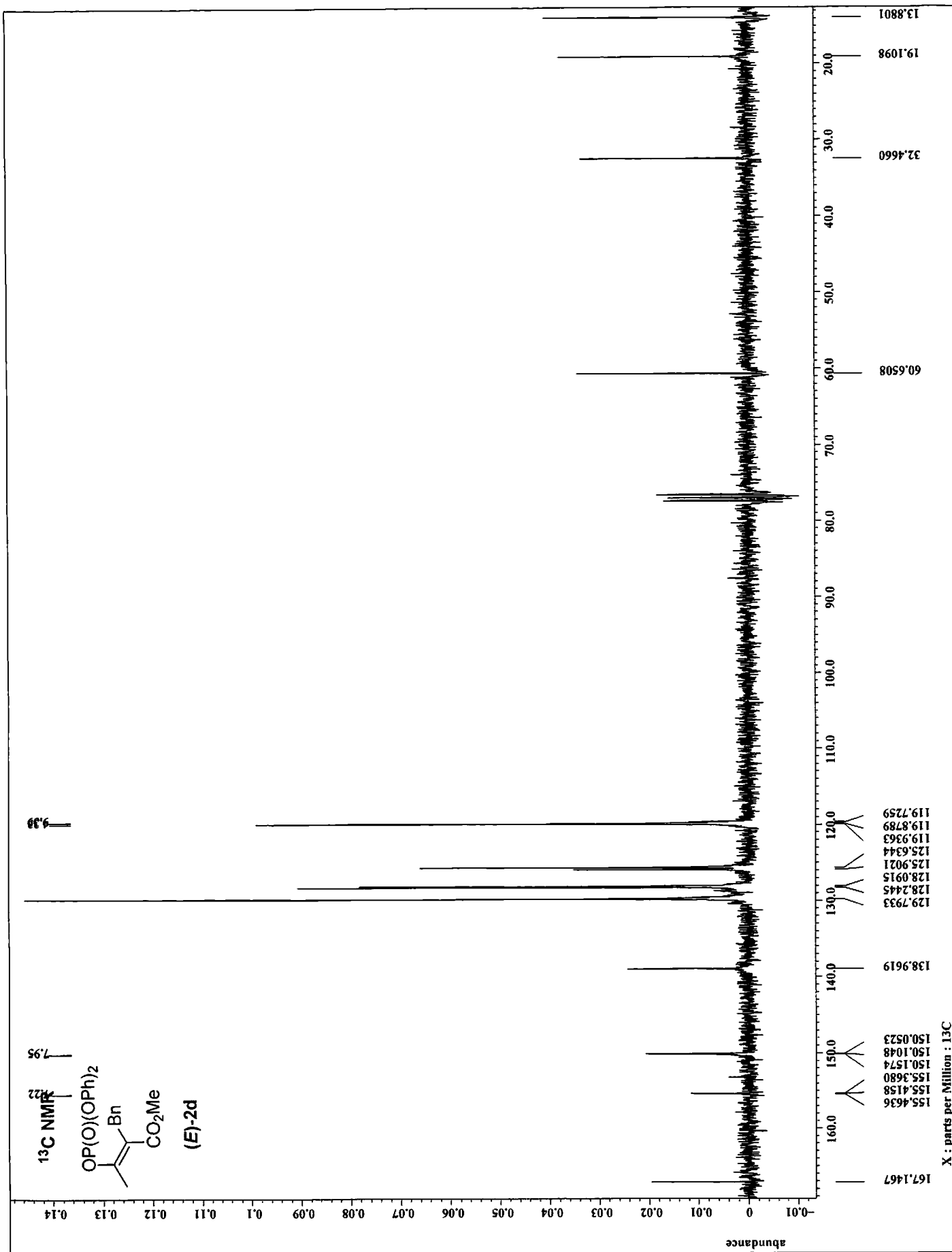


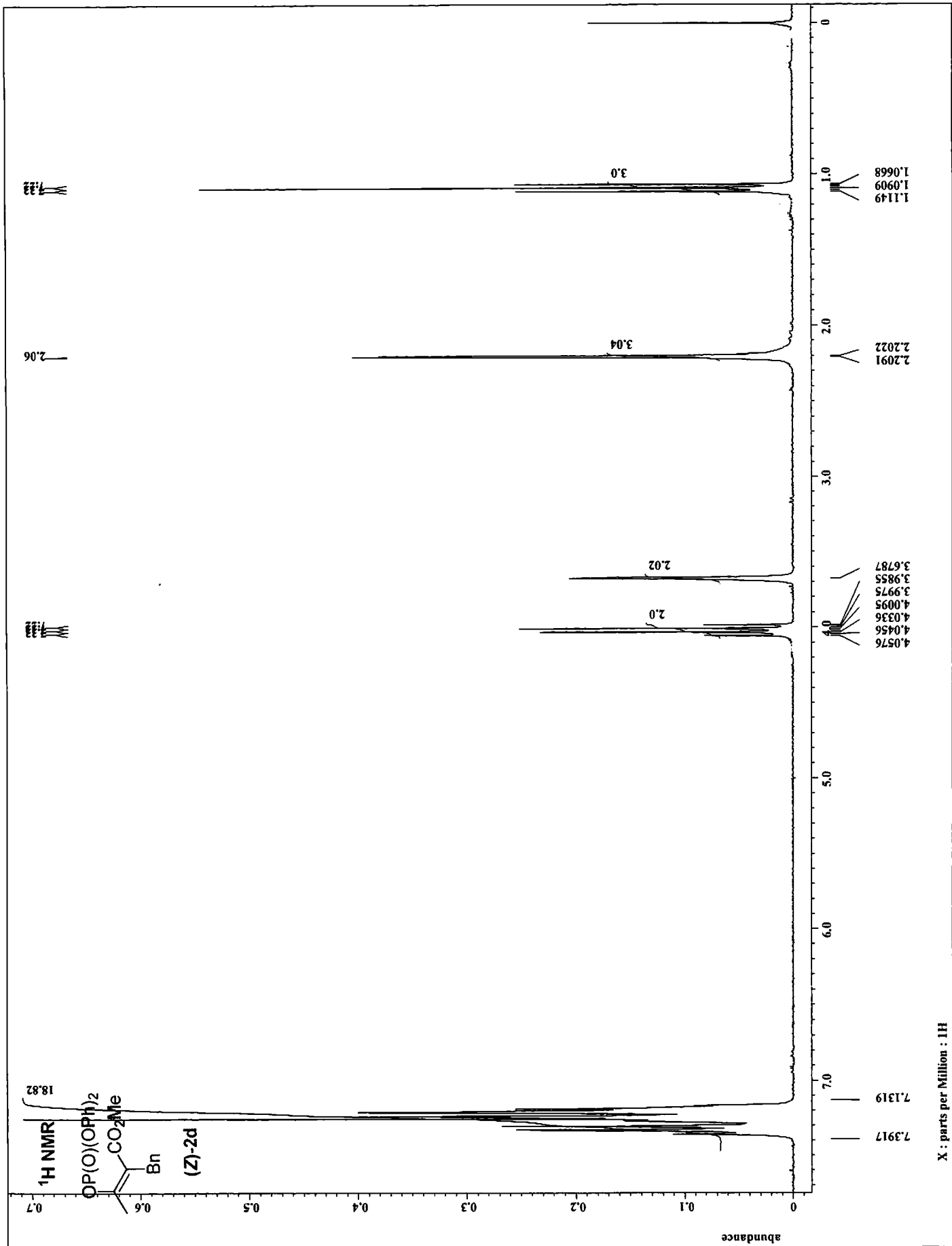


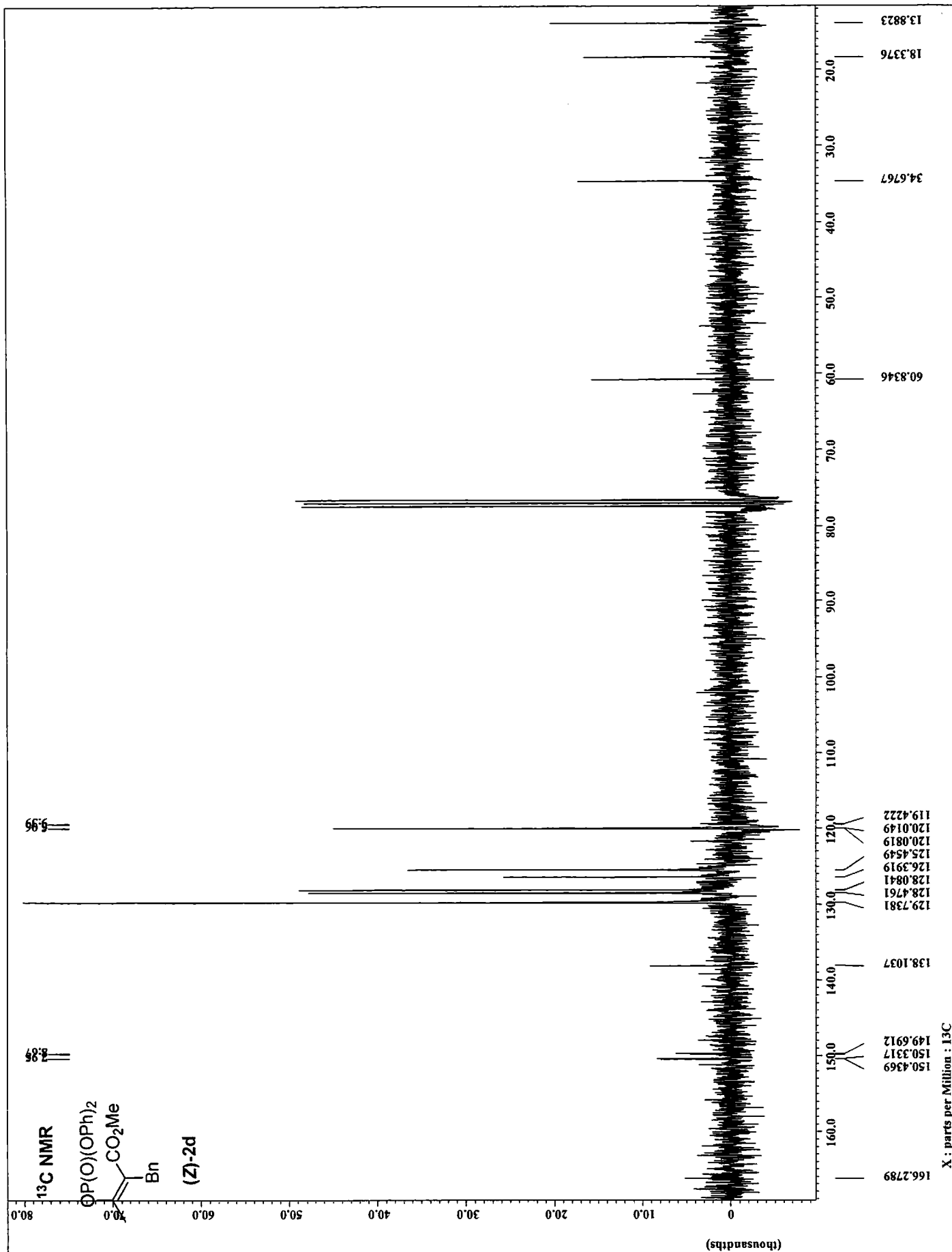


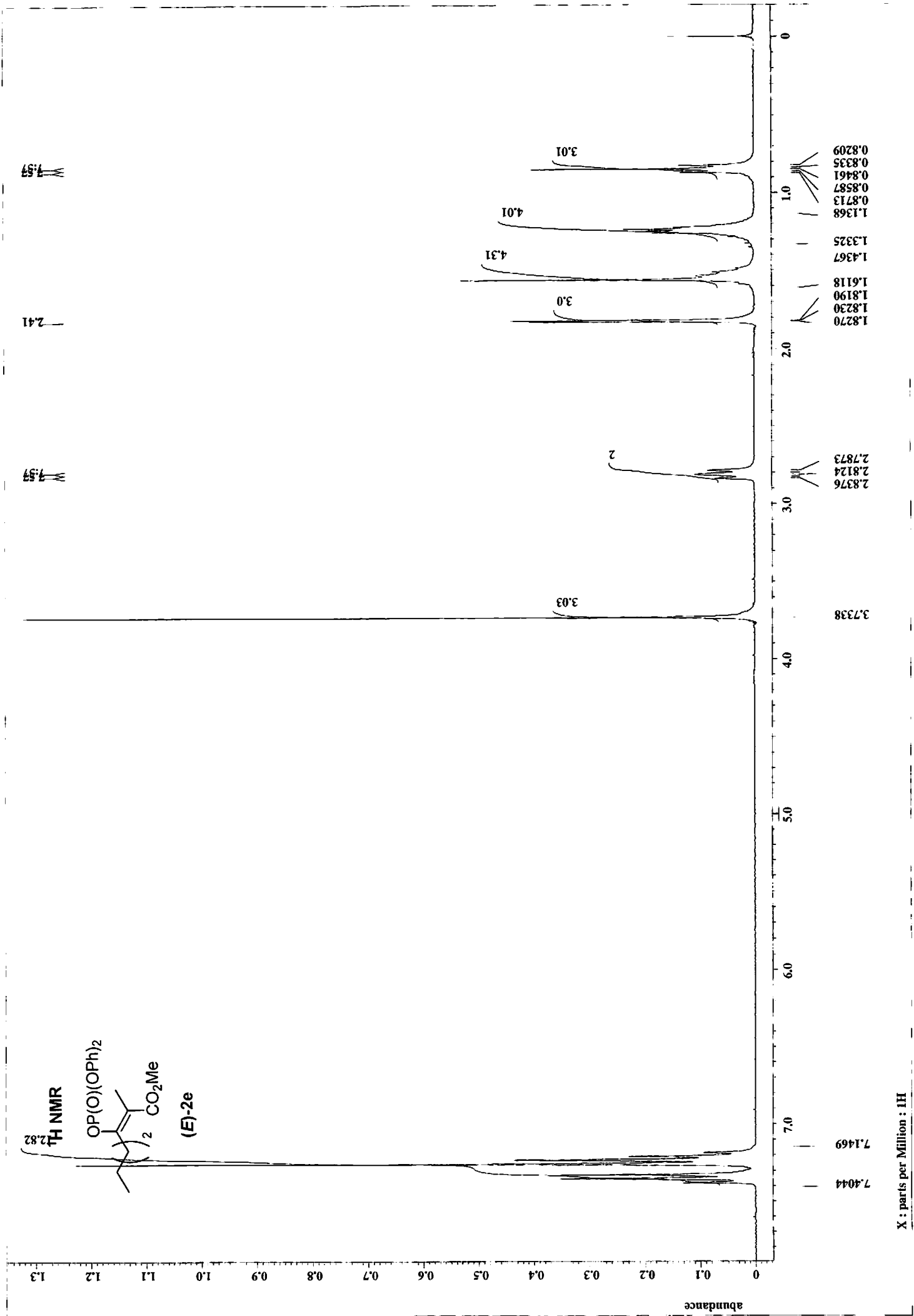


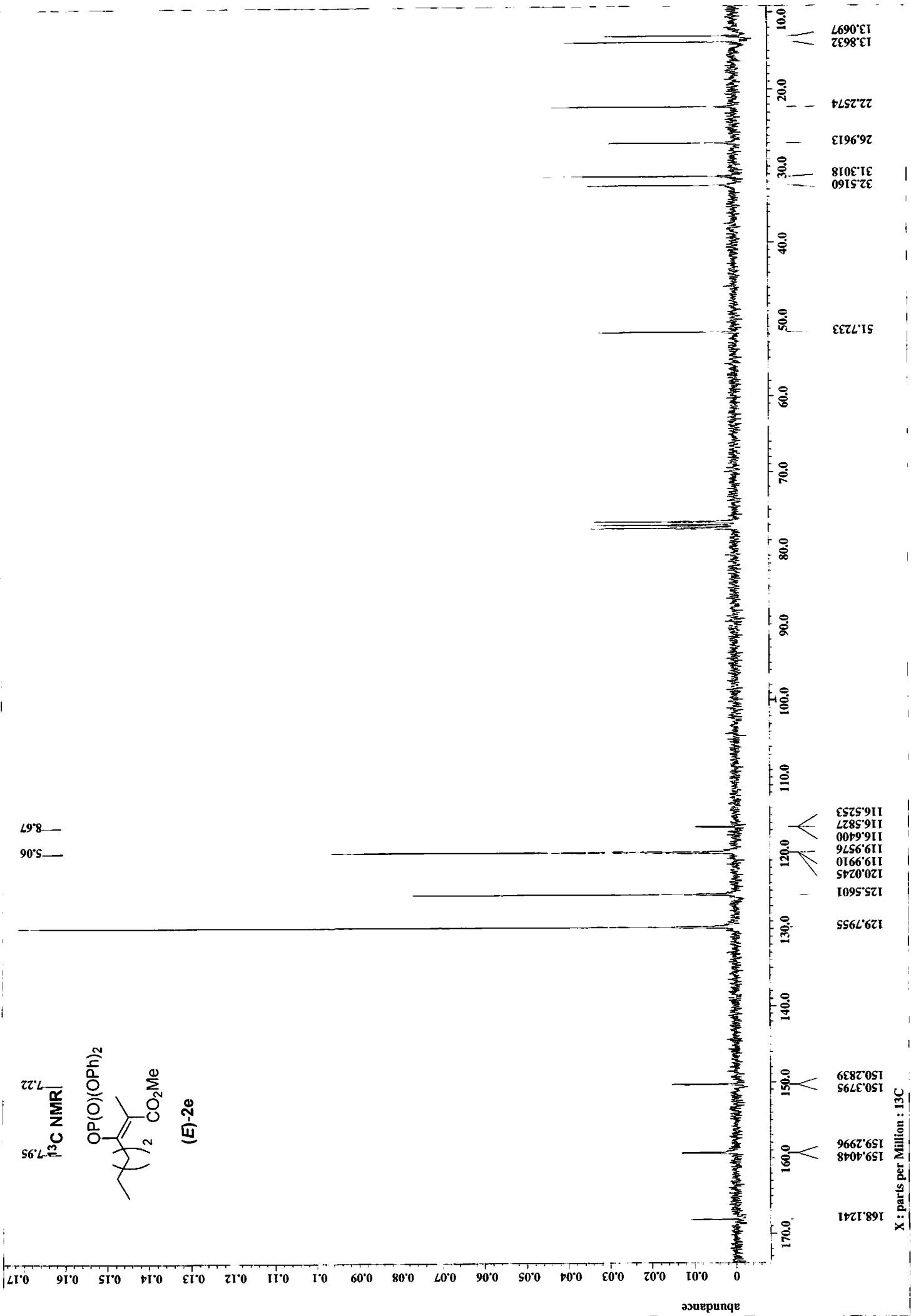


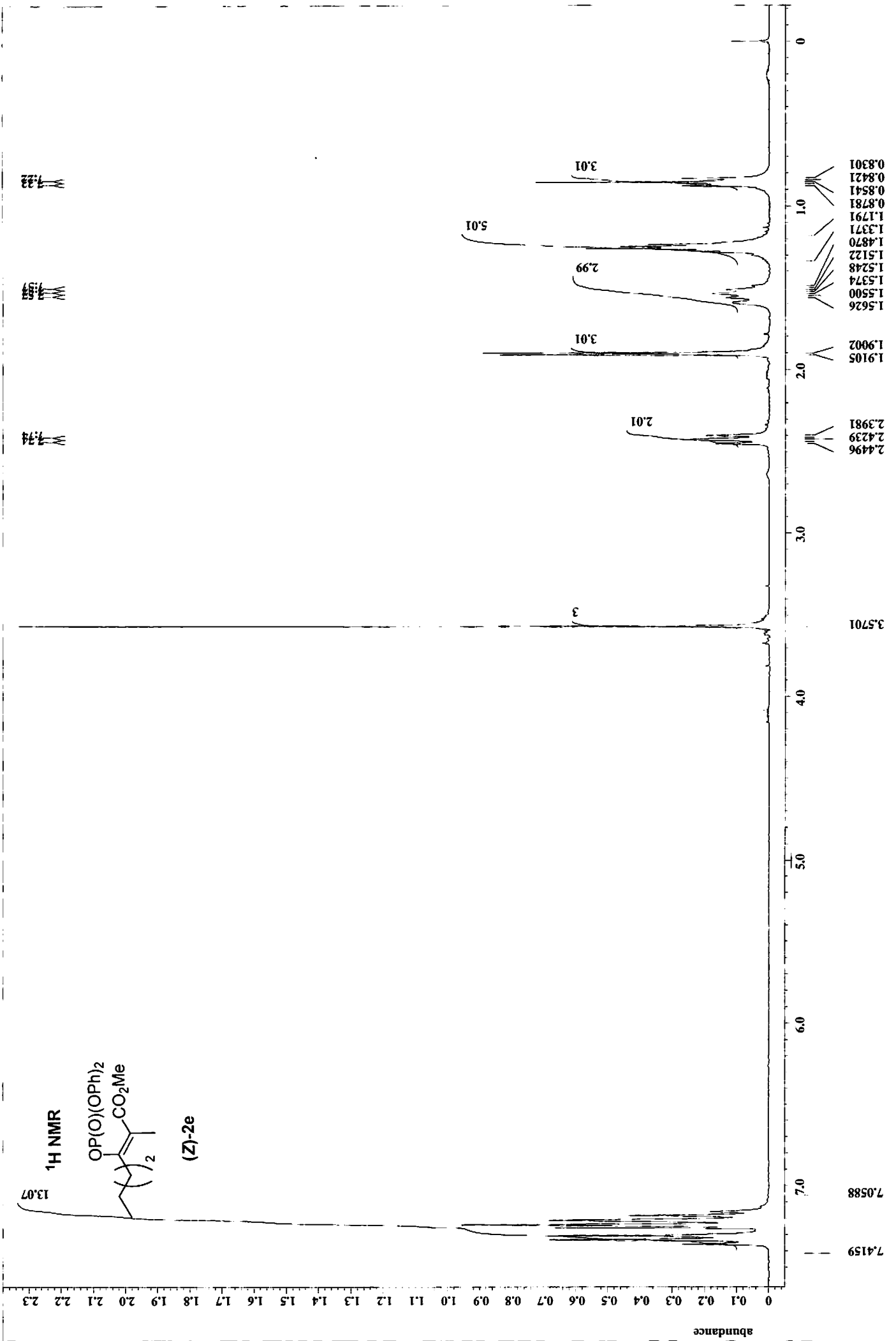






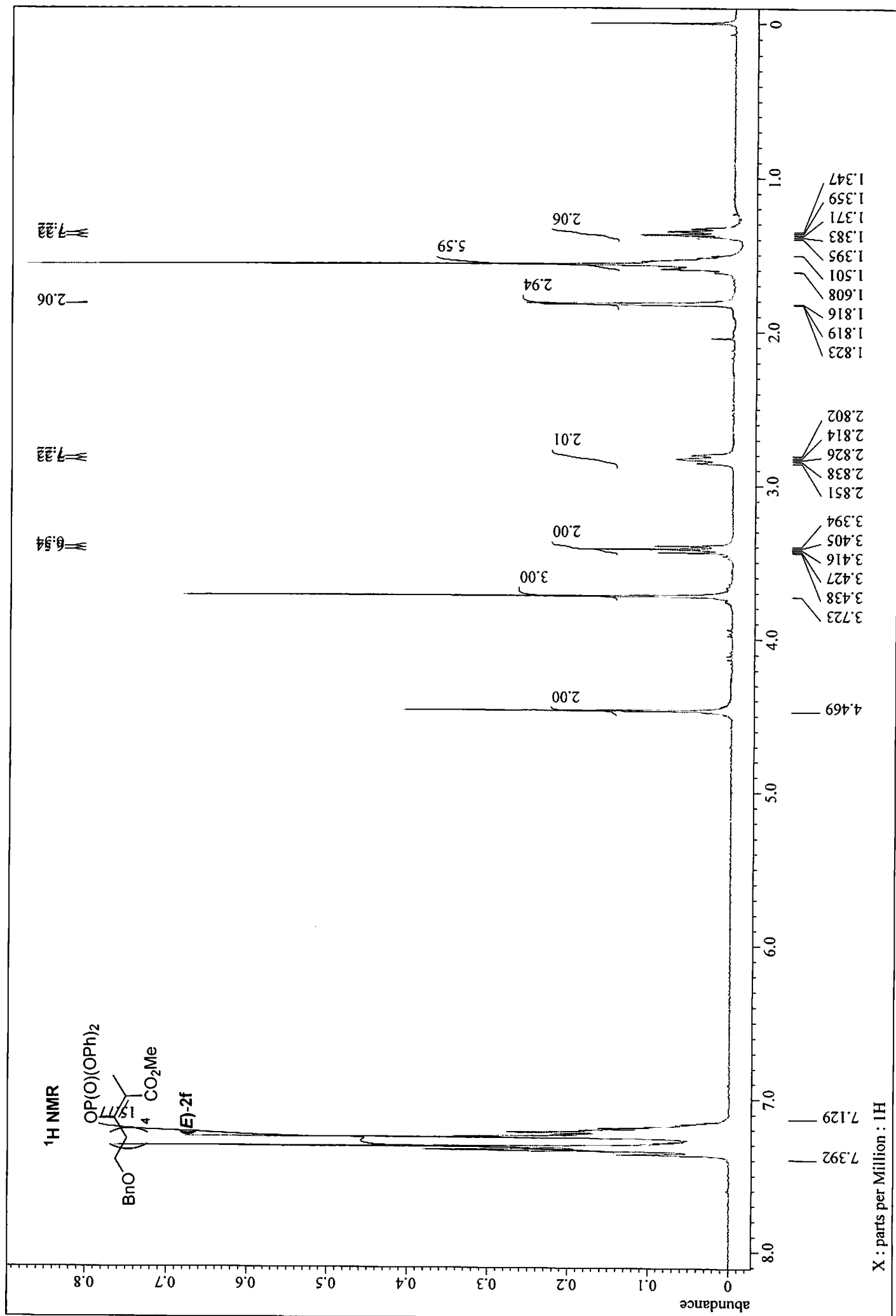


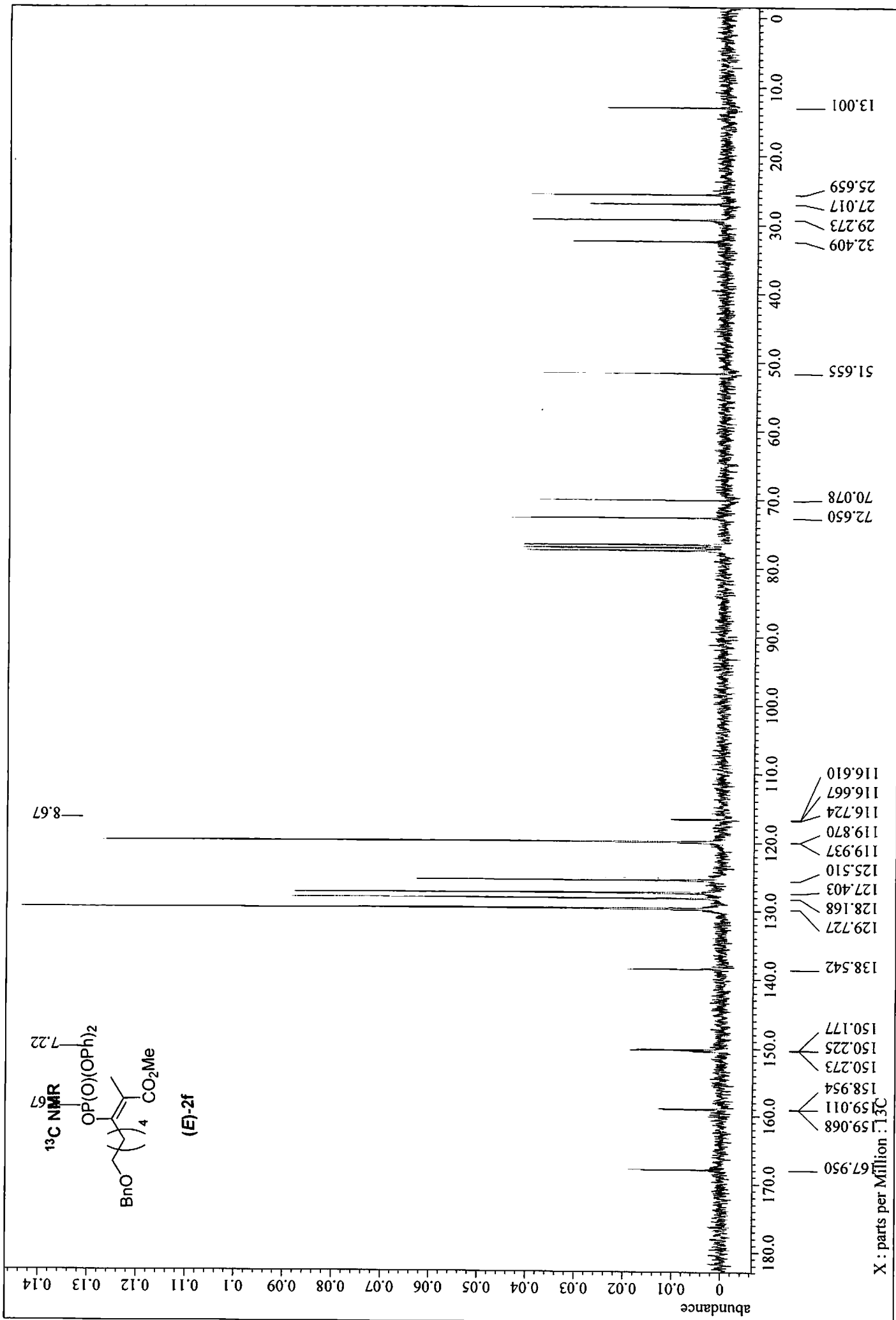


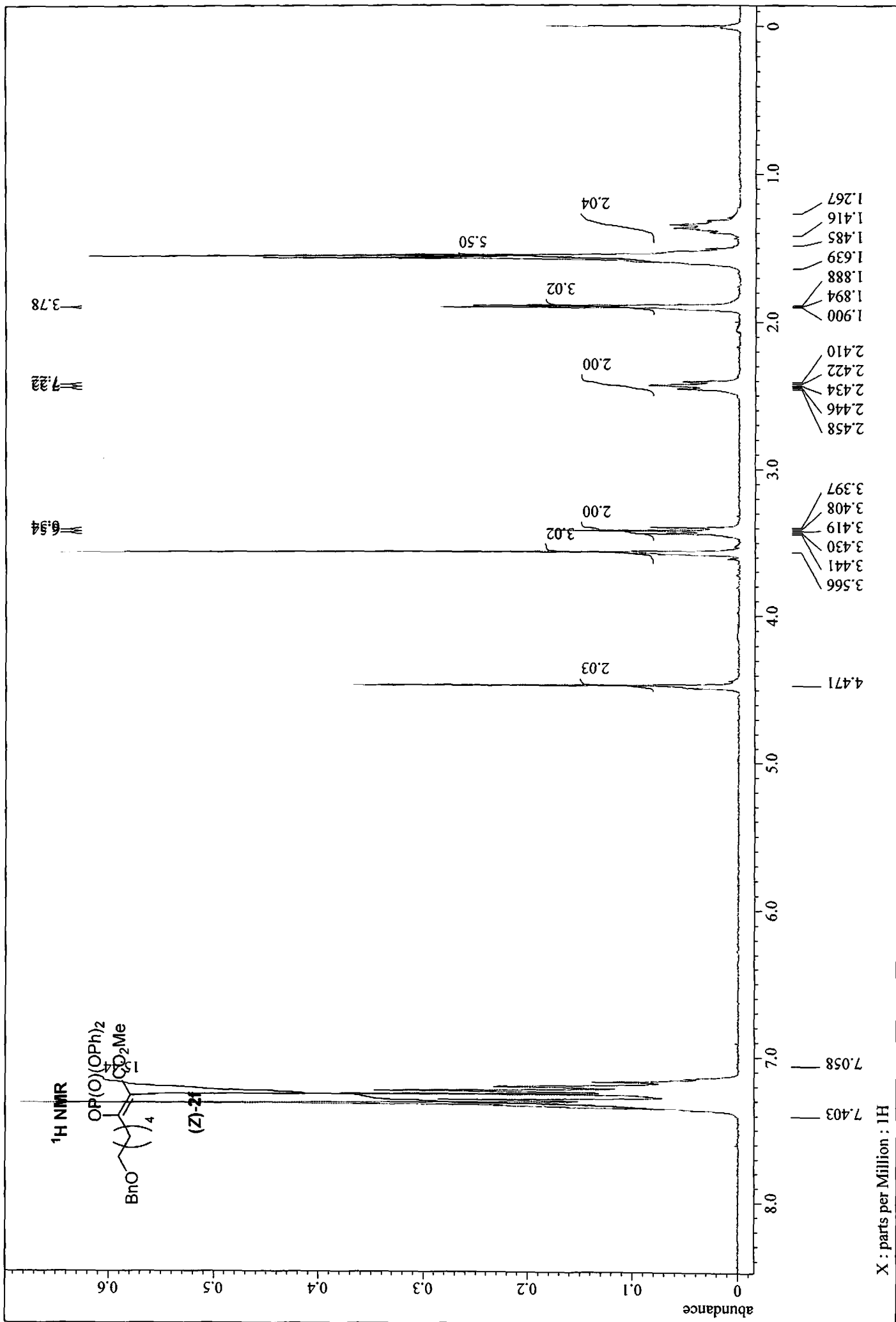


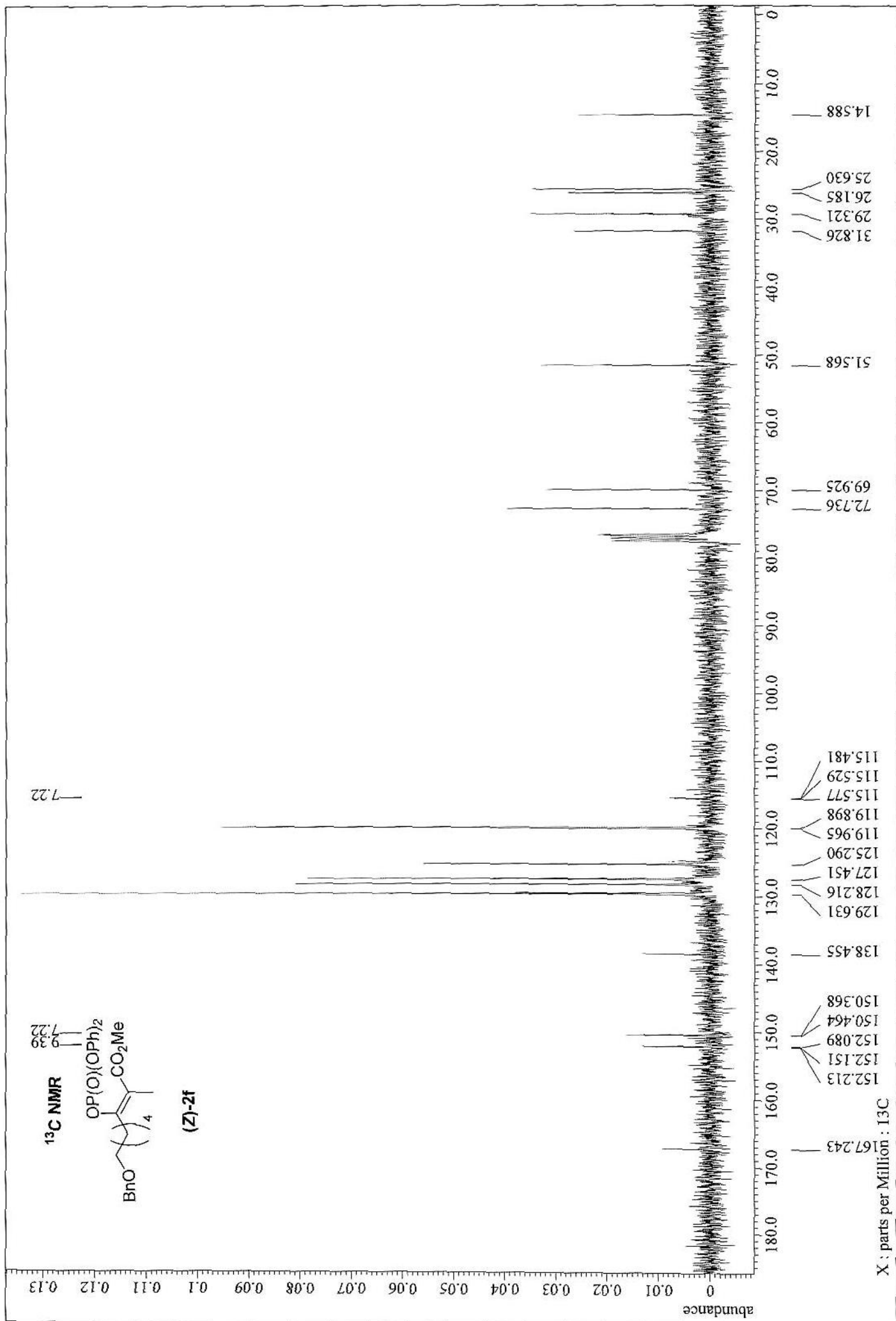
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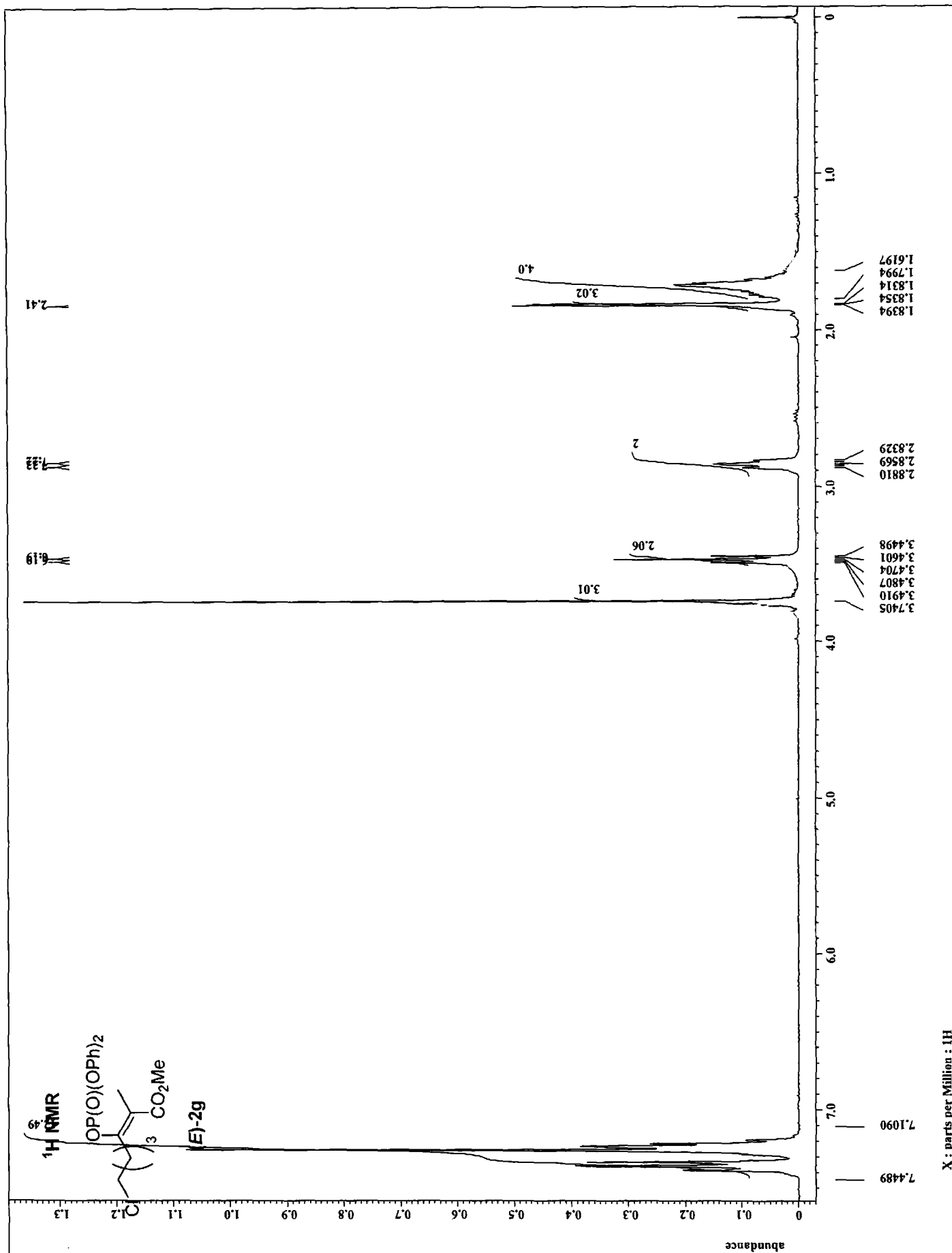


