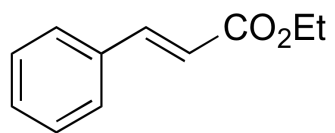


List of Spectra

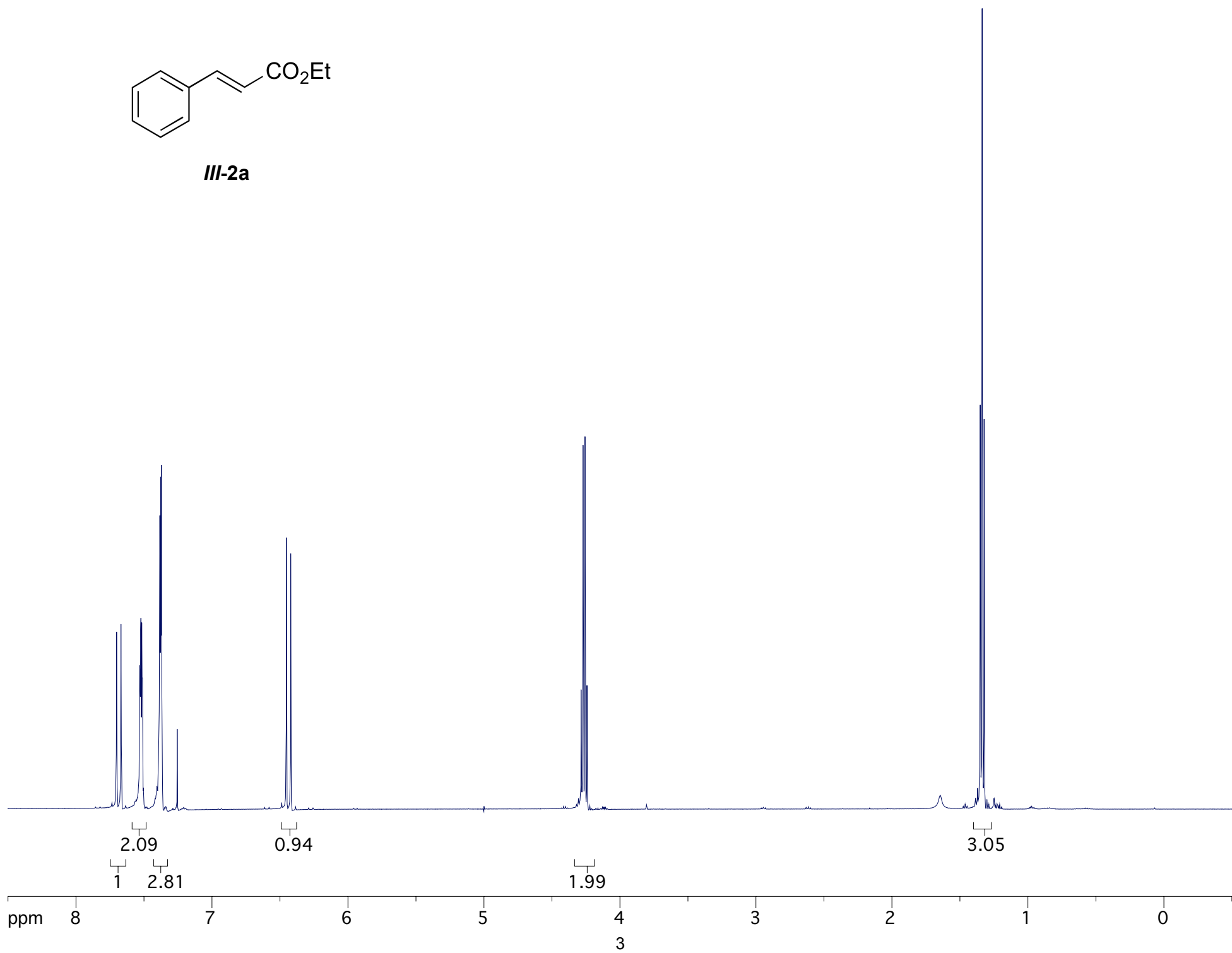
¹H and ¹³C spectra of

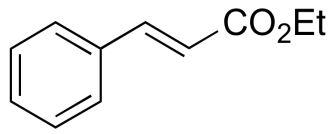
Ethyl cinnamate (III-2a)	3
Ethyl (<i>E</i>)-3-(<i>p</i> -tolyl)acrylate (III-2b).....	5
Methyl (<i>E</i>)-3-(4-methoxyphenyl)acrylate (III-2c)	7
Methyl (<i>E</i>)-3-(4-fluorophenyl)acrylate (III-2d).....	9
Methyl (<i>E</i>)-3-(4-chlorophenyl)acrylate (III-2e)	11
Ethyl (<i>E</i>)-3-(4-bromophenyl)acrylate (III-2af)	13
Methyl (<i>E</i>)-3-[4-(trifluoromethyl)phenyl]acrylate (III-2g)	15
Ethyl (<i>E</i>)-3-[4-(4,4,5,5-tetramethyl-1,3-dioxaborolan-2-yl)phenyl]acrylate (III-2h)	17
Ethyl (<i>E</i>)-3-(<i>m</i> -tolyl)acrylate (III-2i).....	19
Methyl (<i>E</i>)-3-[3-(dimethylamino)phenyl]acrylate (III-2j).....	21
Ethyl (<i>E</i>)-3-[3-(4,4,5,5-tetramethyl-1,3-dioxaborolan-2-yl)phenyl]acrylate (III-2k)	23
Ethyl (<i>E</i>)-3-(<i>o</i> -tolyl)acrylate (III-2l).....	25
Ethyl (<i>E</i>)-3-(furan-2-yl)acrylate (III-2m).....	27
Ethyl (<i>E</i>)-3-(thiophen-2-yl)acrylate (III-2n)	29
Ethyl (<i>E</i>)-3-(pyridin-2-yl)acrylate (III-2o).....	31
Ethyl (<i>E</i>)-3-(1-methyl-1 <i>H</i> -indol-2-yl)acrylate (III-2p).....	33
Ethyl (<i>E</i>)-5-phenylpent-2-enoate (III-2q)	35
Methyl (<i>E</i>)-tridec-2-enoate (III-2r)	37
Ethyl (<i>E</i>)-4-methylpent-2-enoate (III-2s)	41
Ethyl (<i>E</i>)-4,4-dimethylpent-2-enoate (III-2t)	43
Diethyl (<i>2E,6E</i>)-octa-2,6-dienedioate (III-2u)	45
Diethyl (<i>2E,2'E</i>)-3,3'-(phenyl-2,4-diyl)diacrylate (III-2v)	47
Diethyl (<i>2E,2'E</i>)-3,3'-(pyridine-2,6-diyl)diacrylate (III-2w)	49
Isopropyl (<i>E</i>)-4-(3-ethoxy-3-oxoprop-1-en-1-yl)benzoate (III-2x).....	51

Ethyl (2 <i>E</i> ,4 <i>E</i>)-5-phenylpenta-2,4-dienoate (III-2y)	53
Ethyl (2 <i>E</i> ,4 <i>E</i>)-5-(4-methoxyphenyl)penta-2,4-dienoate (III-2z)	55
Ethyl (2 <i>E</i> ,4 <i>E</i>)-5-(4-bromophenyl)penta-2,4-dienoate (III-2aa)	57
(<i>E</i>)-Ethyl 5-phenylpent-2-en-4-ynoate (III-2ab)	59
(<i>E</i>)-Ethyl 6-hydroxyhex-2-enoate (III-2ac).....	61
(<i>E</i>)-Ethyl 7-hydroxytetradec-2-enoate (III-2ad)	63
(<i>E</i>)-Ethyl 8-hydroxyoct-2-enoate (III-2ae).....	65
Ethyl 2-(1,3-dihydroisobenzofuran-1-yl)acetate (III-2af)	67
(2 <i>E</i> ,4 <i>E</i> ,6 <i>E</i>)-Methyl 7-phenylhepta-2,4,6-trienoate (III-5).....	69
Deuterium experiment.....	71

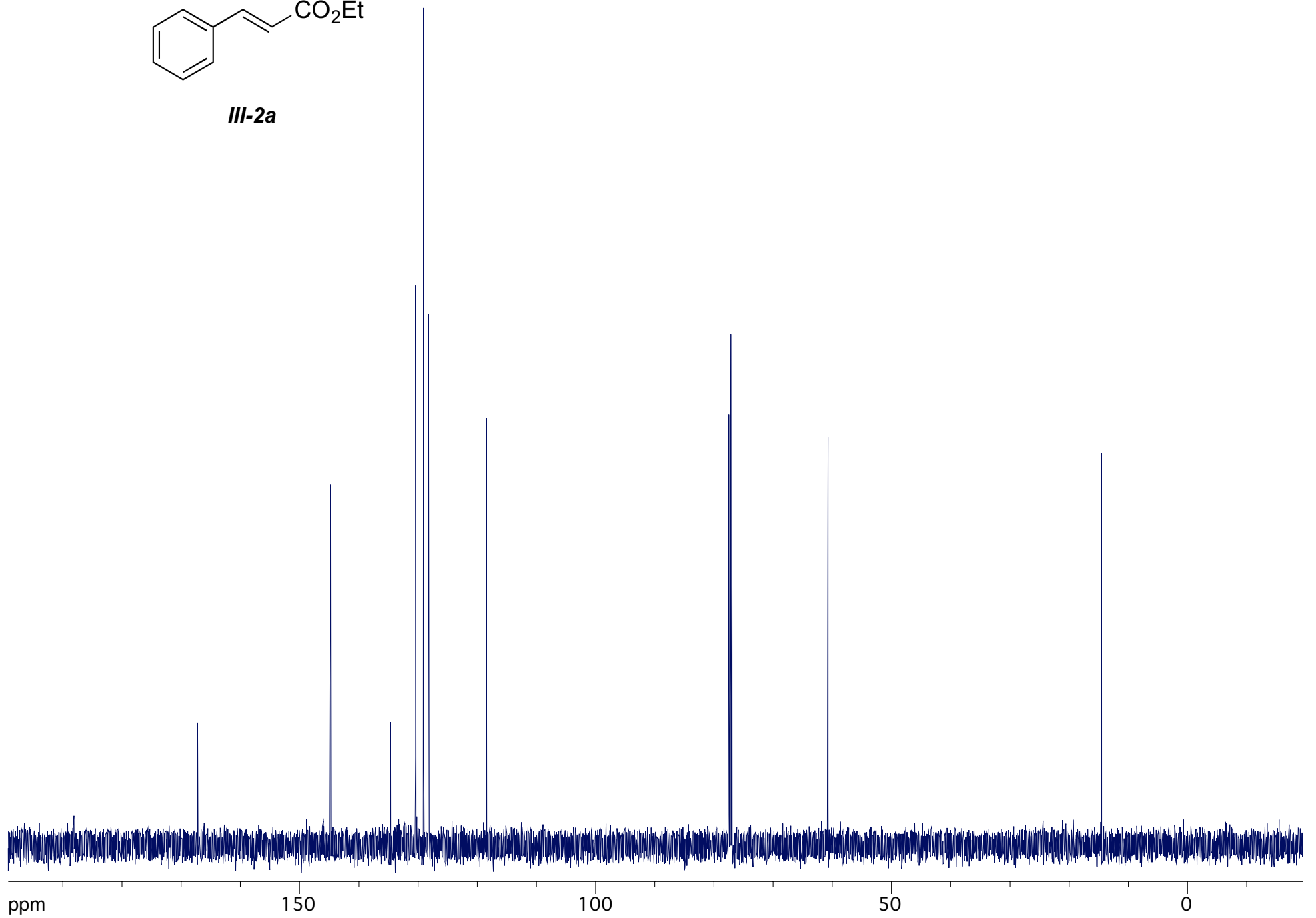


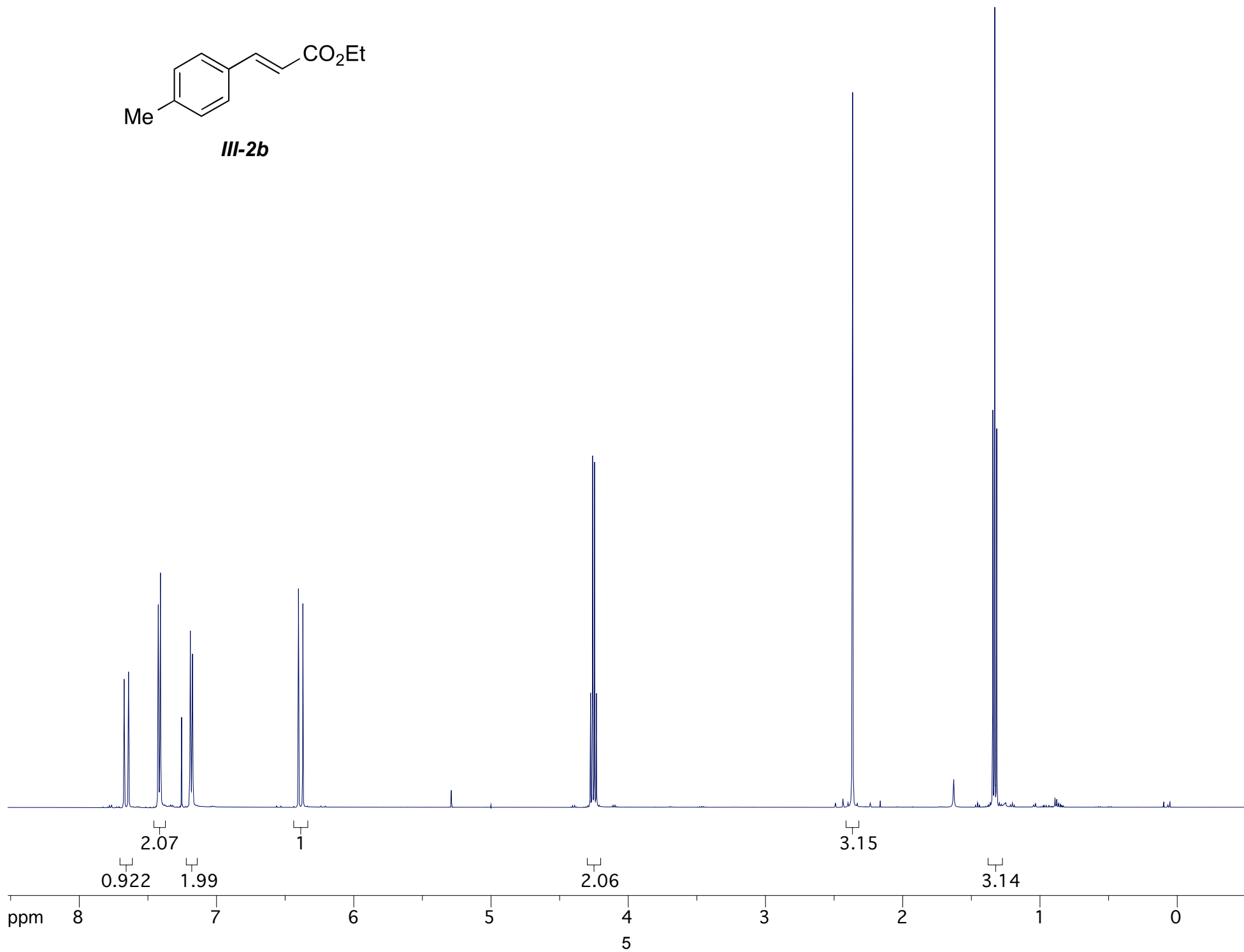
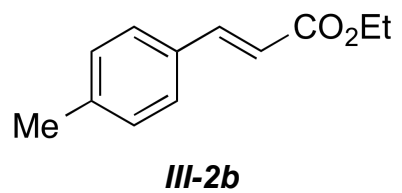
III-2a

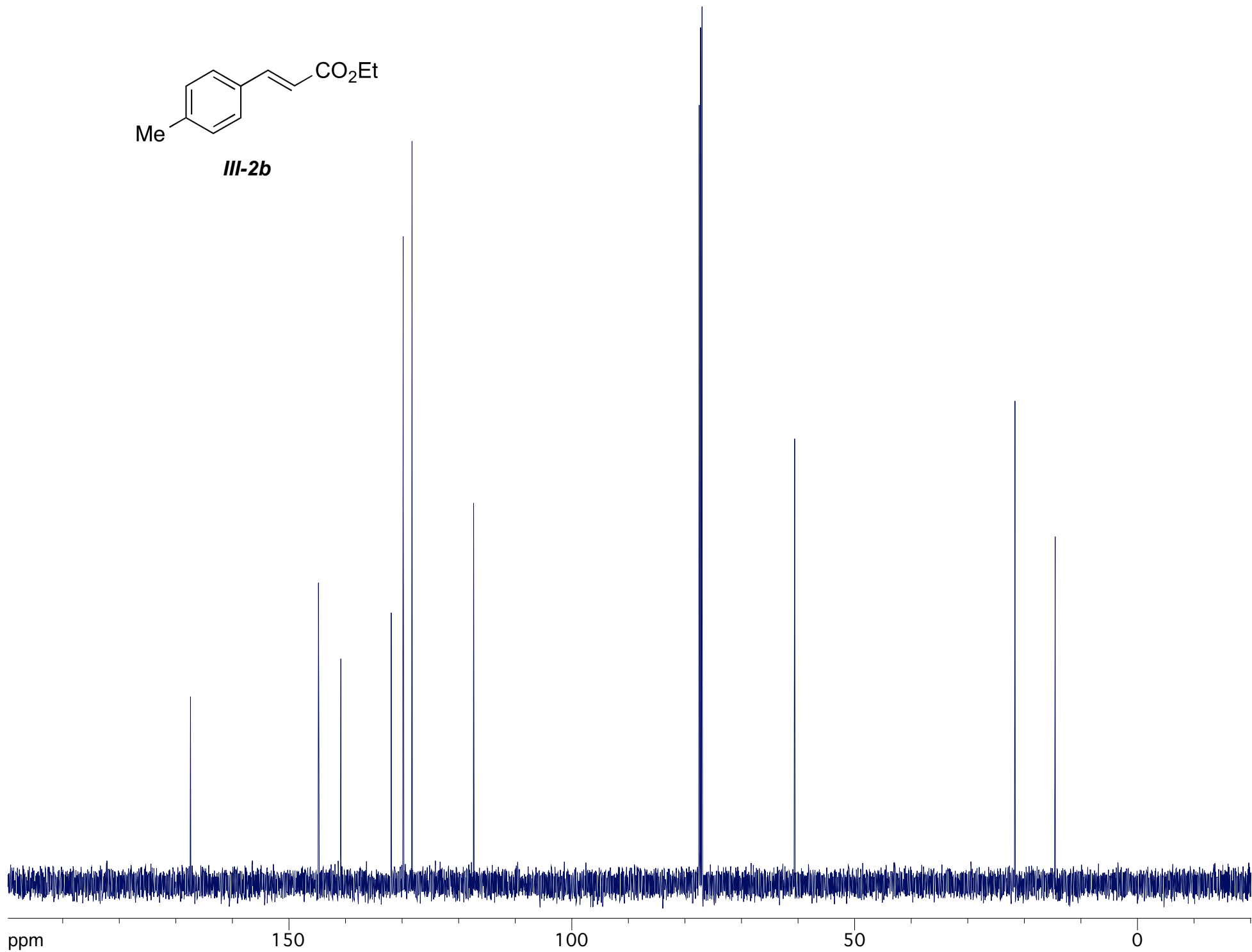
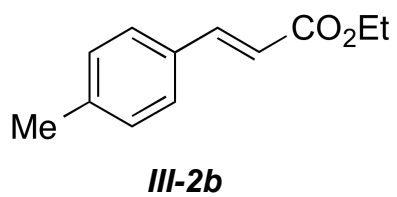


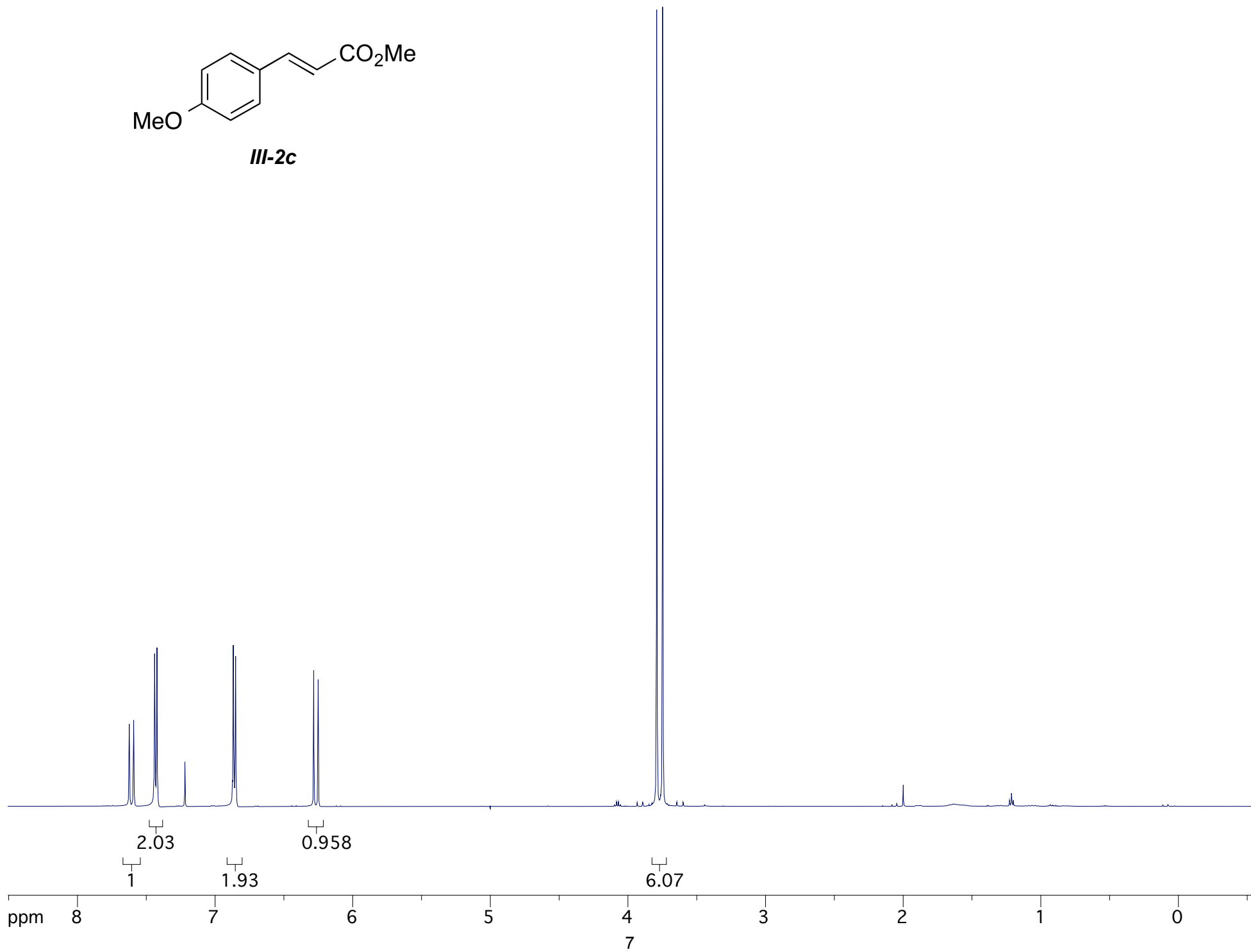
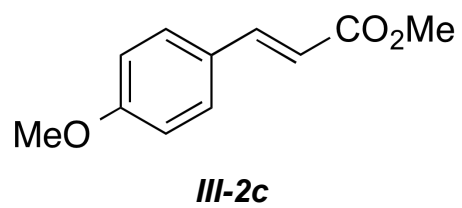


