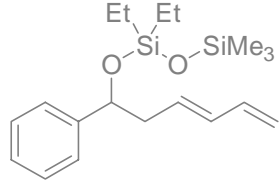
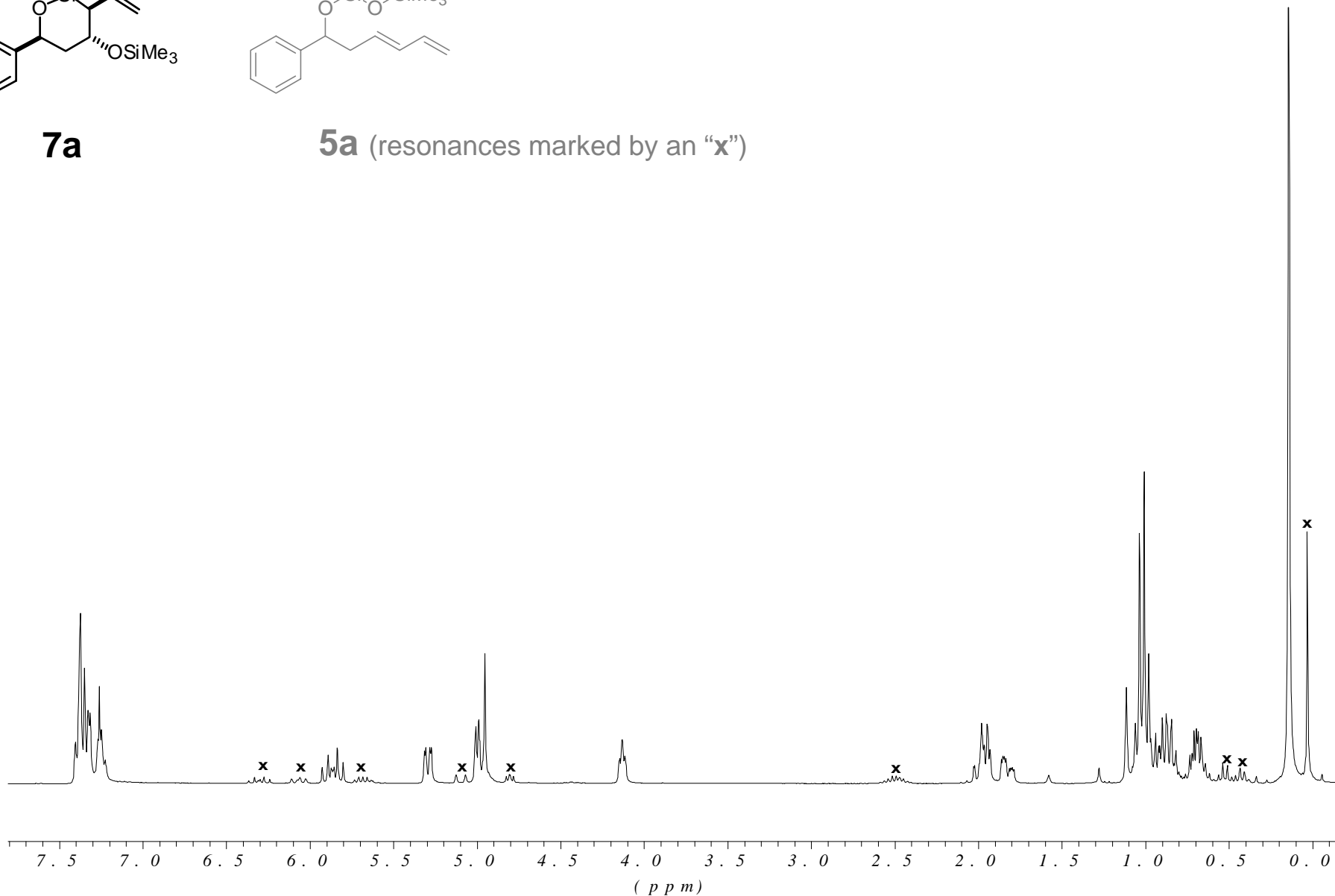


7a

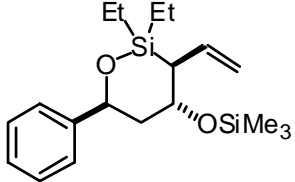


5a (resonances marked by an "x")

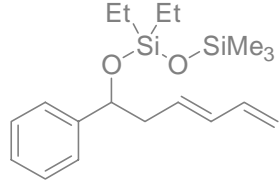


(3*S*^{*}, 4*R*^{*}, 6*S*^{*}) oxasilinane 7a:

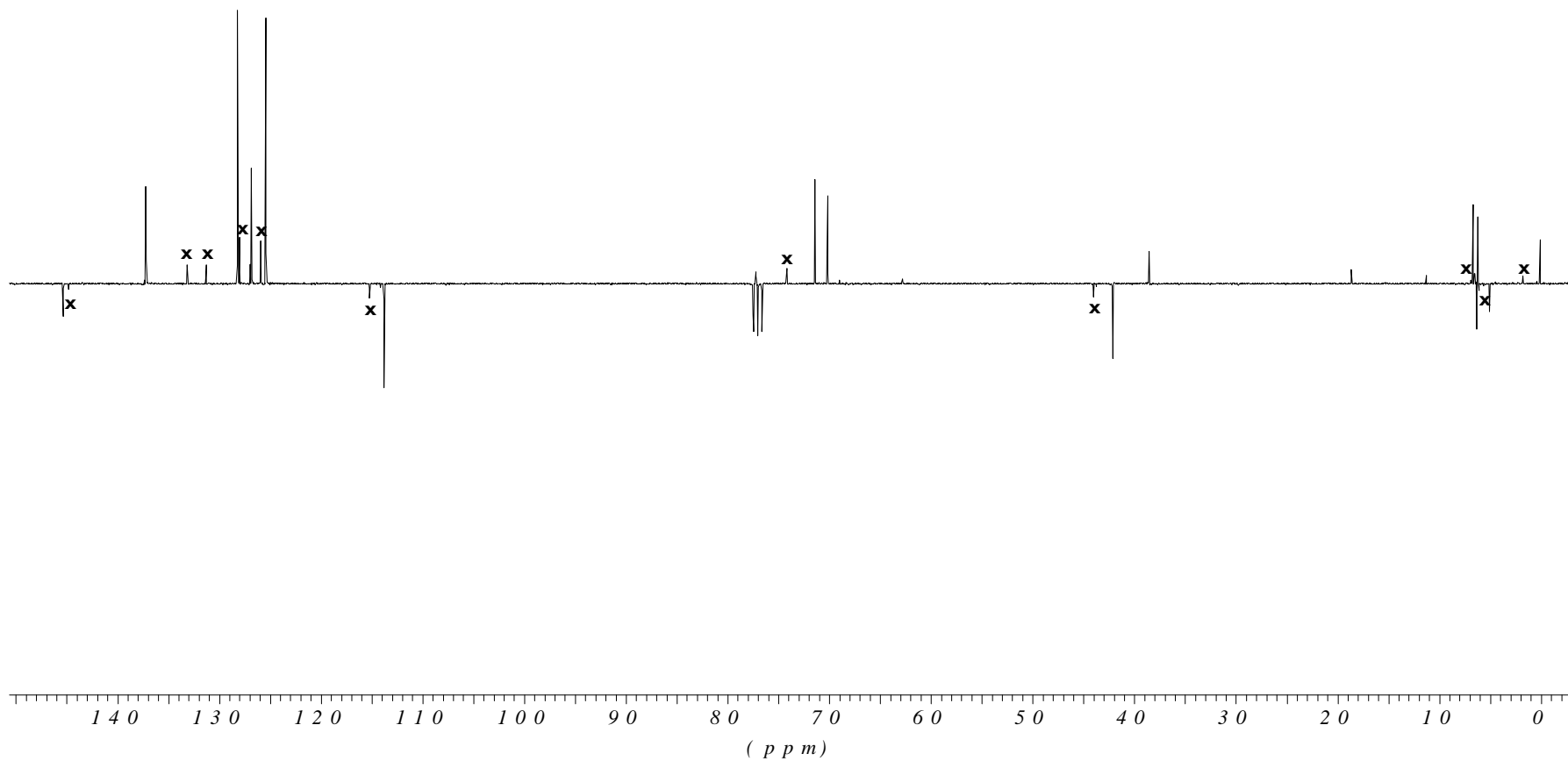
We were unable to separate oxasilinane **7a** from the diene **5a** by preparative HPLC.



7a

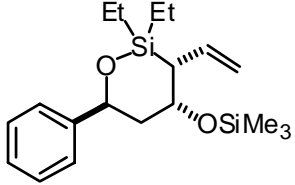


5a (resonances marked by an "x")

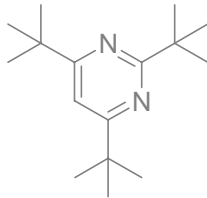


(3*S*^{*}, 4*R*^{*}, 6*S*^{*}) oxasilinane 7a:

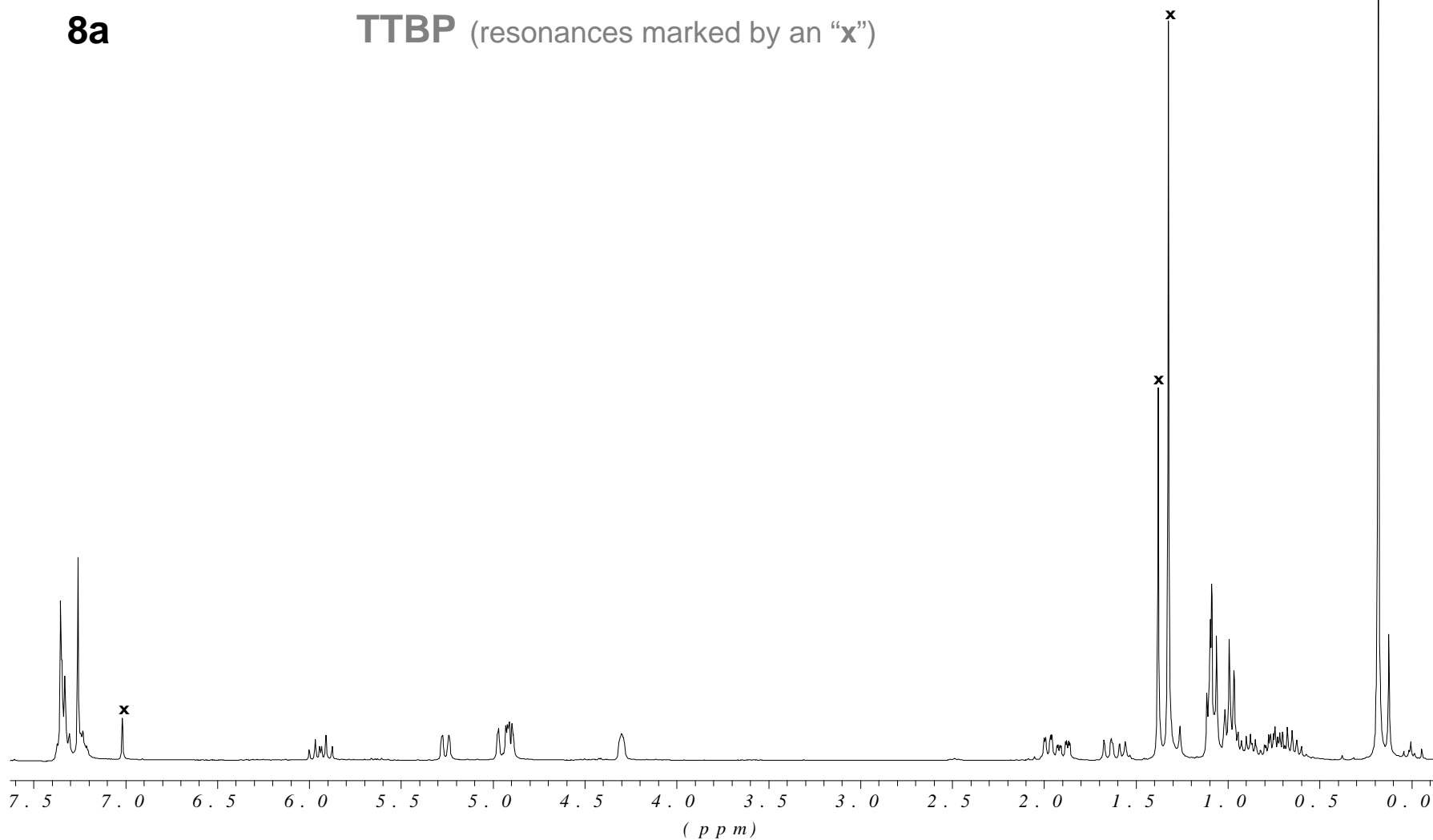
We were unable to separate oxasilinane **7a** from the diene **5a** by preparative HPLC.



8a

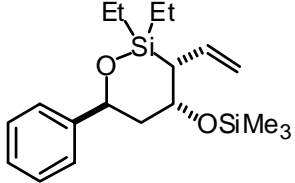


TTBP (resonances marked by an "x")

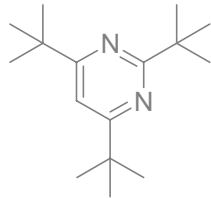


(3R*, 4R*, 6S*) oxasilinane 8a:

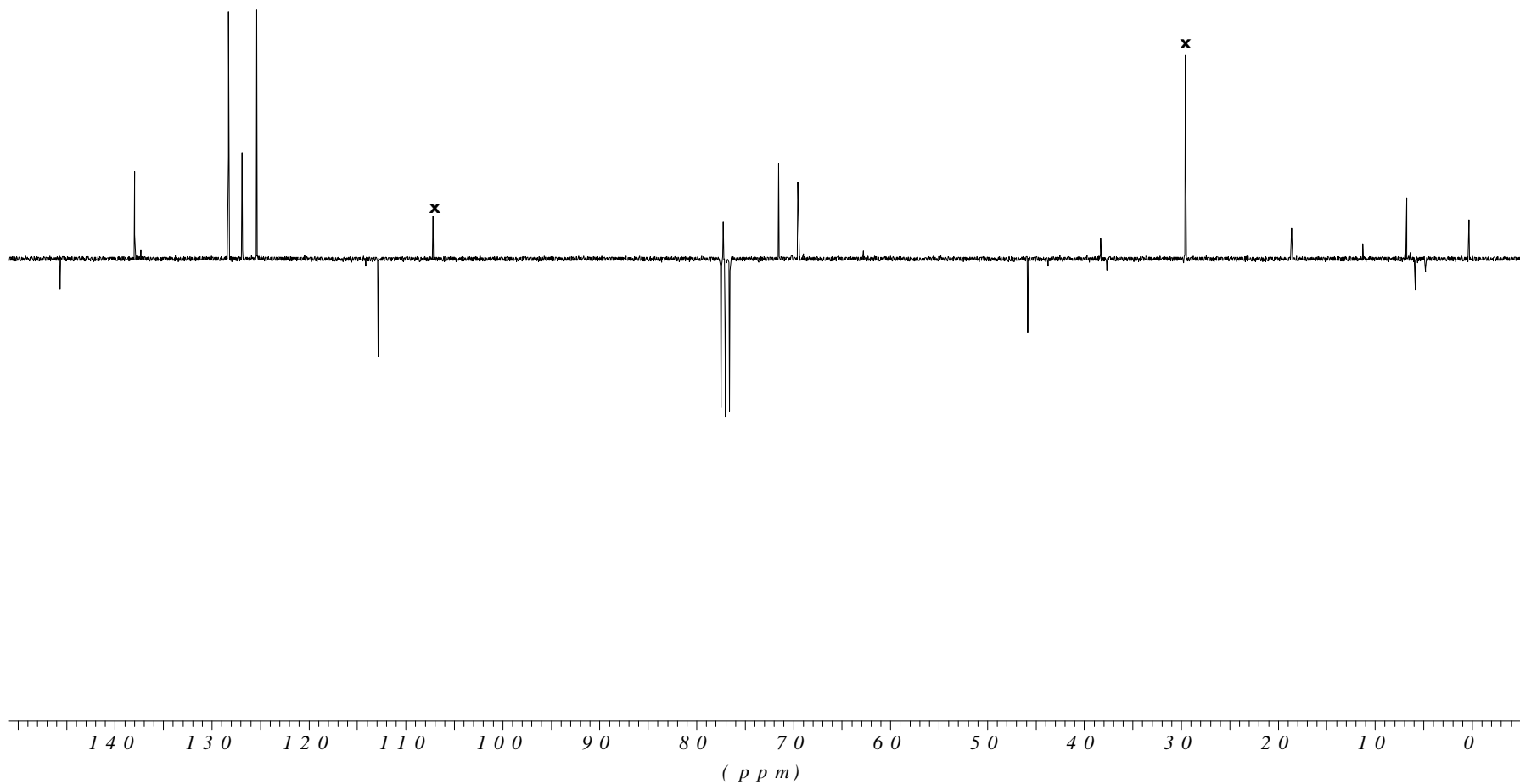
We were unable to separate oxasilinane **8a** from TTBP by preparative HPLC.



8a

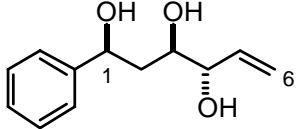


TTBP (resonances marked by an "x")

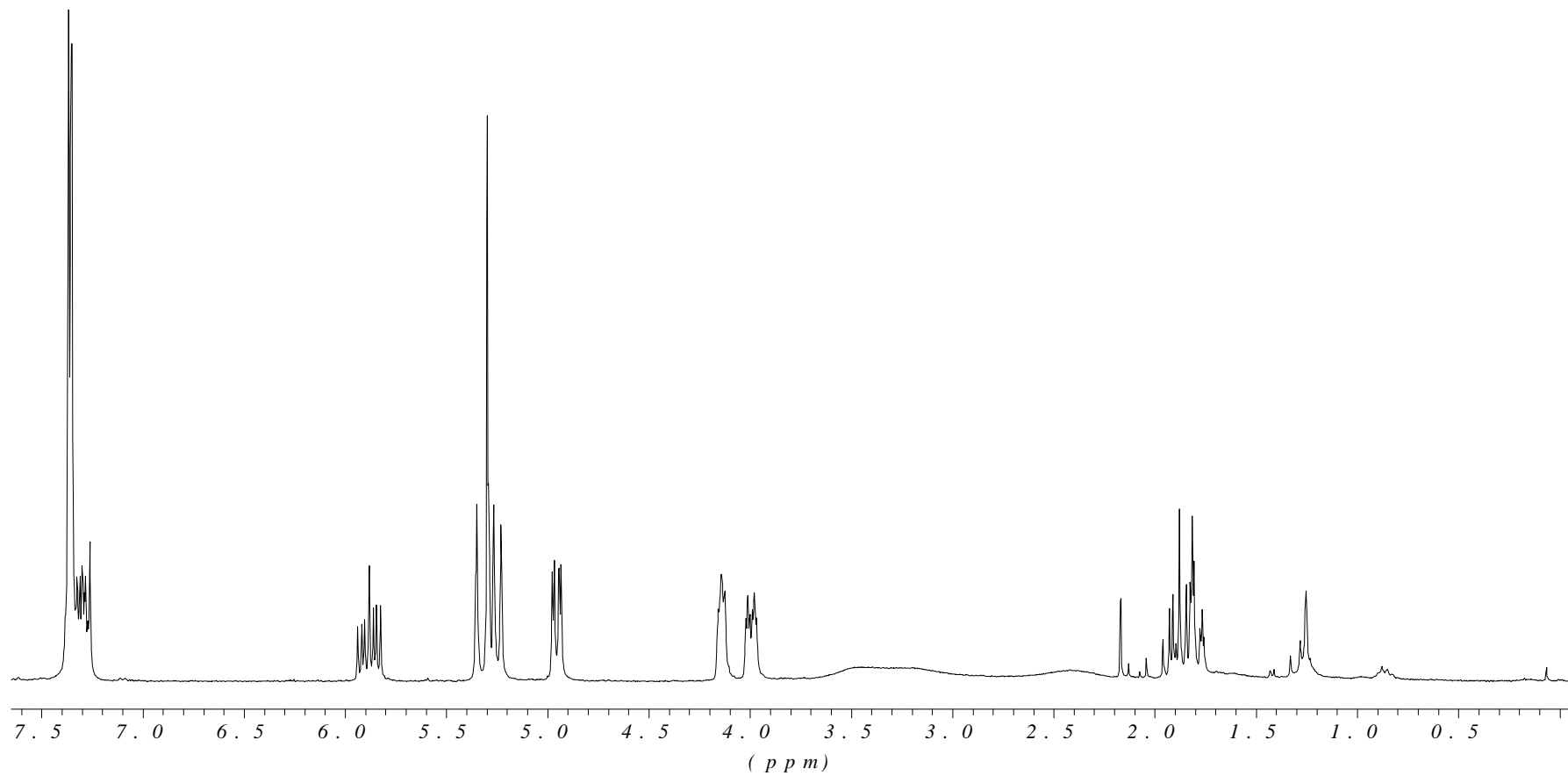


(3R*, 4R*, 6S*) oxasilinane 8a:

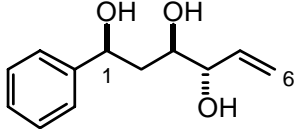
We were unable to separate oxasilinane **8a** from TTBP by preparative HPLC.



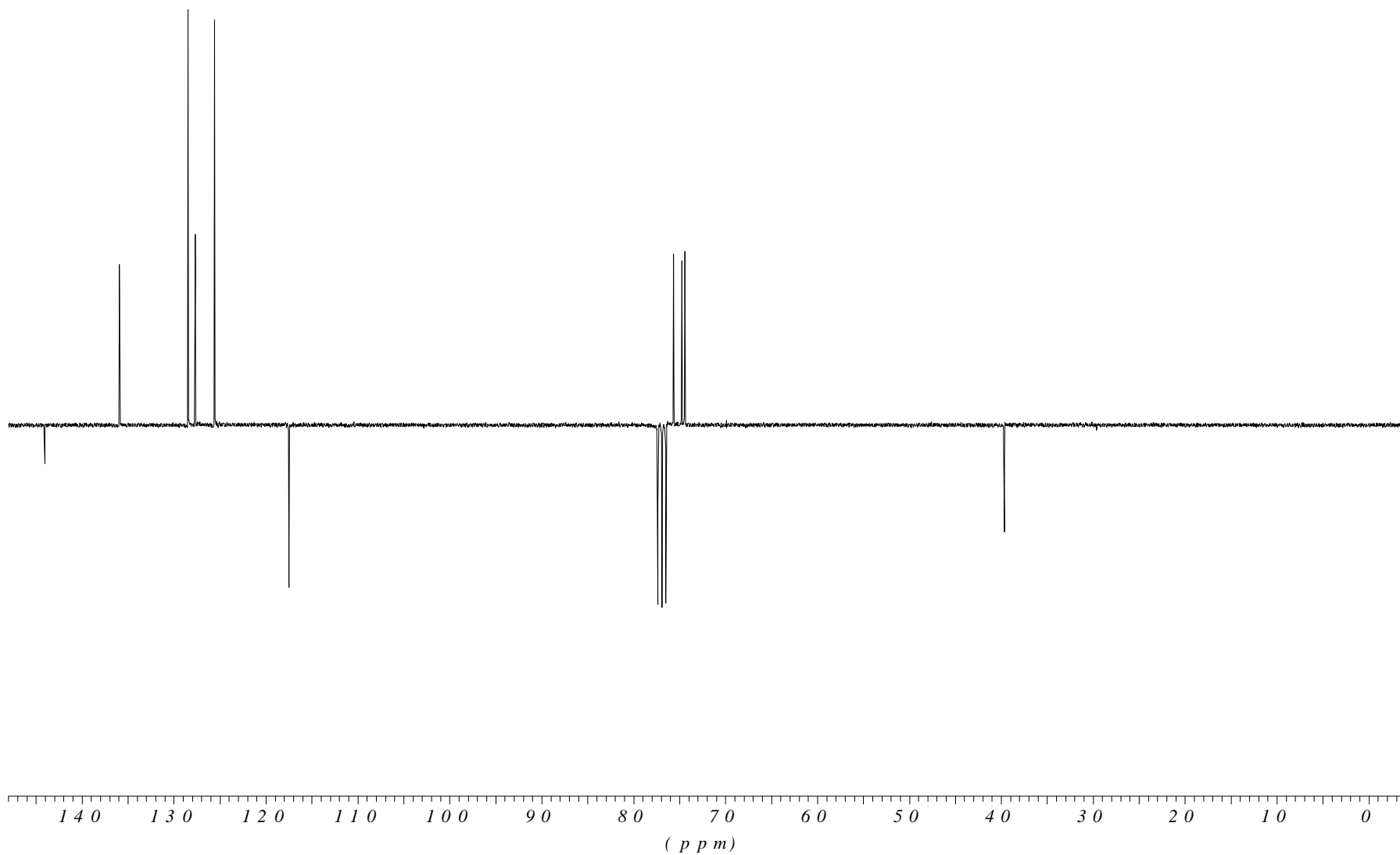
9a



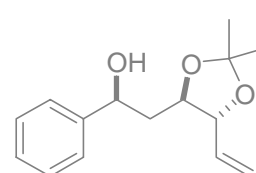
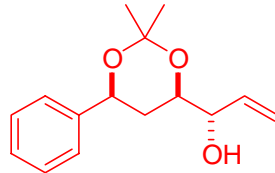
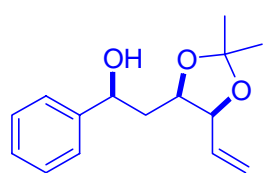
(1S*, 3R*, 4S*) 1-Phenyl-hex-5-ene-1,3,4-triol 9a



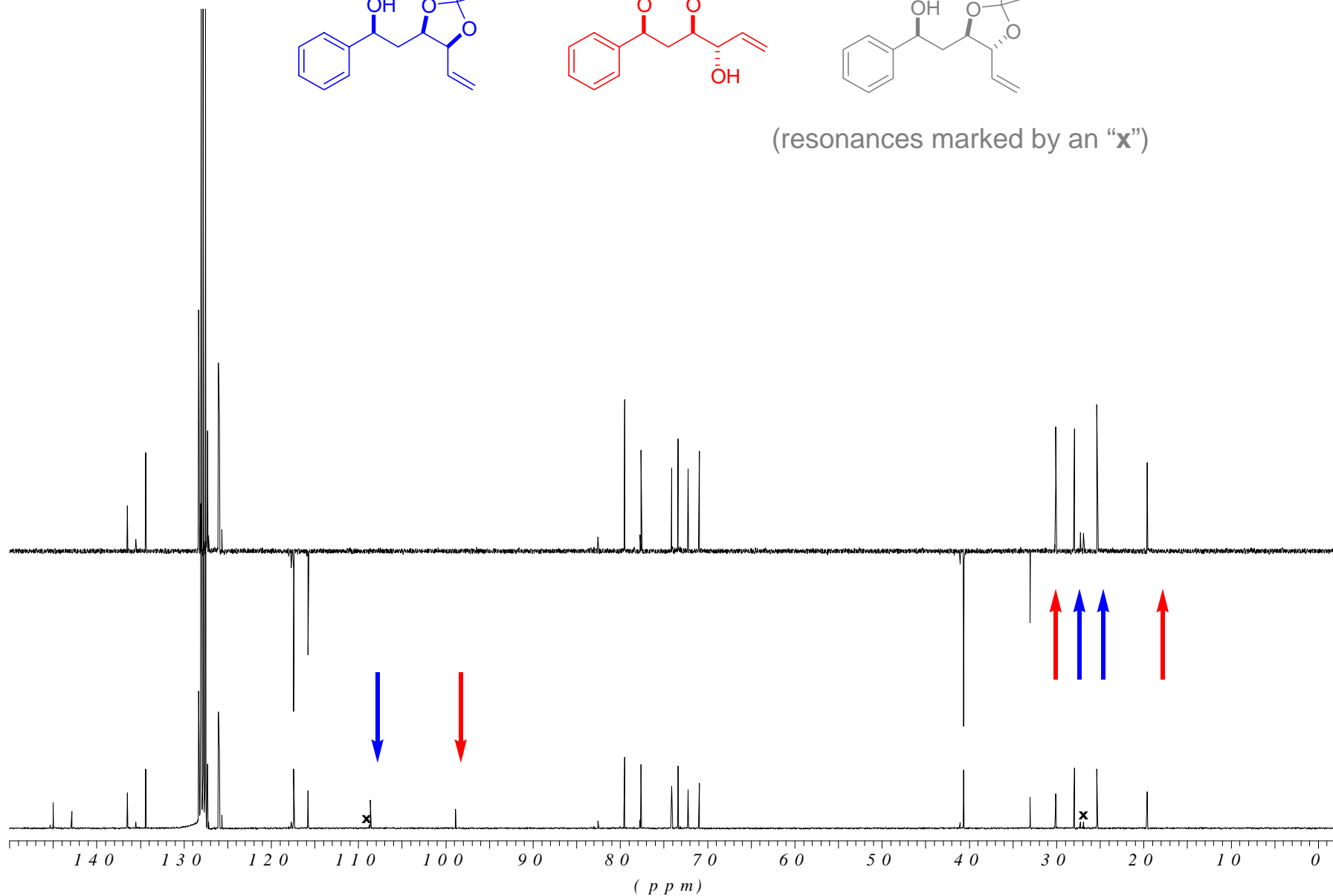
9a



(1*S, 3*R**, 4*S**) 1-Phenyl-hex-5-ene-1,3,4-triol 9a**

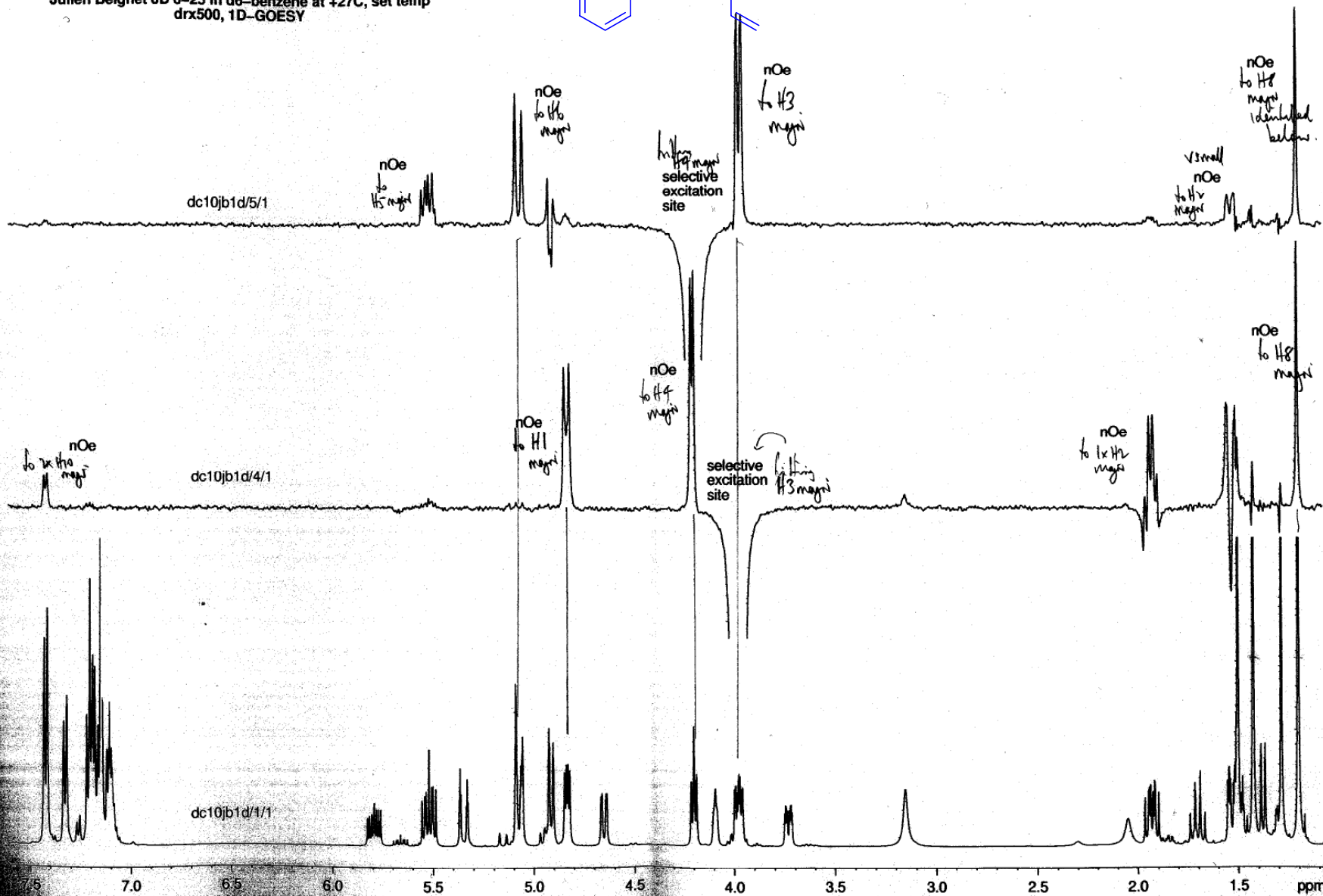
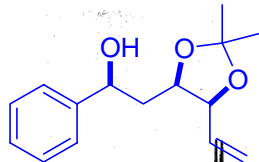