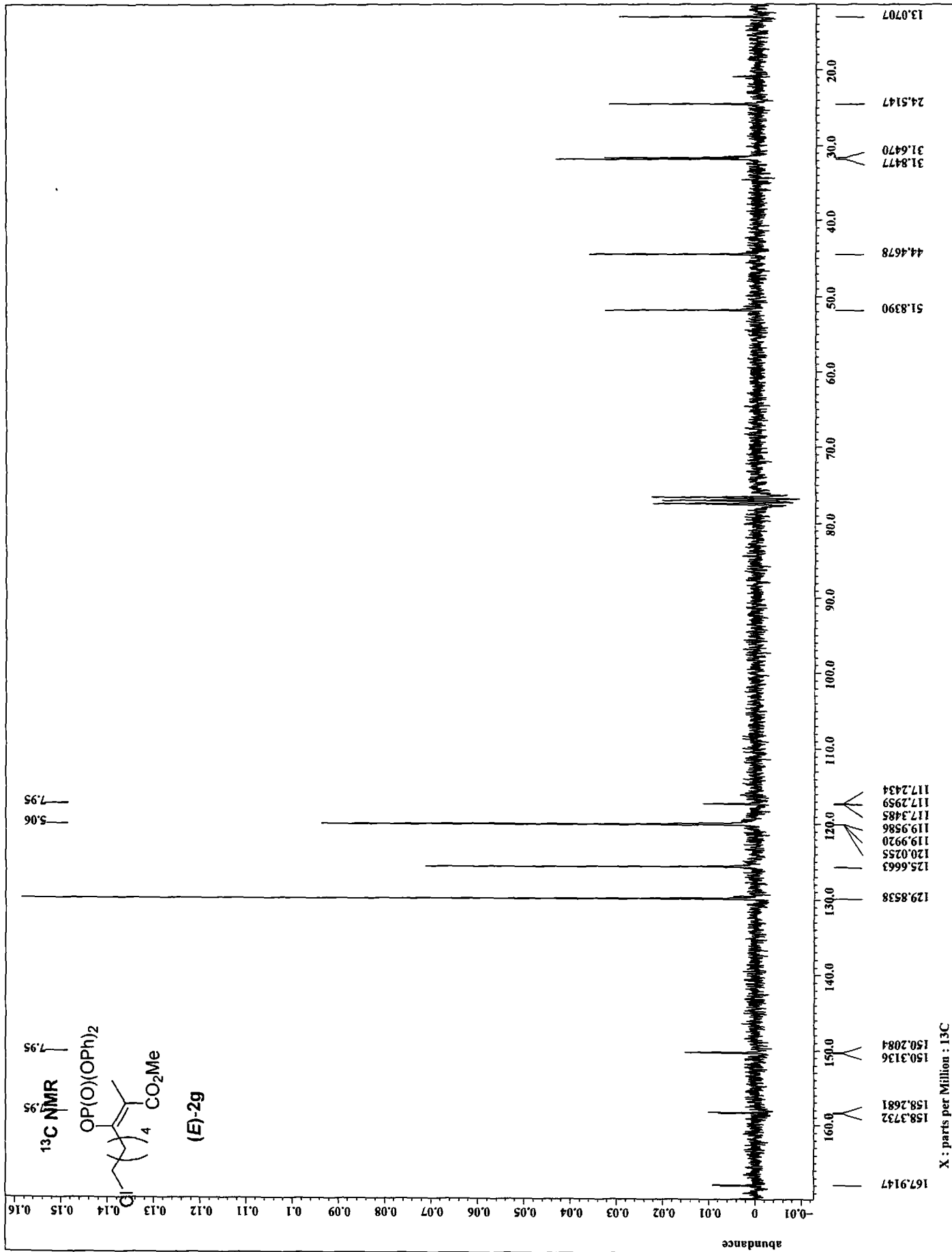


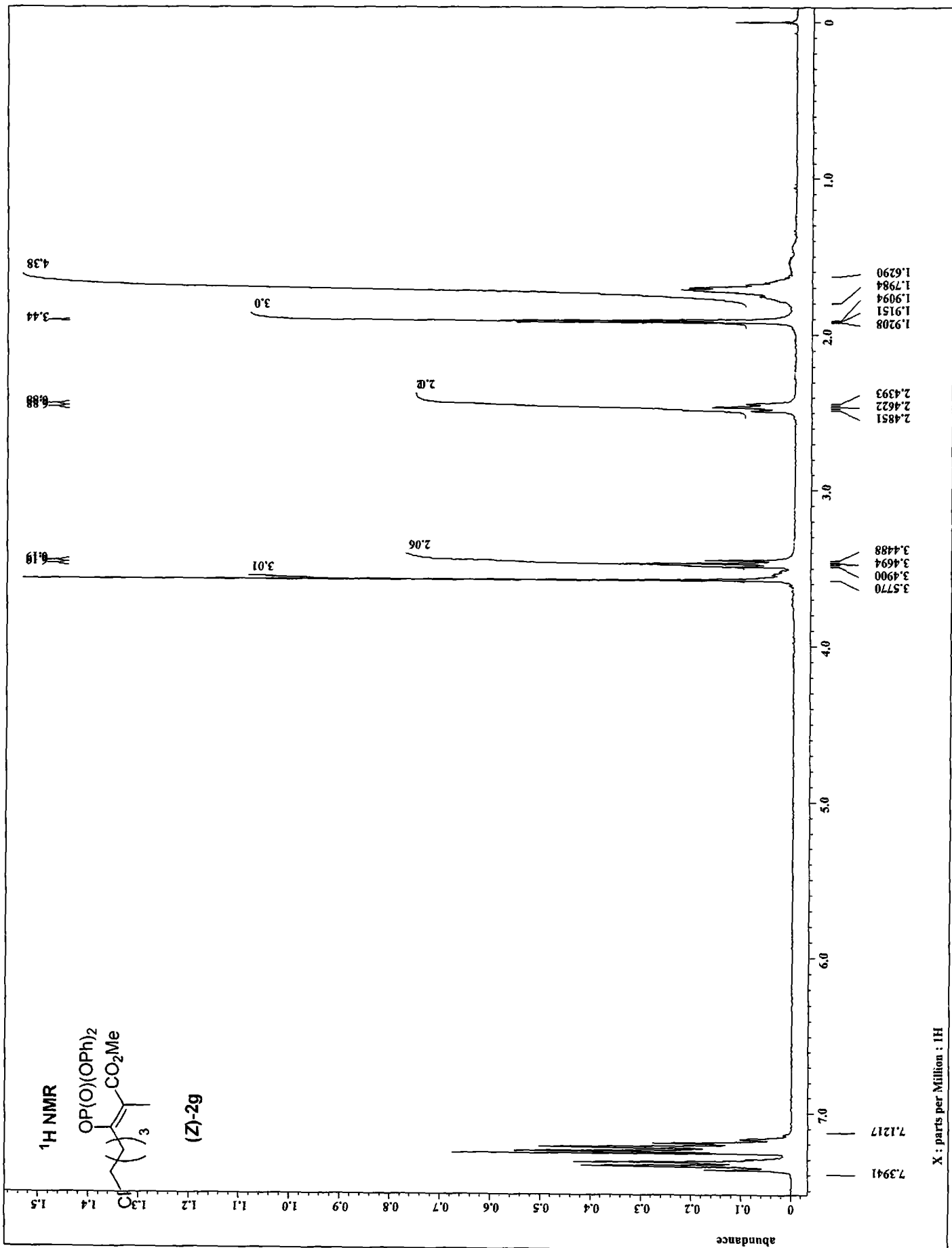


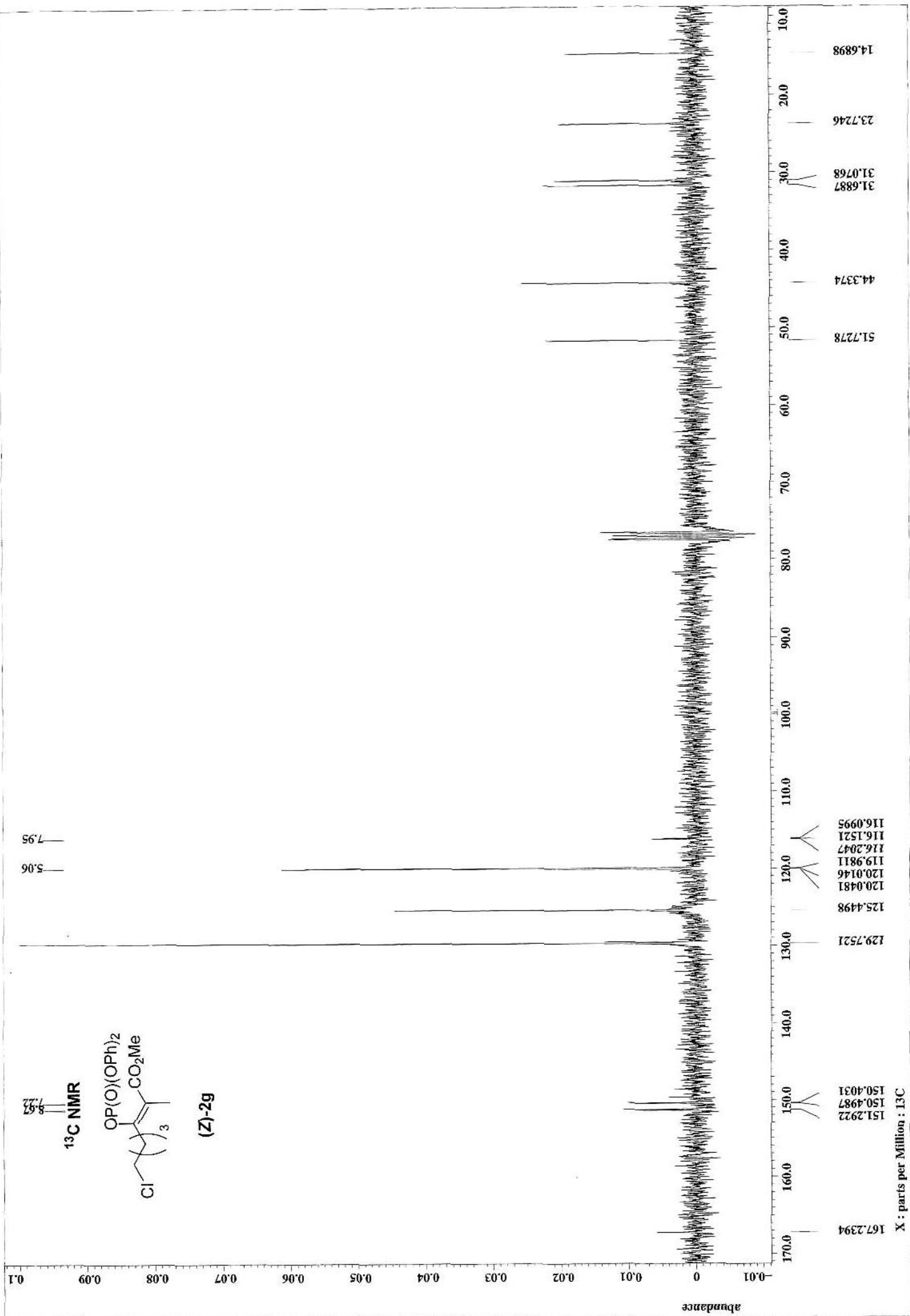


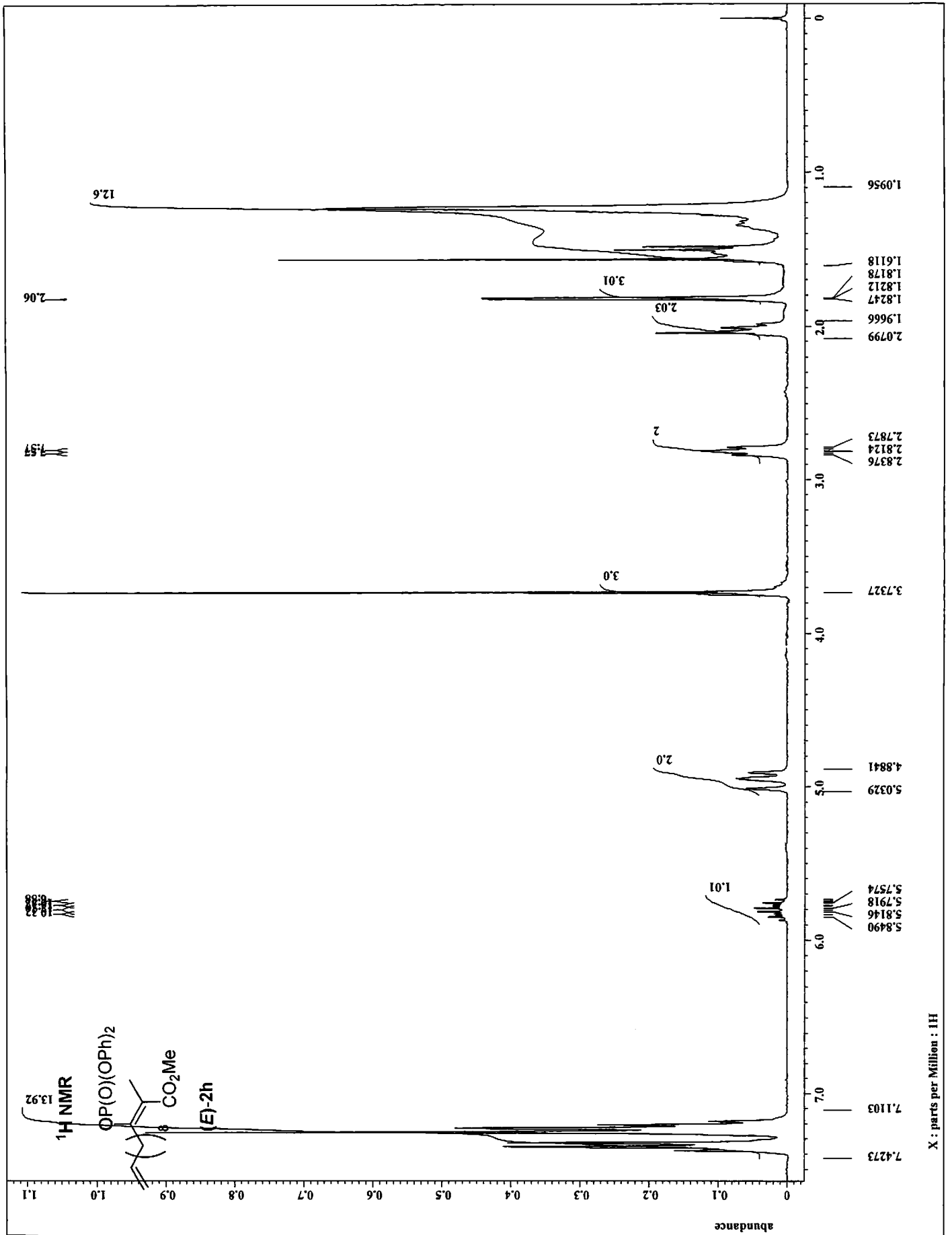


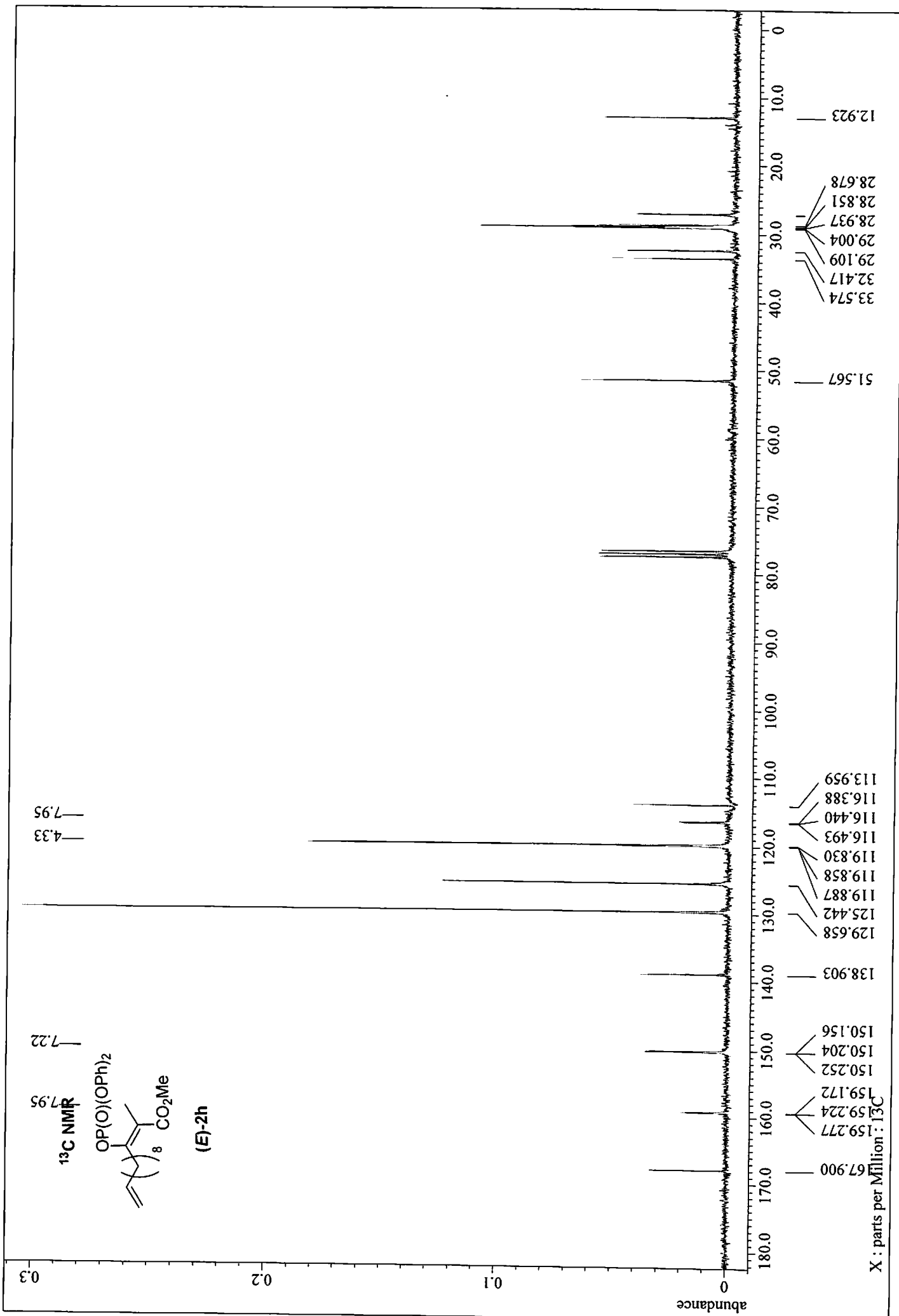


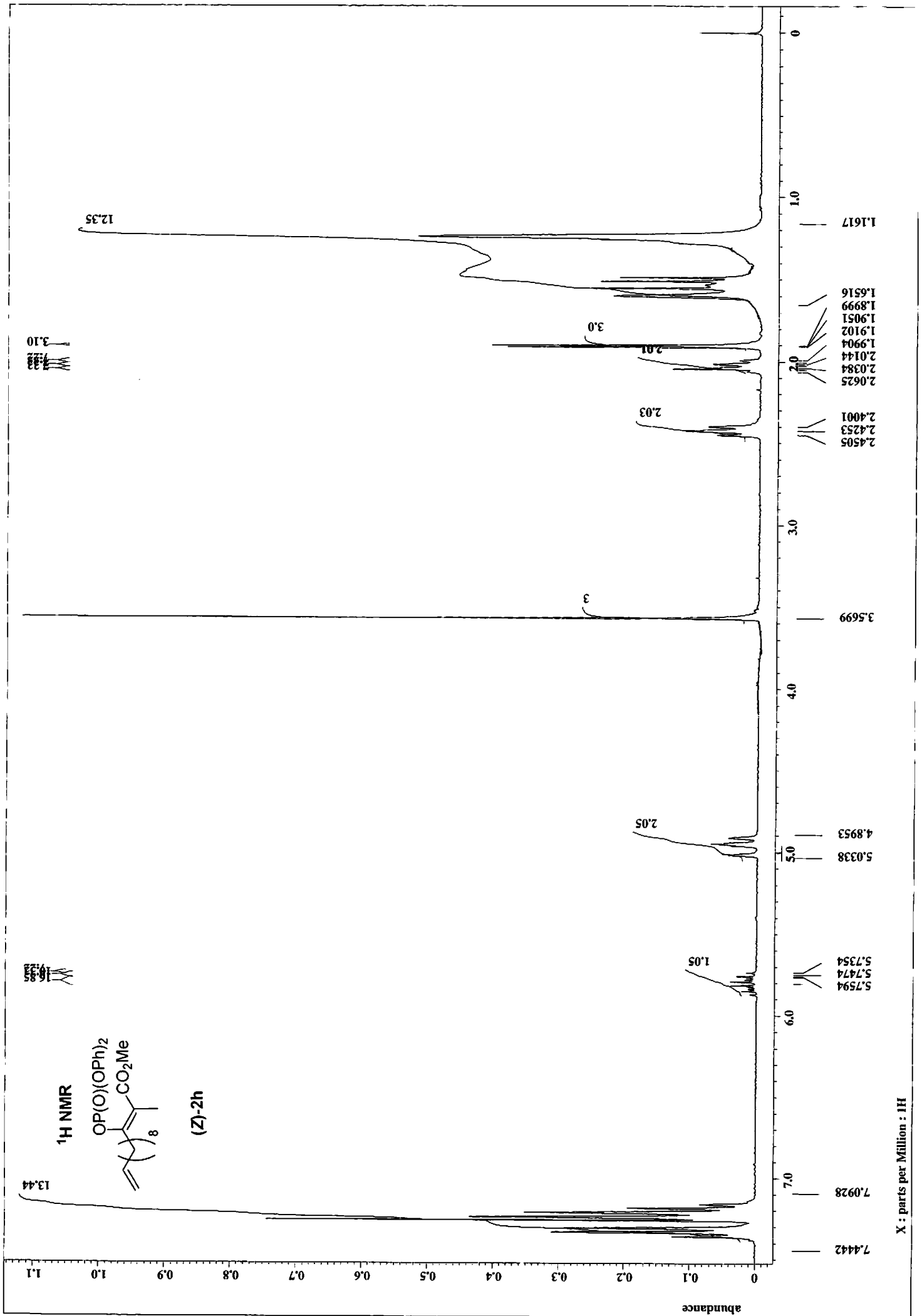


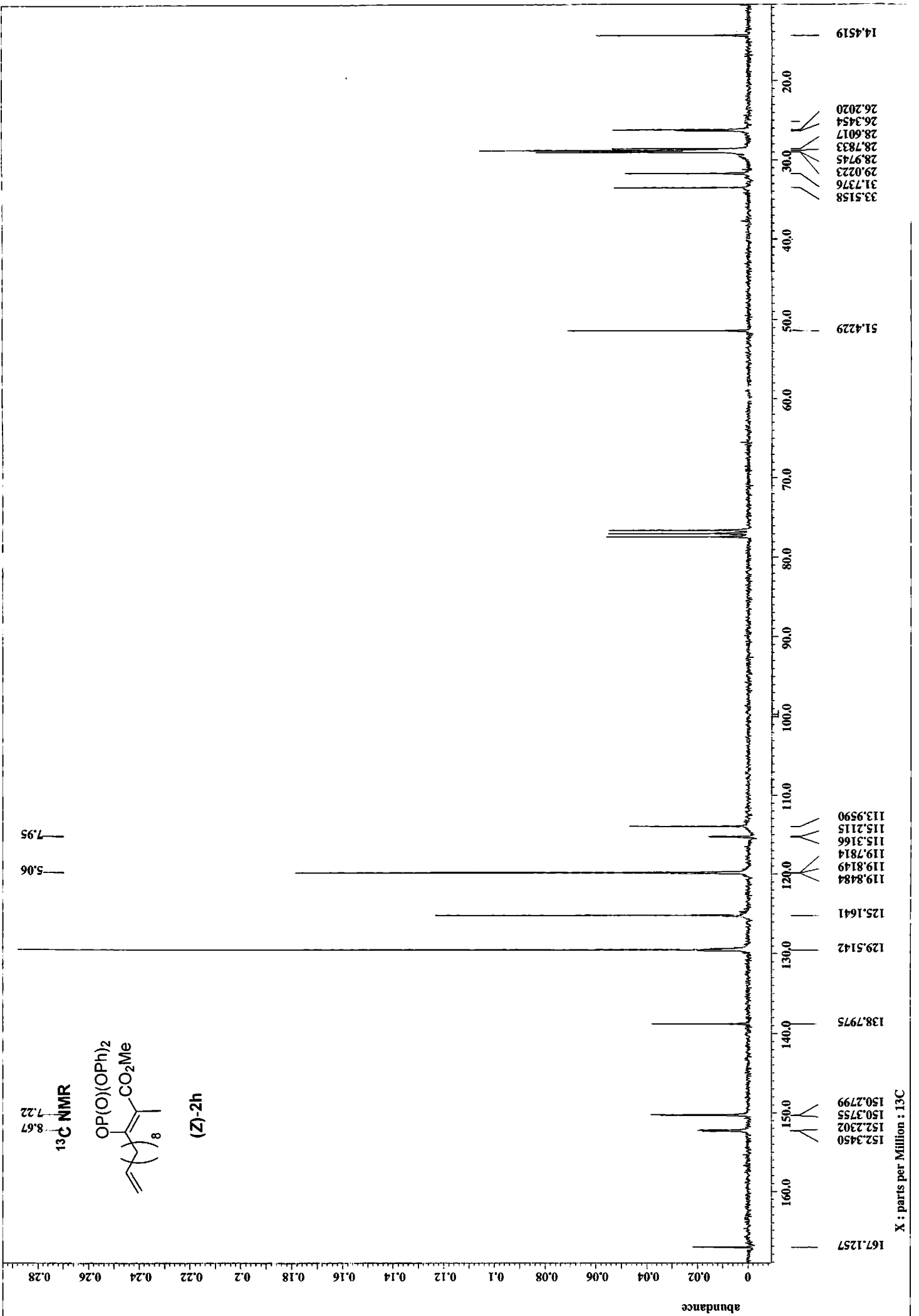


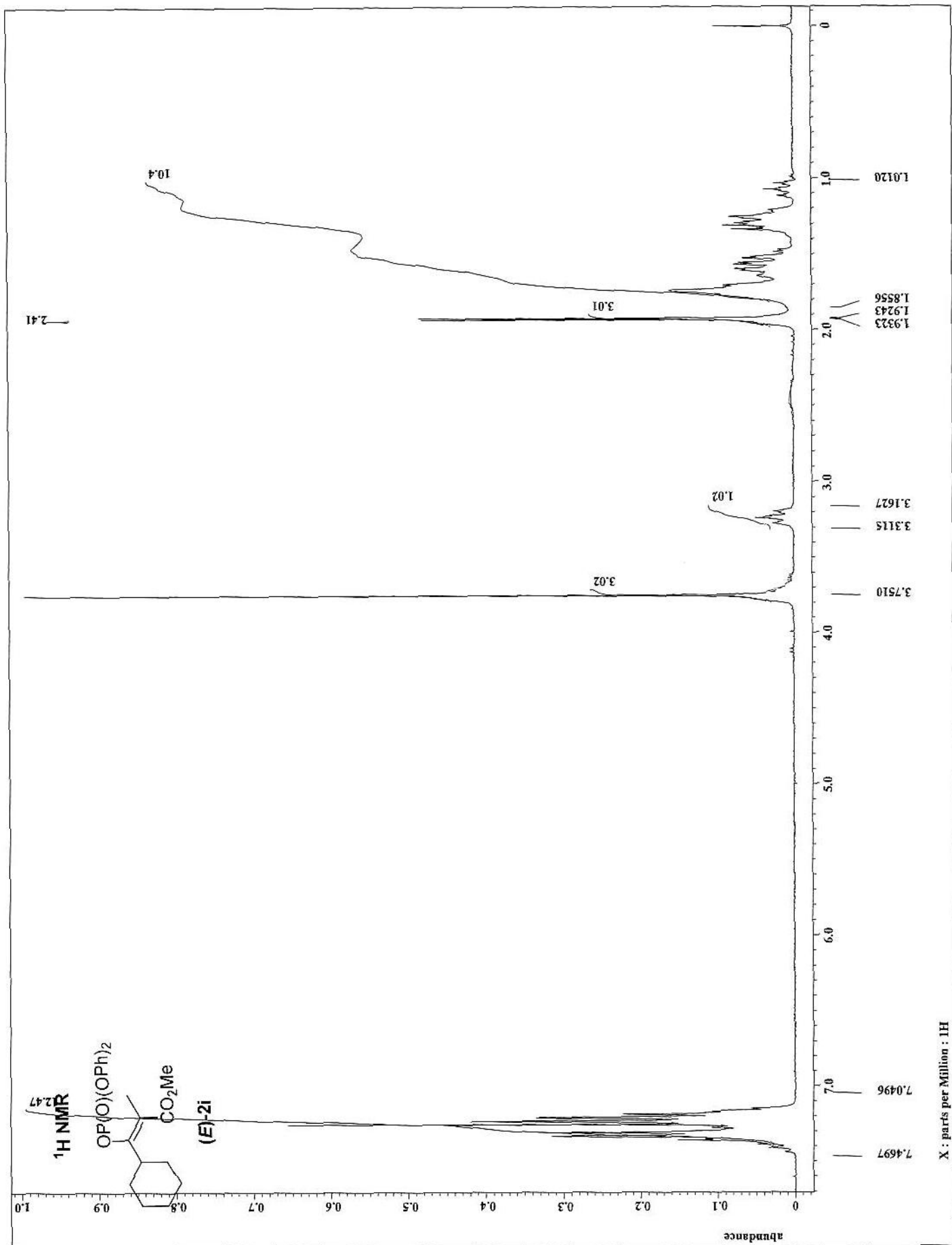


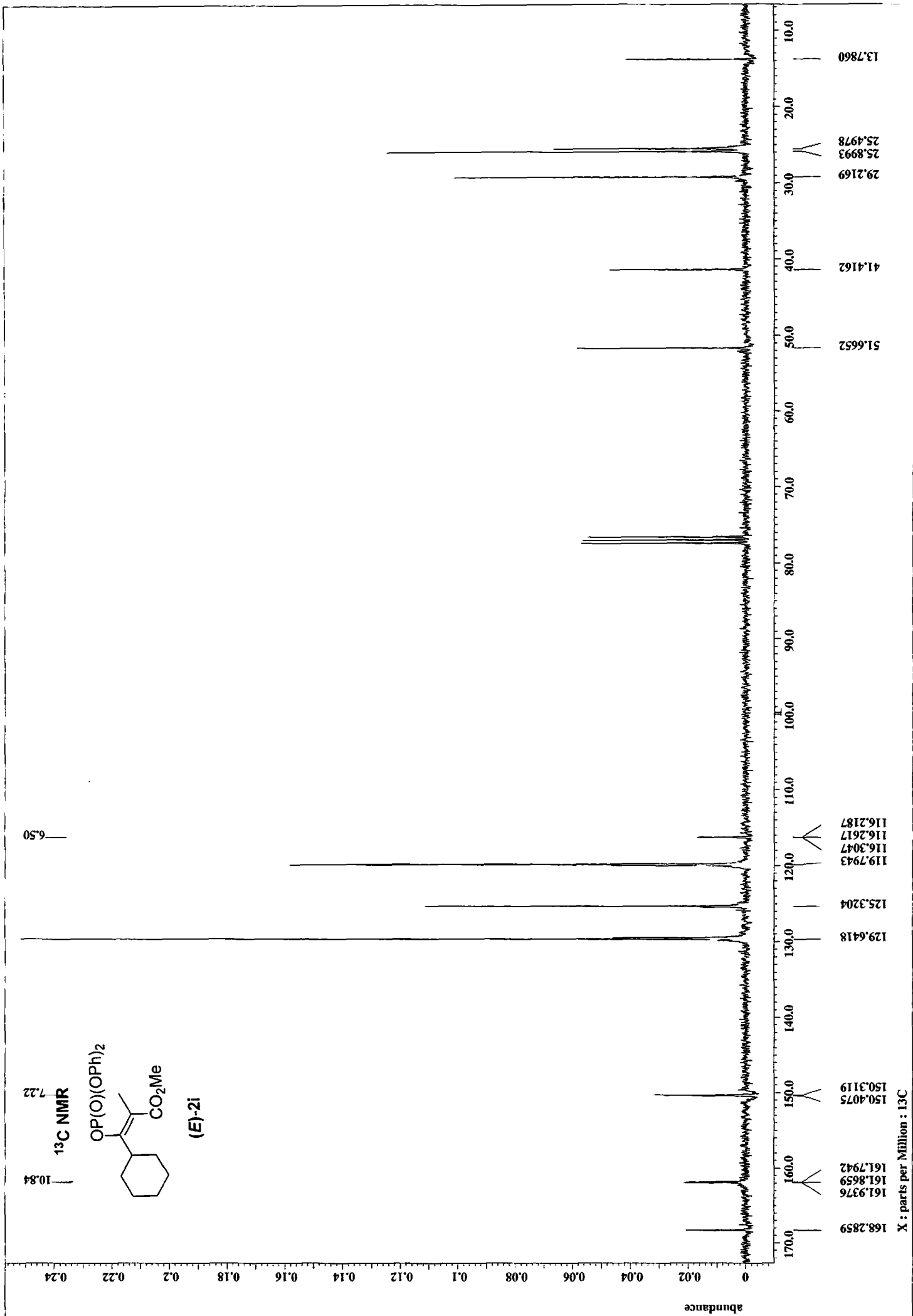


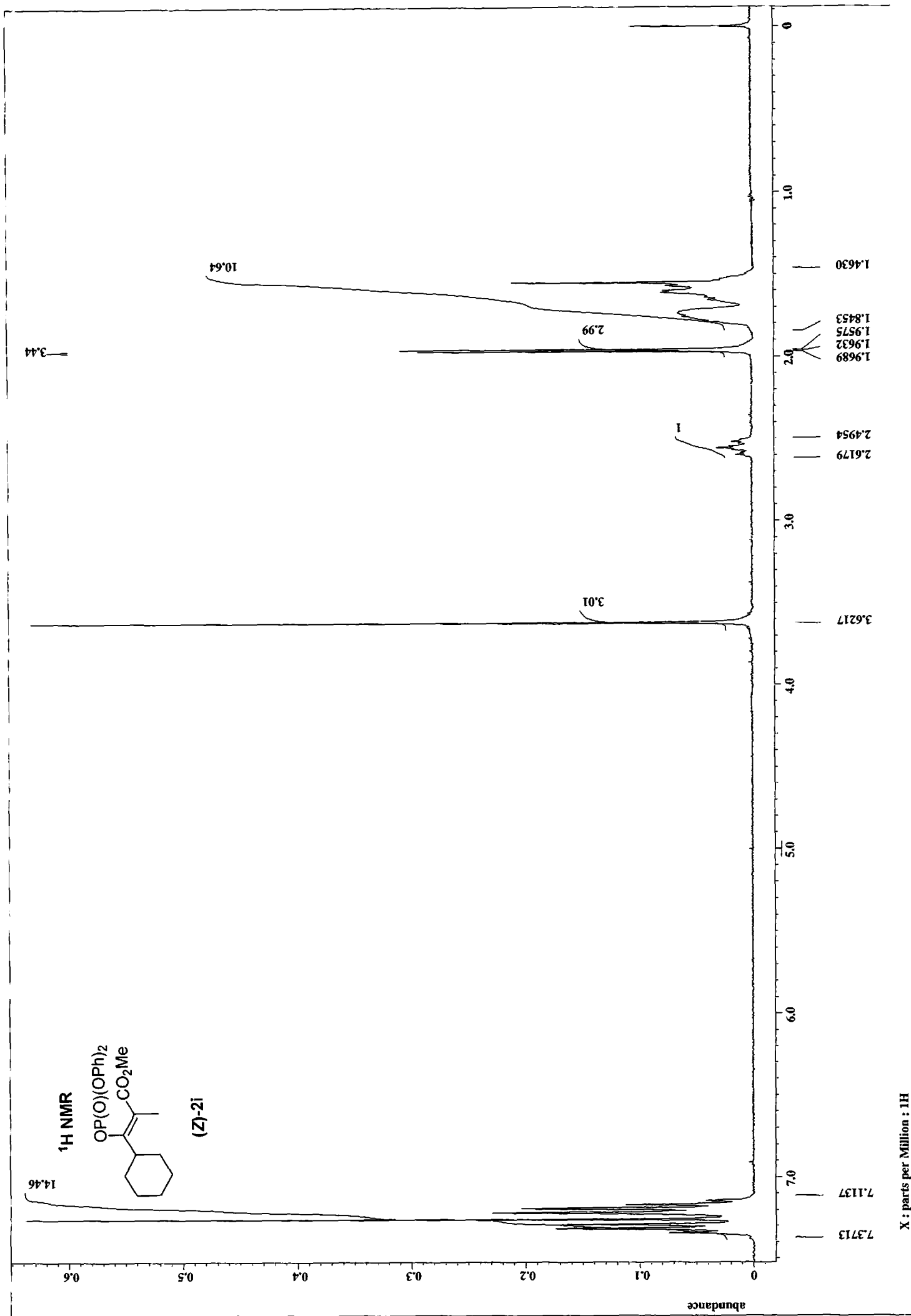


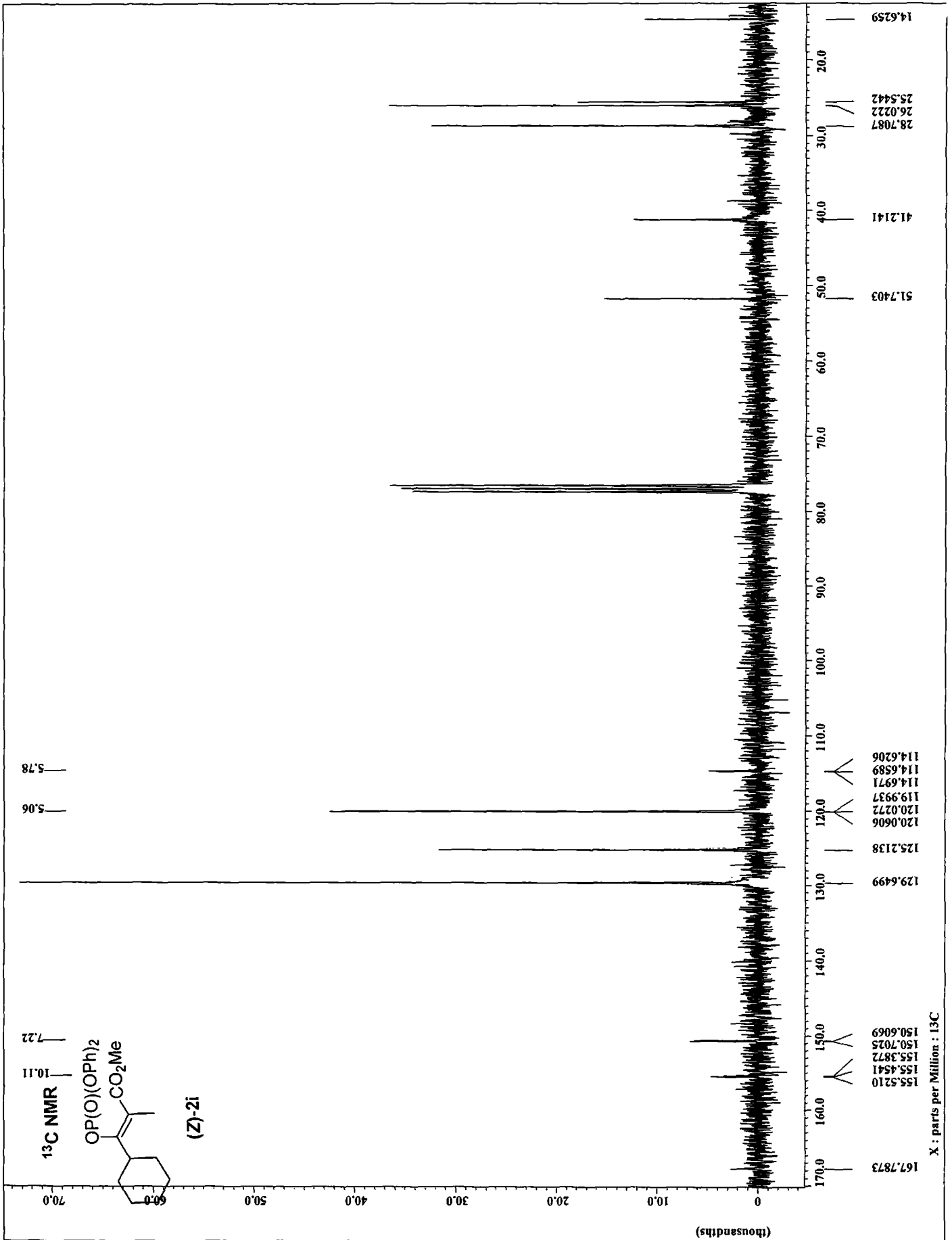


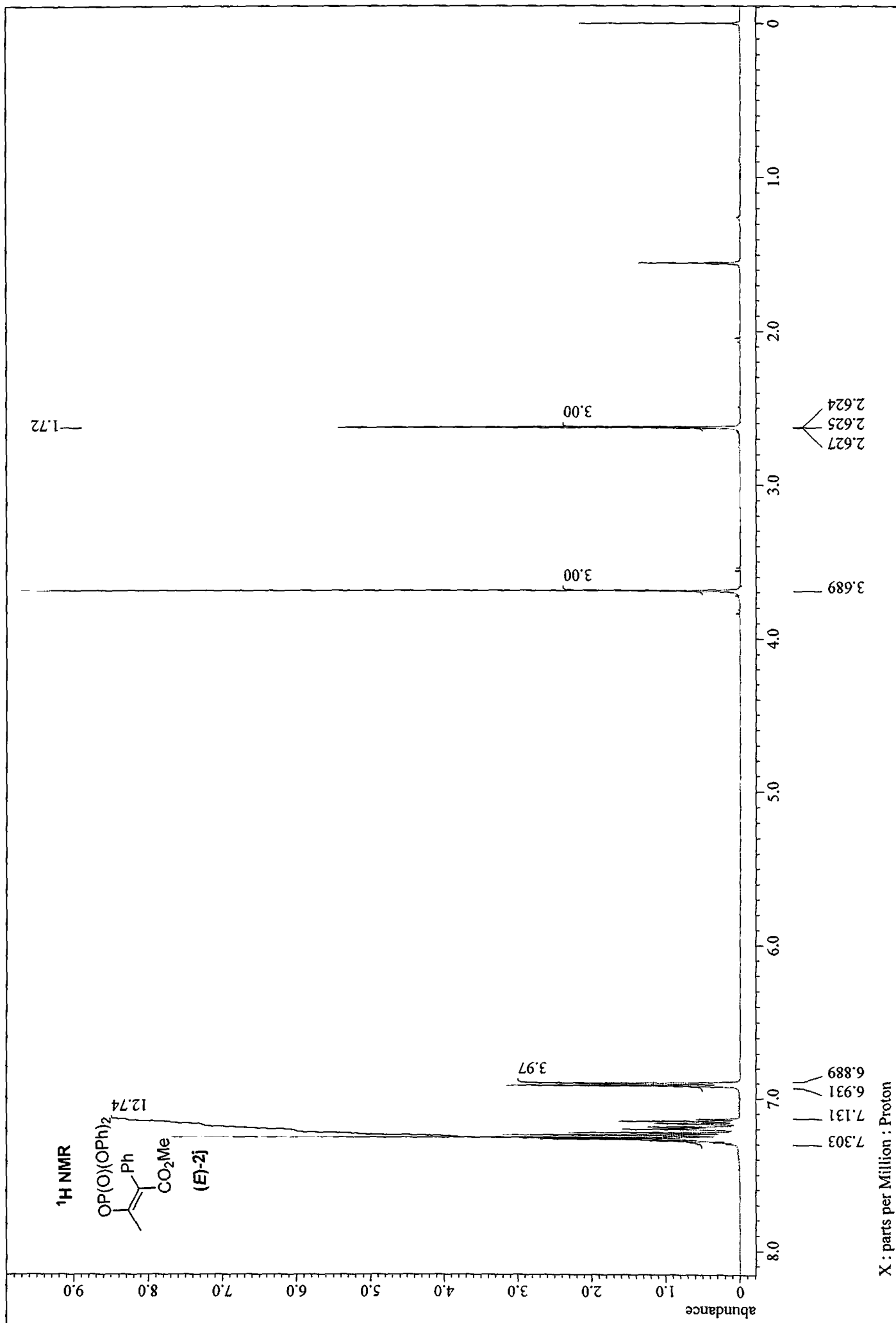


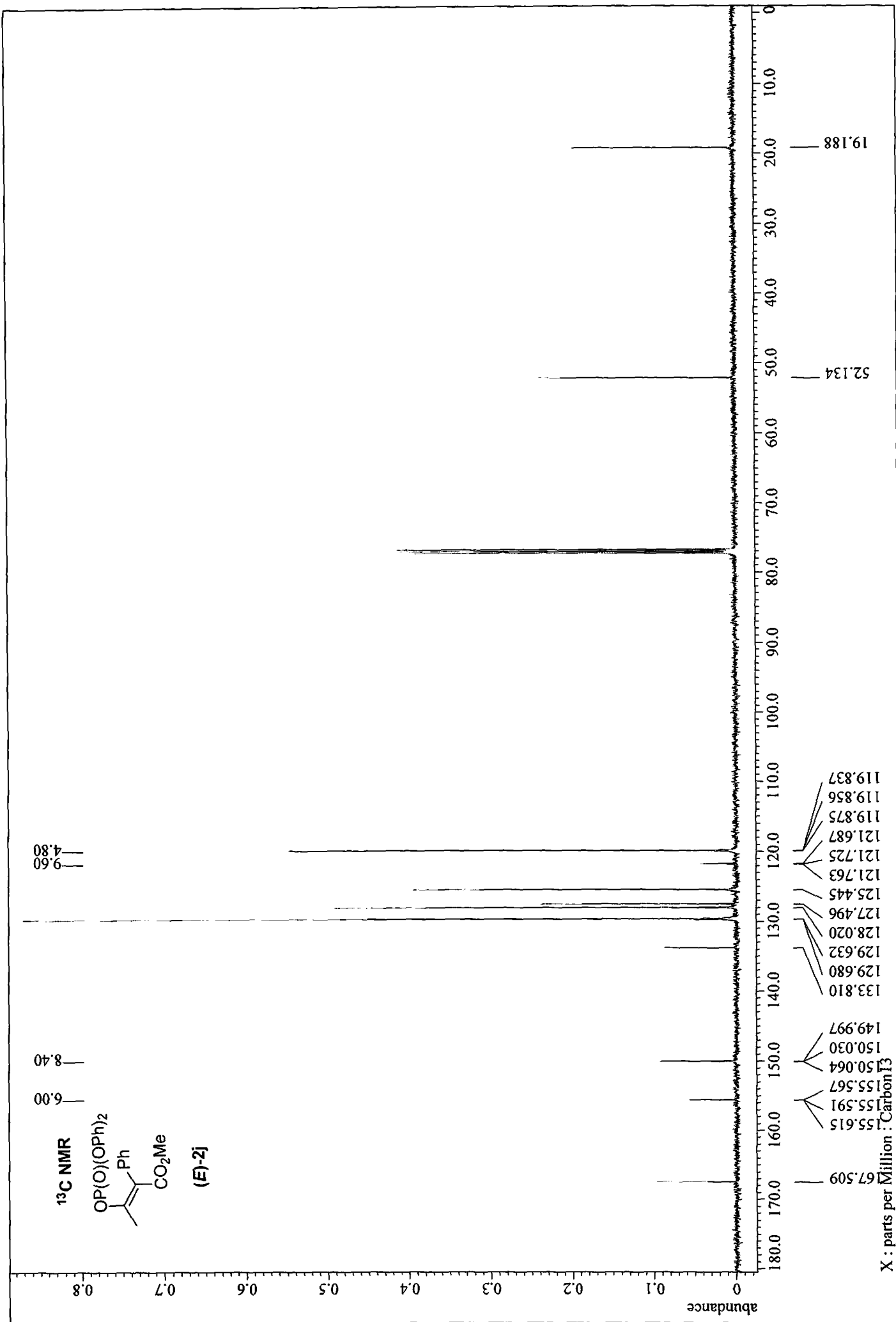


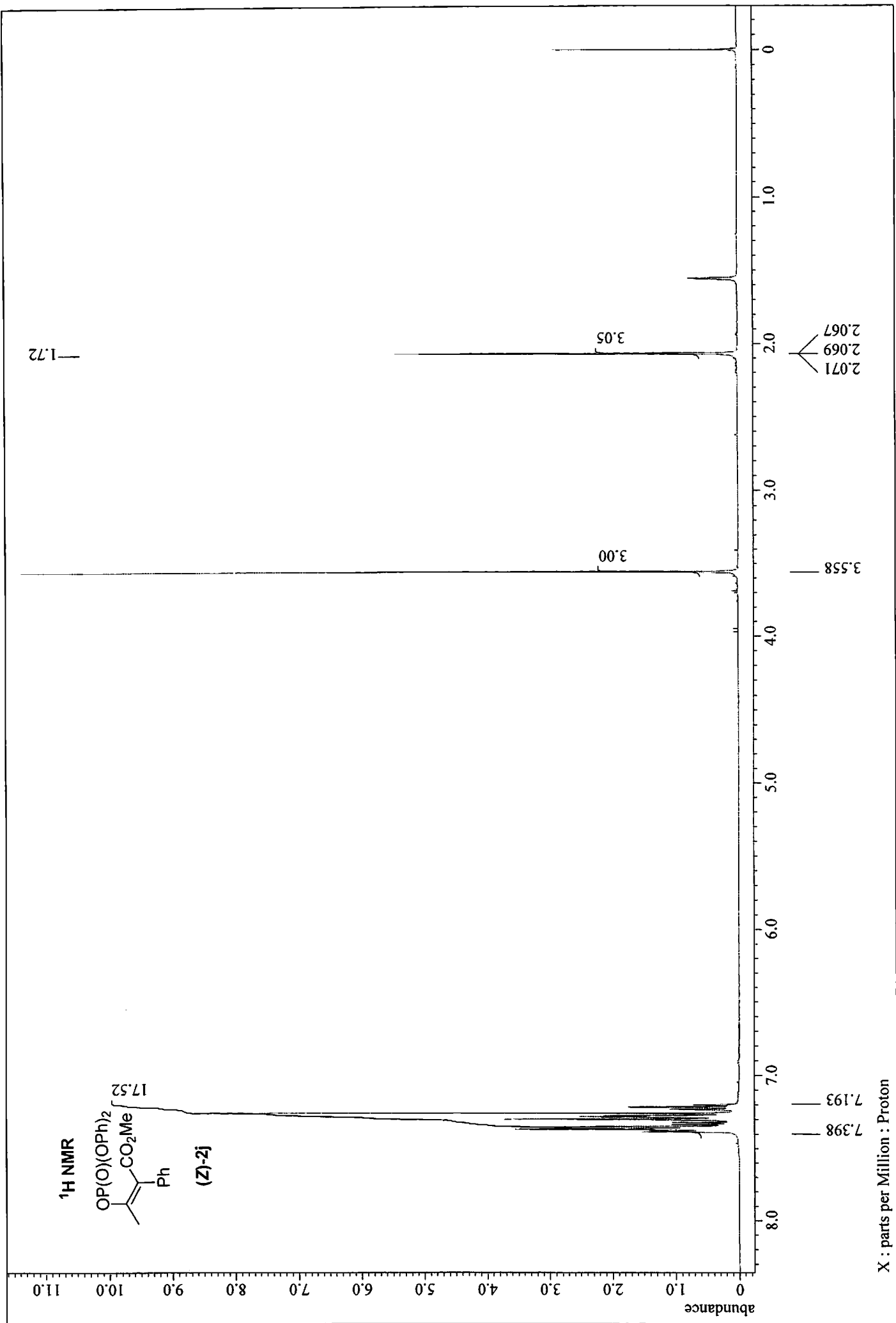


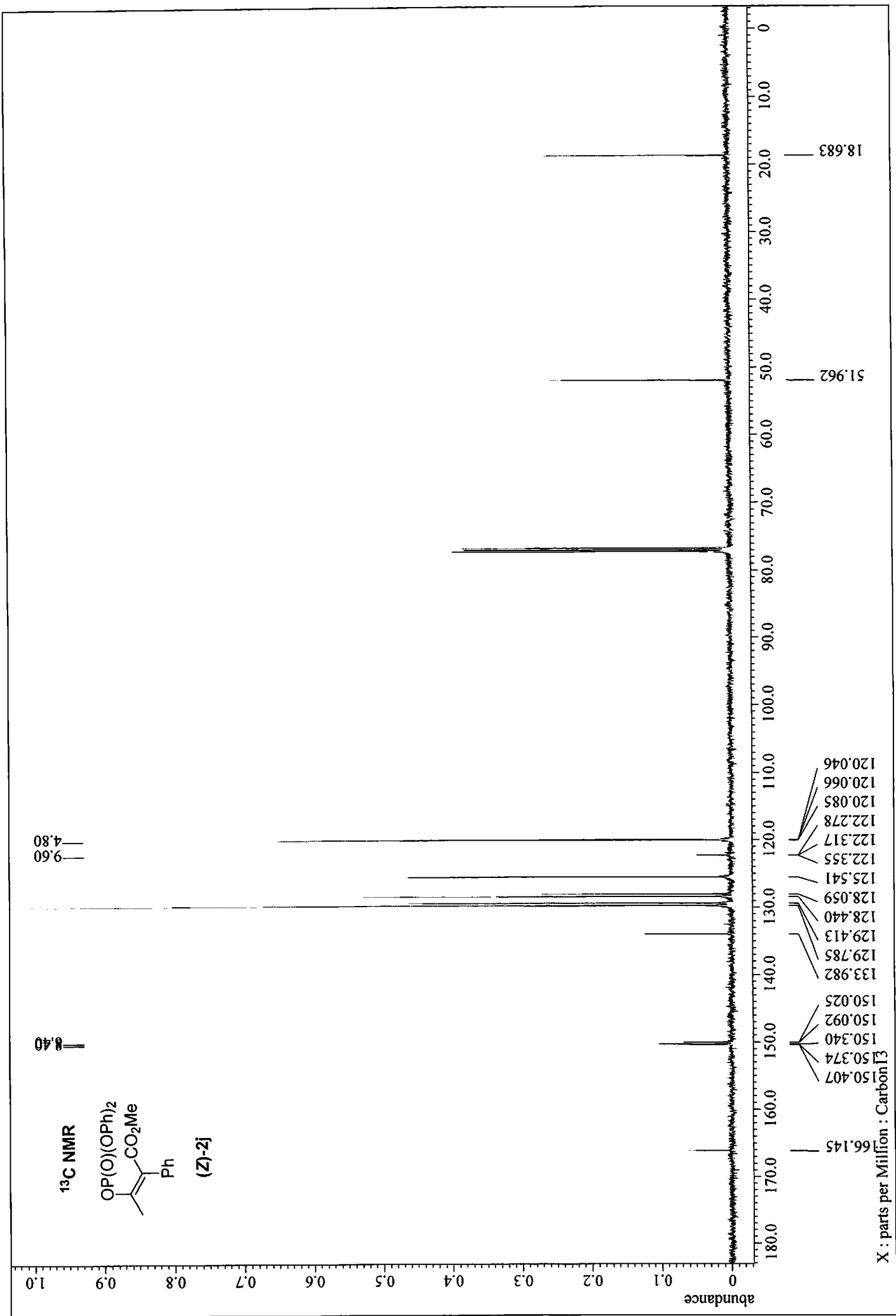


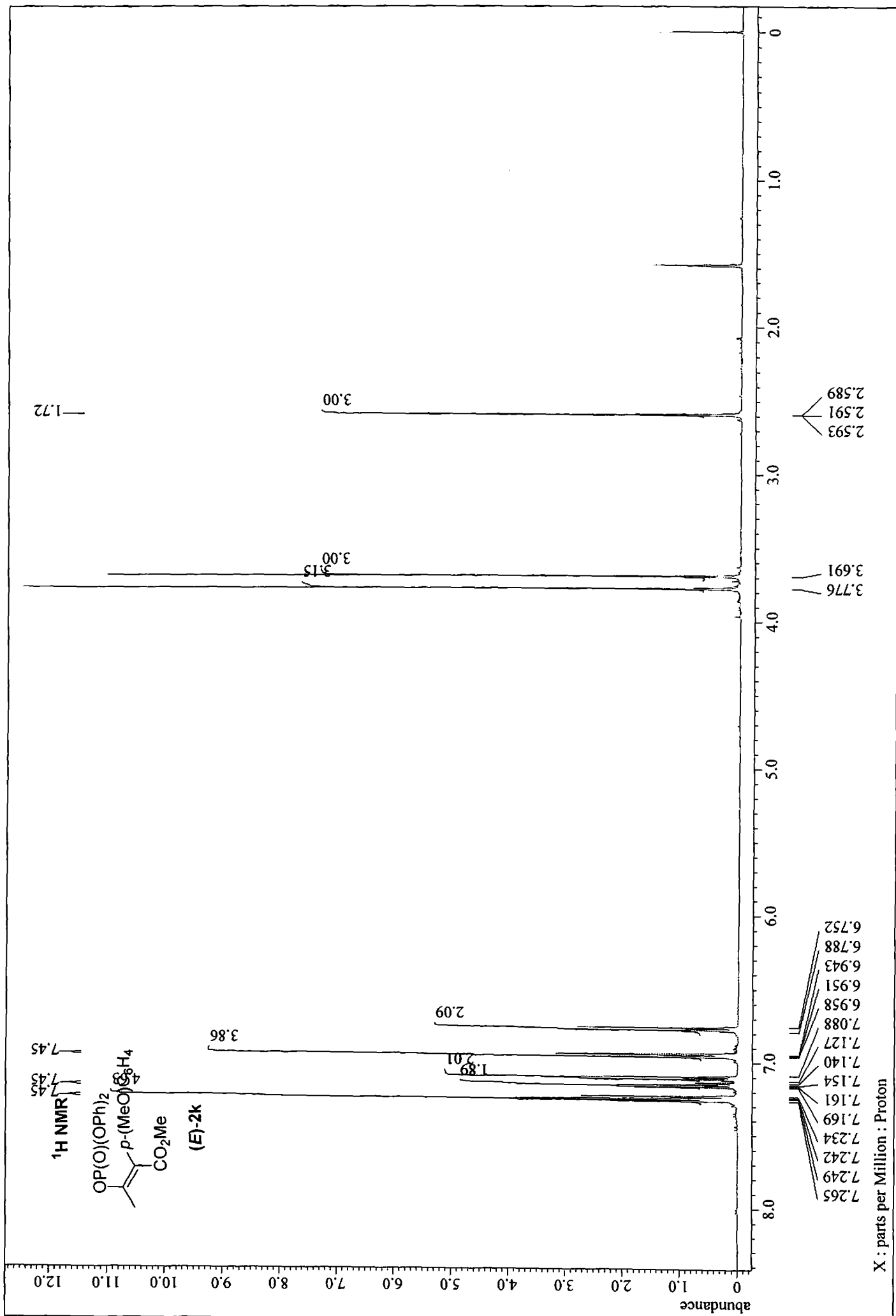


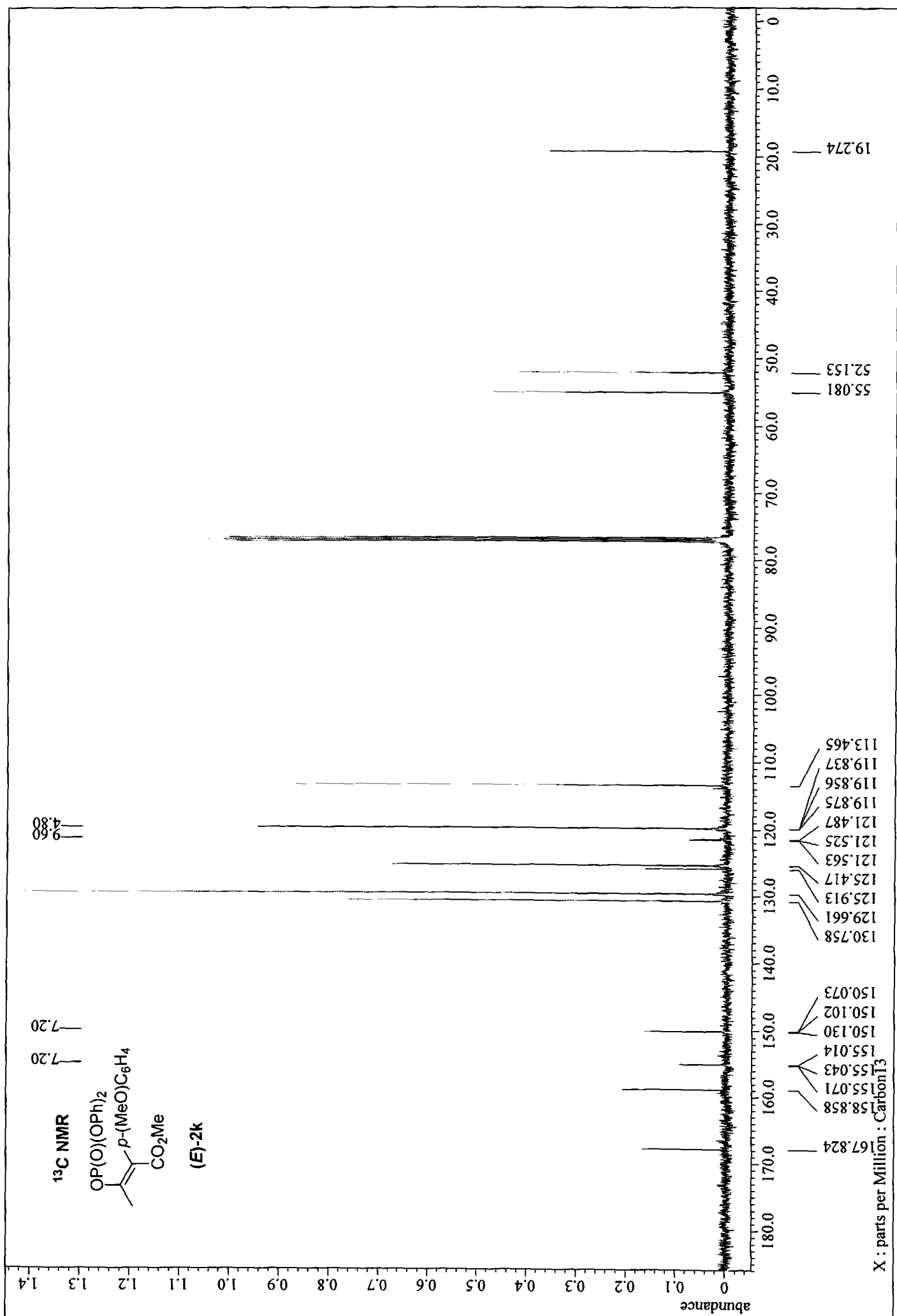