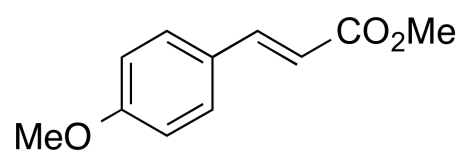
III-2a



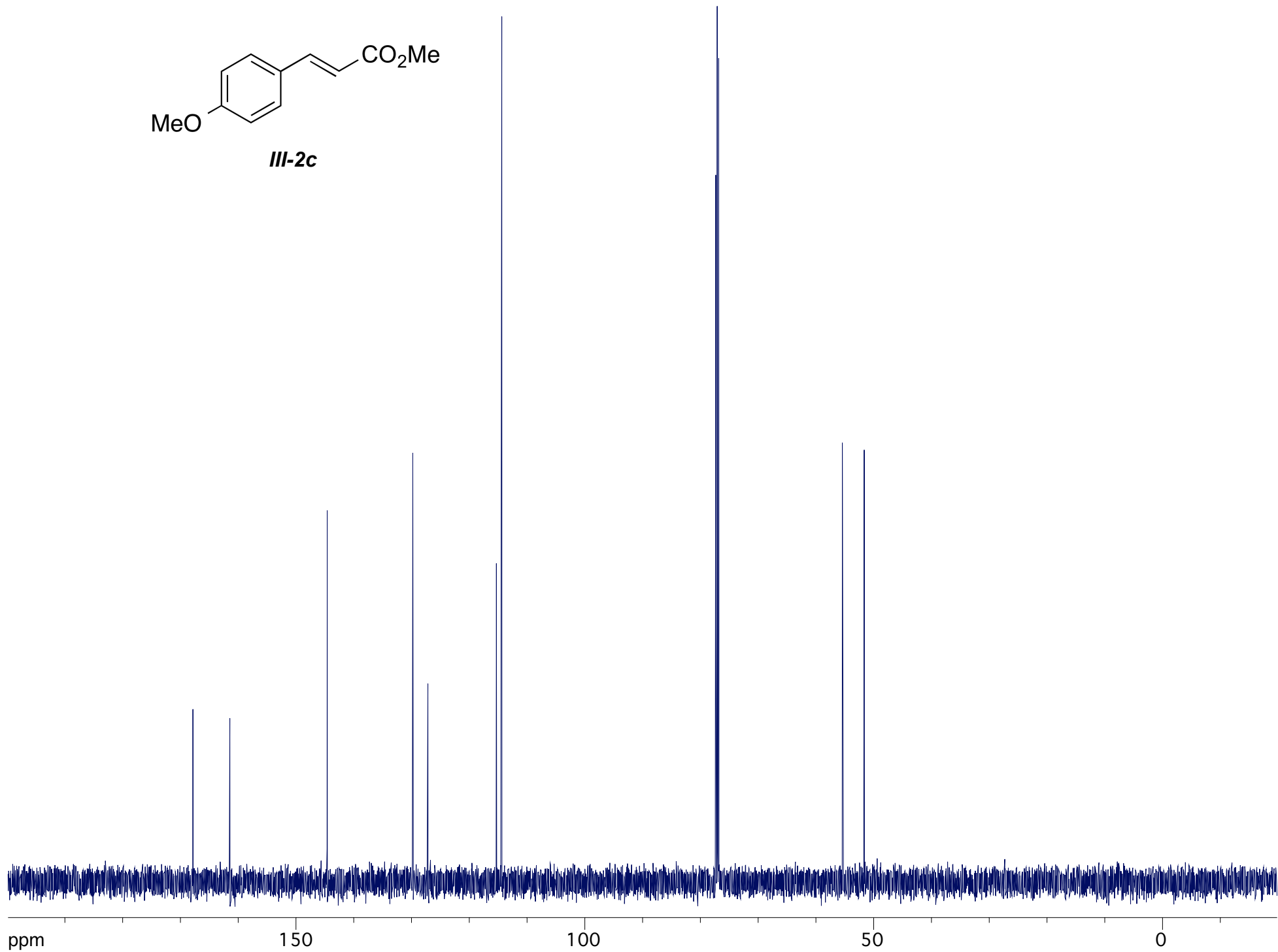


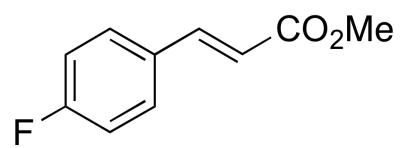




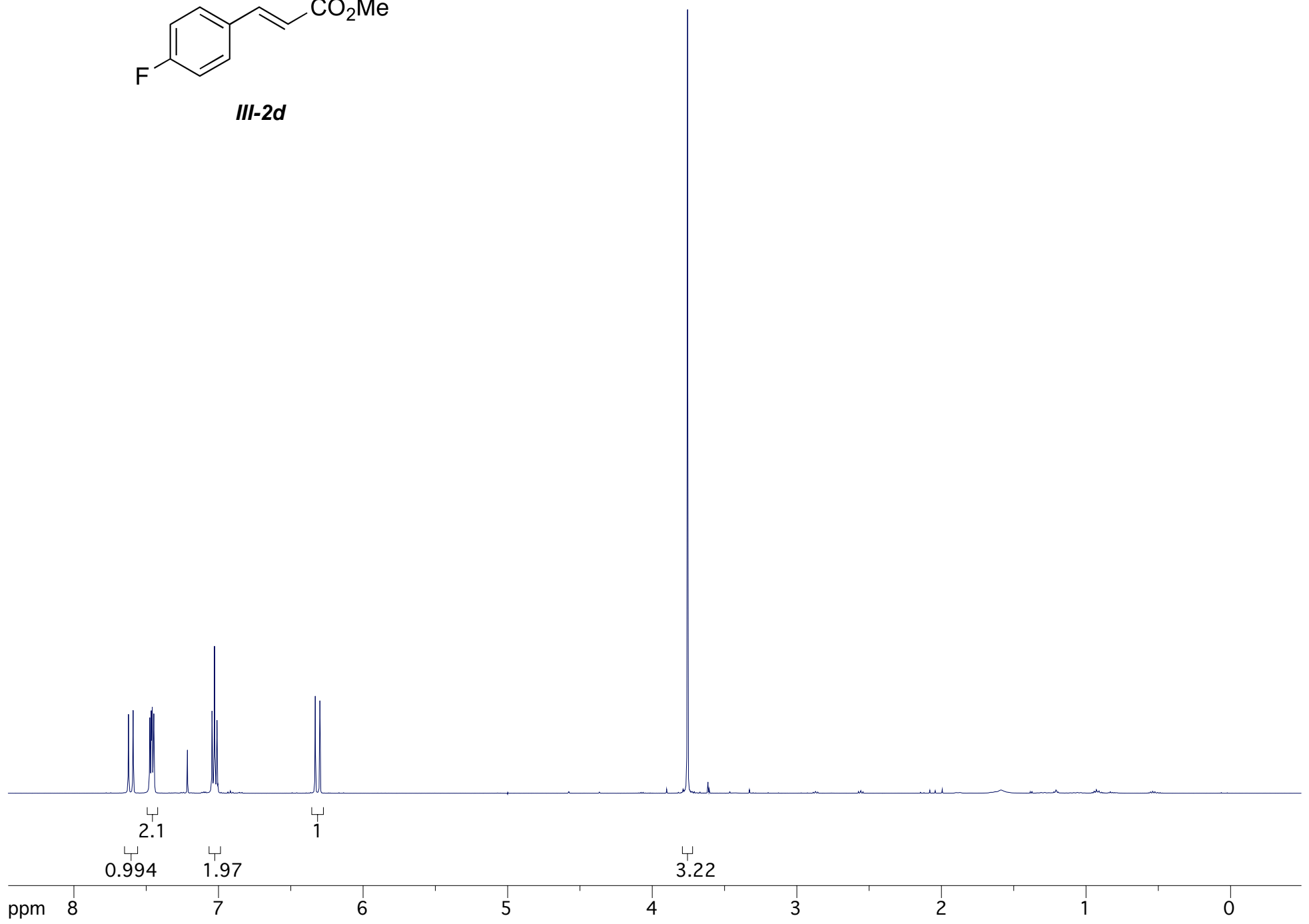


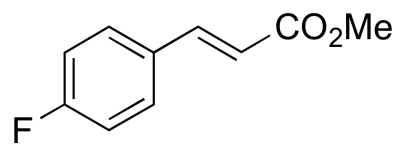
III-2c



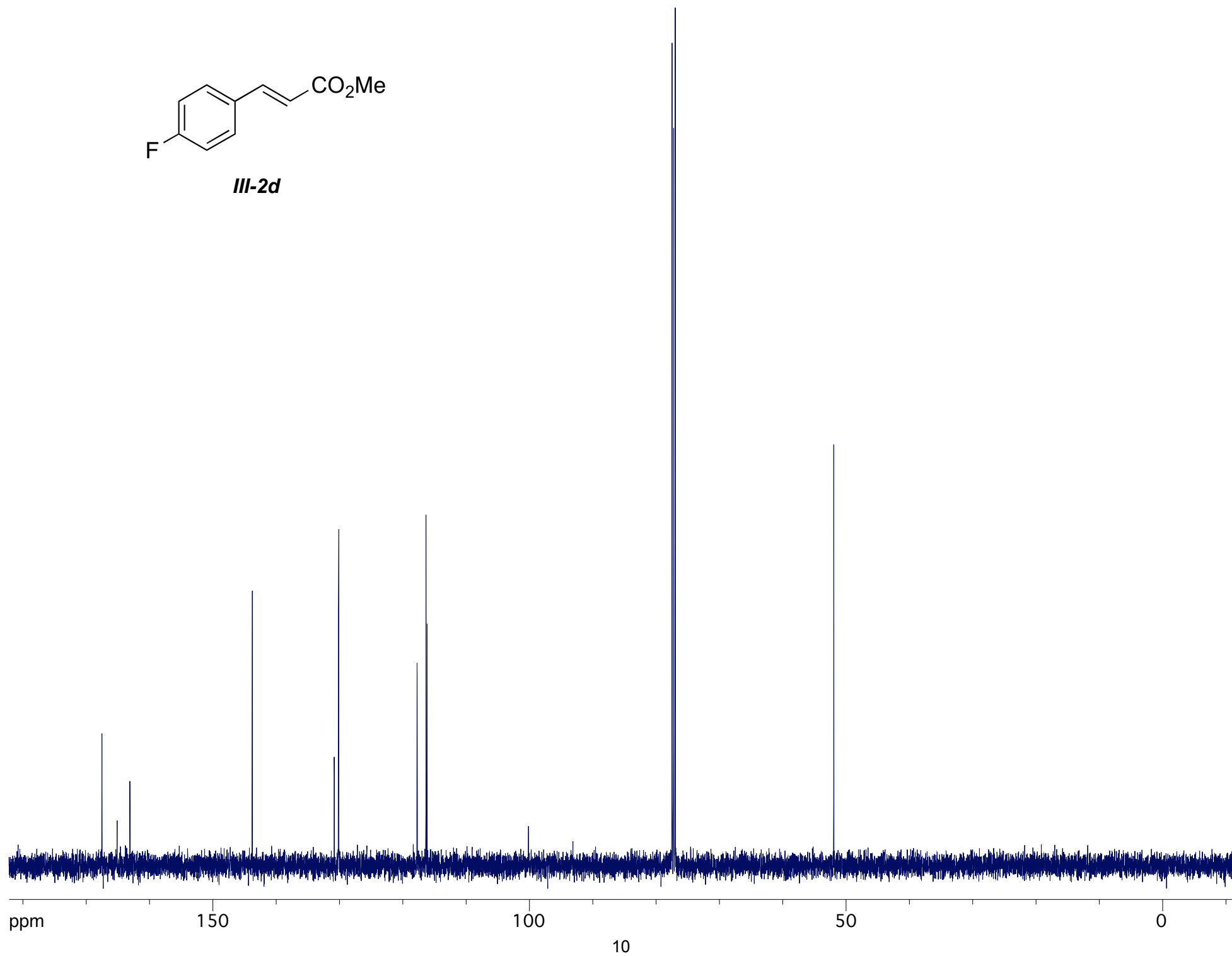


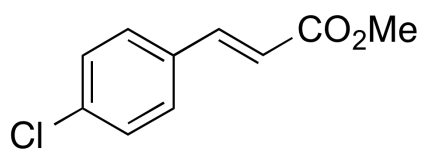
III-2d



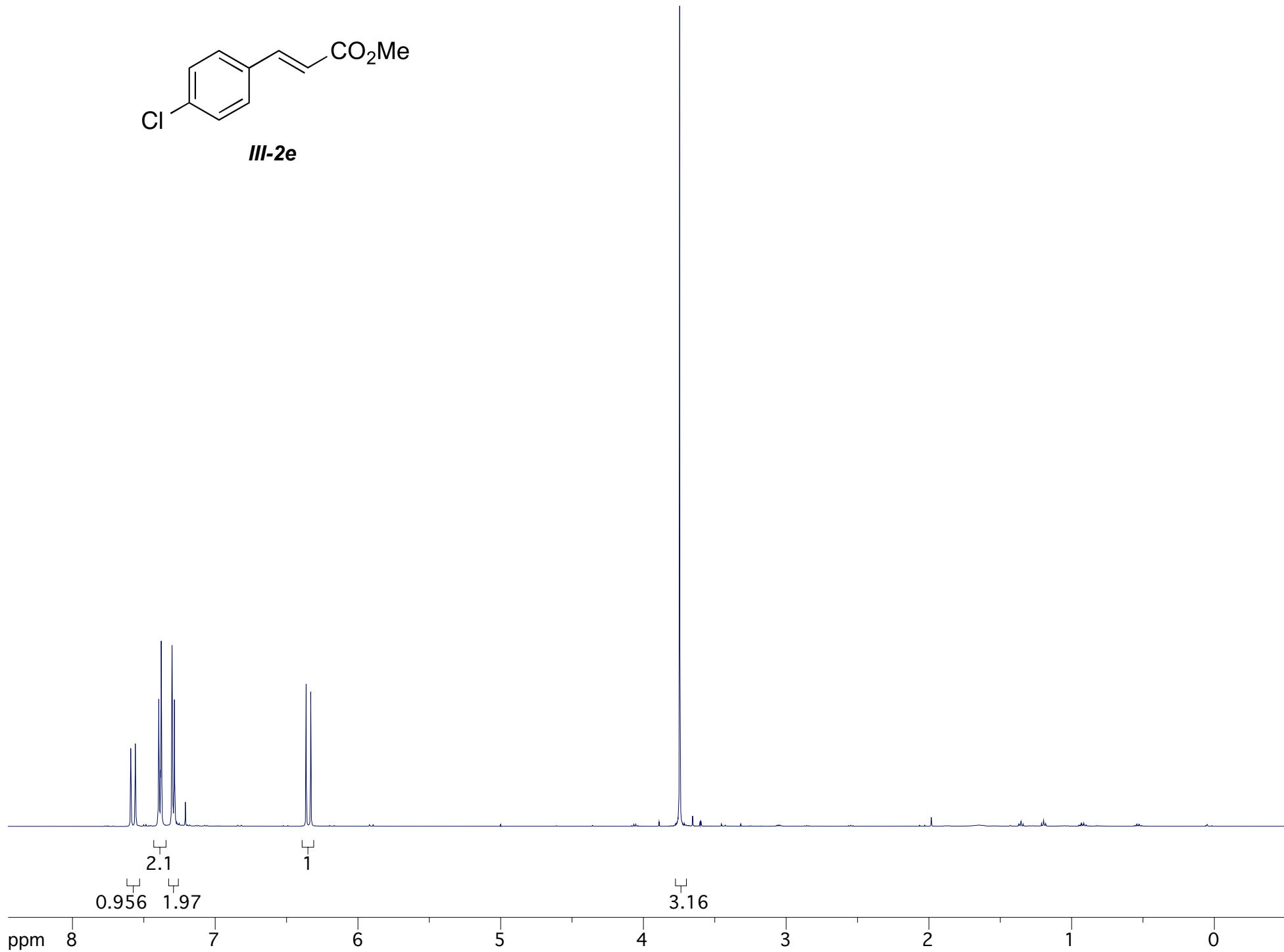


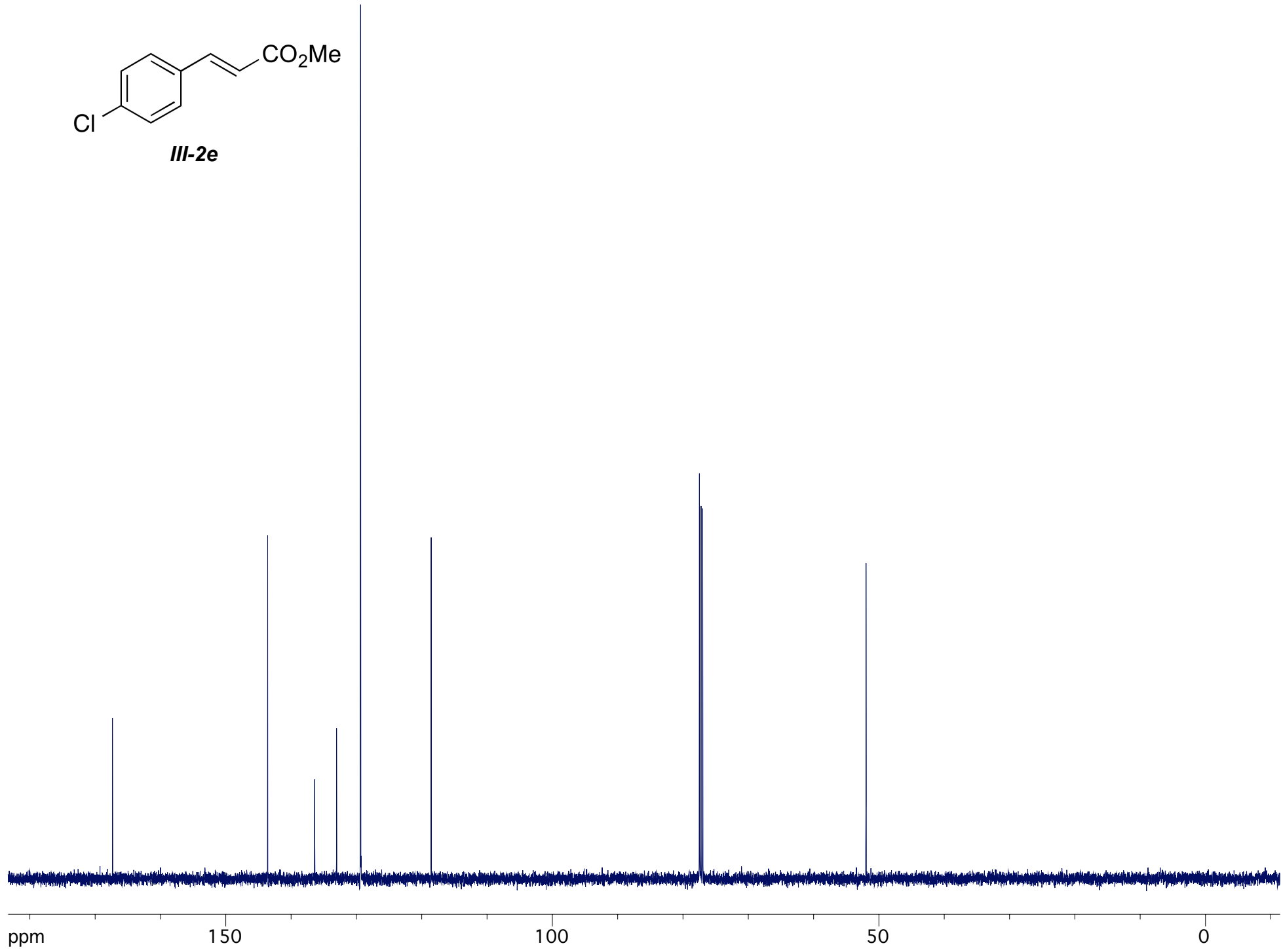
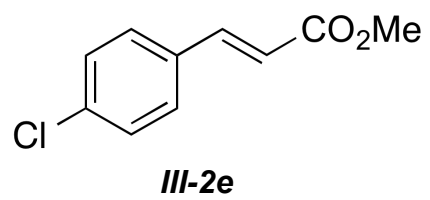
III-2d

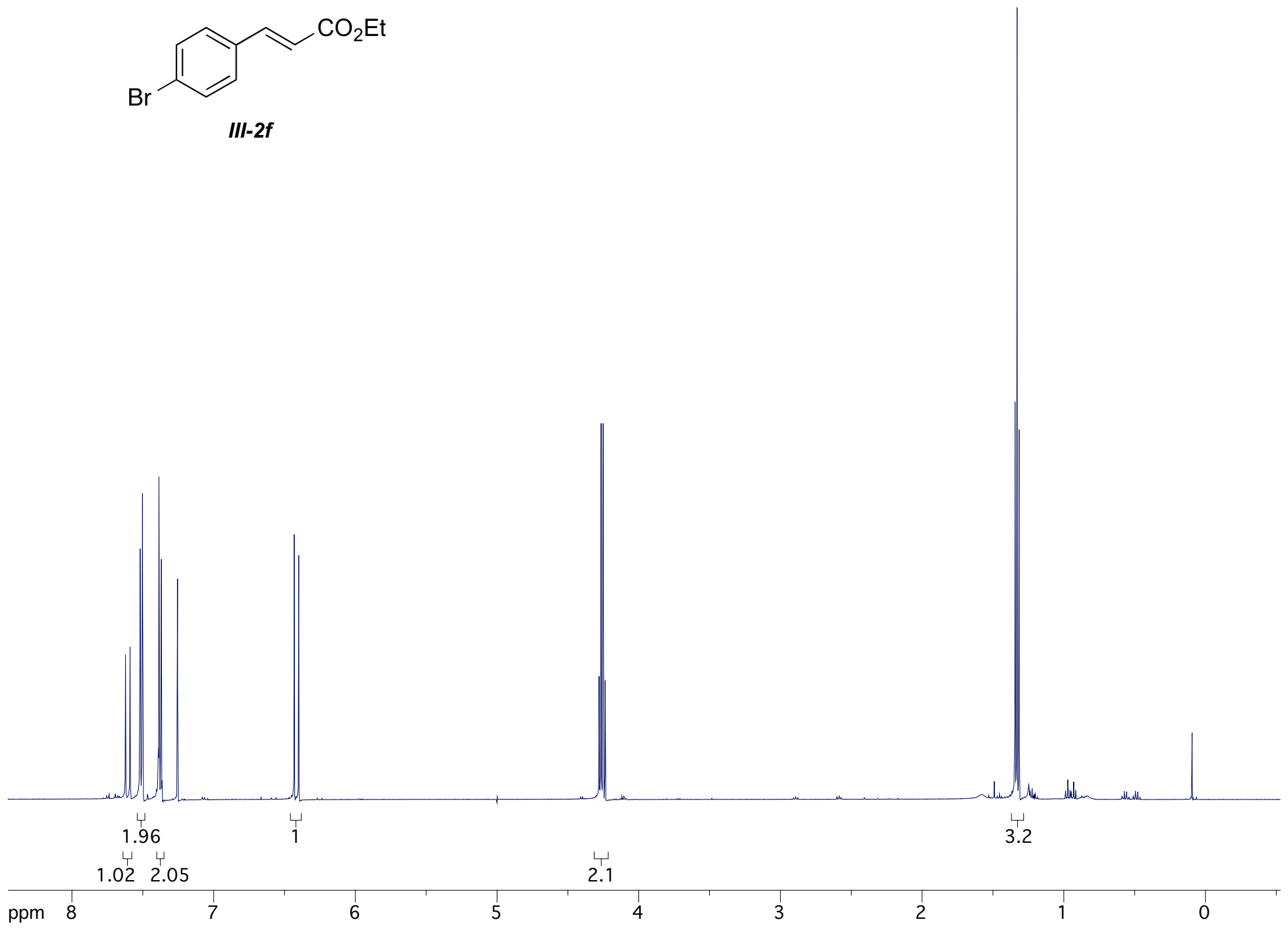
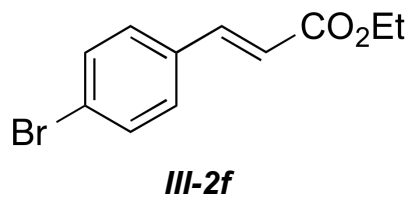


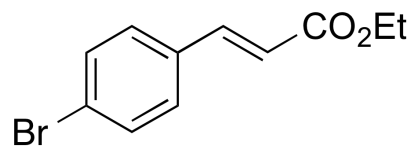


III-2e

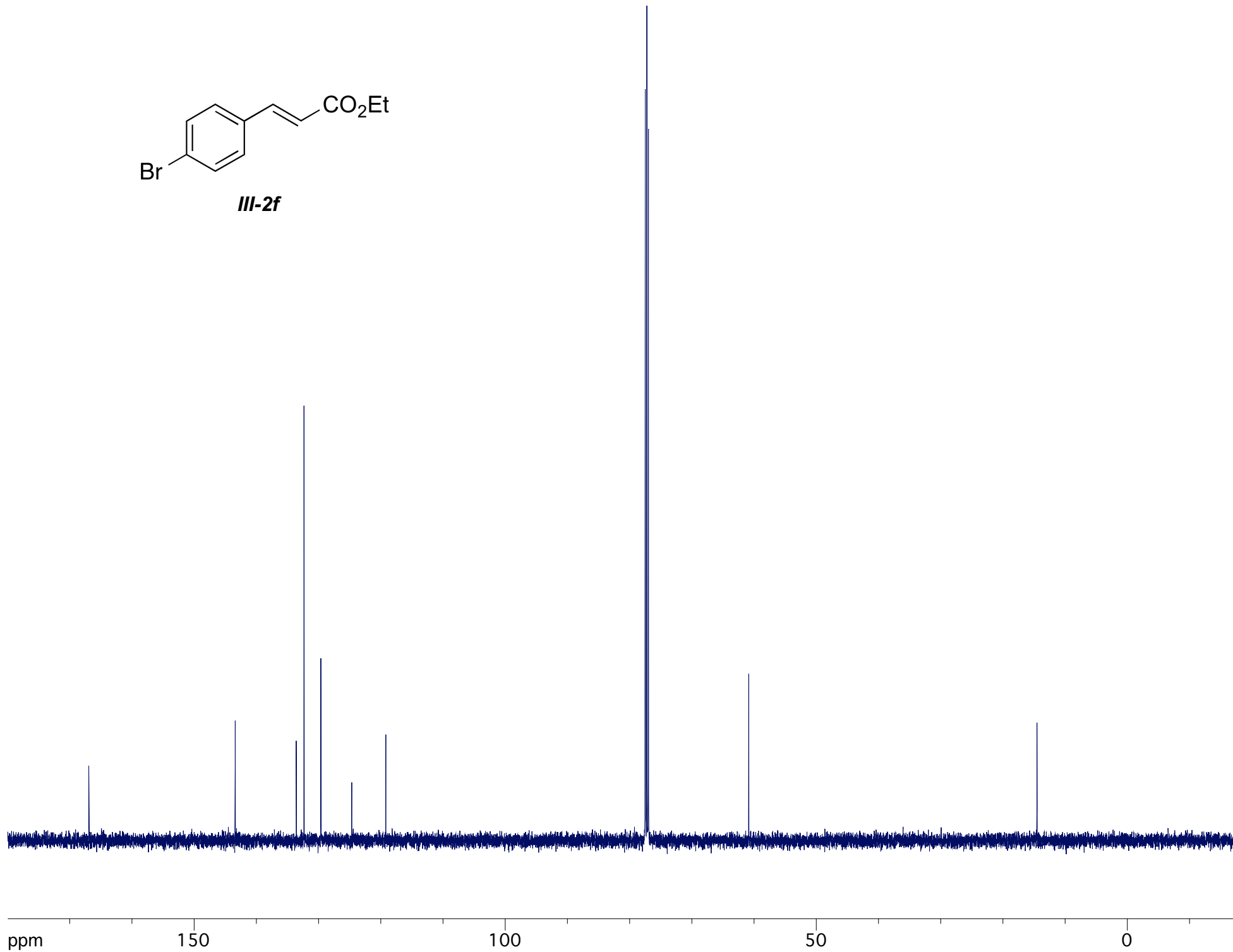


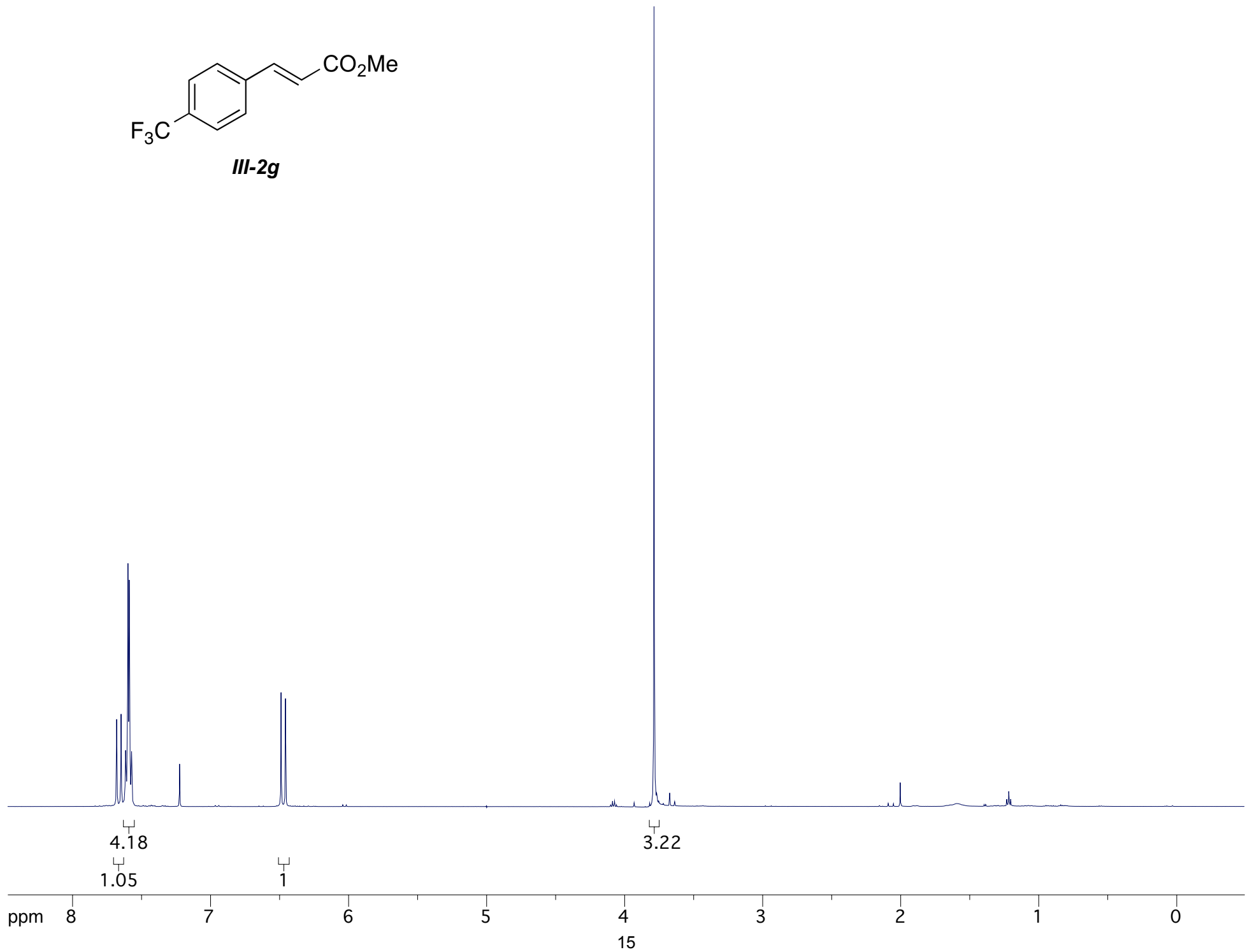
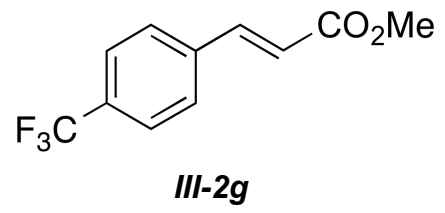


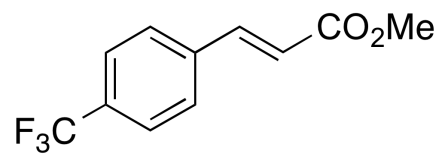




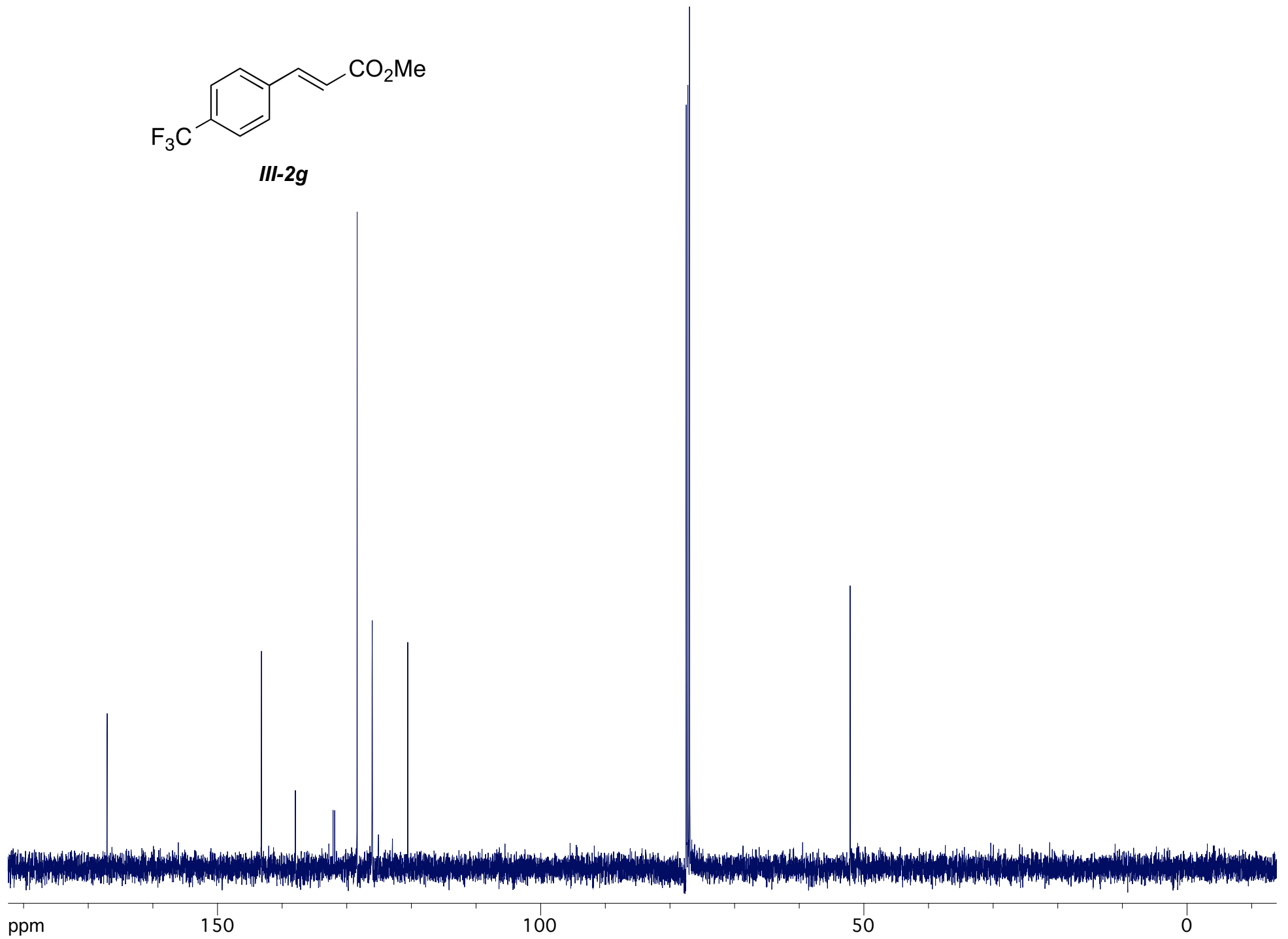
III-2f

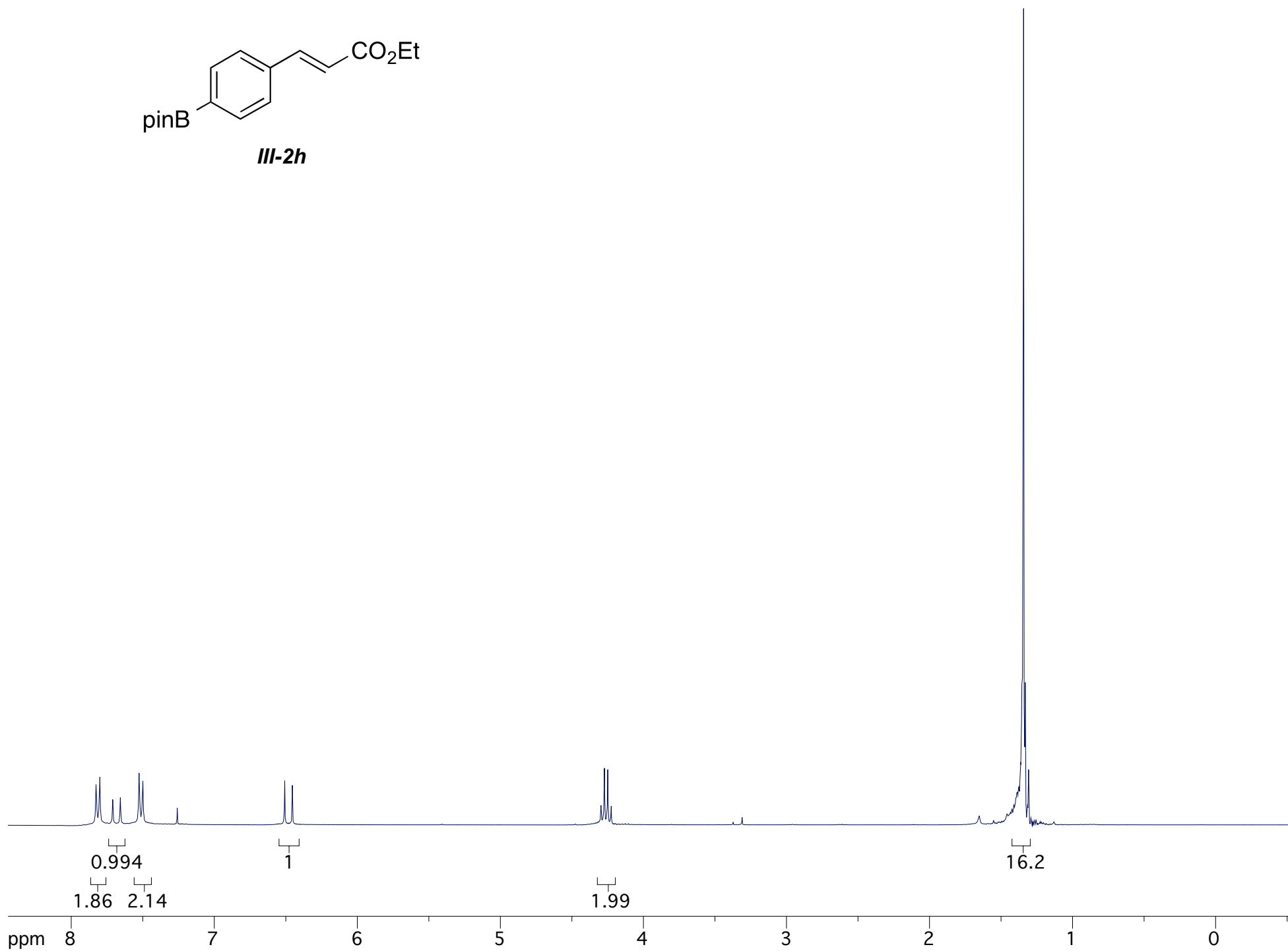
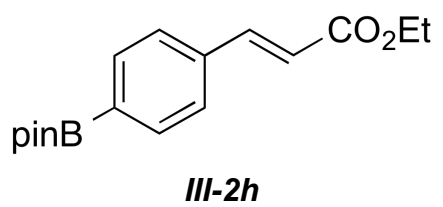


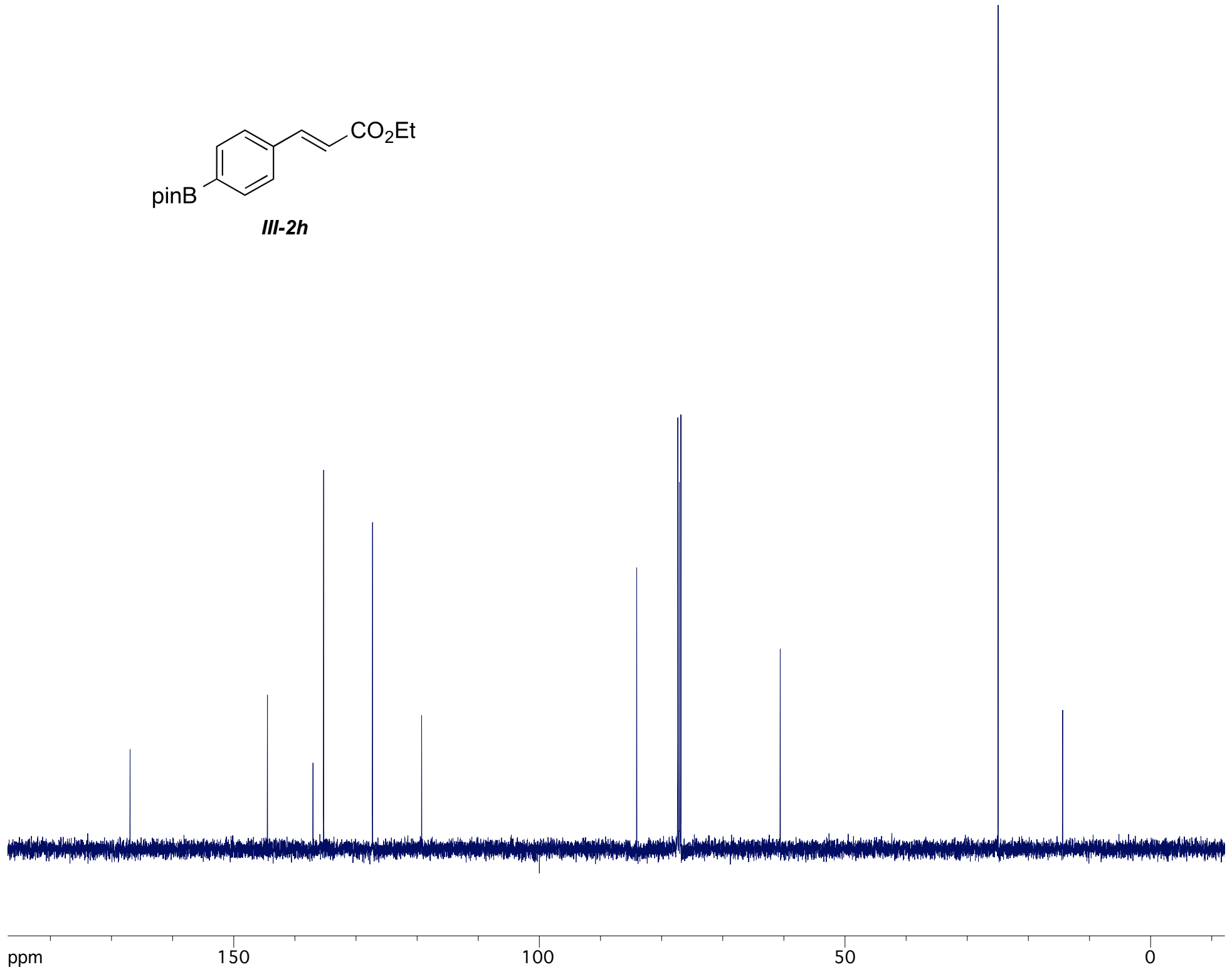
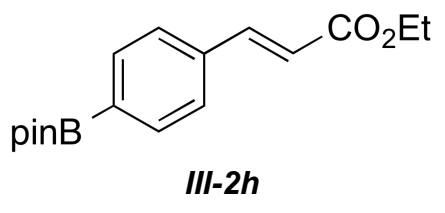