(resonances marked by an "x")

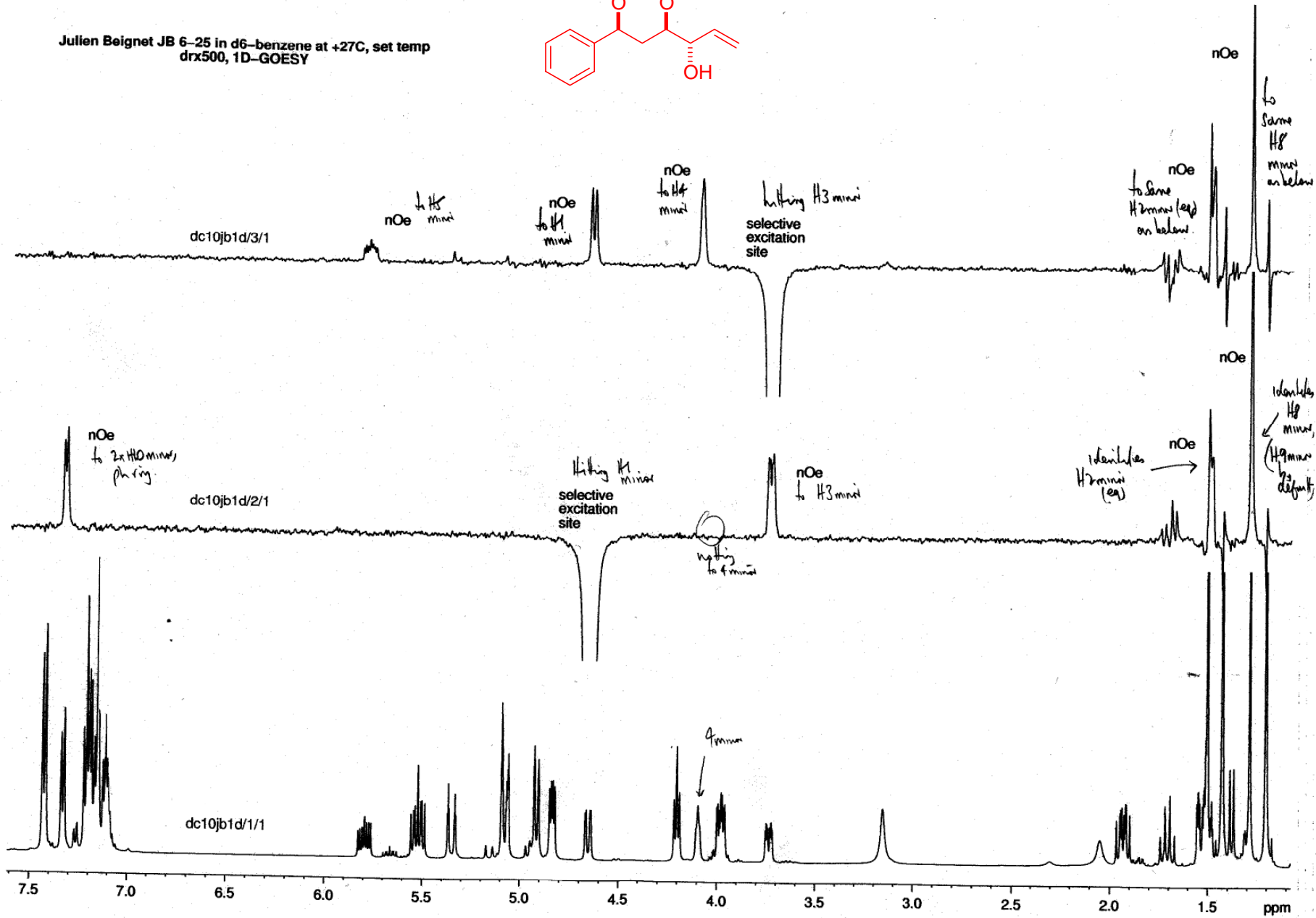
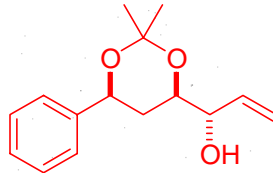


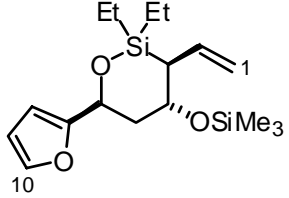
Acetonide products from *triol* 9a (and trace 10a)

Julien Beignet JB 6-25 in d6-benzene at +27C, set temp
drx500, 1D-GOESY

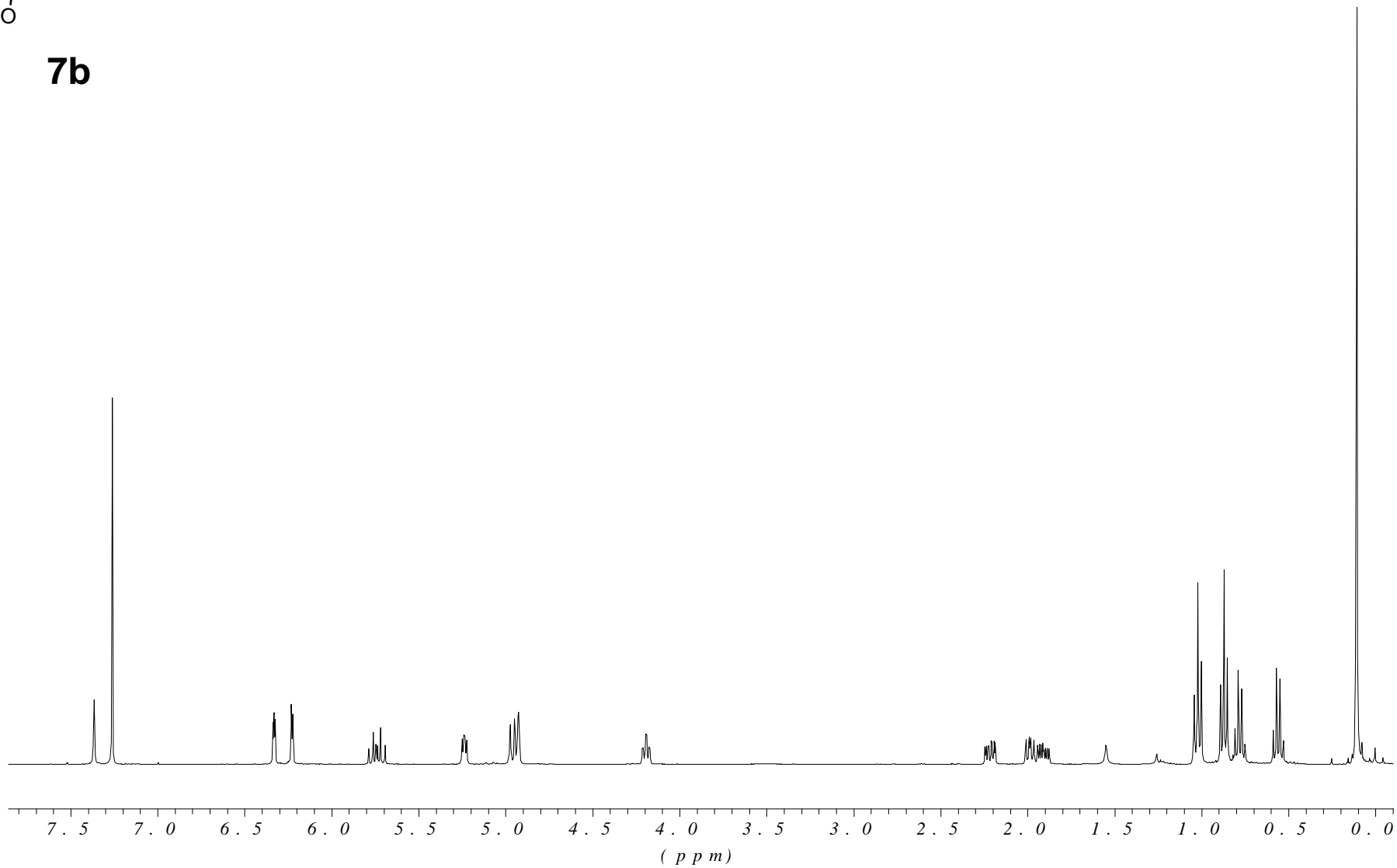


Julien Beignet JB 6-25 in d6-benzene at +27C, set temp
drx500, 1D-GOESY

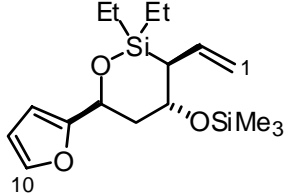




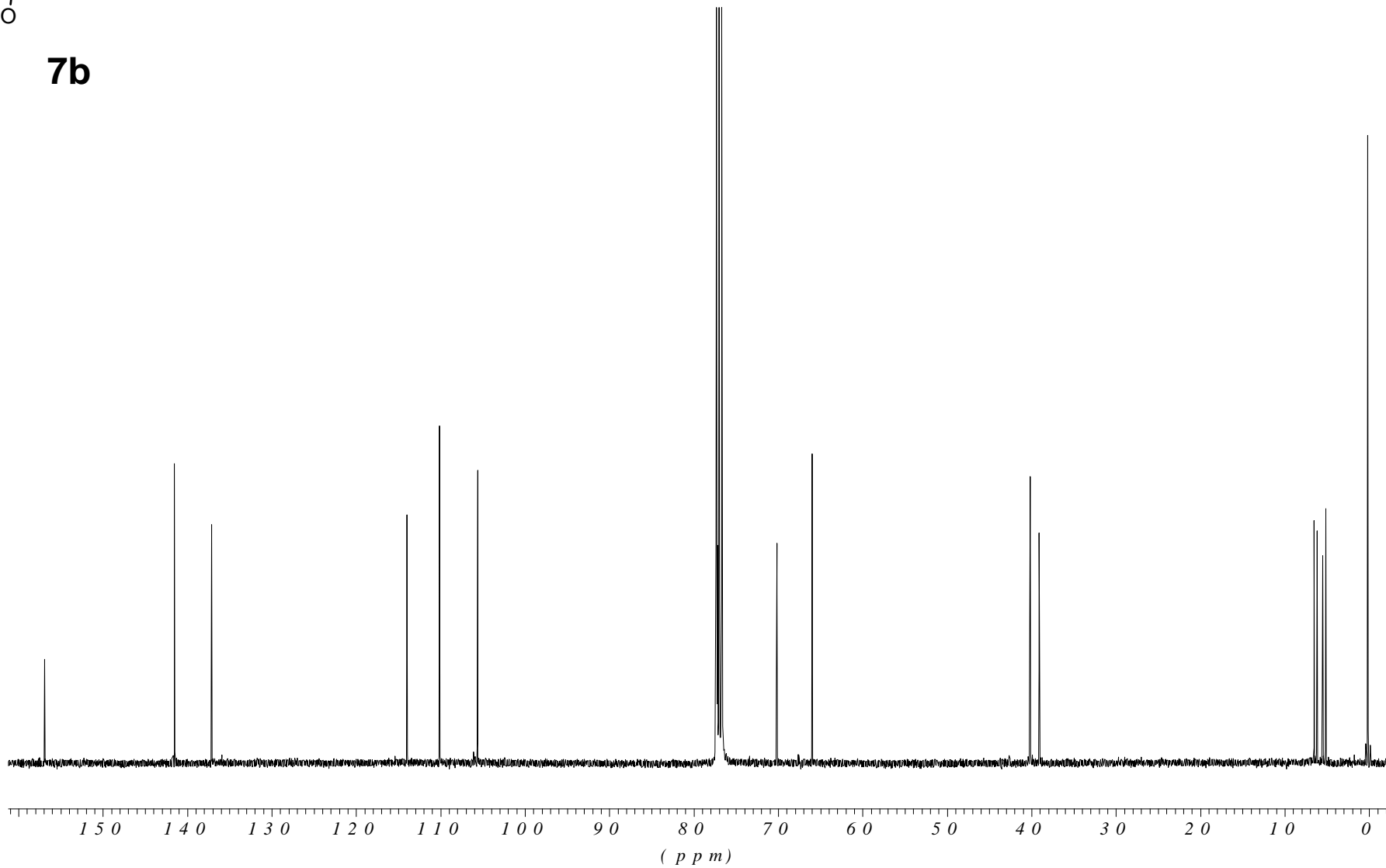
7b



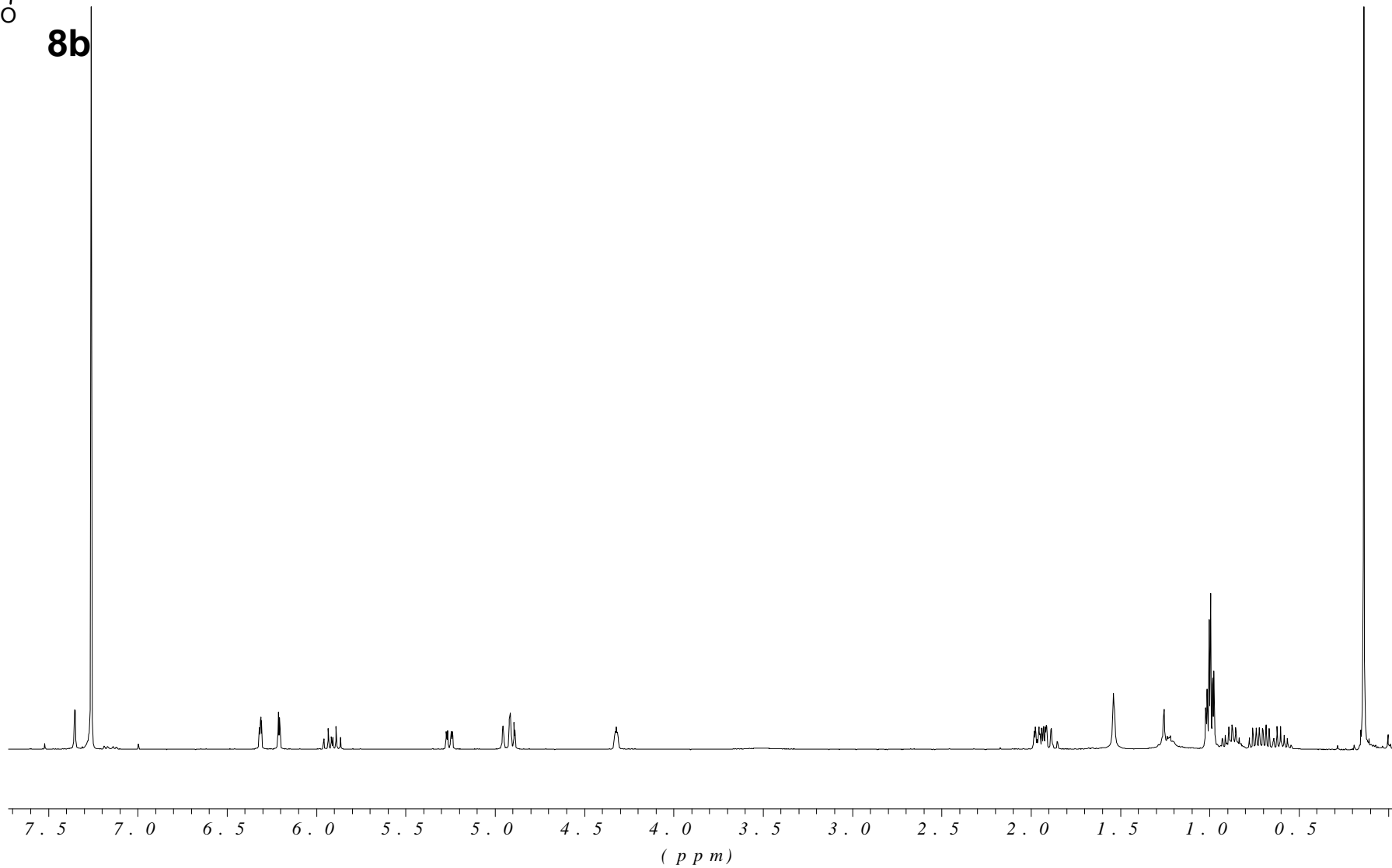
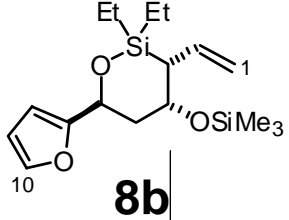
(3*S, 4*R**, 6*S**) oxasilinane 7b**



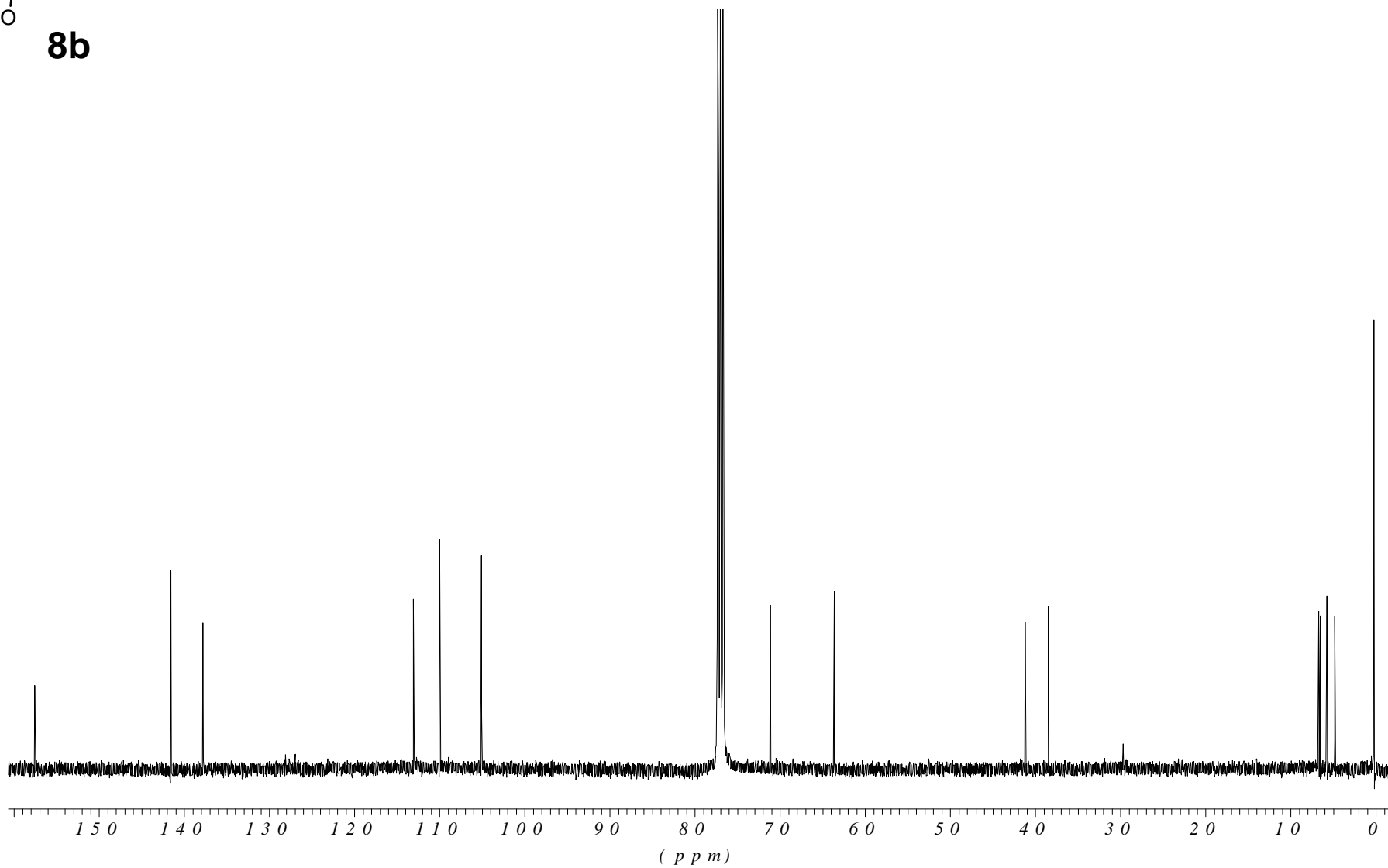
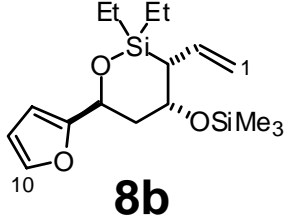
7b



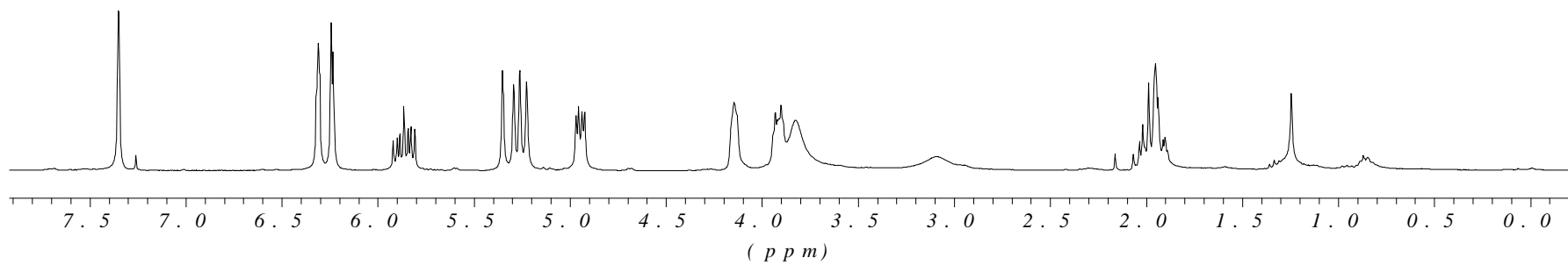
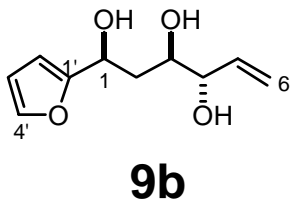
(3S*, 4R*, 6S*) oxasilinane 7b



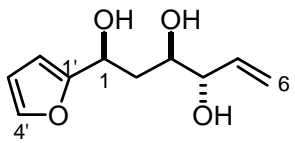
(3R*, 4R*, 6S*) oxasilinane 8b



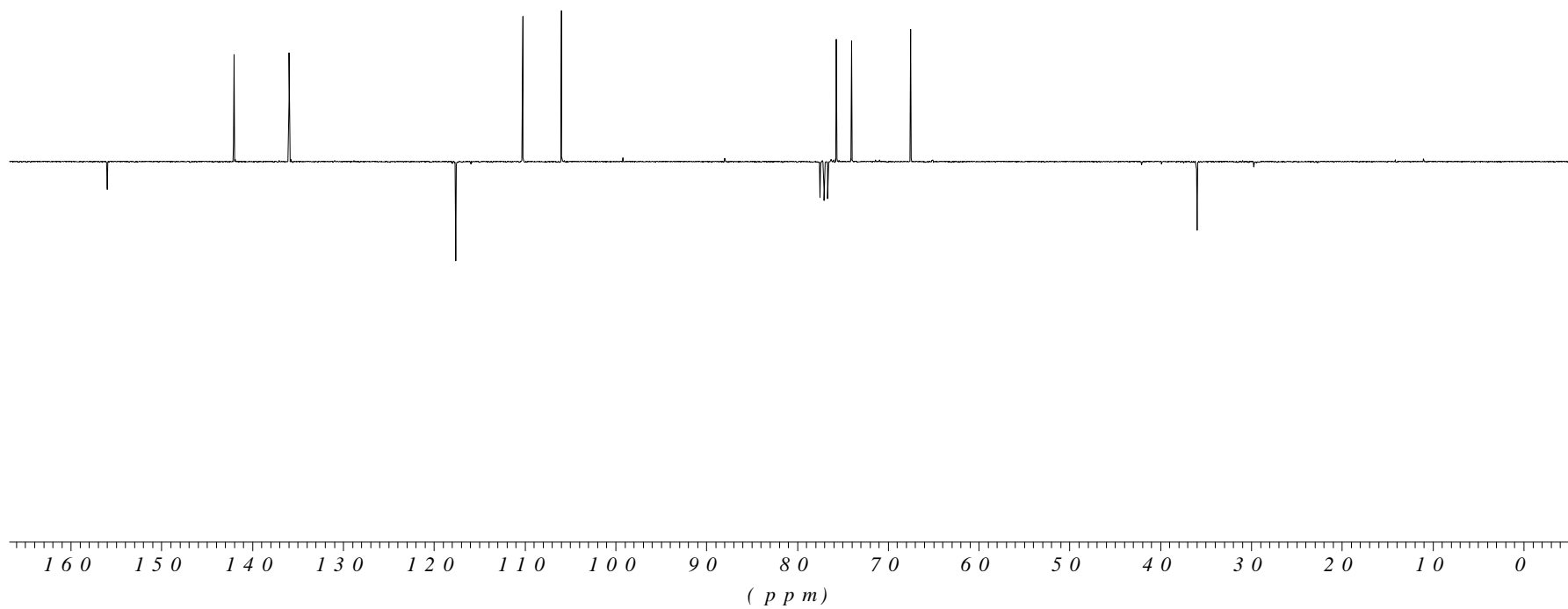
(3*R*^{*}, 4*R*^{*}, 6*S*^{*}) oxasilinane 8b



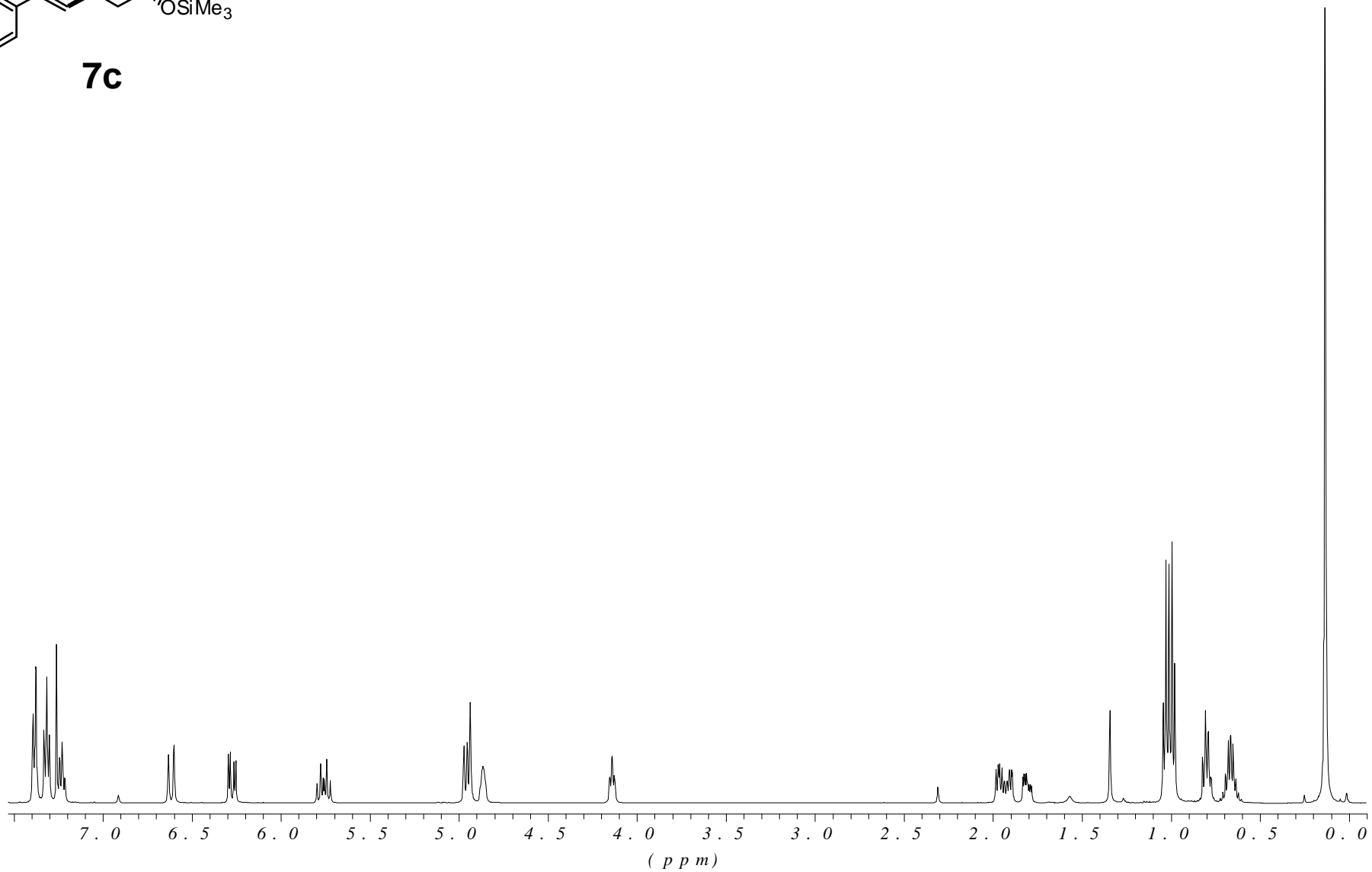
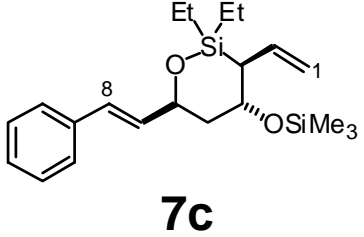
(1S*, 3R*, 4S*) 1-Furan-2-yl-hex-5-ene-1,3,4-triol 9b