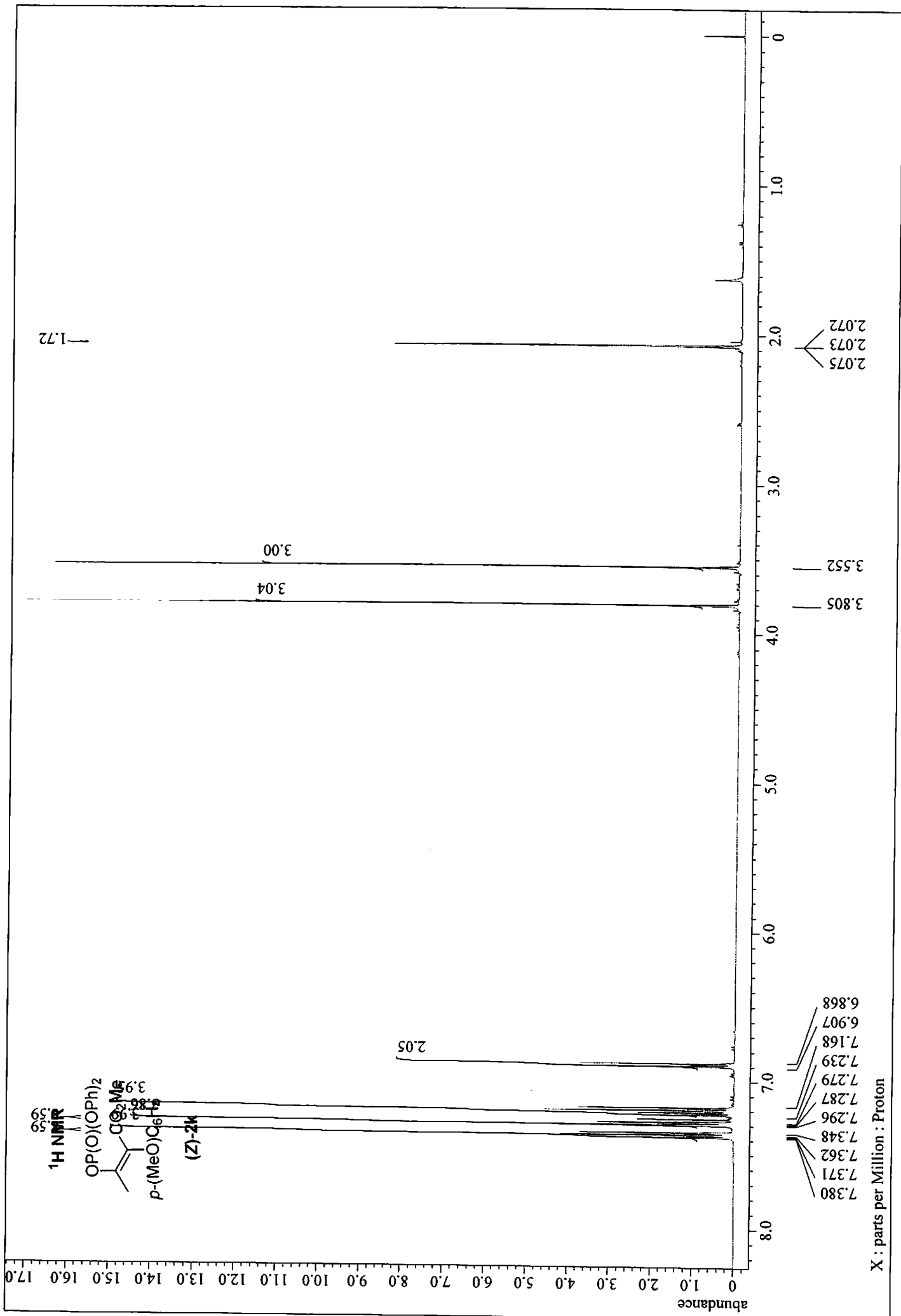


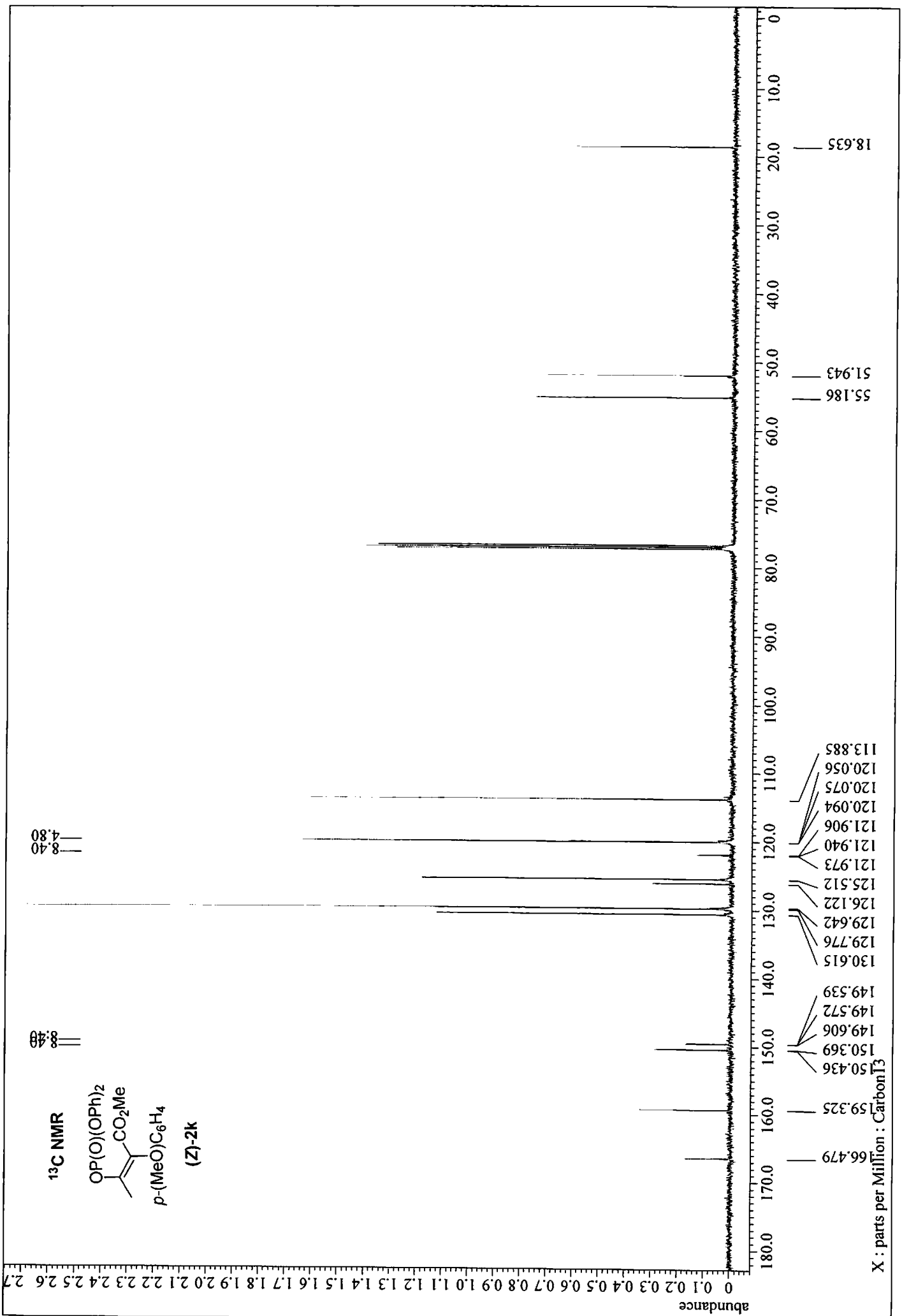


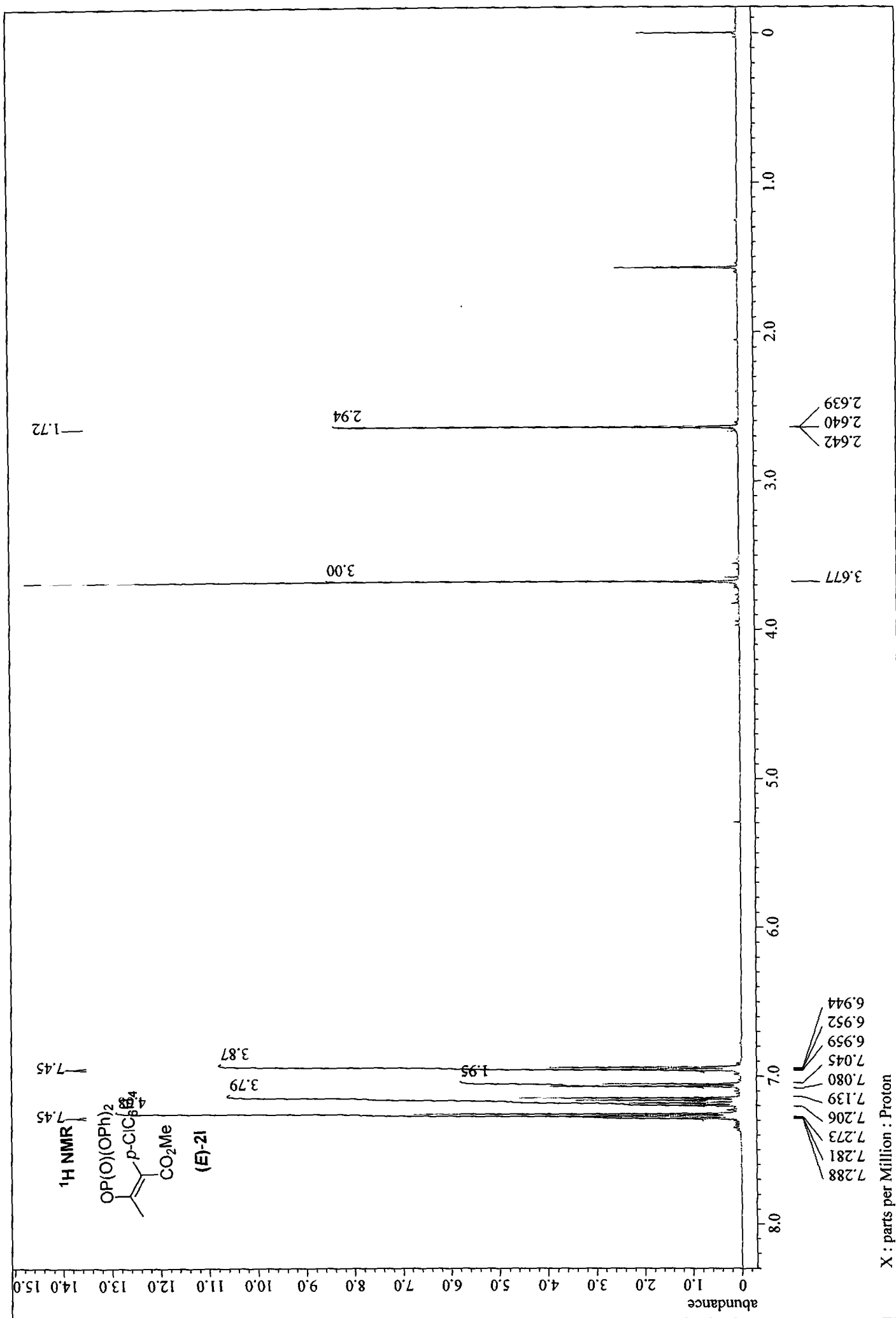


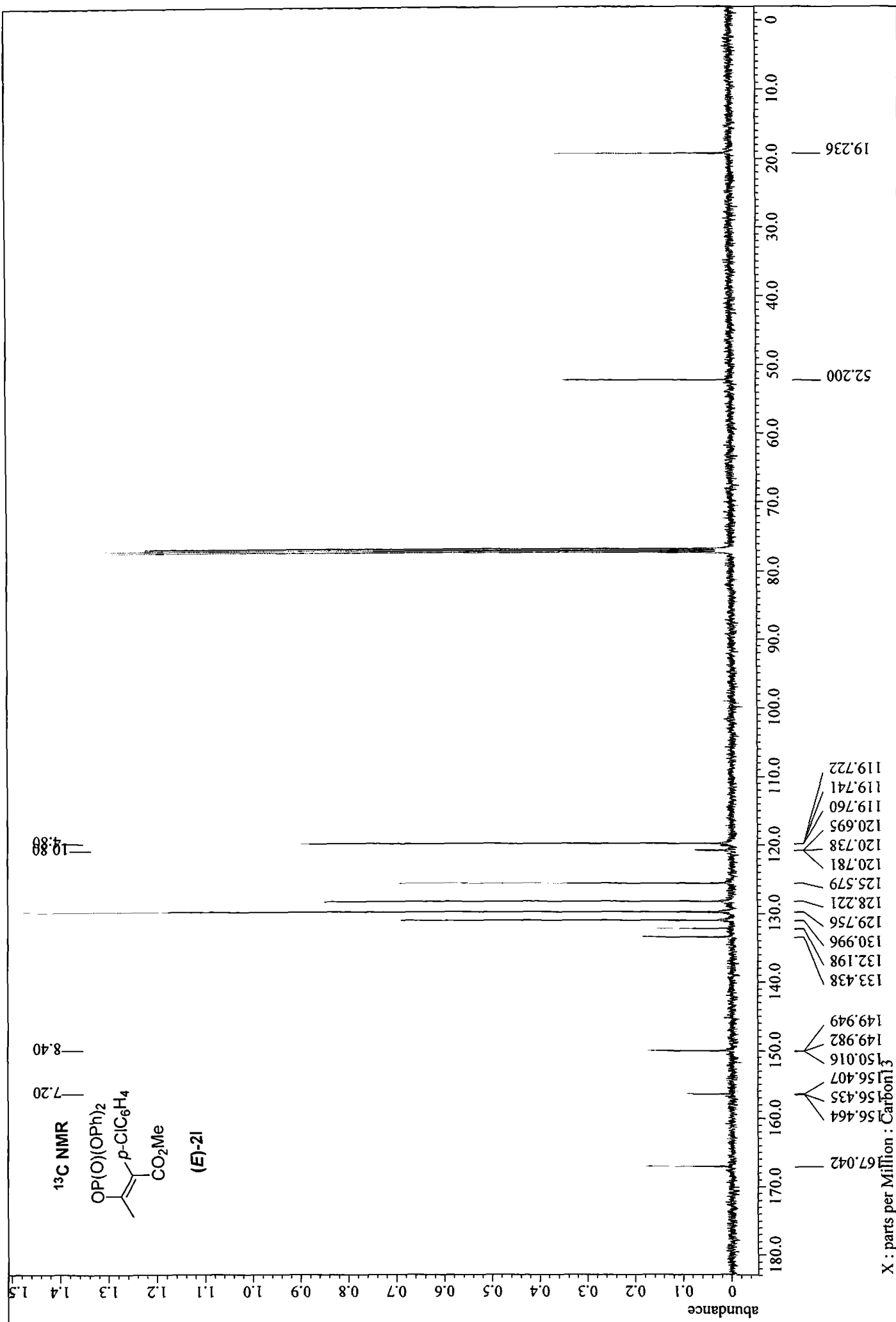


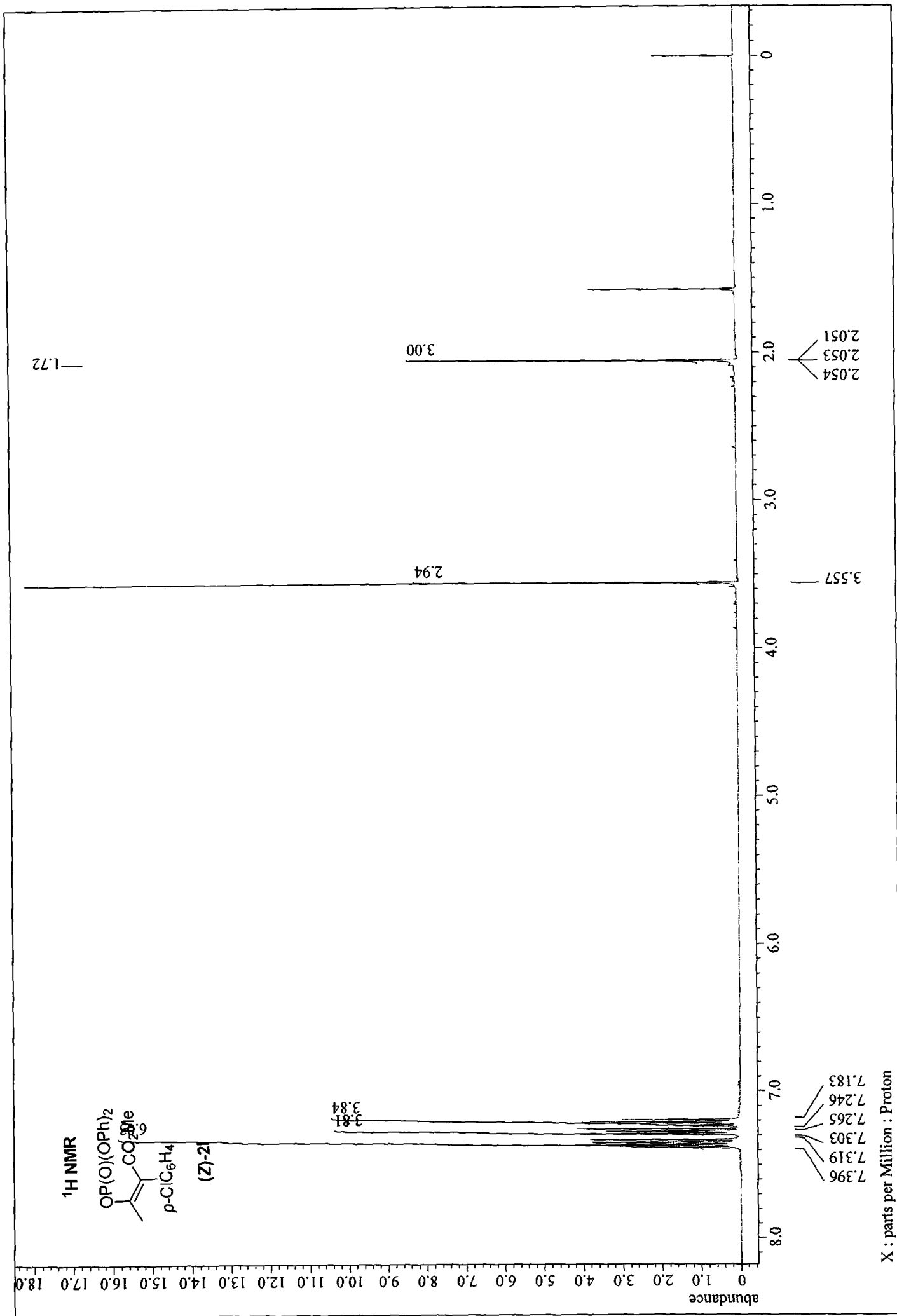


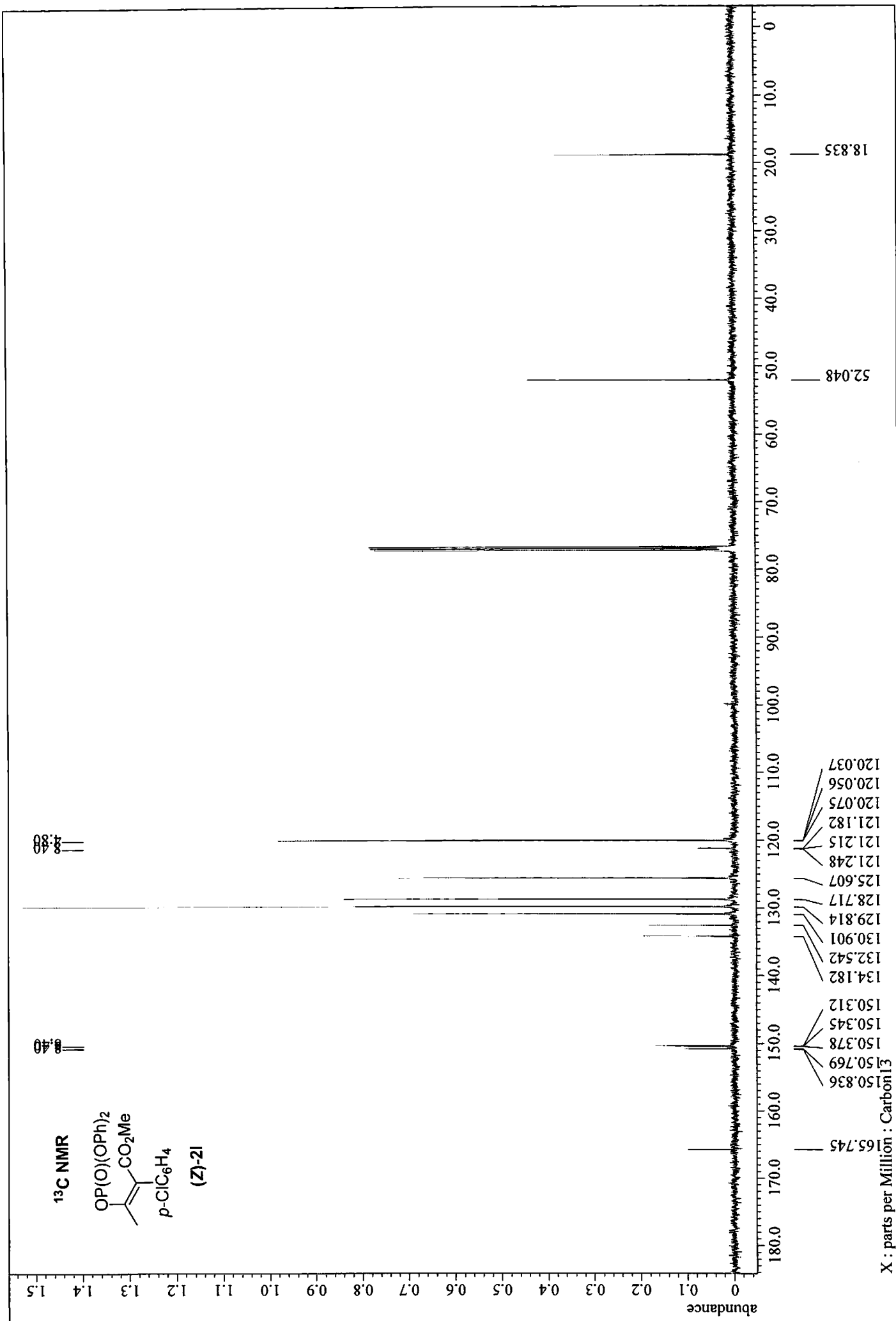


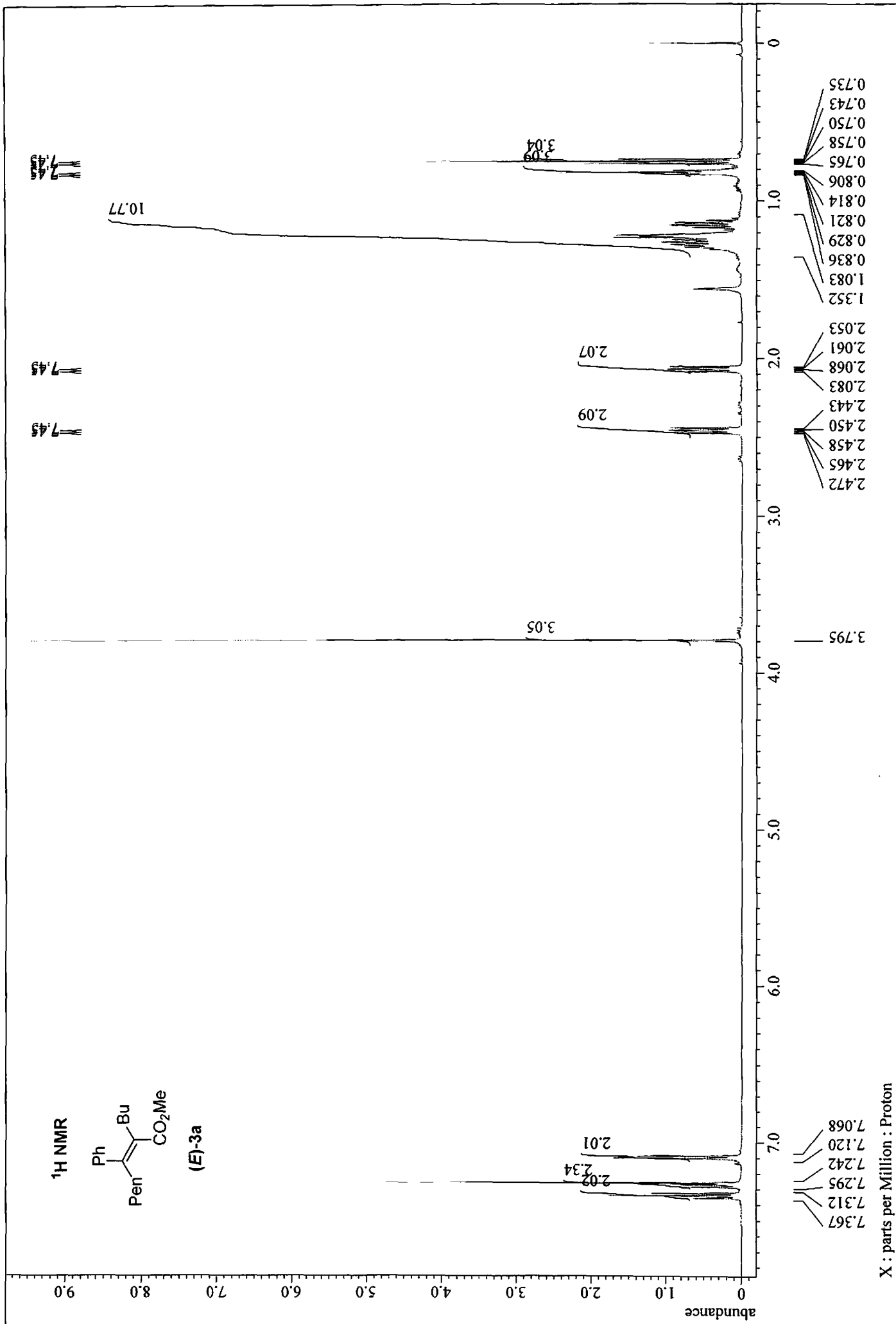




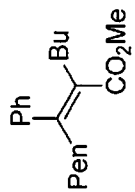




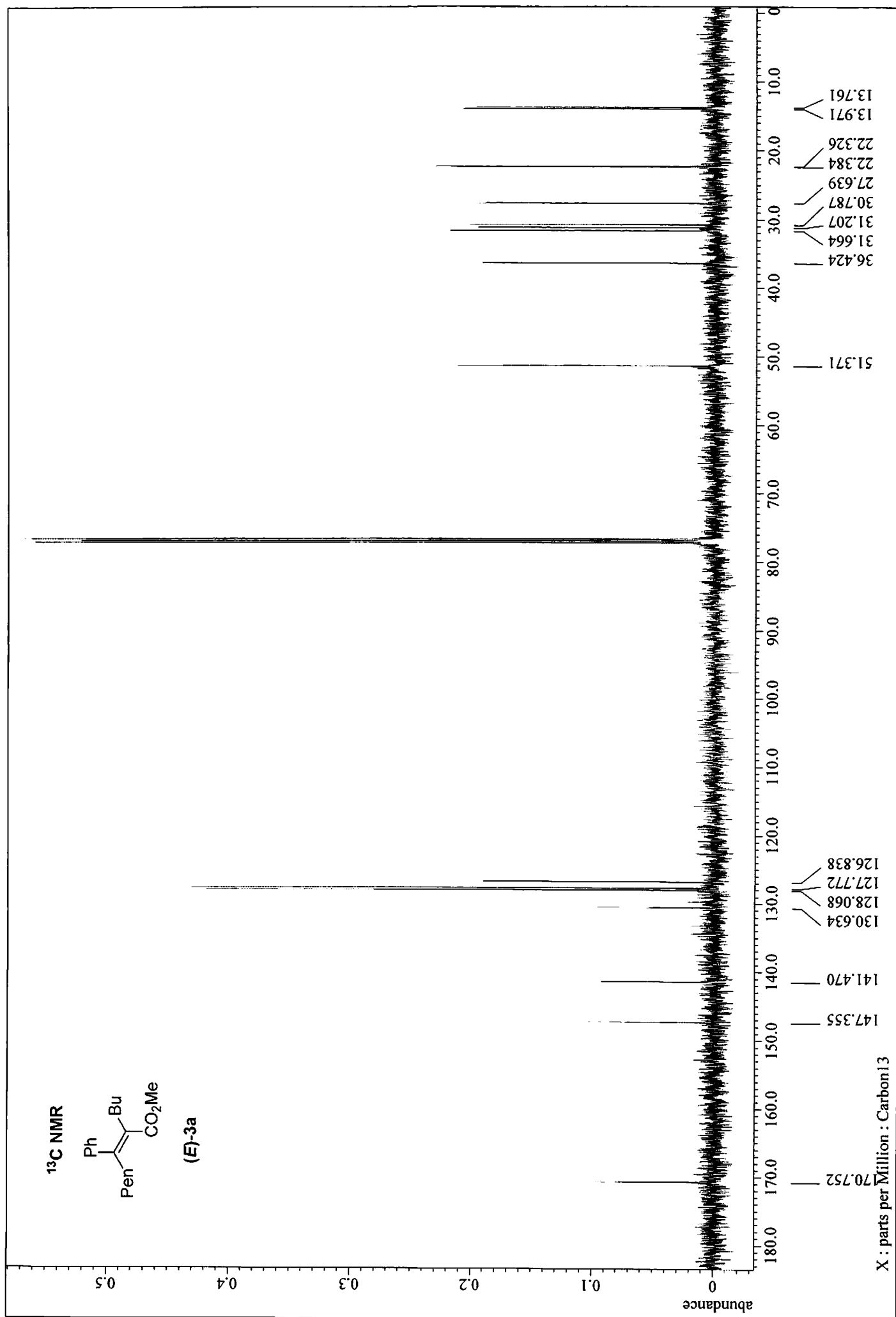


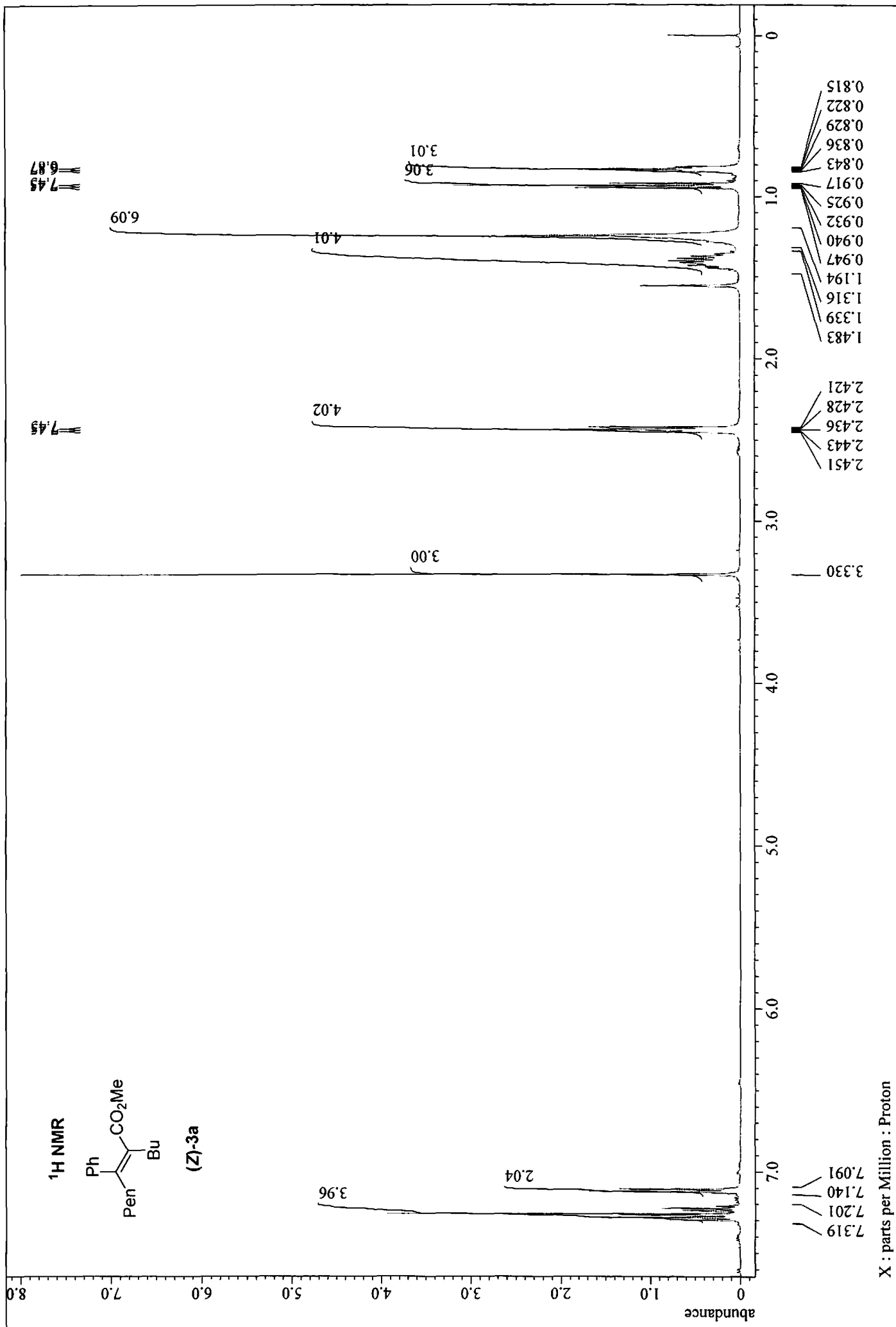


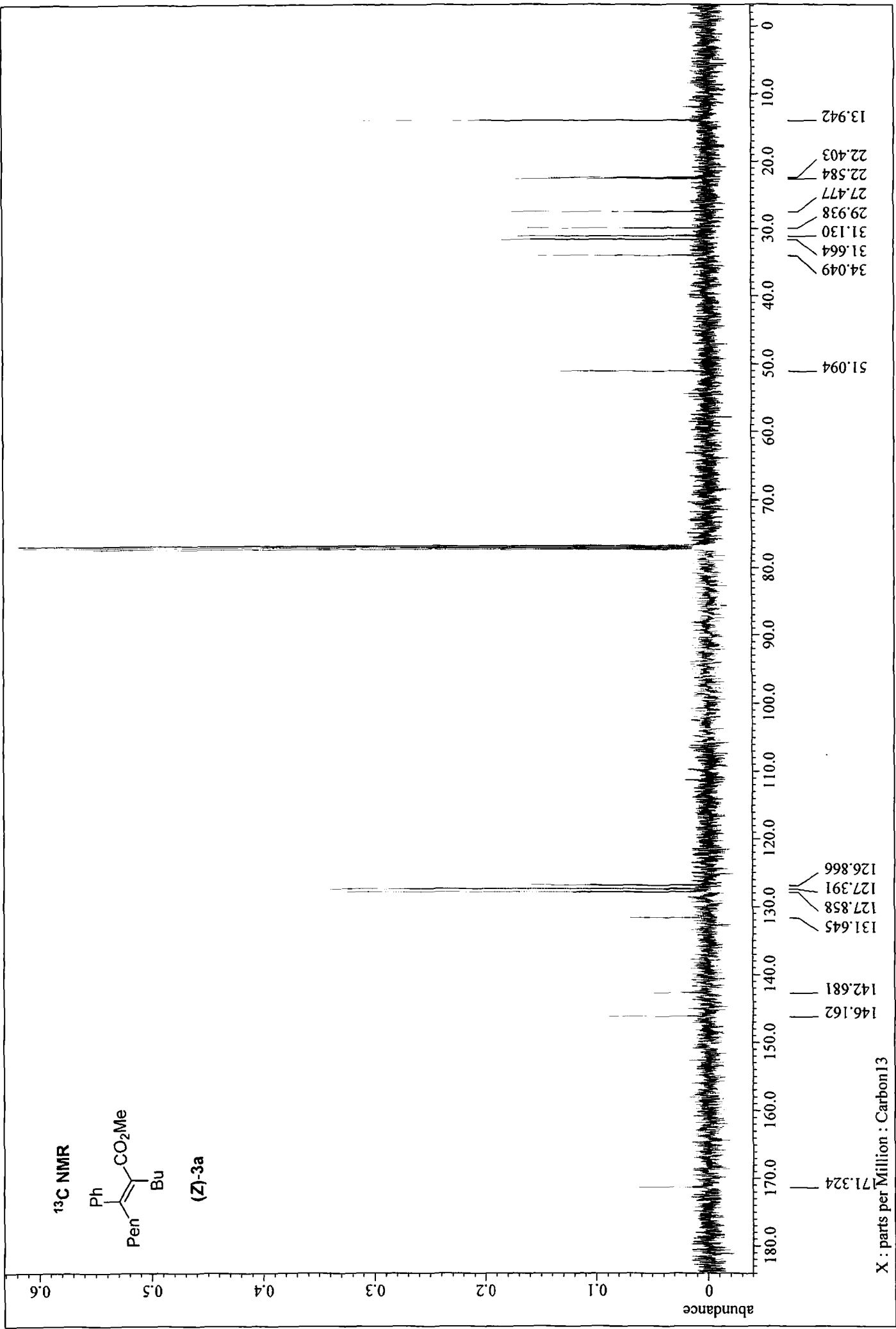
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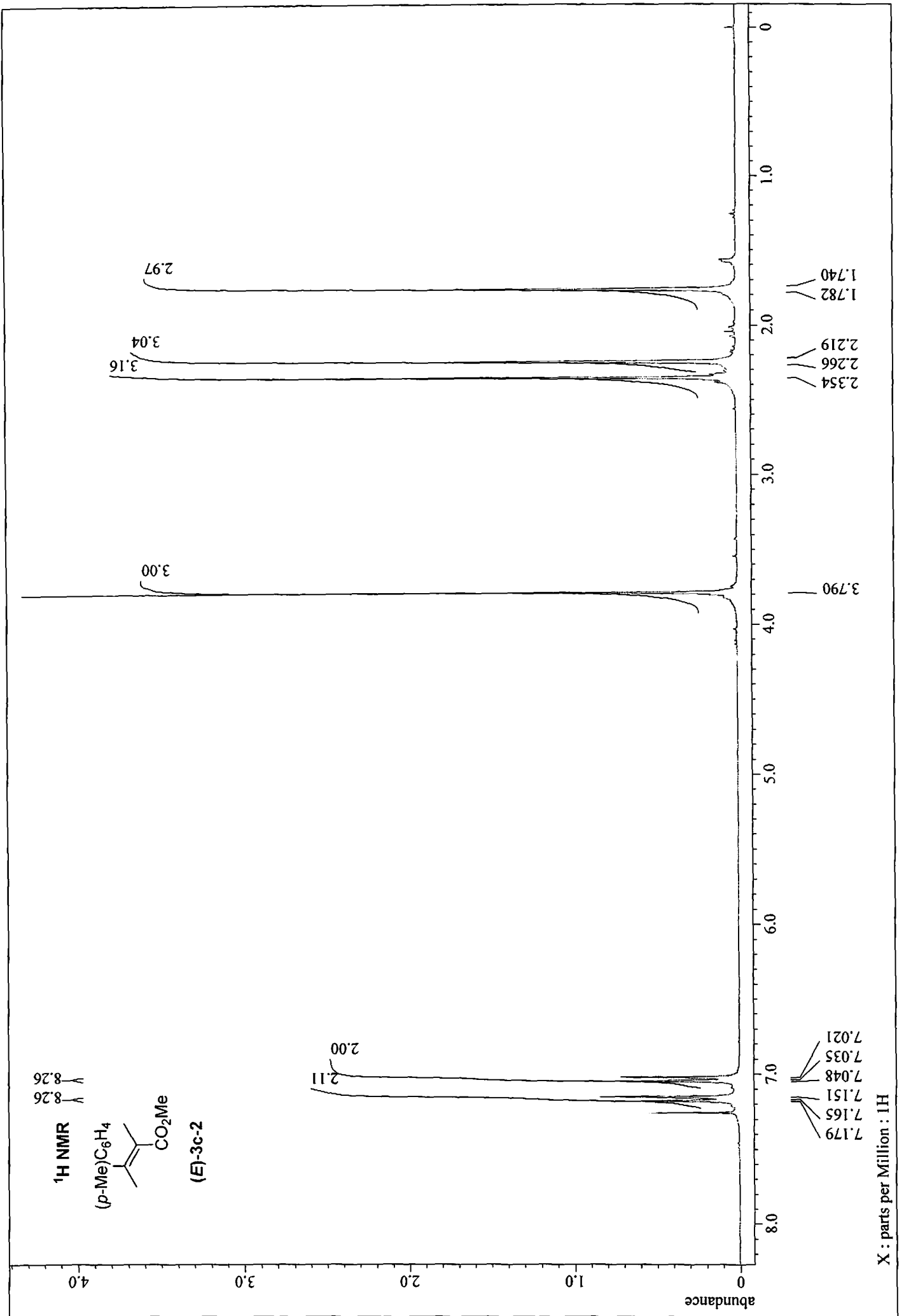


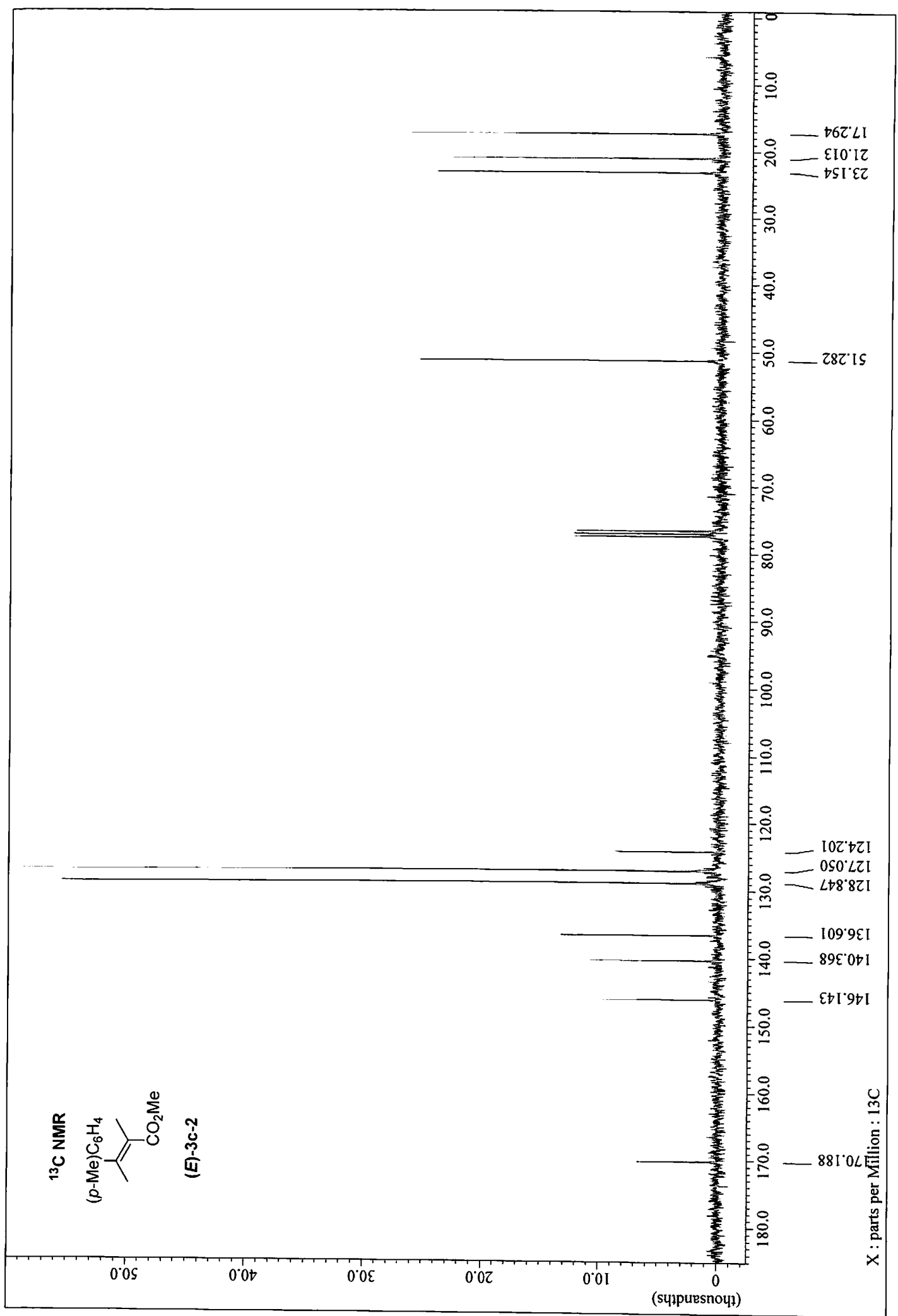
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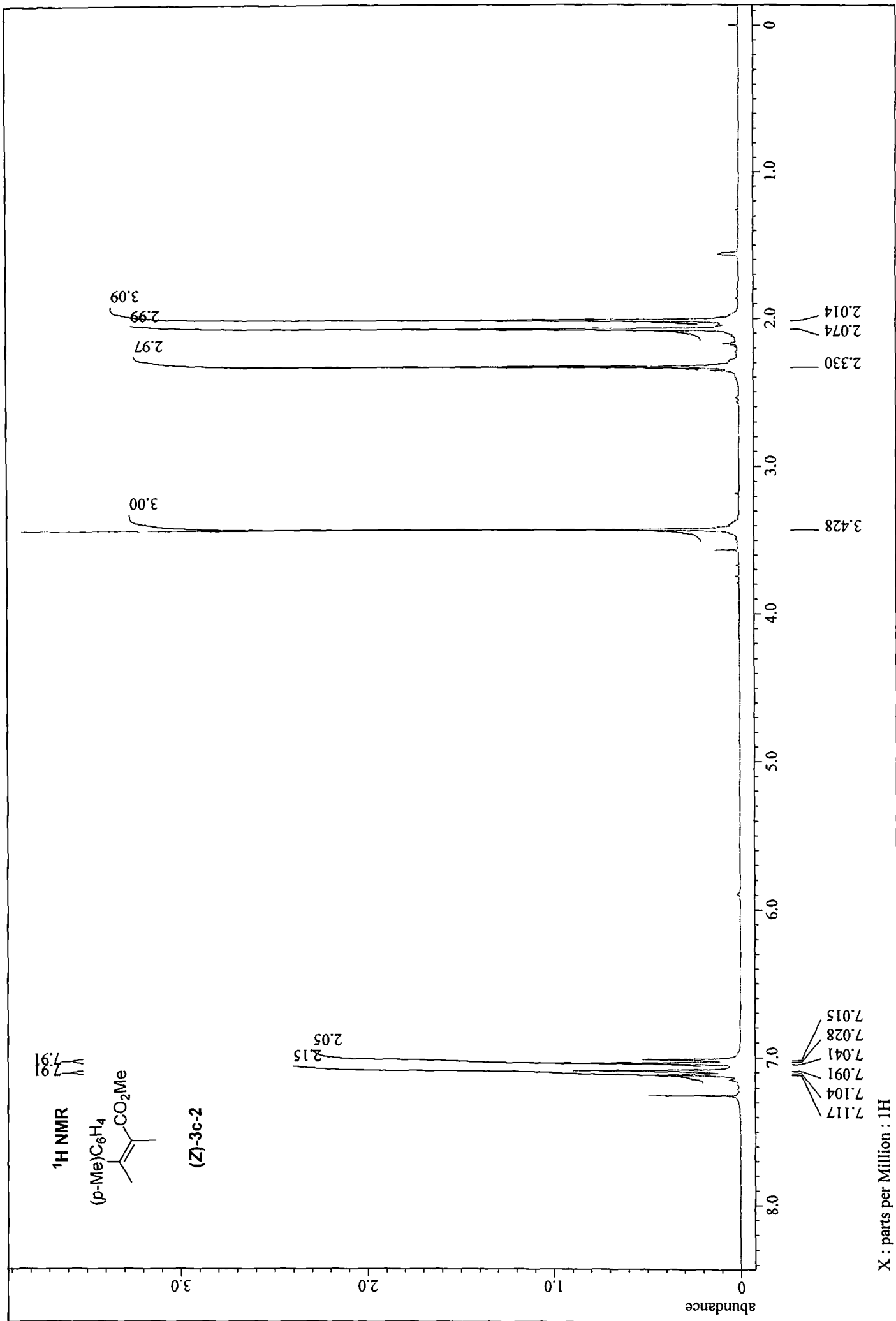