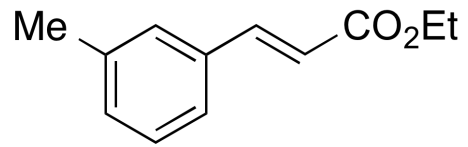


III-2g

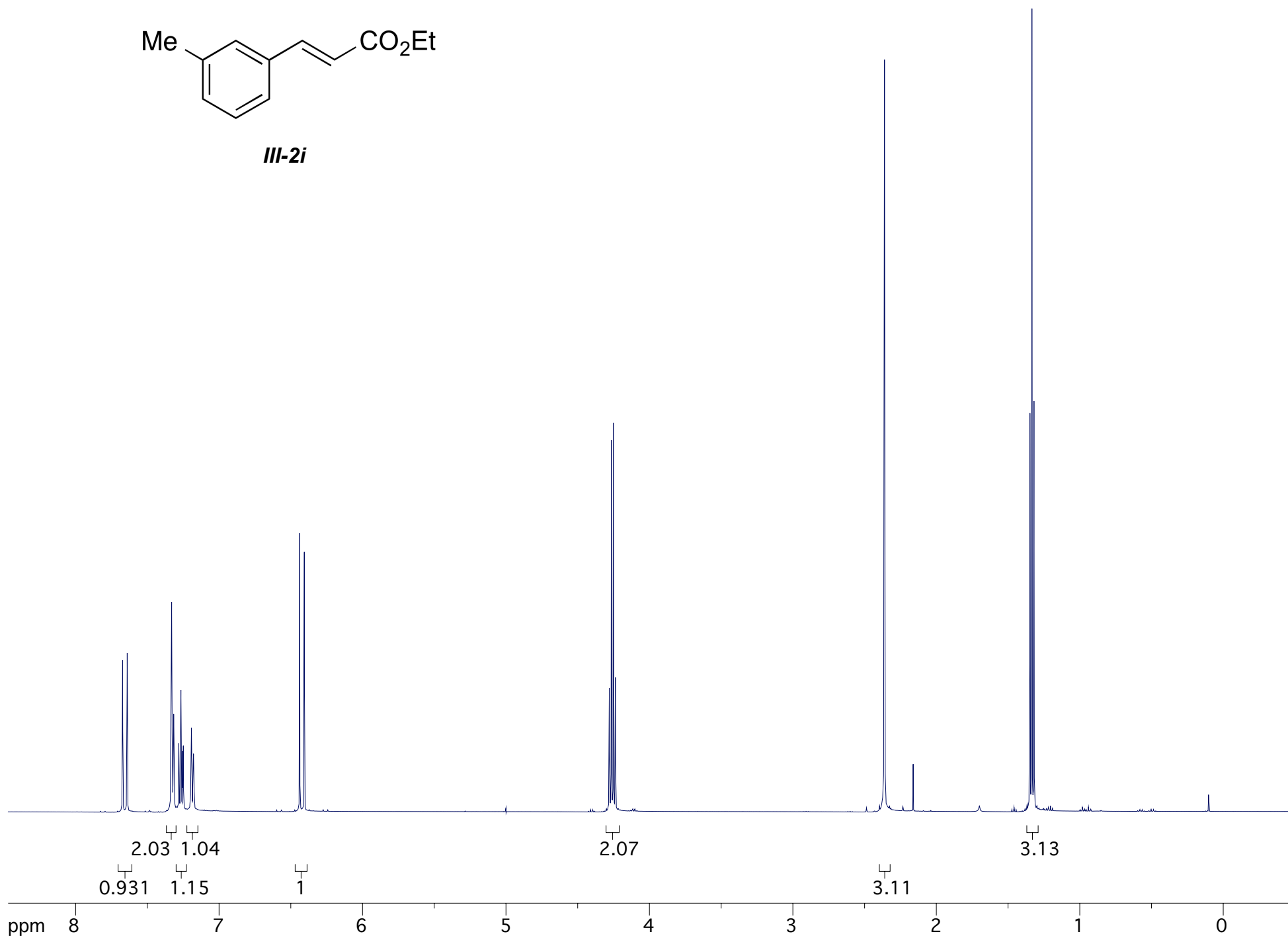


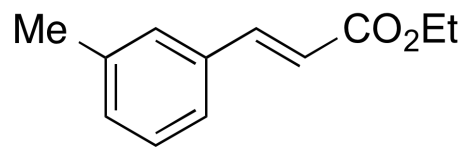




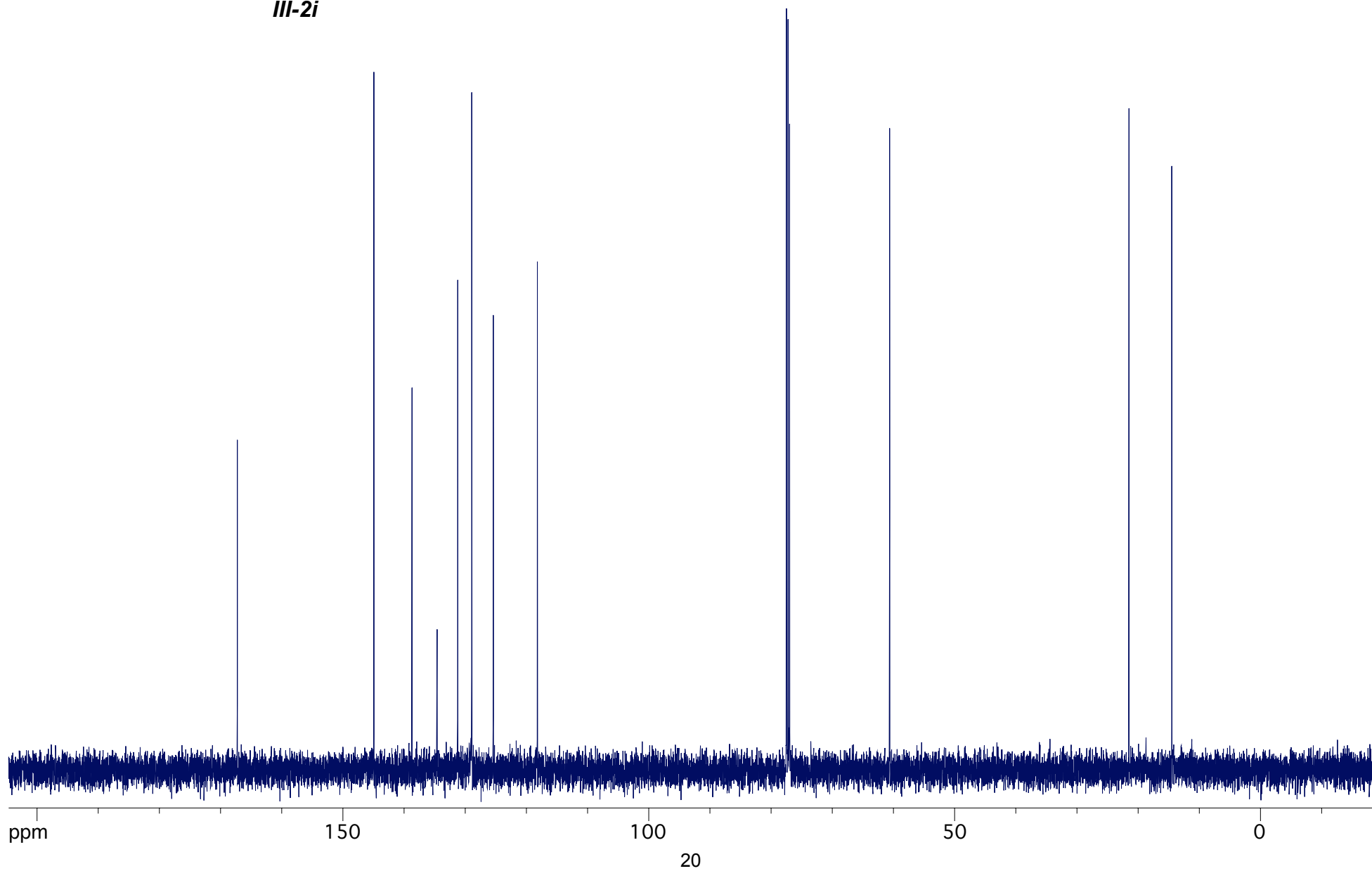


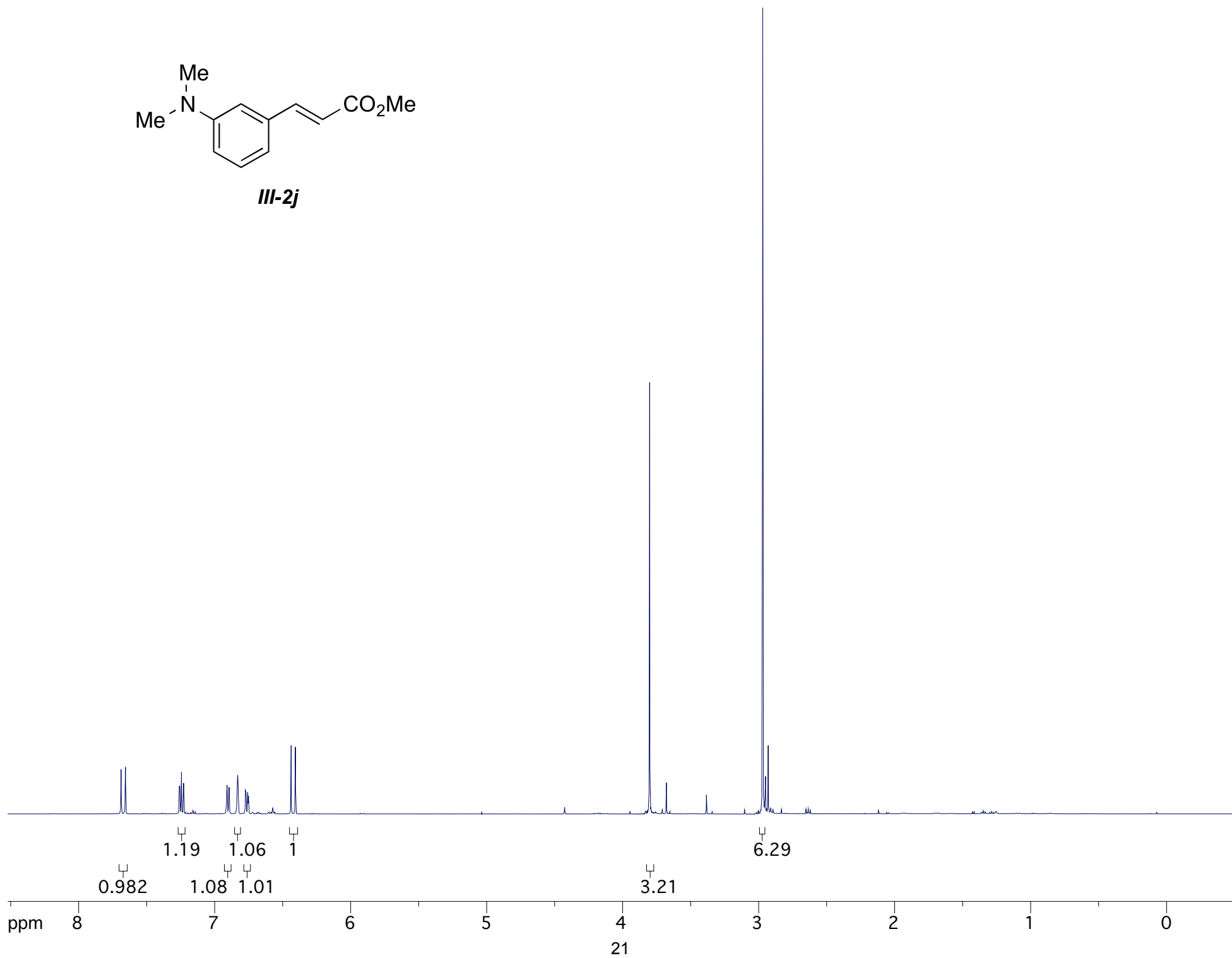
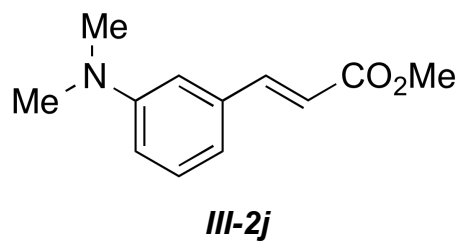
III-2i