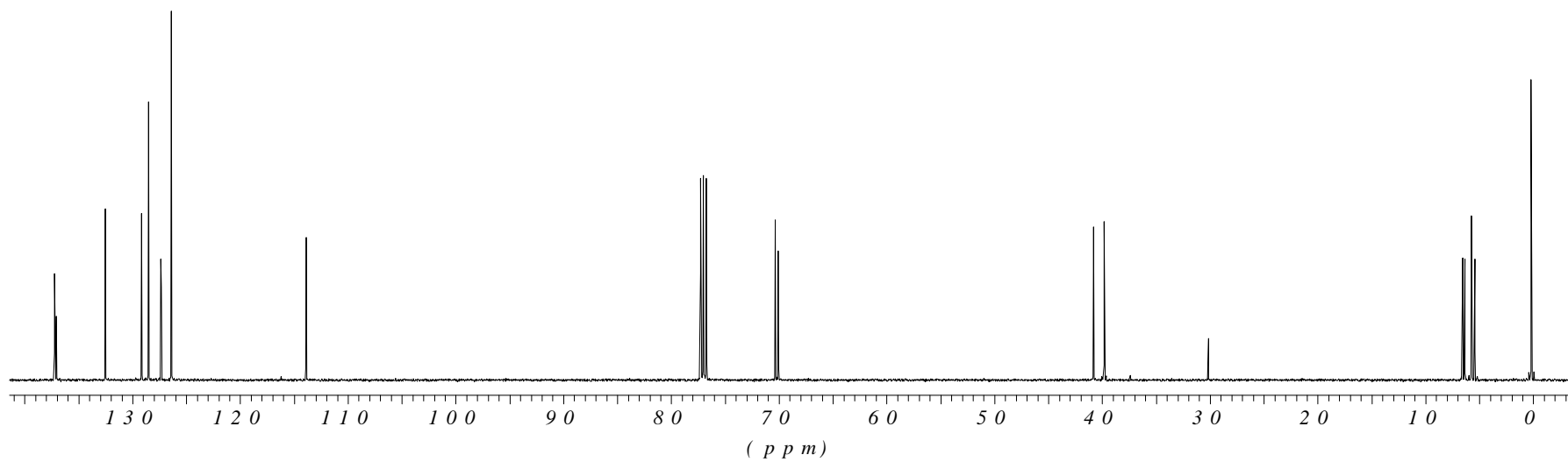
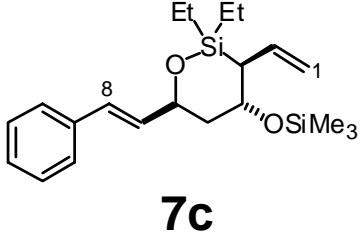
9b



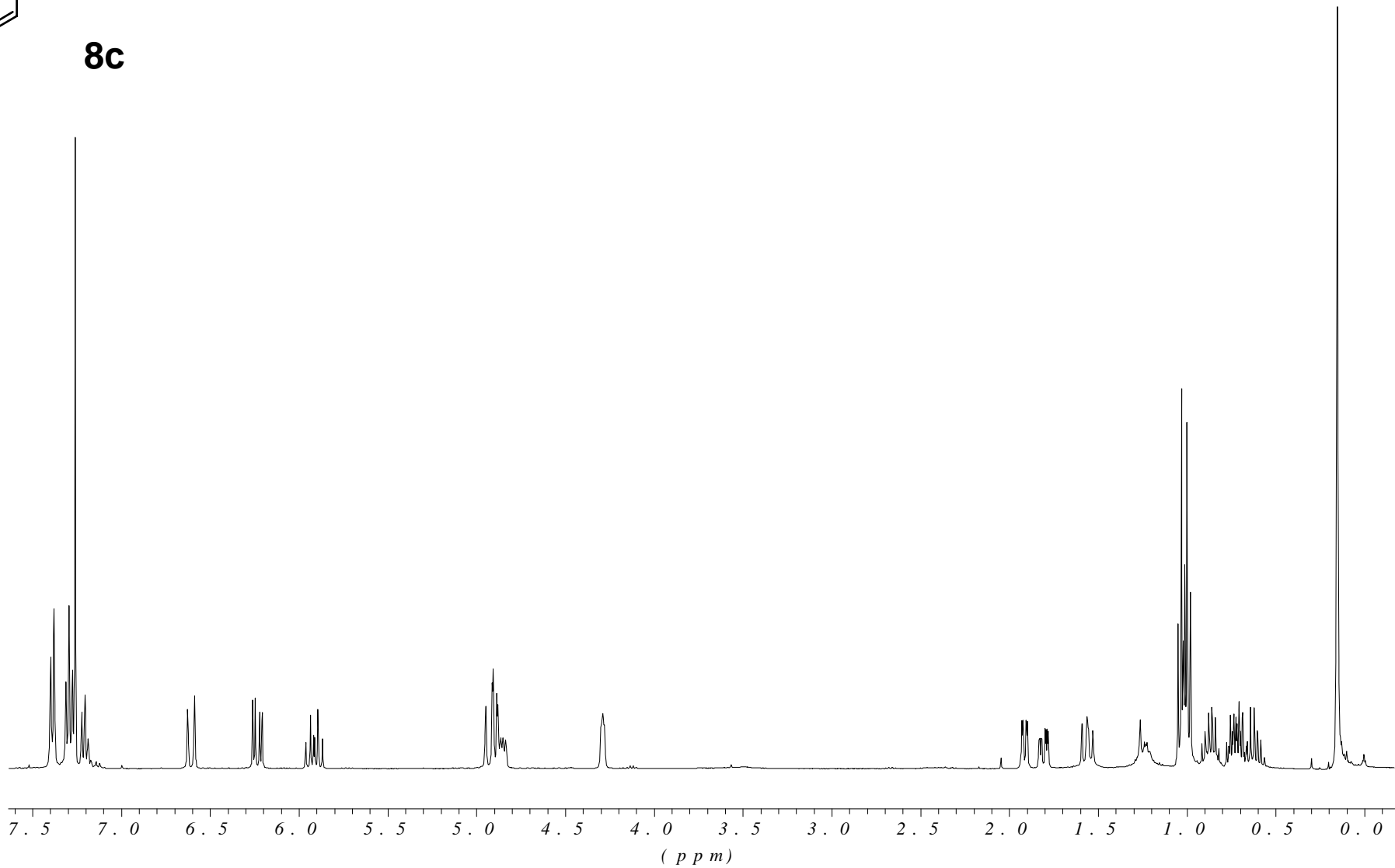
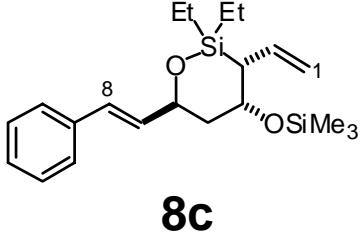
(1S*, 3R*, 4S*) 1-Furan-2-yl-hex-5-ene-1,3,4-triol 9b



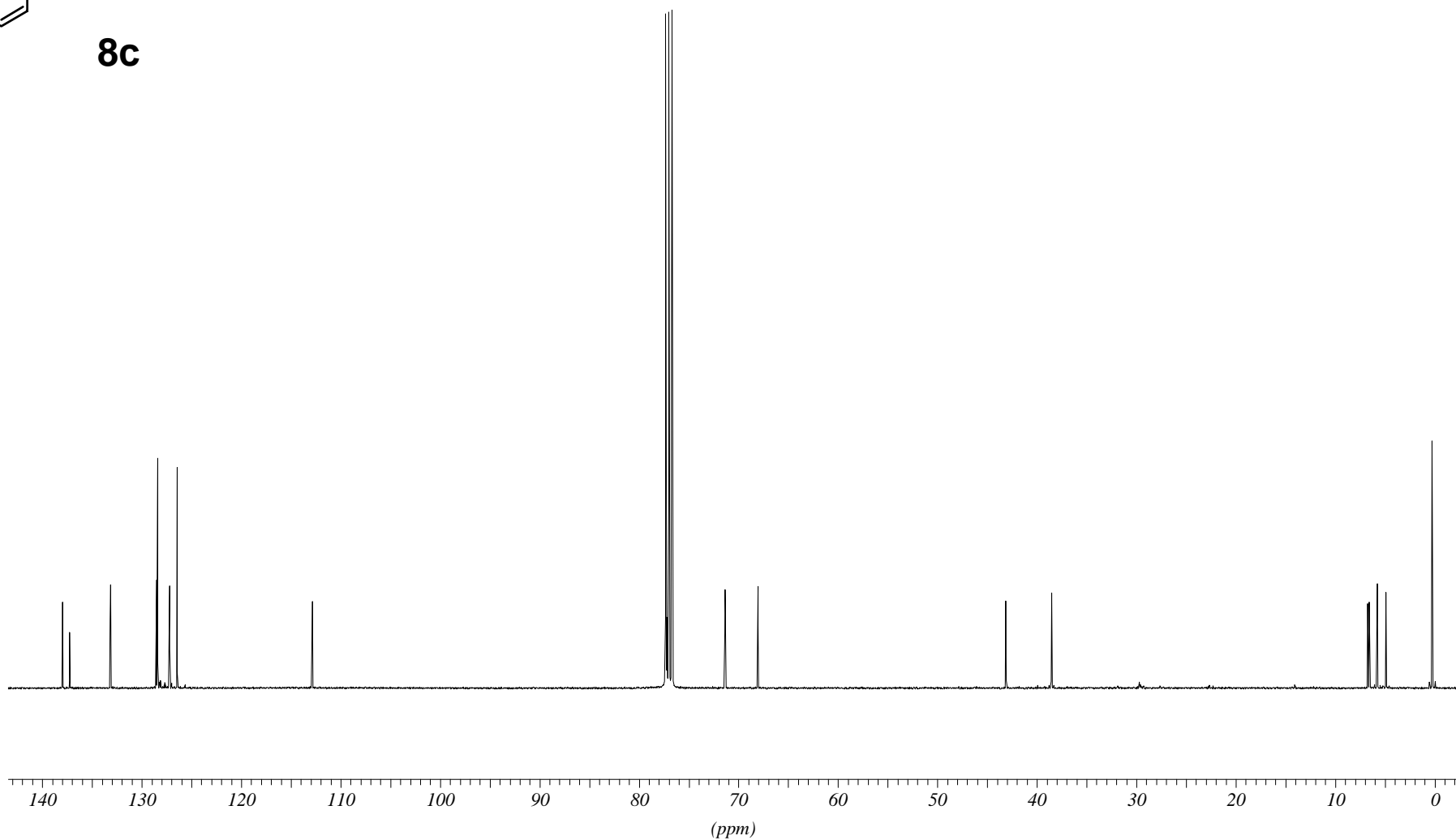
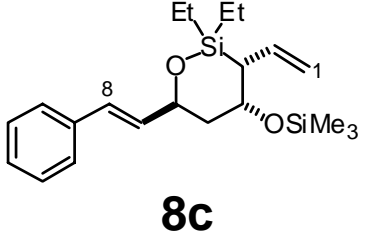
(3S*, 4R*, 6S*, 7E) oxasilinane 7c



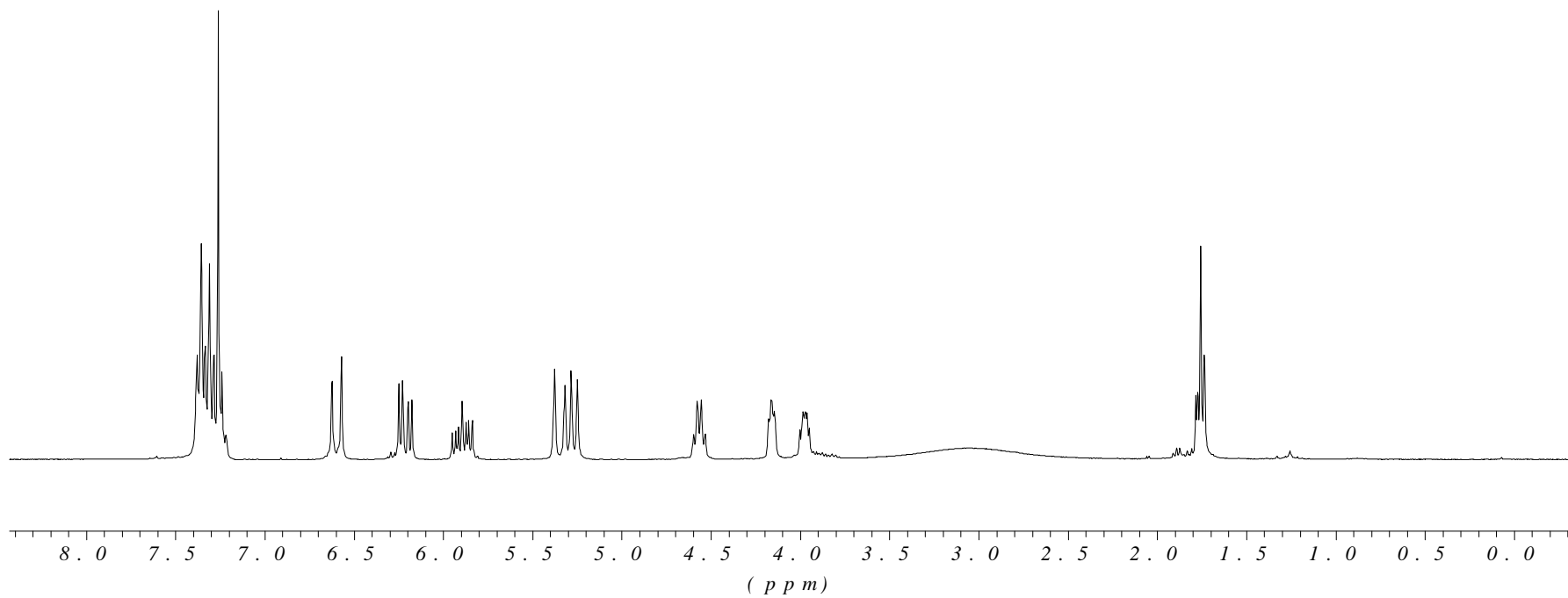
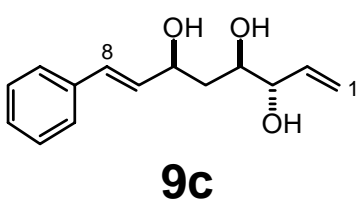
(3*S*^{*}, 4*R*^{*}, 6*S*^{*}, 7*E*) oxasilinane 7c



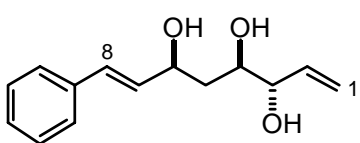
(3R*, 4R*, 6S*, 7E) oxasilinane 8c



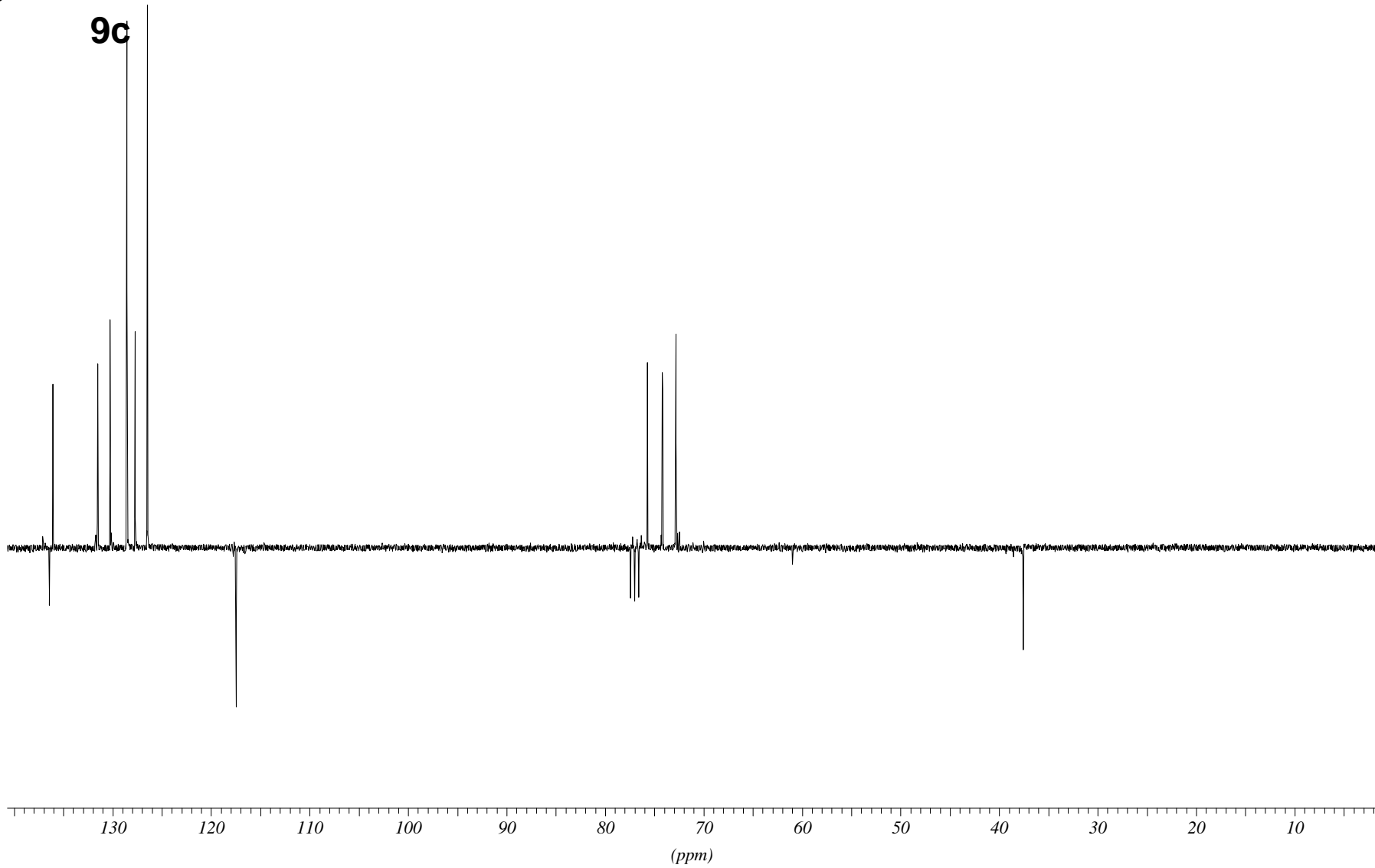
(3R*, 4R*, 6S*, 7E) oxasilinane 8c



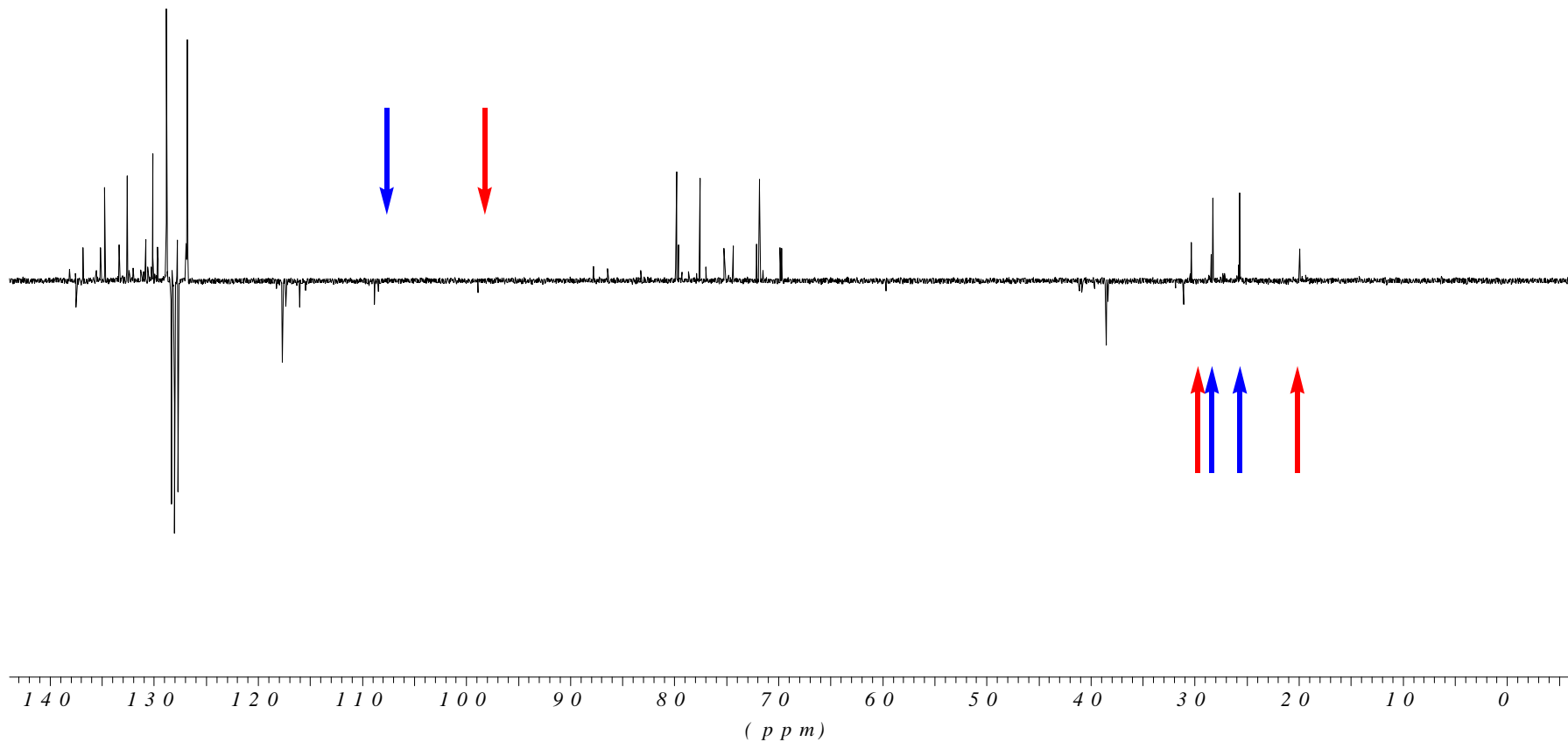
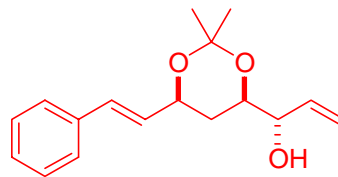
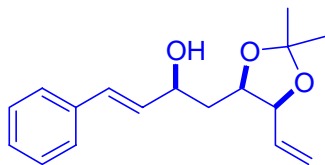
(3S*, 4R*, 6S*, 7E) 8-Phenyl-octa-1,7-diene-3,4,6-triol 9c



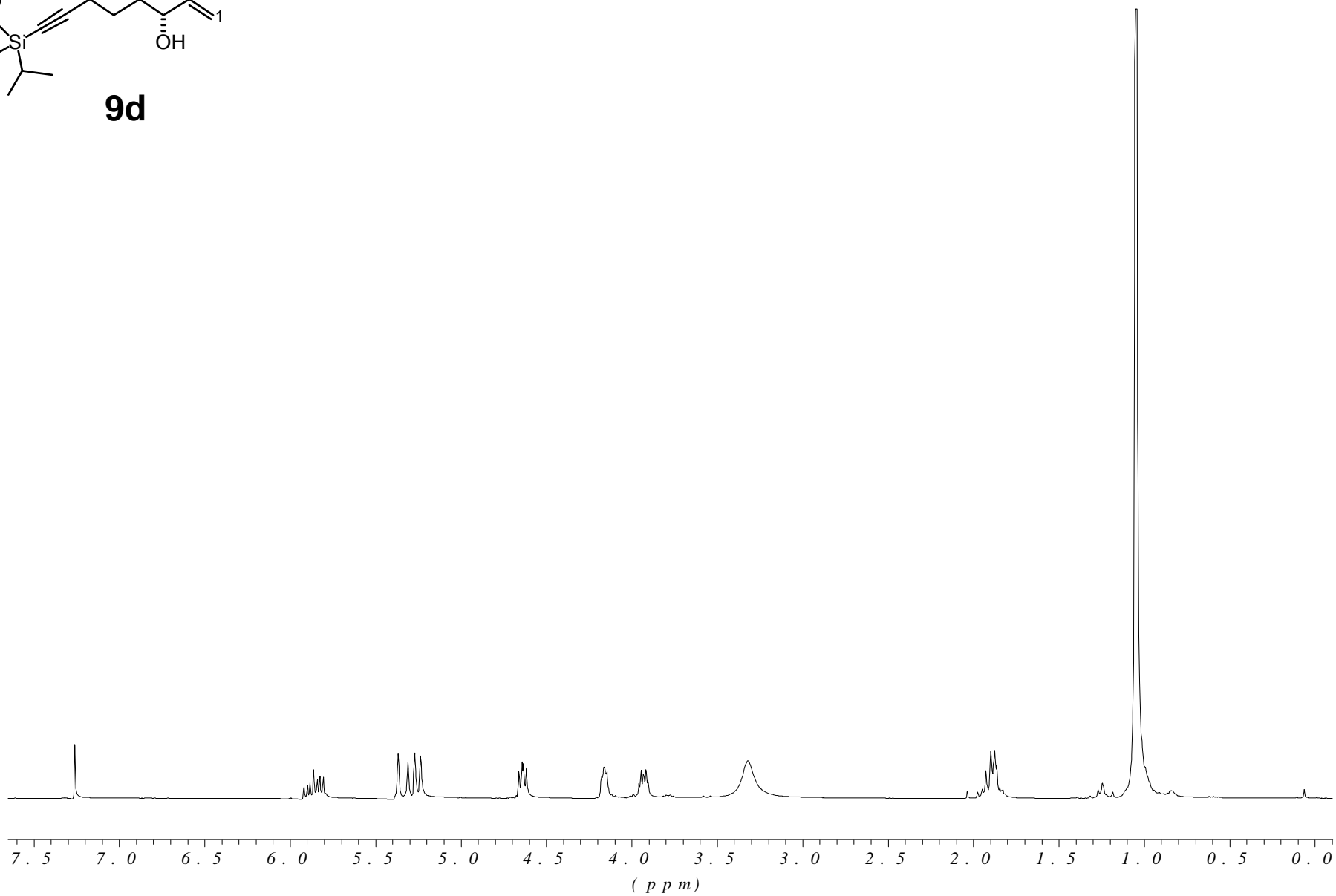
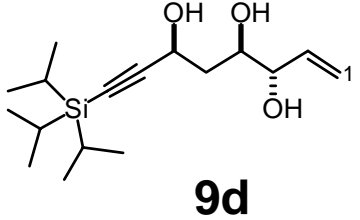
9c



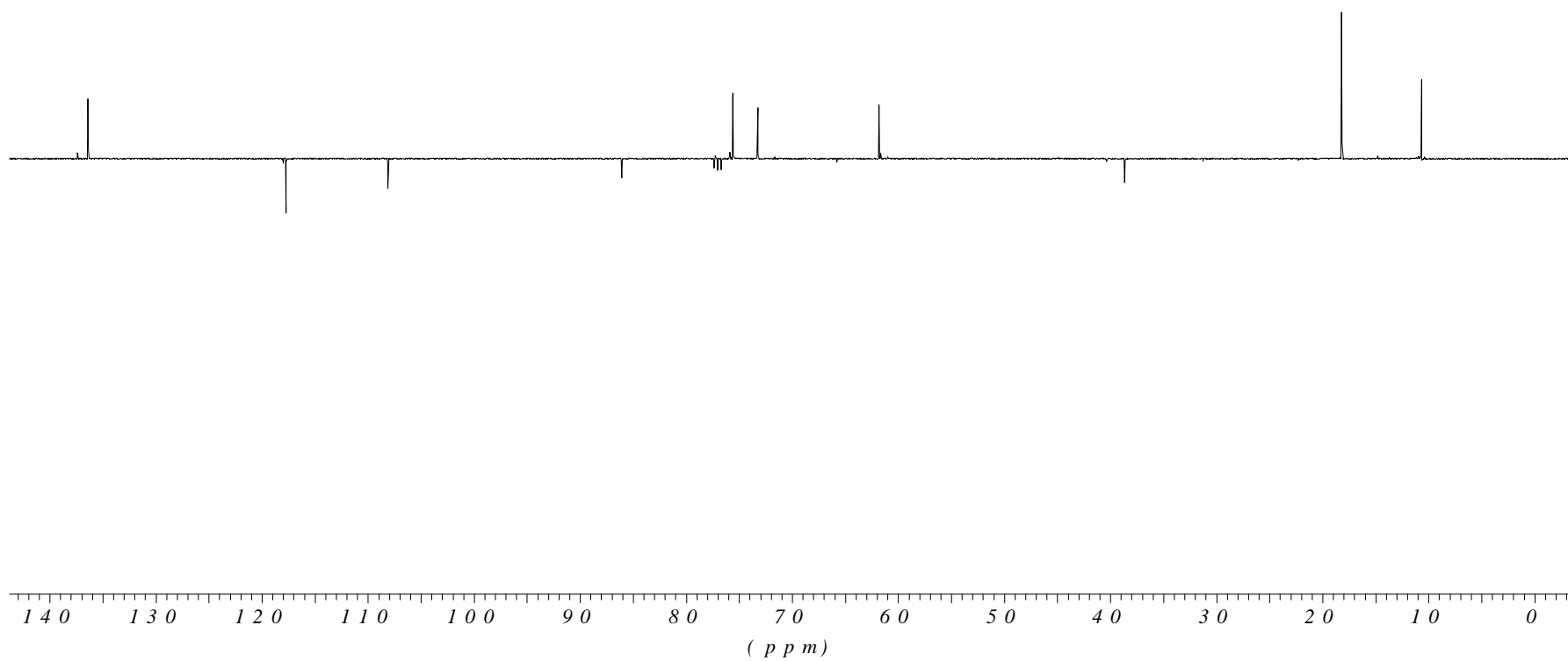
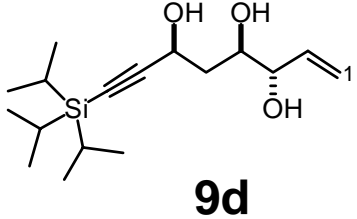
(3*S, 4*R**, 6*S**, 7*E*) 8-Phenyl-octa-1,7-diene-3,4,6-triol 9c**



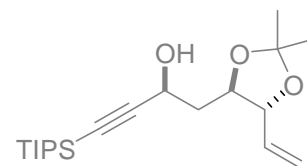
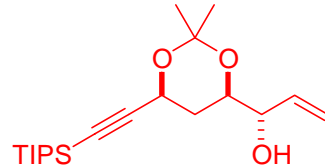
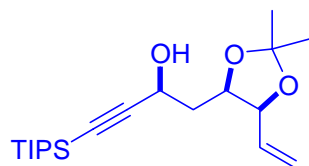
Acetonide products from triol **9c.** $^1\text{H-NMR}$ revealed the presence of other compounds that severely complicated spectral analysis. However, the two major acetonide products still predominated and readily permitted assignment of the 1,2- and 1,3-relative stereochemistry of triol **9c**.