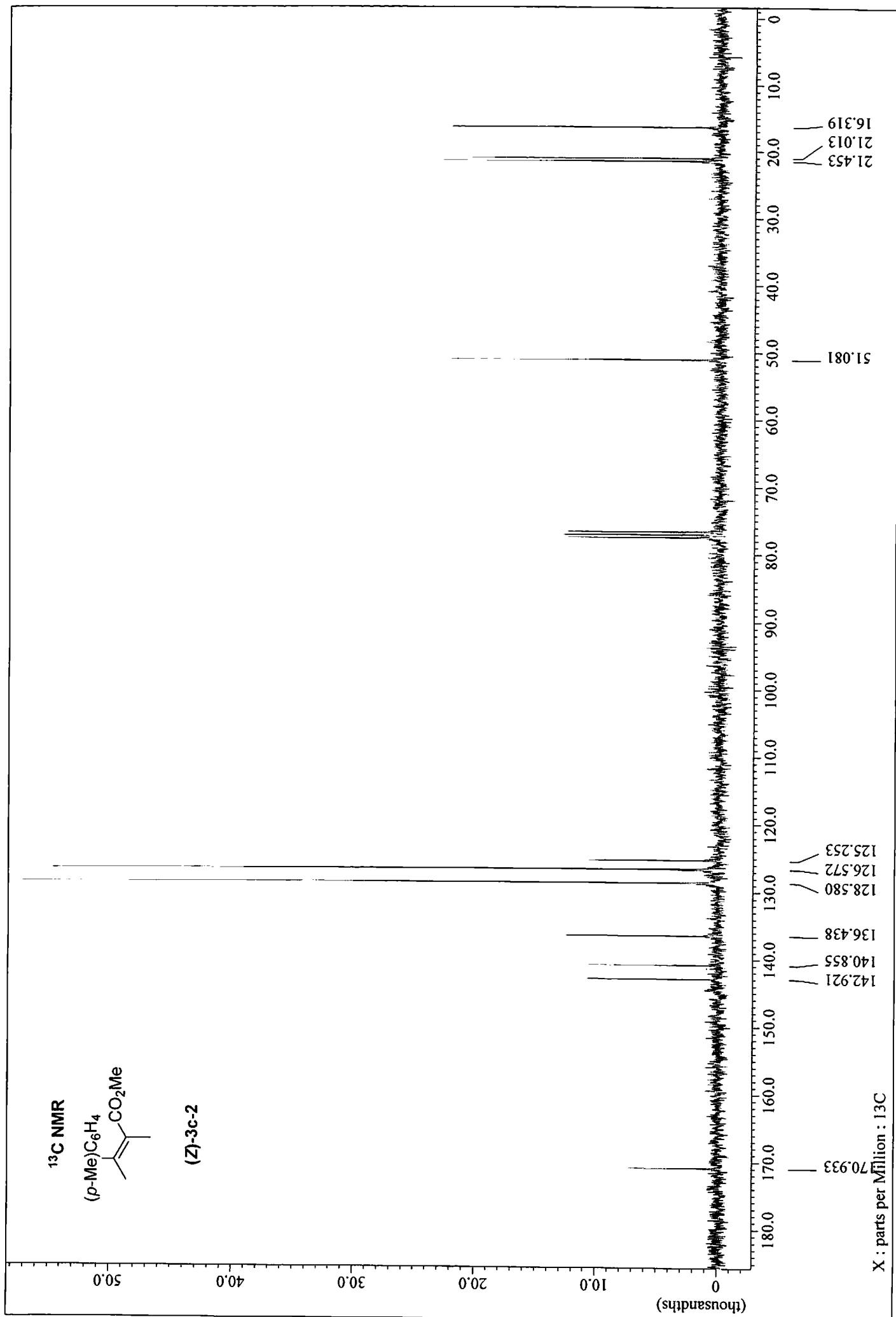


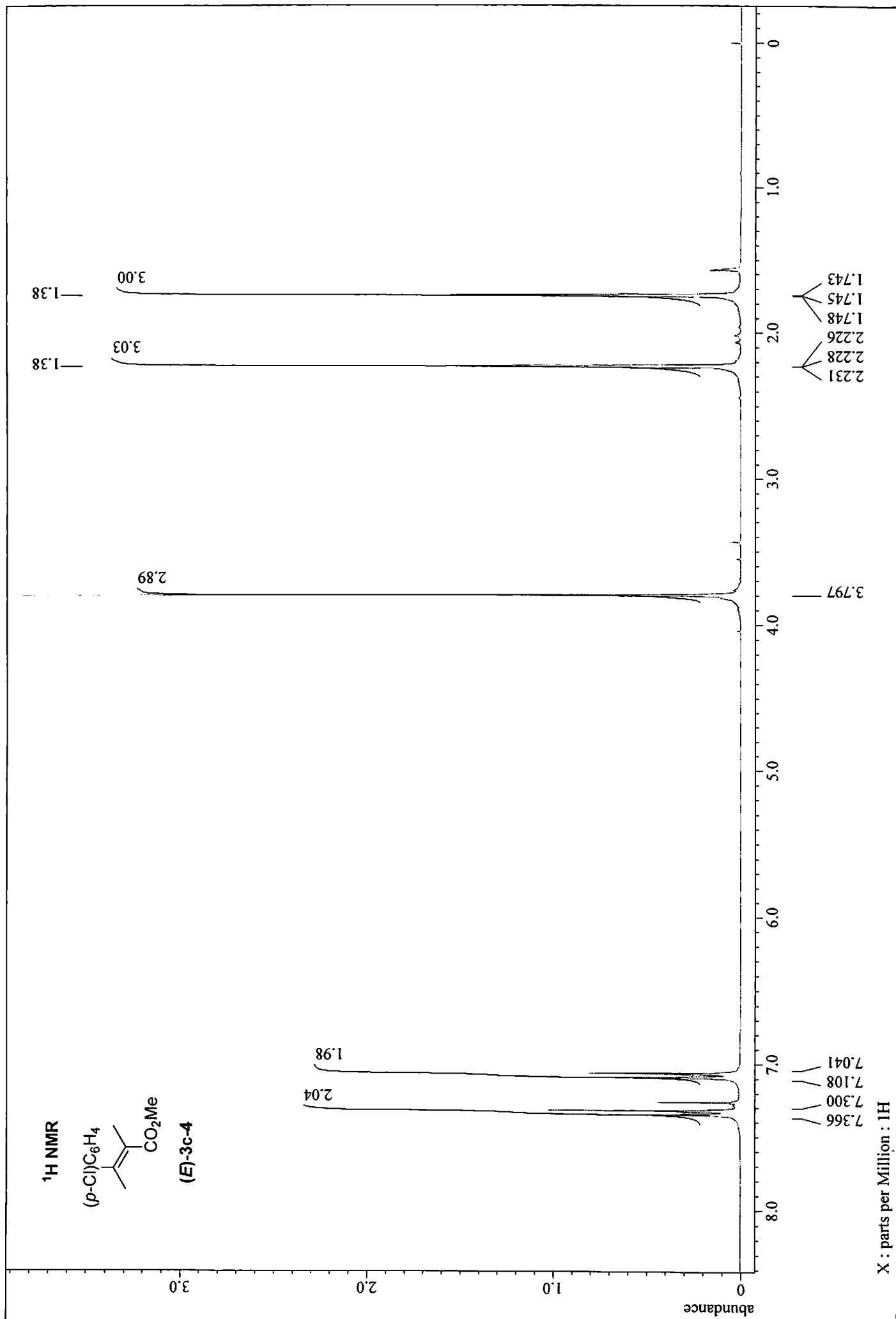


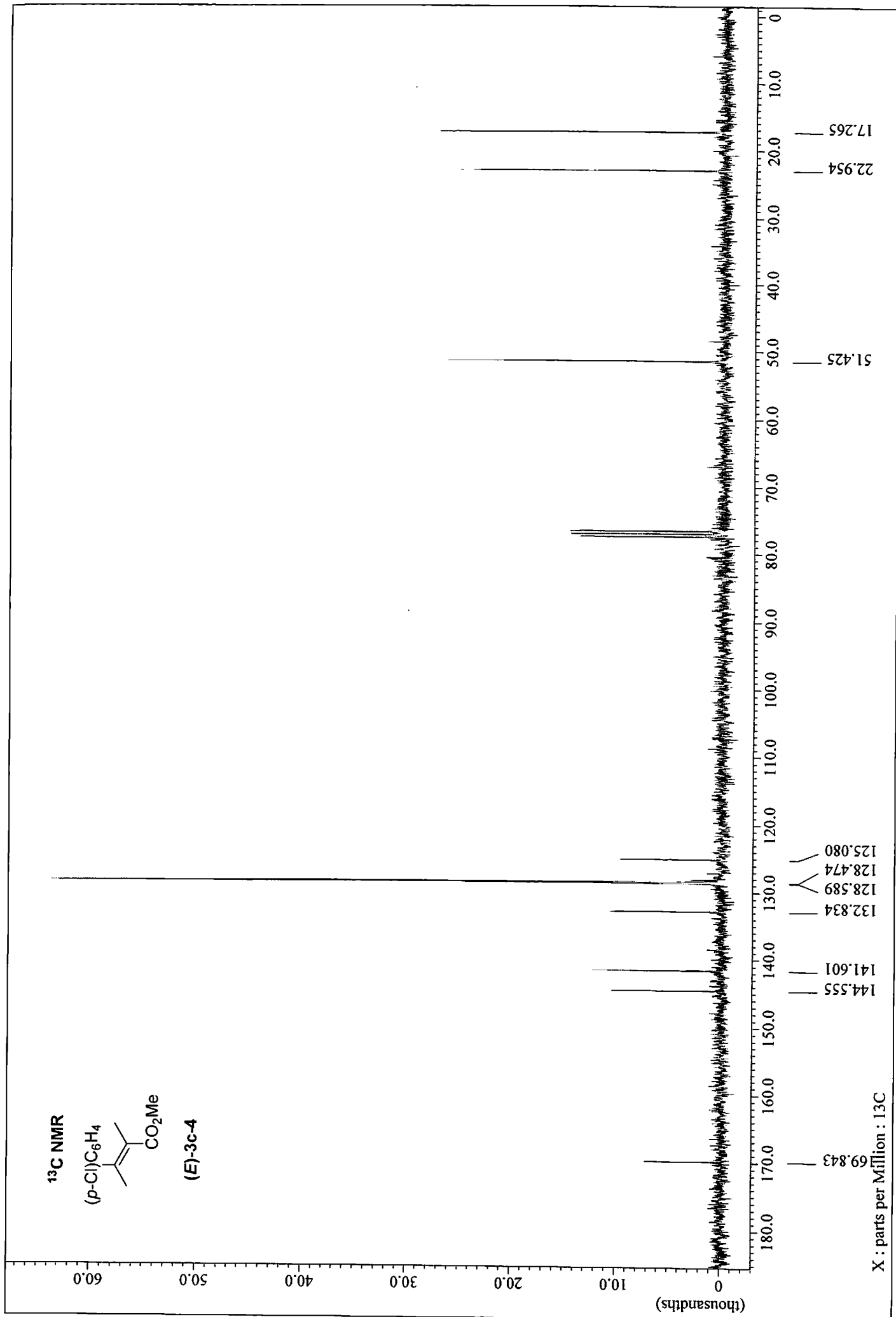


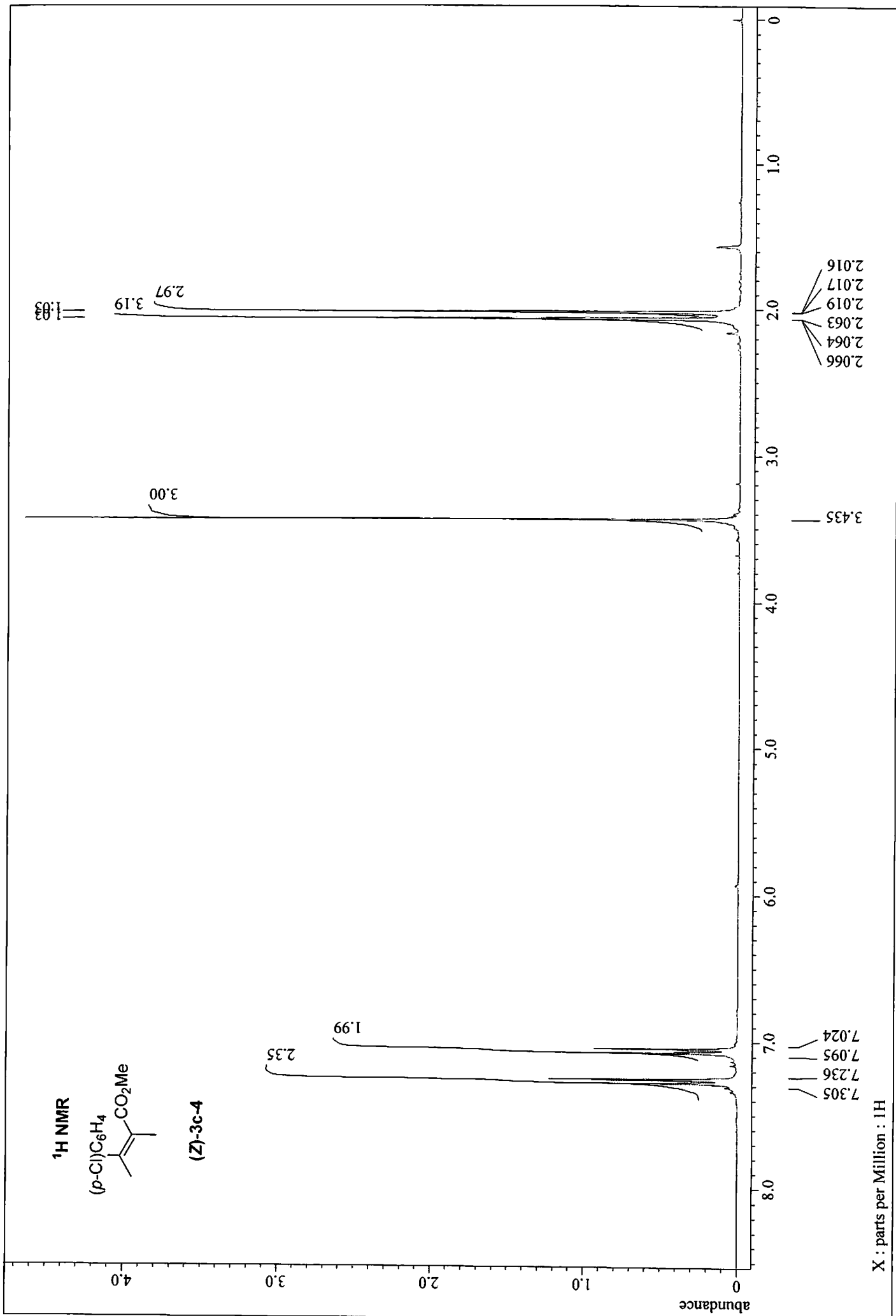


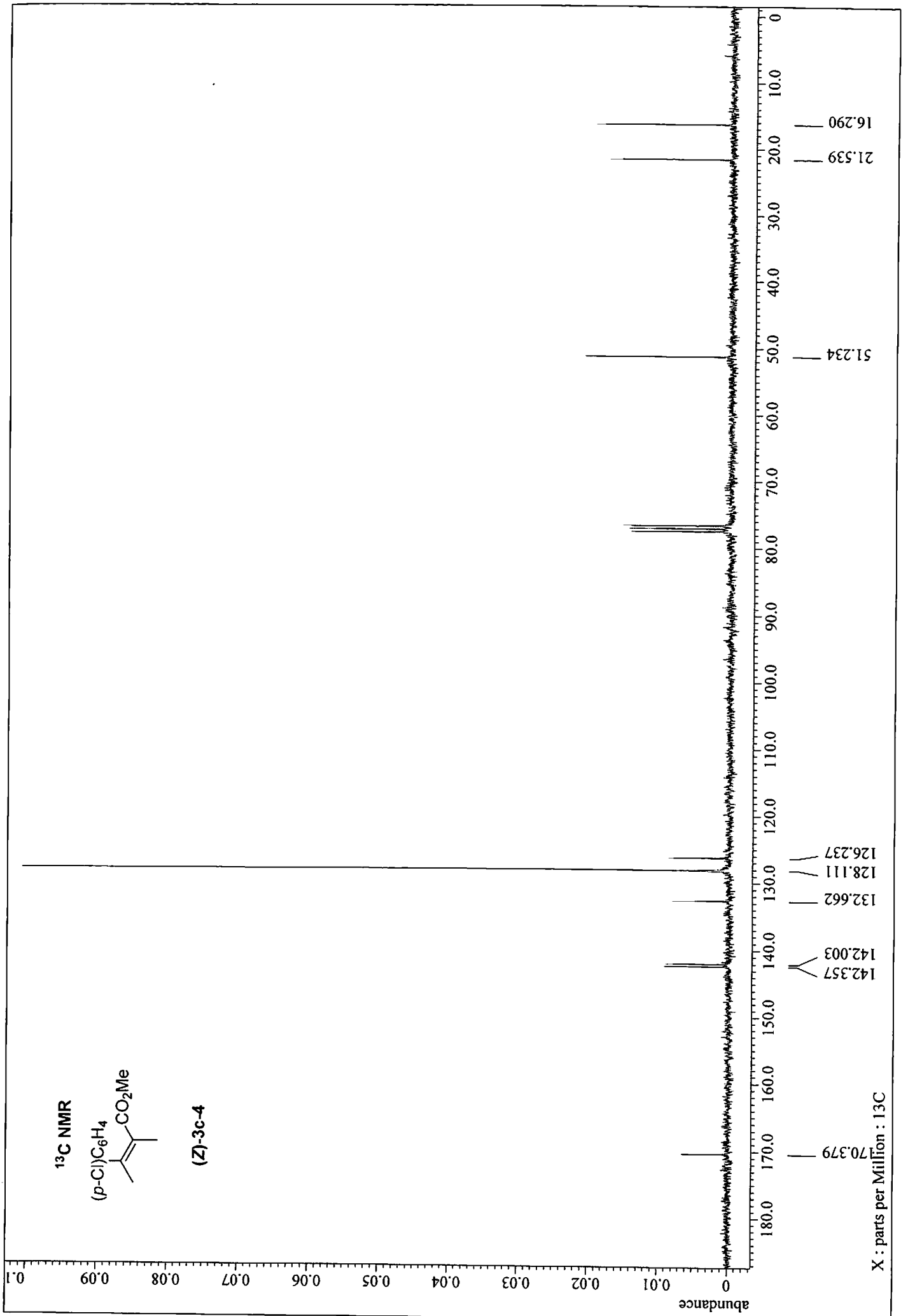


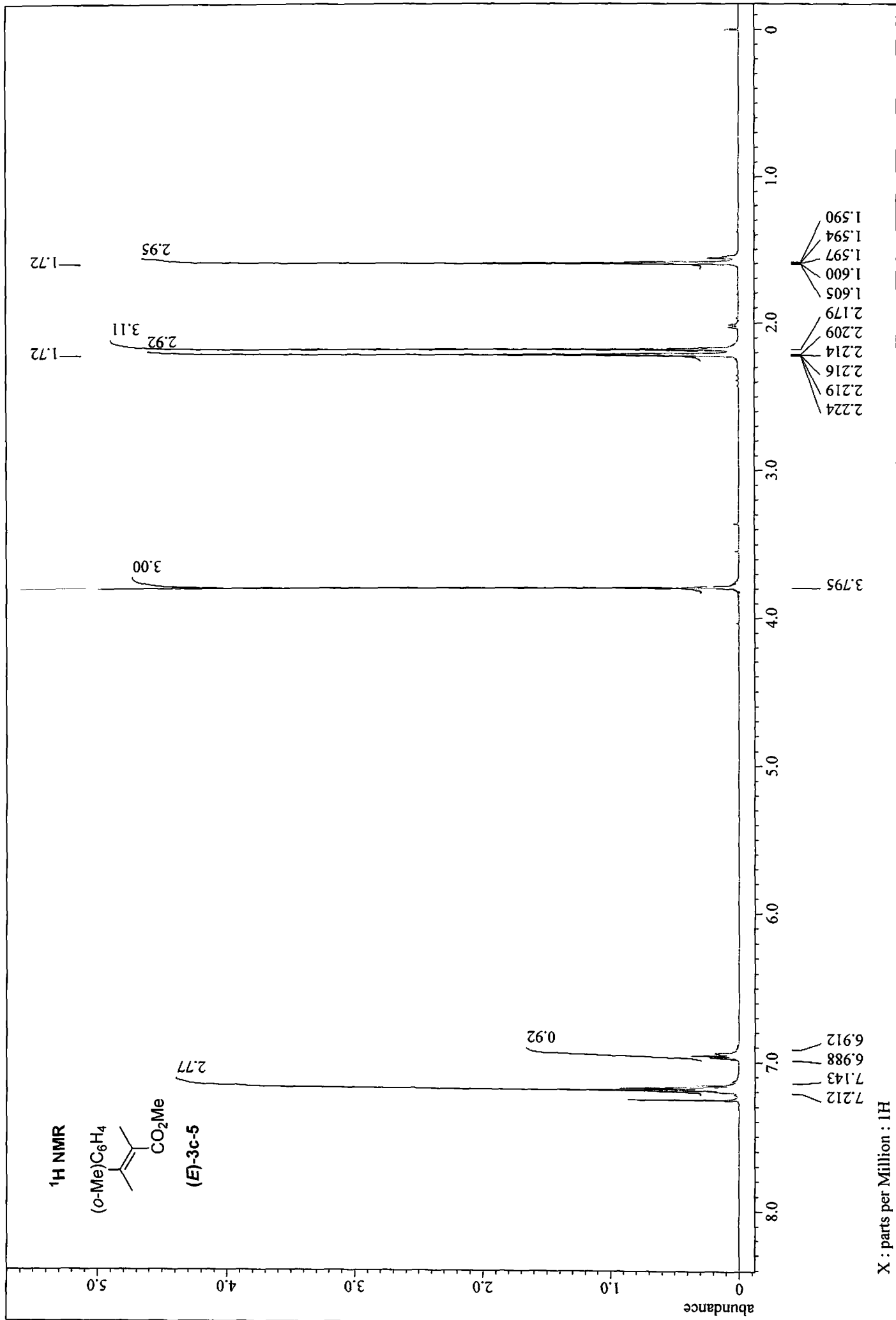


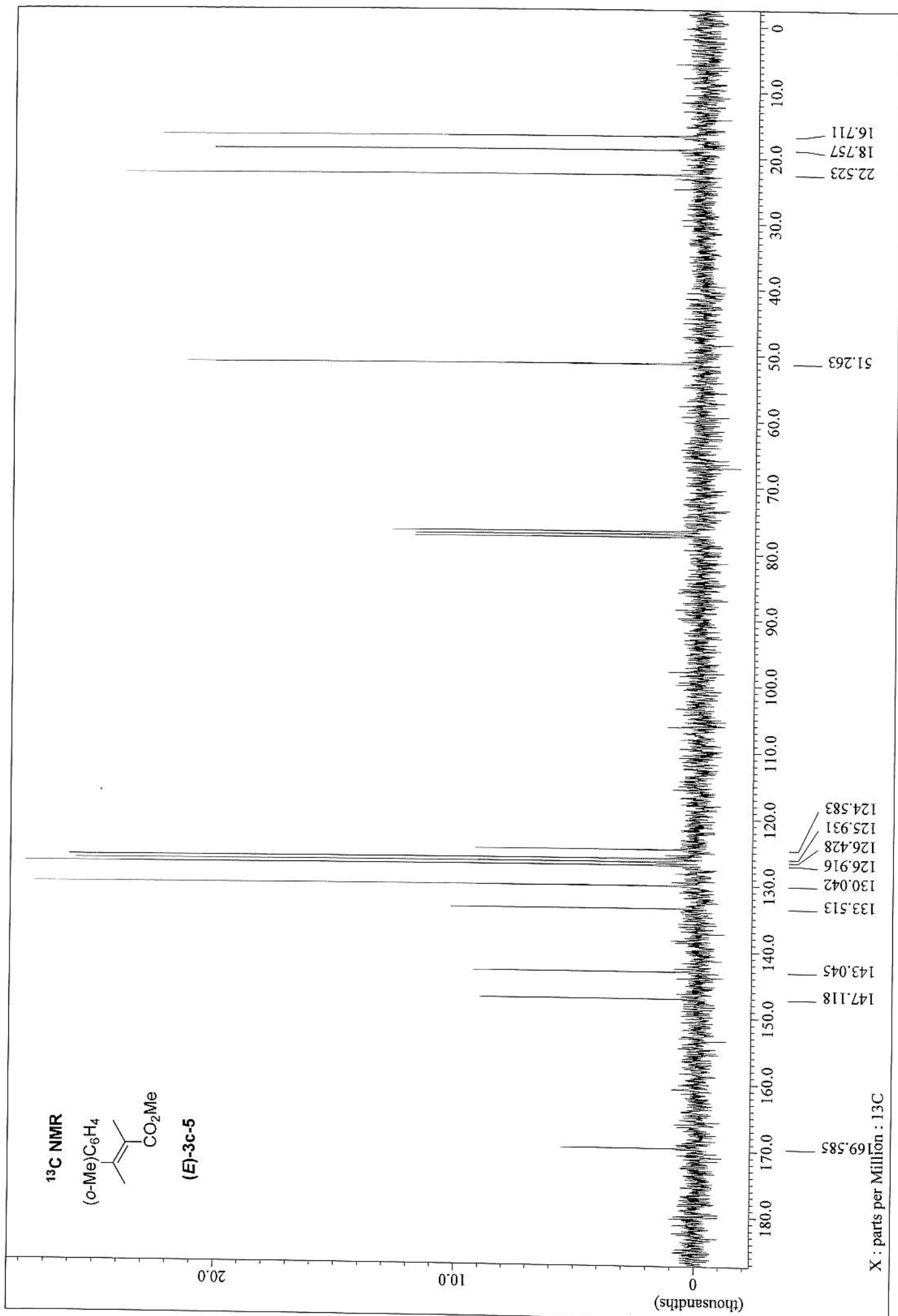


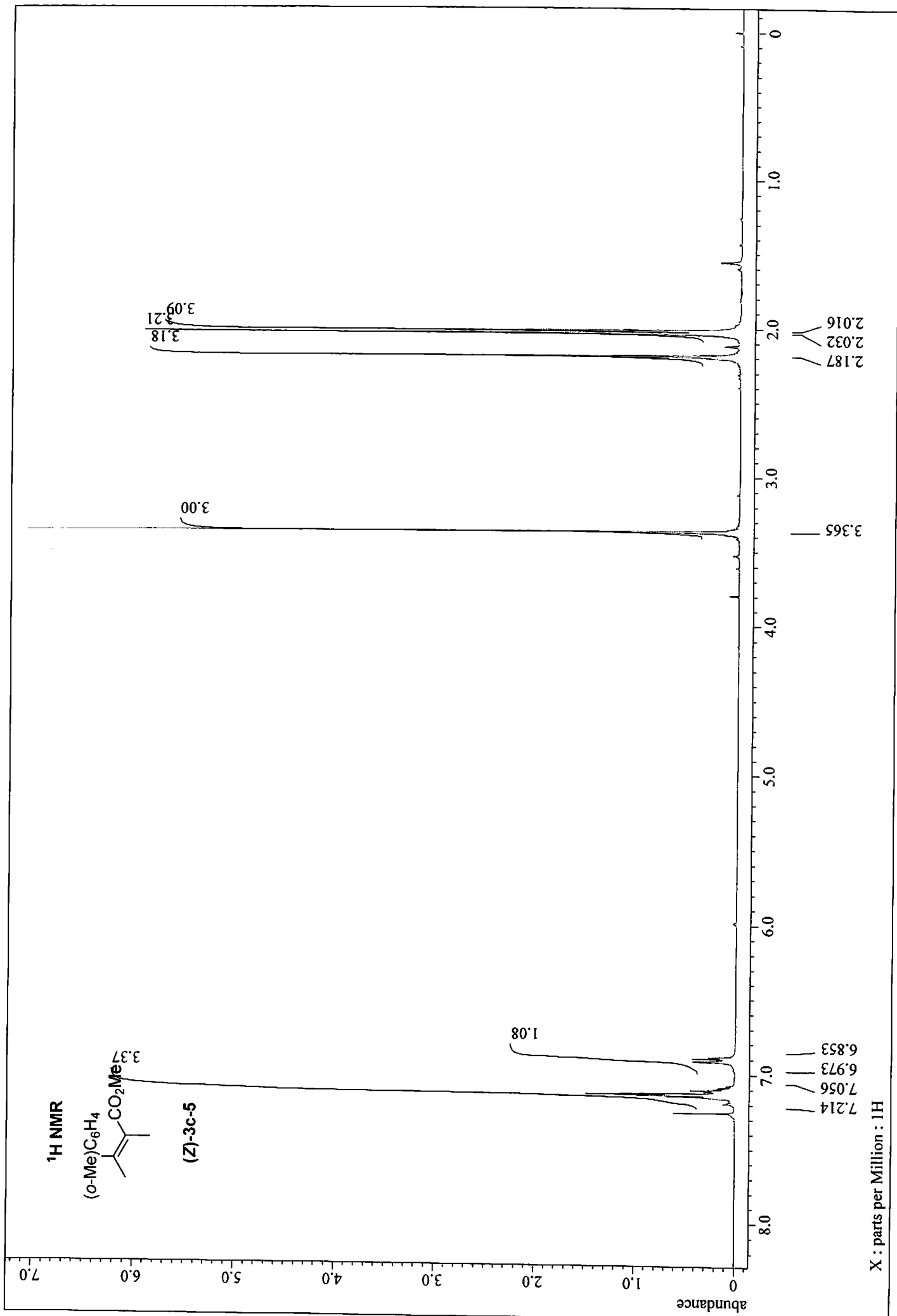


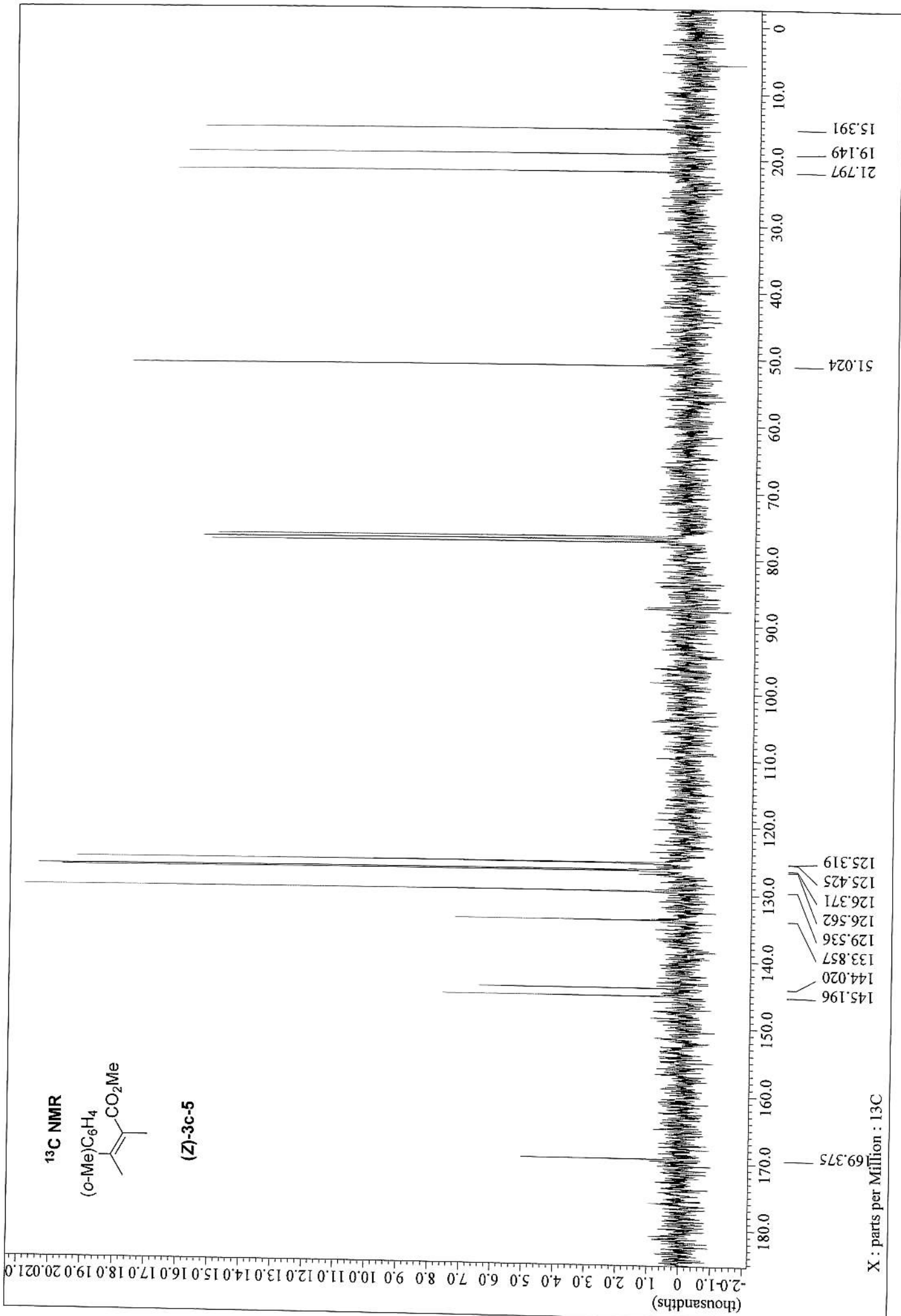


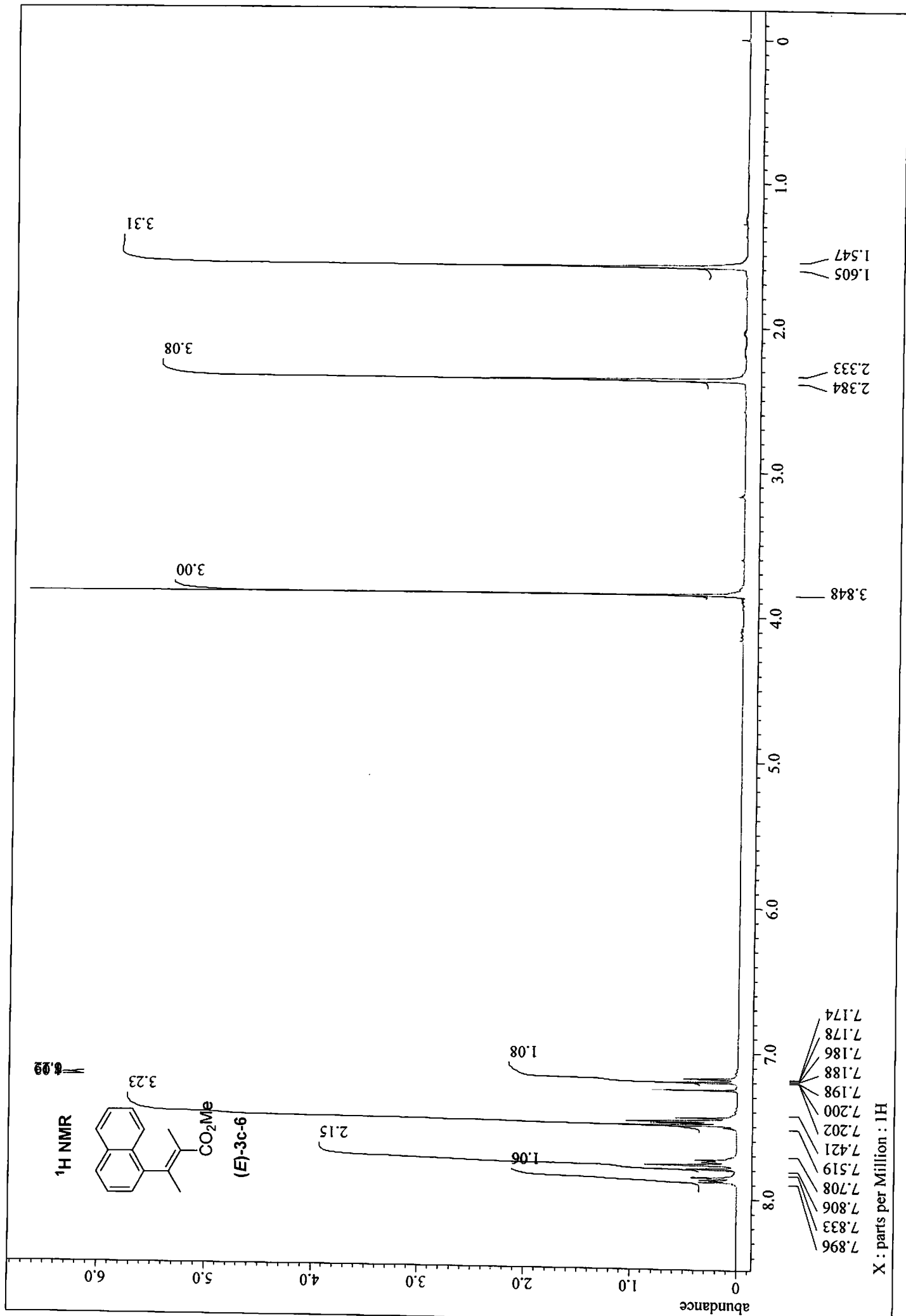


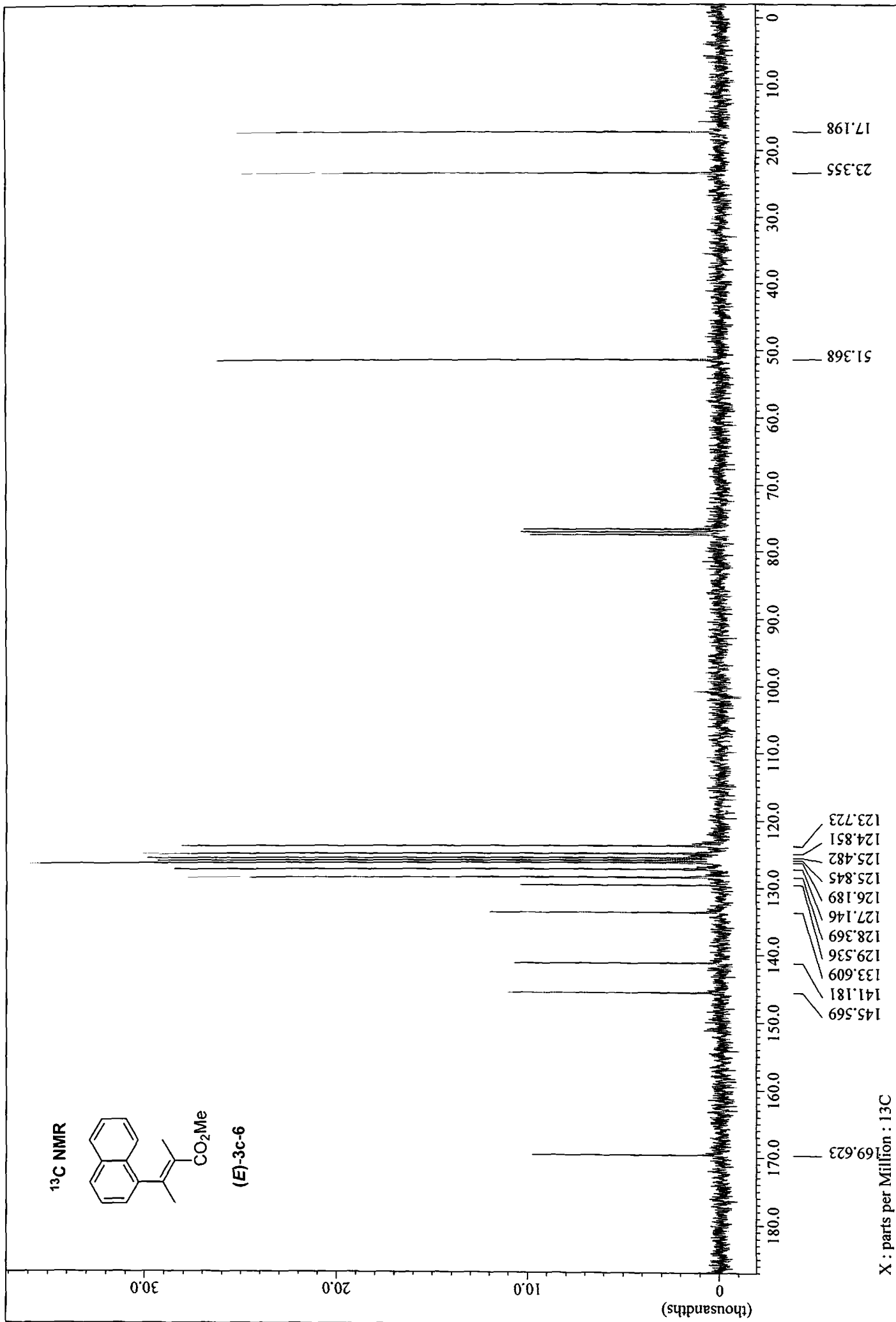


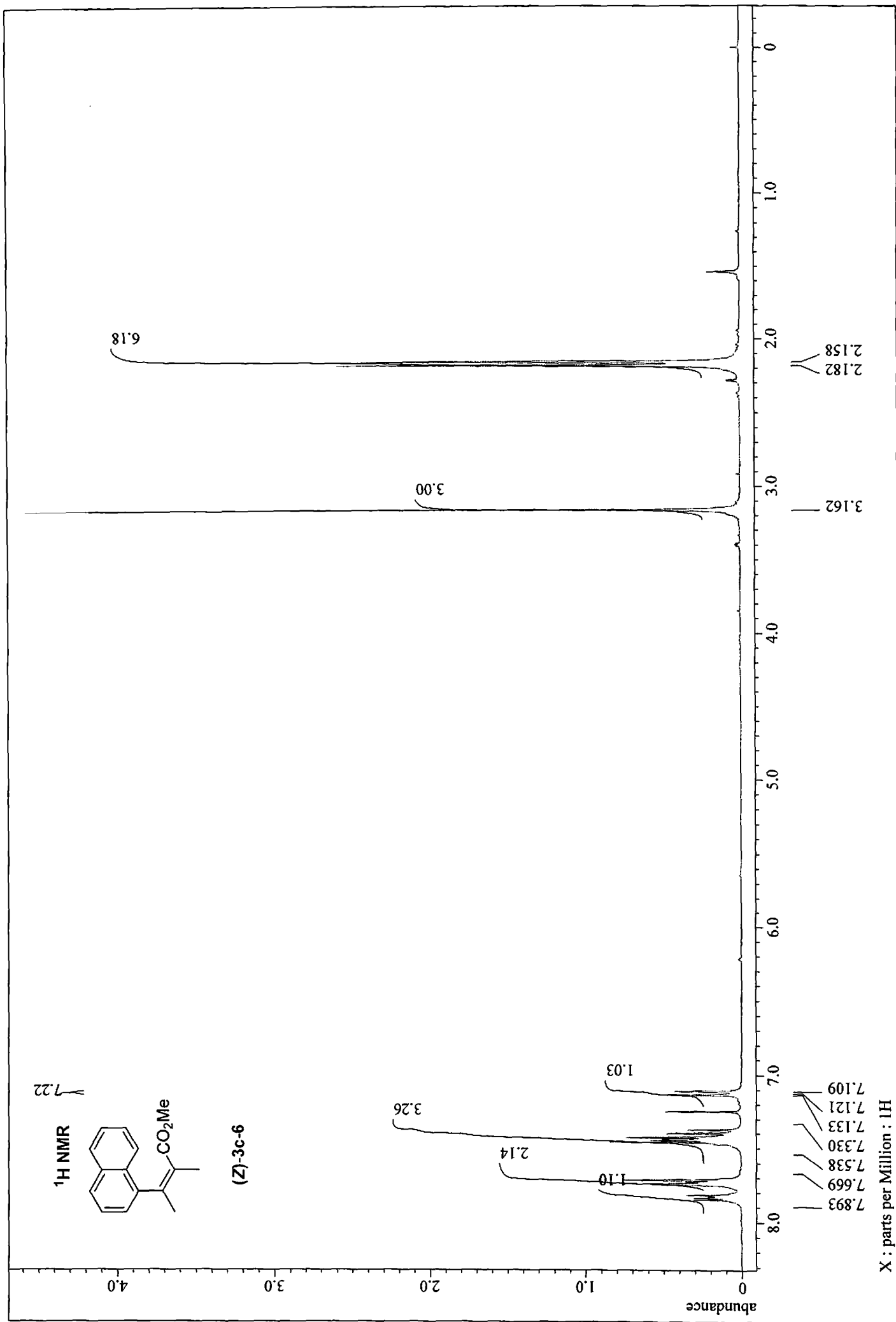