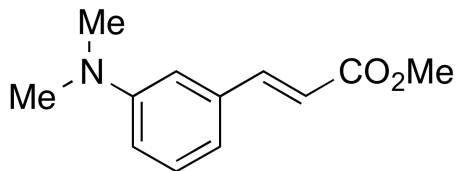




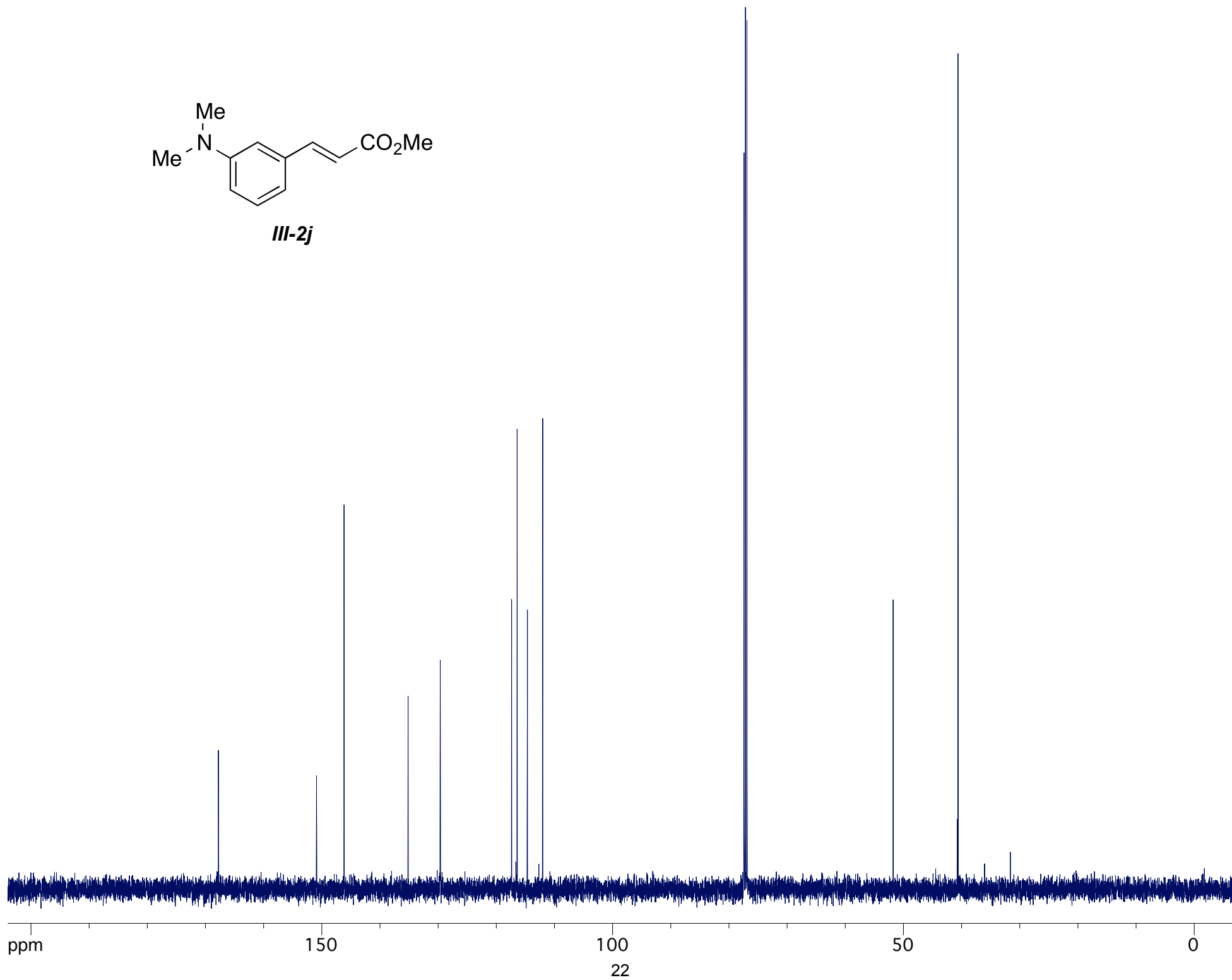
III-2i

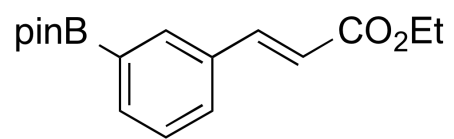




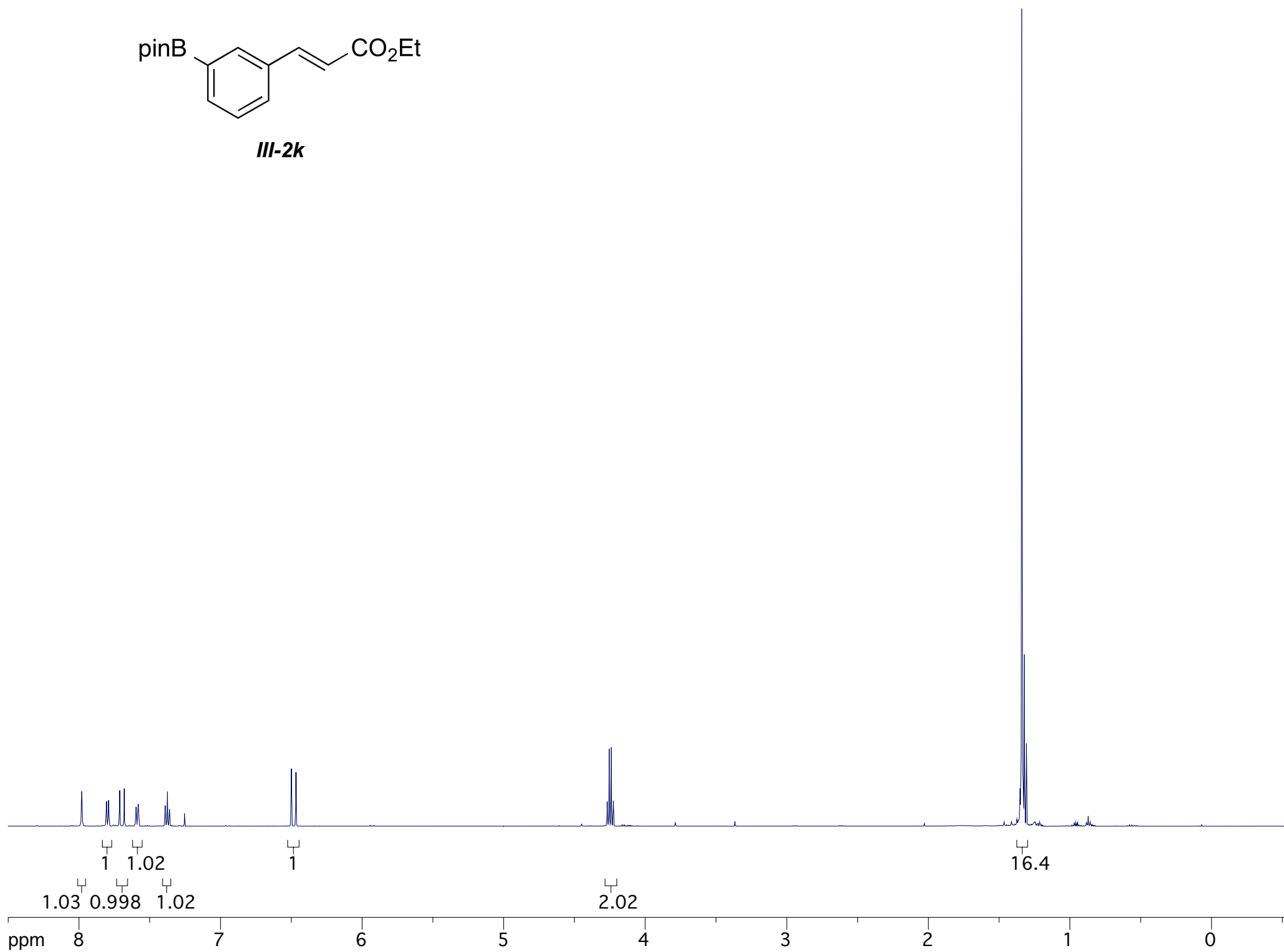


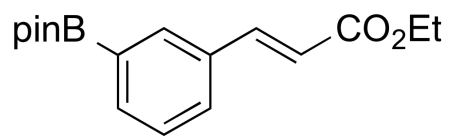
III-2j



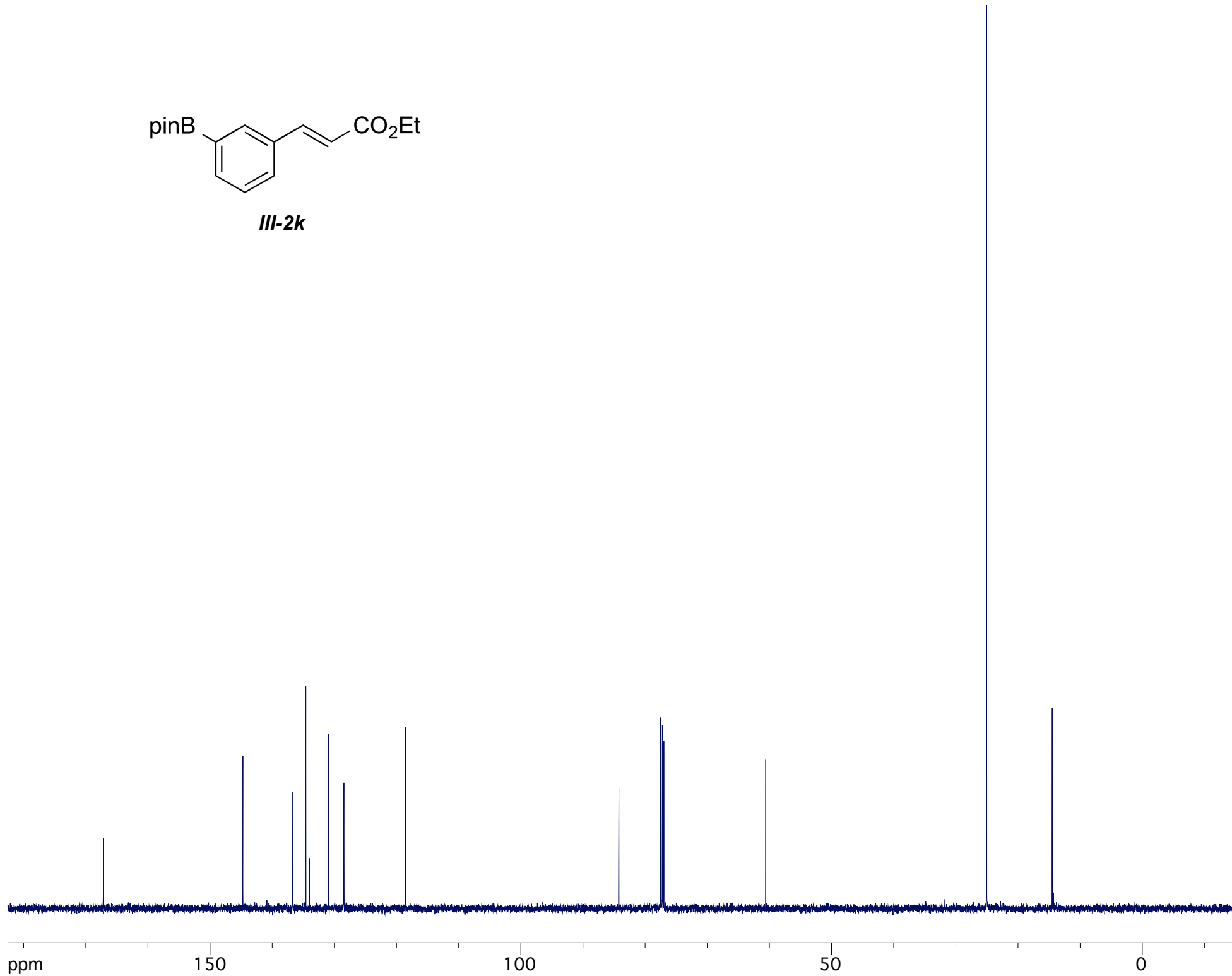


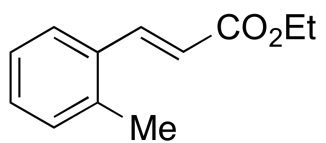
III-2k



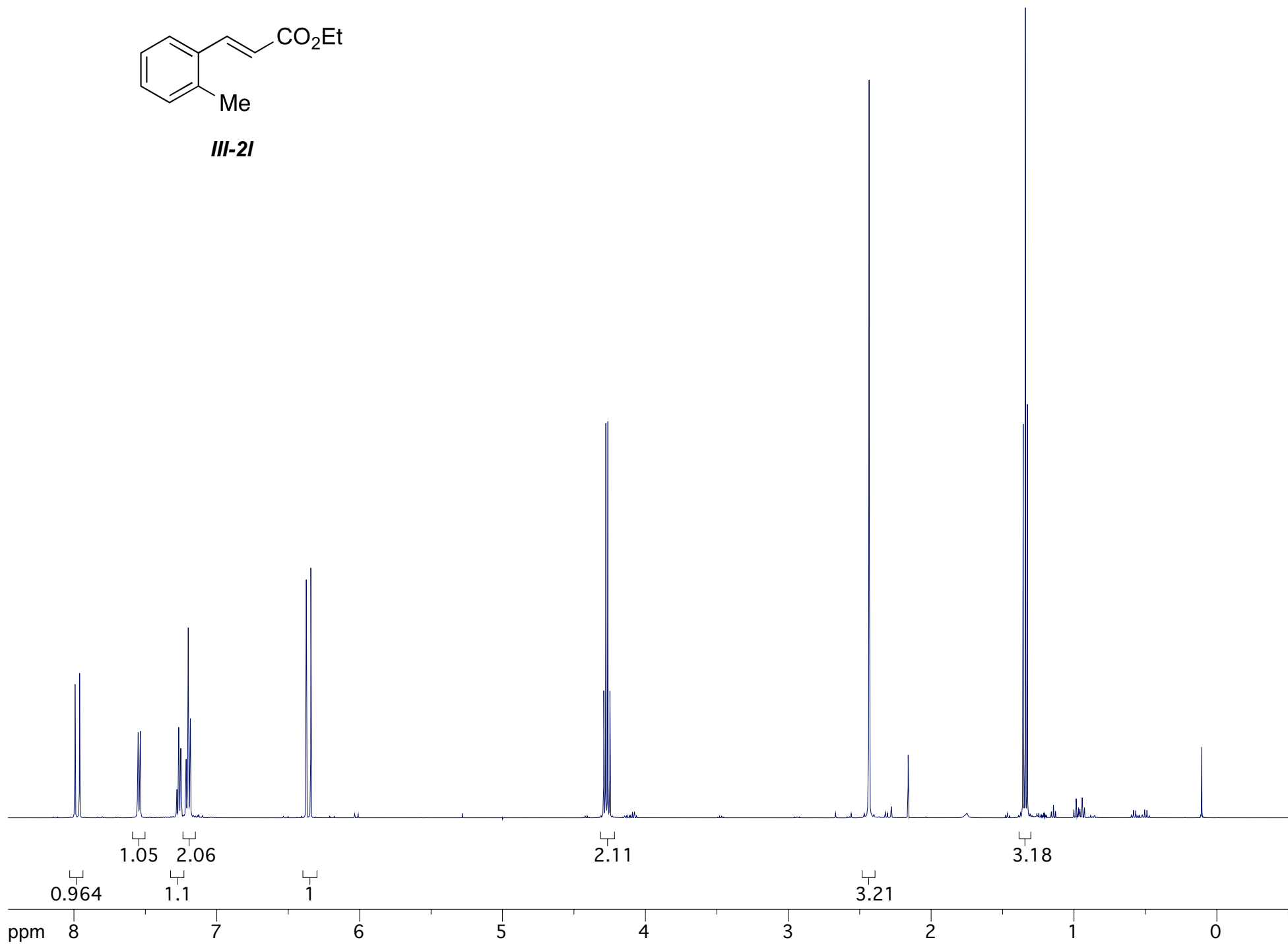


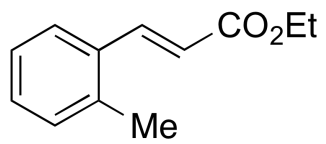
III-2k



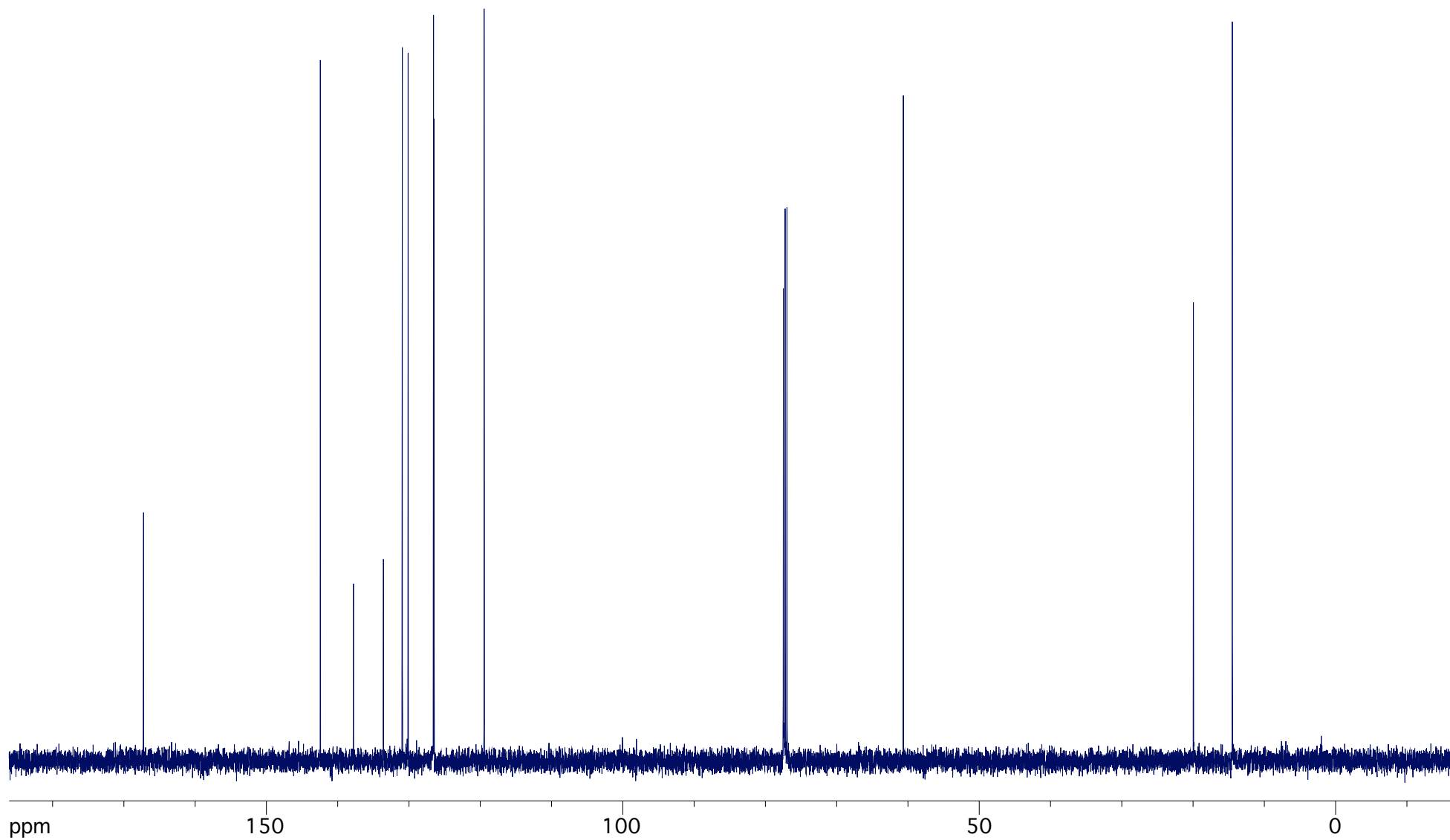


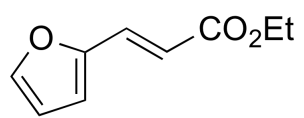
III-2I



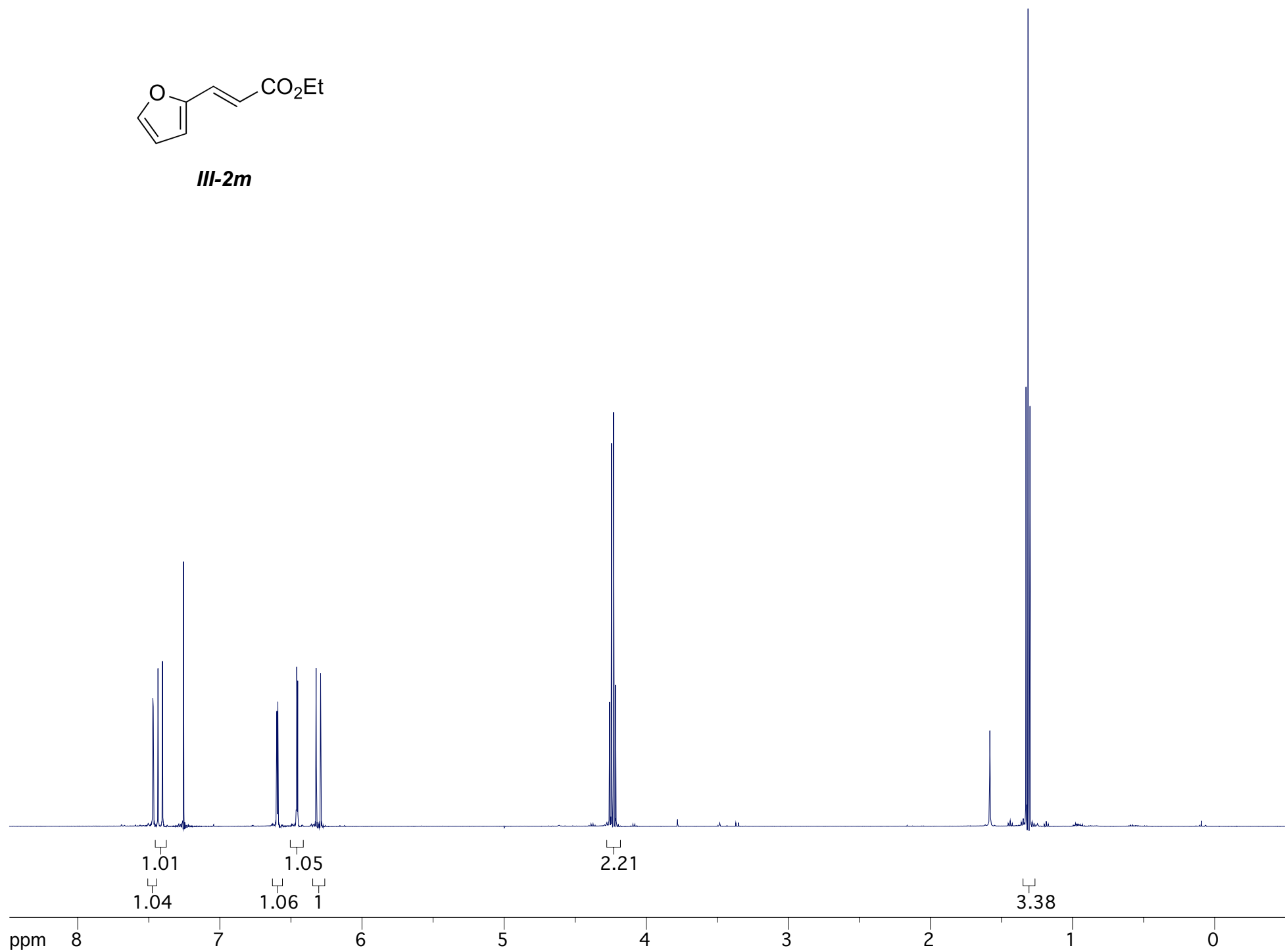


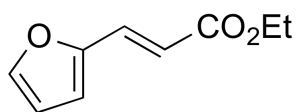
III-21



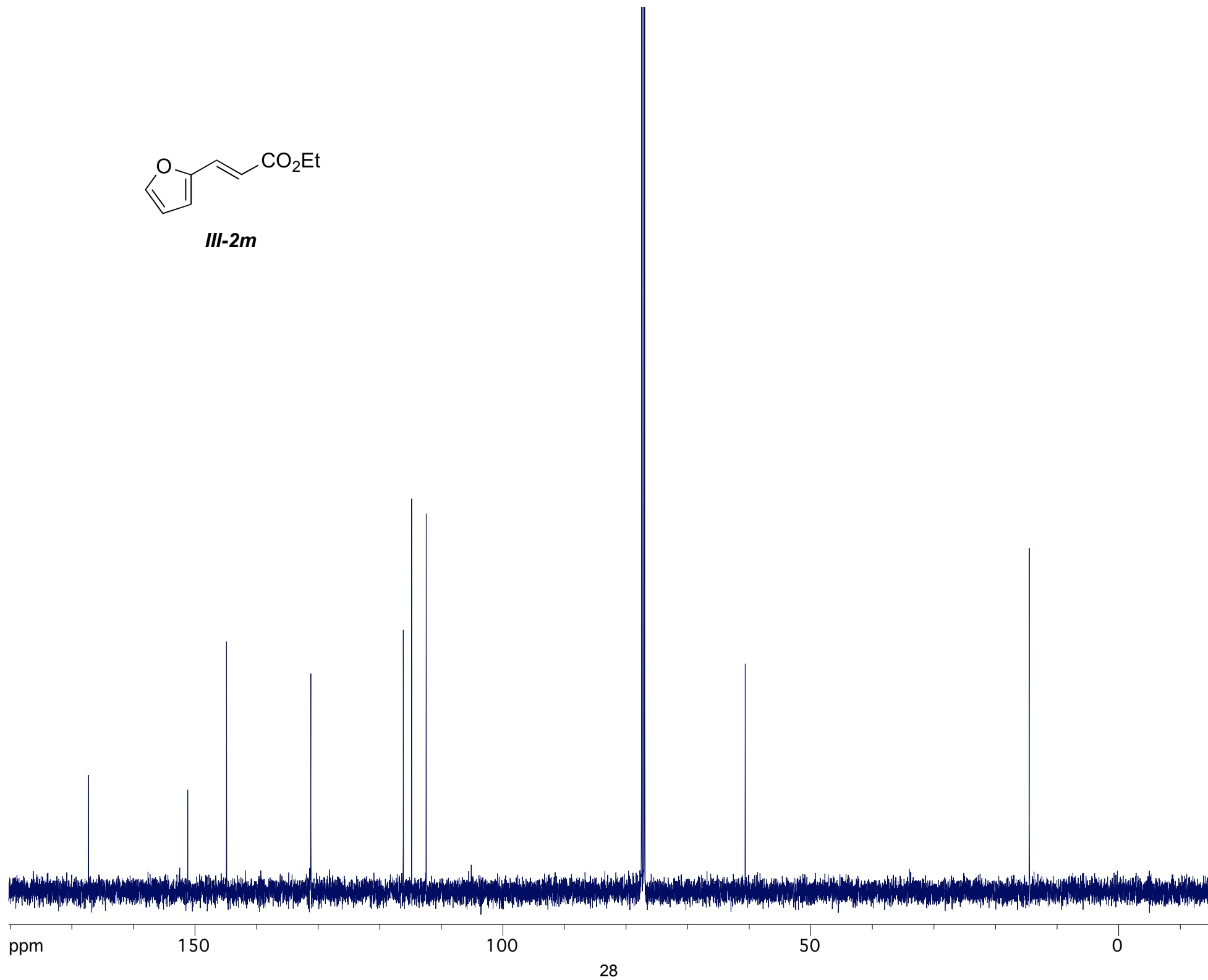


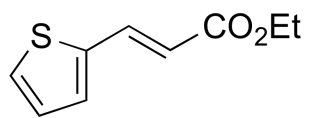
III-2m



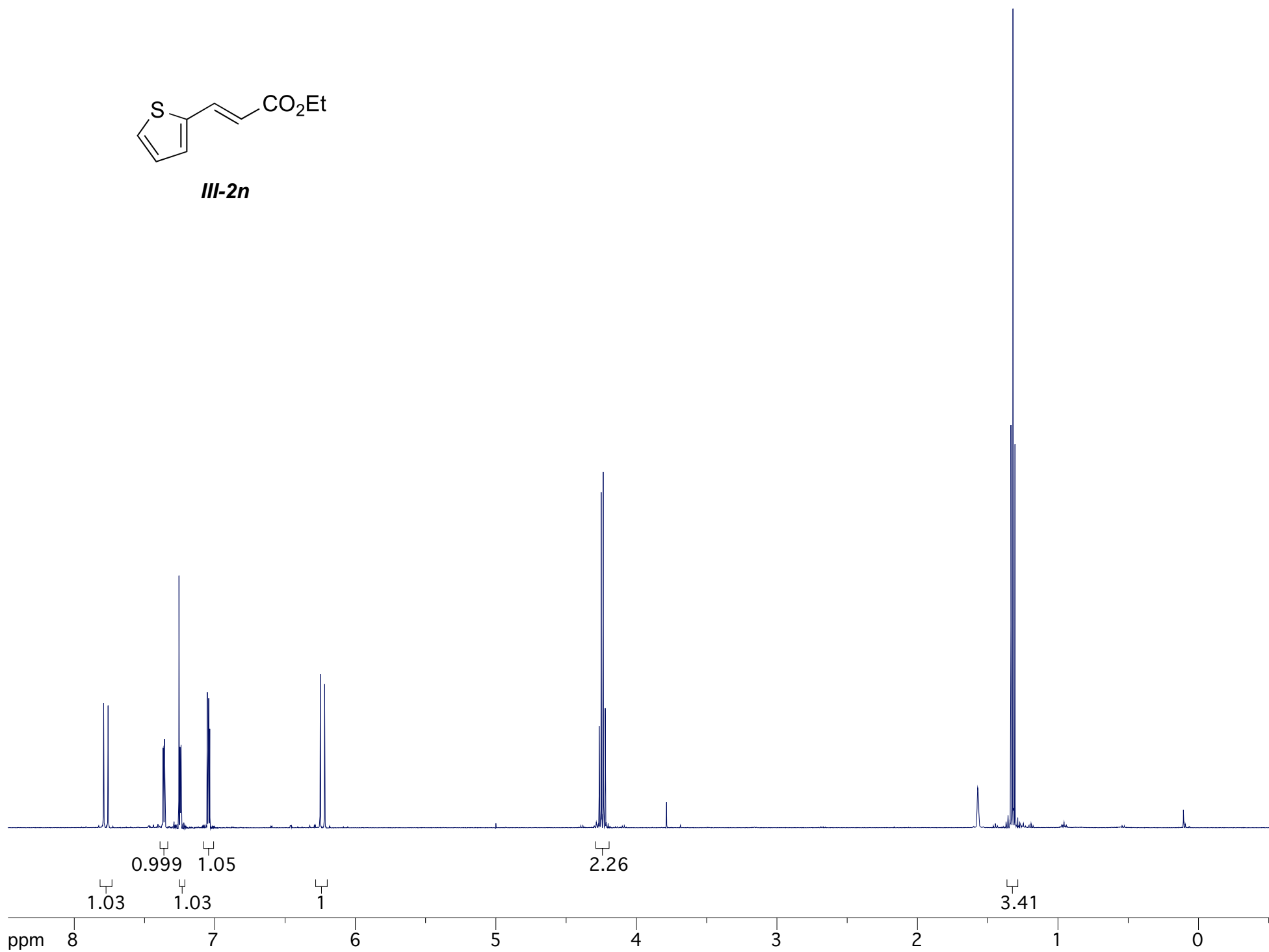


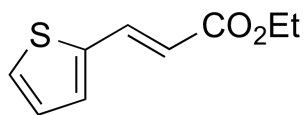
III-2m



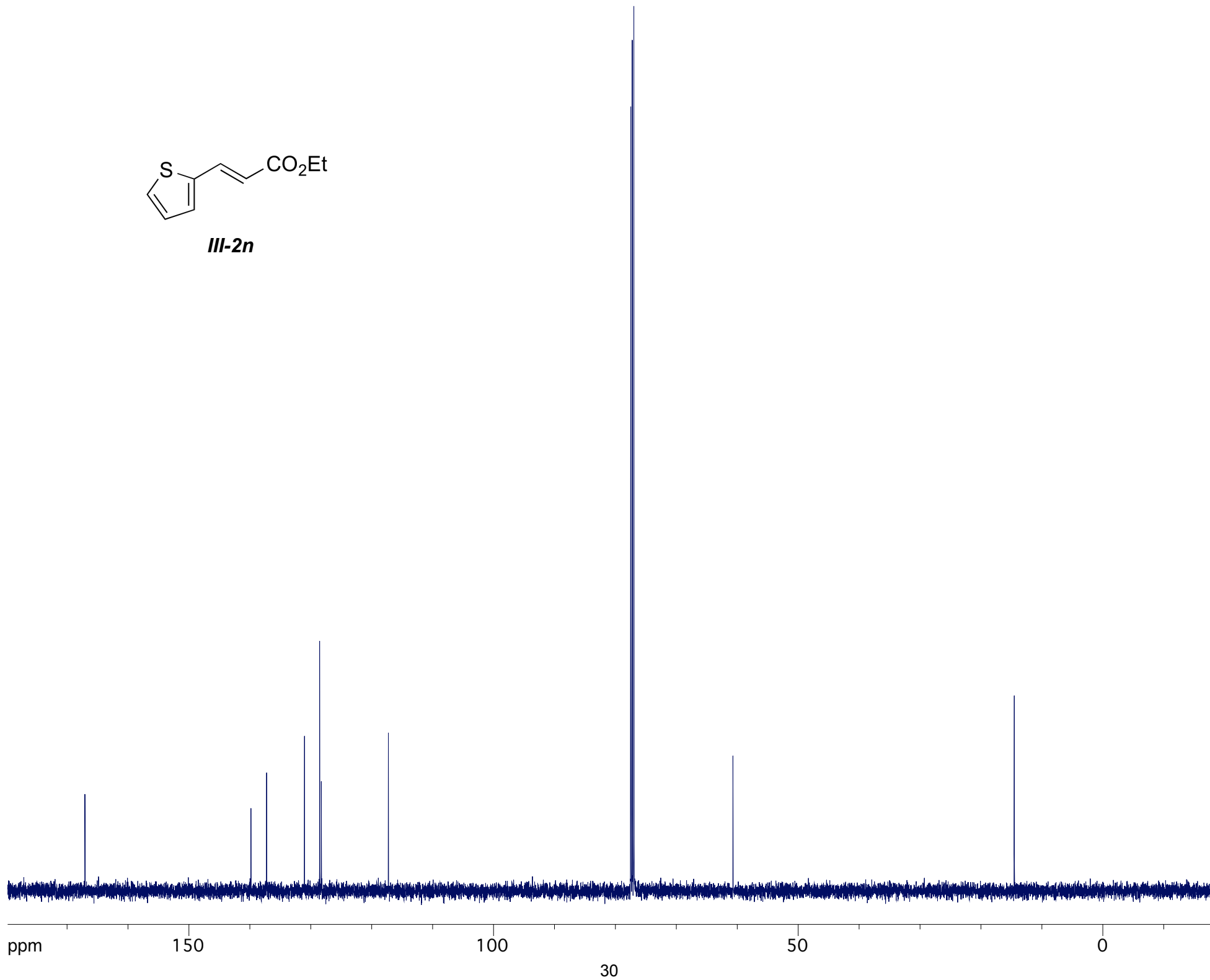


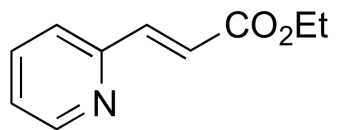