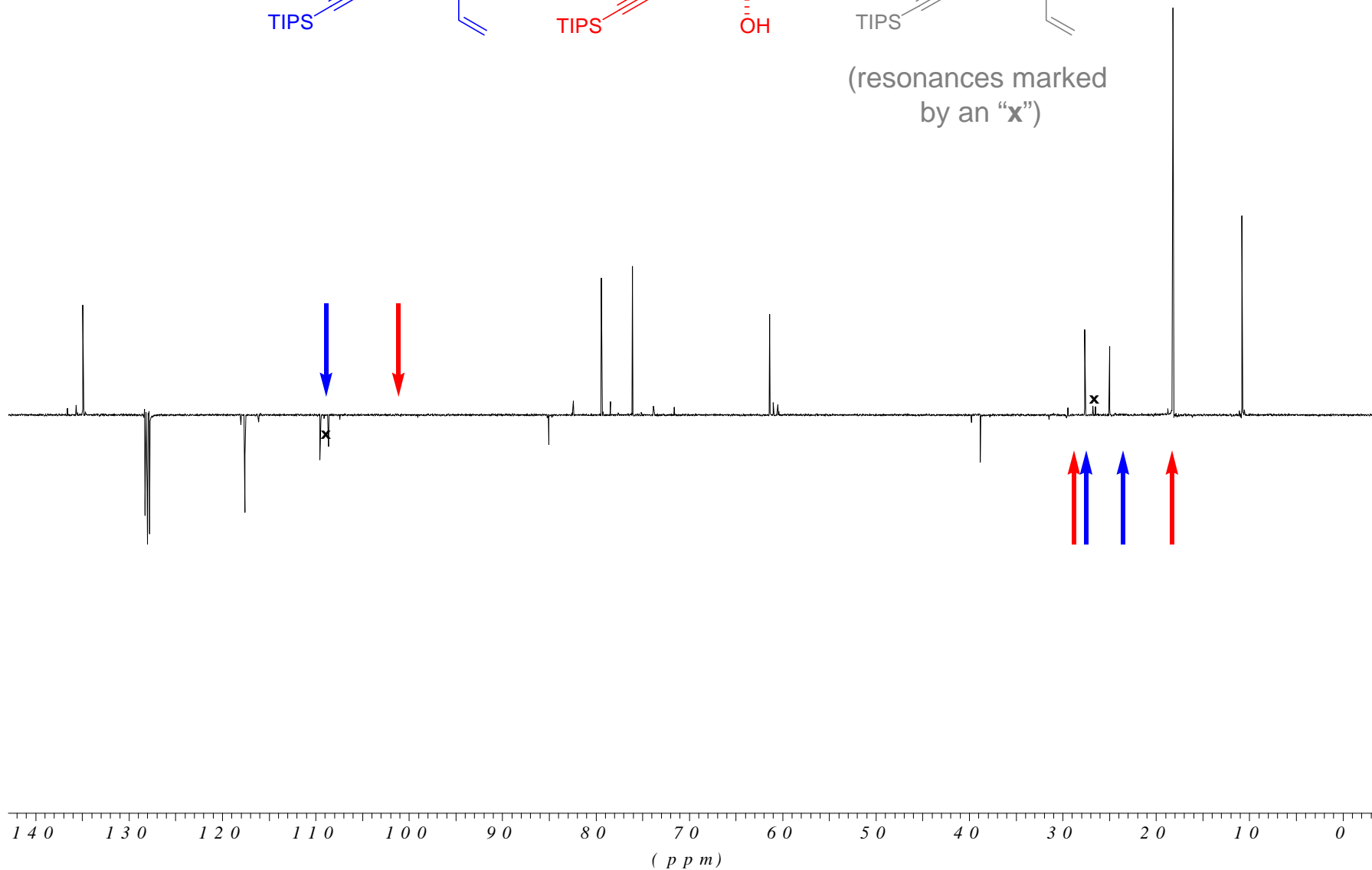
(3S*, 4R*, 6S*) 8-Triisopropylsilyl-oct-1-en-7-yne-3,4,6-triol 9d



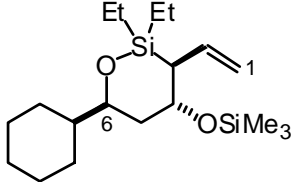
(3S*, 4R*, 6S*) 8-Triisopropylsilanyl-oct-1-en-7-yne-3,4,6-triol 9d



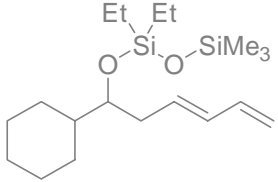
(resonances marked by an "x")



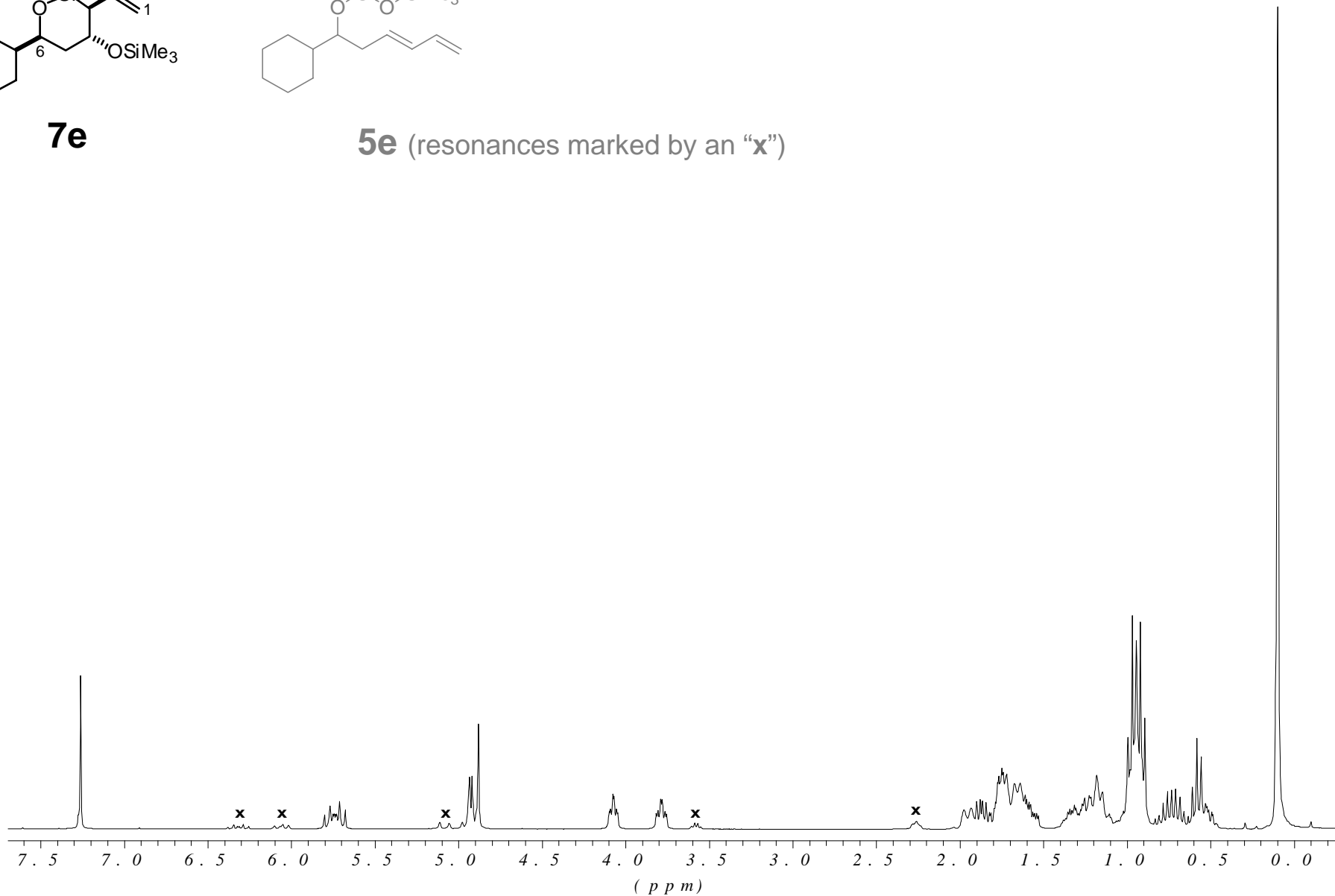
Acetonide products from *triol* 9d (and trace 10d)



7e

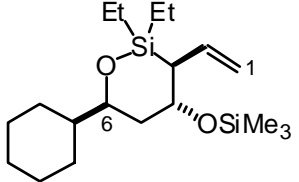


5e (resonances marked by an "x")

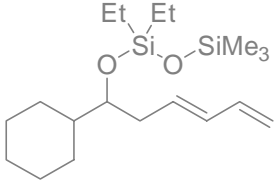


(3*S*^{*}, 4*R*^{*}, 6*S*^{*}) oxasilinane 7e:

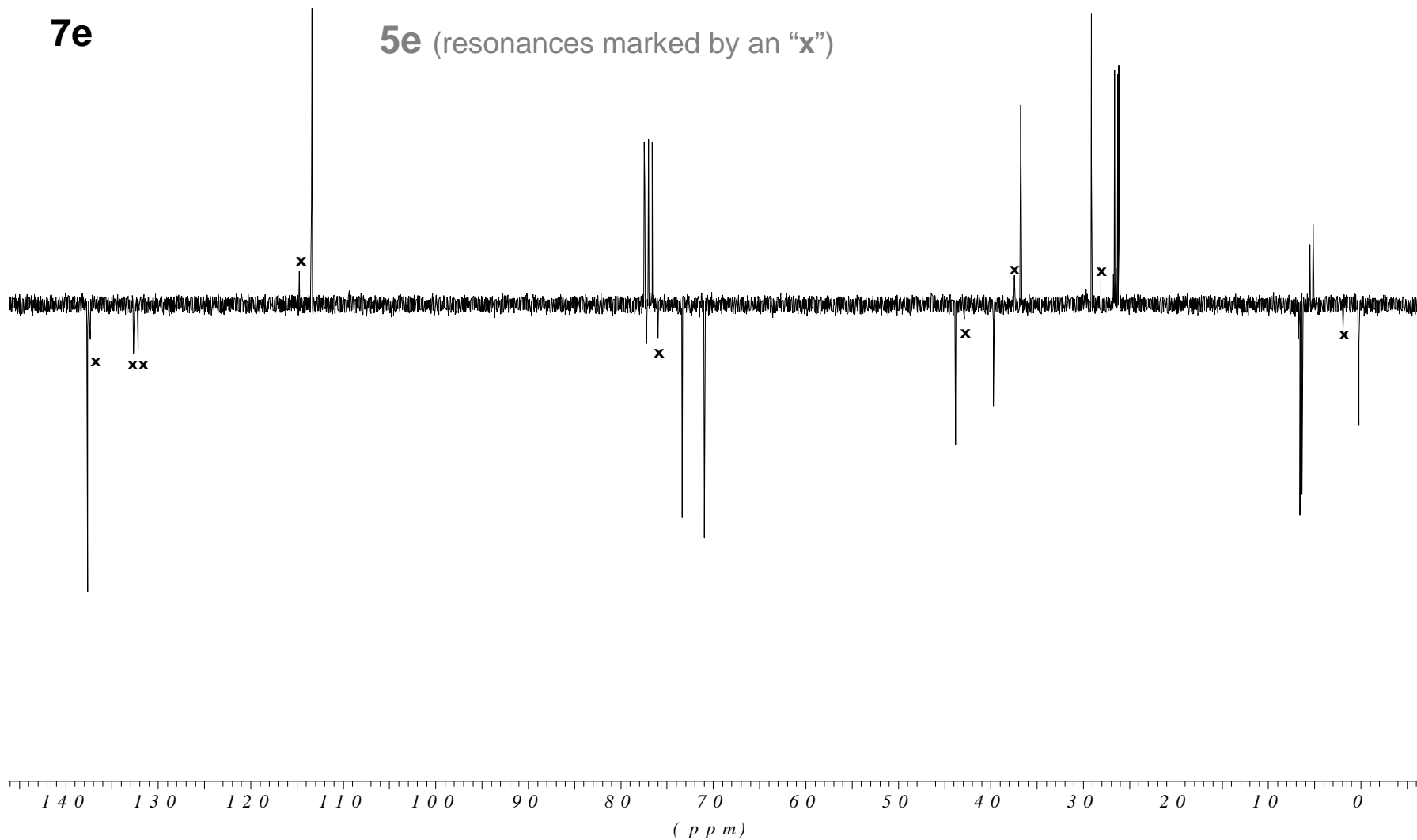
We were unable to separate oxasilinane **7e** from the diene **5e** by preparative HPLC.



7e

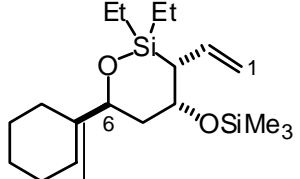


5e (resonances marked by an "x")

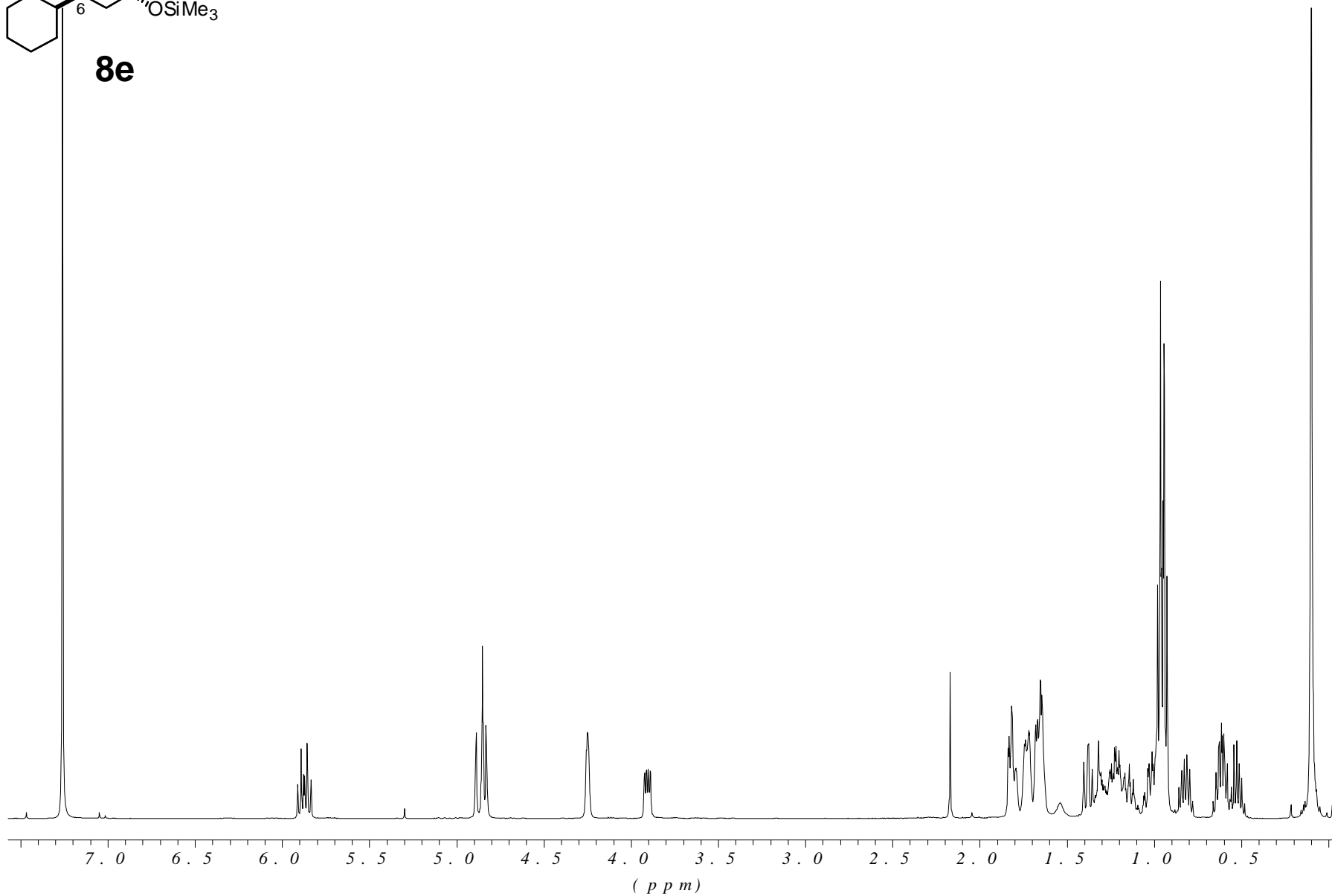


(3*S*^{*}, 4*R*^{*}, 6*S*^{*}) oxasilinane 7e:

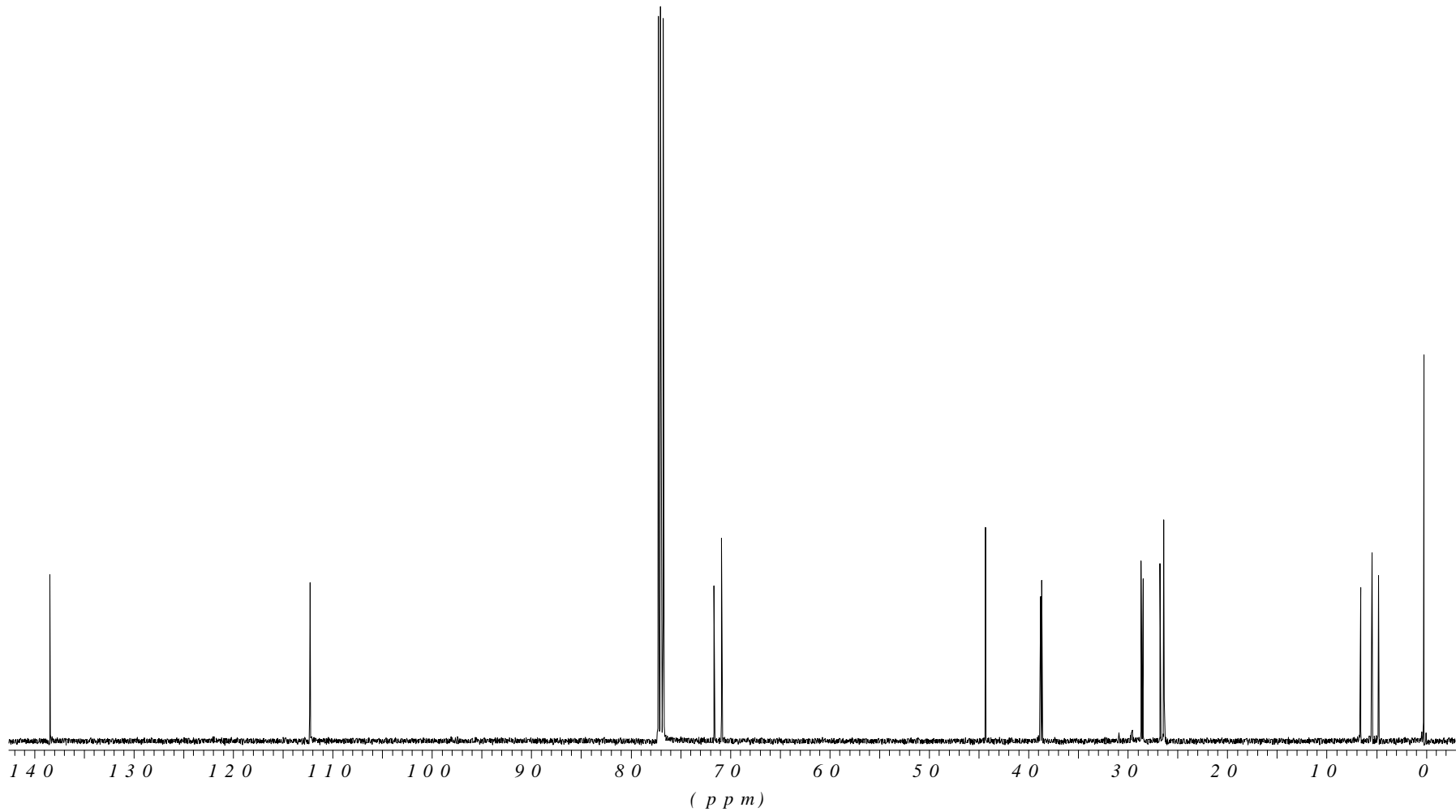
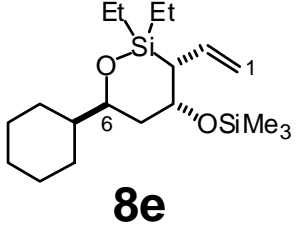
We were unable to separate oxasilinane **7e** from the diene **5e** by preparative HPLC.



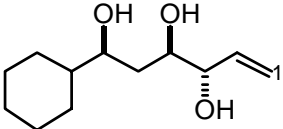
8e



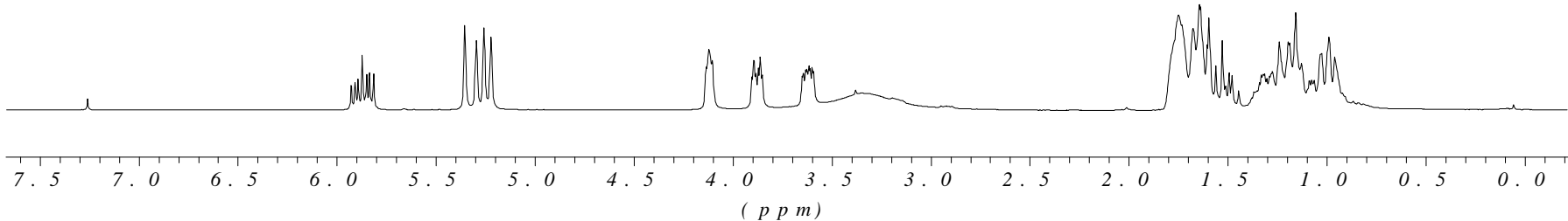
(3*R, 4*R**, 6*S**) oxasilinane 8e**



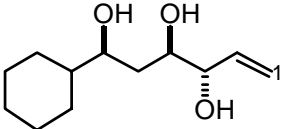
(3R*, 4R*, 6S*) oxasilinane 8e



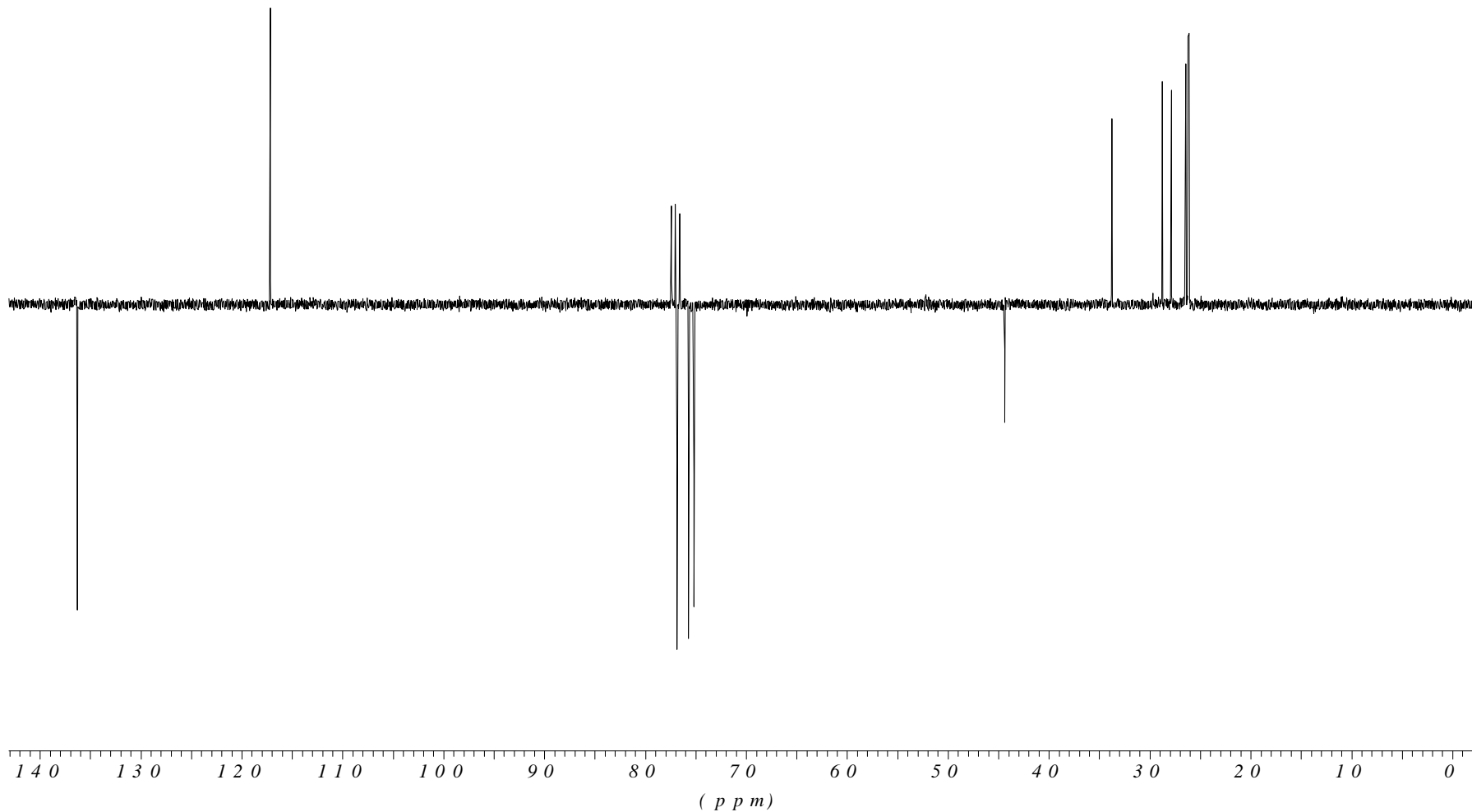
9e



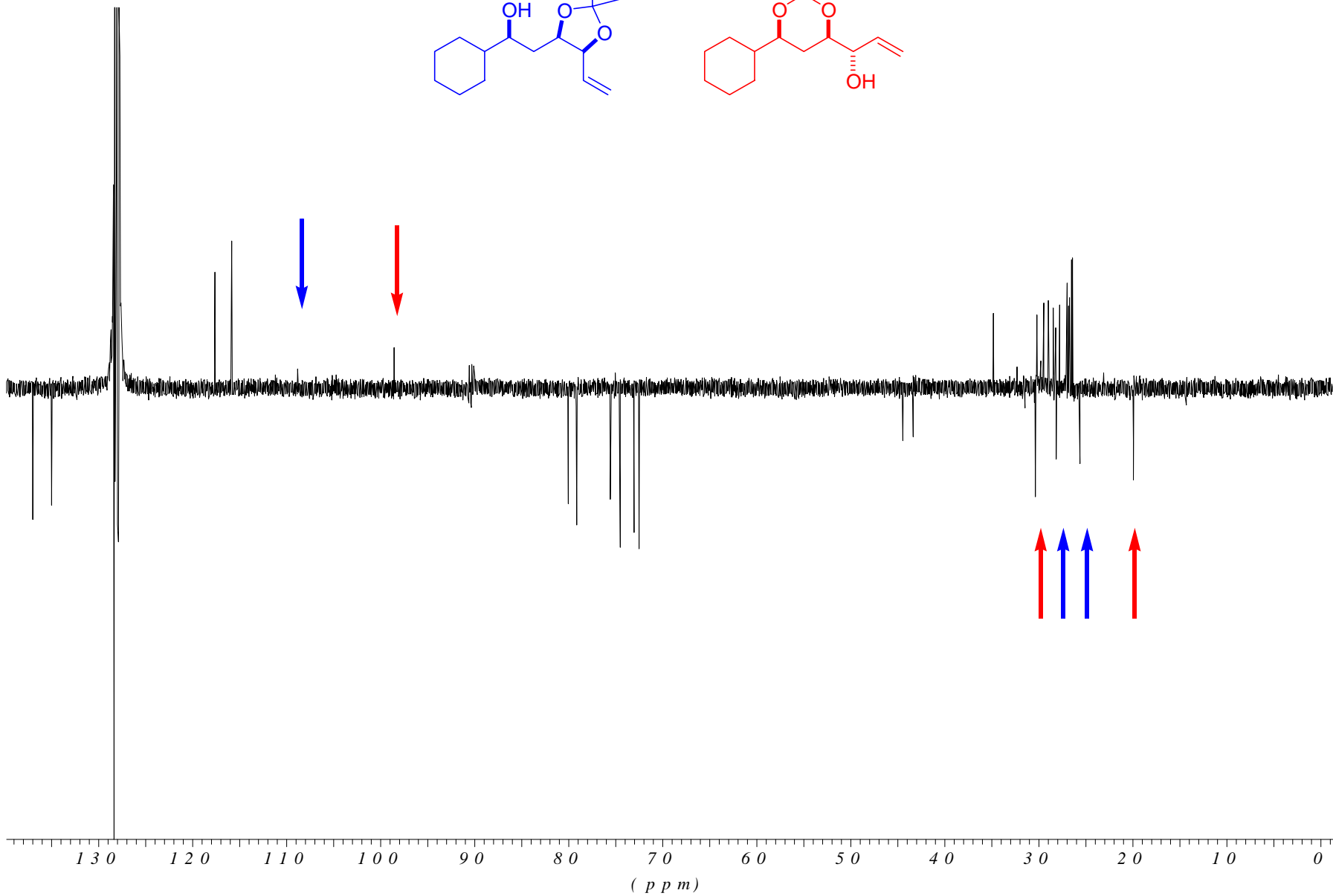
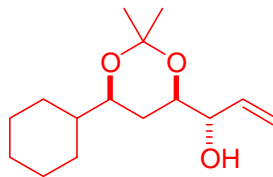
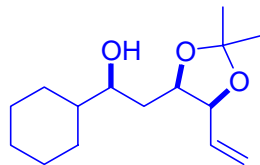
(1*S, 3*R**, 4*S**) 1-Cyclohexyl-hex-5-ene-1,3,4-triol 9e**