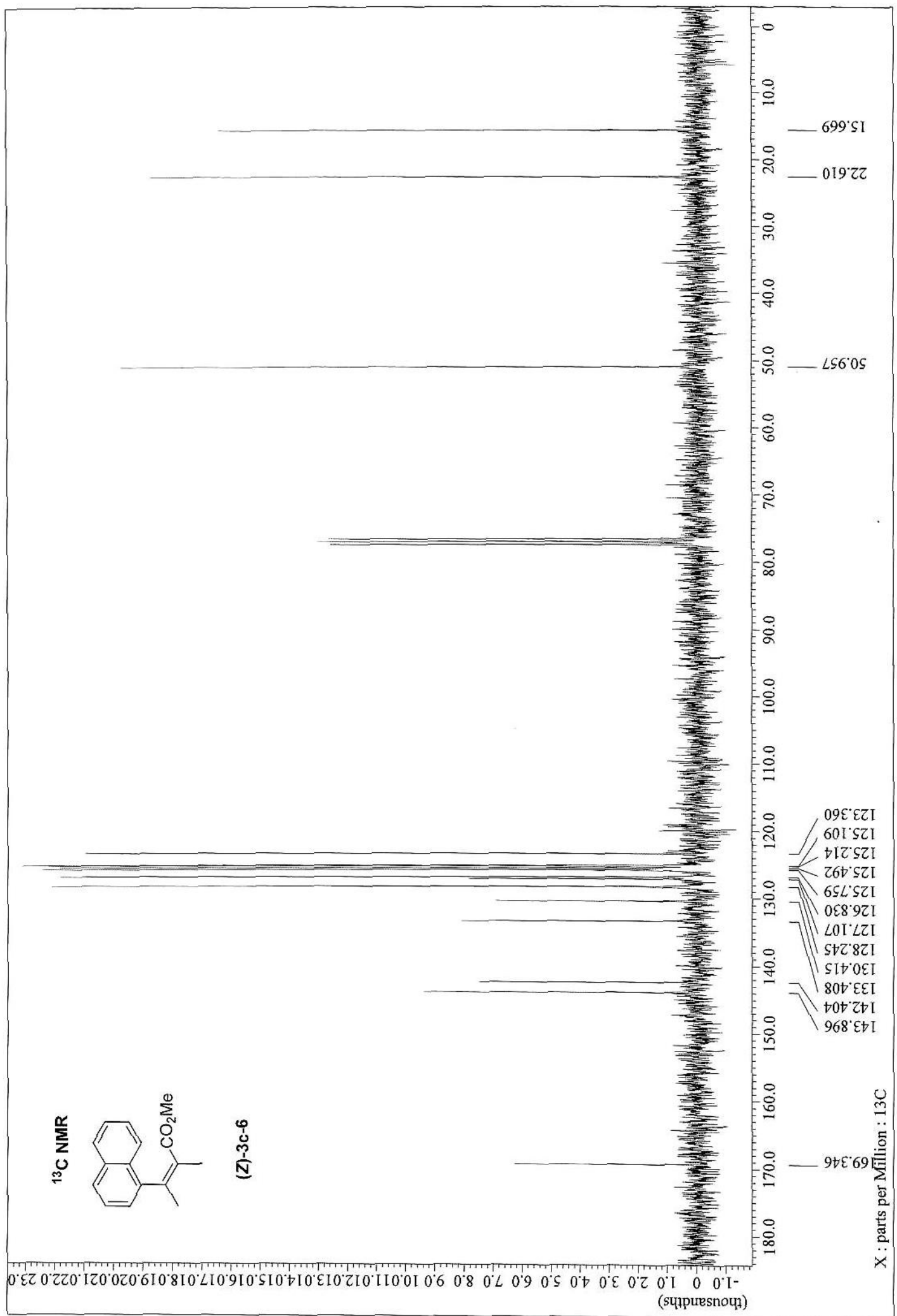


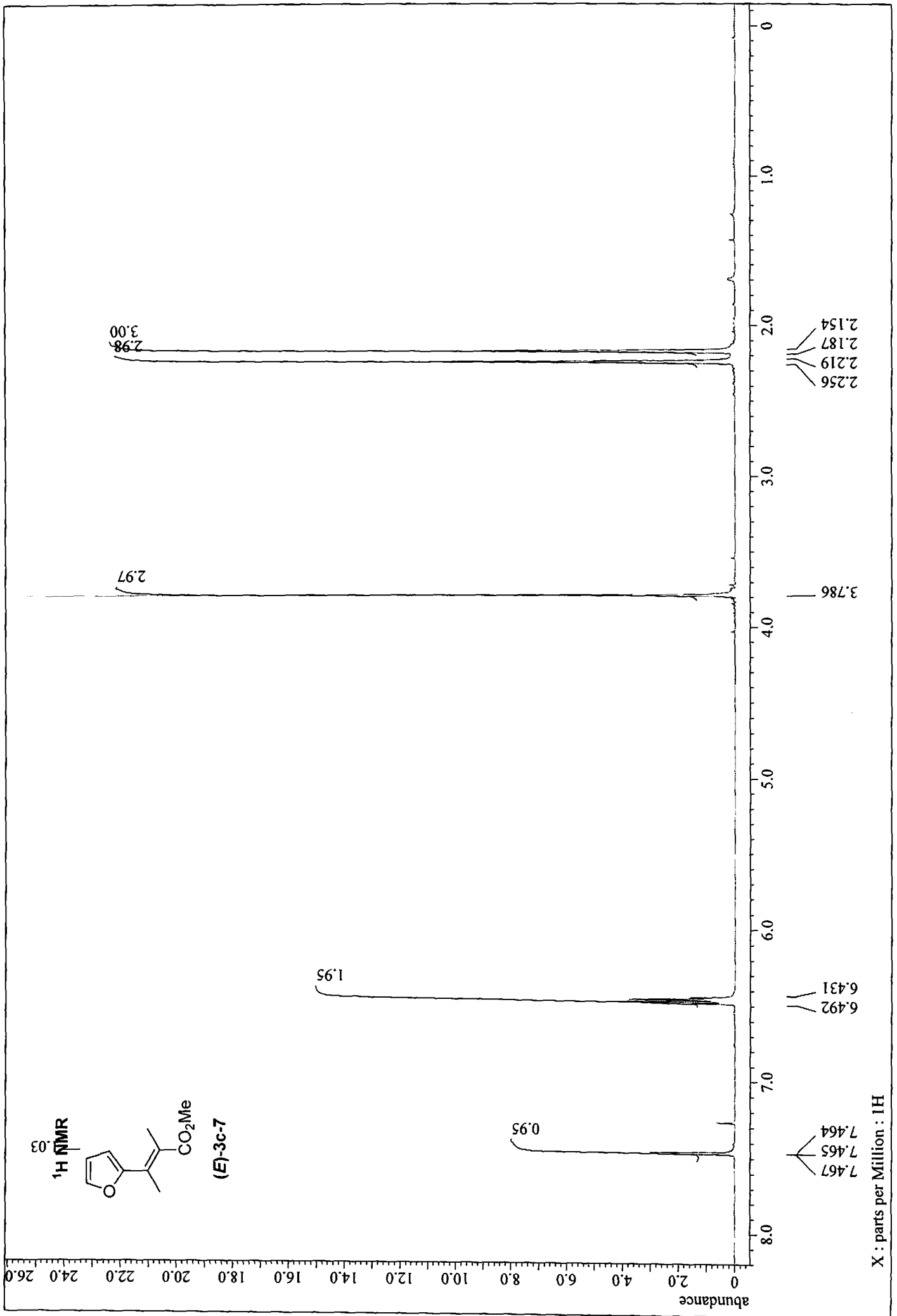


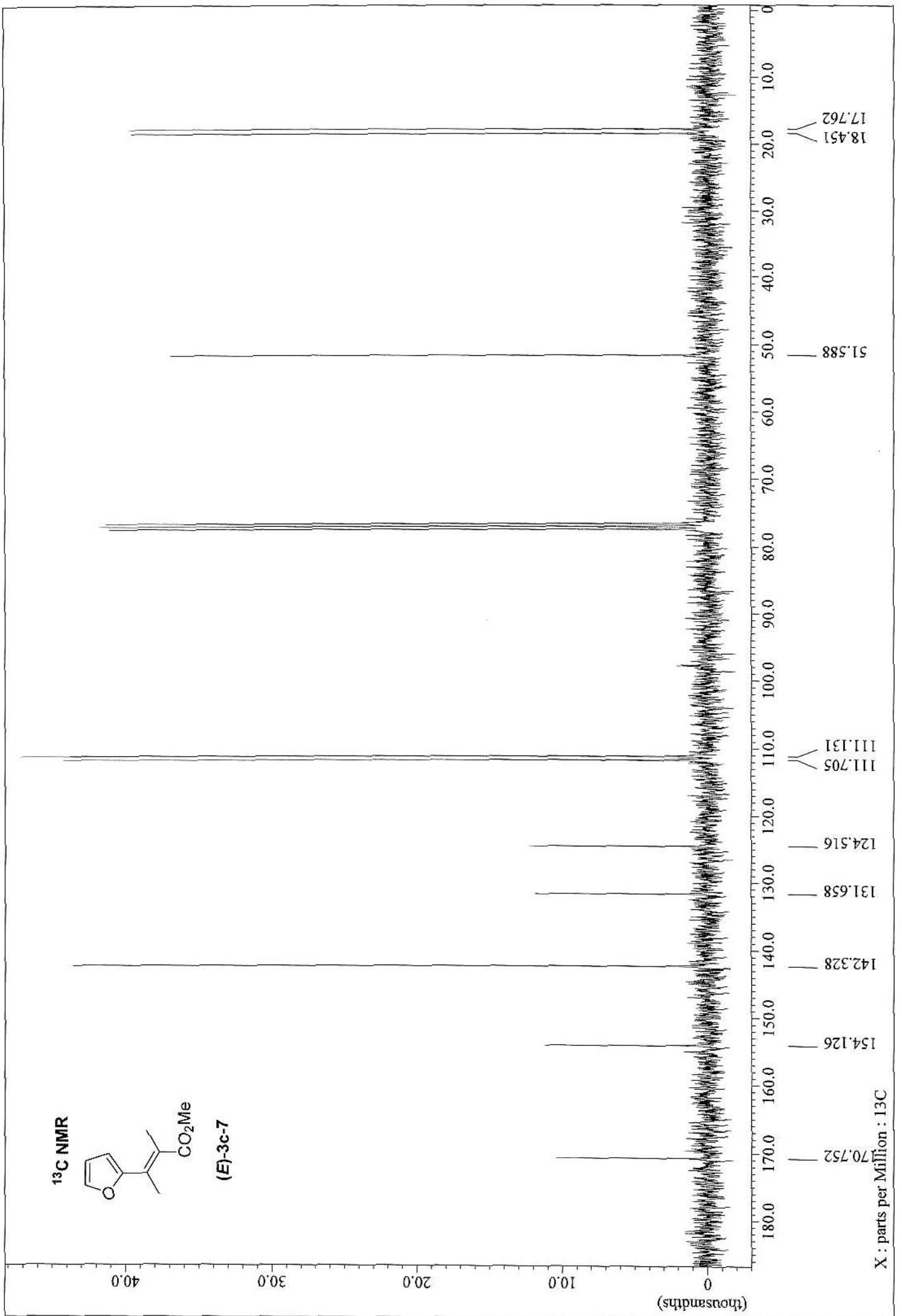


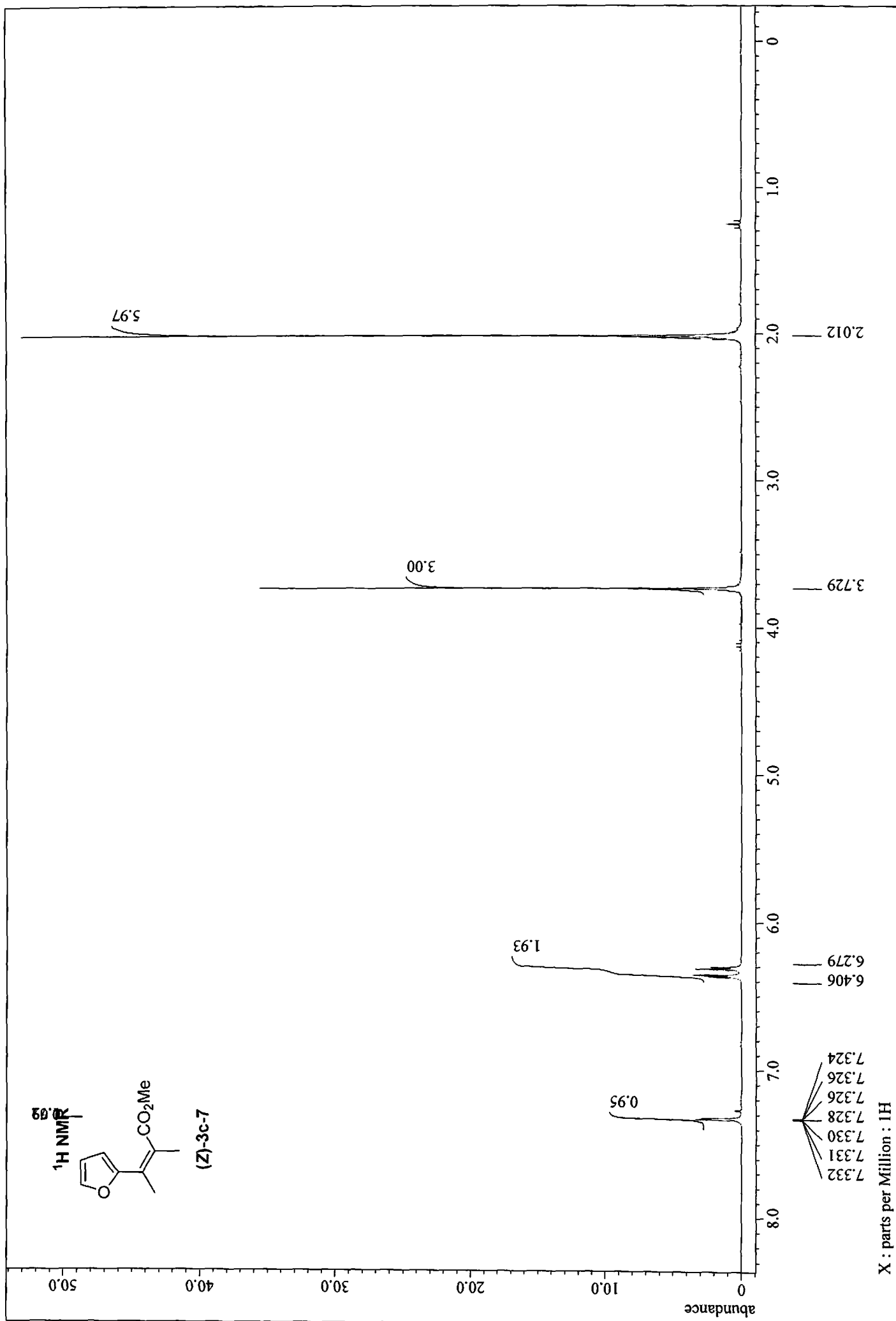


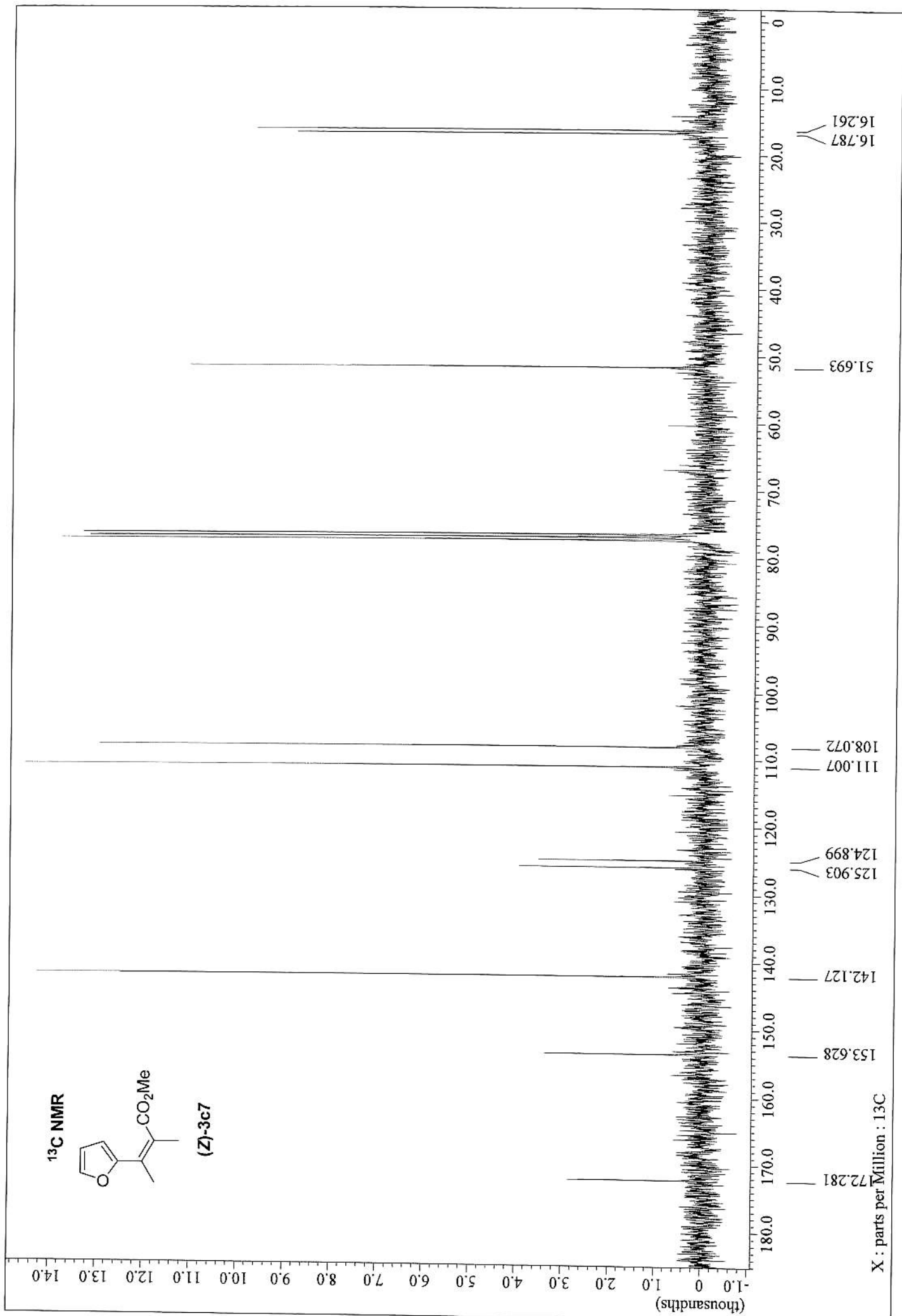


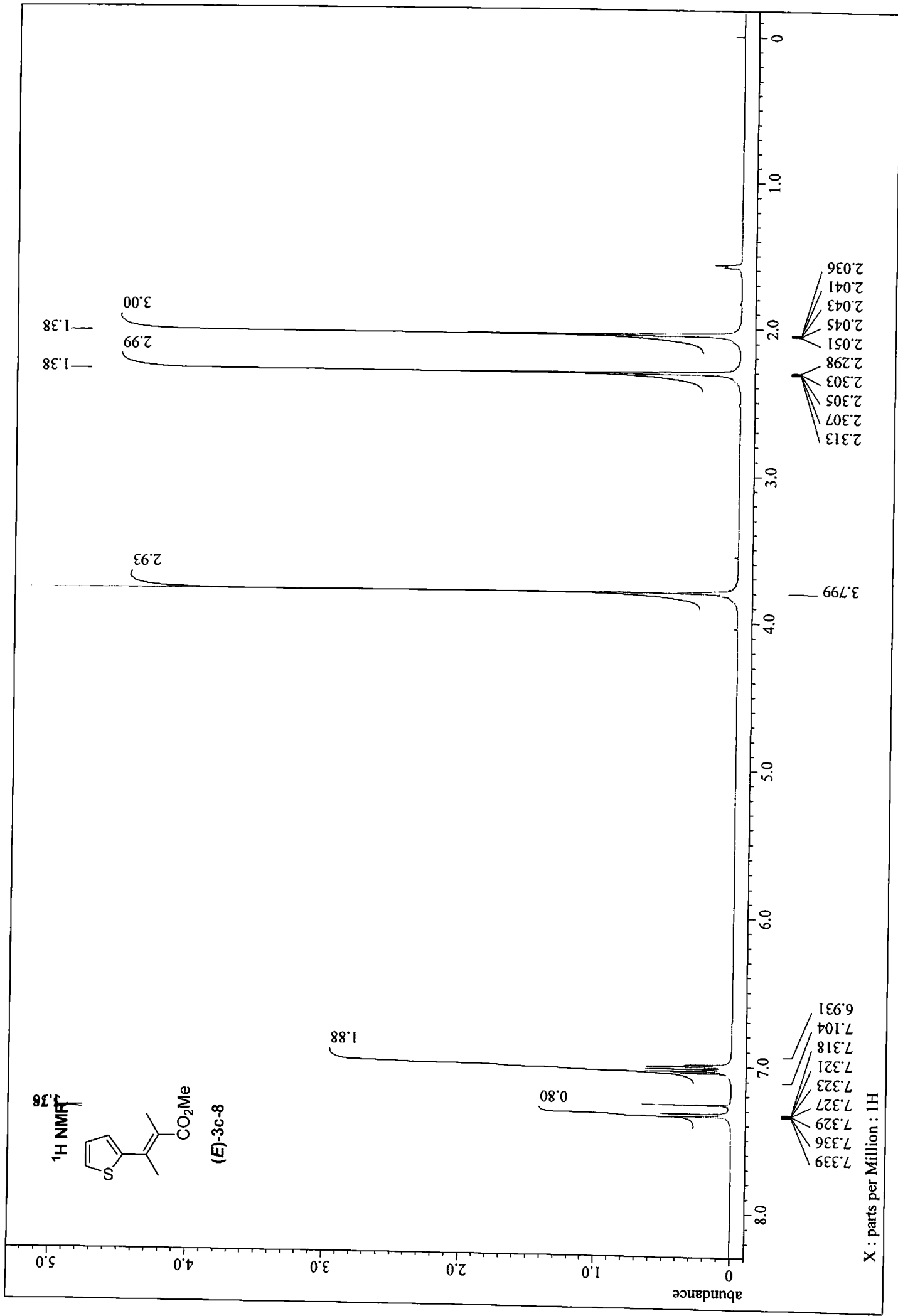


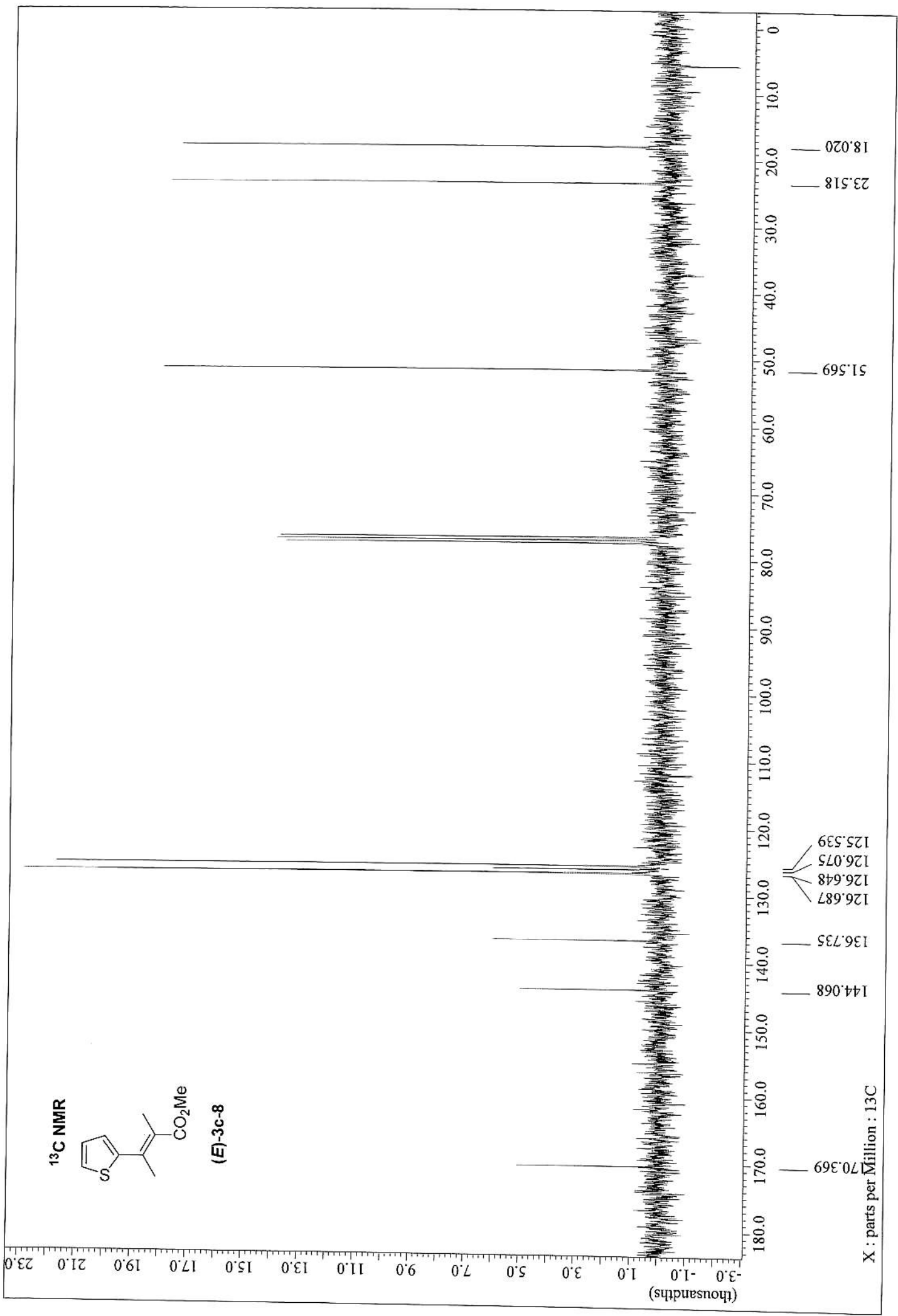


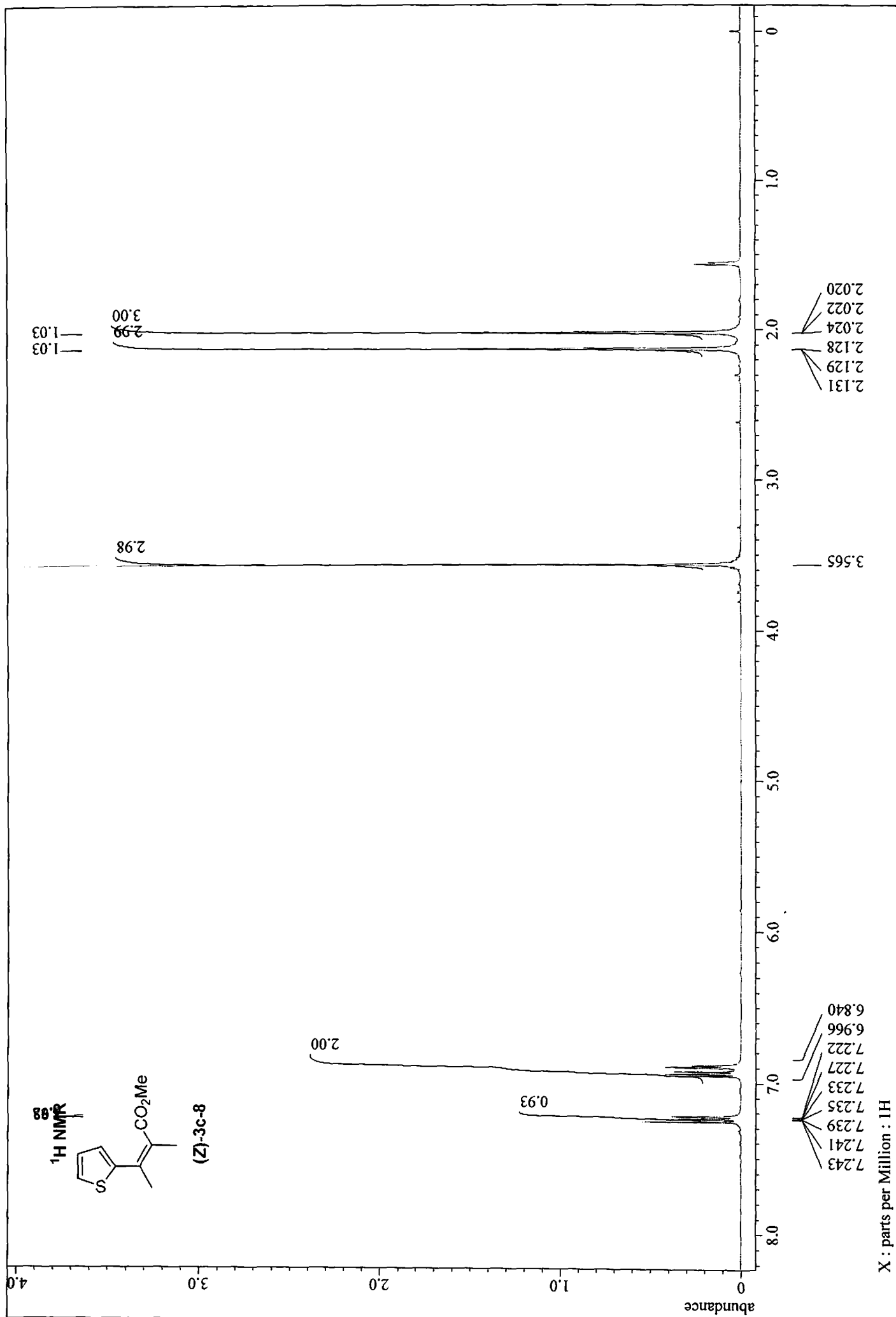


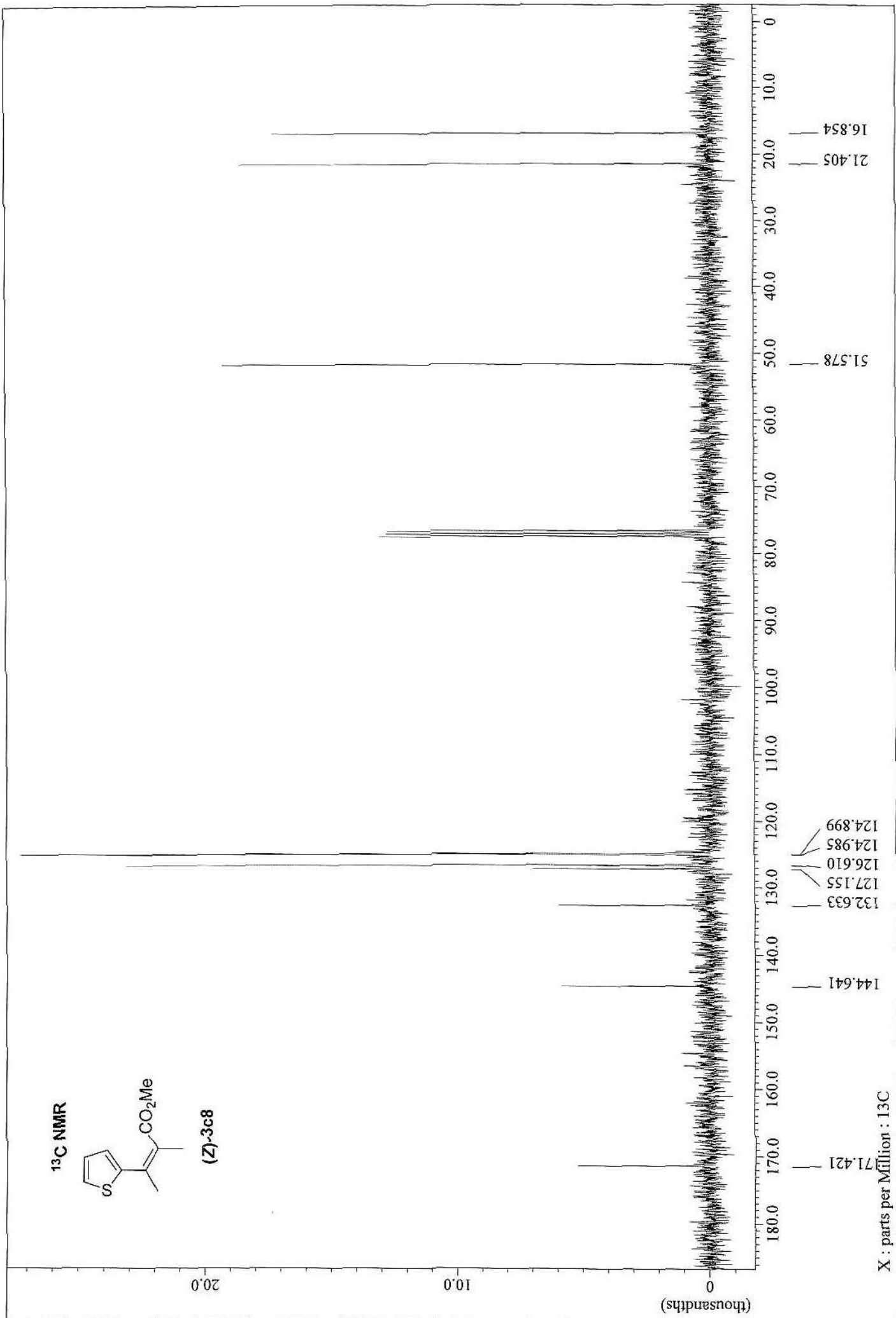


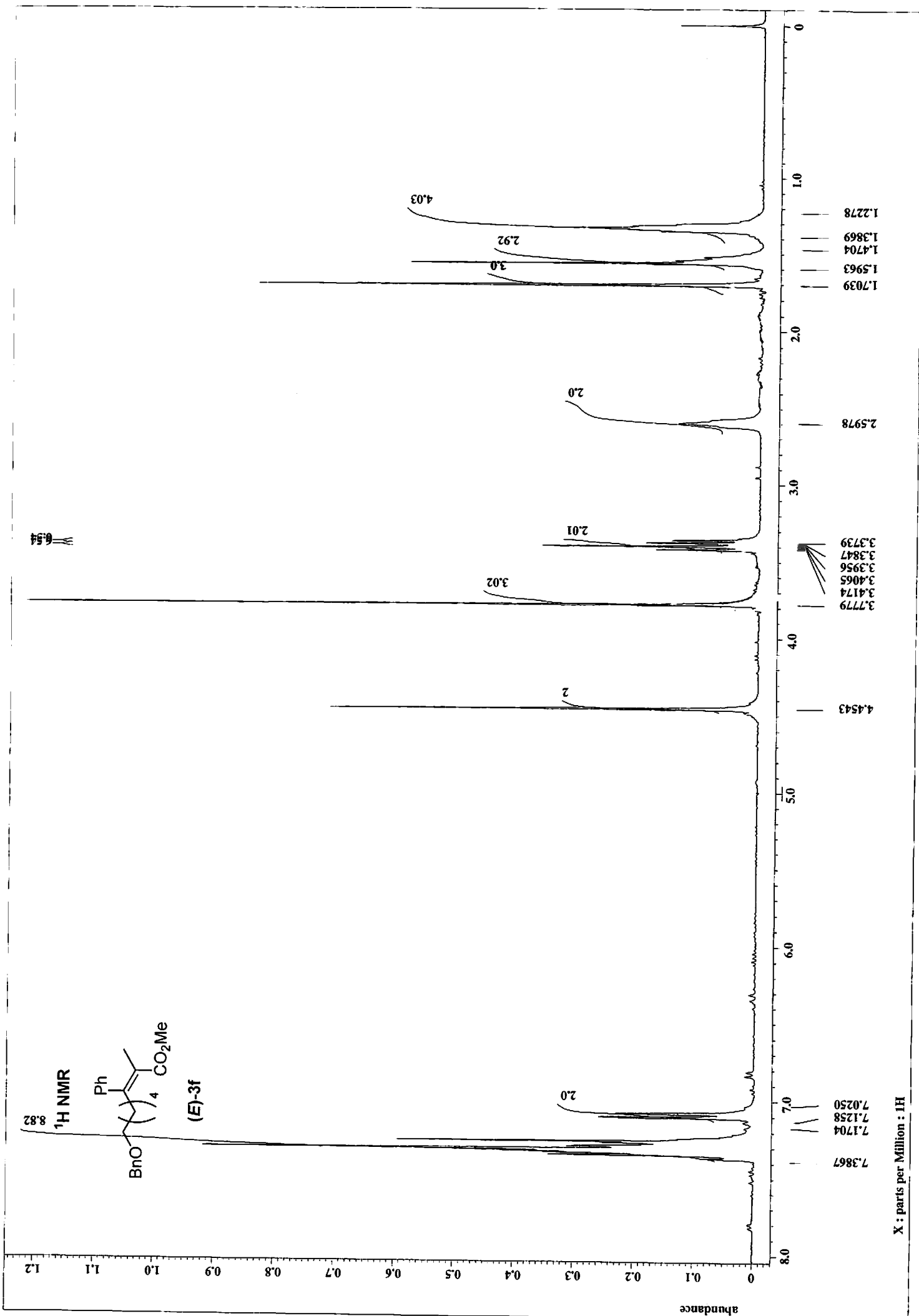


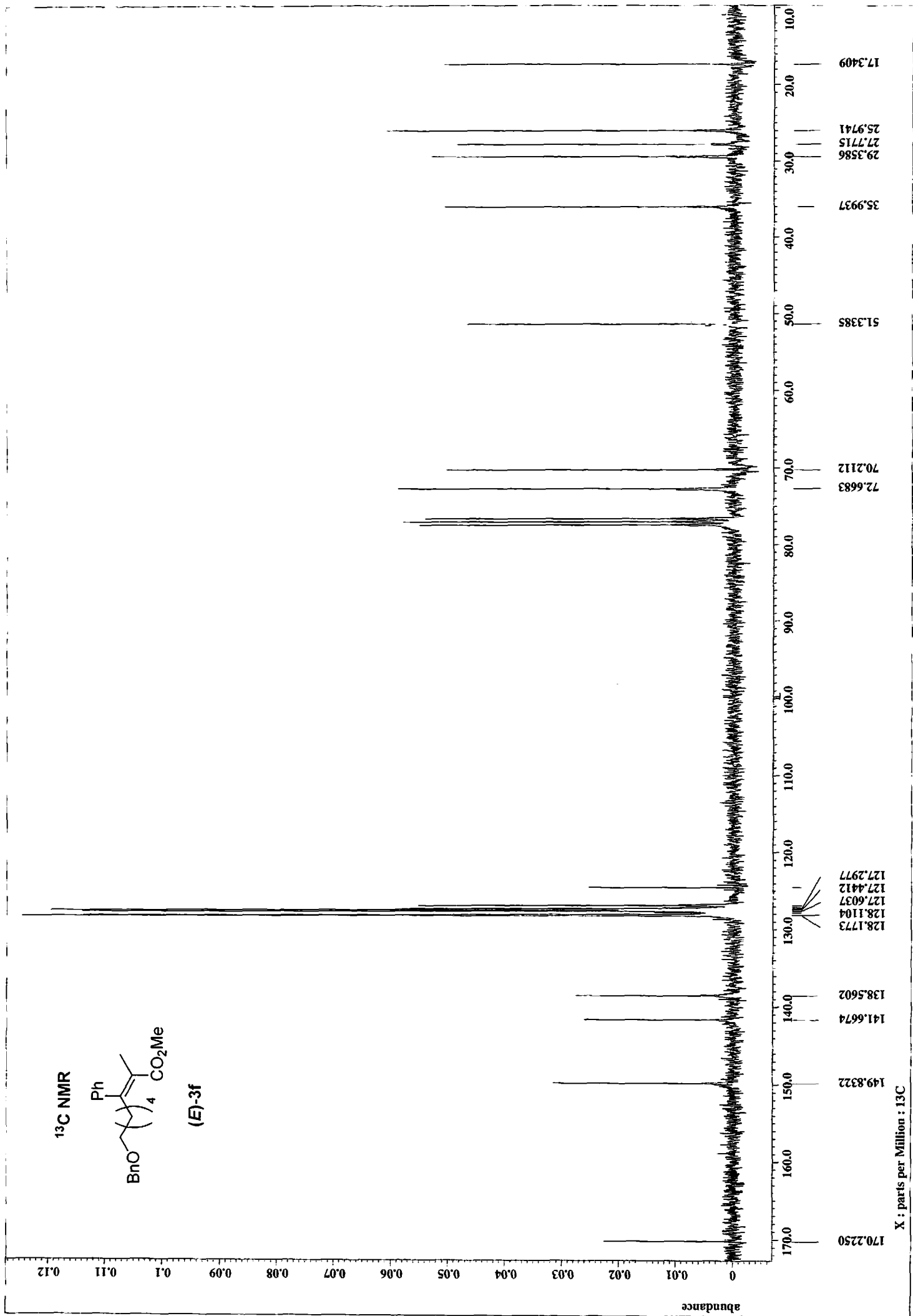