III-2n



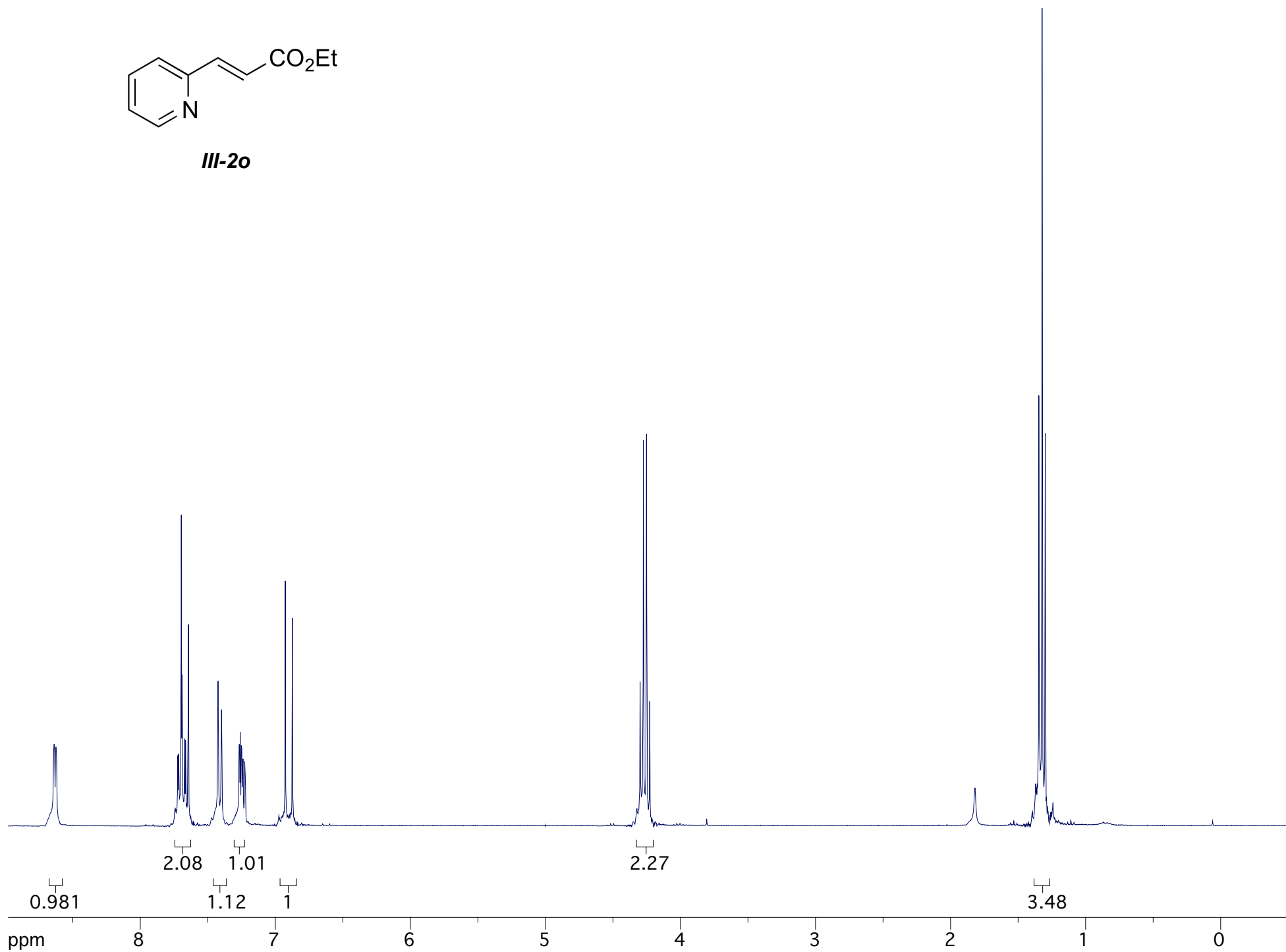


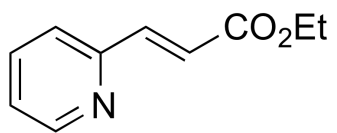
III-2n



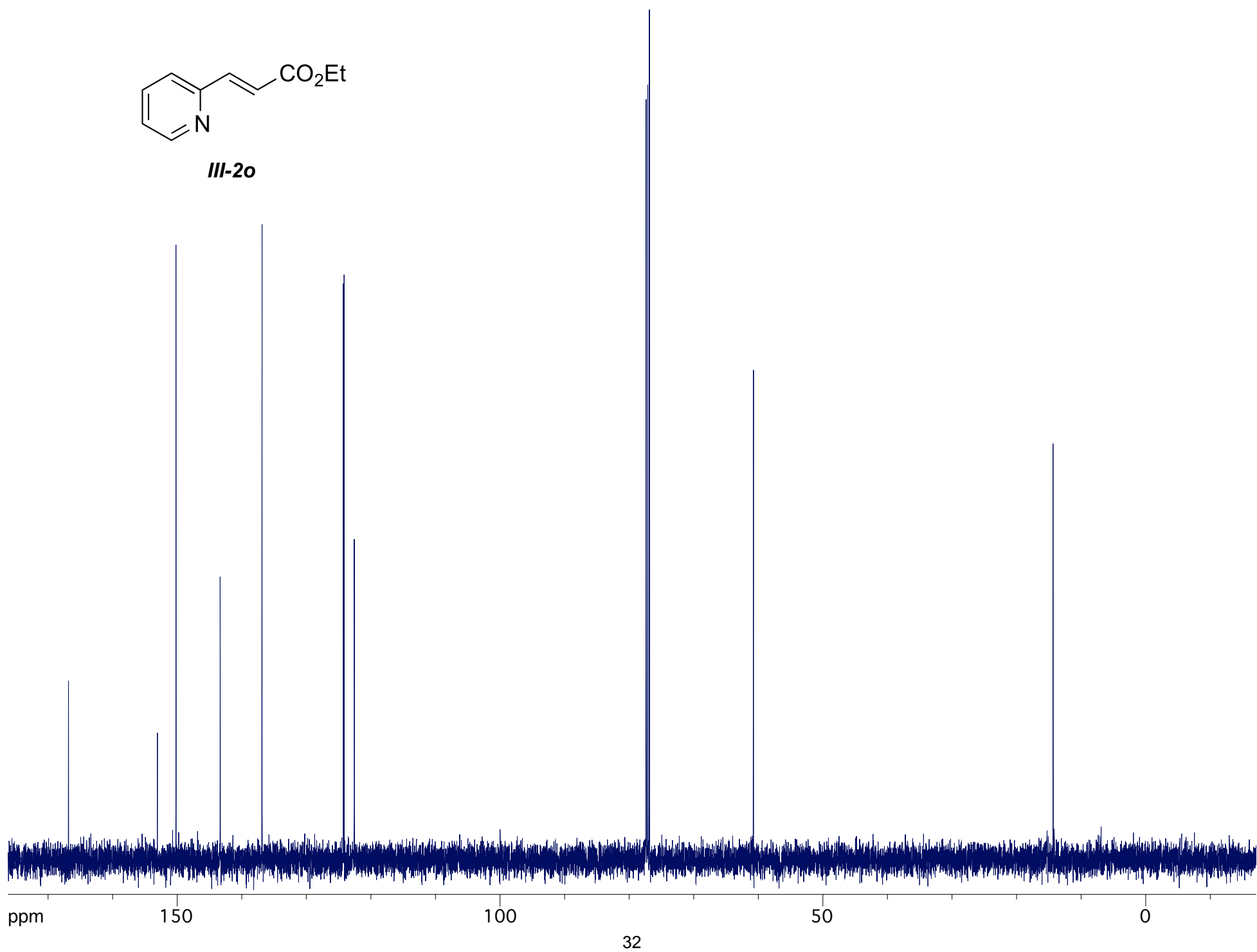


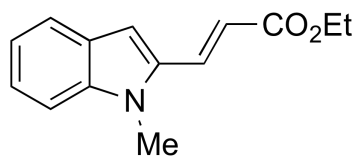
III-2o



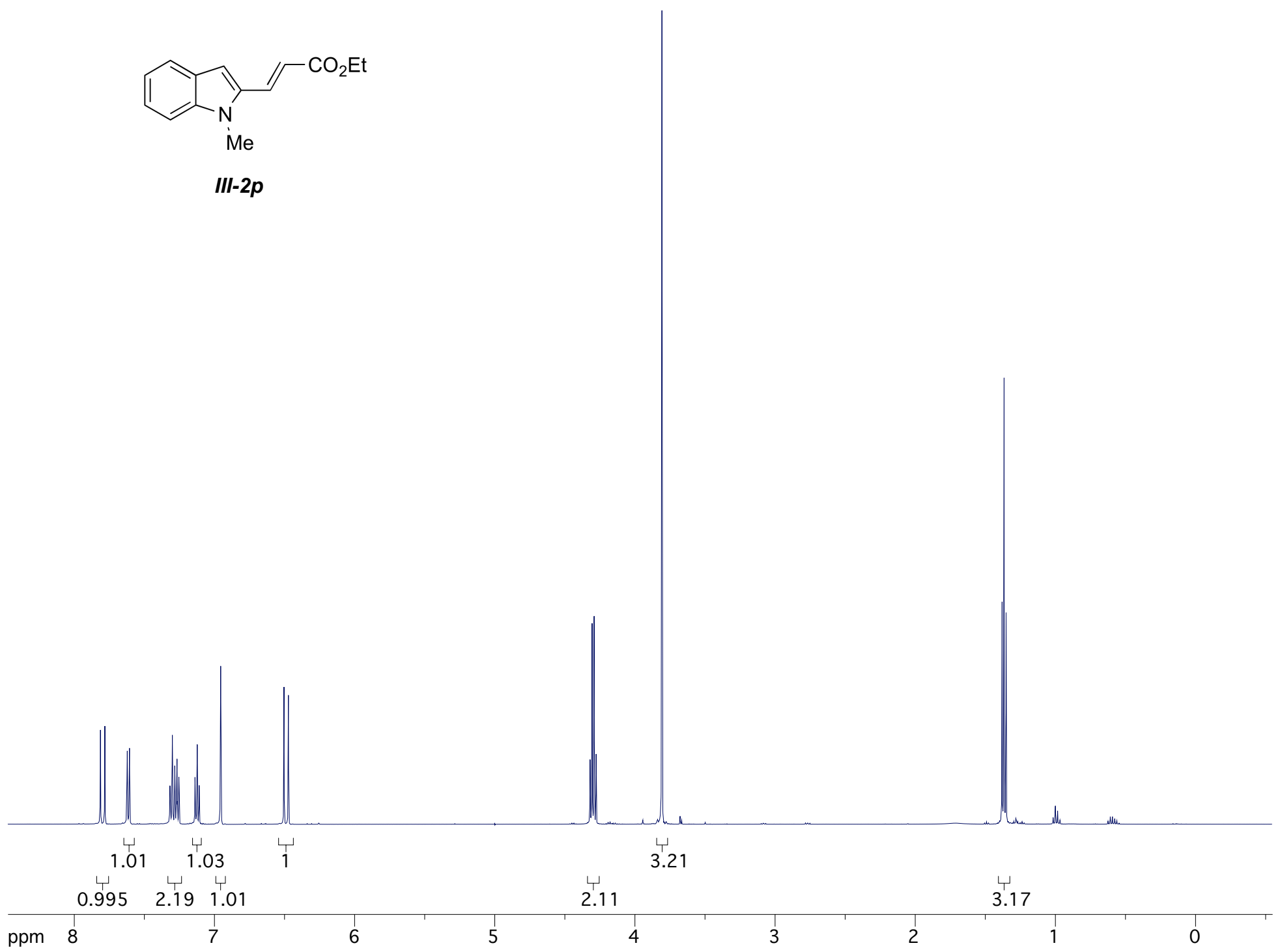


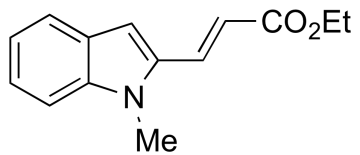
III-2o



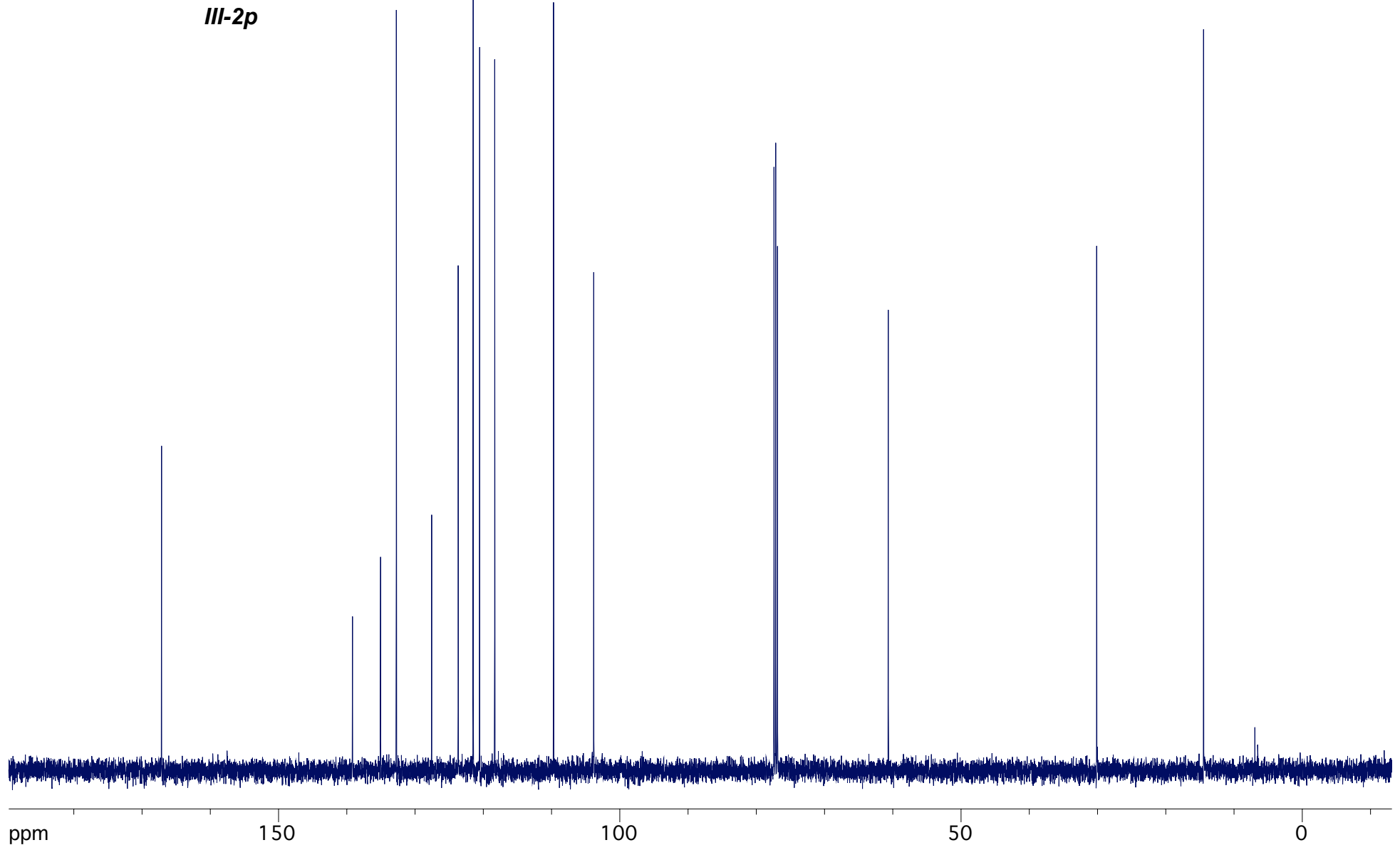


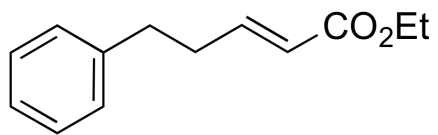
III-2p



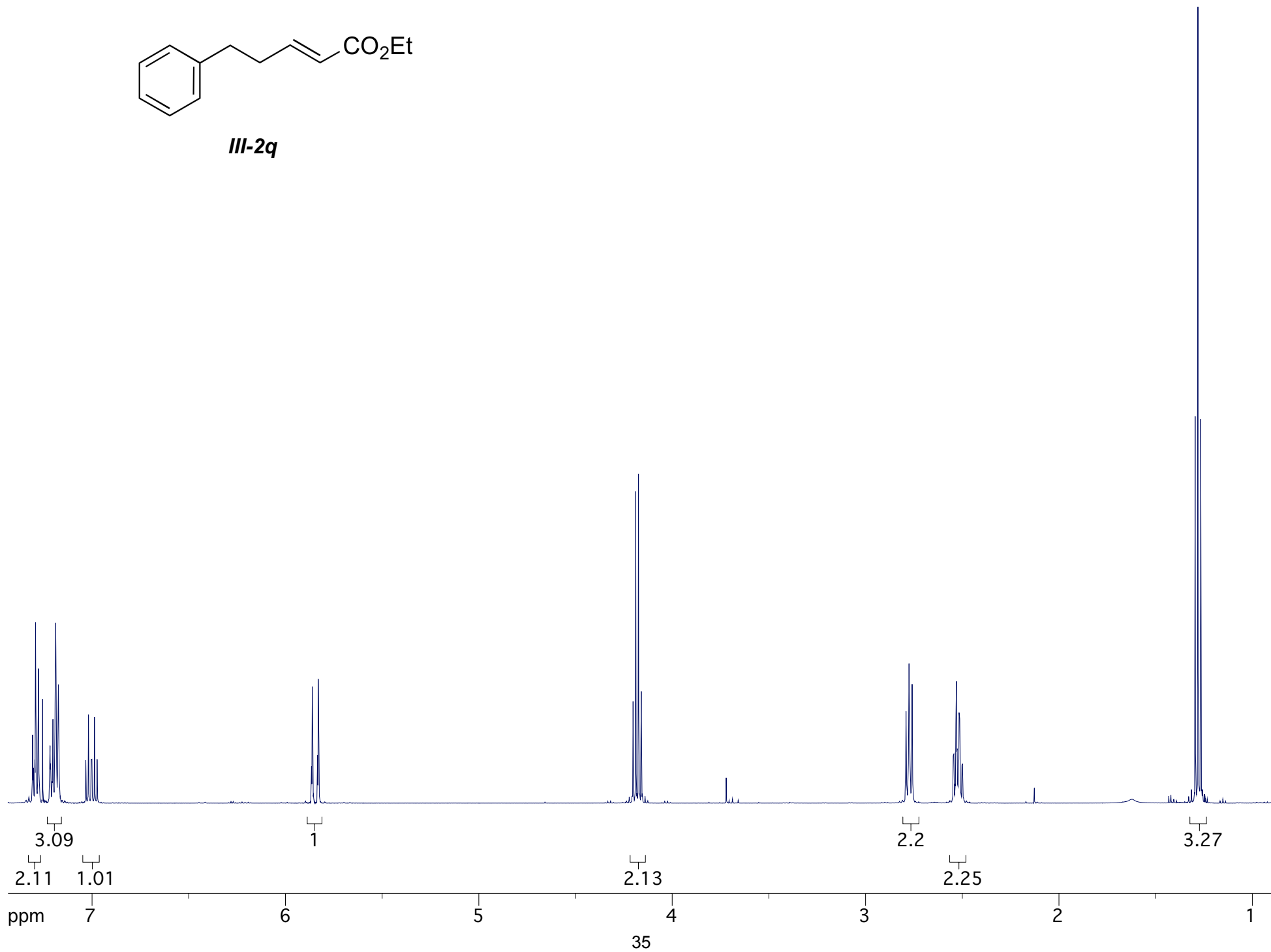


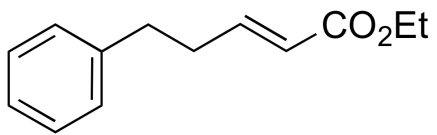
III-2p



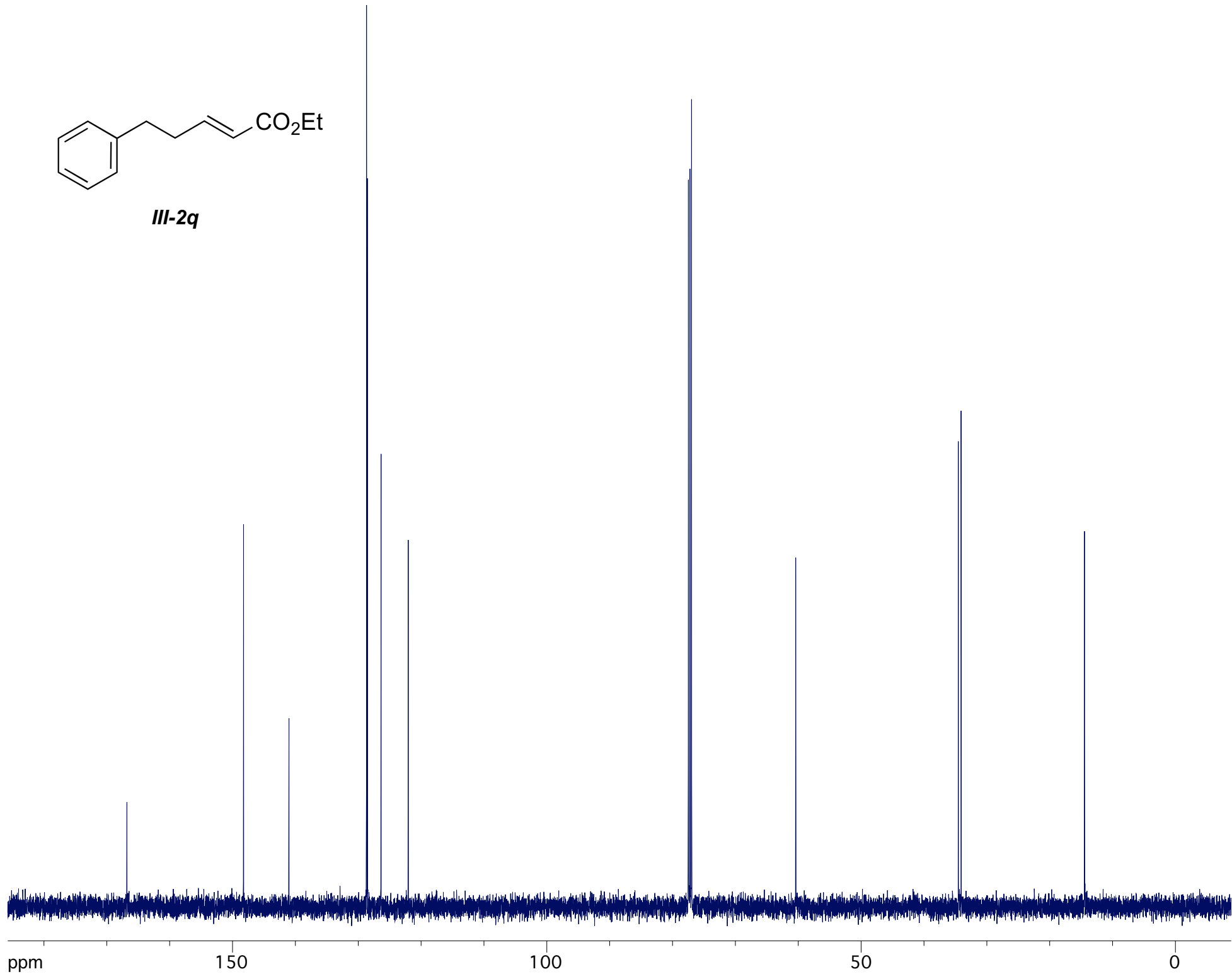


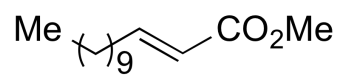
III-2q



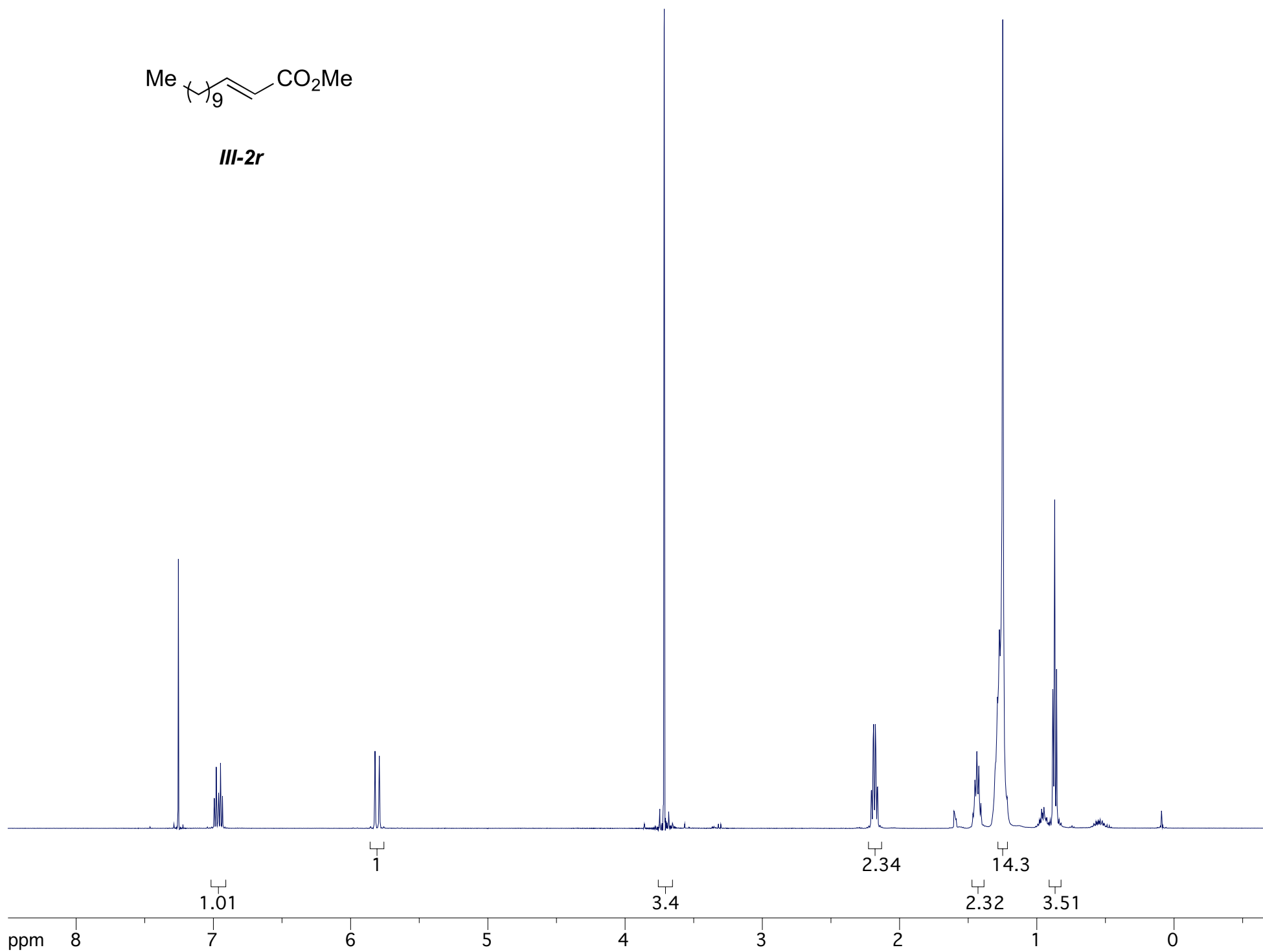


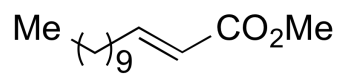
III-2q



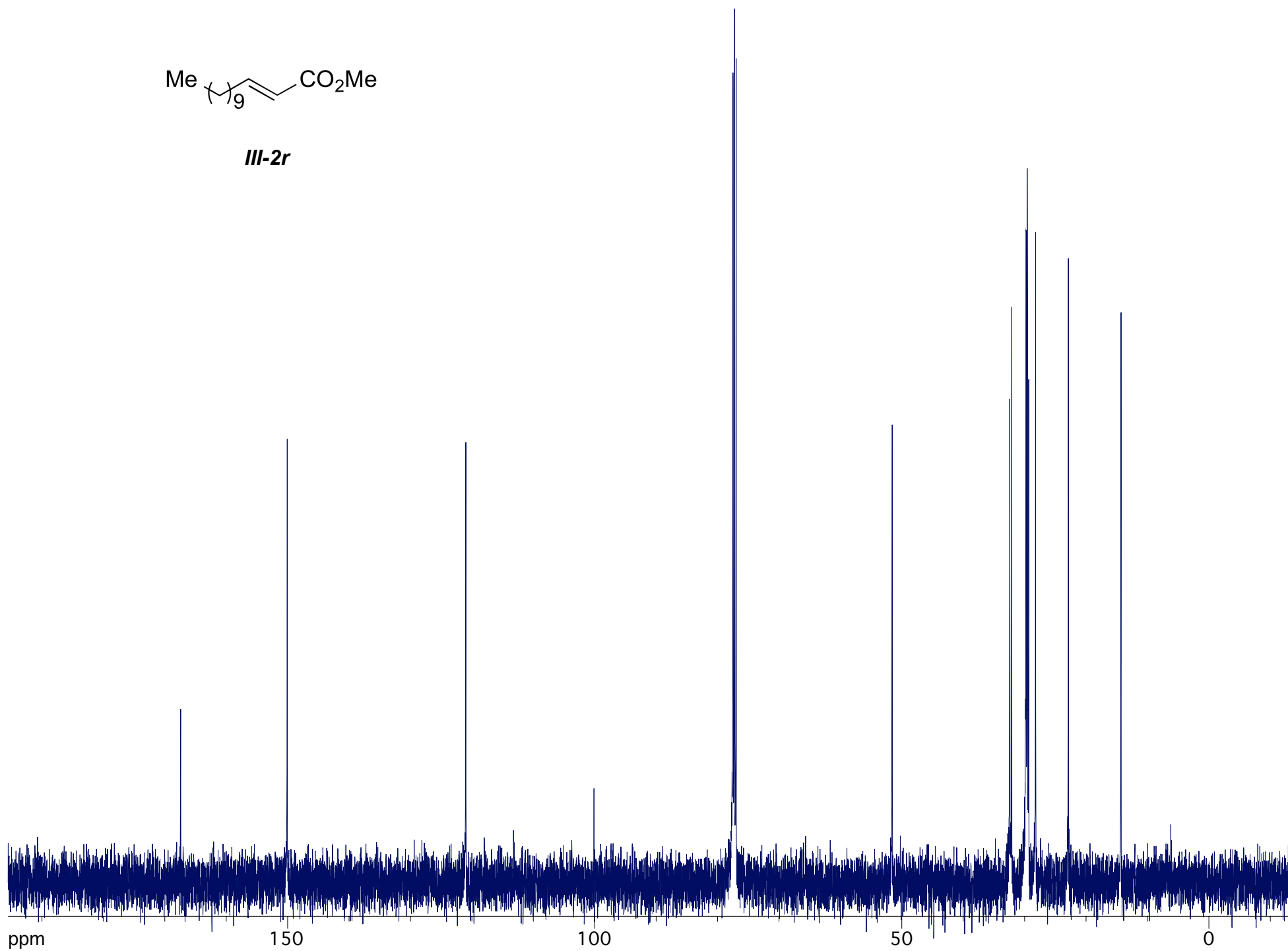


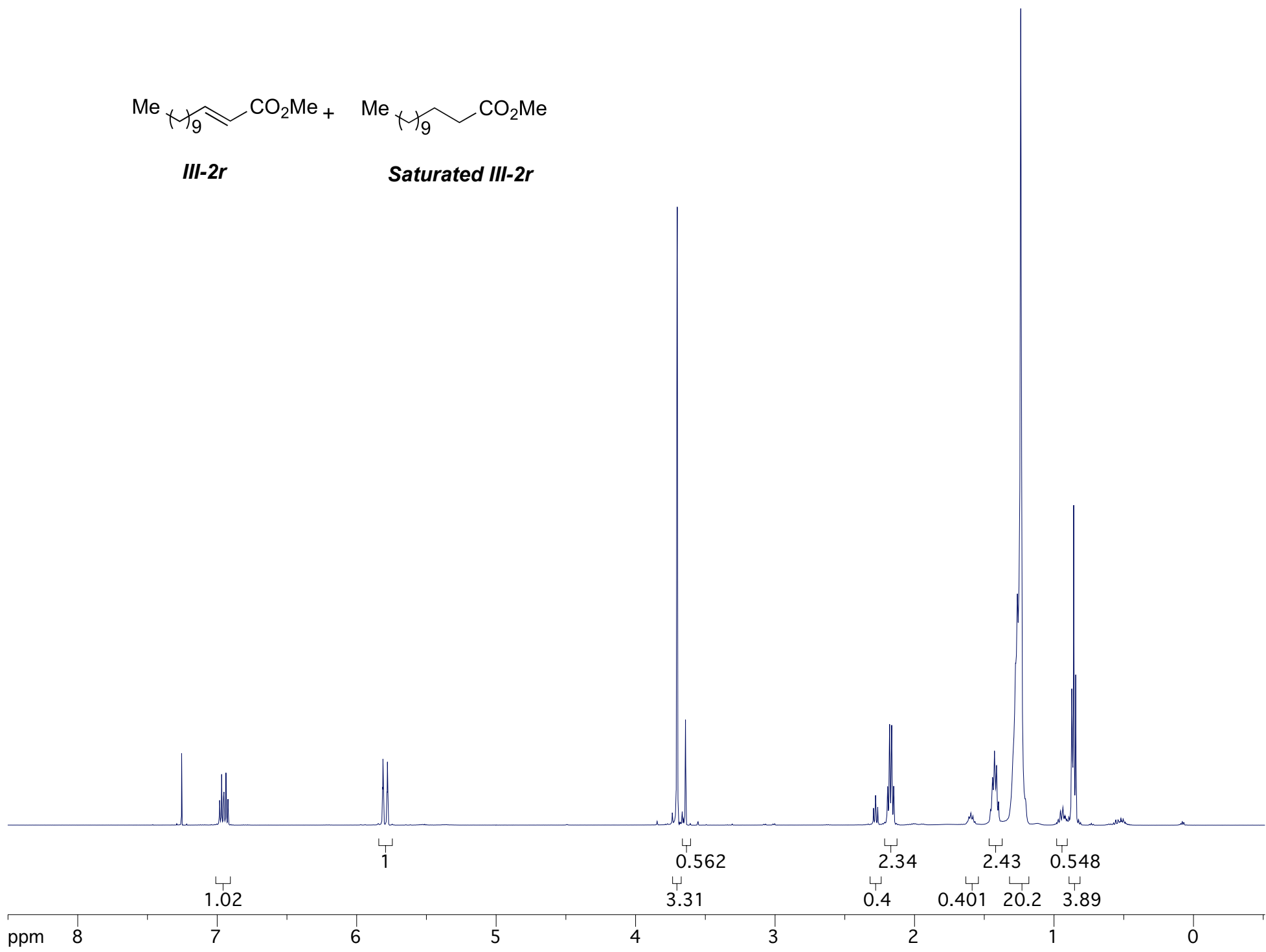
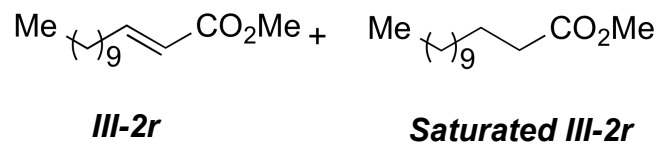
III-2r

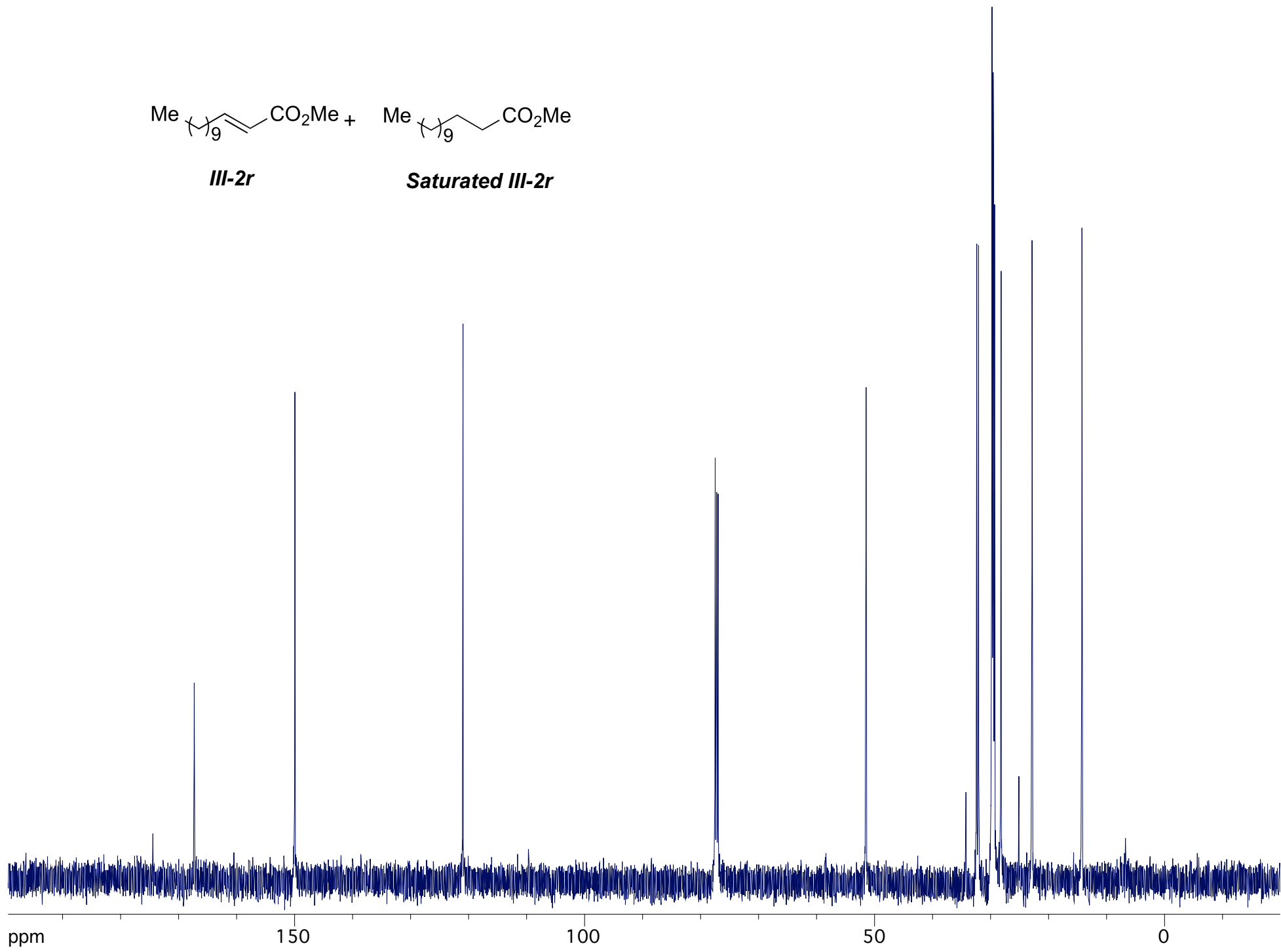
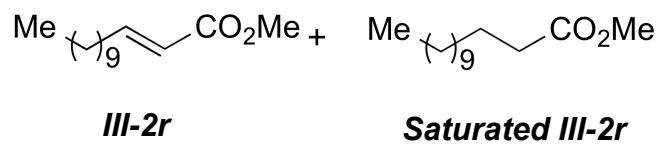