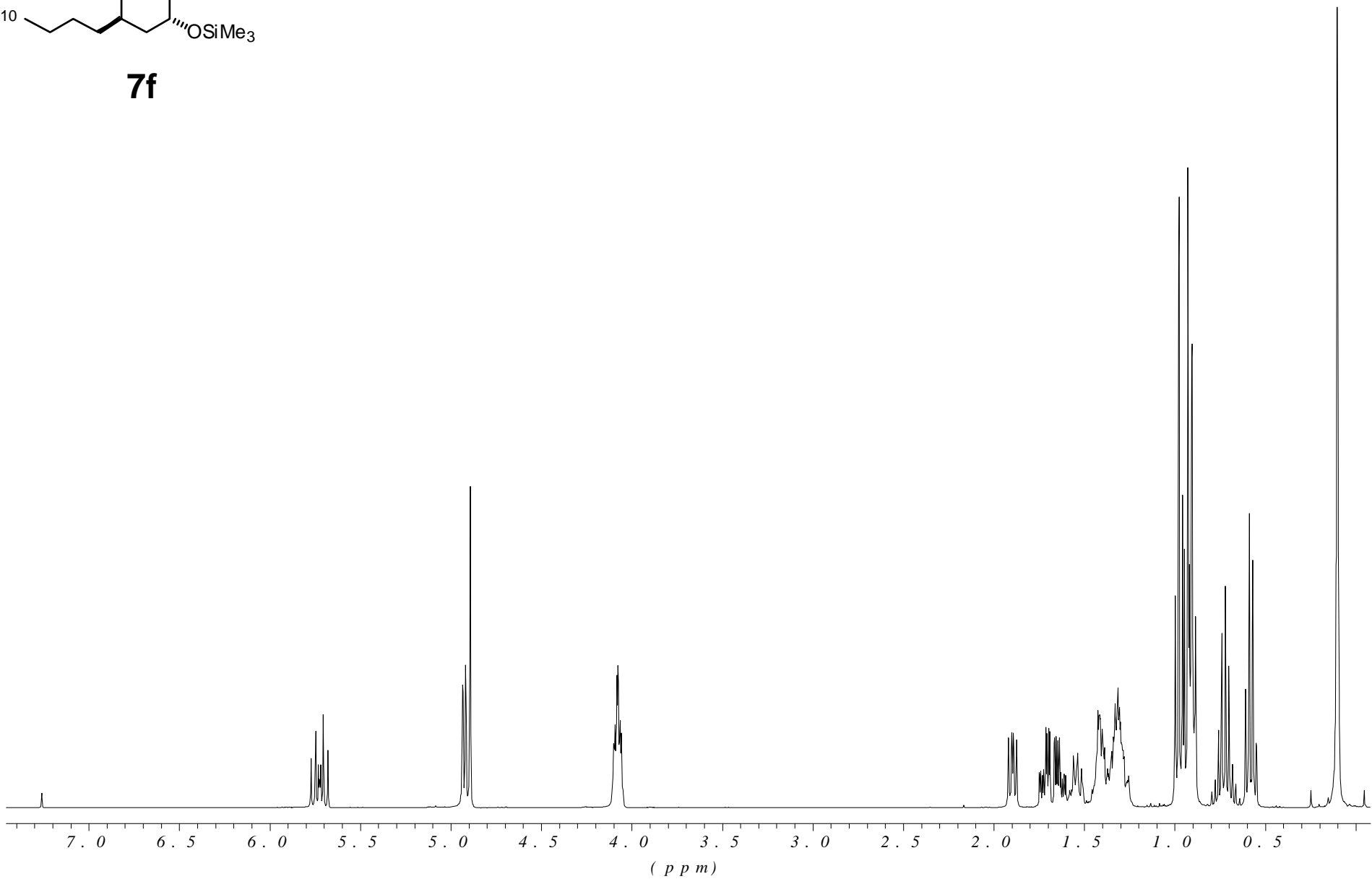
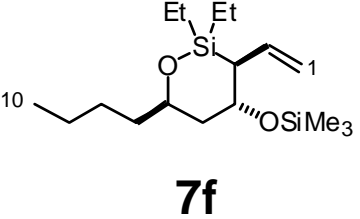
9e



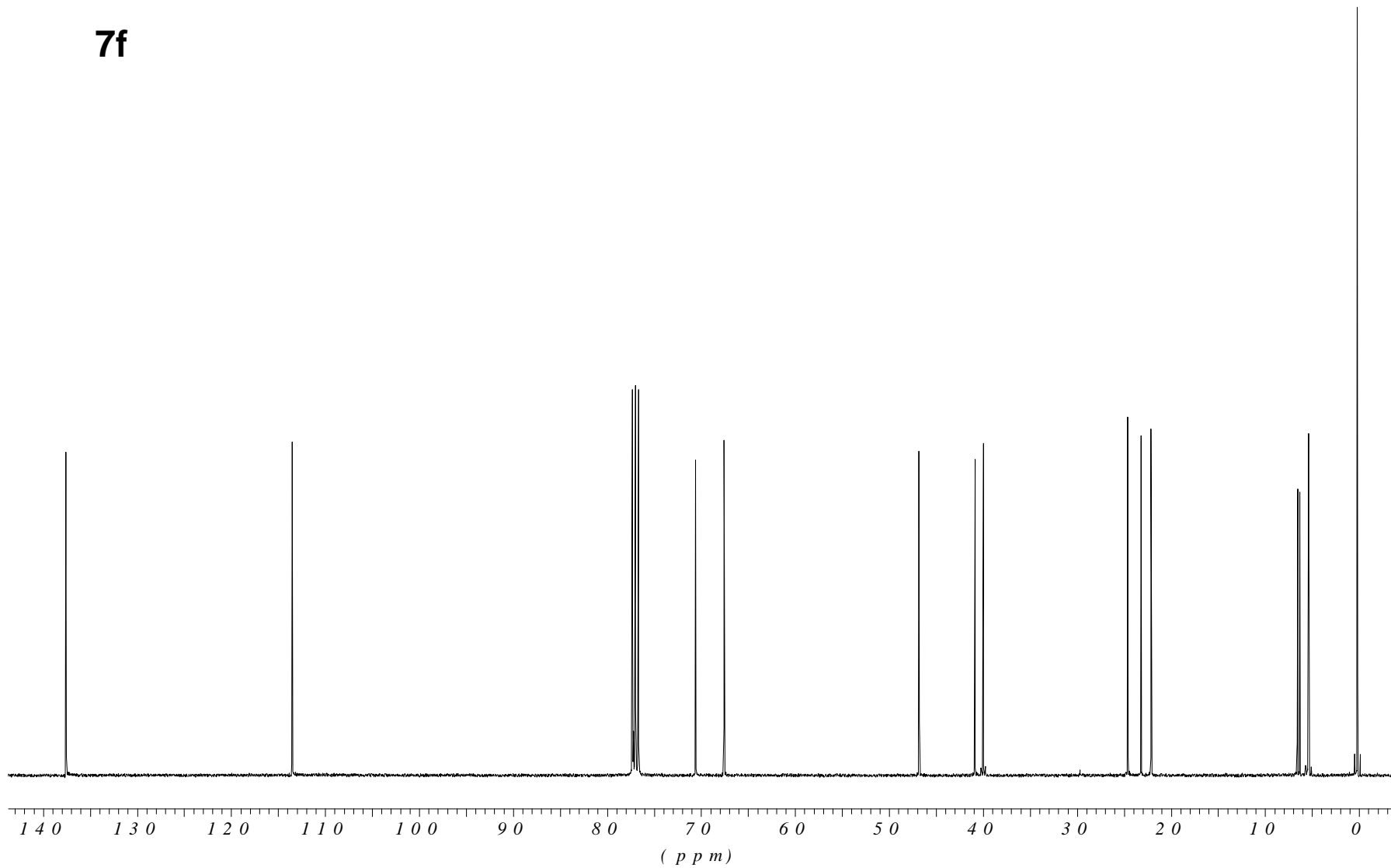
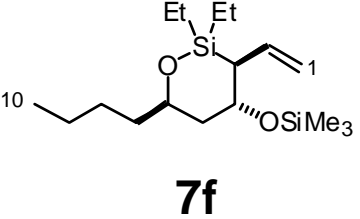
(1*S*^{*}, 3*R*^{*}, 4*S*^{*}) 1-Cyclohexyl-hex-5-ene-1,3,4-triol 9e



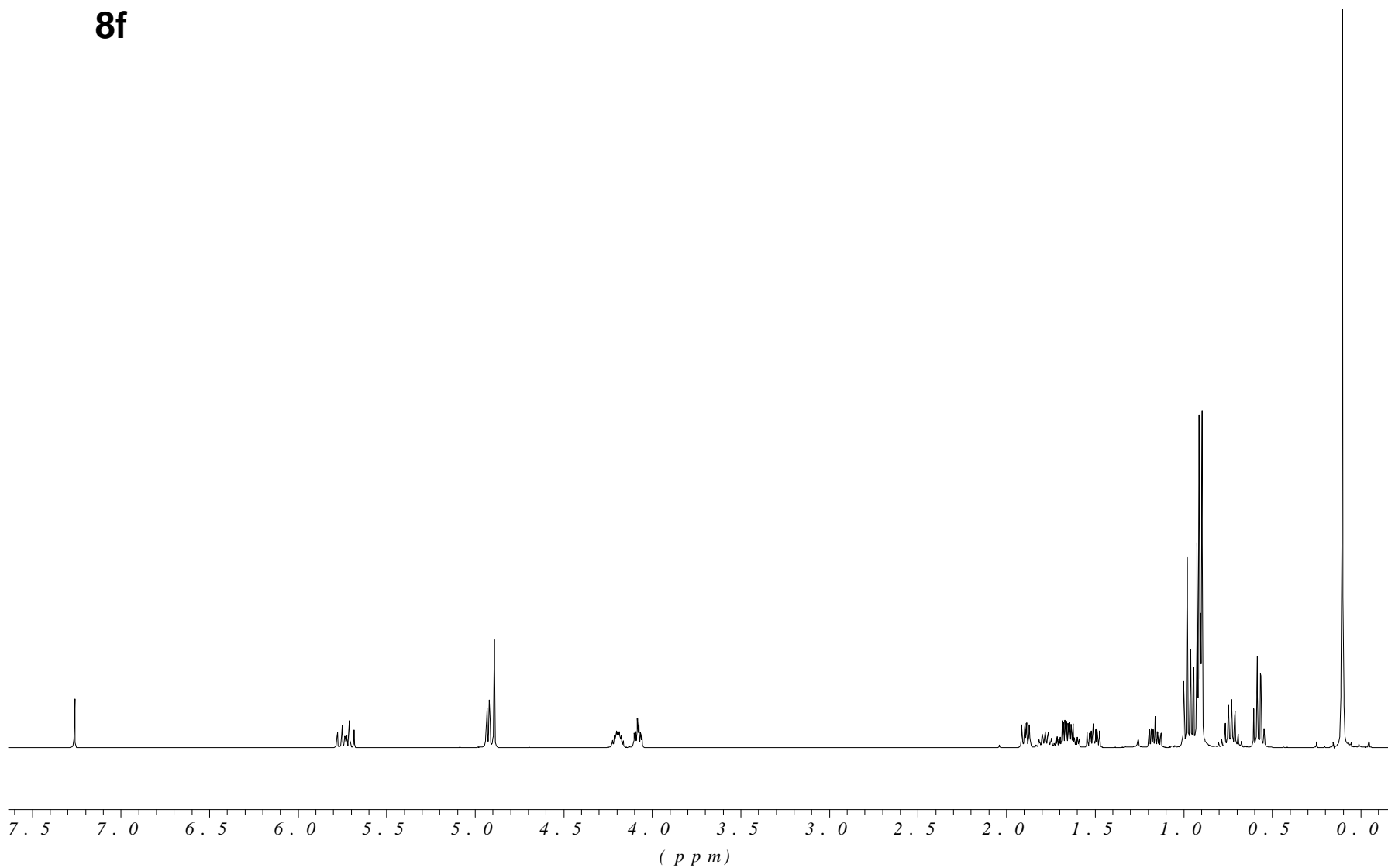
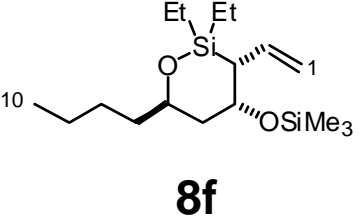
Acetonide products from Triol 9e



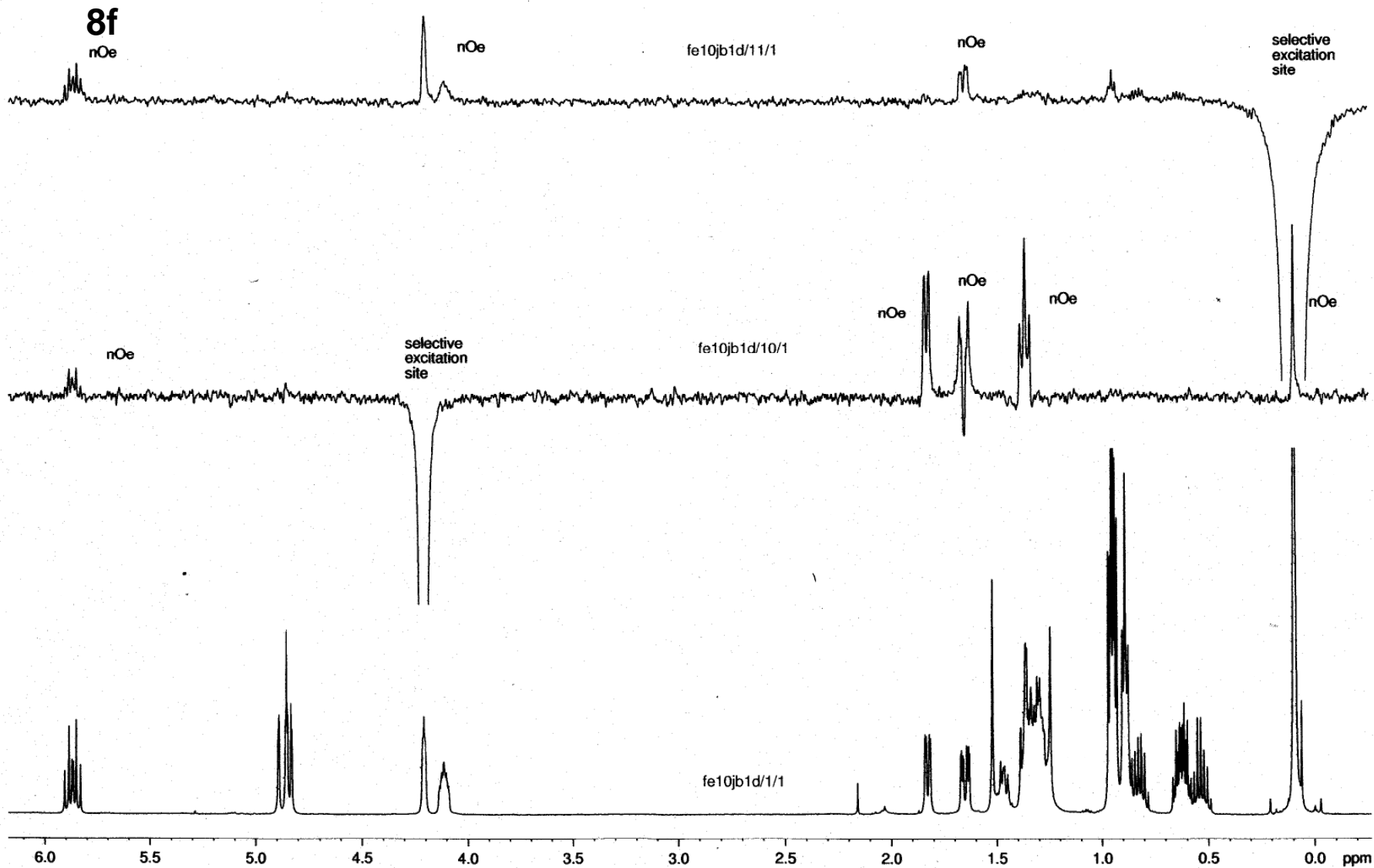
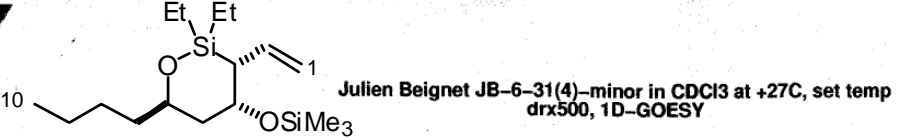
(3*S*^{*}, 4*R*^{*}, 6*R*^{*}) oxasilinane 7f



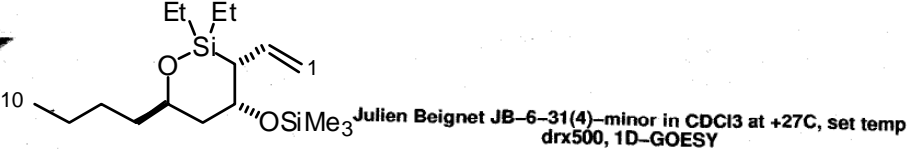
(3S*, 4R*, 6R*) oxasilinane 7f



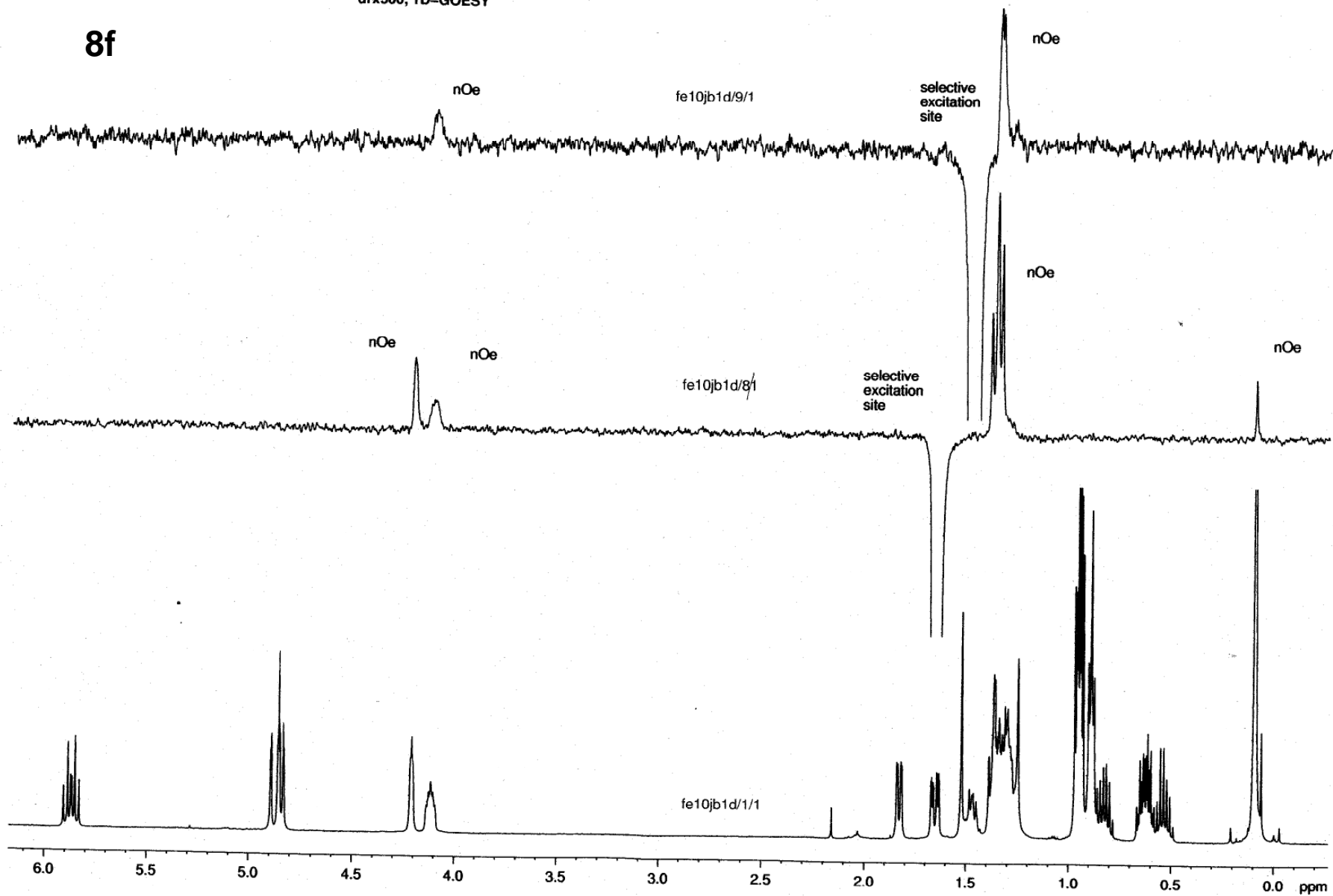
(3R*, 4R*, 6R*) oxasilinane 8f



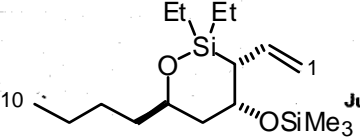
(3*R**, 4*R**, 6*R**) oxasilinane **8f**



8f

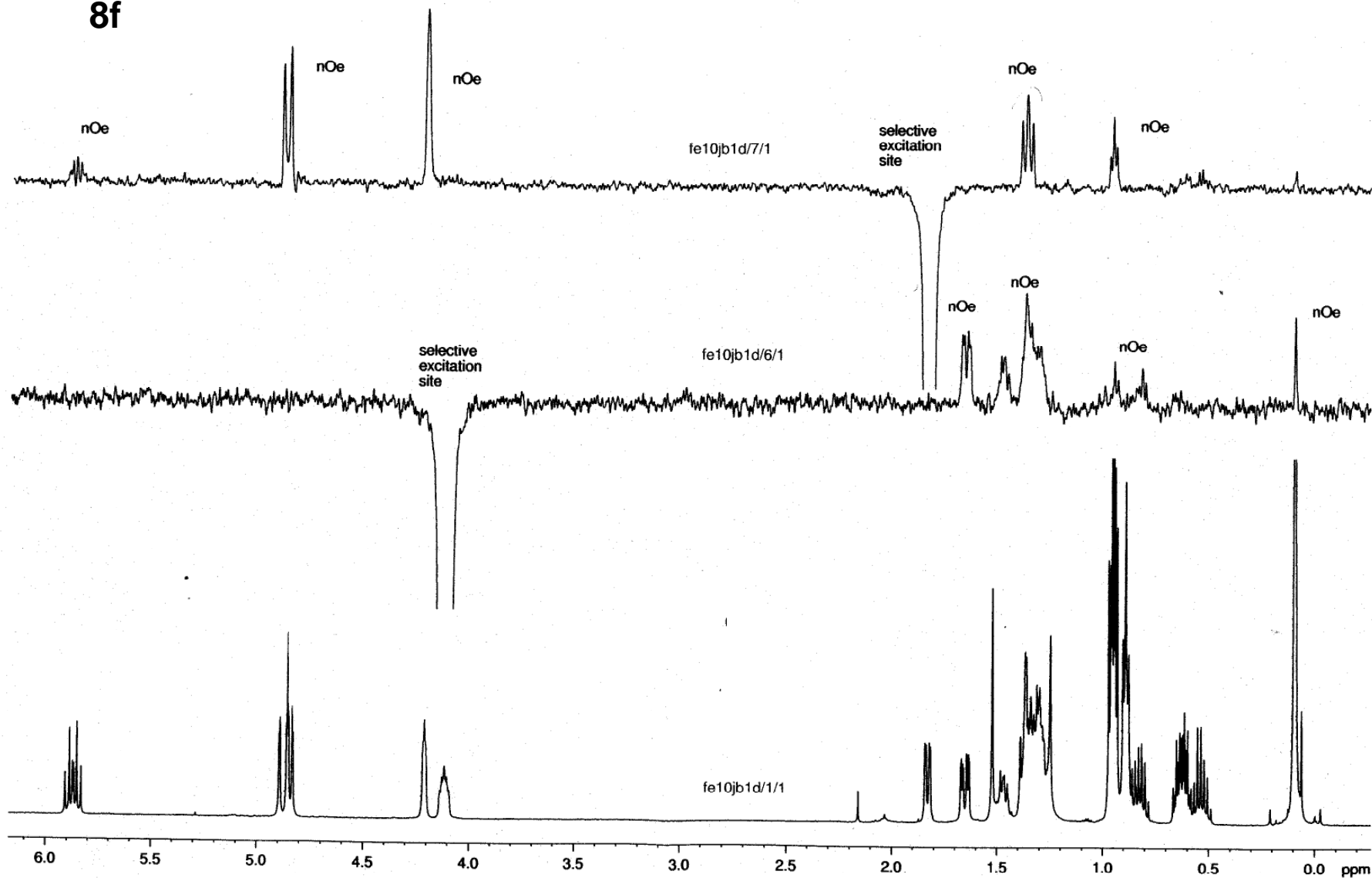


(3R*, 4R*, 6R*) oxasilinane 8f

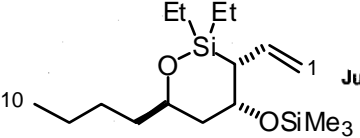


Julien Beignet JB-6-31(4)-minor in CDCl₃ at +27C, set temp
drx500, 1D-GOESY

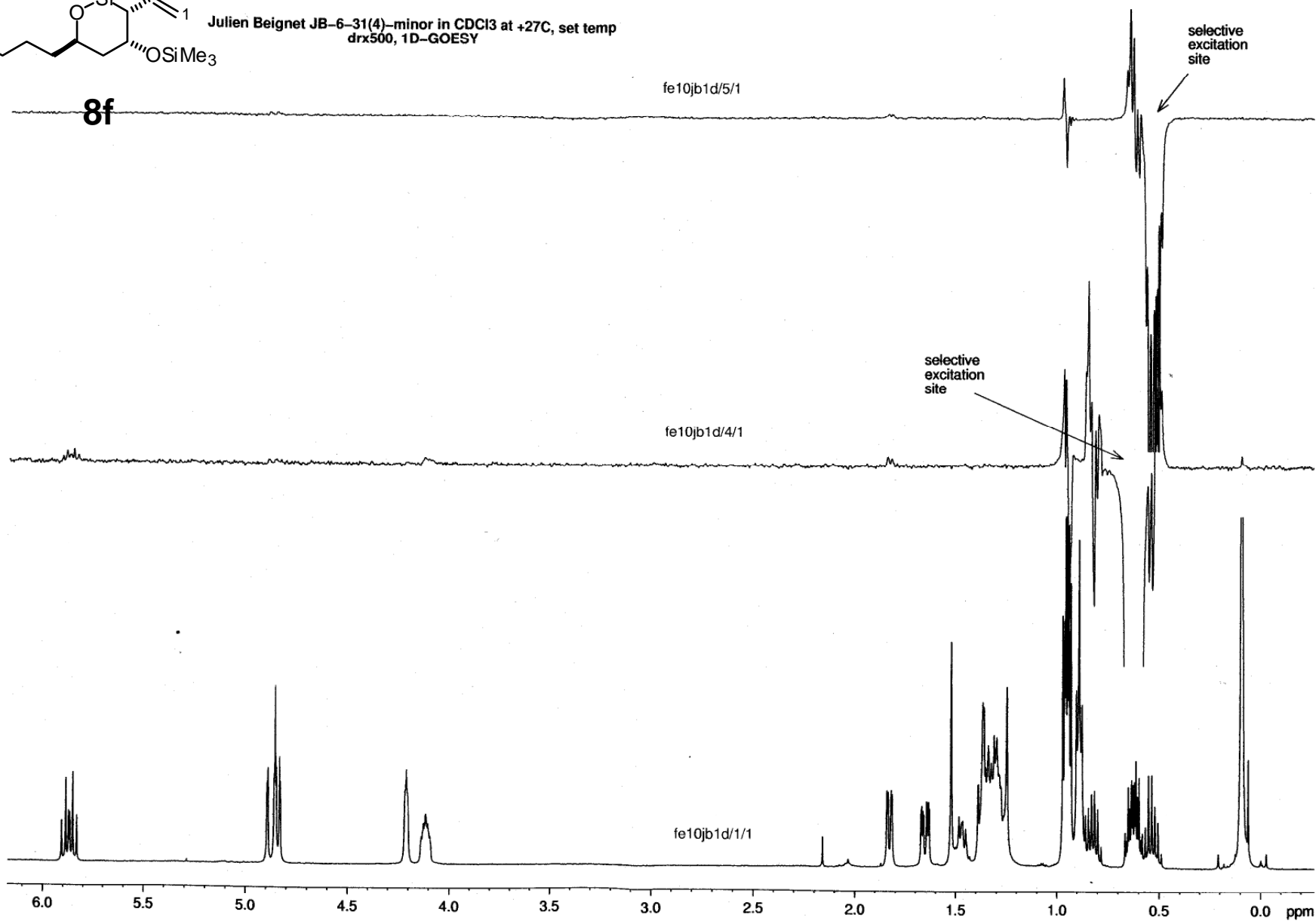
8f



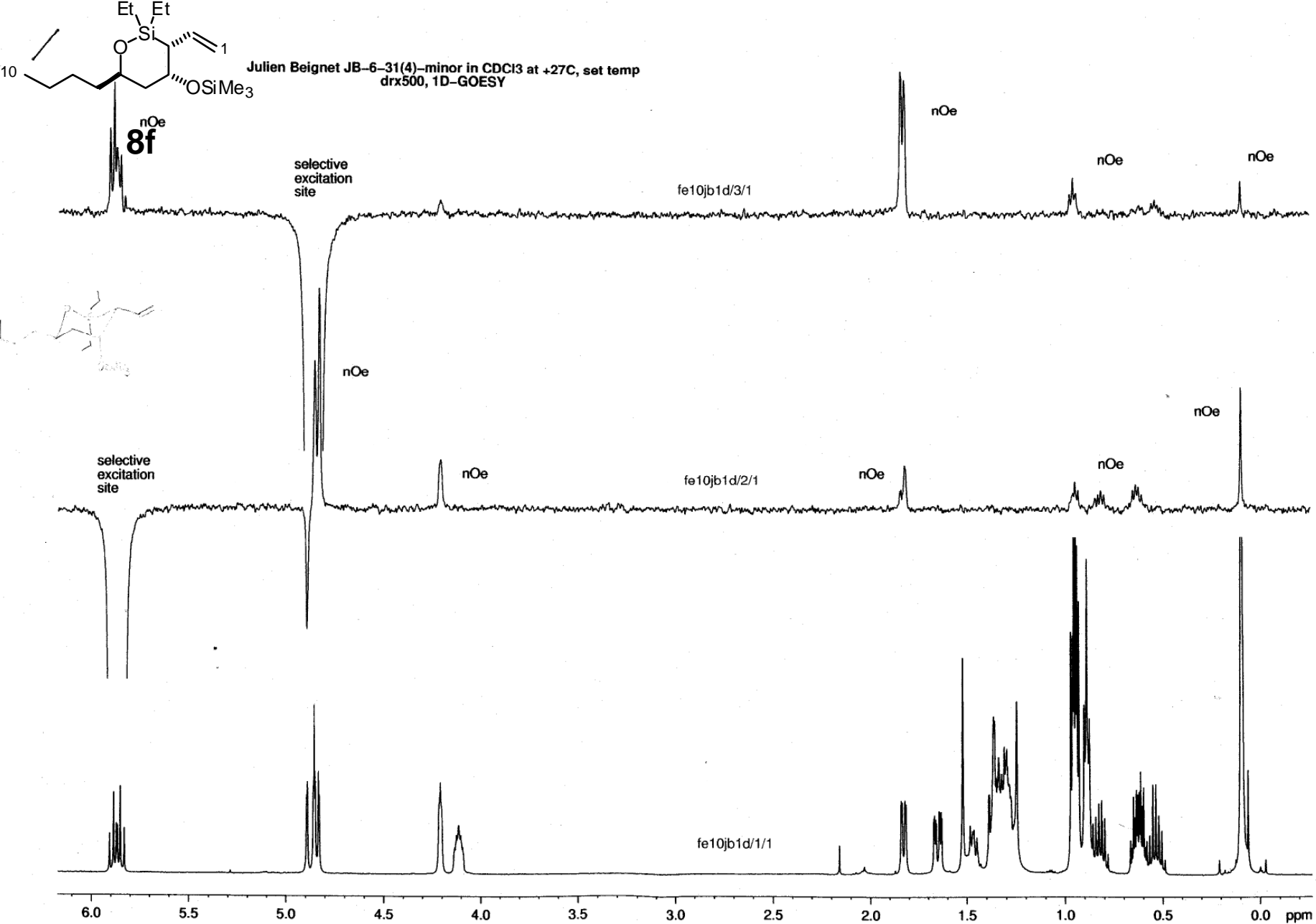
(3*R**, 4*R**, 6*R**) oxasilinane 8f



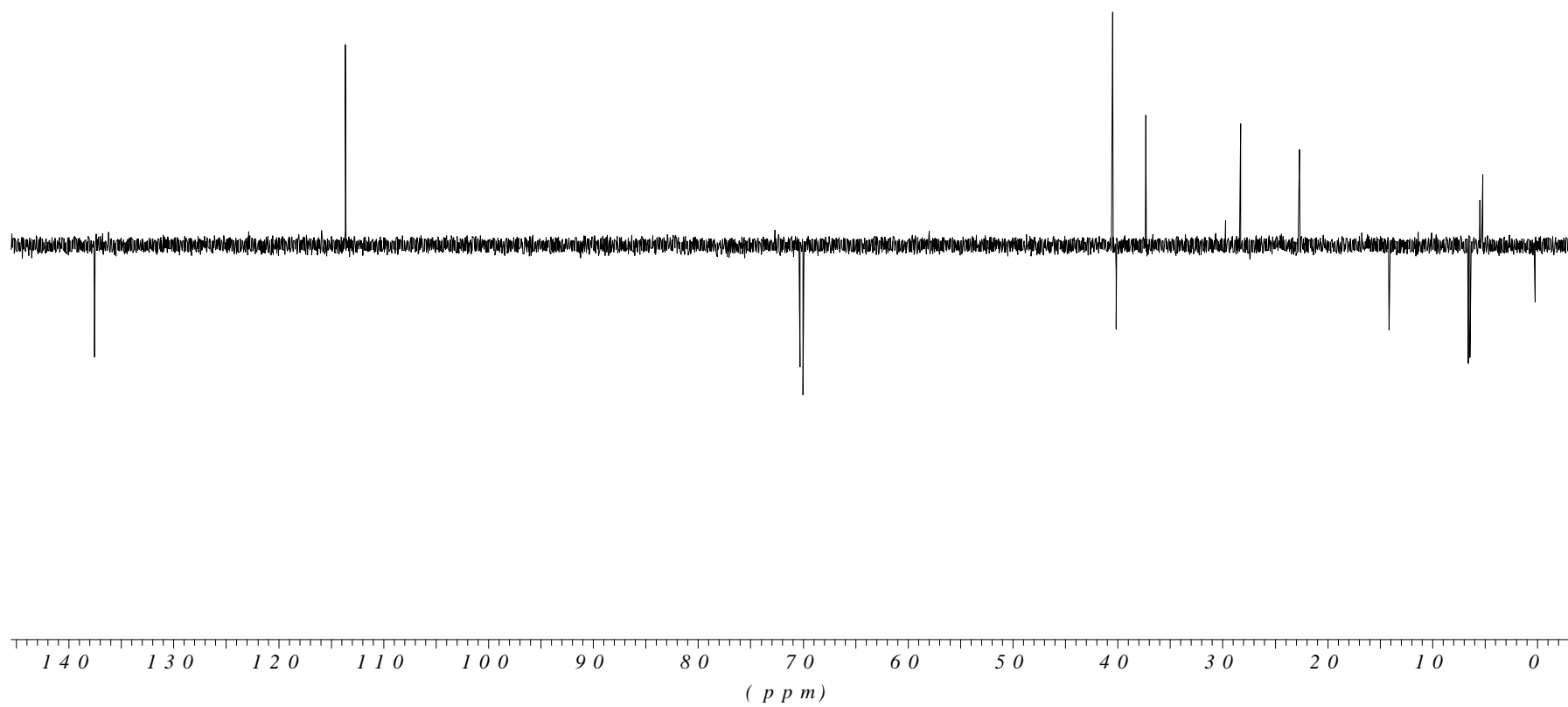
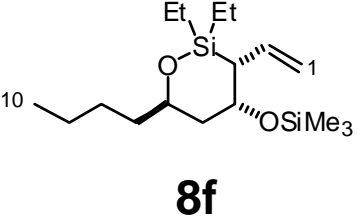
Julien Beignet JB-6-31(4)-minor in CDCl₃ at +27C, set temp
drx500, 1D-GOESY