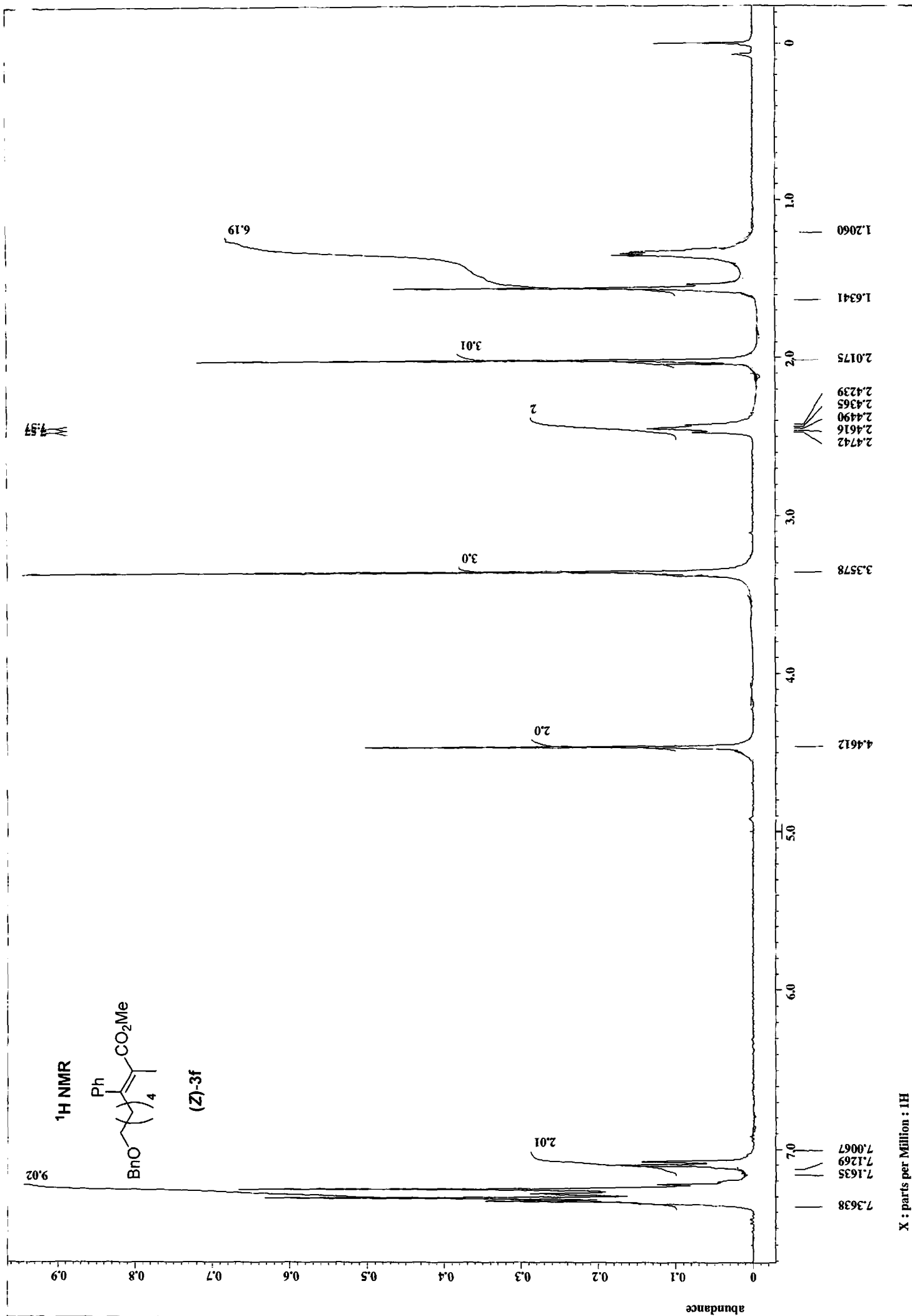


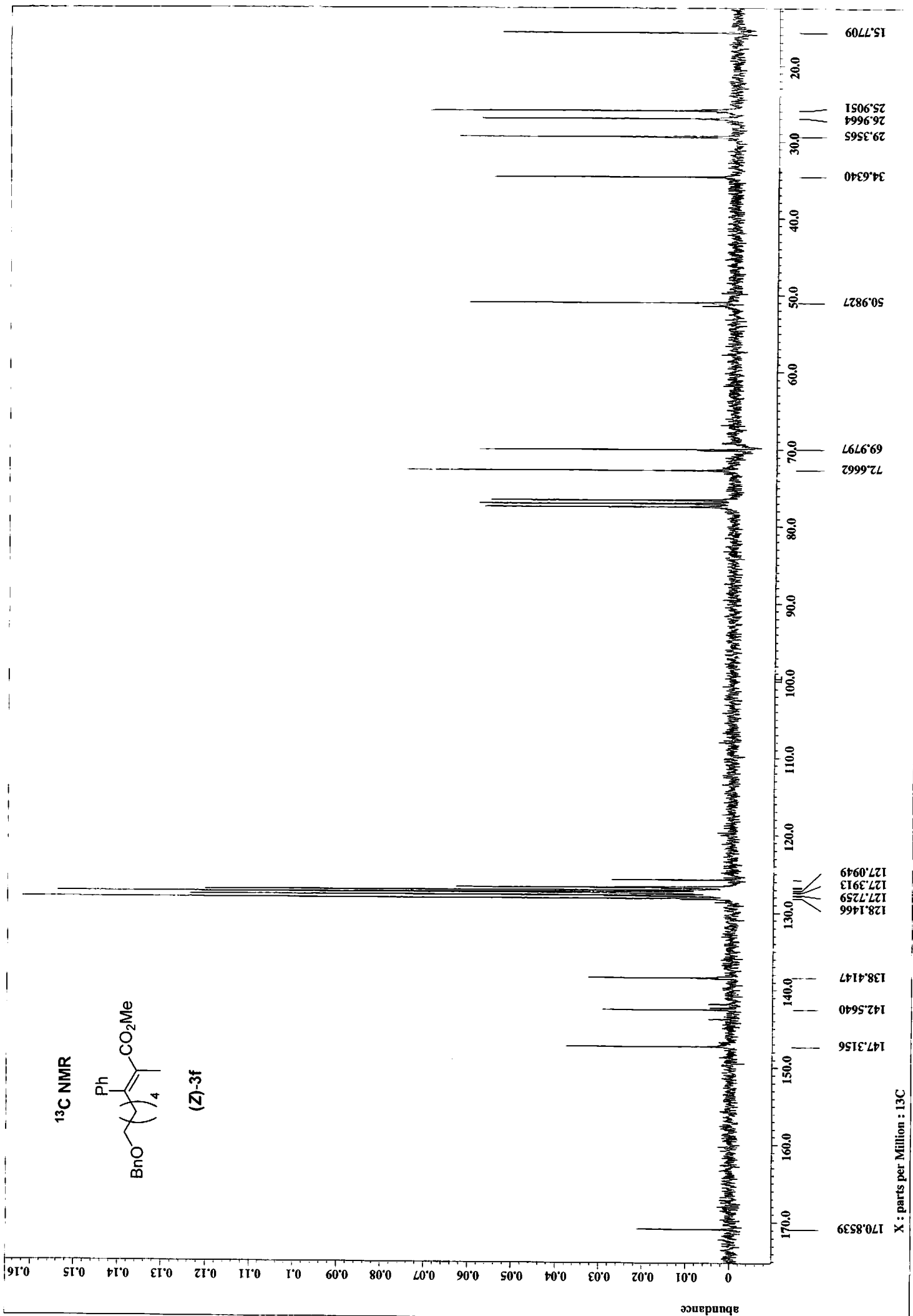


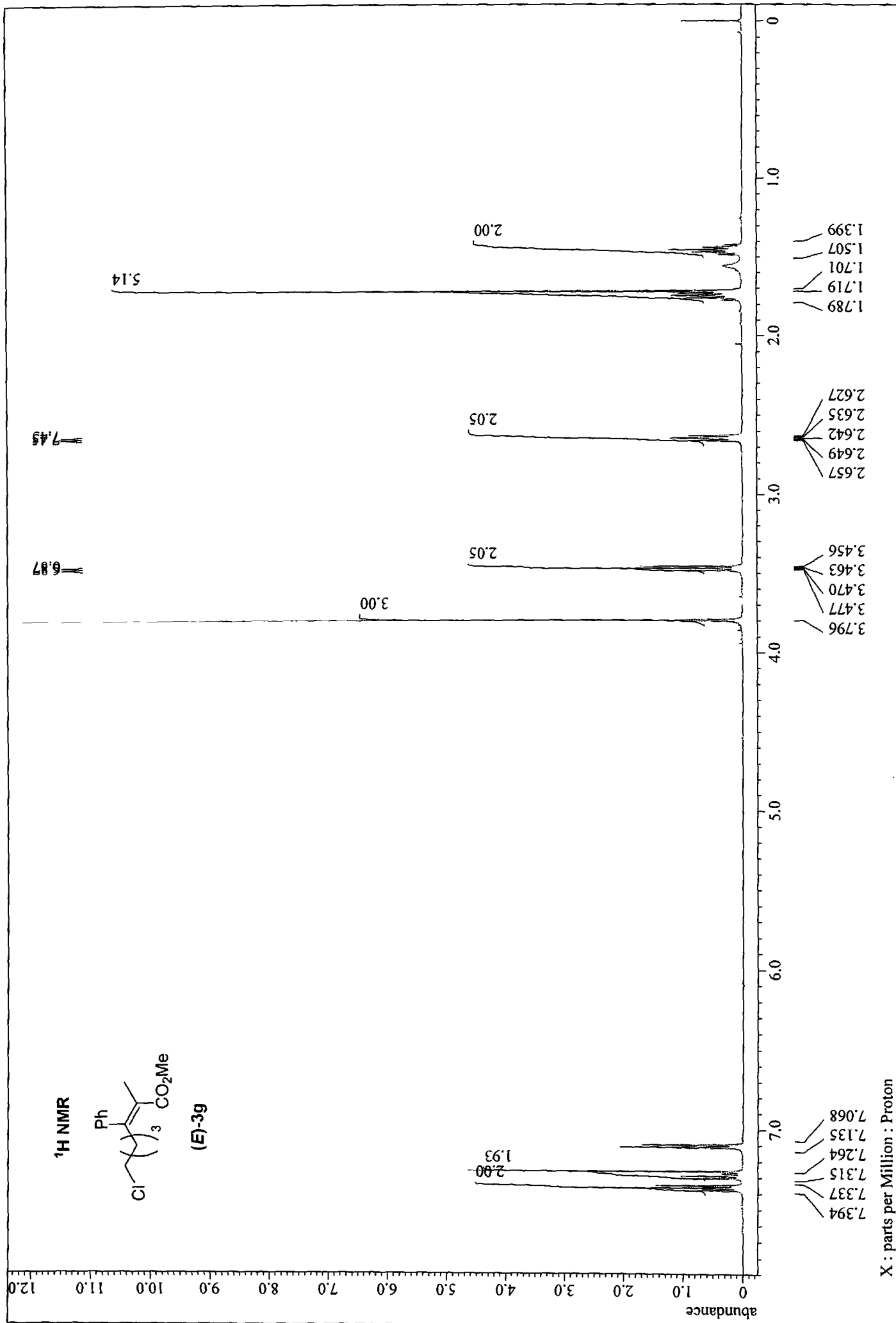


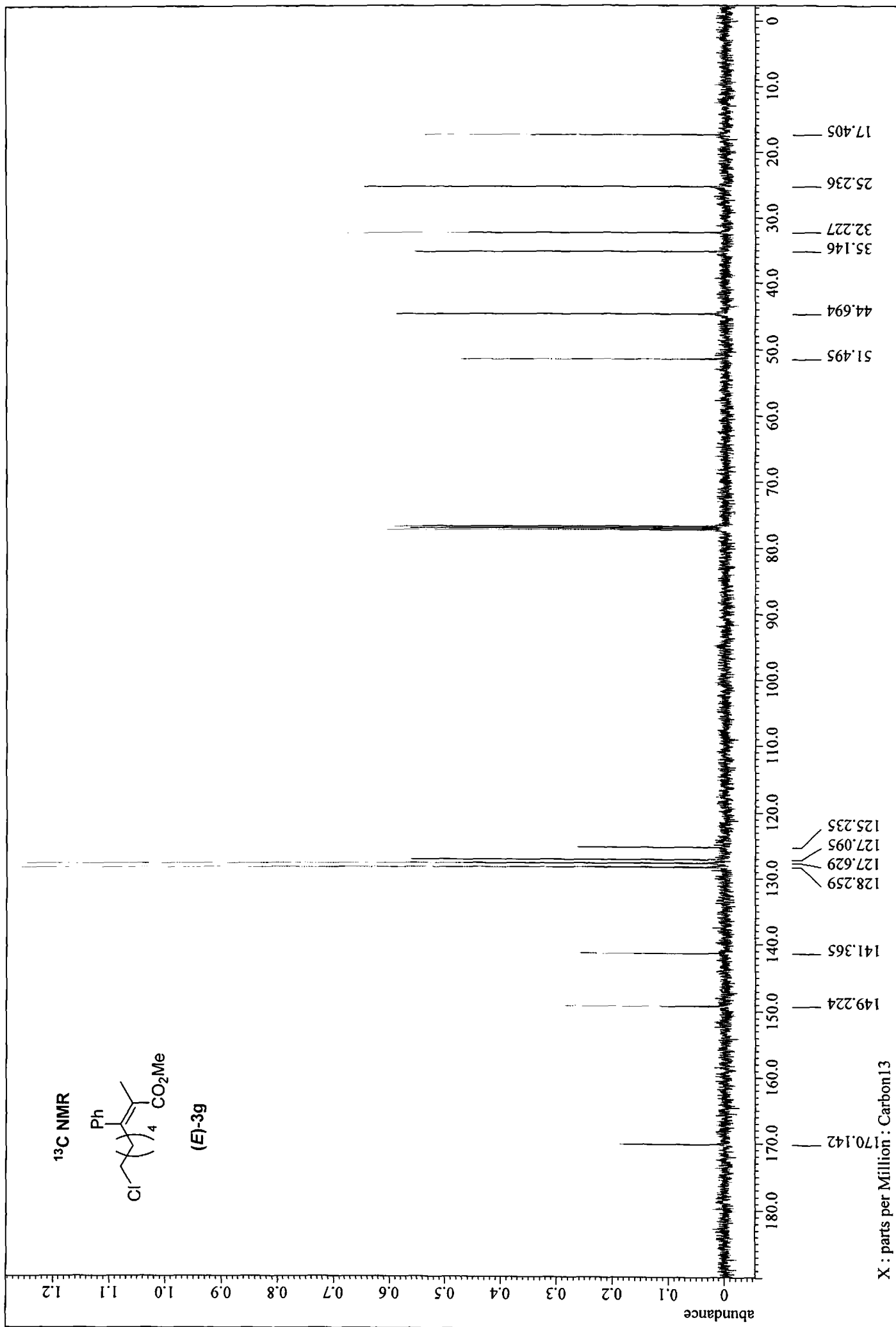


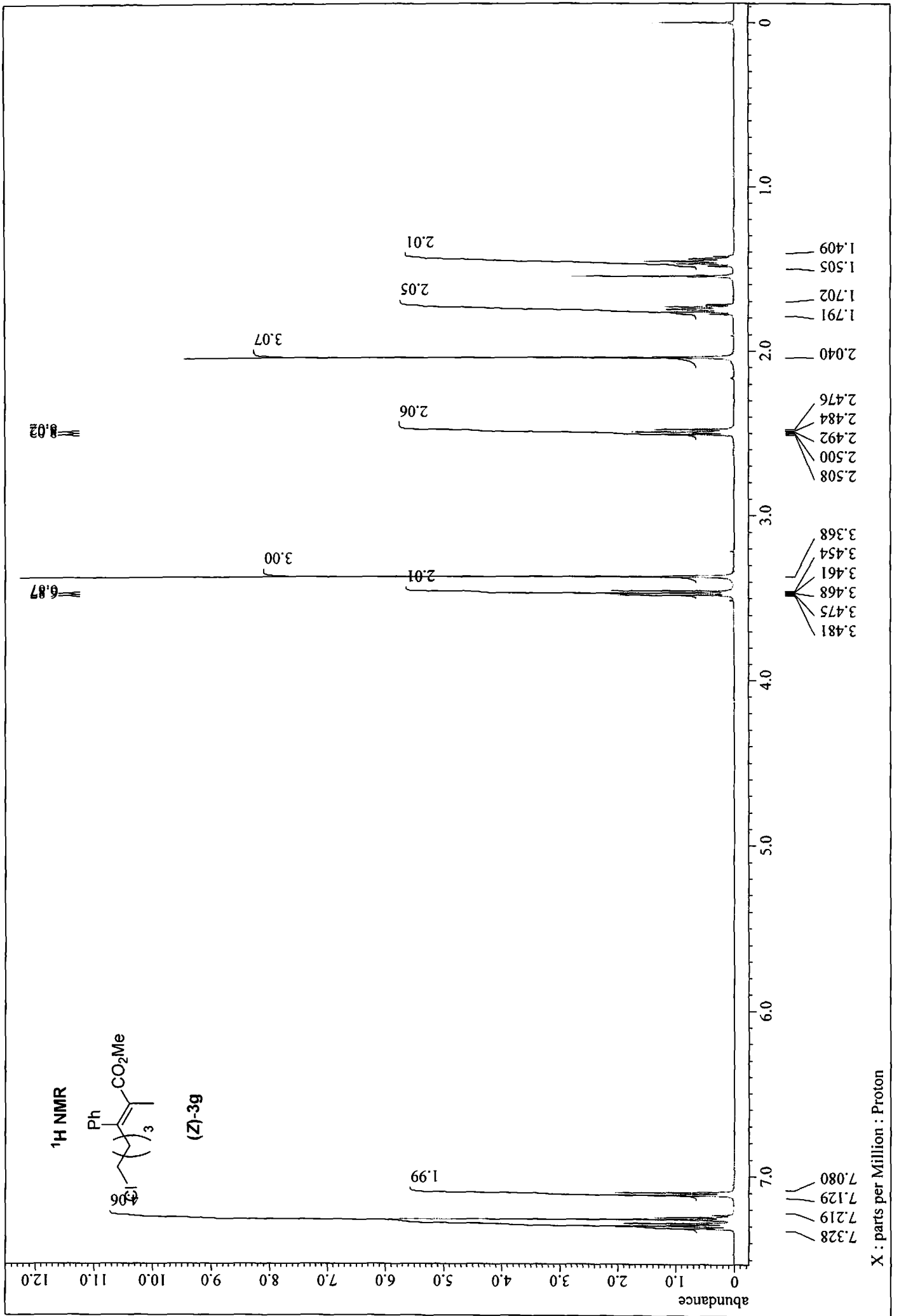




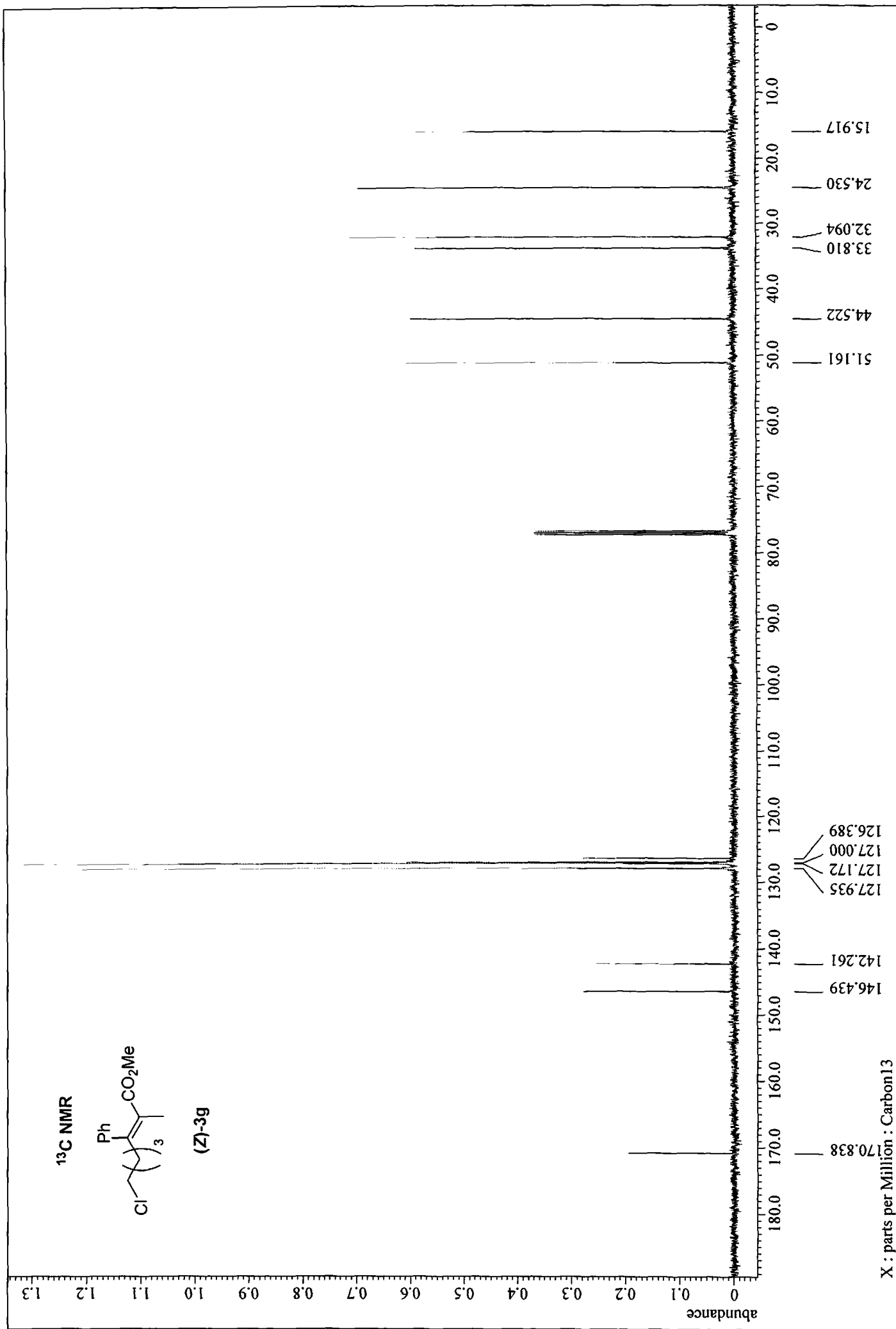


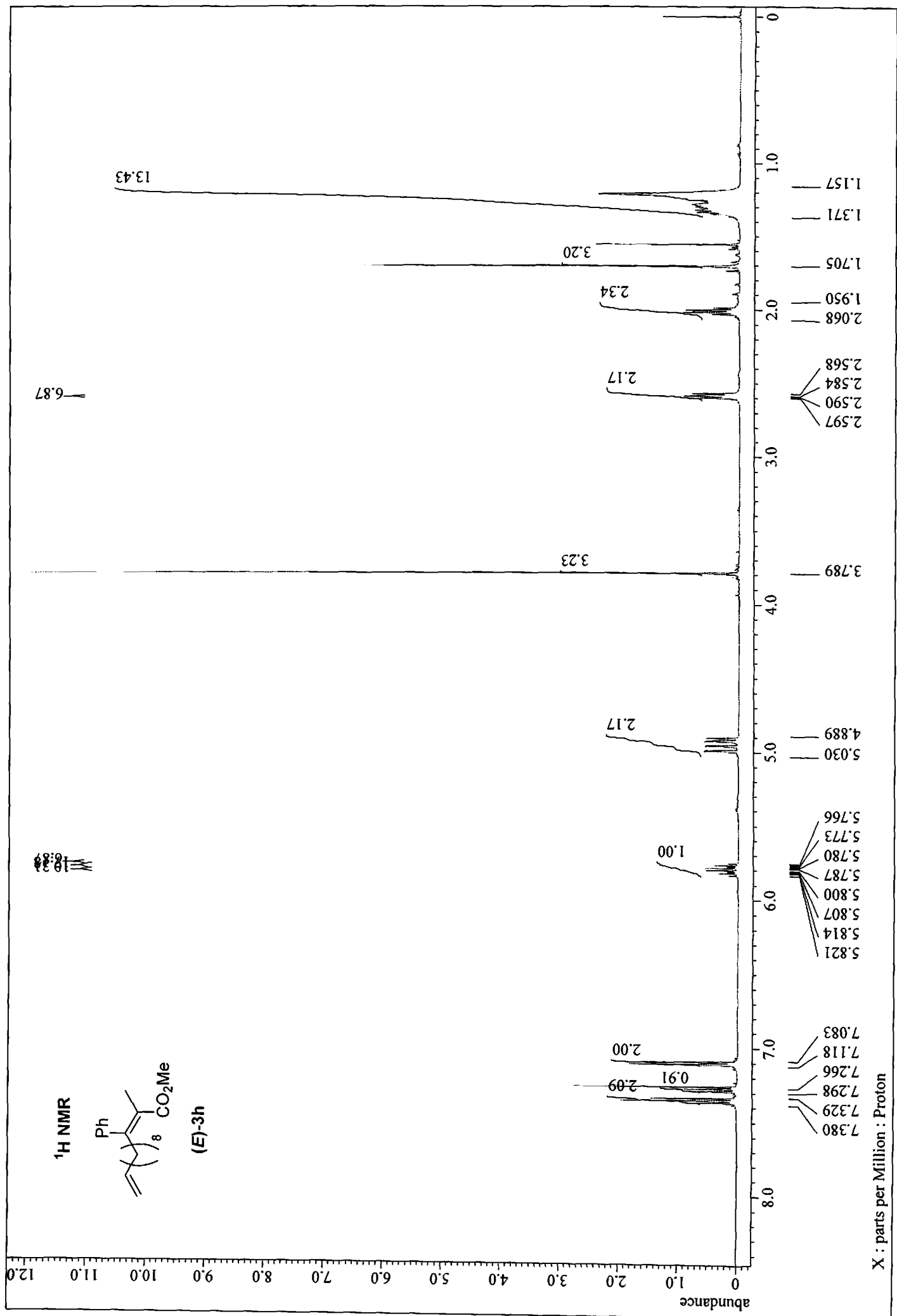


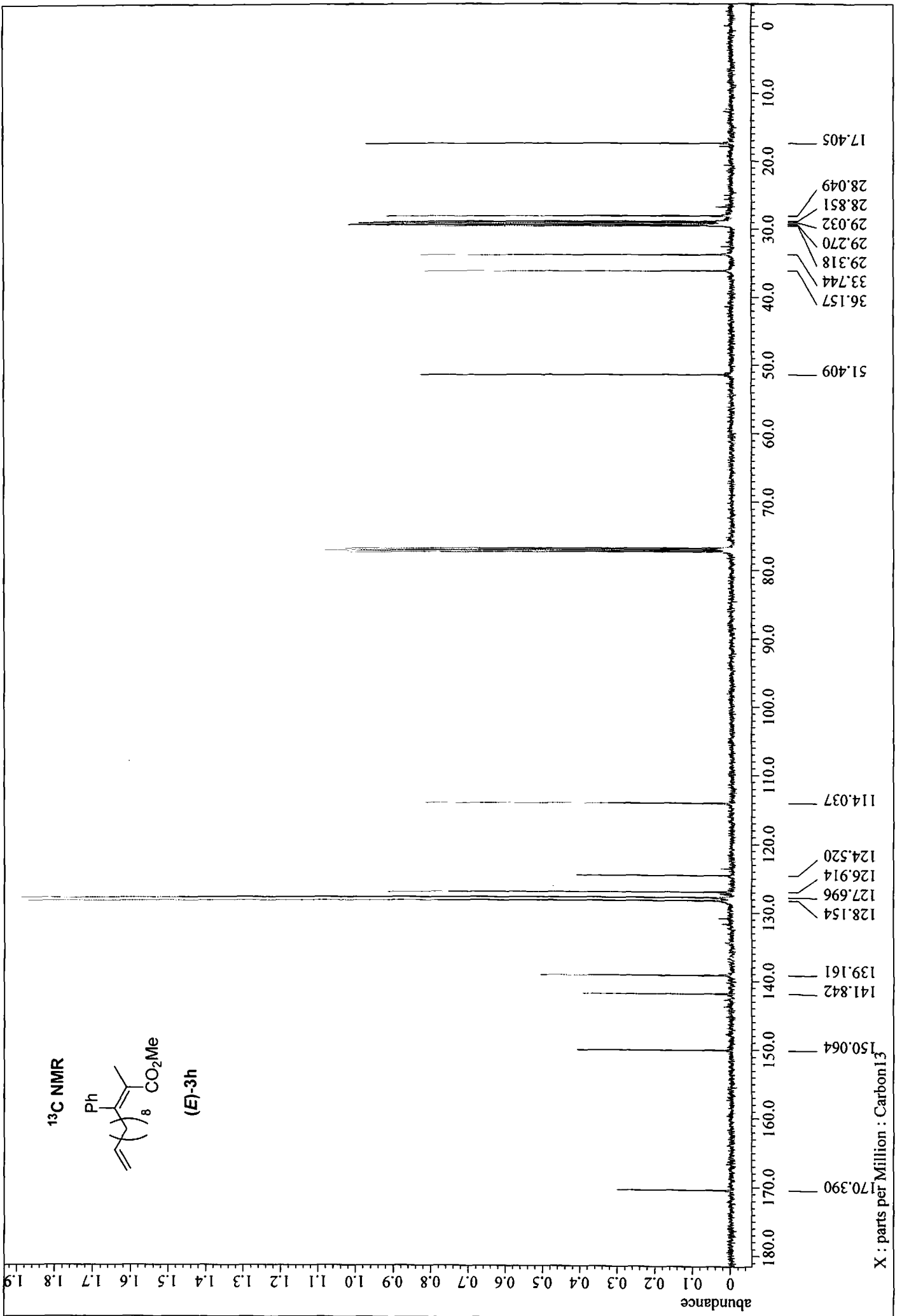


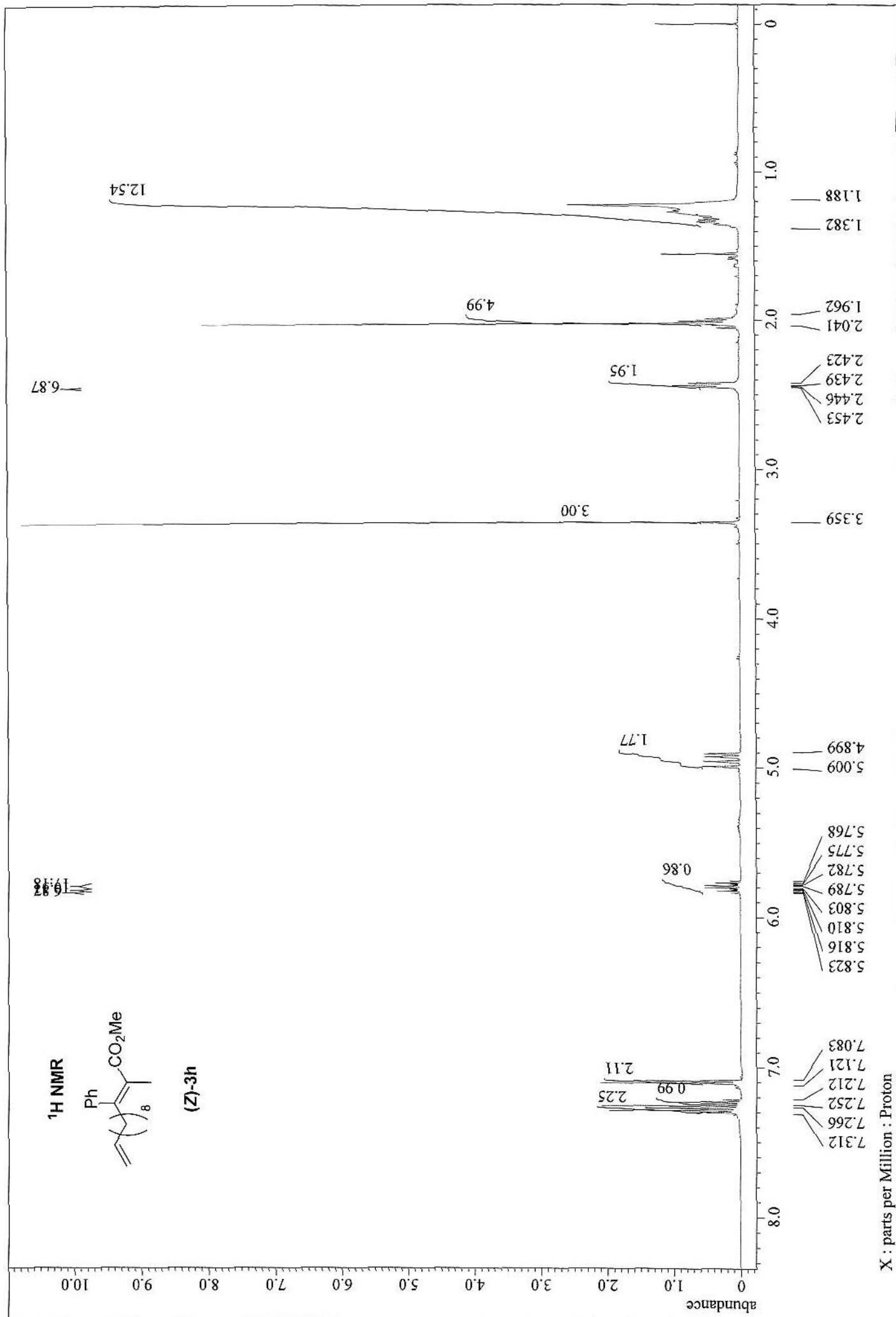


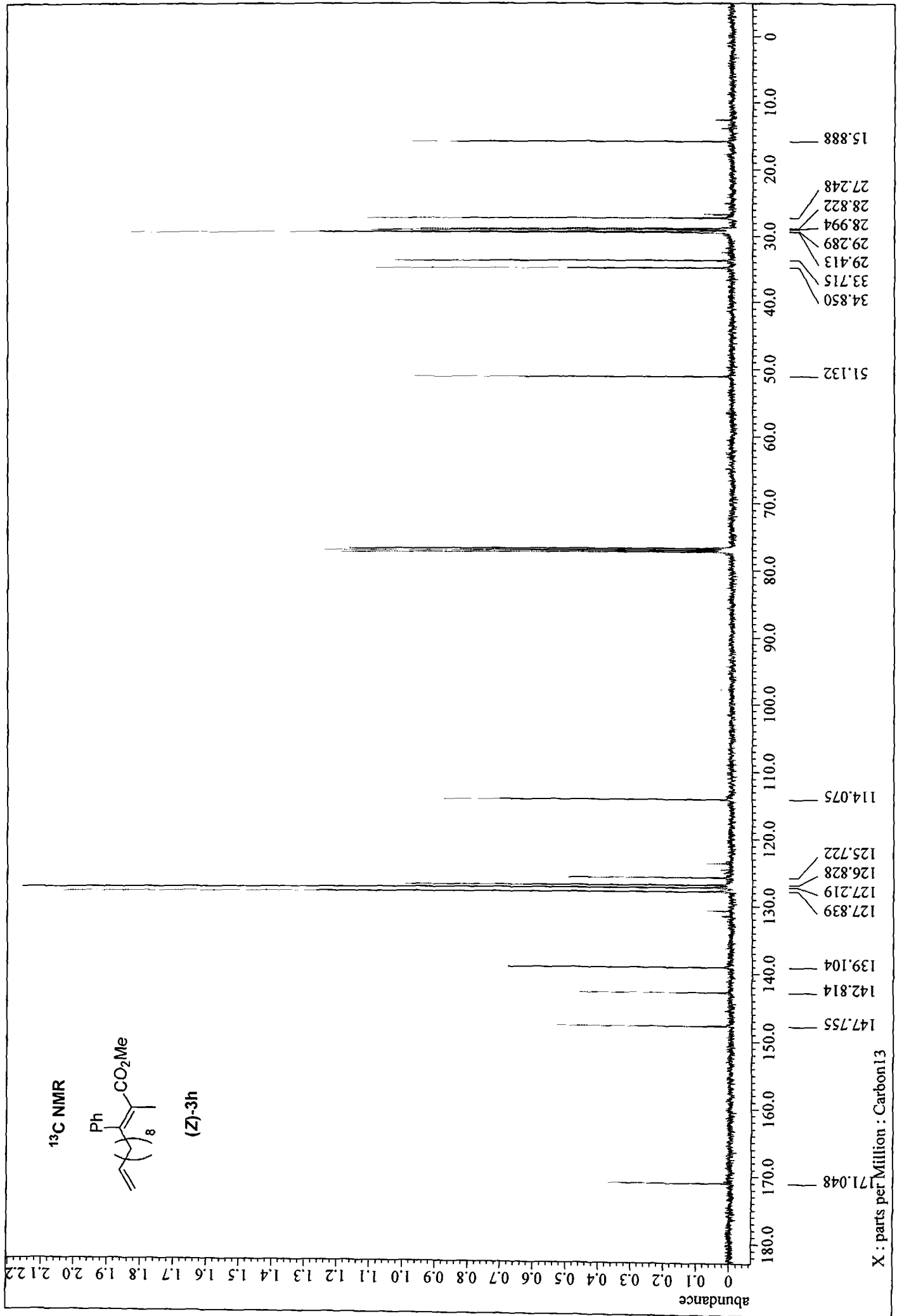
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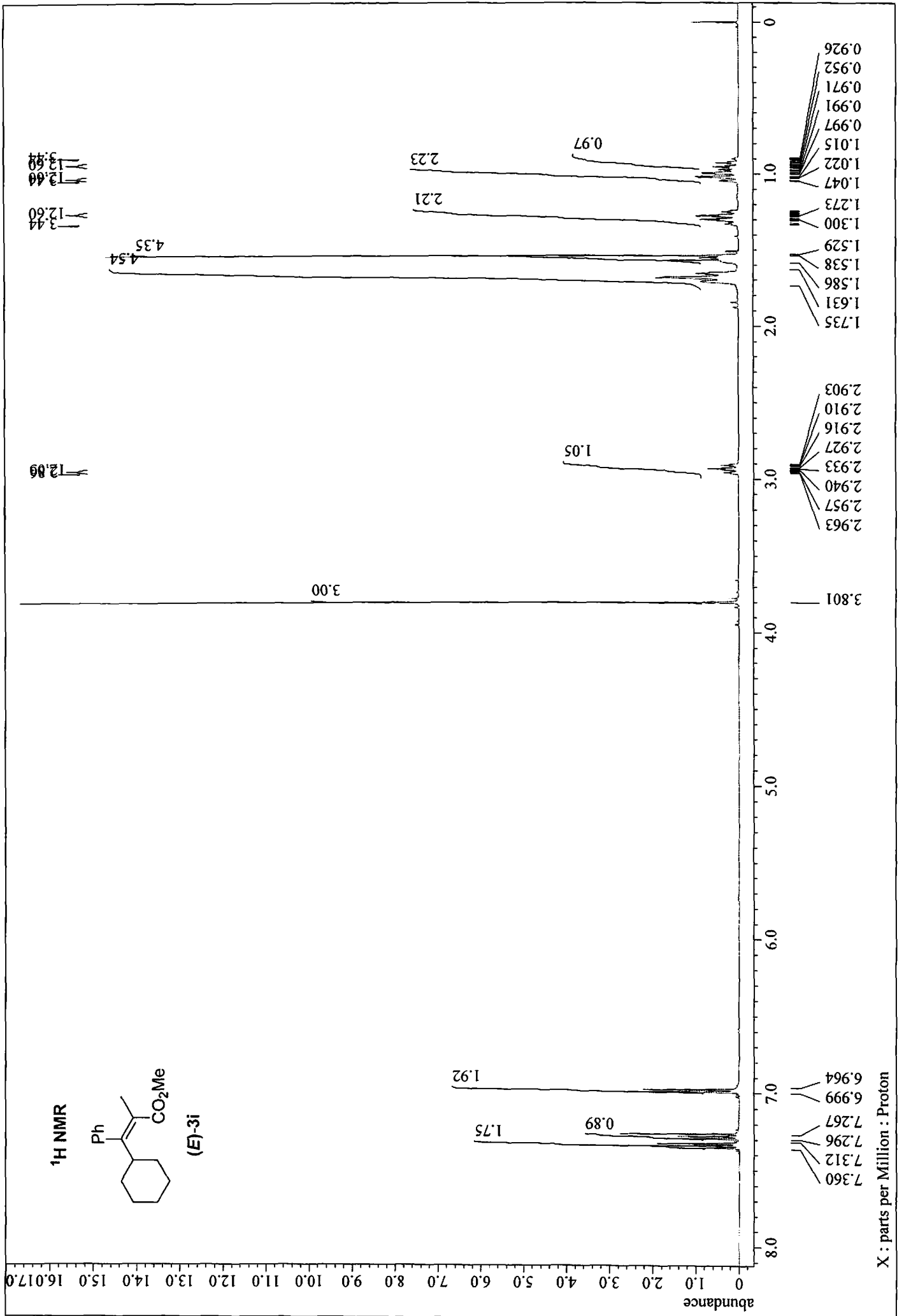