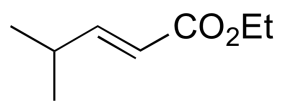


III-2r

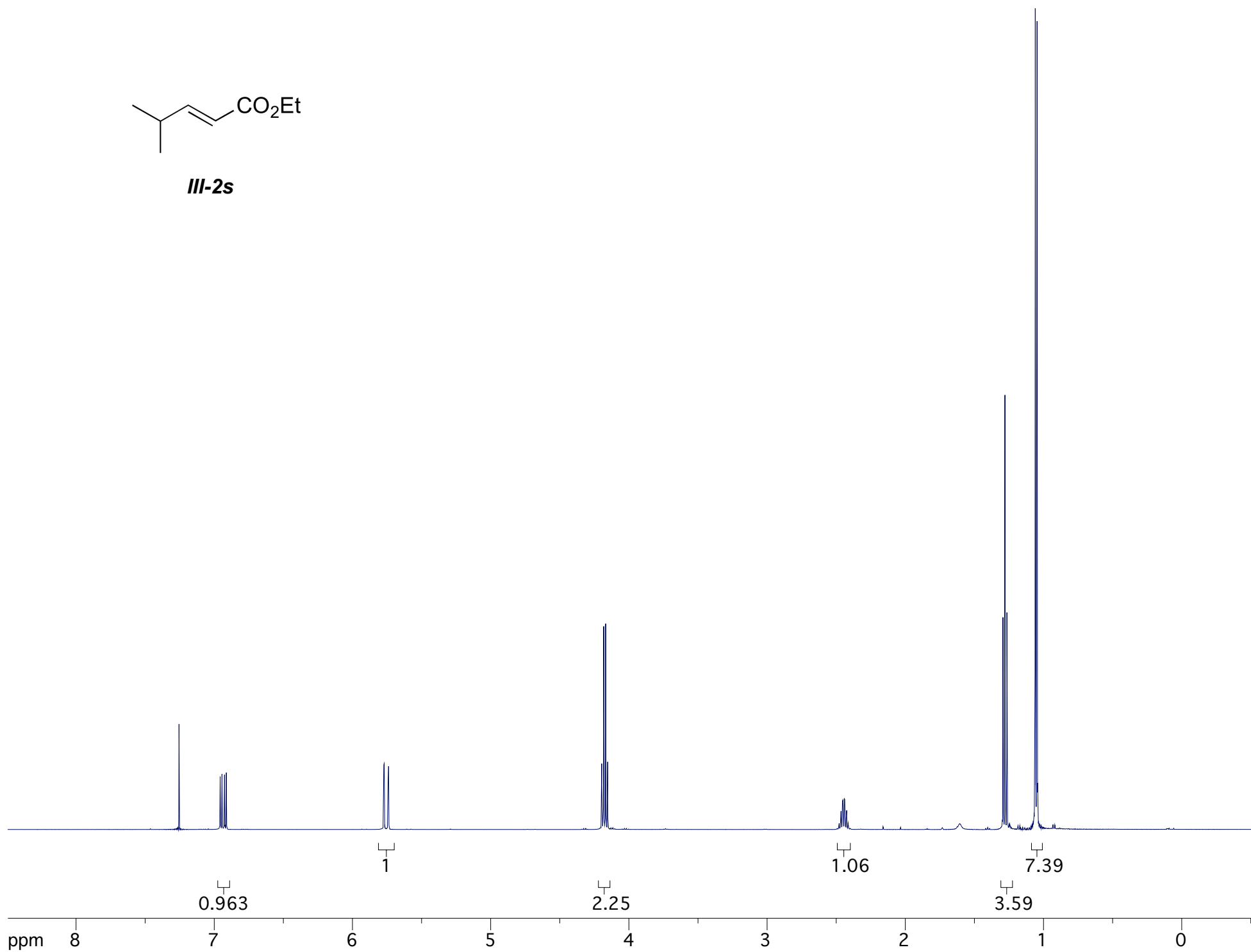


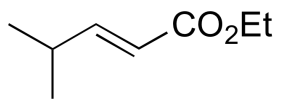




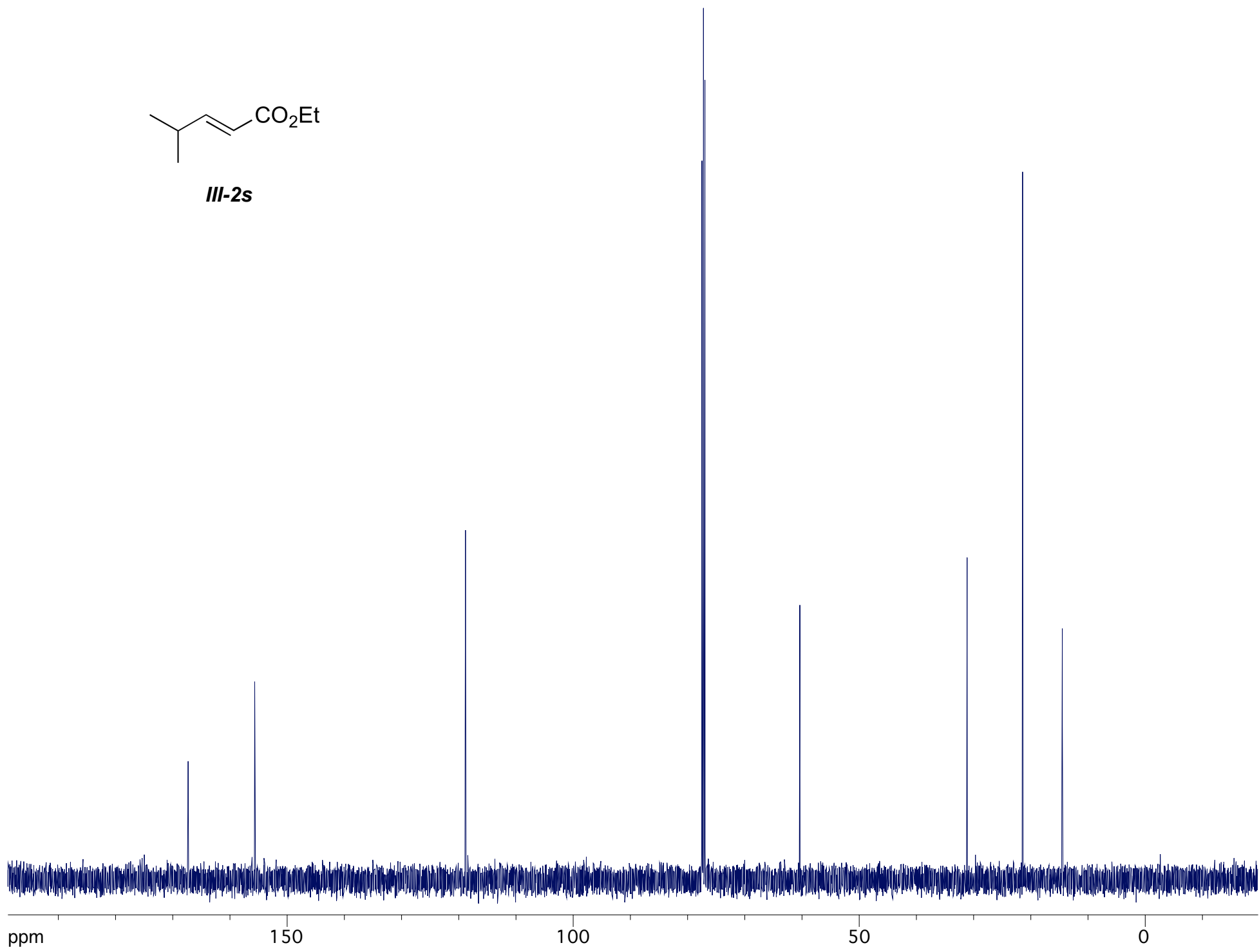


III-2s





III-2s



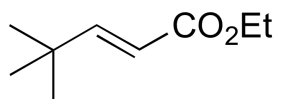
ppm

150

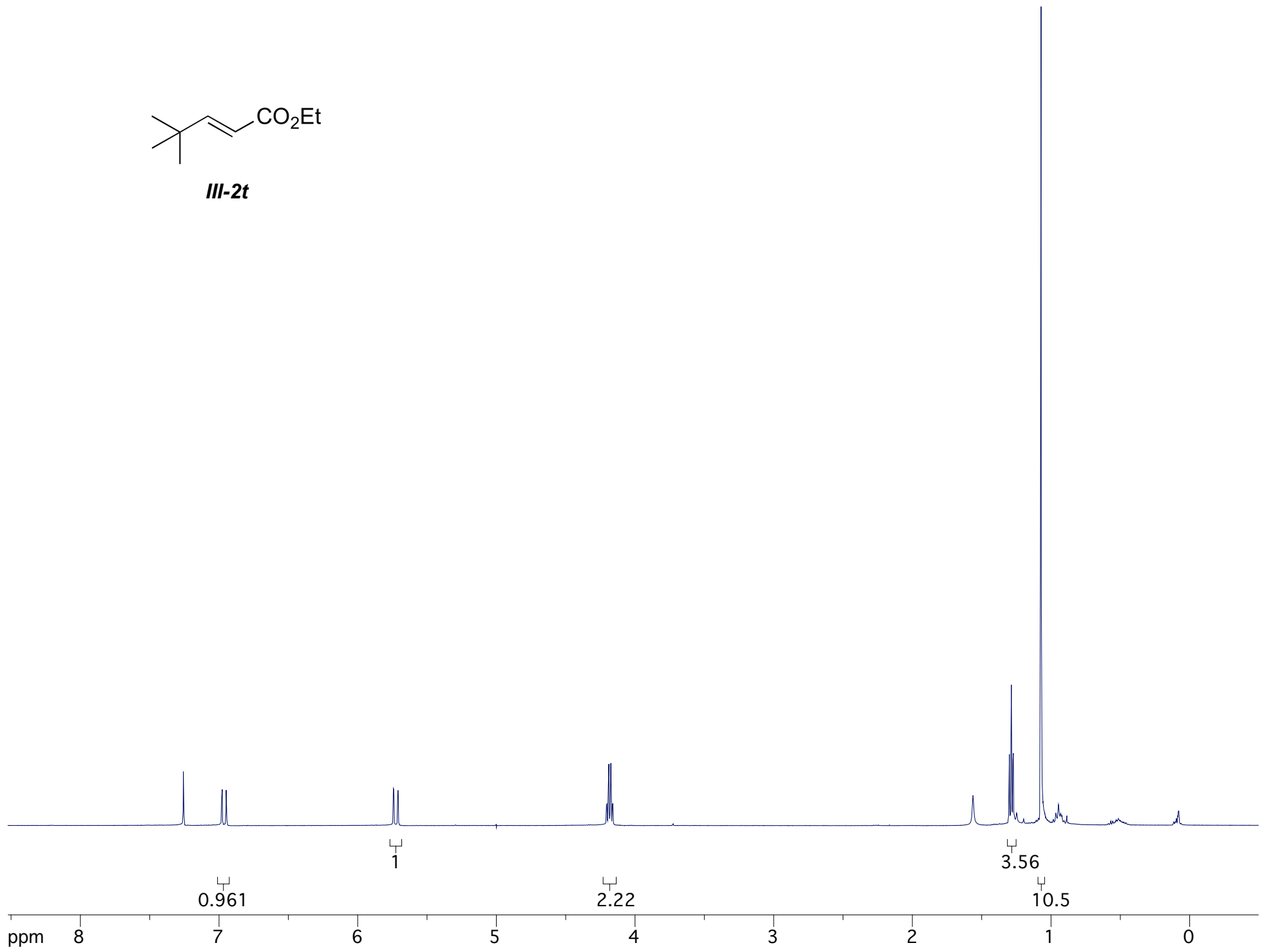
100

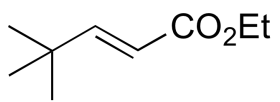
50

0

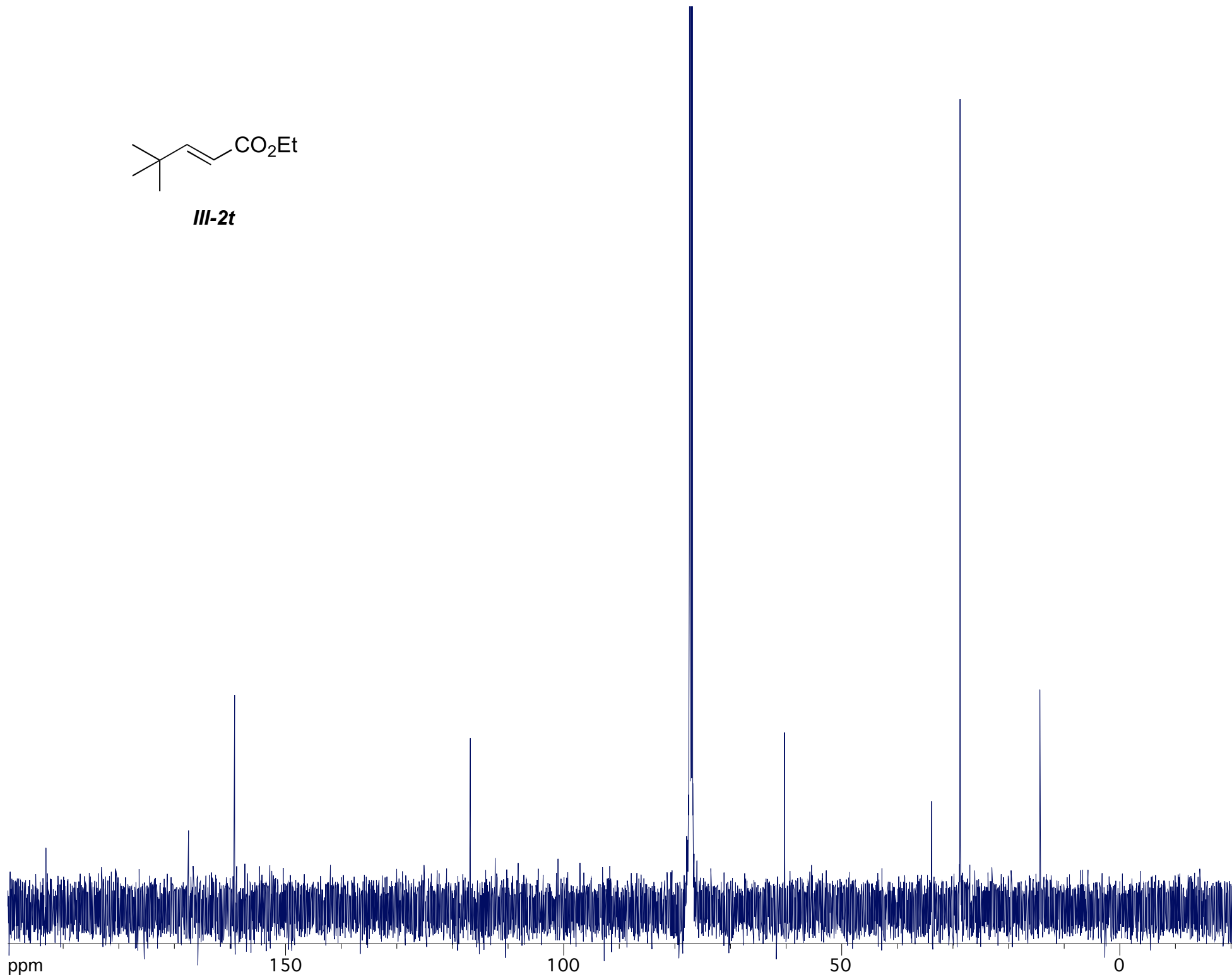


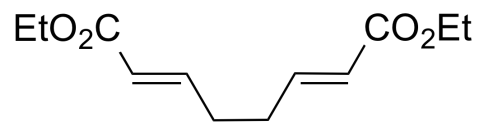
III-2t



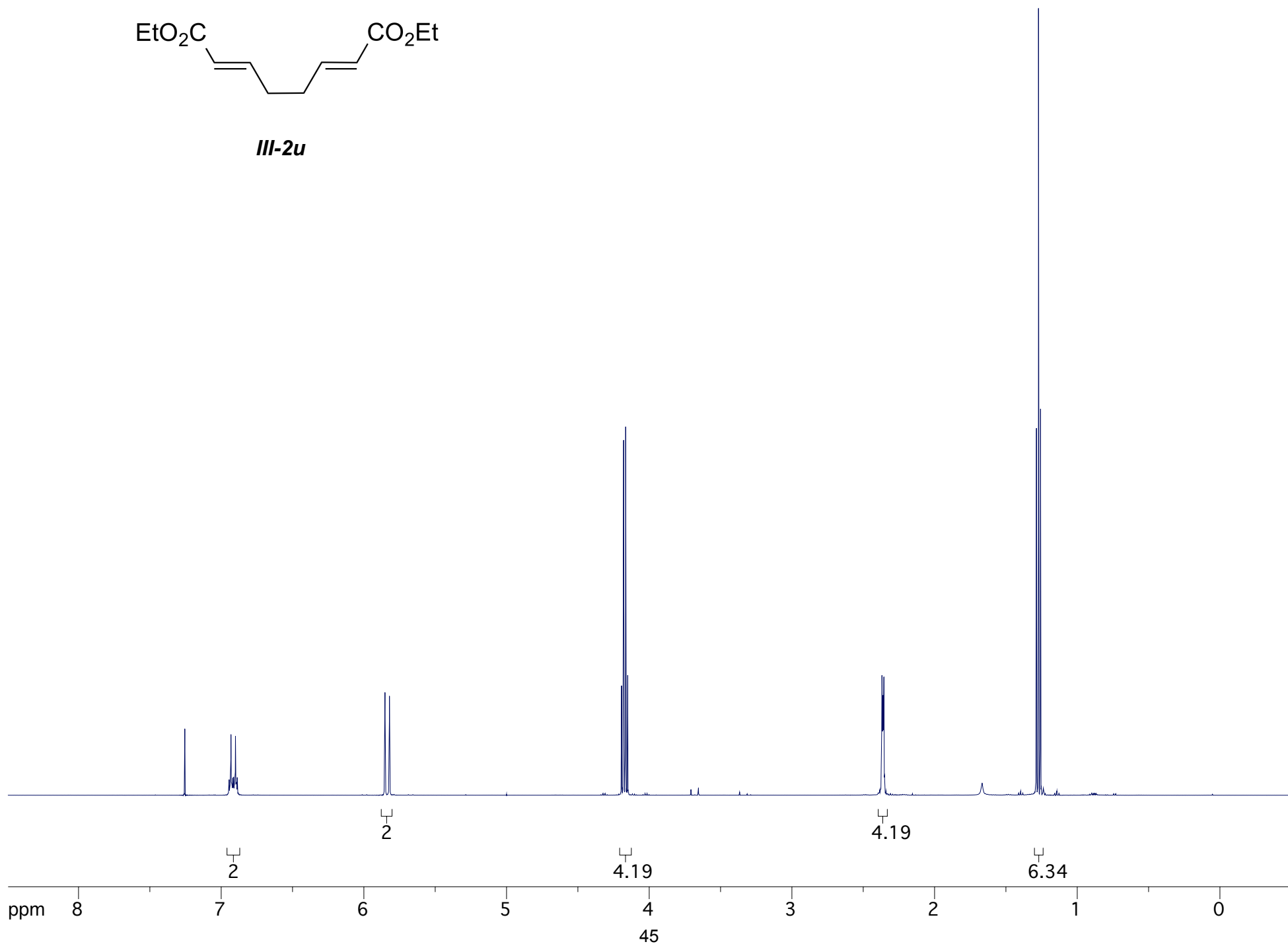


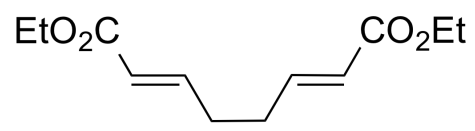
III-2t



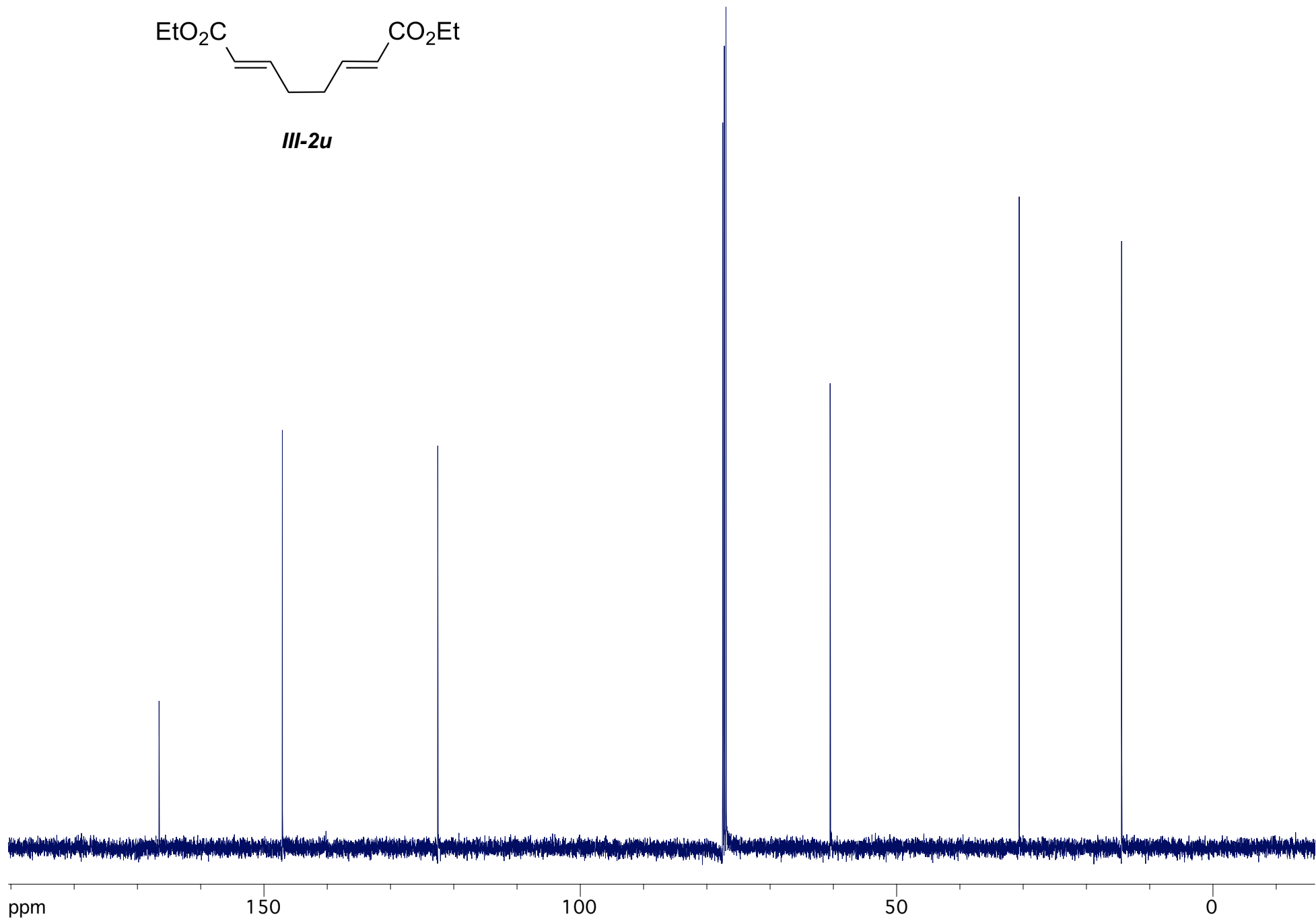


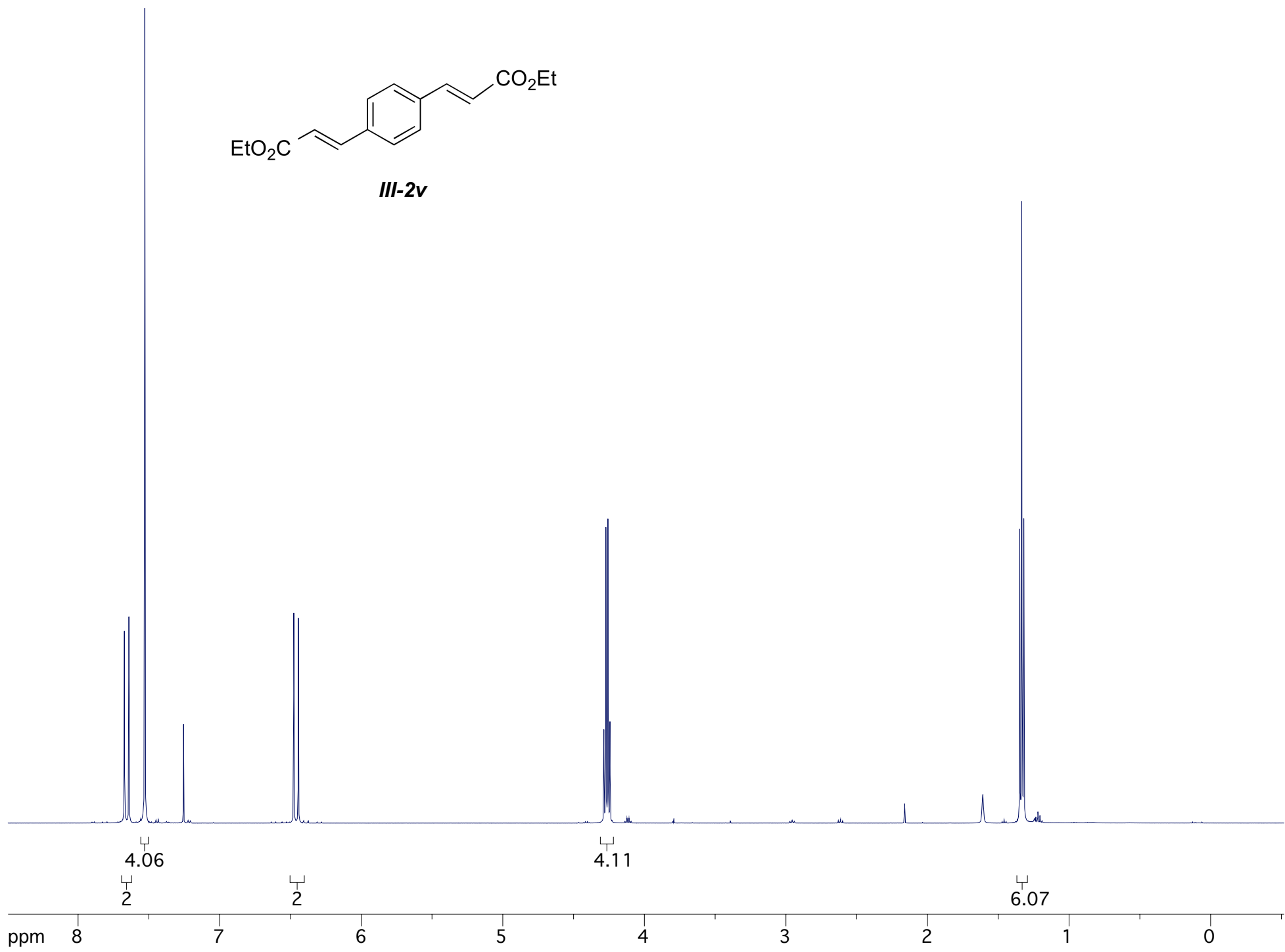
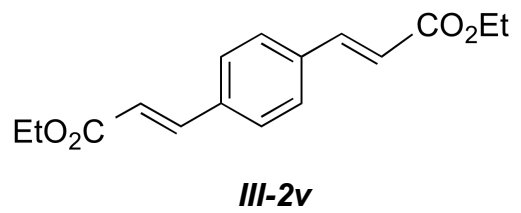
III-2u

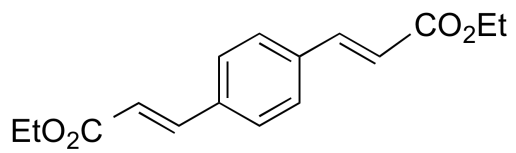




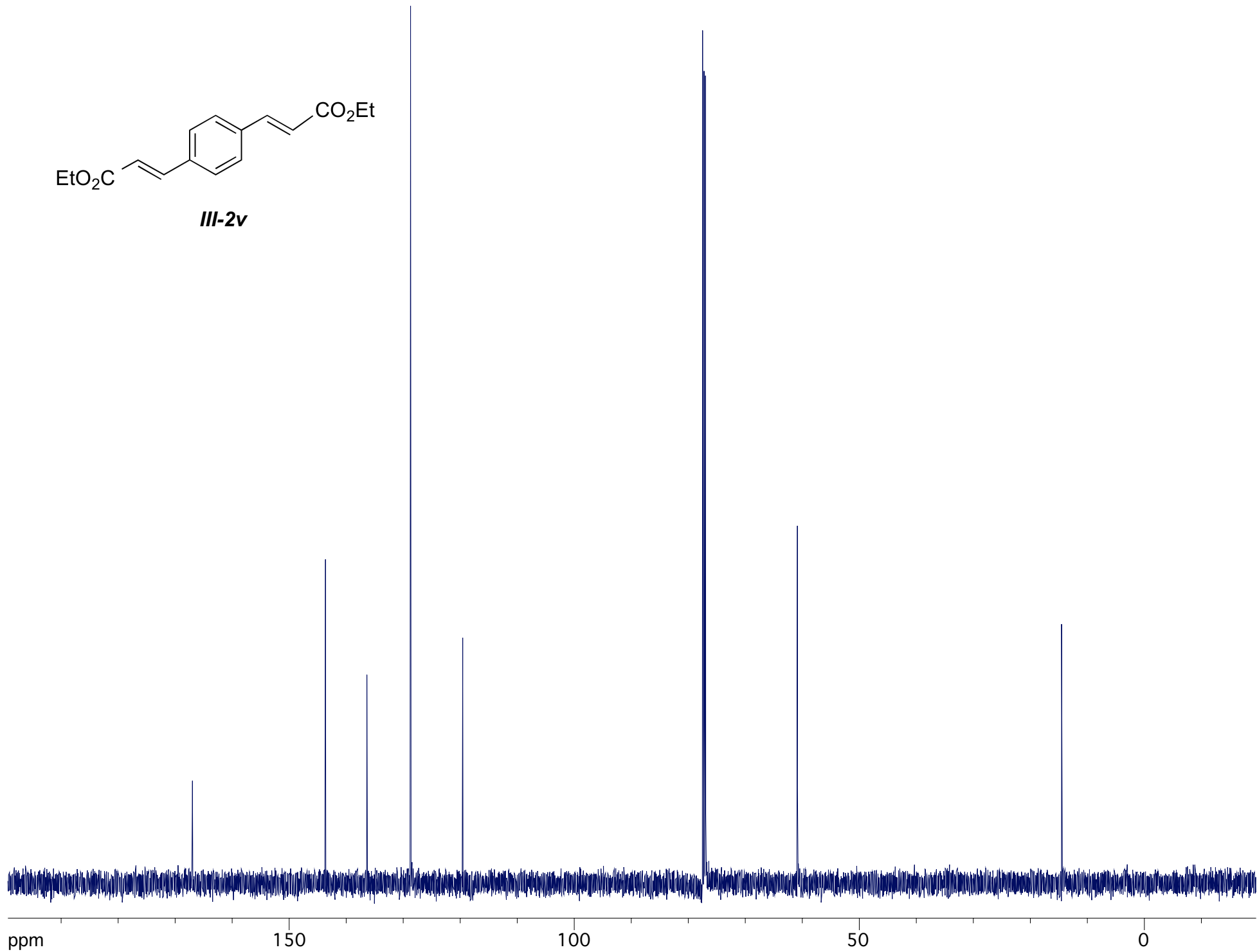
III-2u

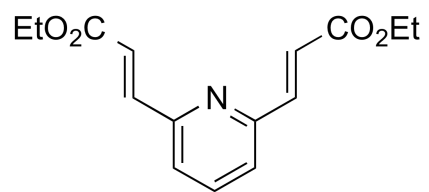




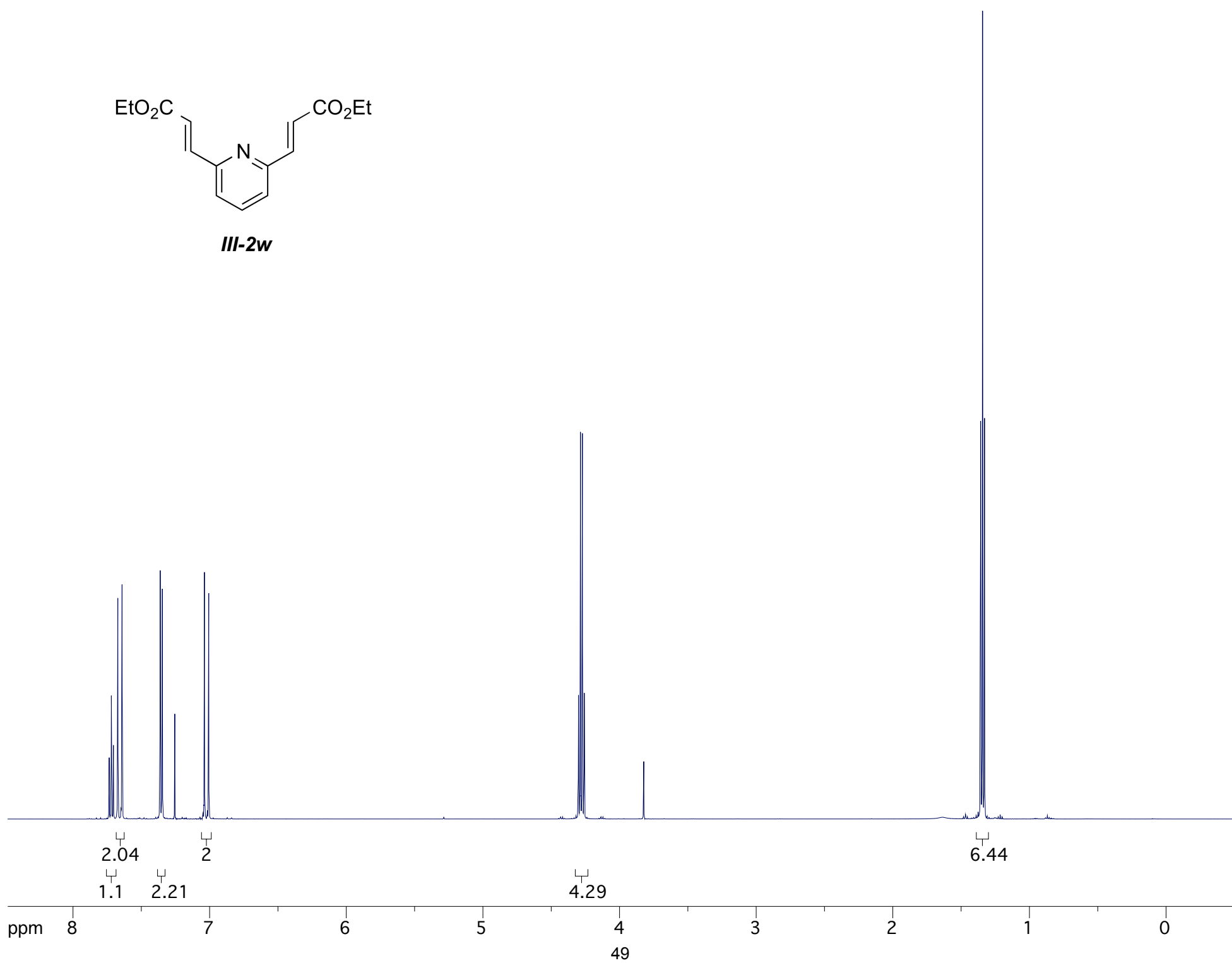


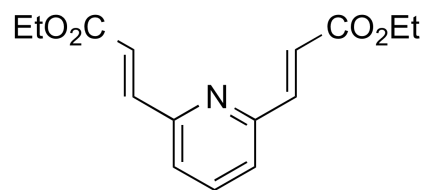
III-2v



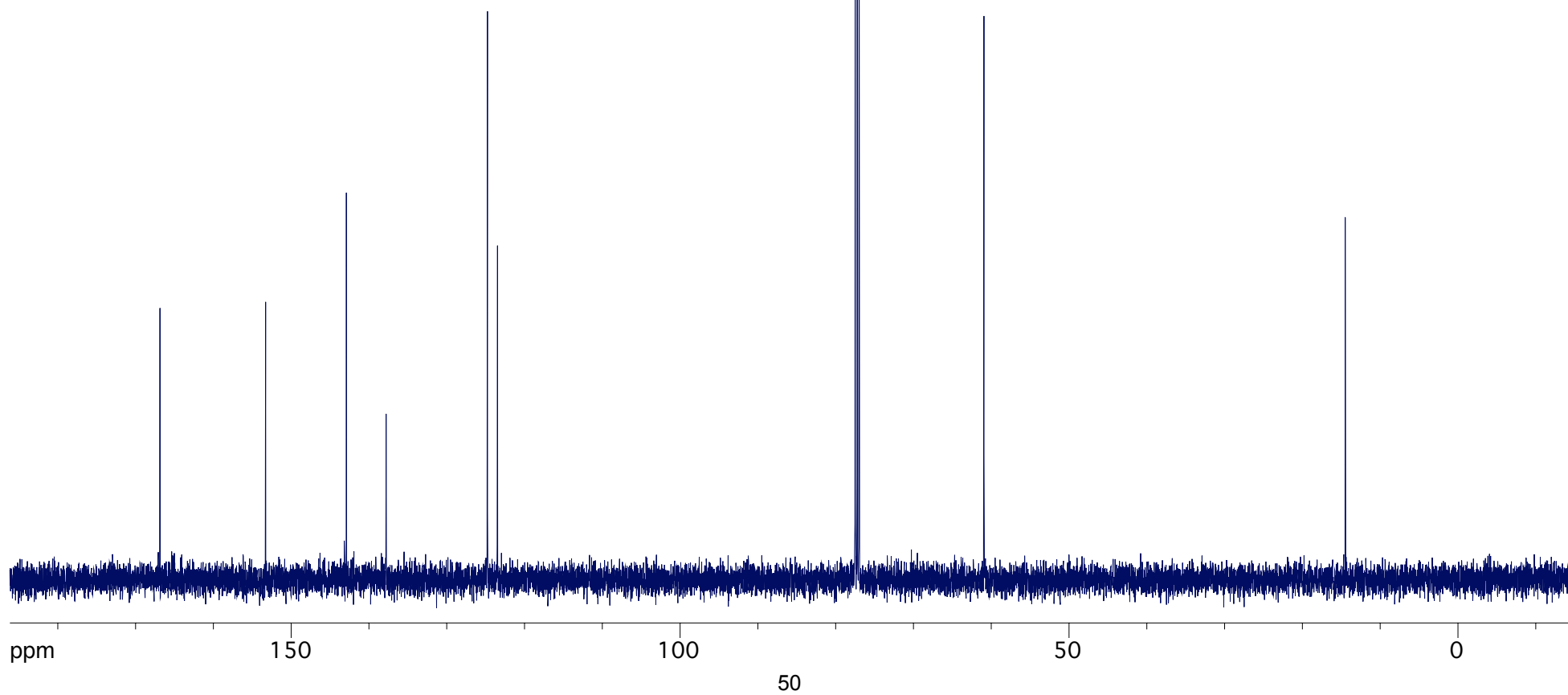


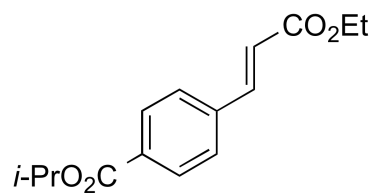
III-2w



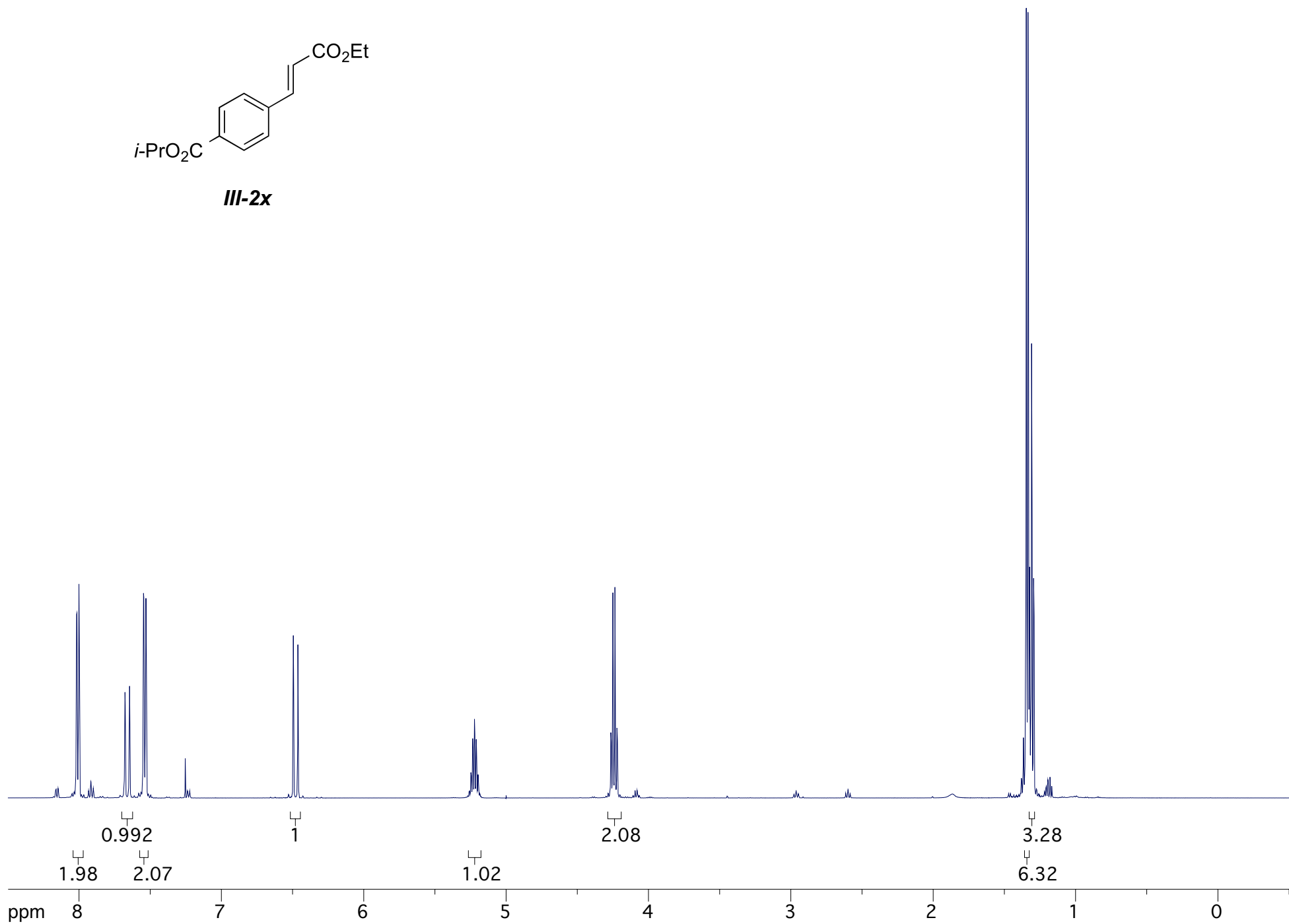


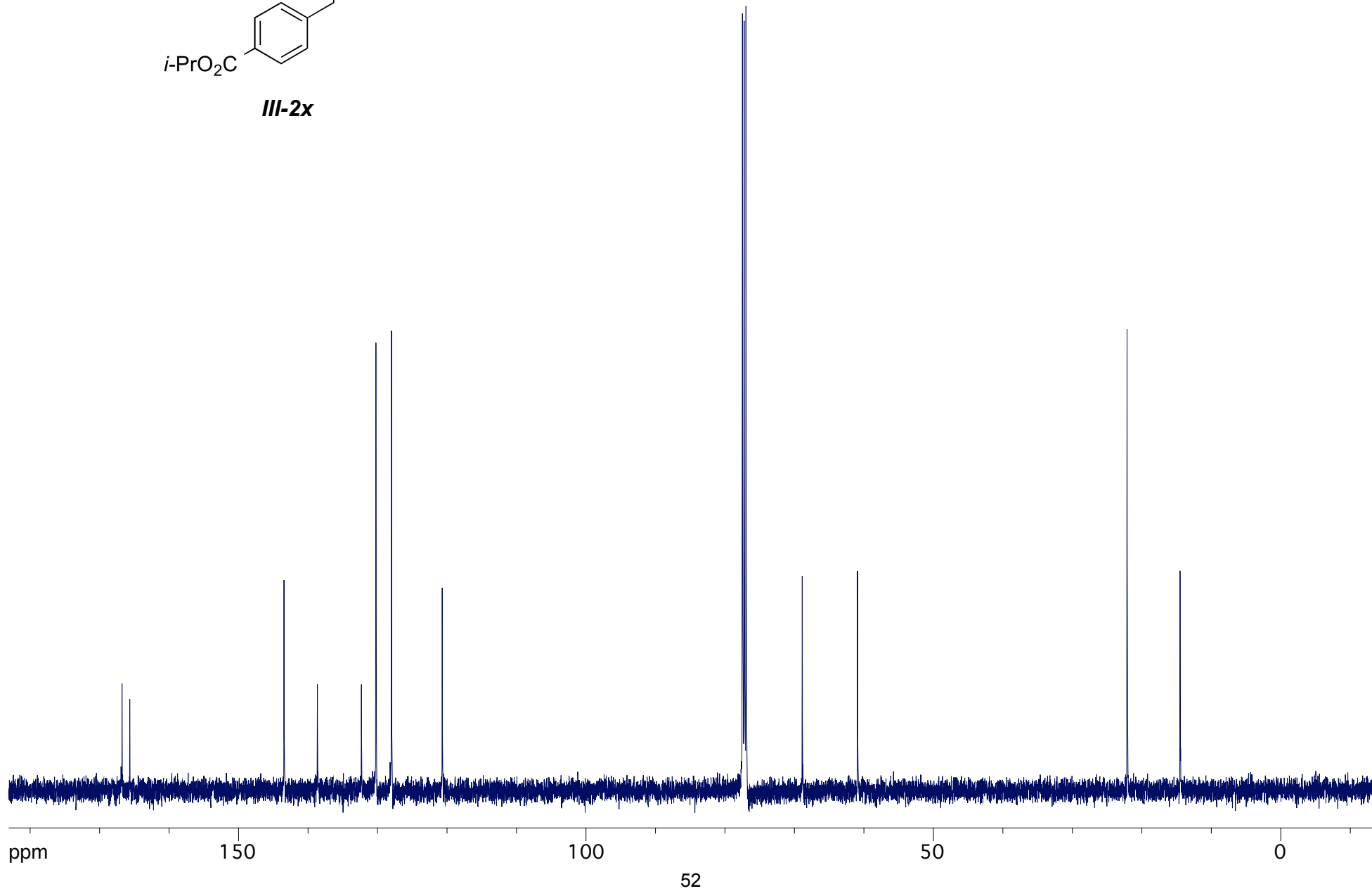
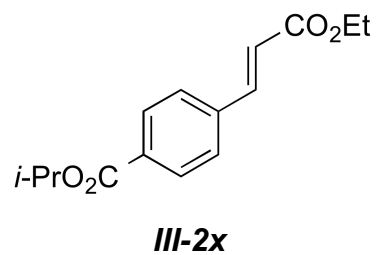
III-2w