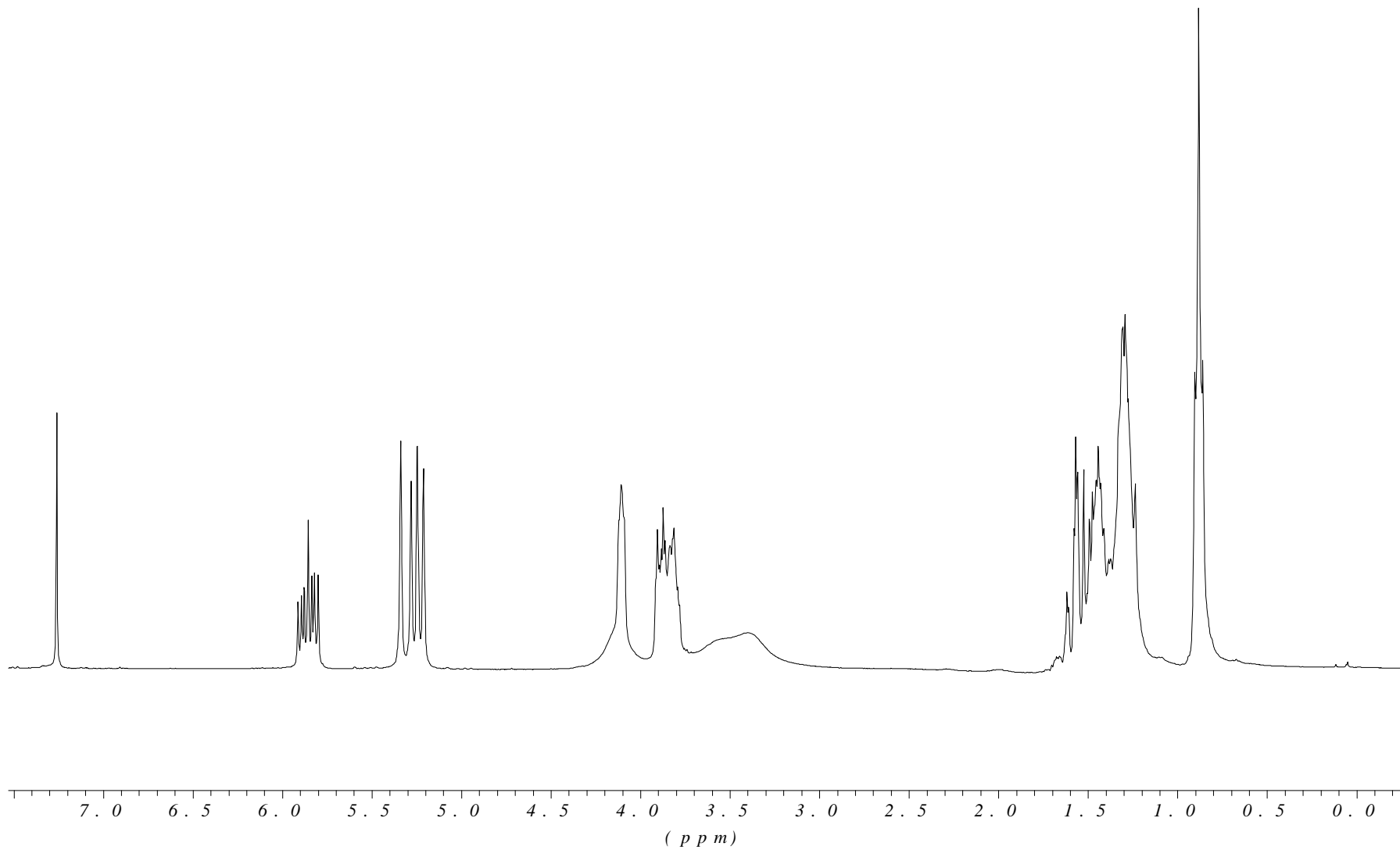
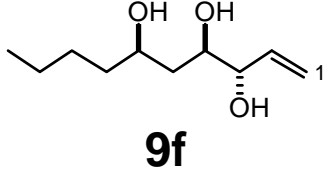
(3*R, 4*R**, 6*R**) oxasilinane 8f**



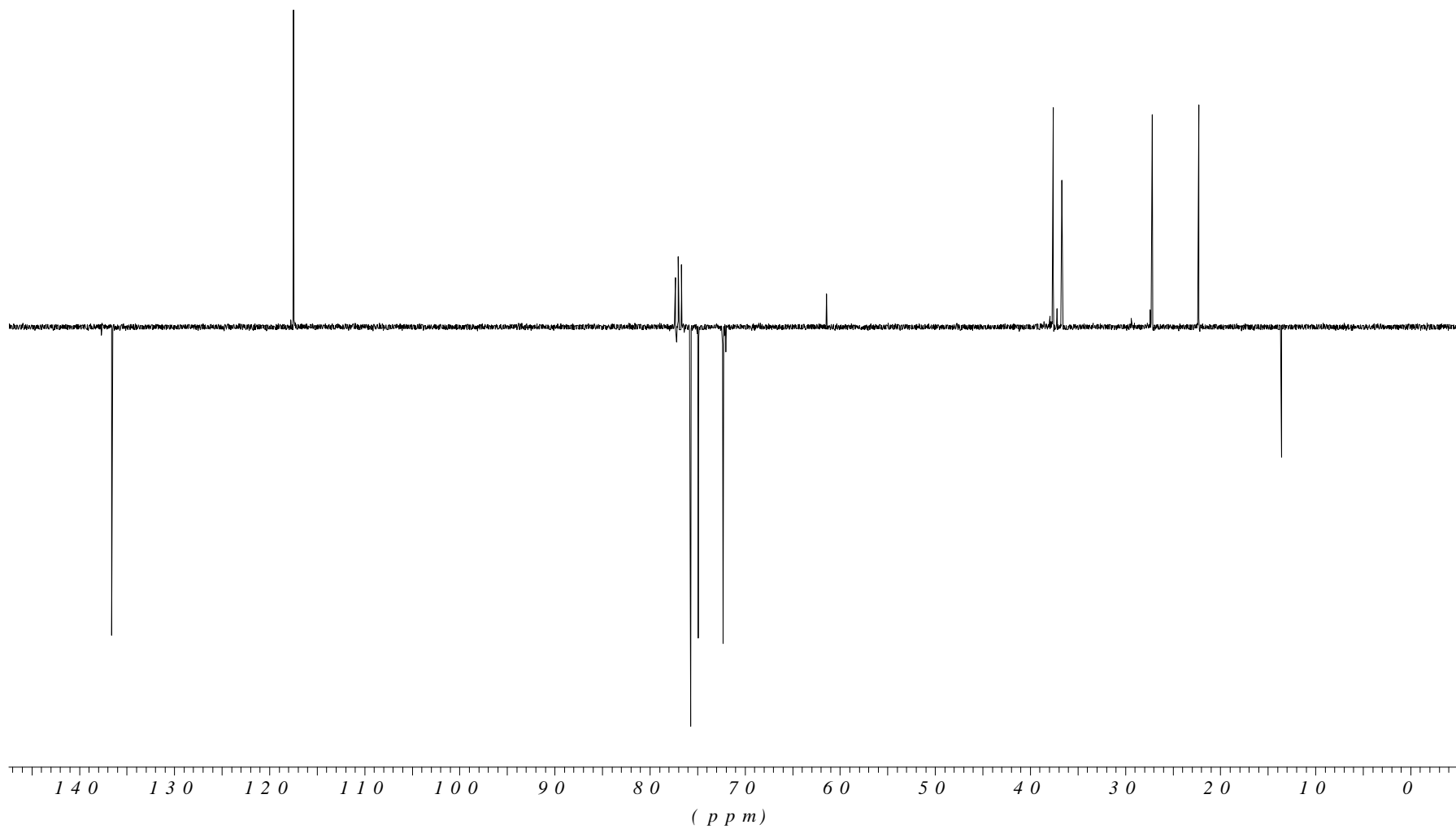
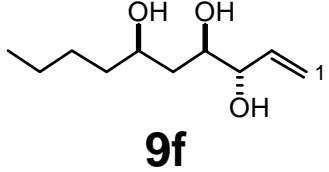
(3*R, 4*R**, 6*R**) oxasilinane 8f**



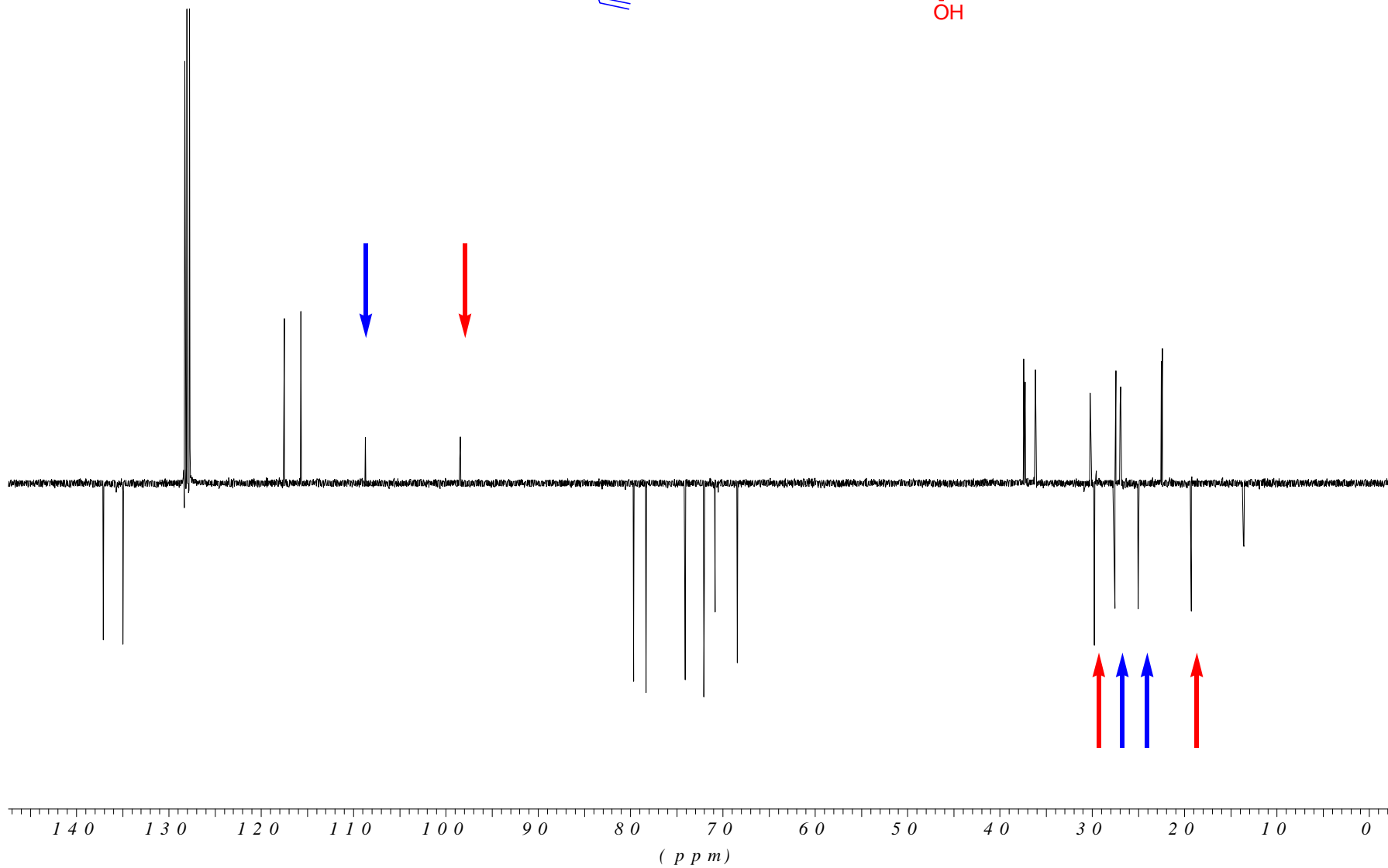
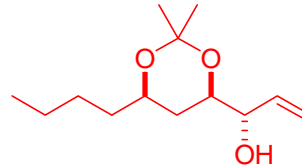
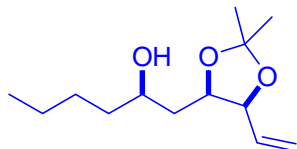
(3*R*^{*}, 4*R*^{*}, 6*R*^{*}) oxasilinane 8f



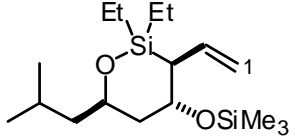
(3S*, 4R*, 6R*) Dec-1-ene-3,4,6-triol 9f



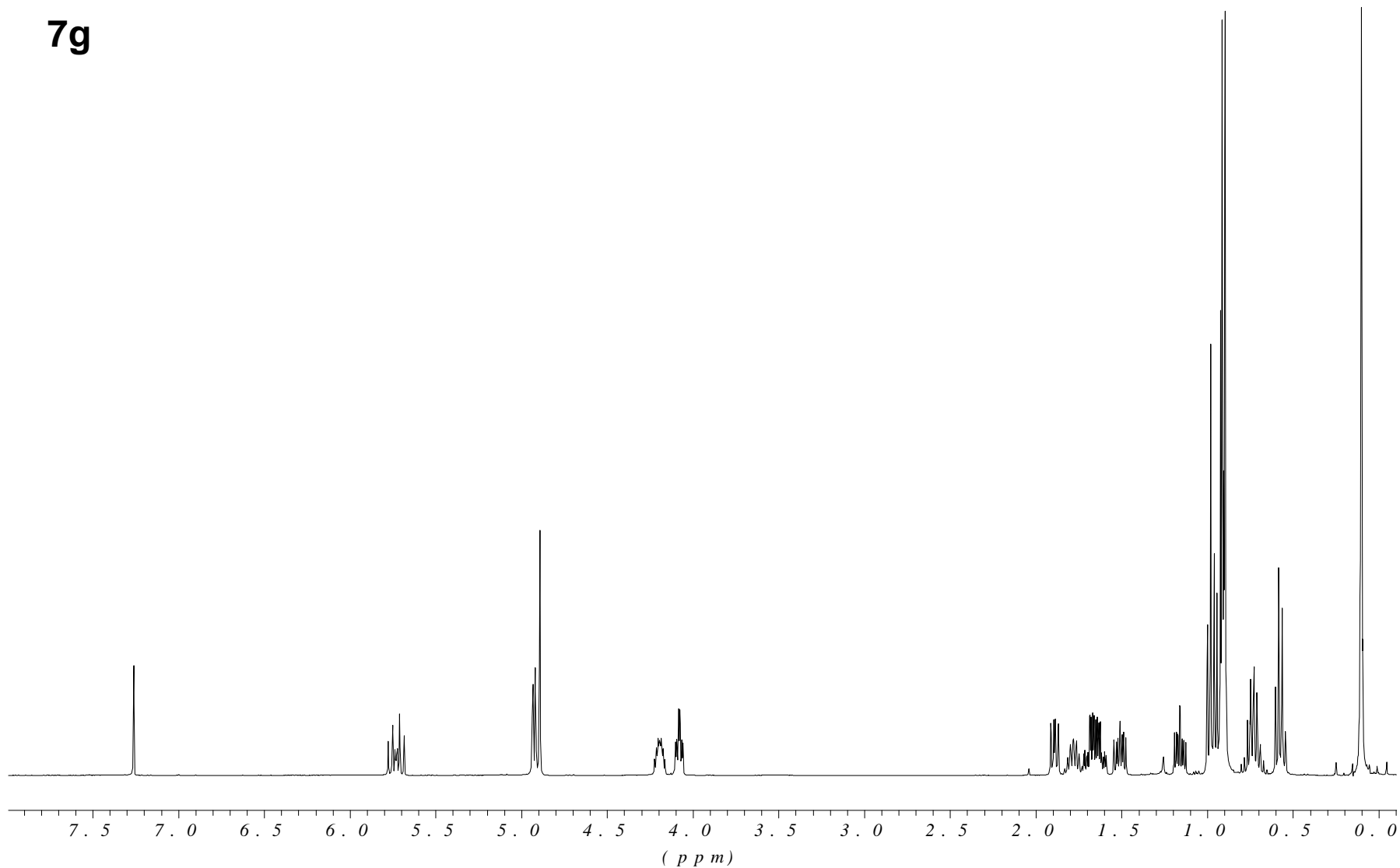
(3S*, 4R*, 6R*) Dec-1-ene-3,4,6-triol 9f



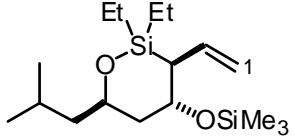
Acetone products from Triol 9f



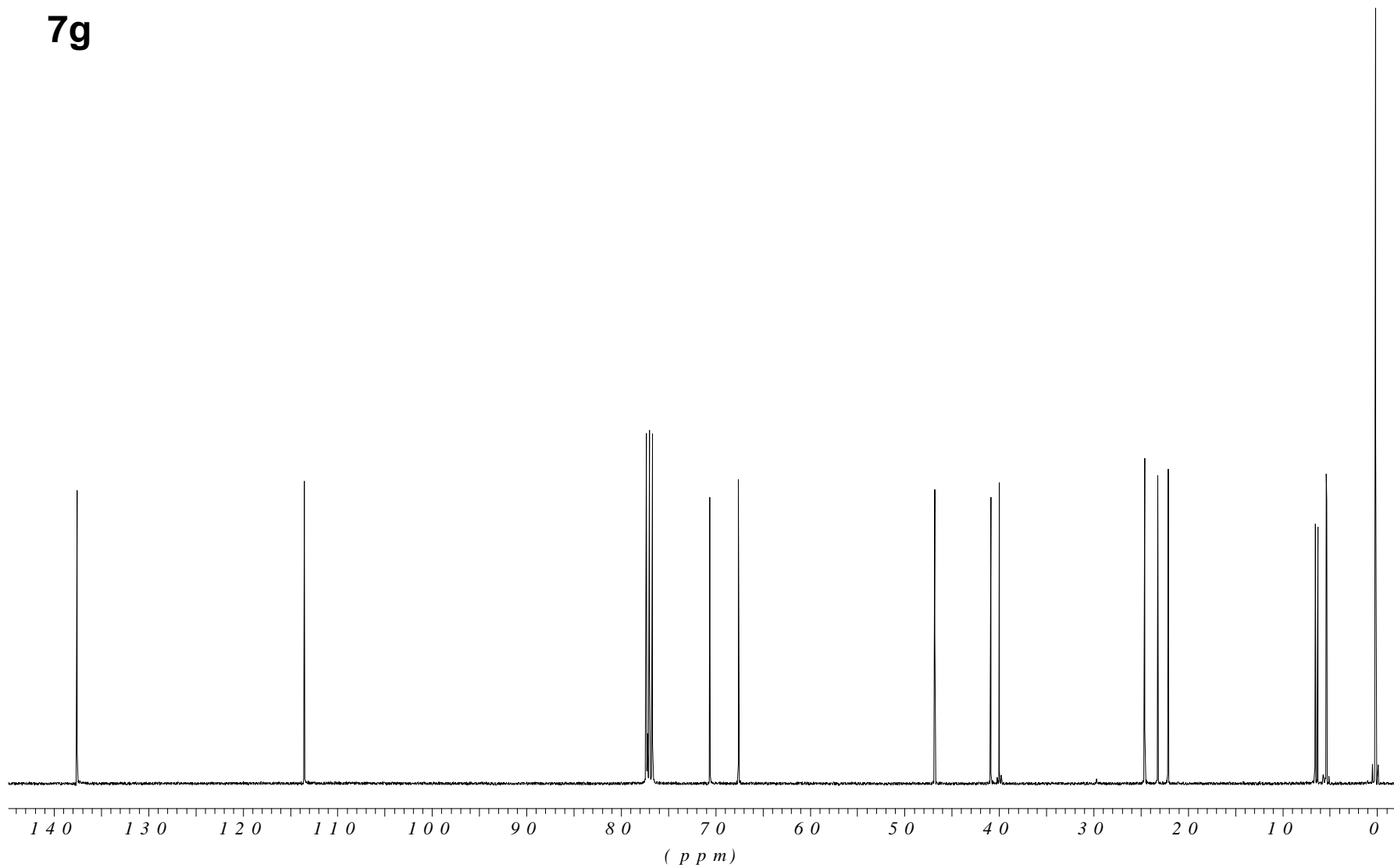
7g



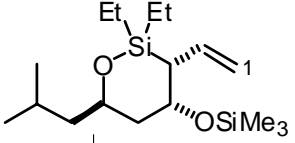
(3S*, 4R*, 6R*) oxasilinane 7g



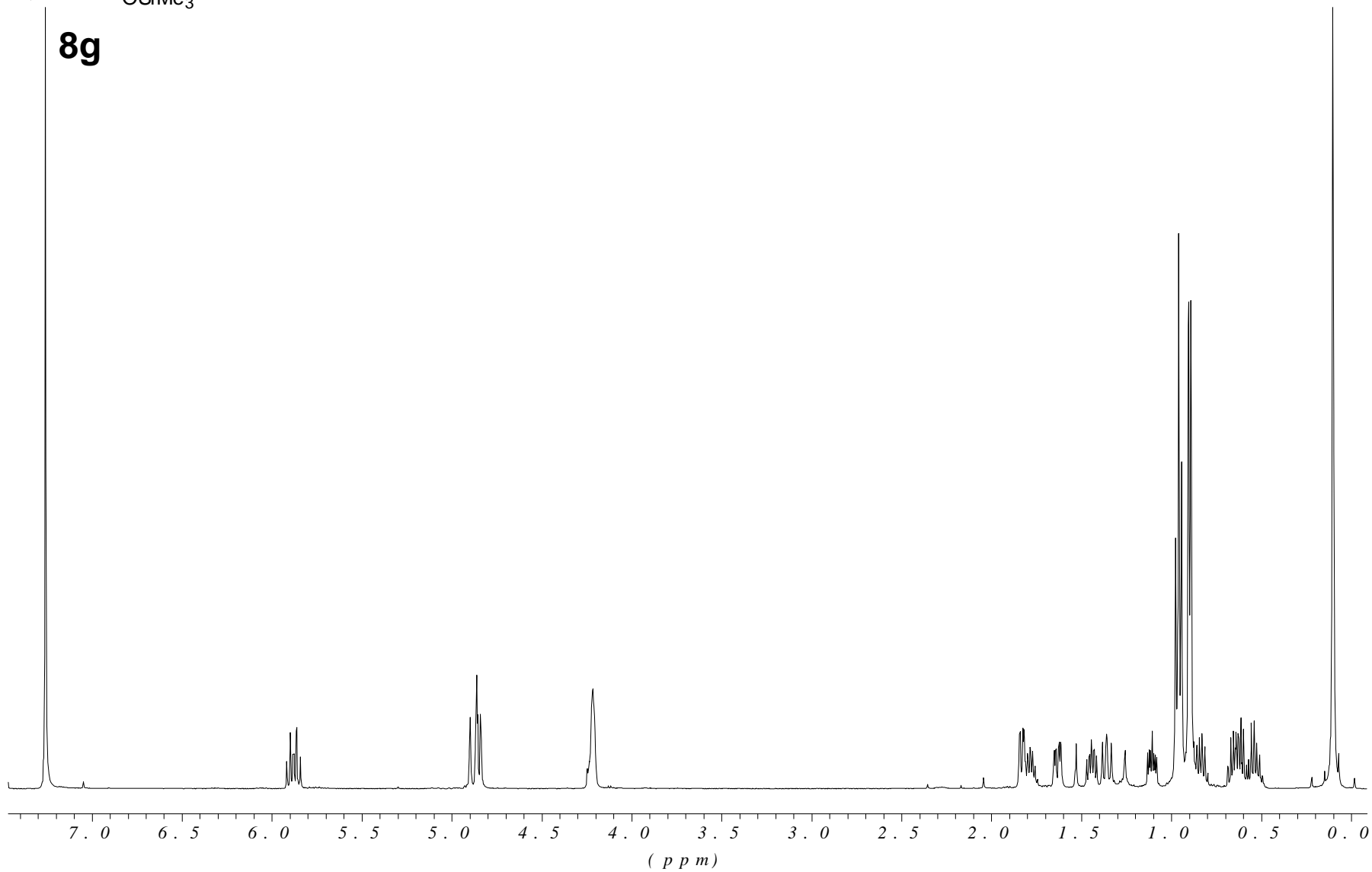
7g



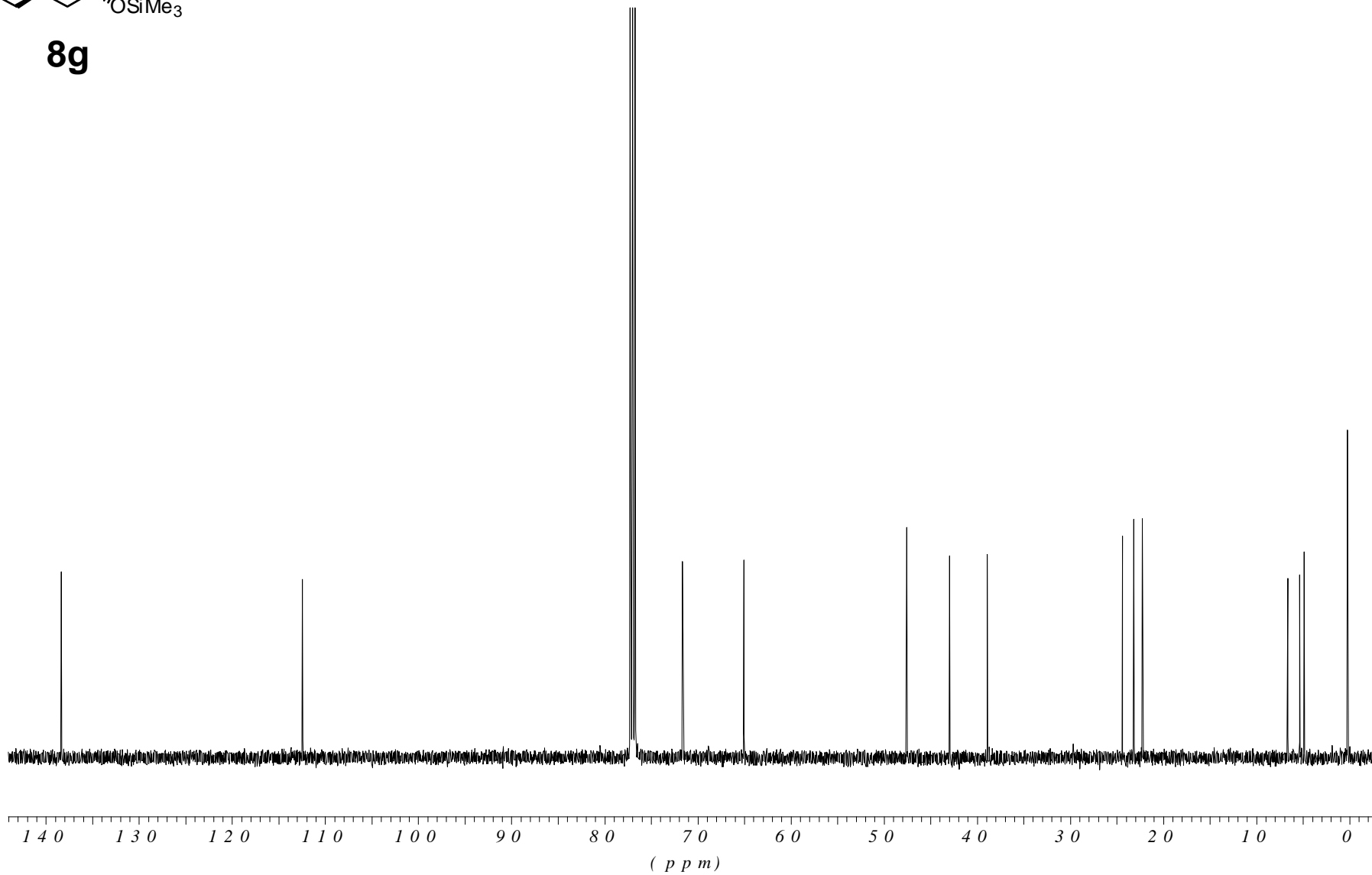
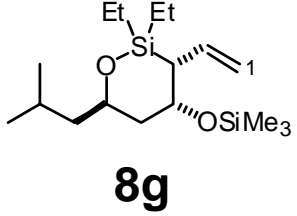
(3*S, 4*R**, 6*R**) oxasilinane 7g**