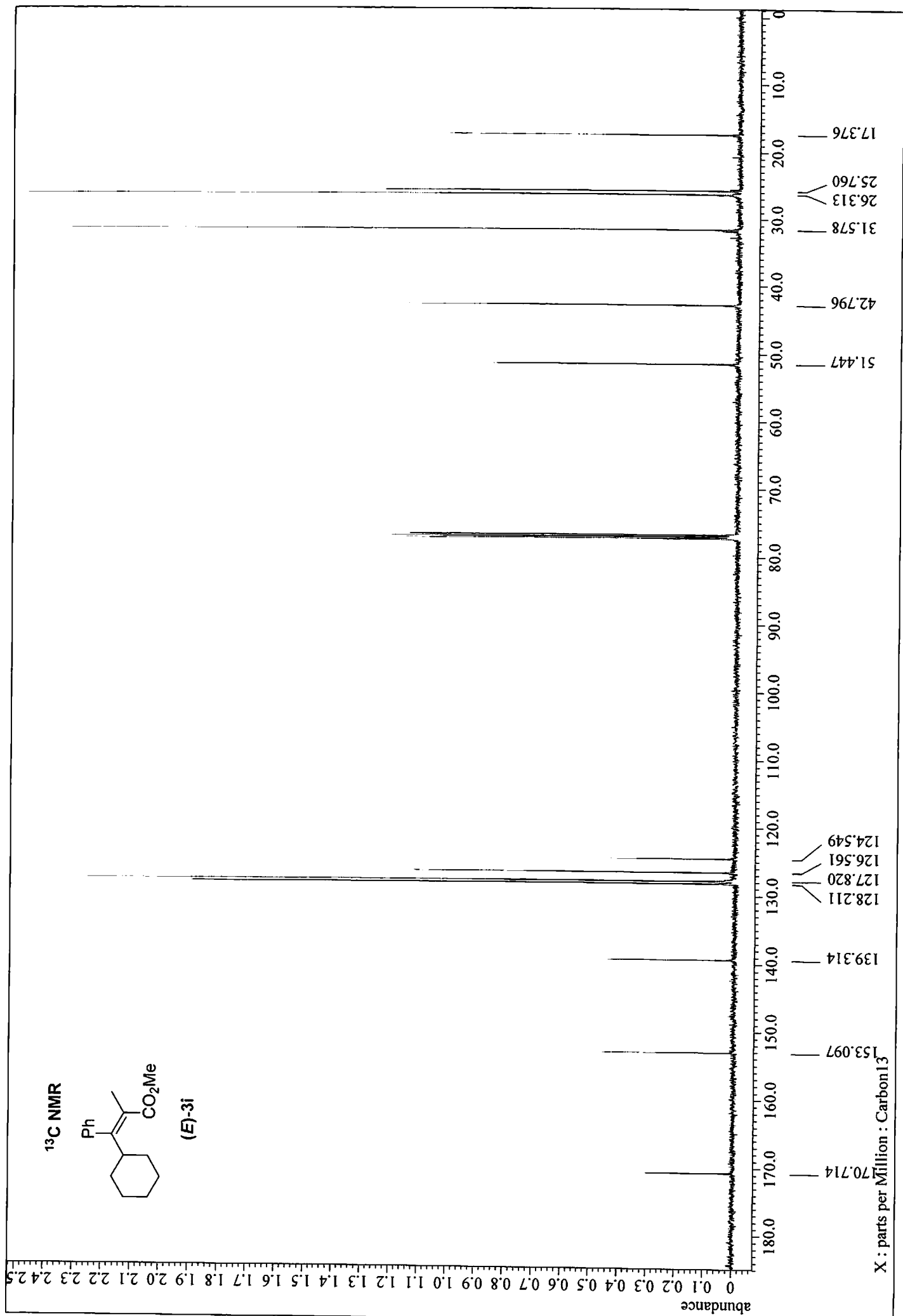


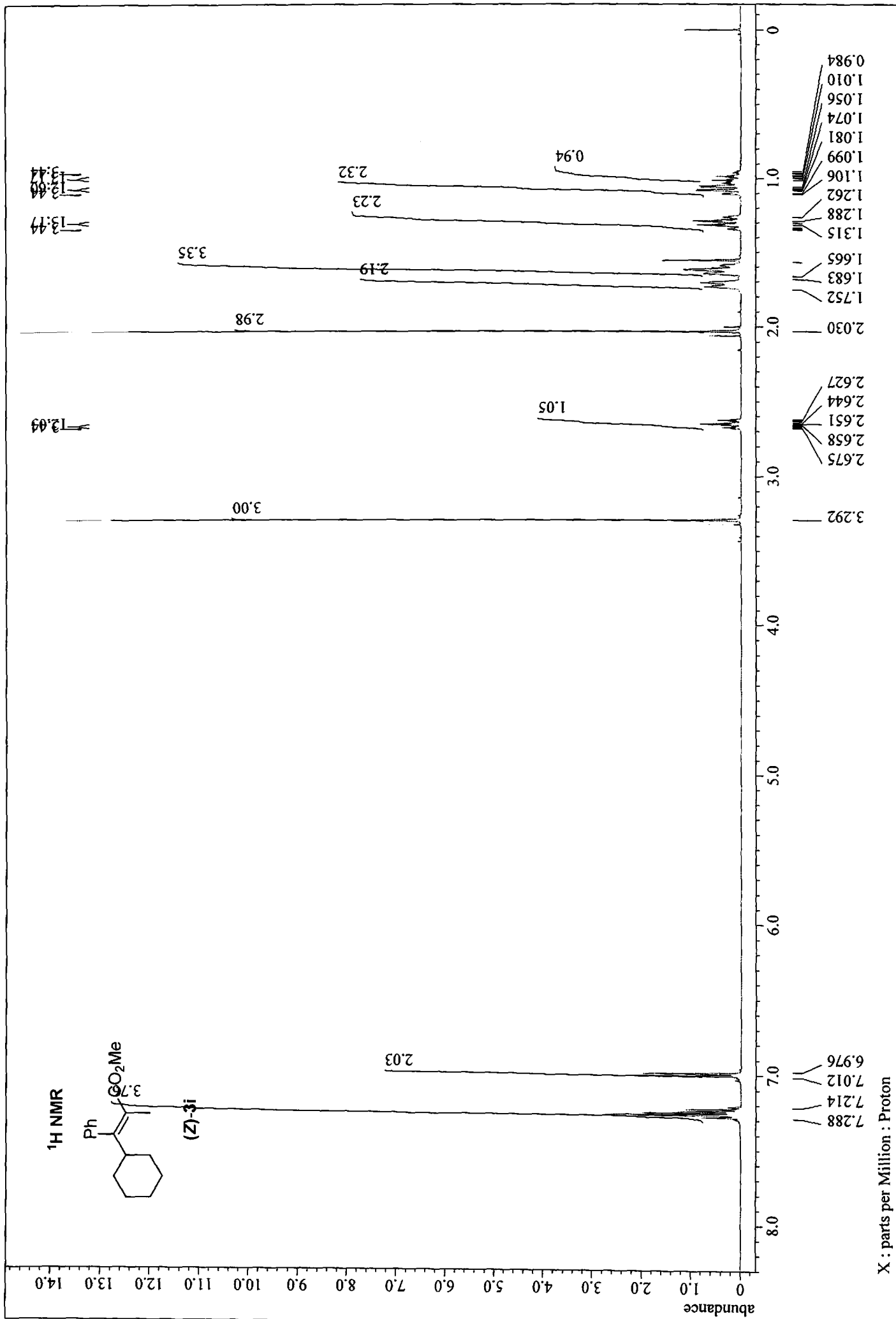


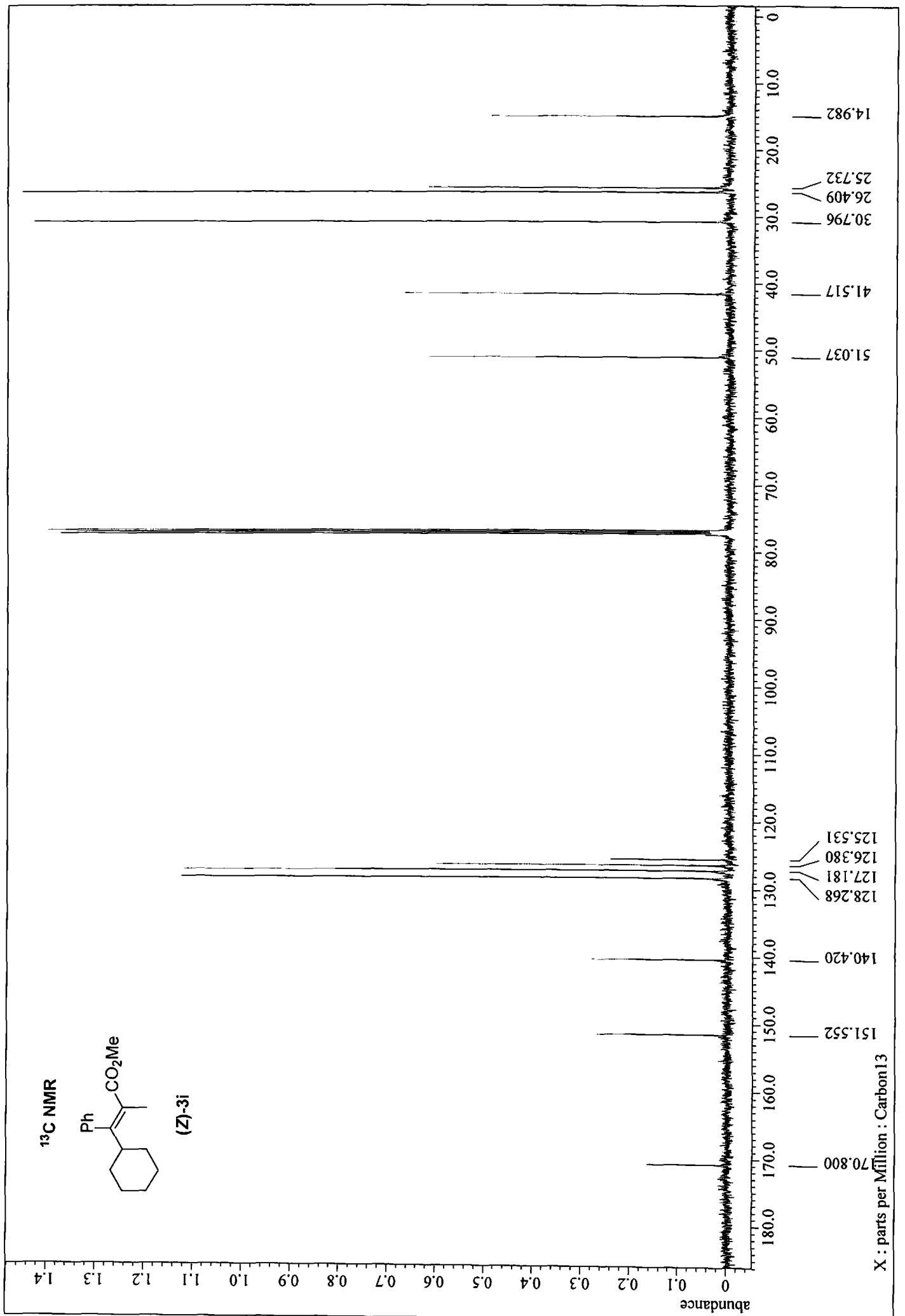


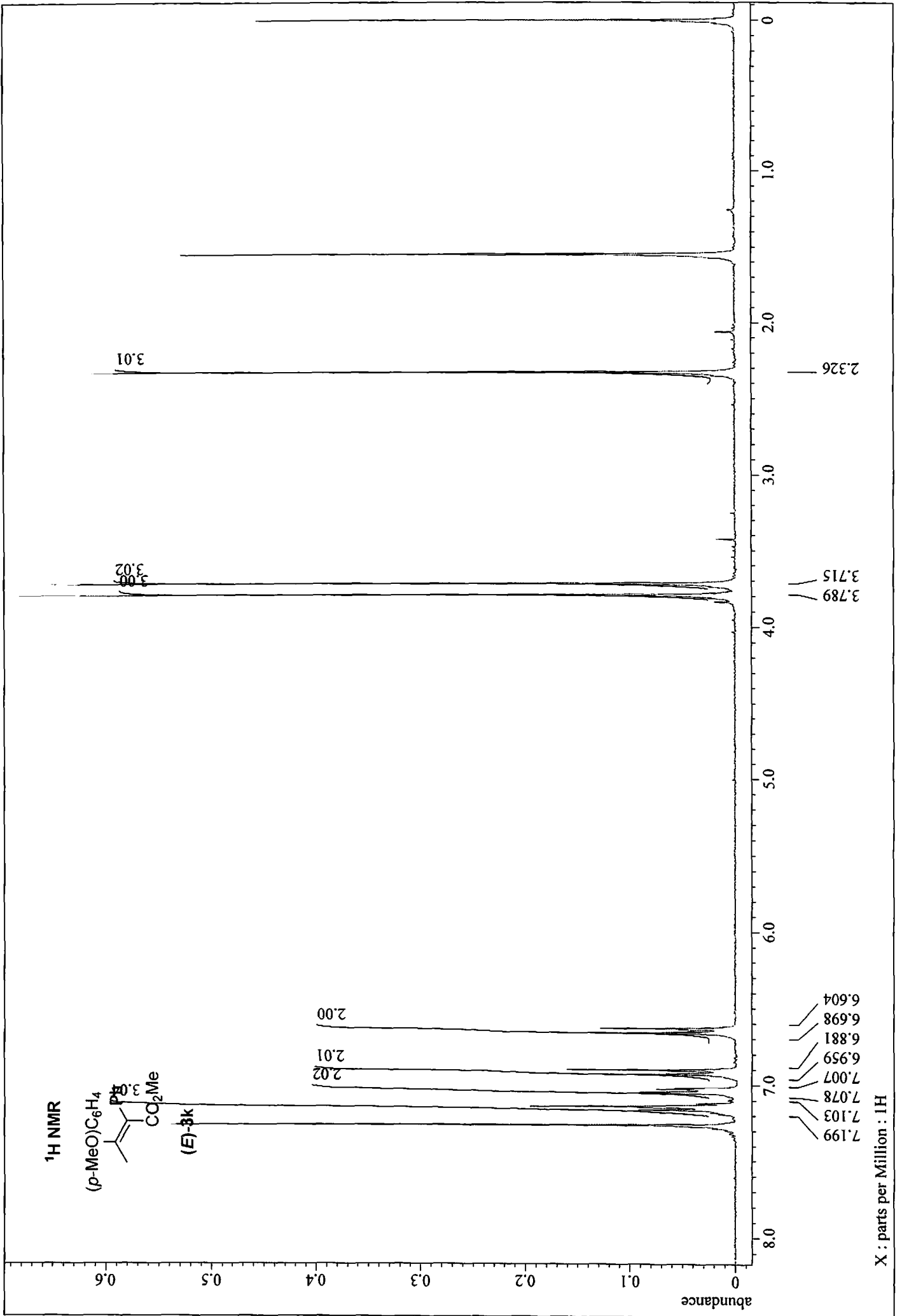


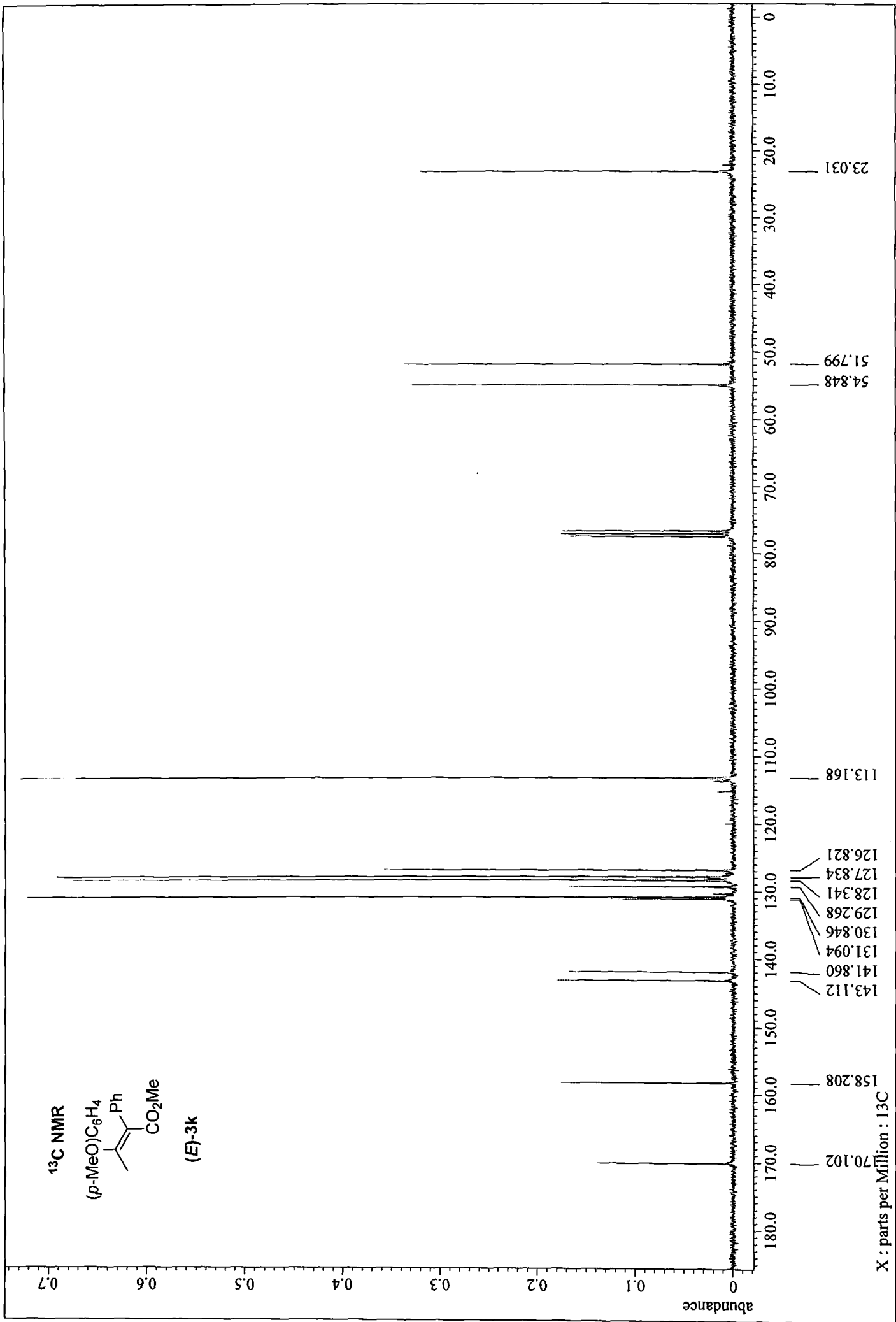


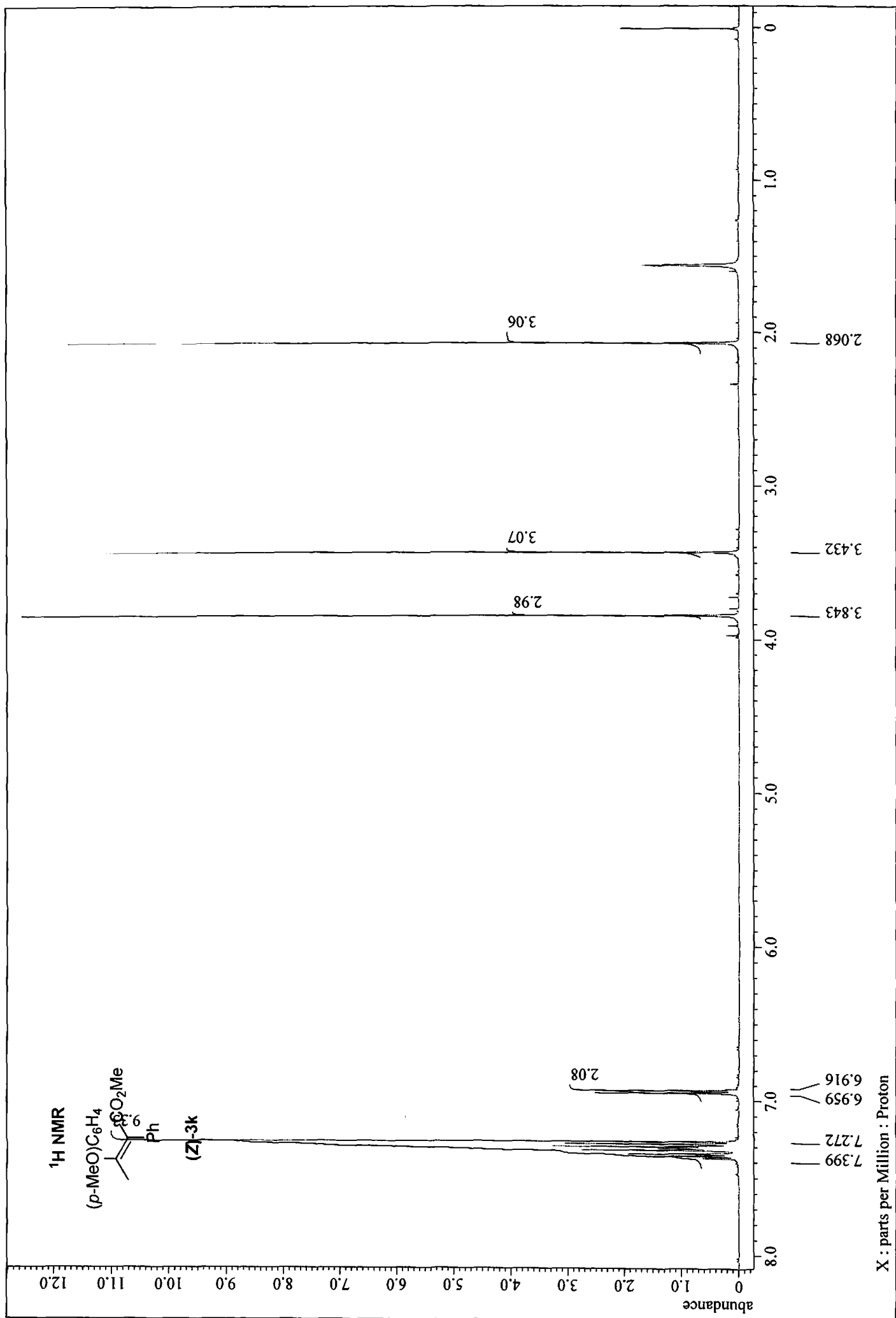


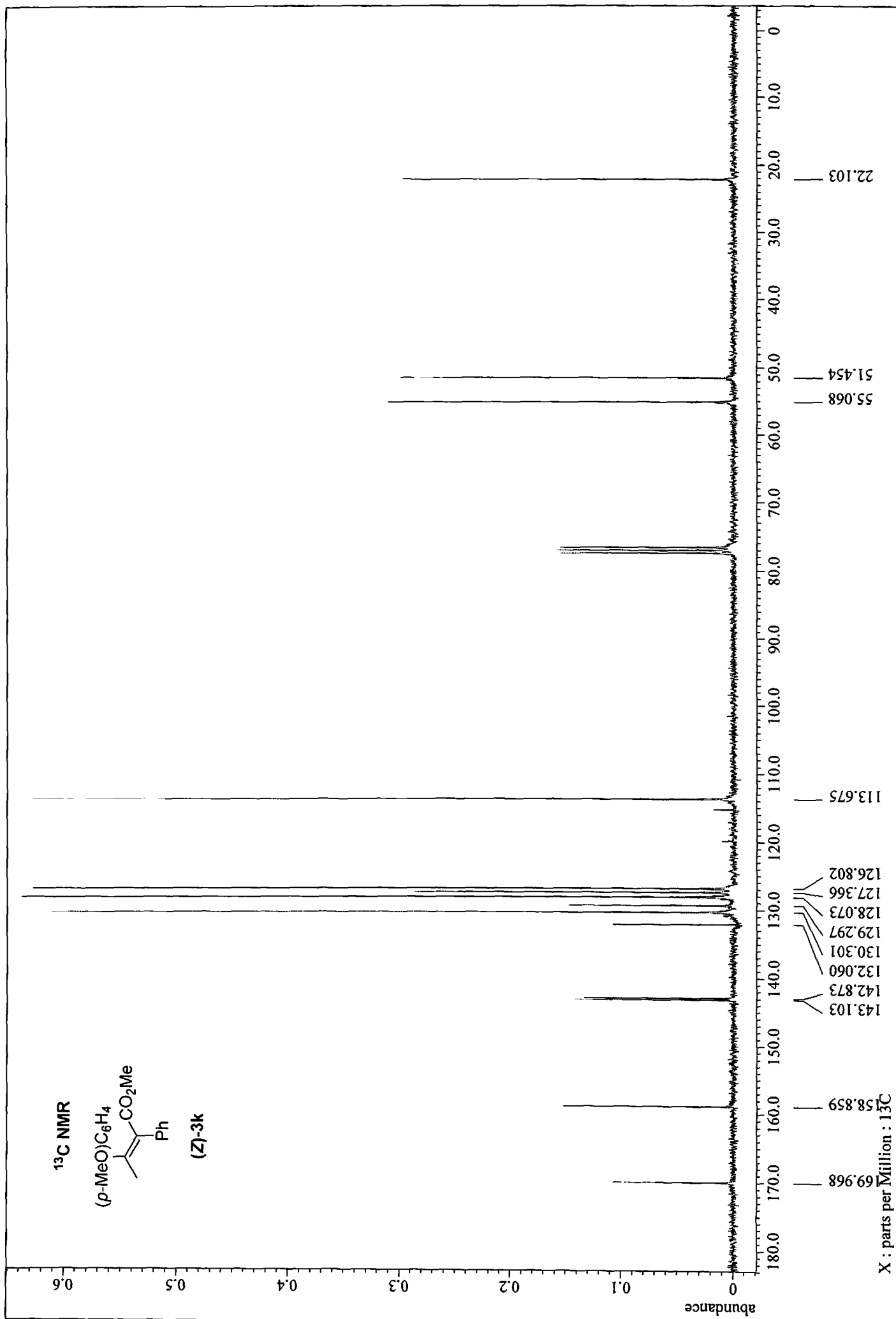


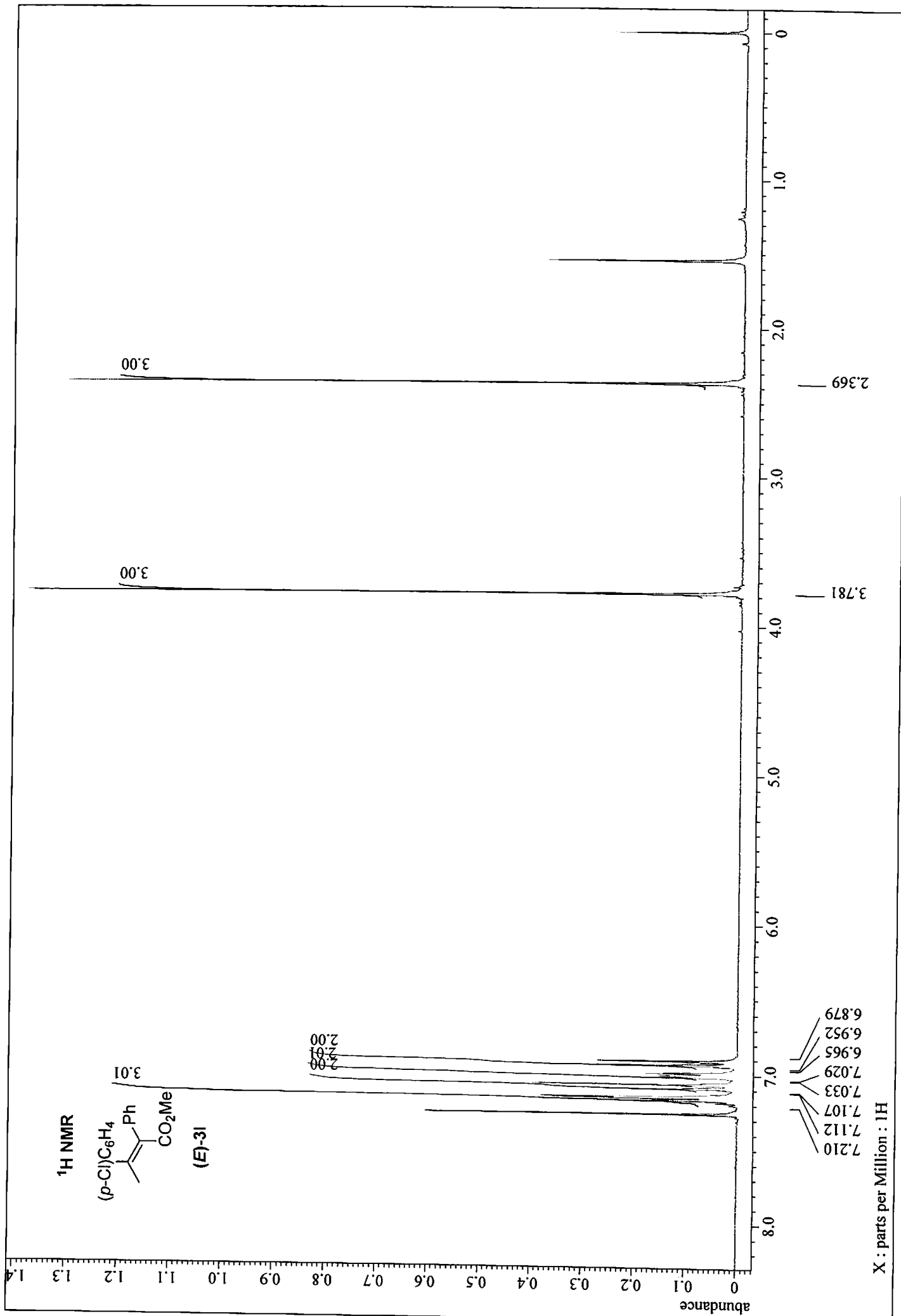


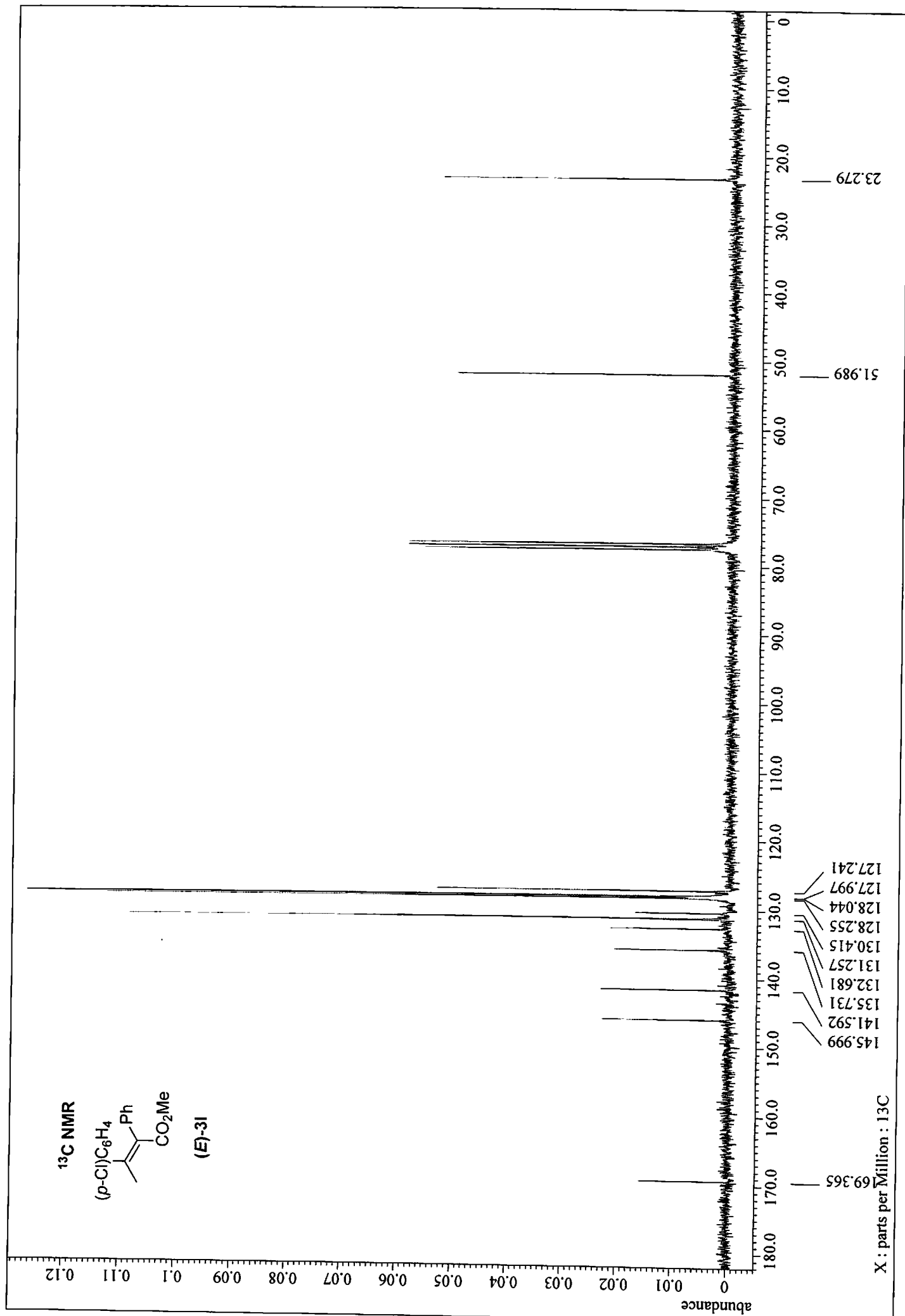


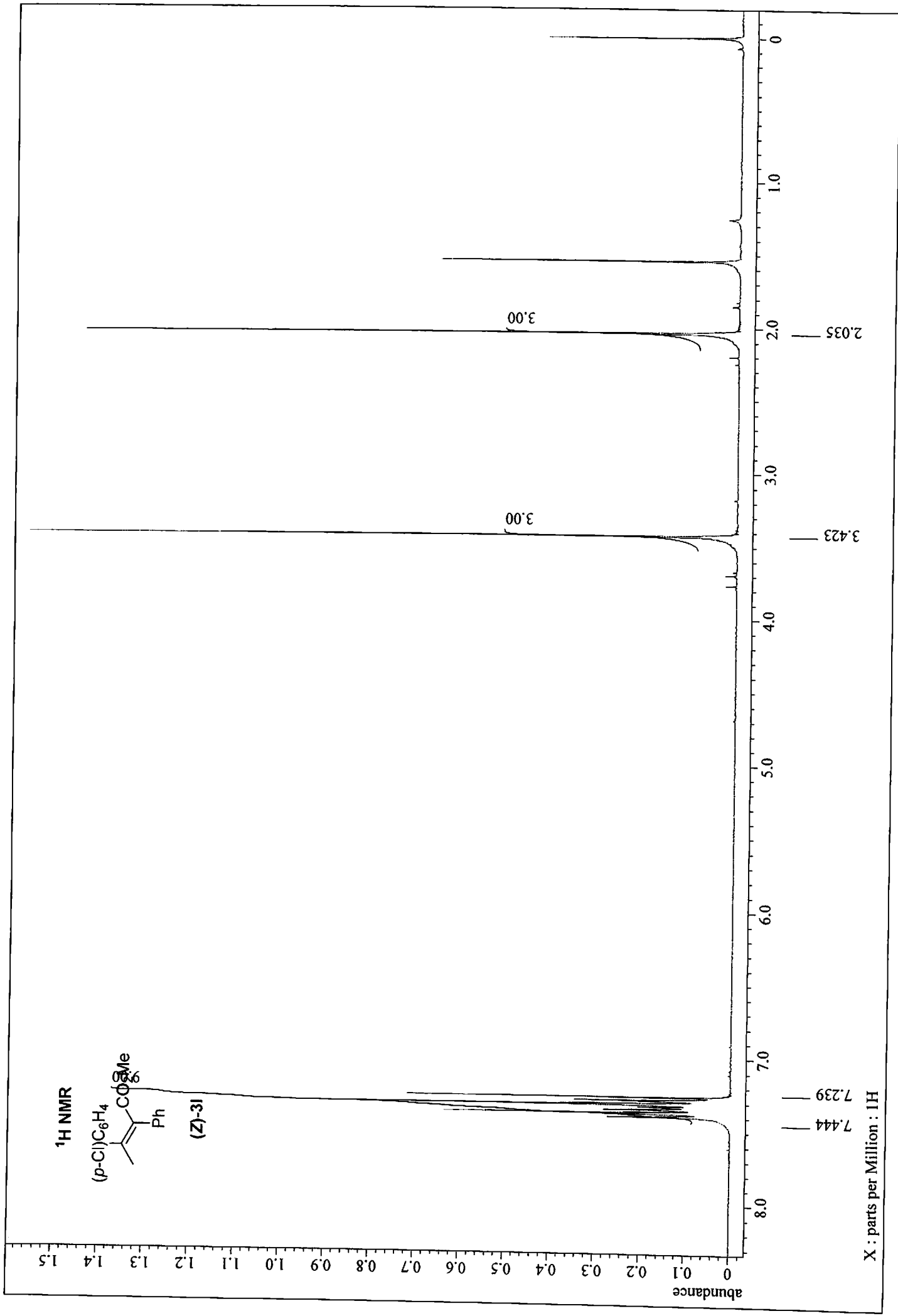


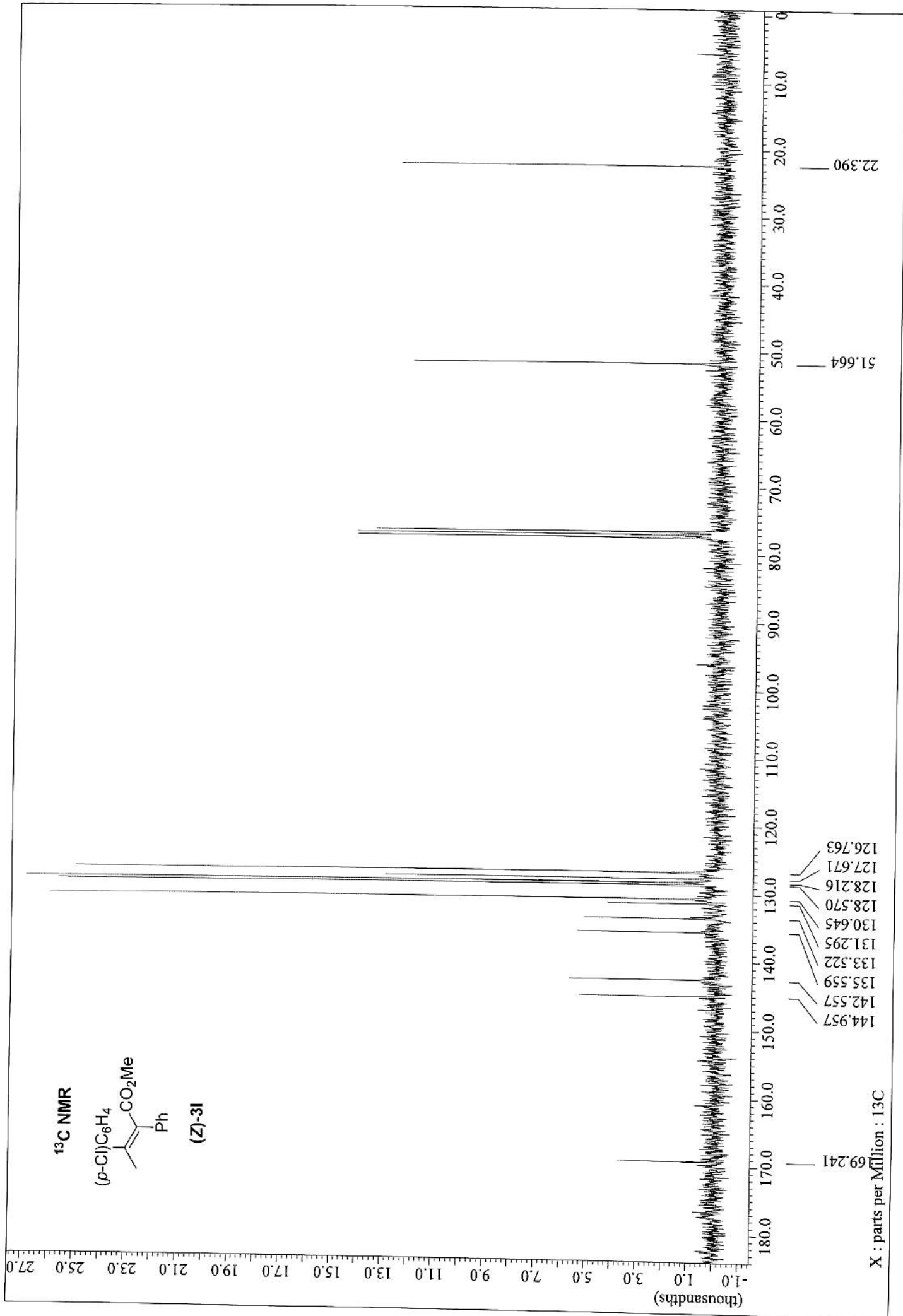


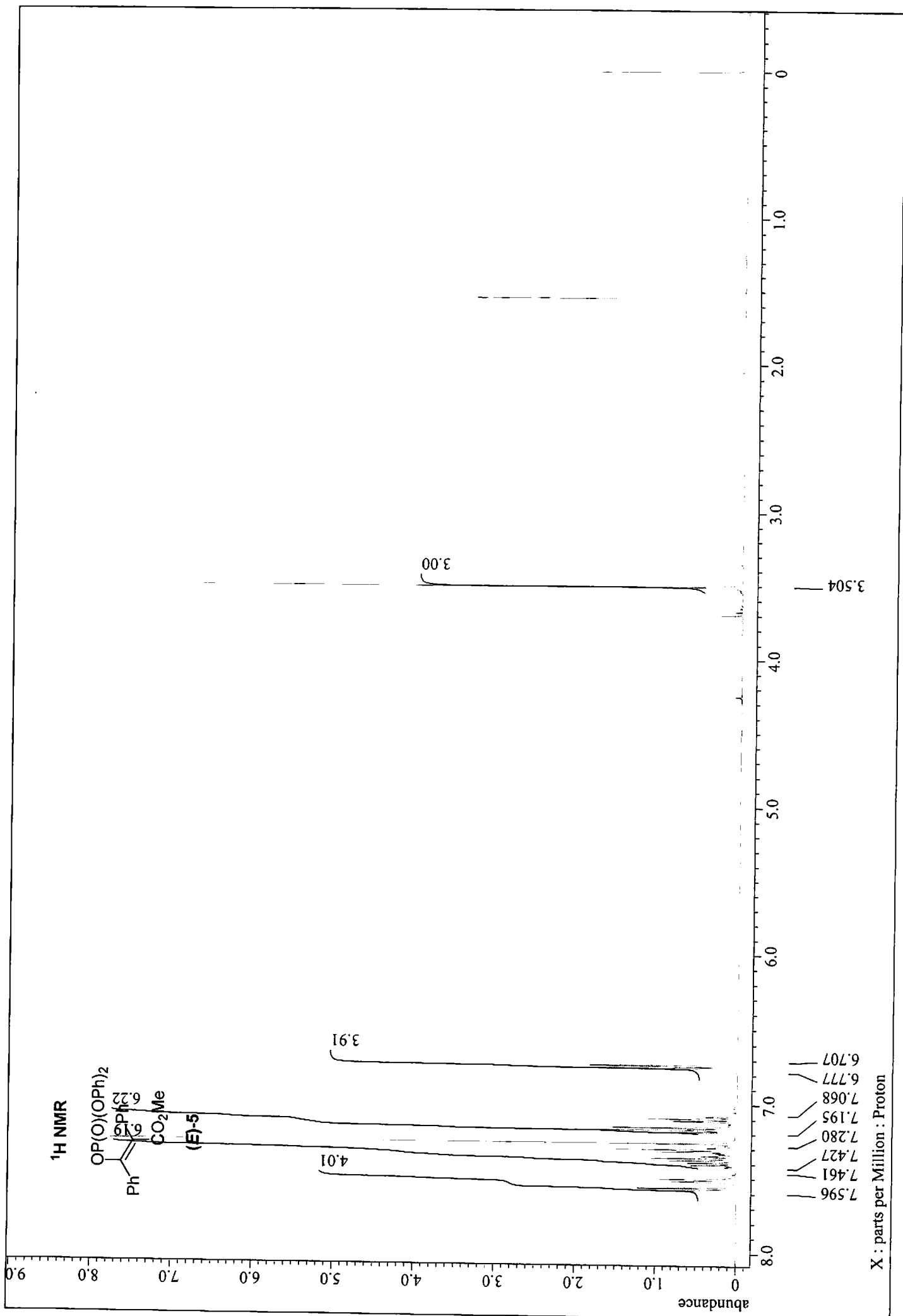


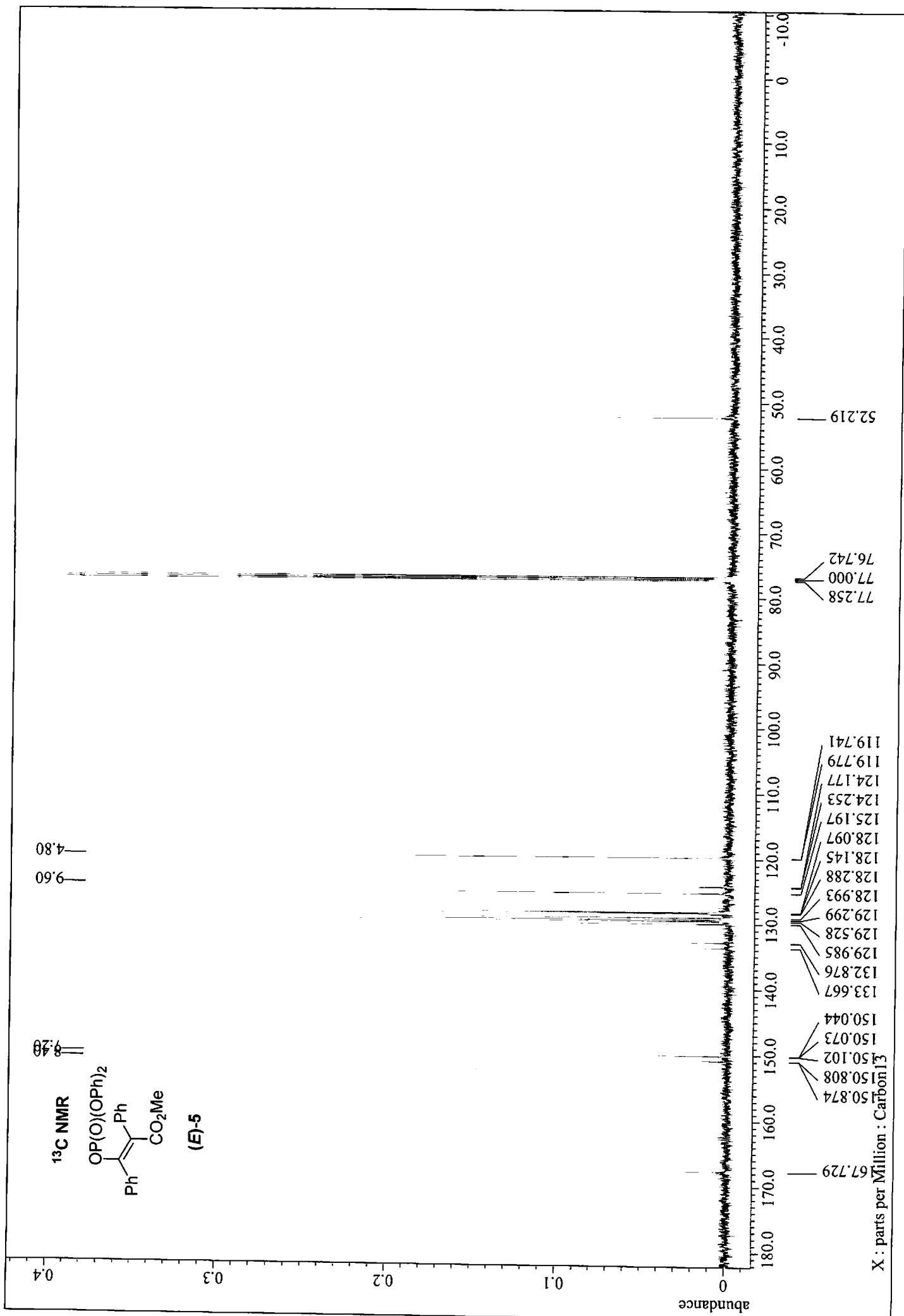


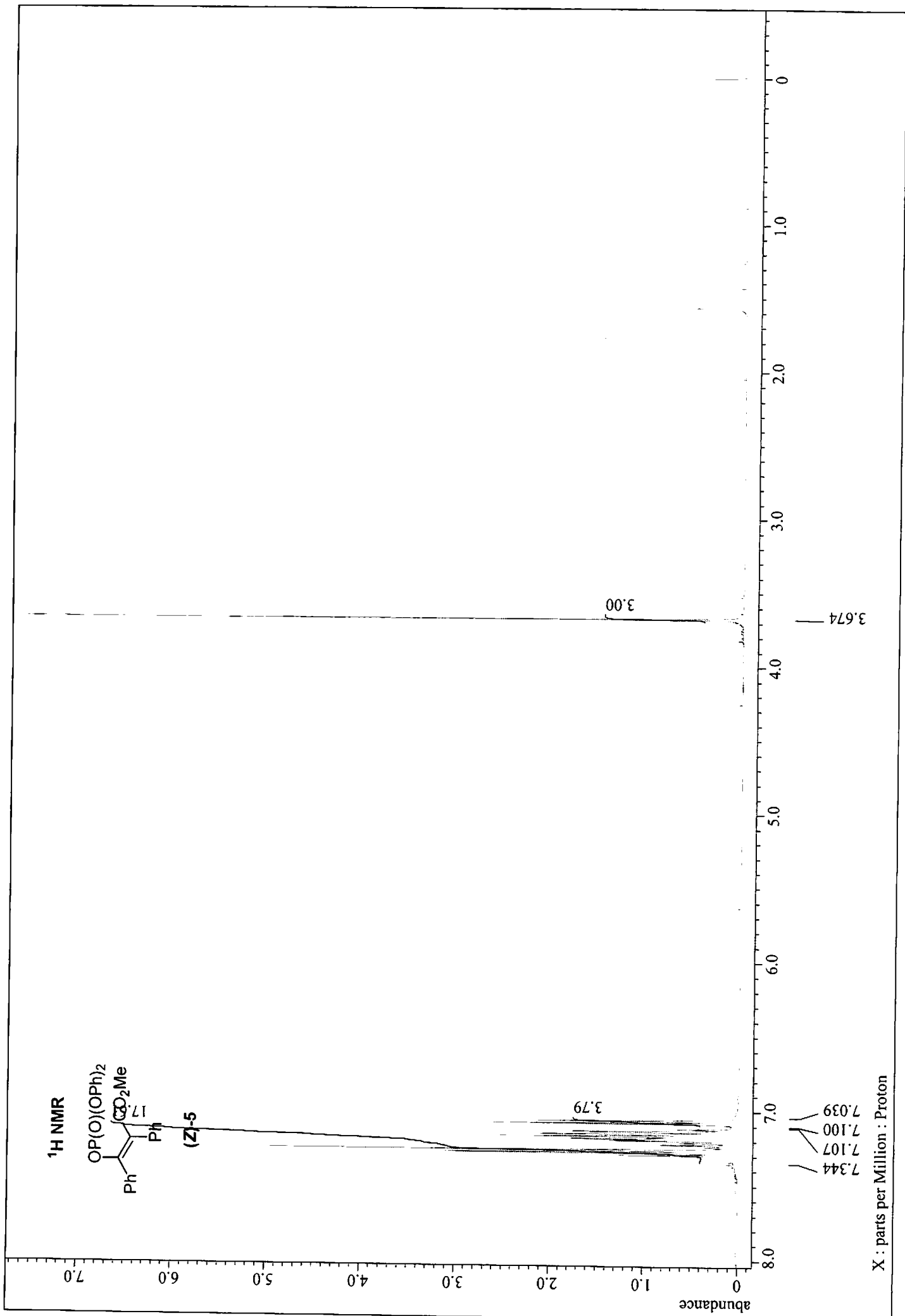


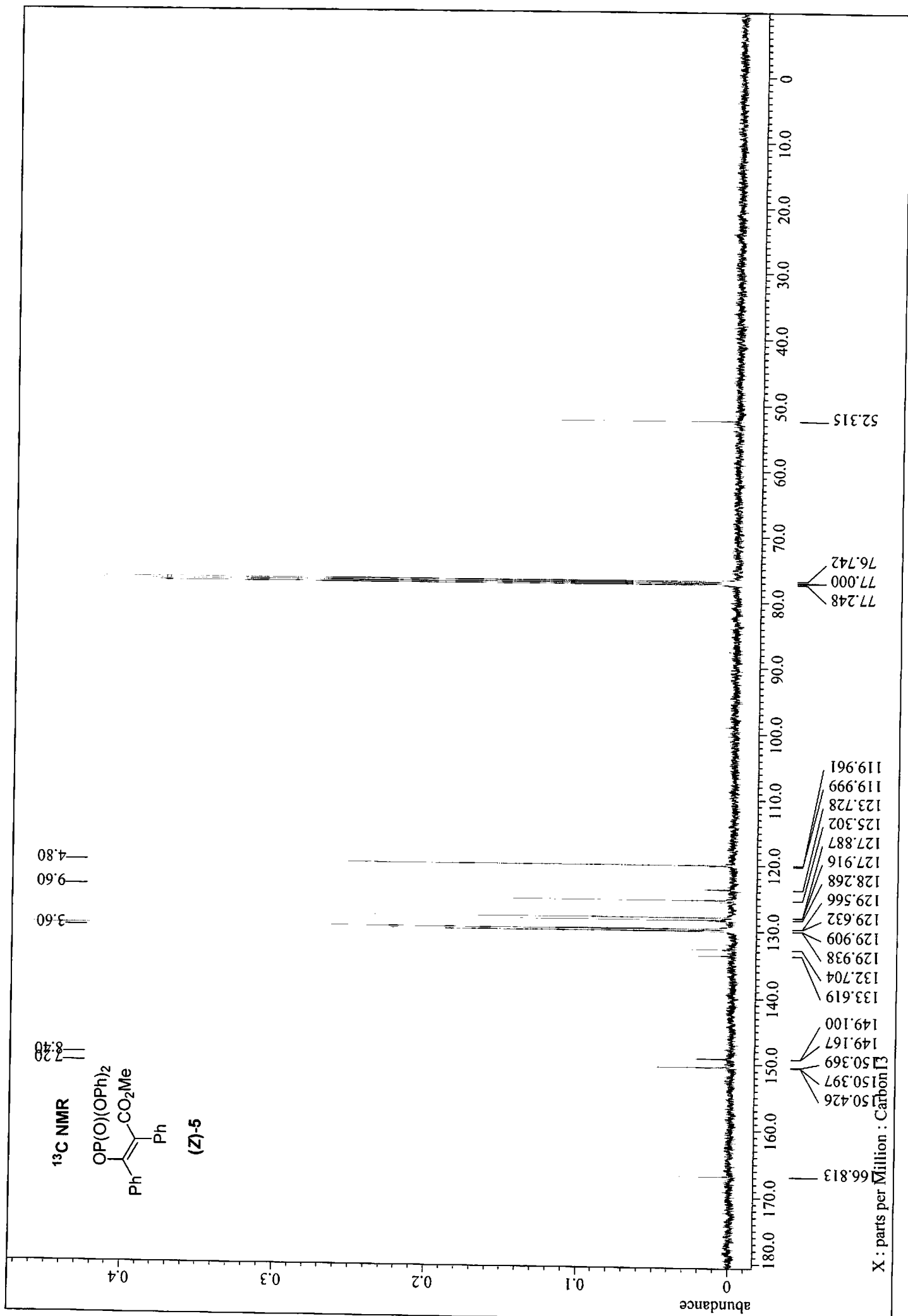


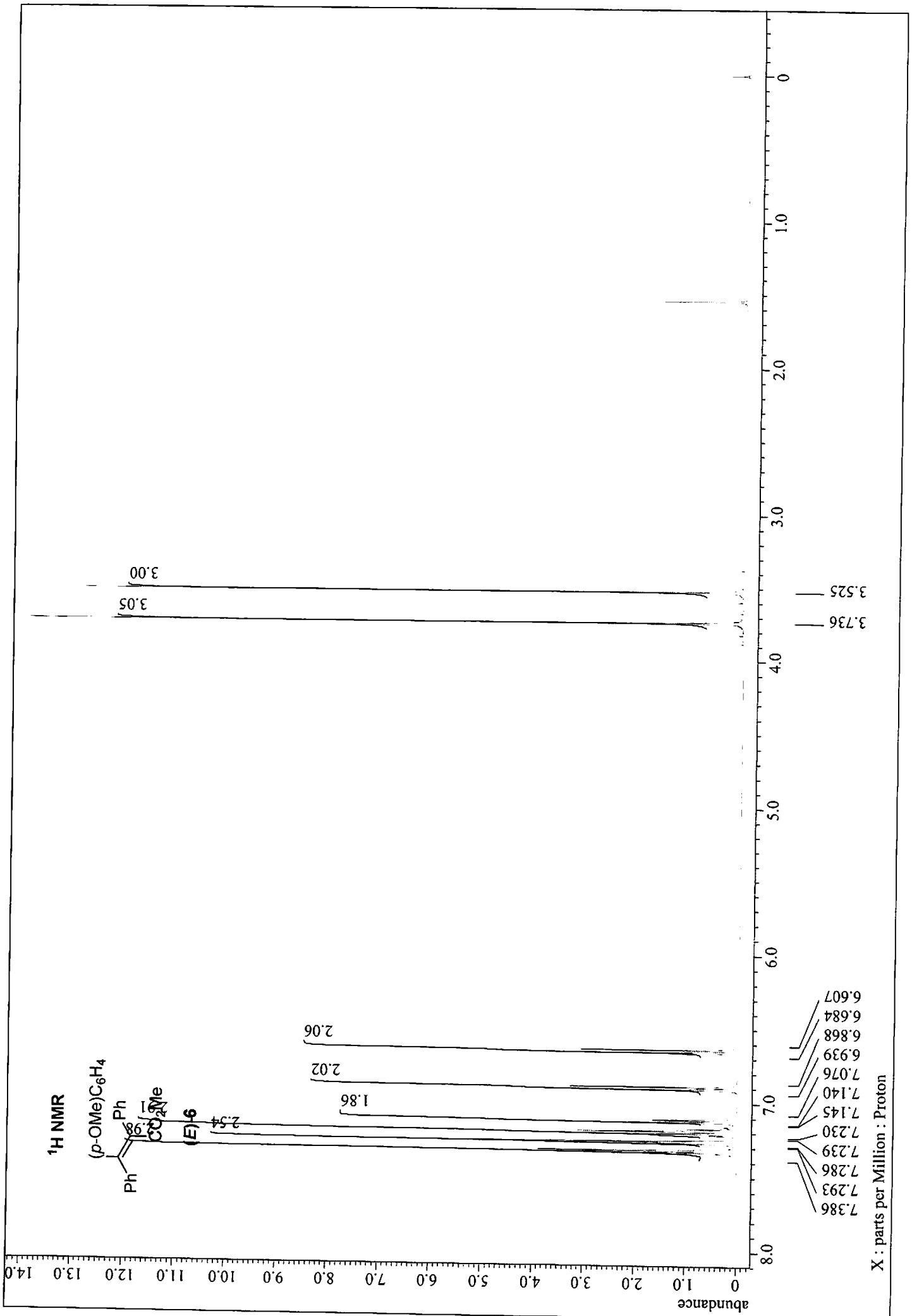




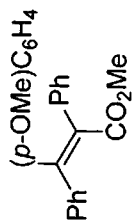








¹³C NMR



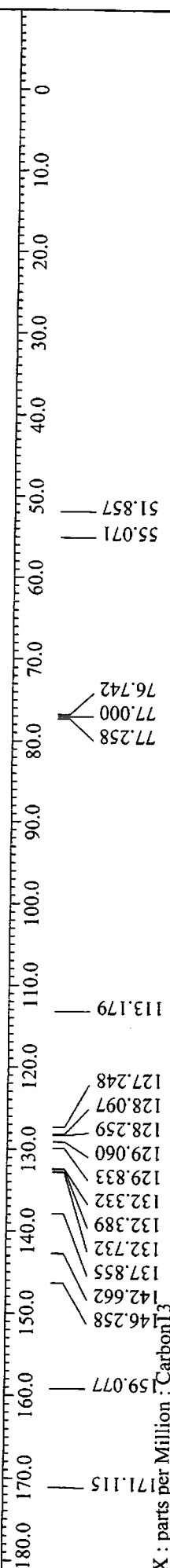
0.4

0.3

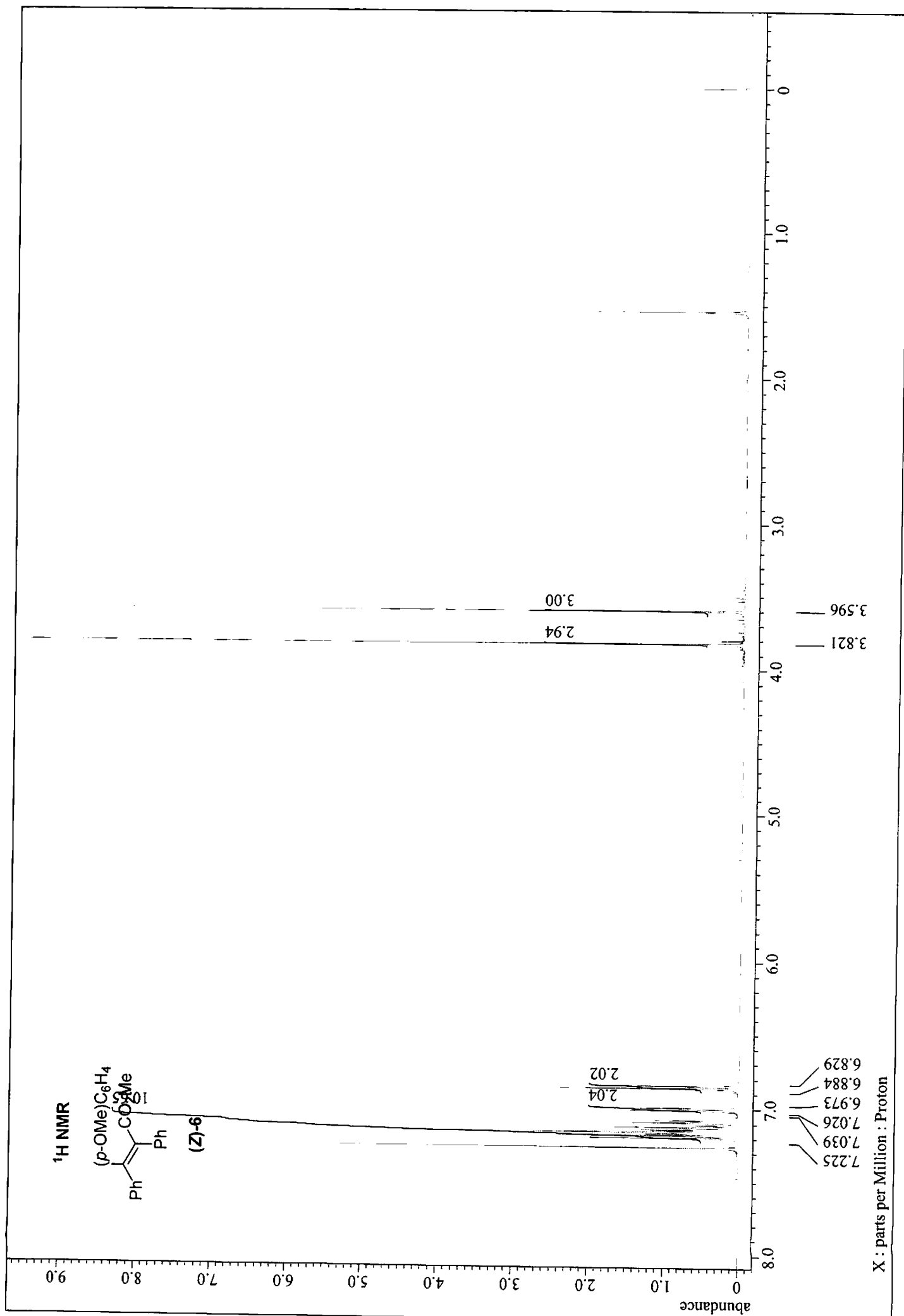
0.2

0.1

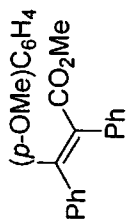
abundance



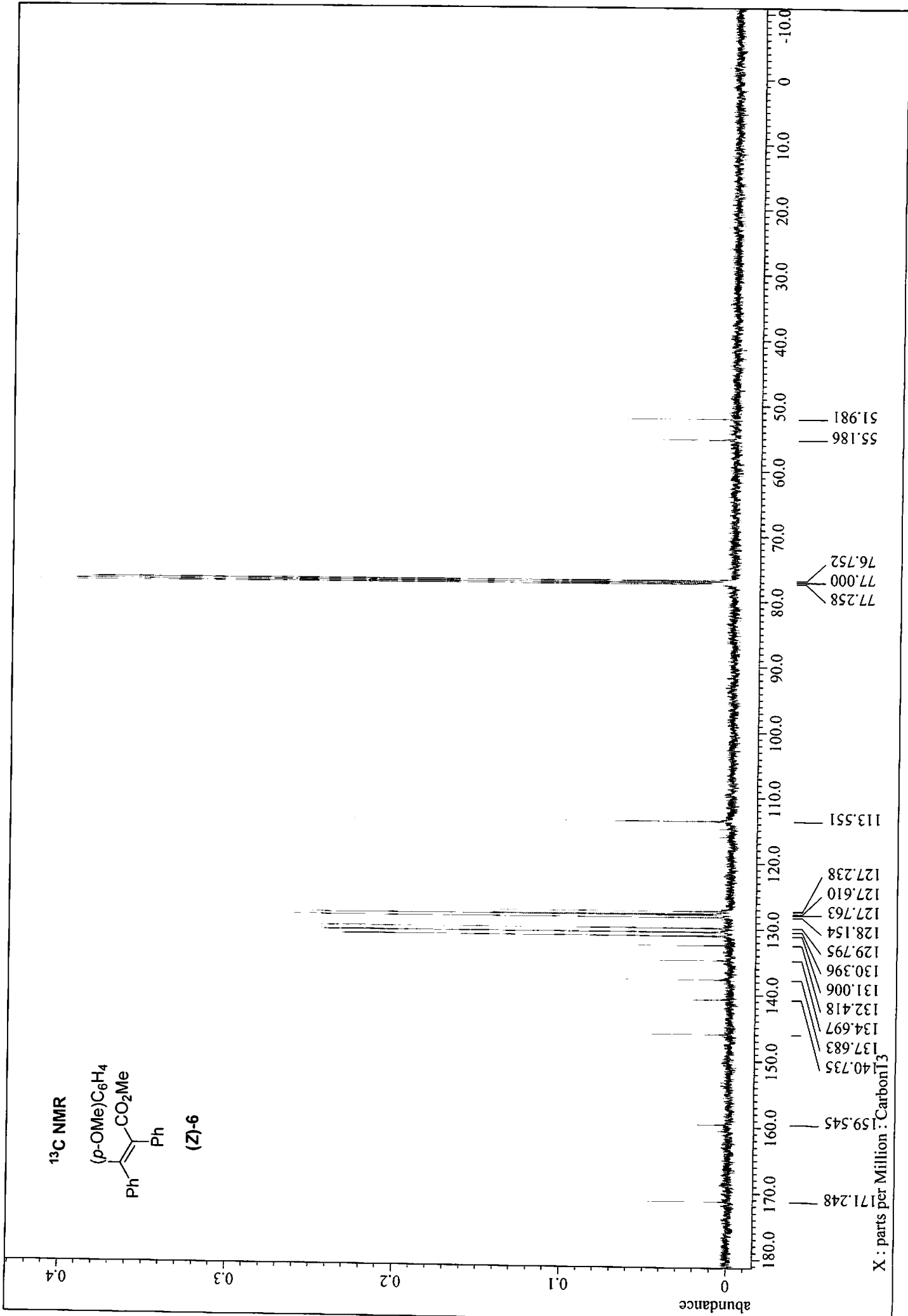
X : parts per Million : Carbon13