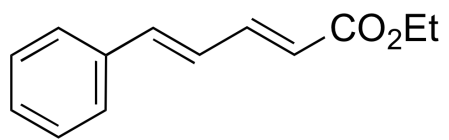




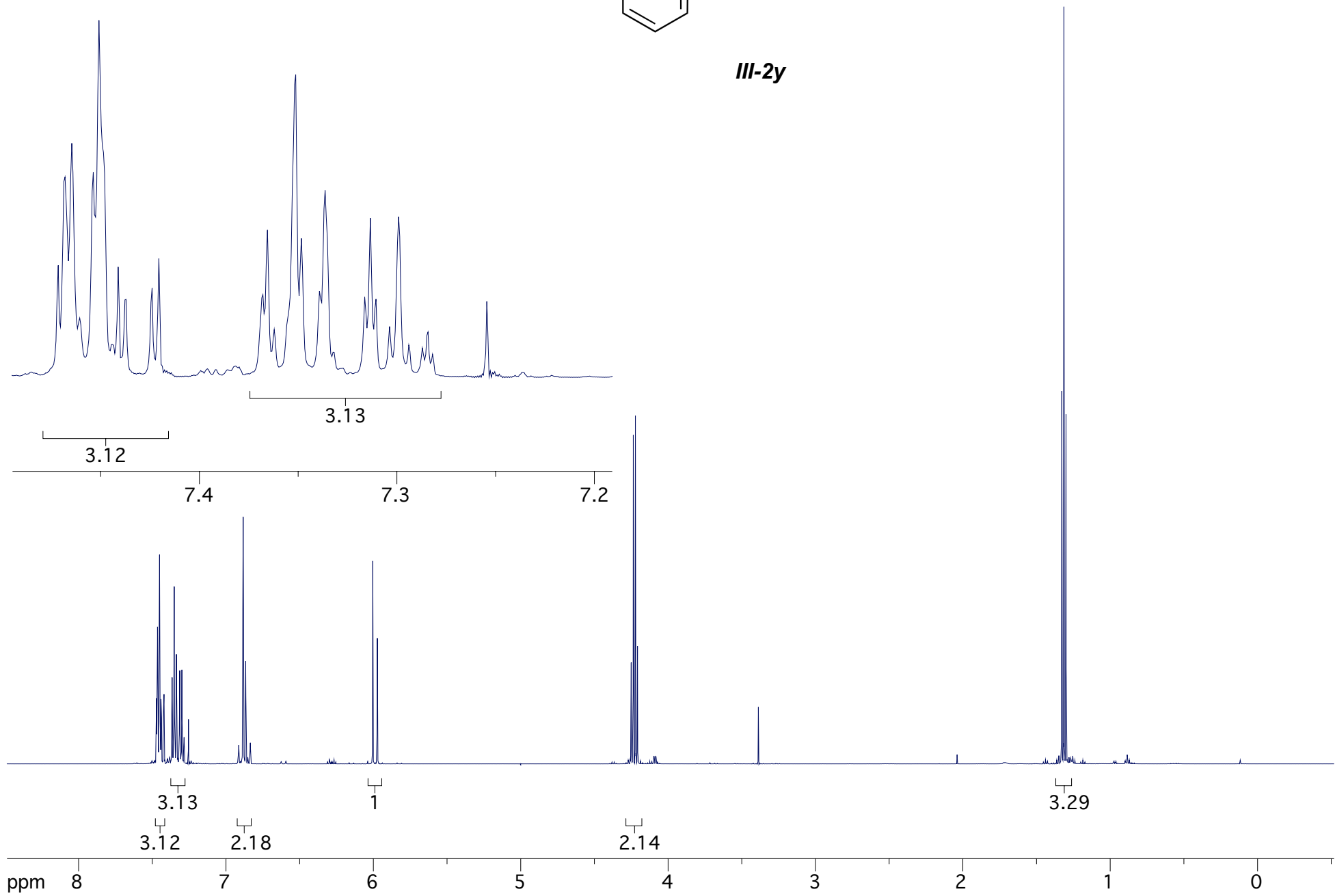
III-2x

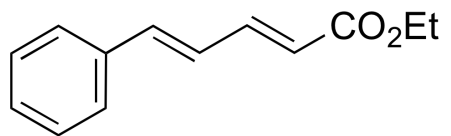




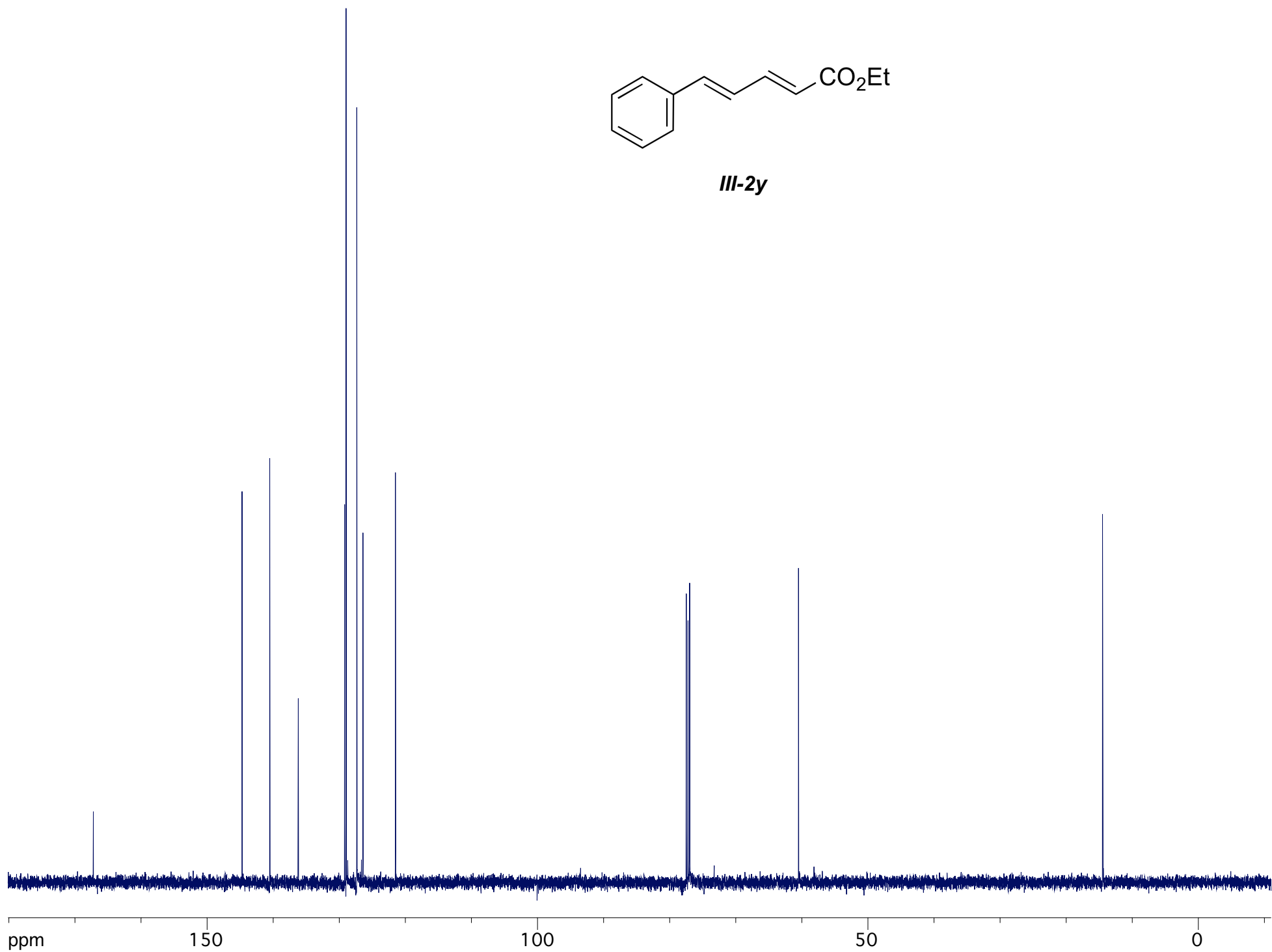


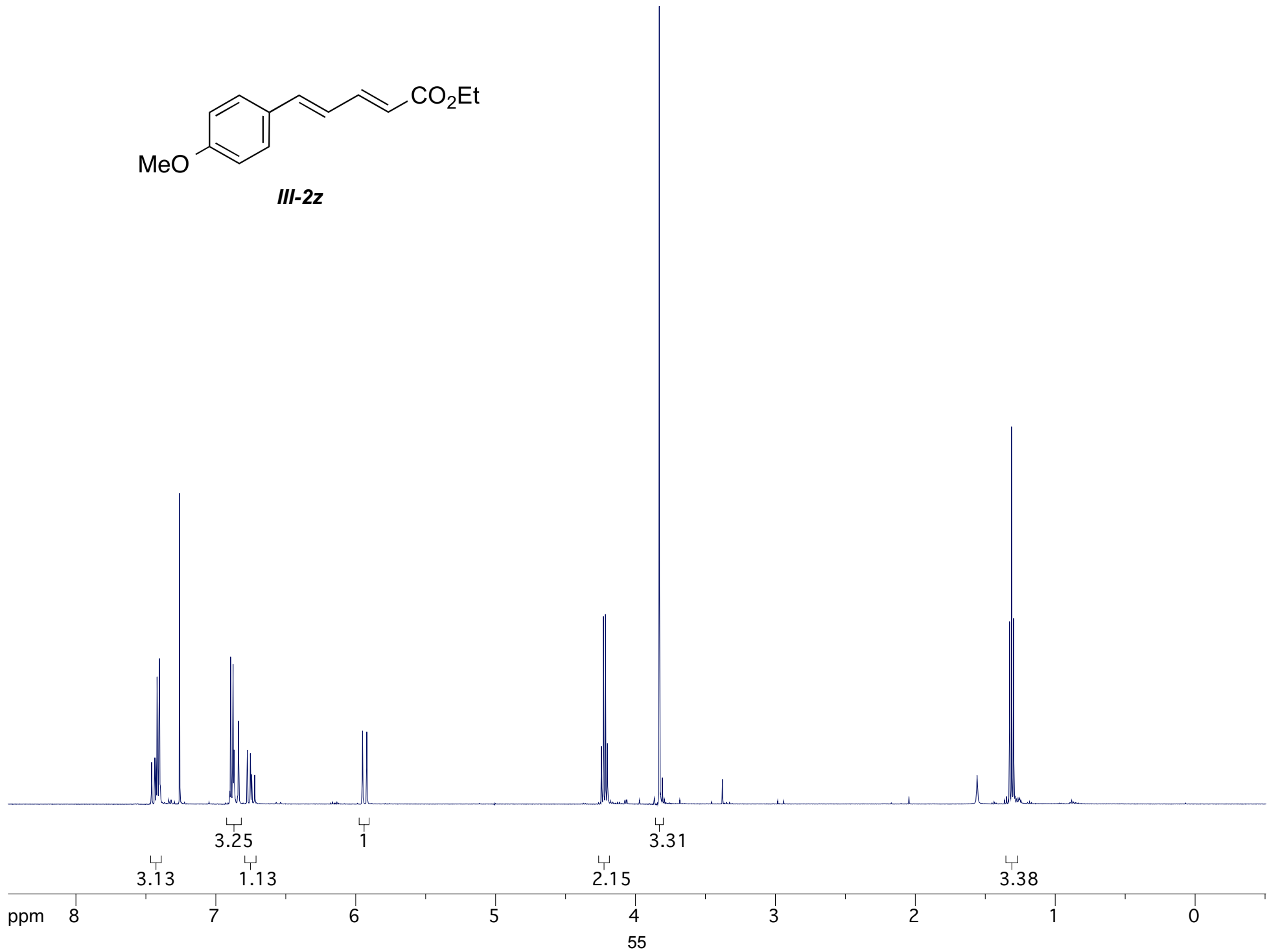
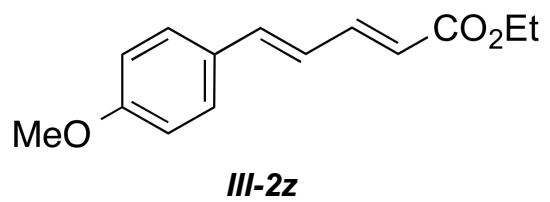
III-2y