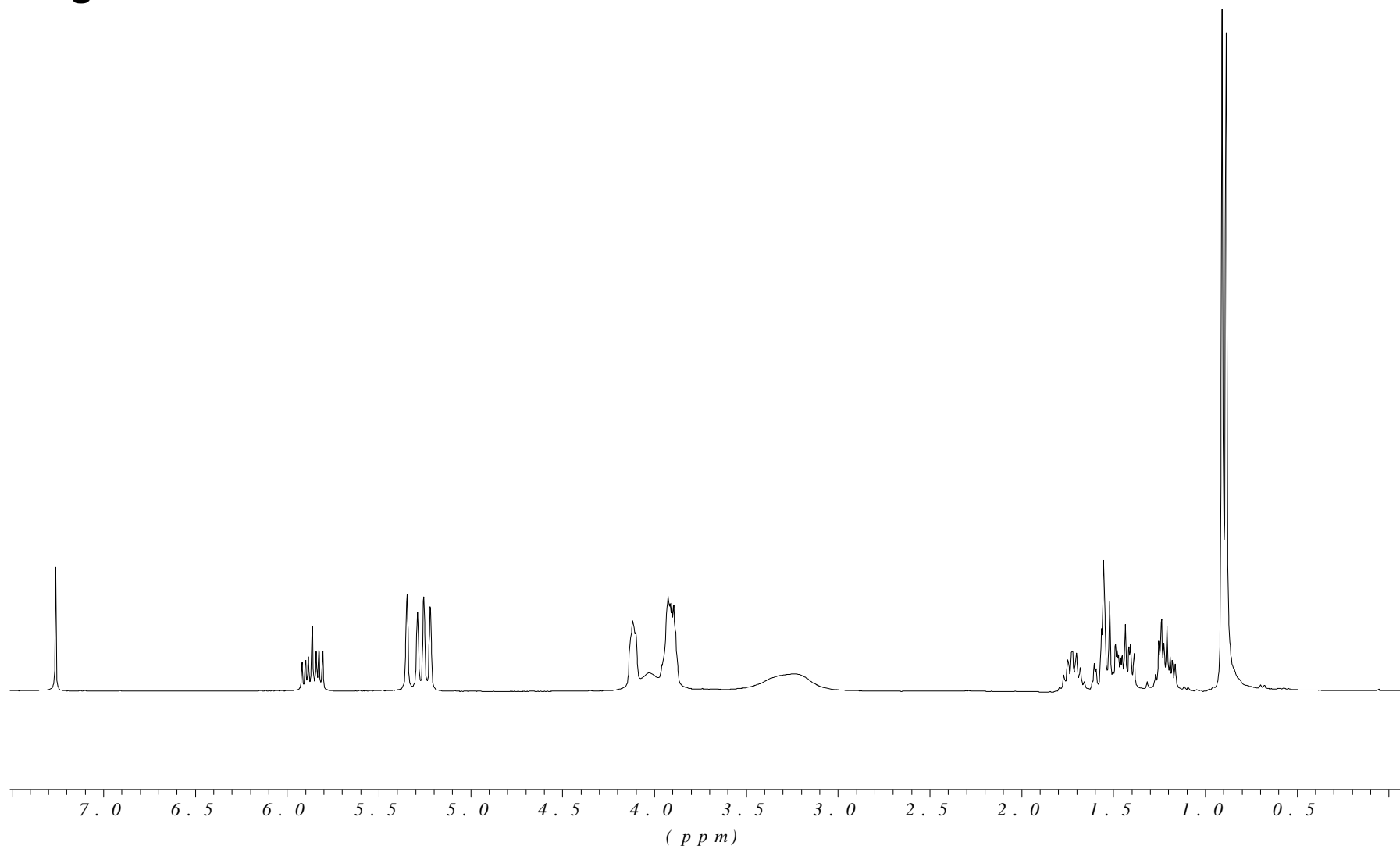
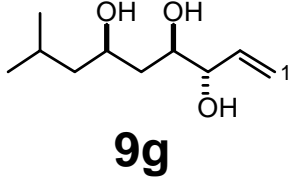
8g



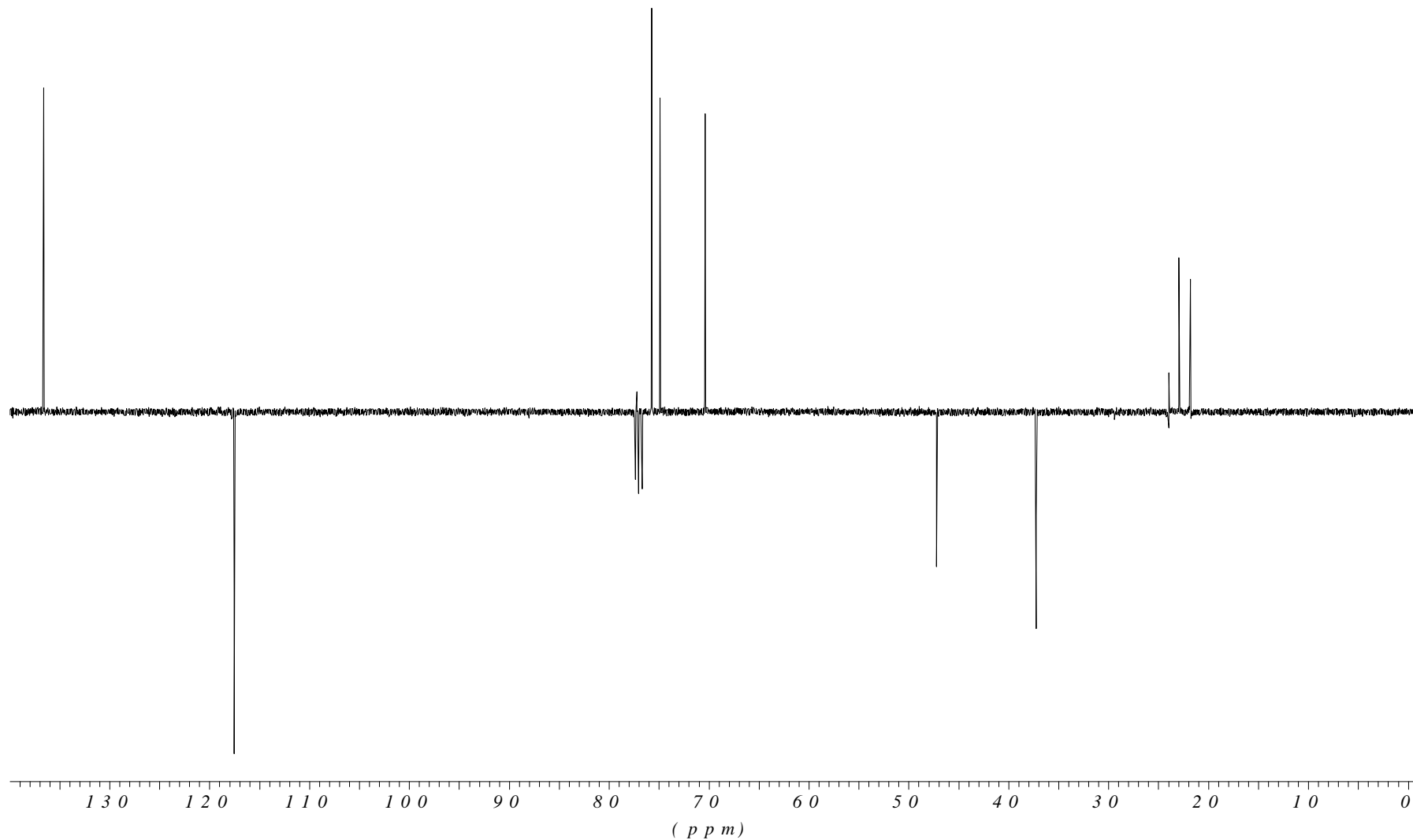
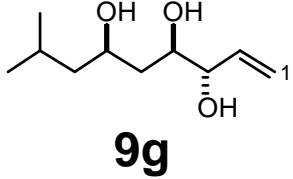
(3*R, 4*R**, 6*R**) oxasilinane 8g**



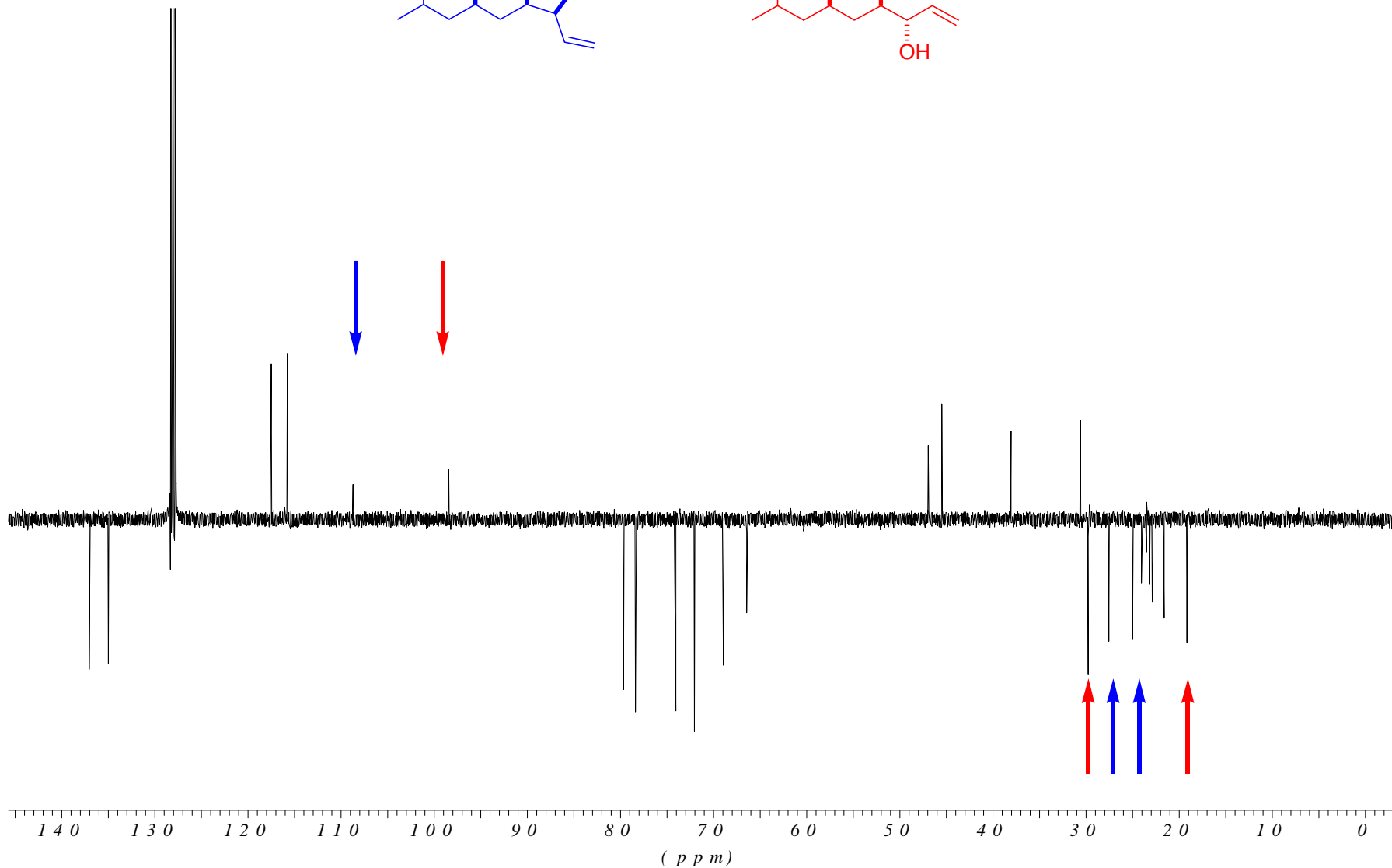
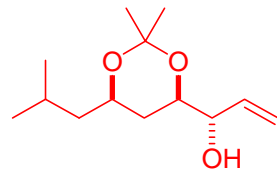
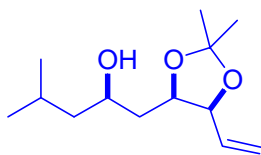
(3*R*^{*}, 4*R*^{*}, 6*R*^{*}) oxasilinane 8g



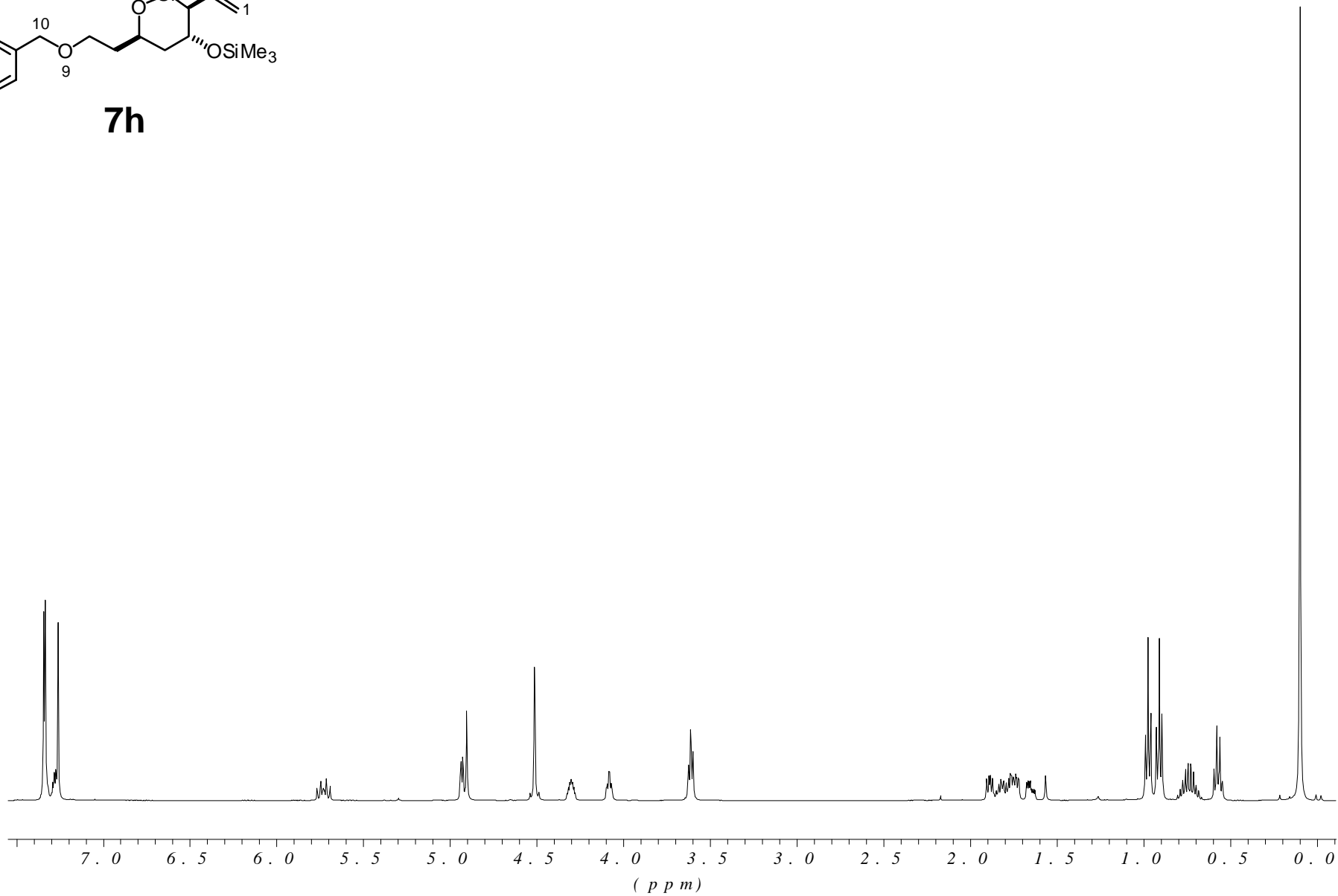
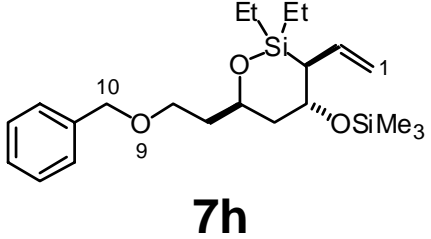
(3S*, 4R*, 6R*) 8-Methyl-non-1-ene-3,4,6-triol 9g



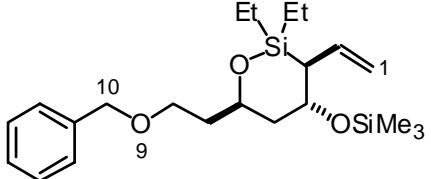
(3*S*^{*}, 4*R*^{*}, 6*R*^{*}) 8-Methyl-non-1-ene-3,4,6-triol 9g