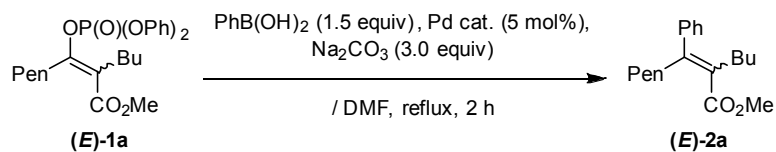
¹³C NMR



(Z)-6



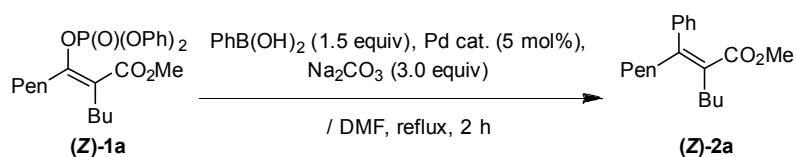
Screening of Pd catalyst for Suzuki-Miyaura coupling



entry	Pd cat.	yield / % ^a	entry	Pd cat.	yield / % ^a
1	$\text{Pd(PPh}_3)_4$	10	5	Pd(dppf)Cl_2	8
2	$\text{Pd(PPh}_3)_2\text{Cl}_2$	24	6	$\text{Pd(OAc)}_2, \text{PCy}_3$	12
3	Pd(dppb)Cl_2	83 ^b (<i>E</i> / <i>Z</i> = 83 / 17)	7	$\text{Pd(OAc)}_2, \text{P}^t\text{Bu}_3\text{-HBF}_4$	12
4	Pd(dppe)Cl_2	25			

a) Determined by ¹H NMR of the crude products using dibutyl oxalate as an internal standard.

b) Isolated.



entry	Pd cat.	yield / % ^a	entry	Pd cat.	yield / % ^a
1	$\text{Pd(PPh}_3)_4$	13	5	Pd(dppf)Cl_2	trace
2	$\text{Pd(PPh}_3)_2\text{Cl}_2$	11	6	$\text{Pd(OAc)}_2, \text{PCy}_3$	6 (<i>E</i> only)
3	Pd(dppb)Cl_2	91 ^b	7	$\text{Pd(OAc)}_2, \text{P}^t\text{Bu}_3\text{-HBF}_4$	42 (<i>E</i> / <i>Z</i> = 84 / 16)
4	Pd(dppe)Cl_2	8 (<i>E</i> only)			

a) Determined by ¹H NMR of the crude products using dibutyl oxalate as an internal standard.

b) Isolated.