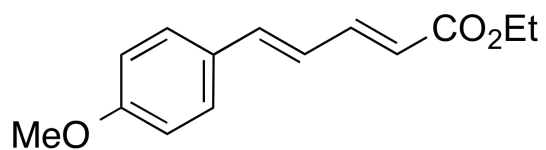




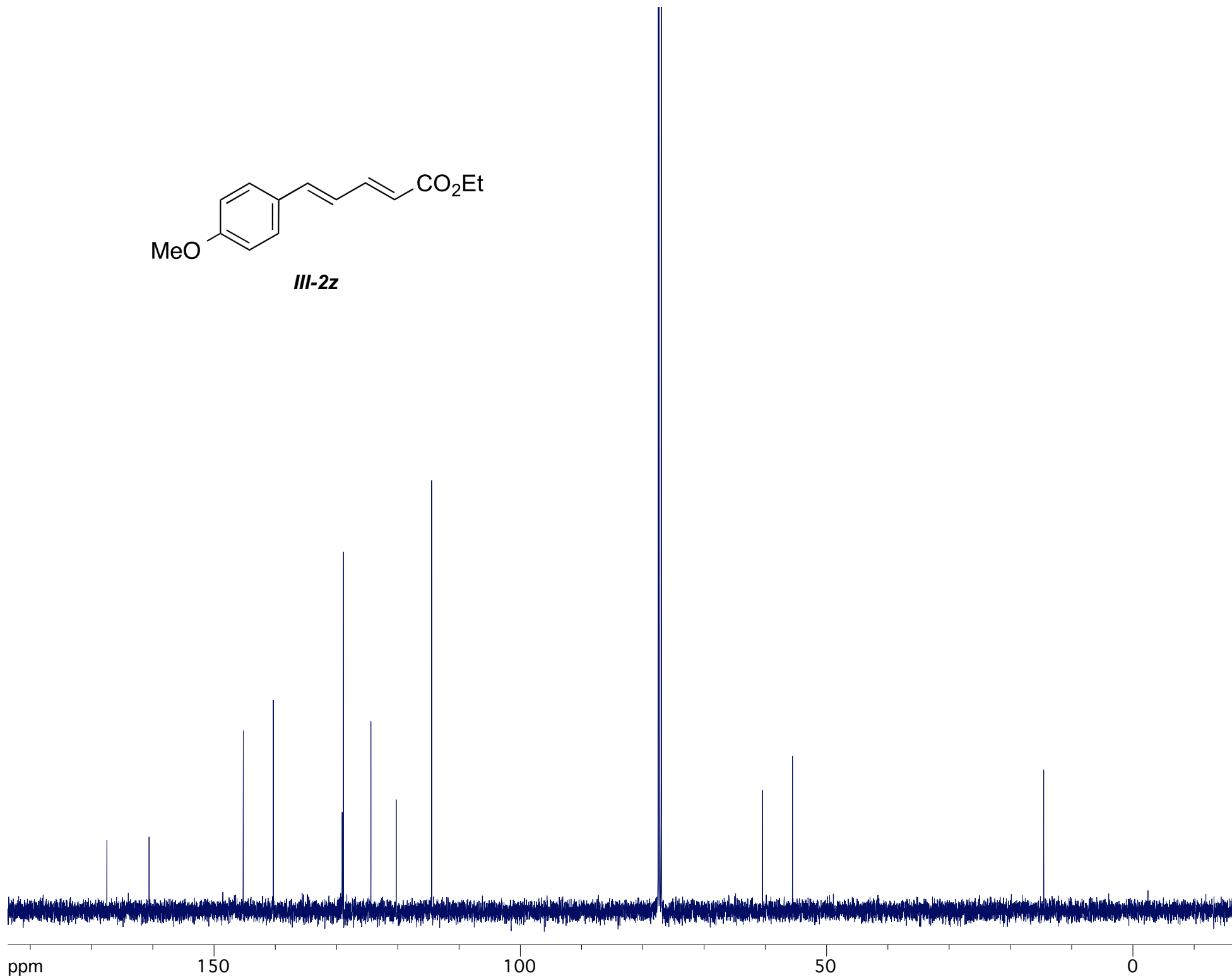
III-2y

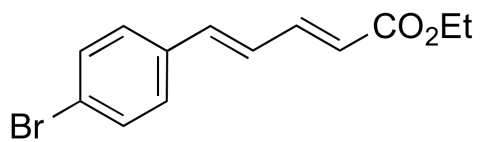




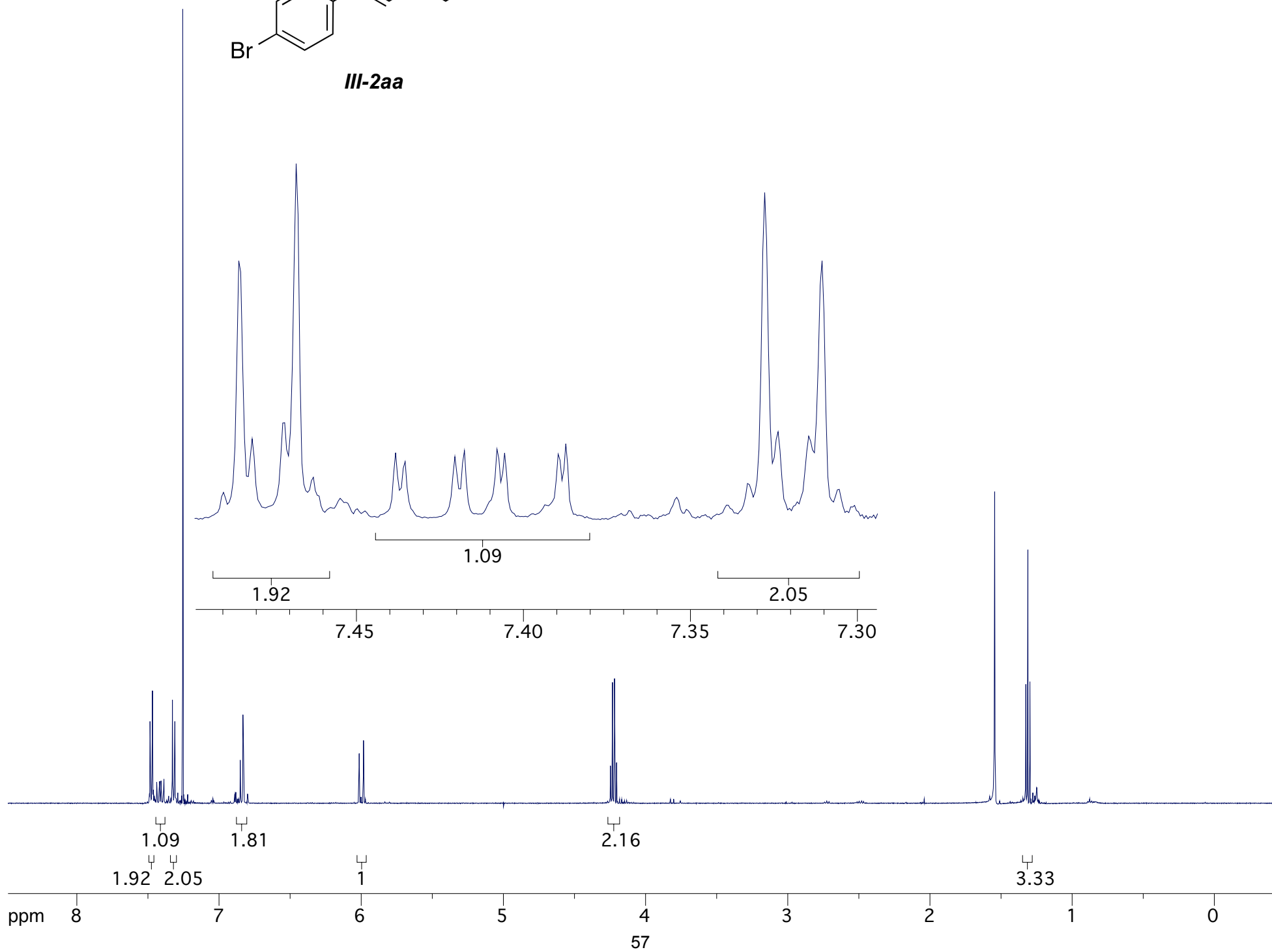


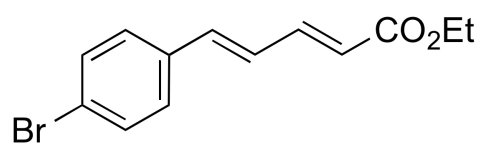
III-2z



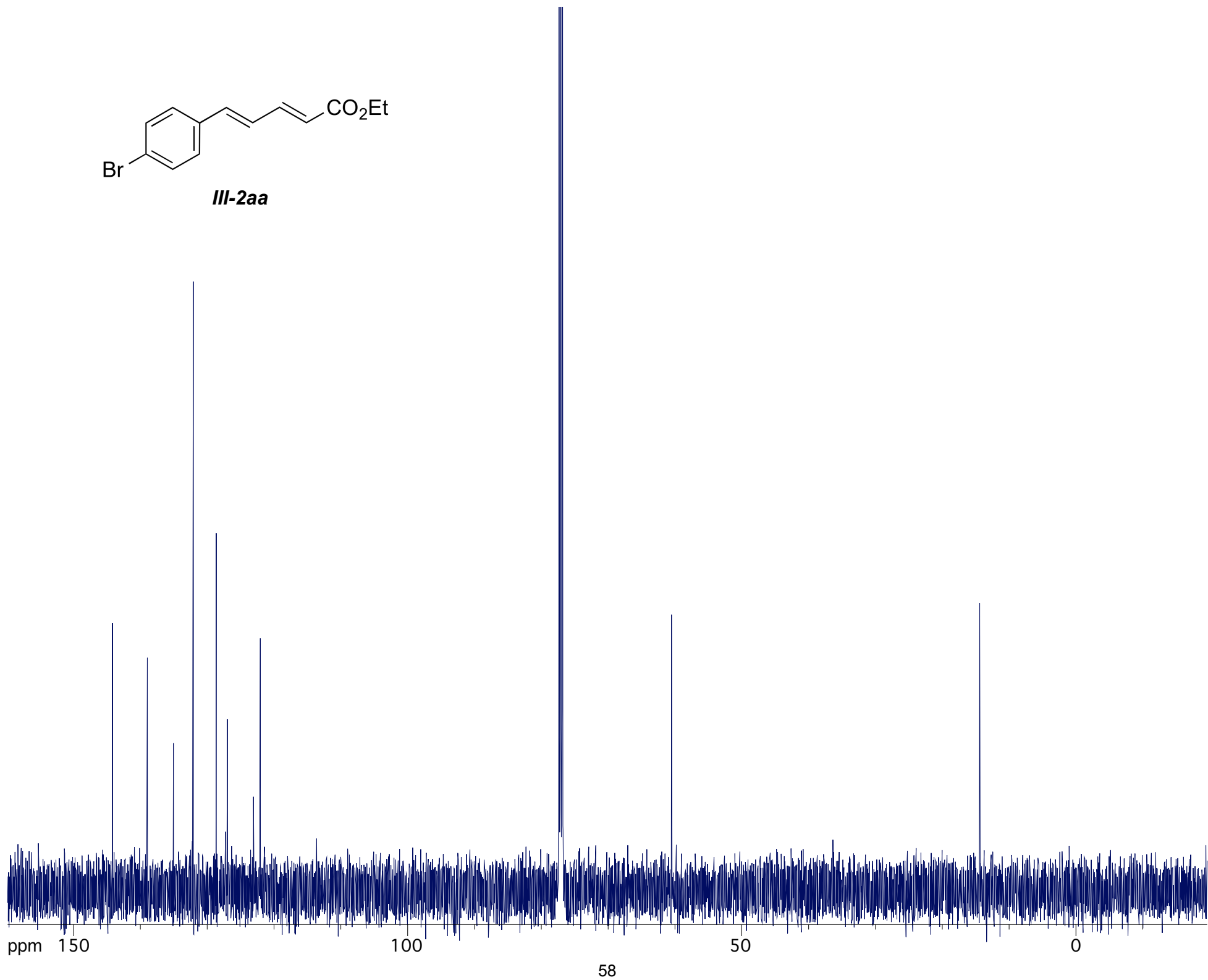


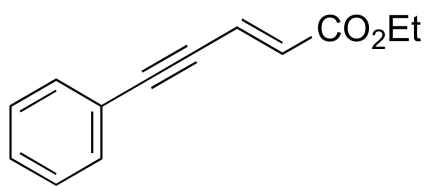
III-2aa



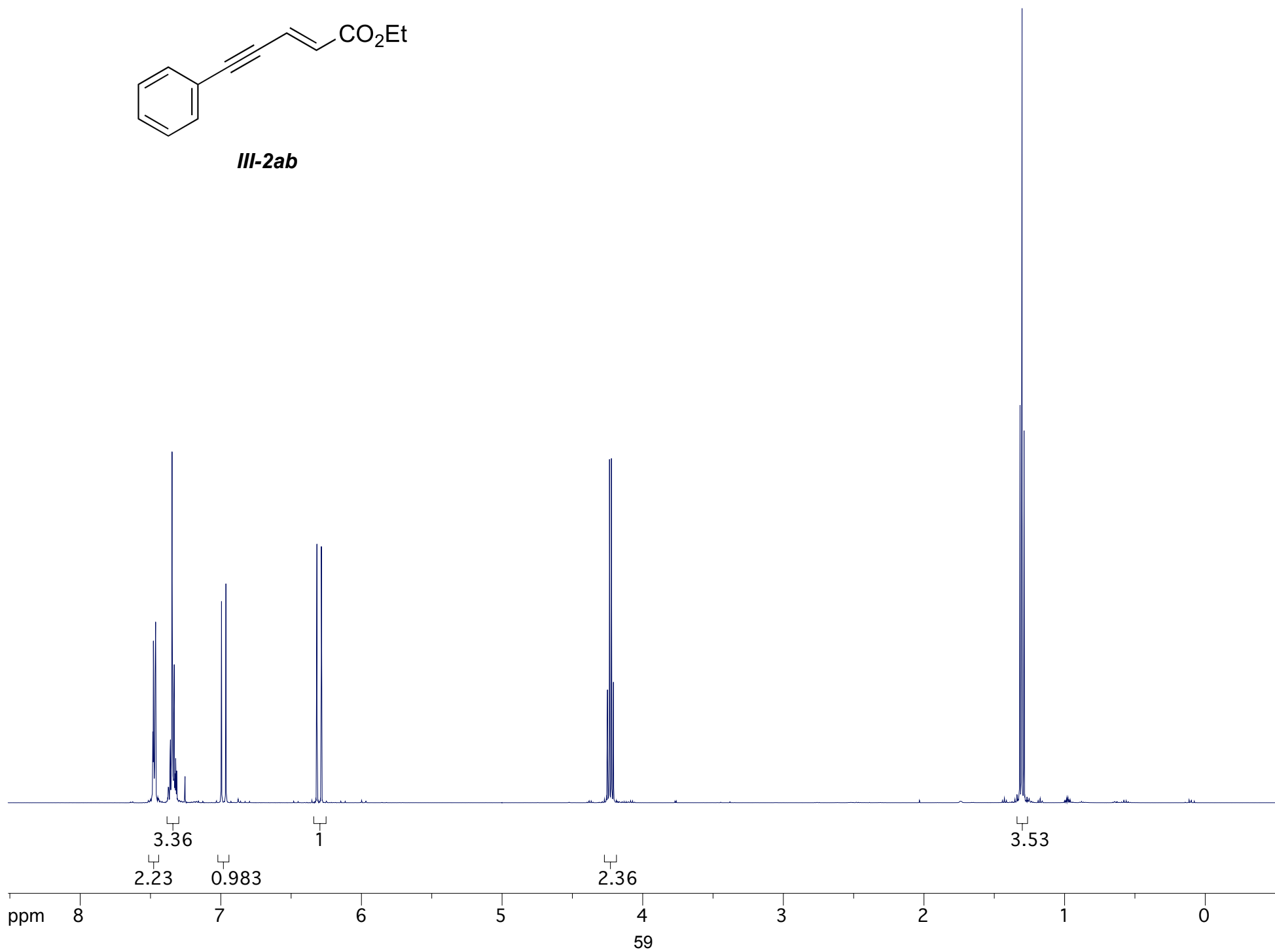


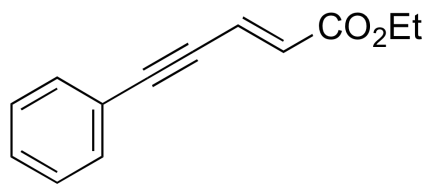
III-2aa



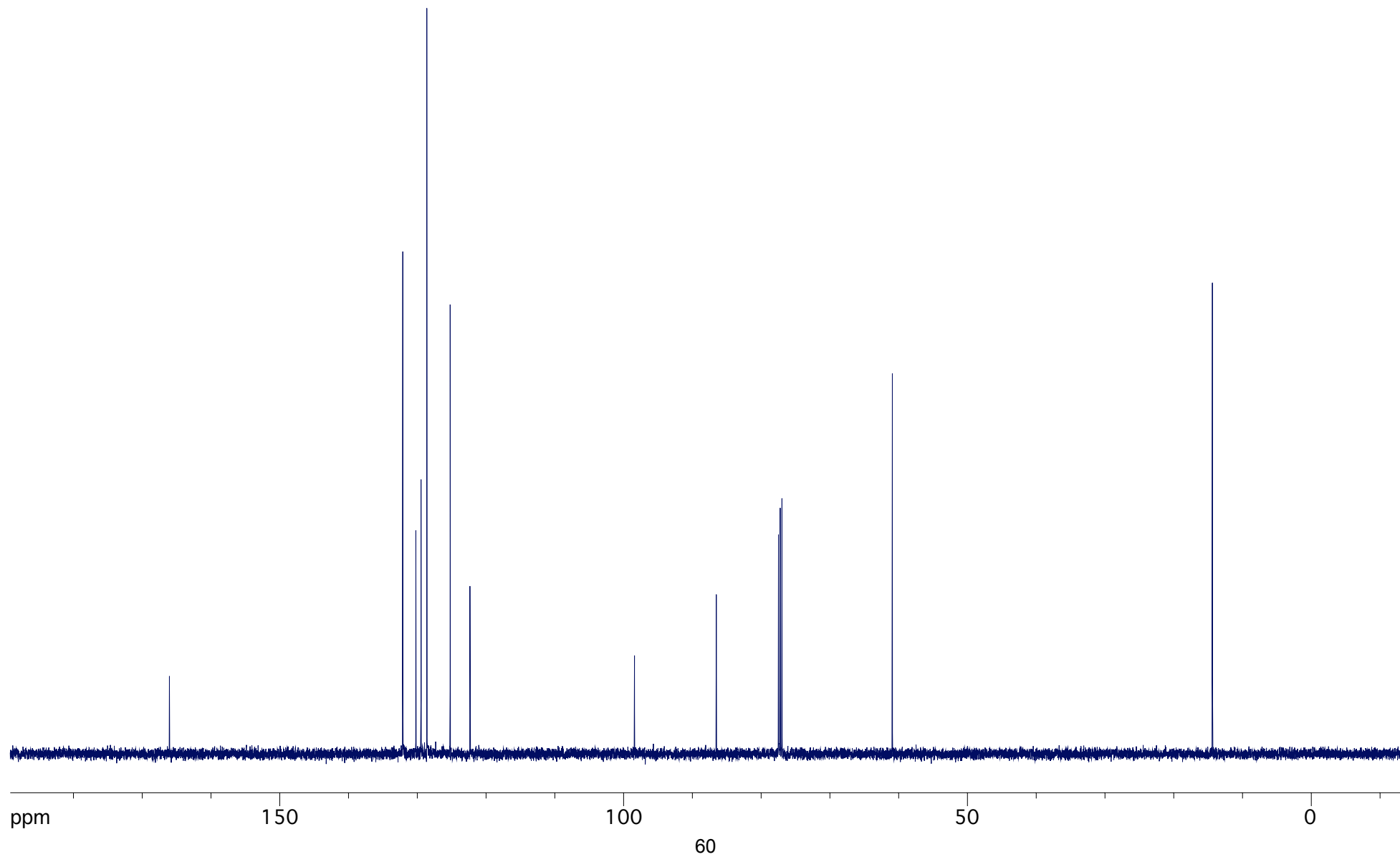


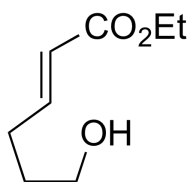
III-2ab



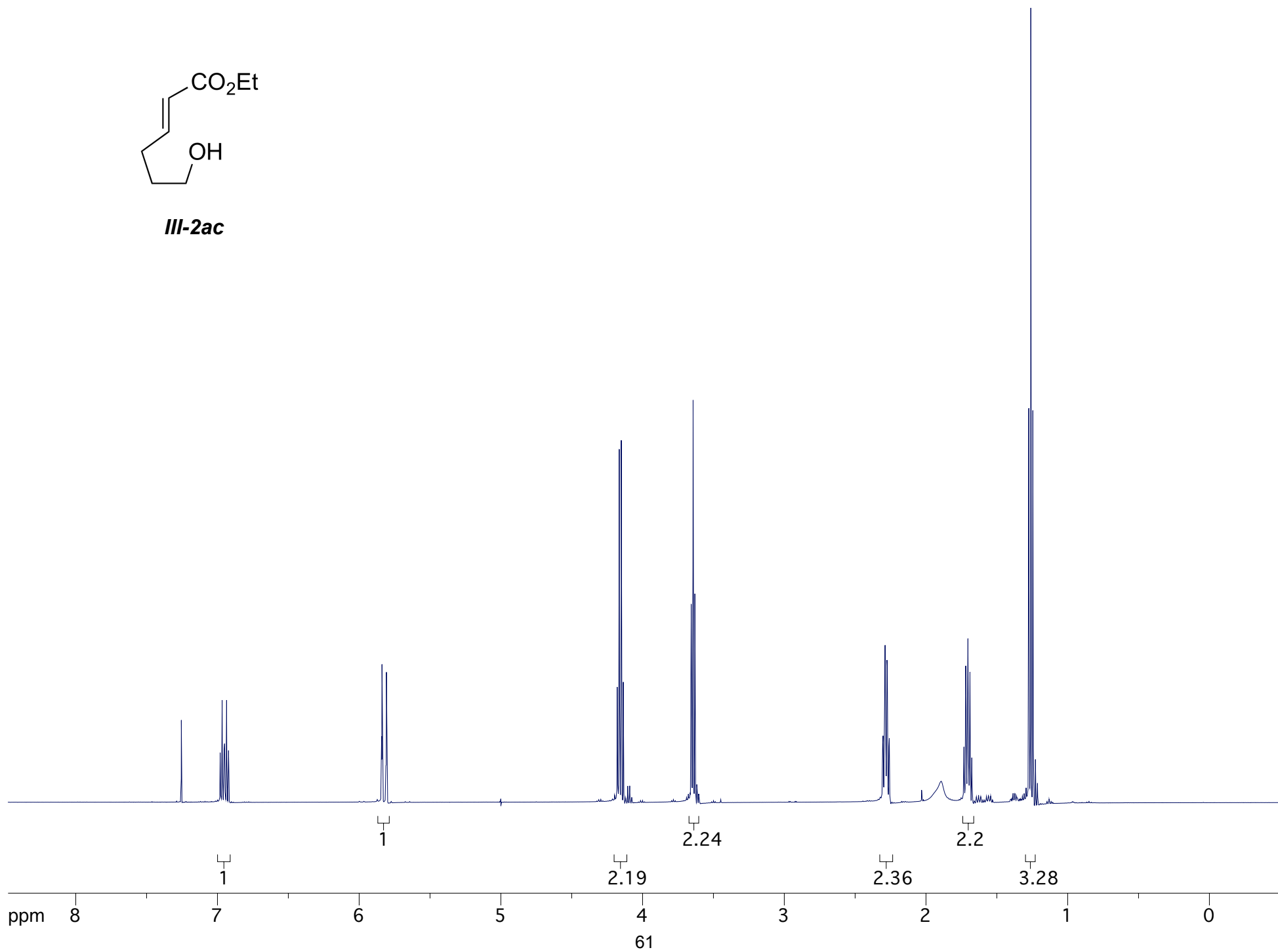


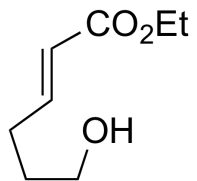
III-2ab



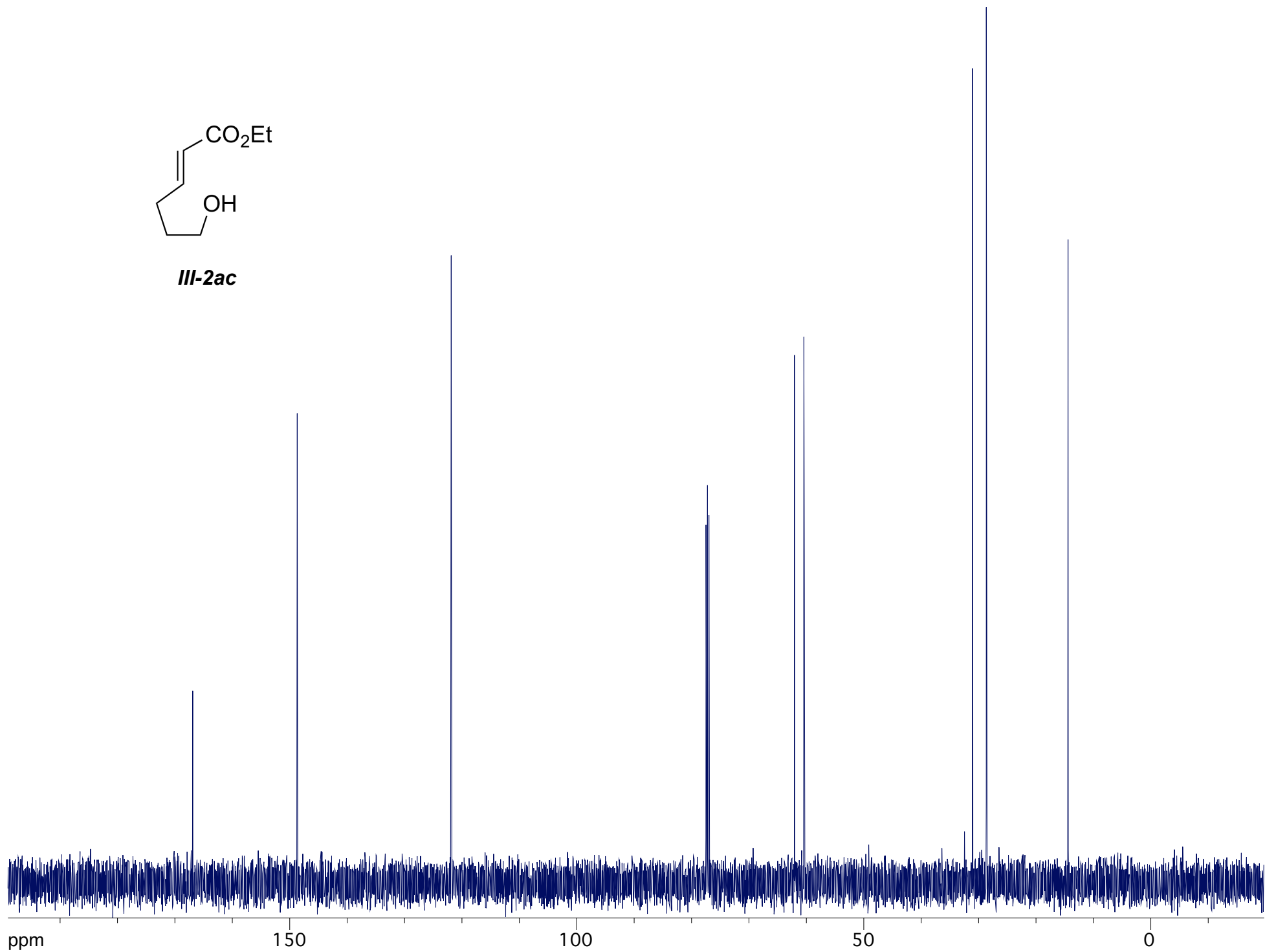


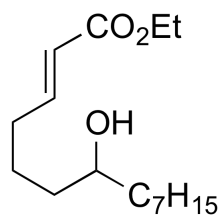
III-2ac



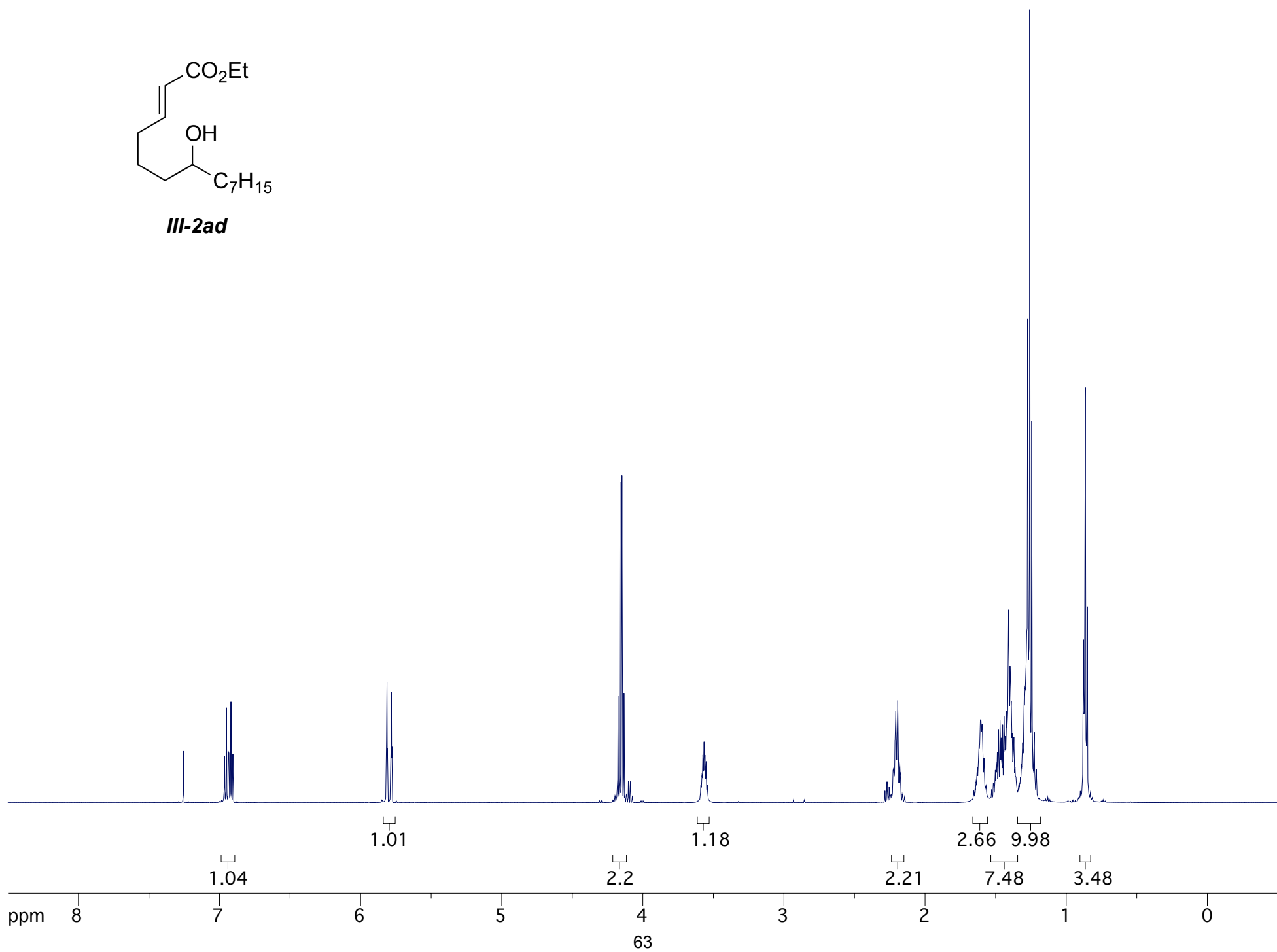


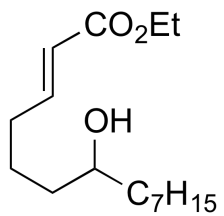
III-2ac



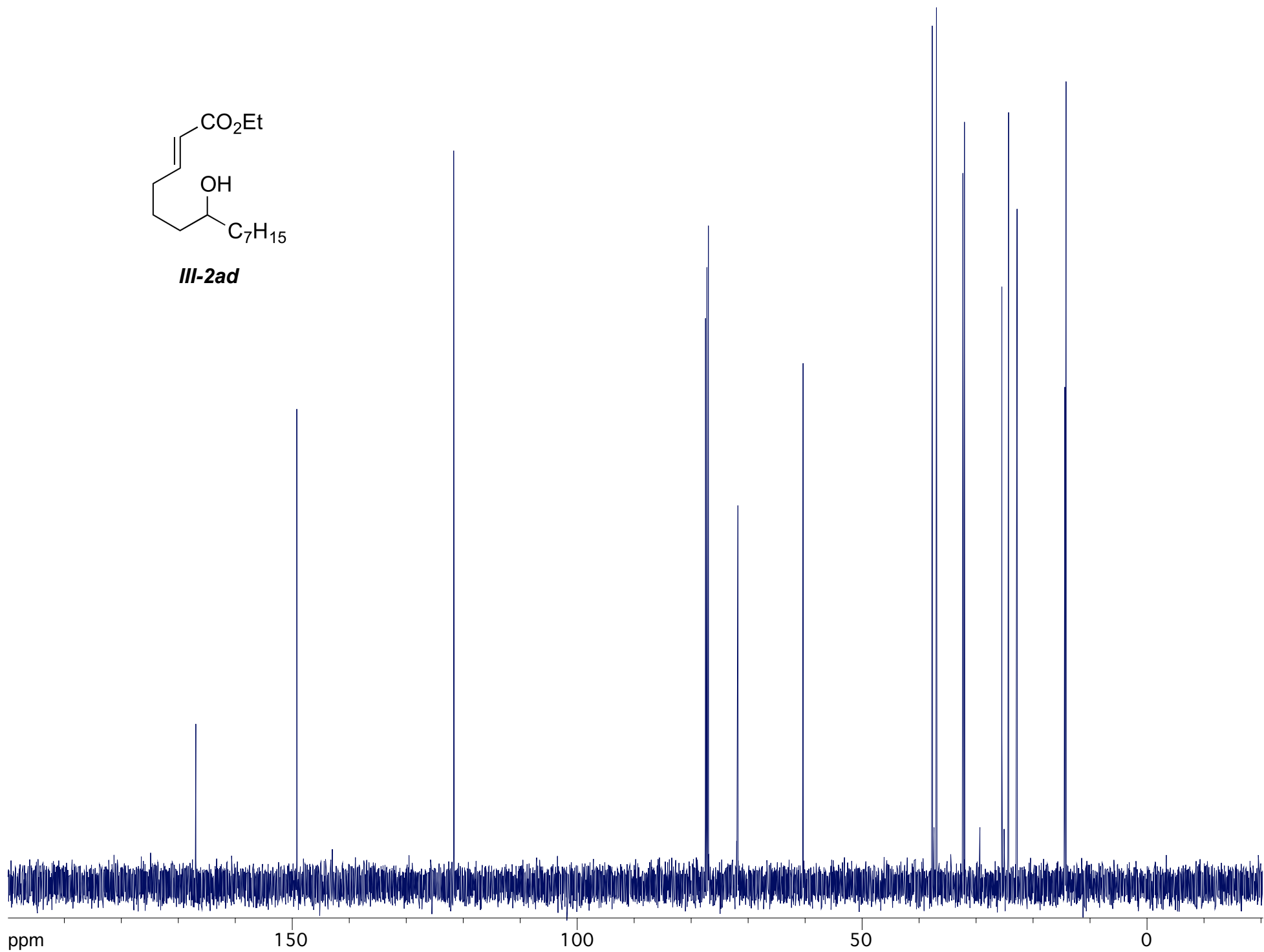


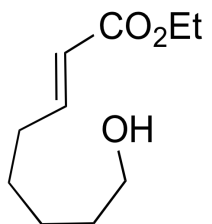
III-2ad



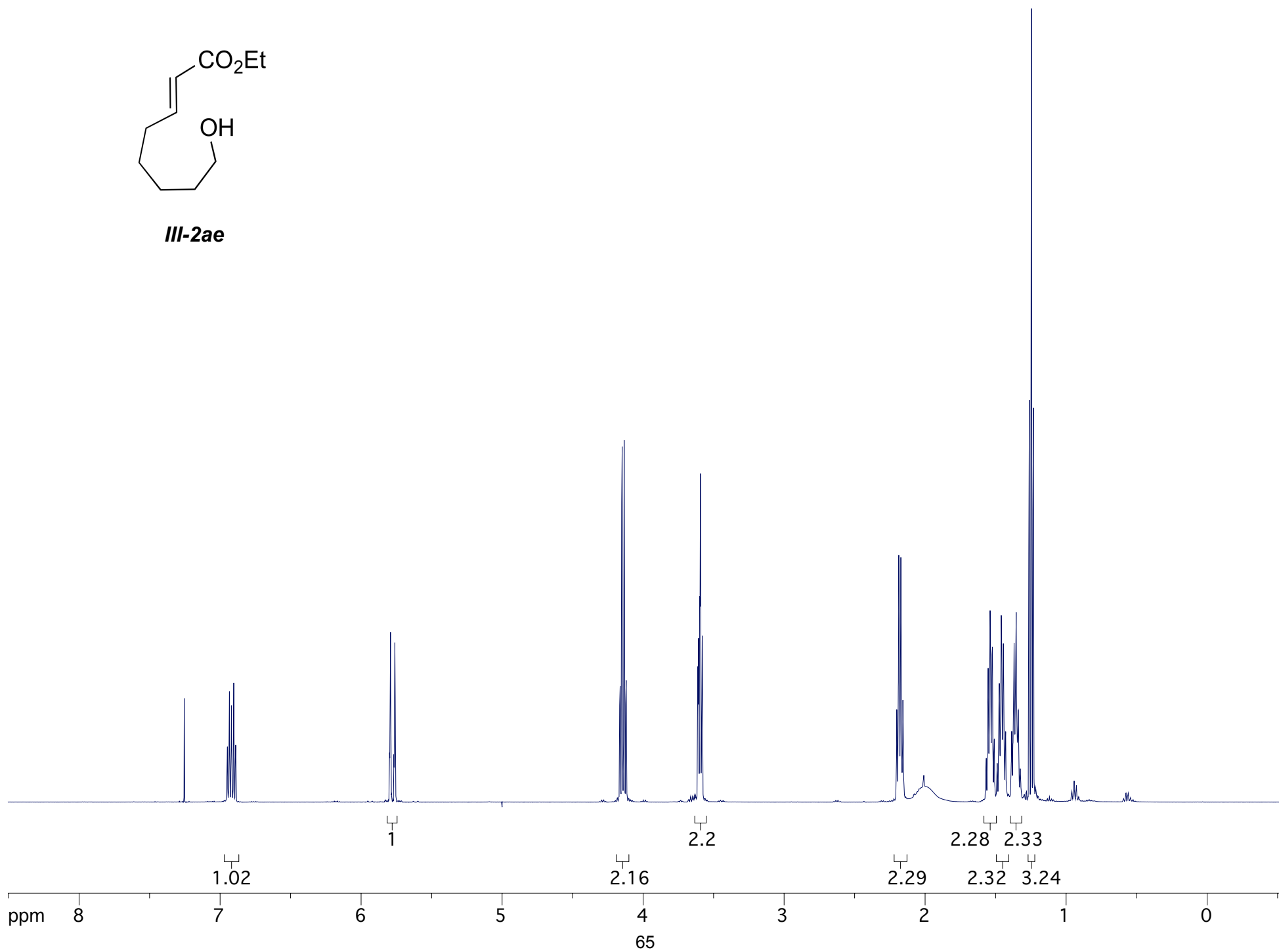


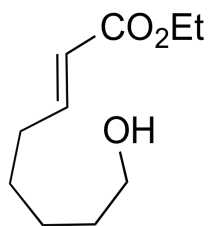
III-2ad



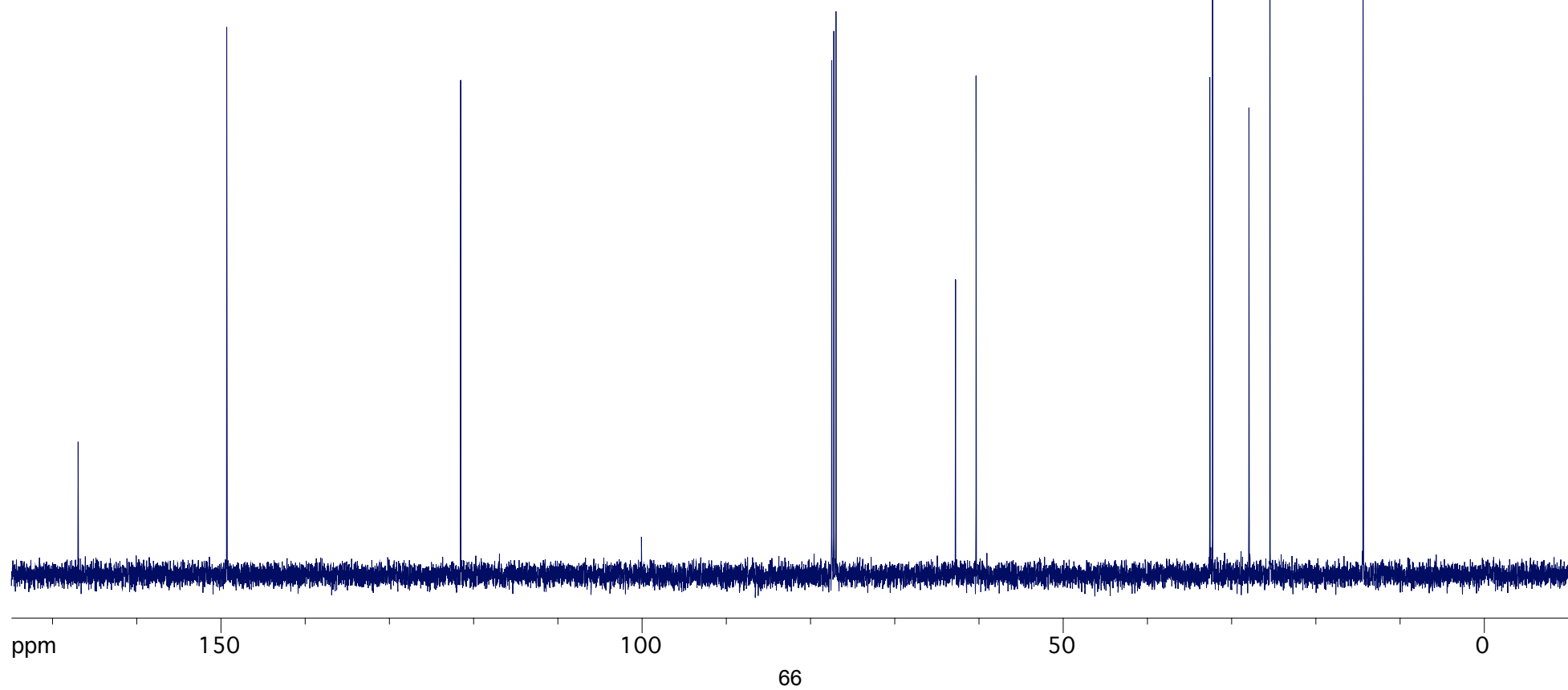


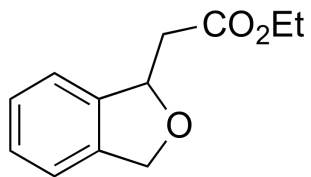
III-2ae



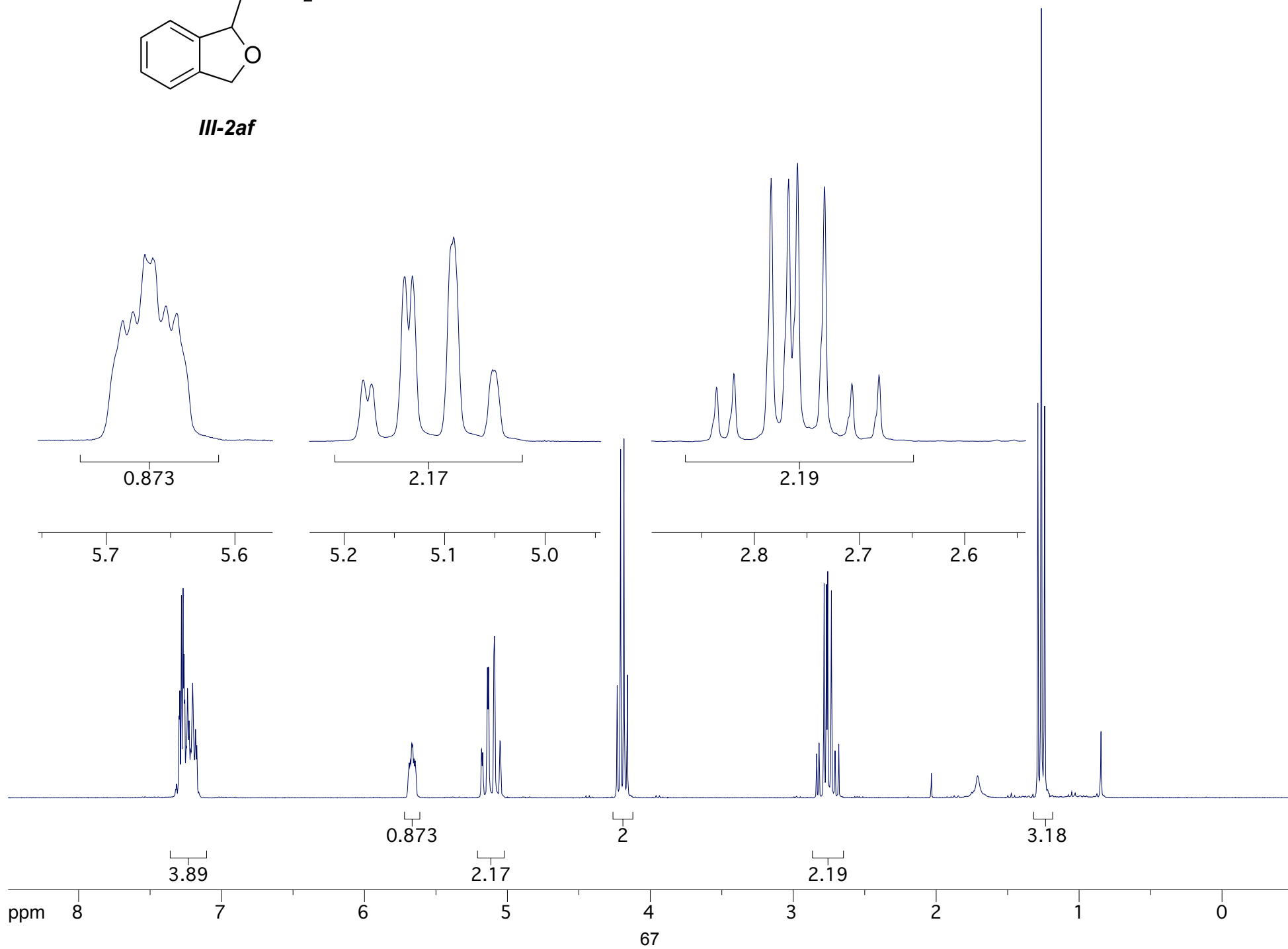


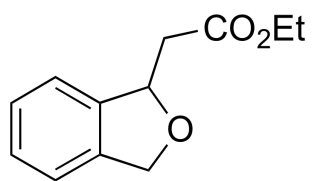
III-2ae



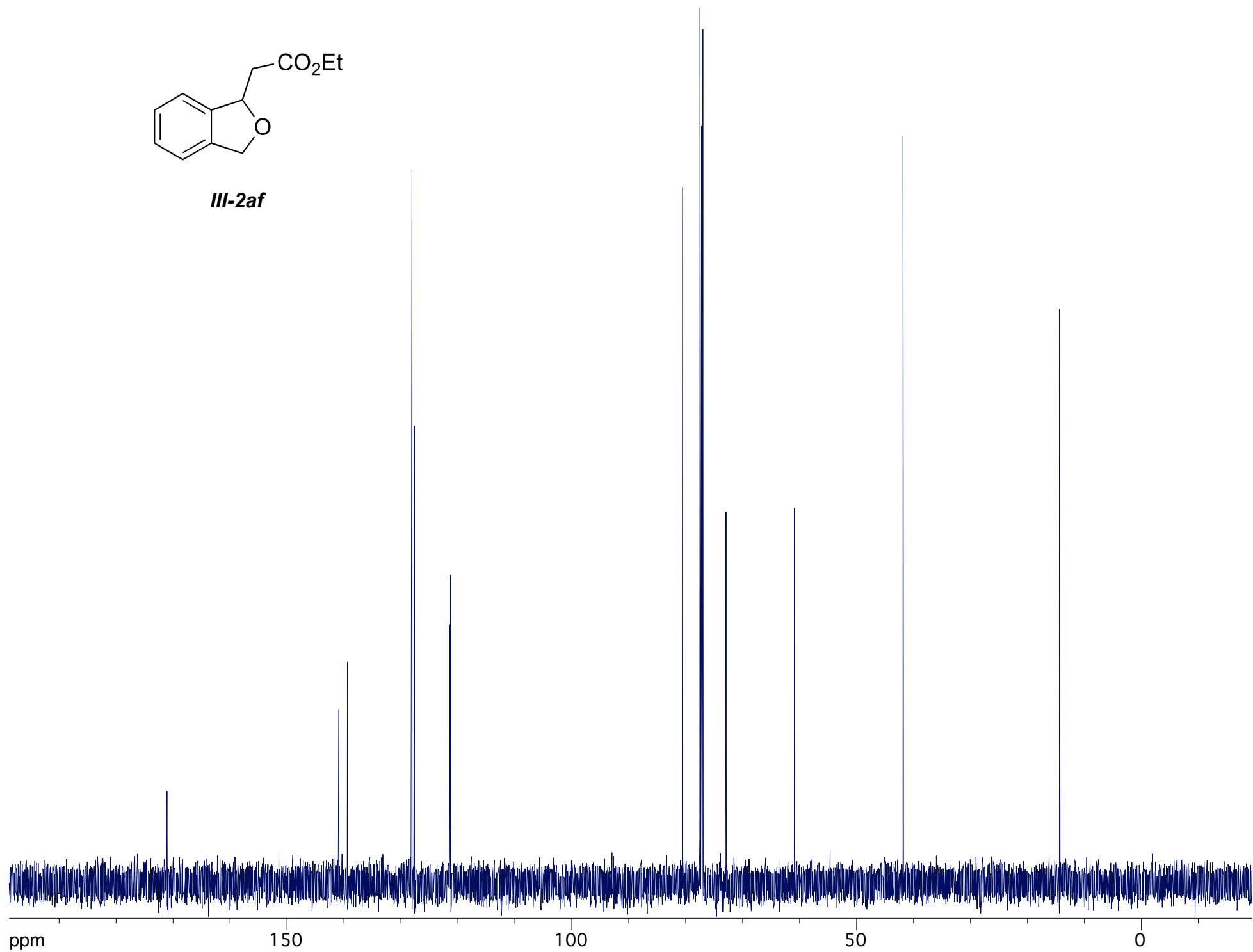


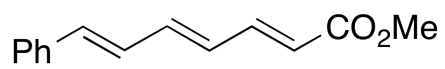
III-2af



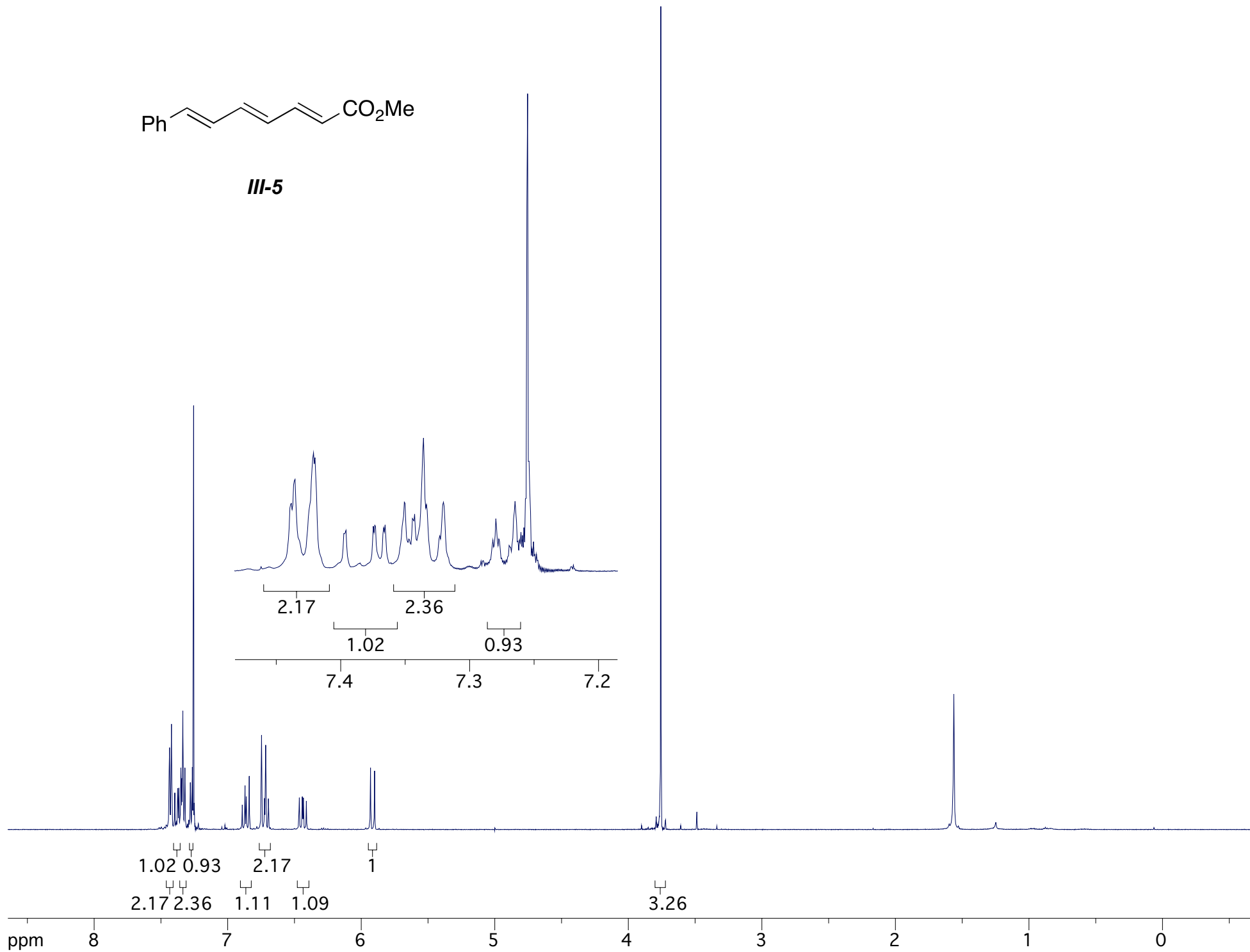


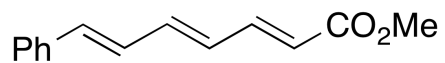
III-2af





III-5





III-5