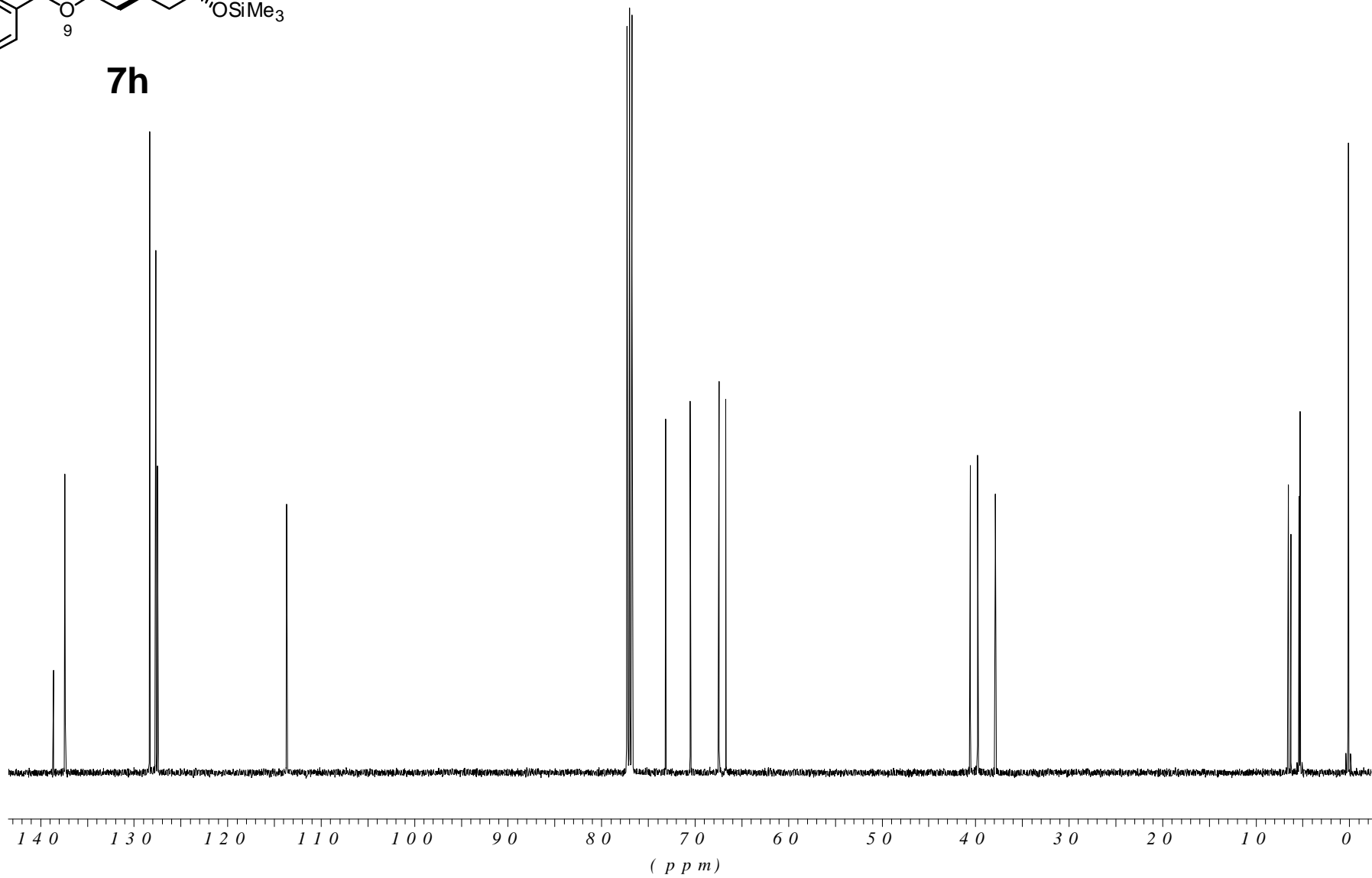
Acetone products from Triol 9g



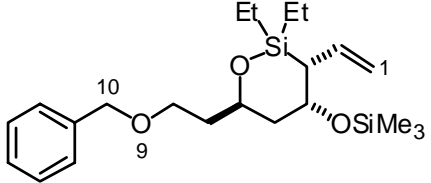
(3S*, 4R*, 6R*) oxasilinane 7h



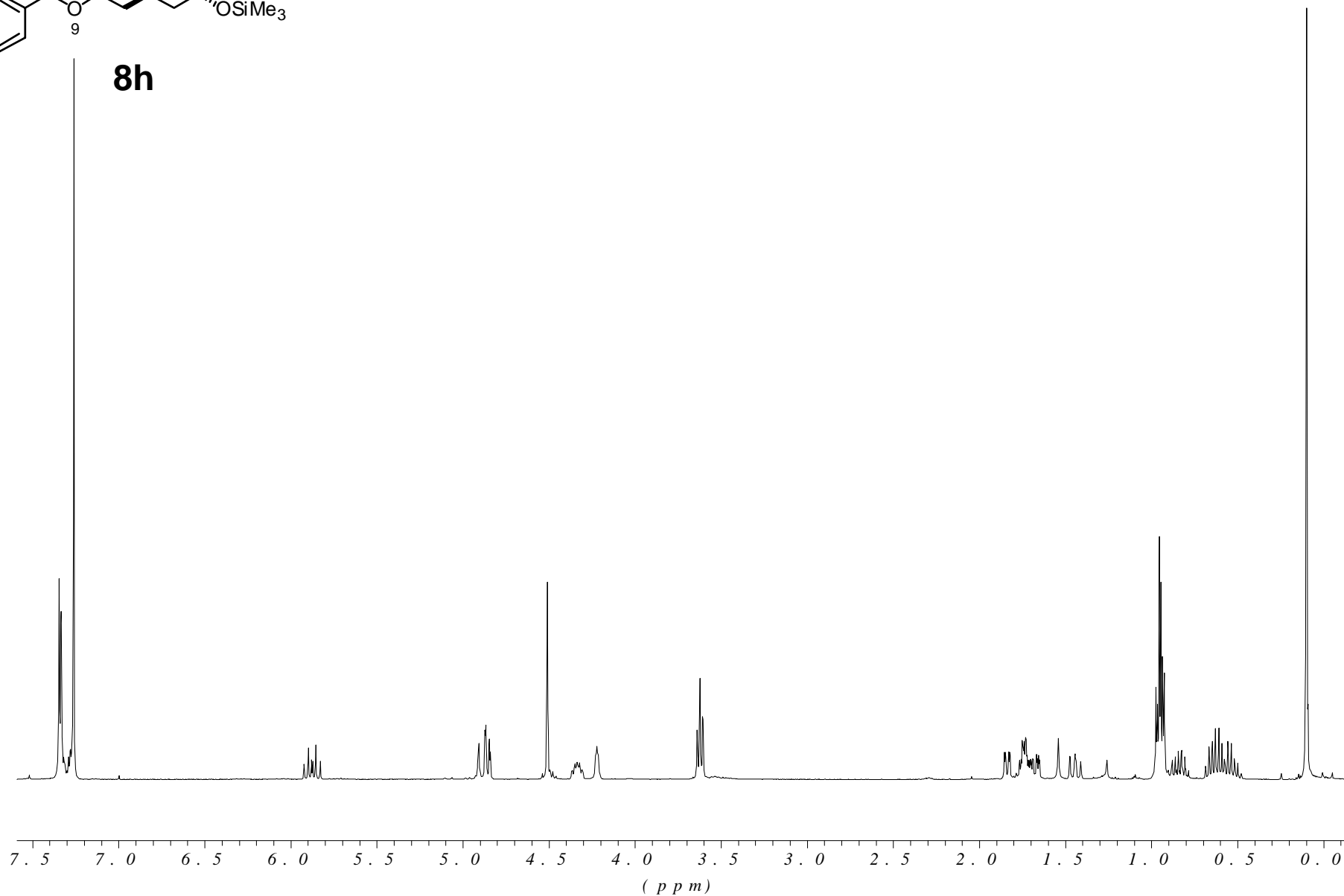
7h



(3*S, 4*R**, 6*R**) oxasilinane 7h**

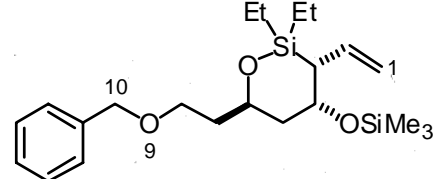


8h

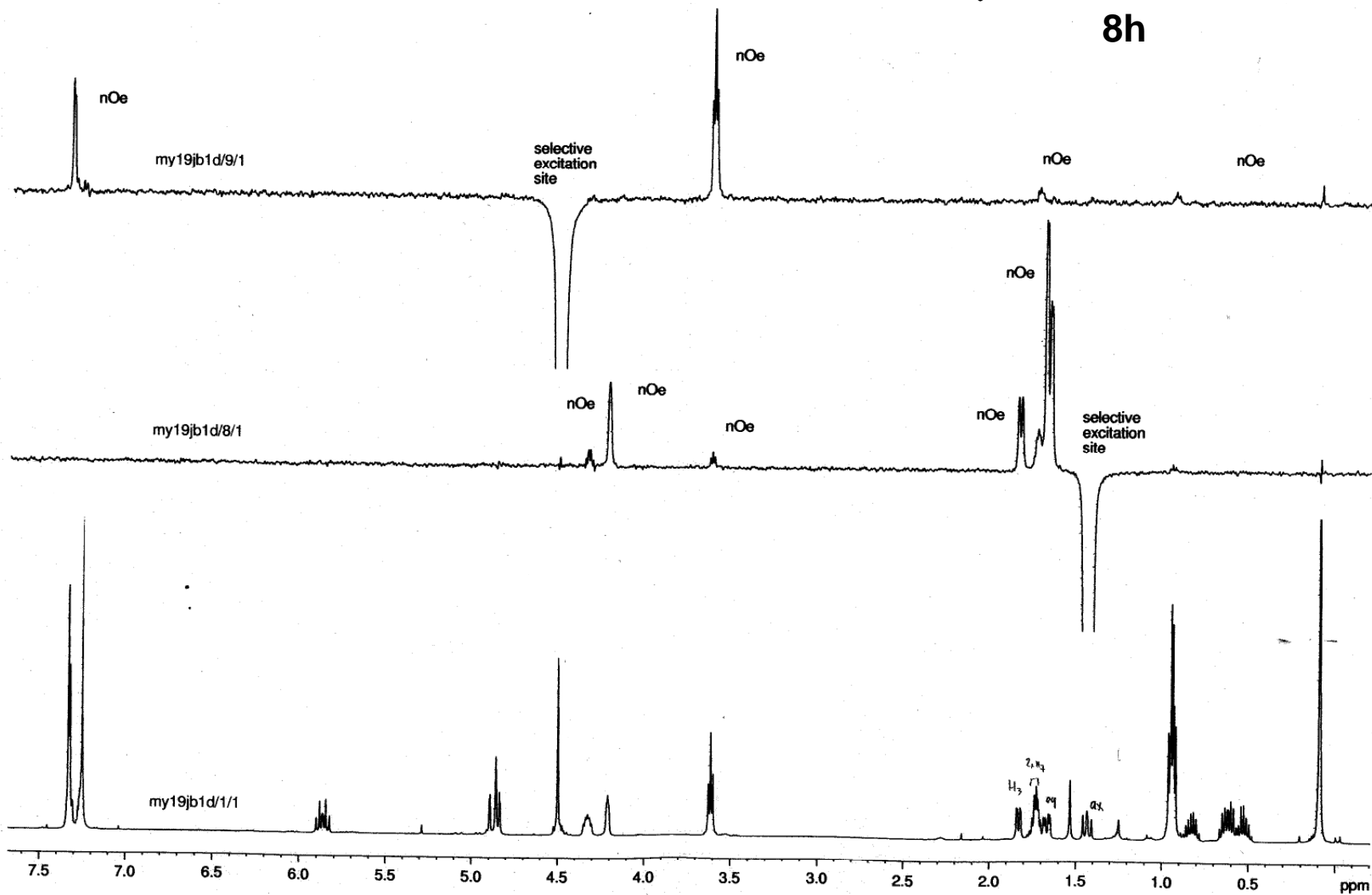


(3*R, 4*R**, 6*R**) oxasilinane 8h**

Julien Beignet JB-7-11(6) in CDCl3 at +27C, set temp
drx500, 1D-GOESY

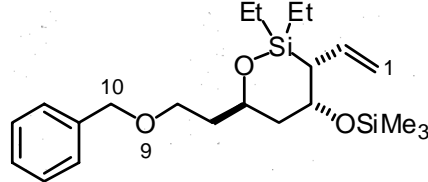


8h

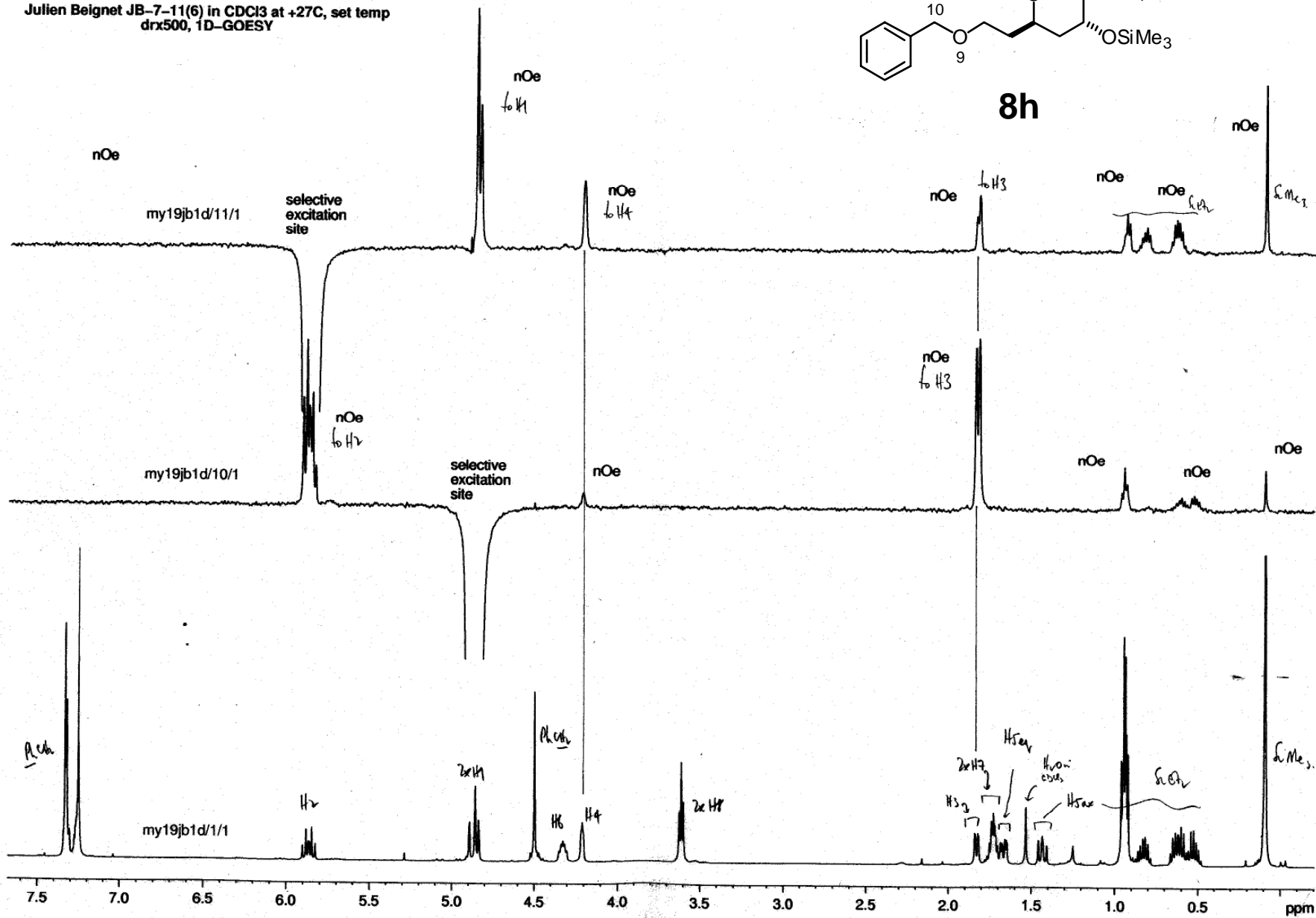


(3R*, 4R*, 6R*) oxasilinane 8h

Julien Beignet JB-7-11(6) in CDCl₃ at +27C, set temp
drx500, 1D-GOESY

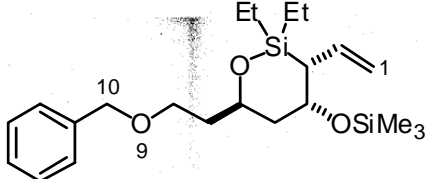


8h

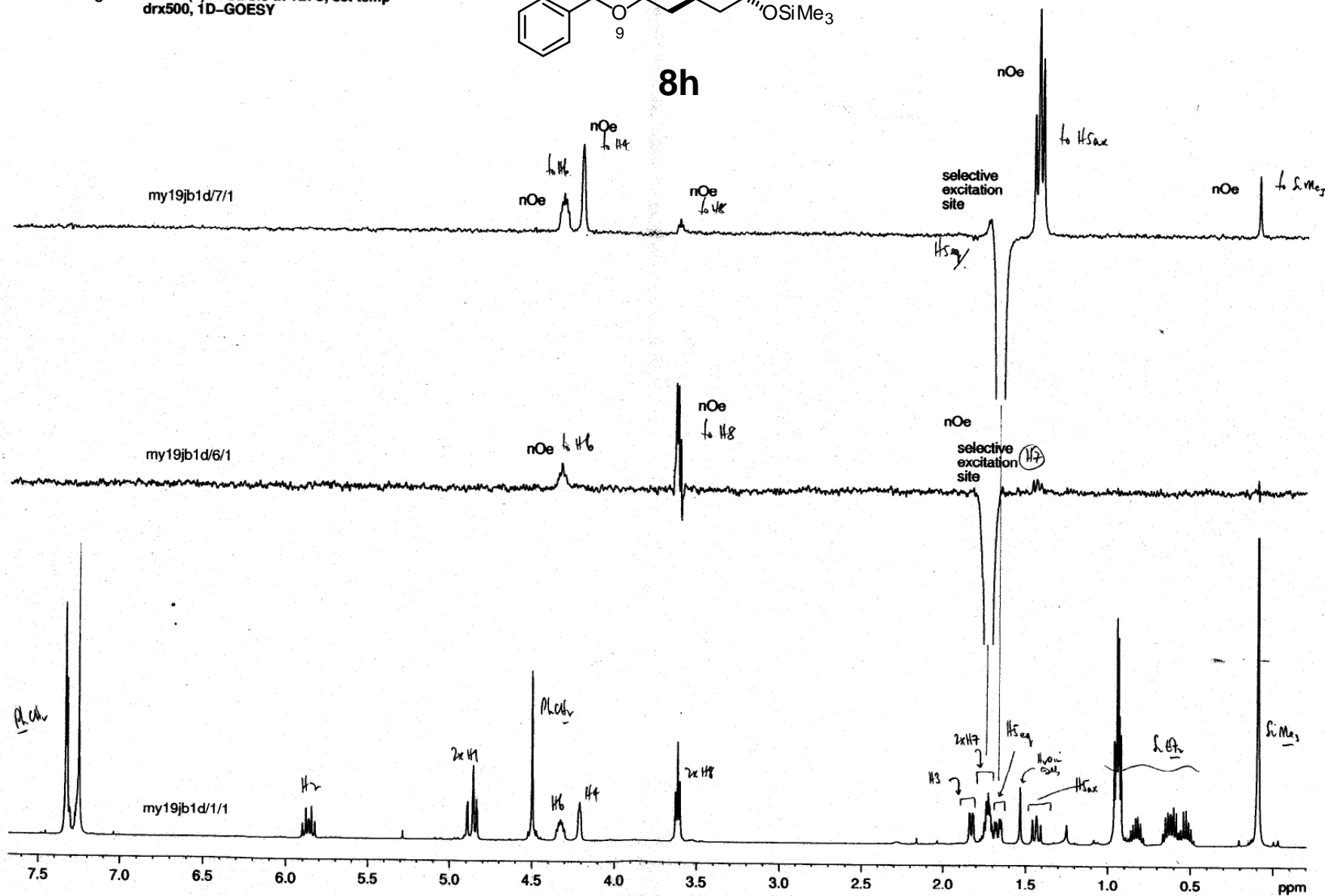


(3R*, 4R*, 6R*) oxasilinane 8h

Julien Beignet JB-7-11(6) in CDCl₃ at +27C, set temp
drx500, 1D-GOESY

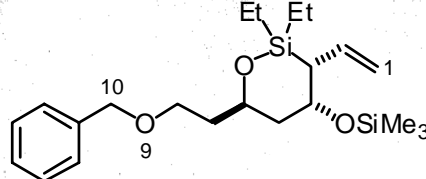


8h

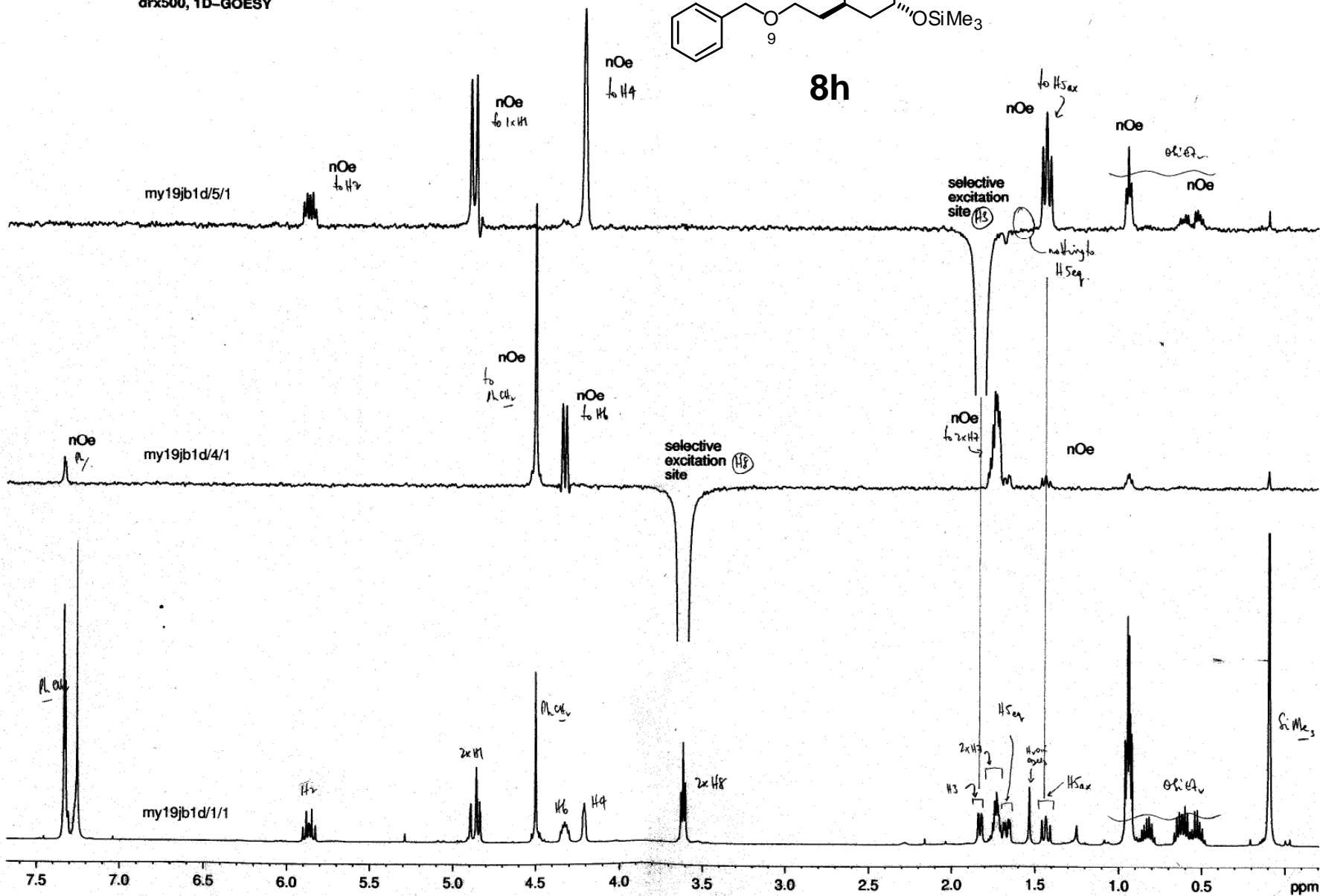


(3R*, 4R*, 6R*) oxasilinane 8h

Julien Beignet JB-7-11(6) in CDCl₃ at +27C, set temp
drx500, 1D-GOESY

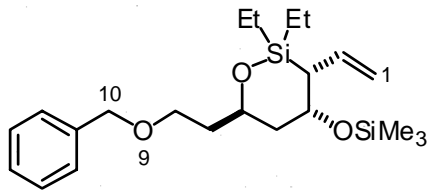


8h



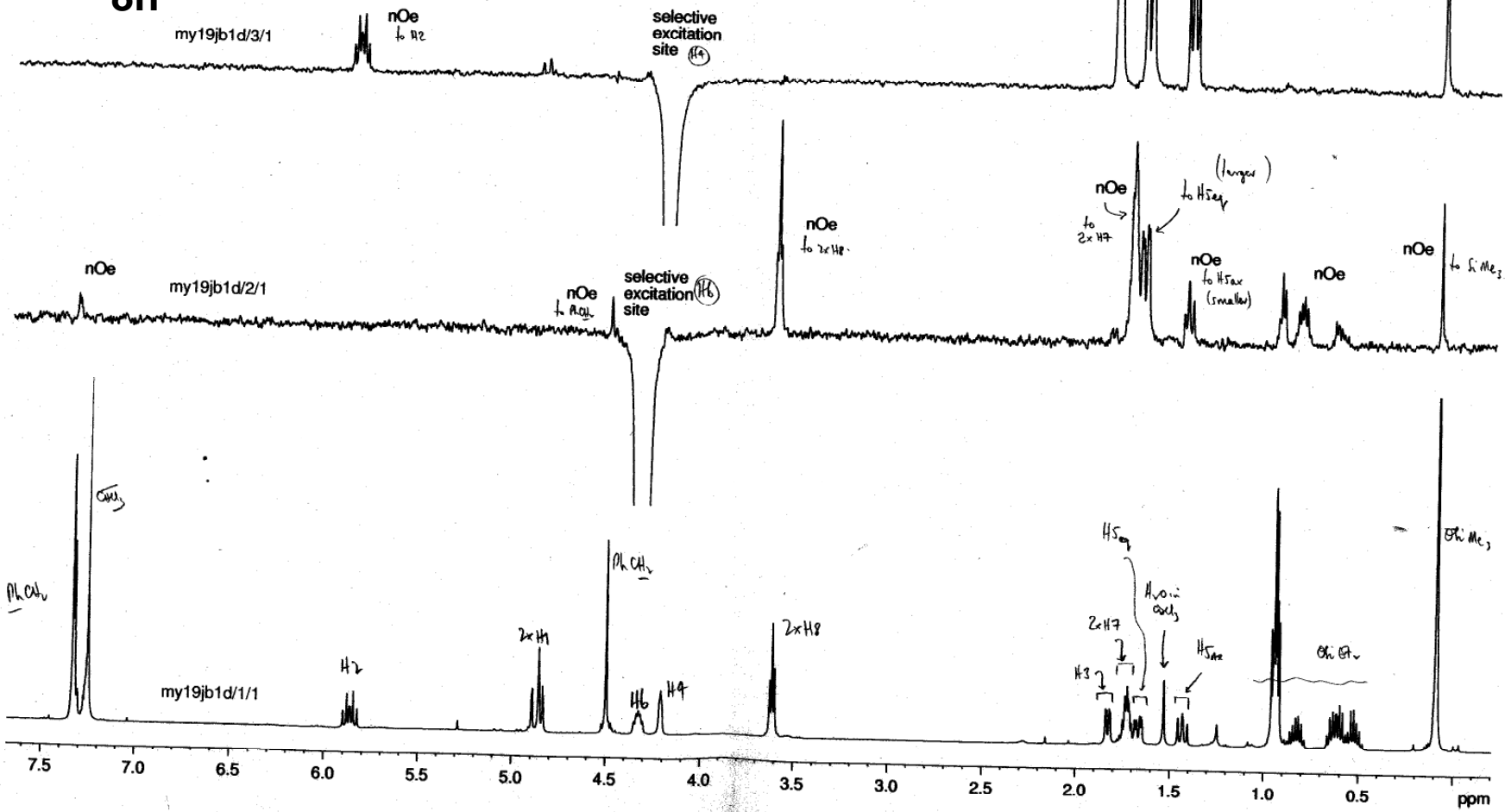
(3R*, 4R*, 6R*) oxasilinane 8h

Julien Beignet JB-7-11(6) in CDCl₃ at +27°C, set temp
drx500, 1D-GOESY

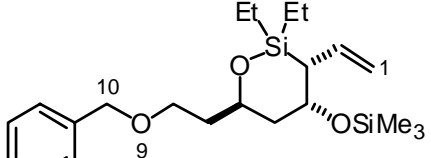


8h

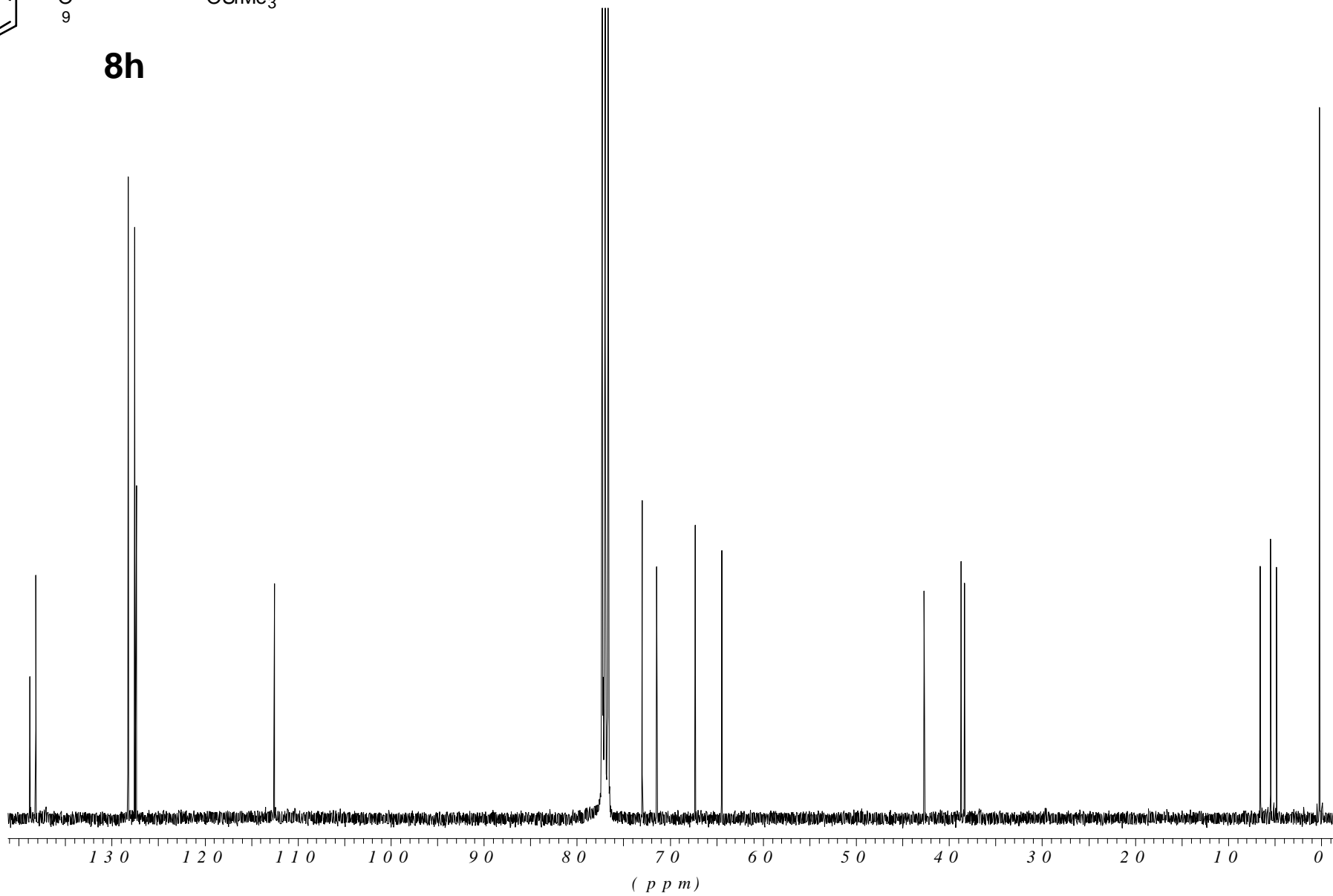
See 5/1 inside: Nothing
H3 gives good NOE to H5ax only
(nothing to H5eq)



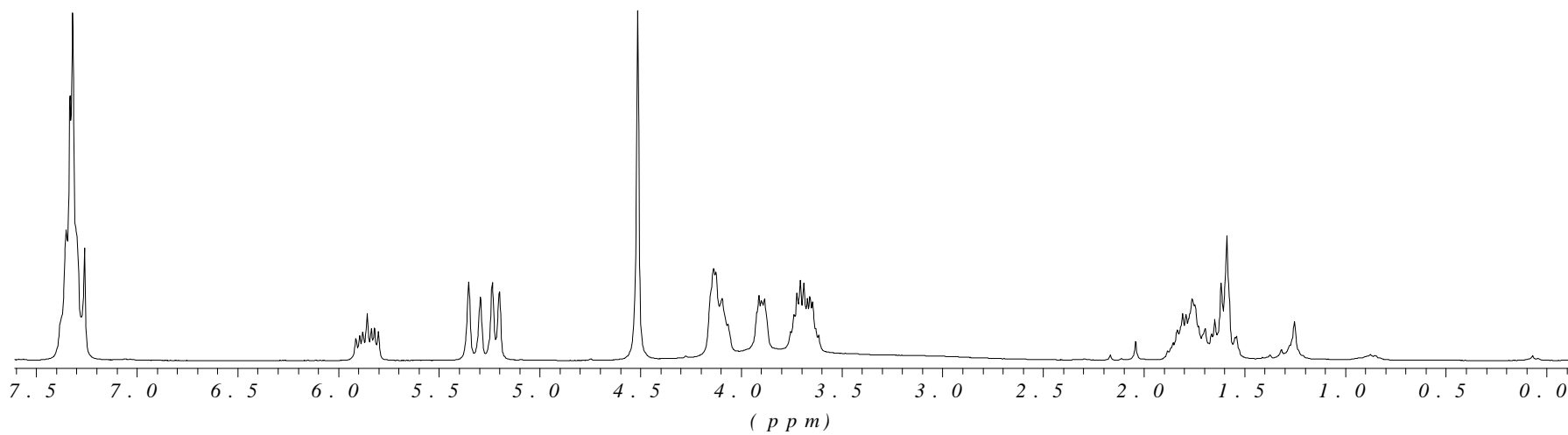
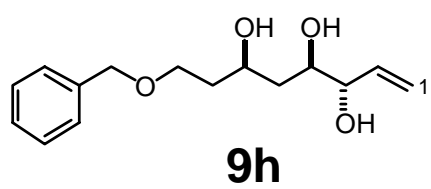
(3R*, 4R*, 6R*) oxasilinane 8h



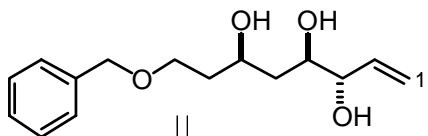
8h



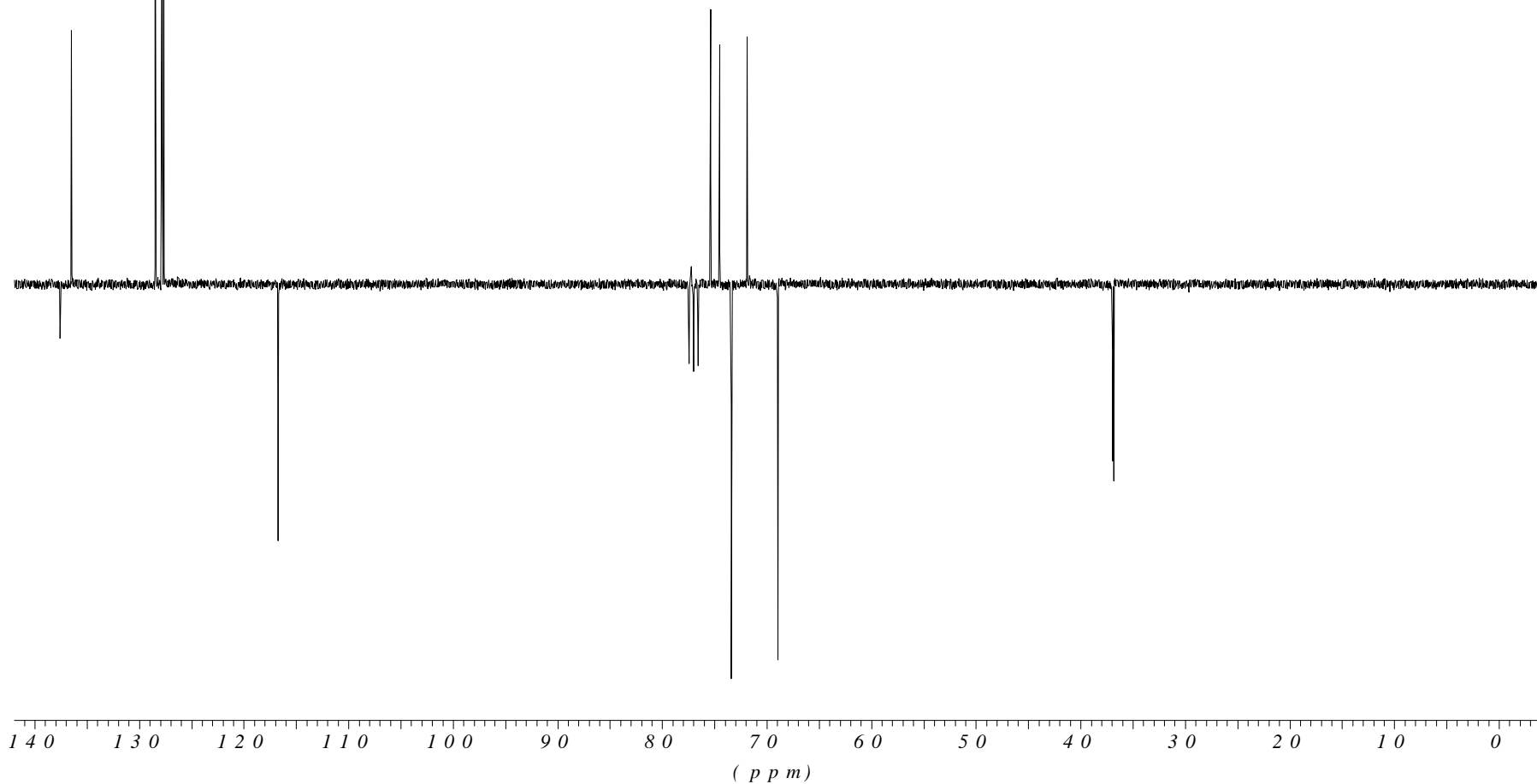
(3*R, 4*R**, 6*R**) oxasilinane 8h**



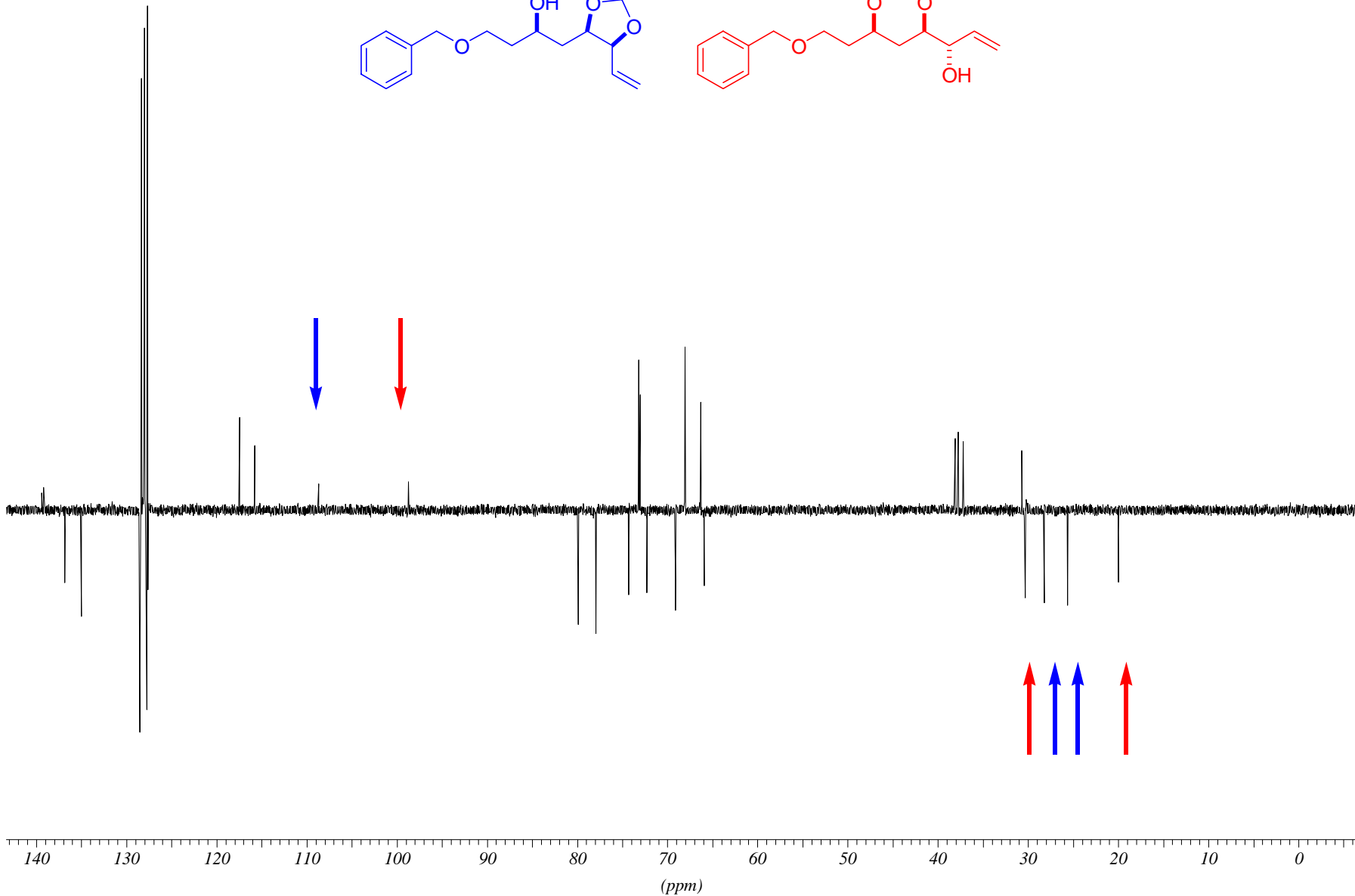
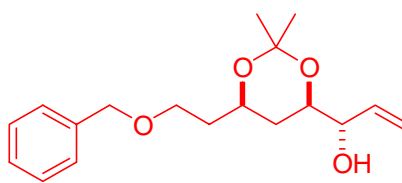
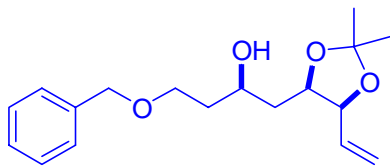
(3S*, 4R*, 6R*) 8-Benzyloxy-oct-1-ene-3,4,6-triol 9h



9h



(3*S, 4*R**, 6*R**) 8-Benzyloxy-oct-1-ene-3,4,6-triol 9h**



Acetone products from Triol 9h