

**Solvent Interception, Heterocyclization and Desilylation upon NBS-induced Sulfamidation of
Trimethyl(vinyl)silane**

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Federation, bagrat@irioch.irk.ru.

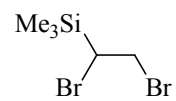
Electronic supplementary information

Copies of ^1H and ^{13}C NMR spectra of all compounds

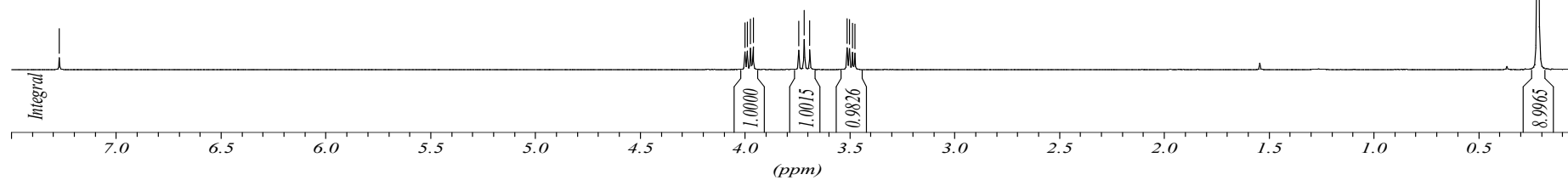
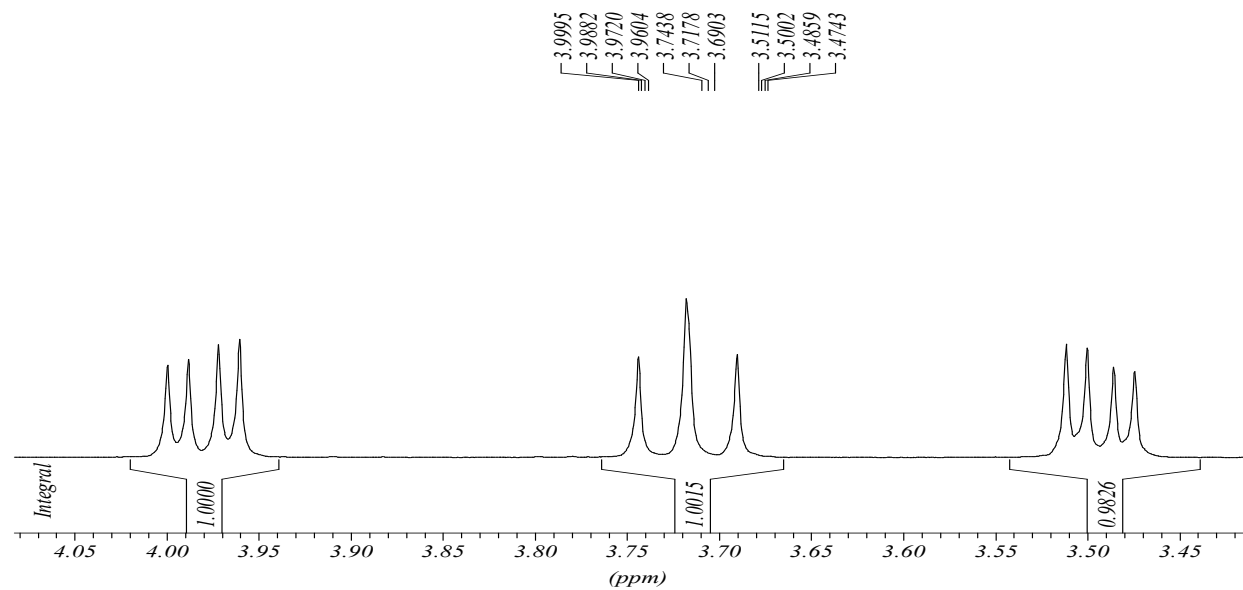
Copies of ^1H and ^{13}C NMR spectra of all compounds

^1H NMR spectrum of compound **2**

(1,2-Dibromoethyl)trimethylsilane, **2**

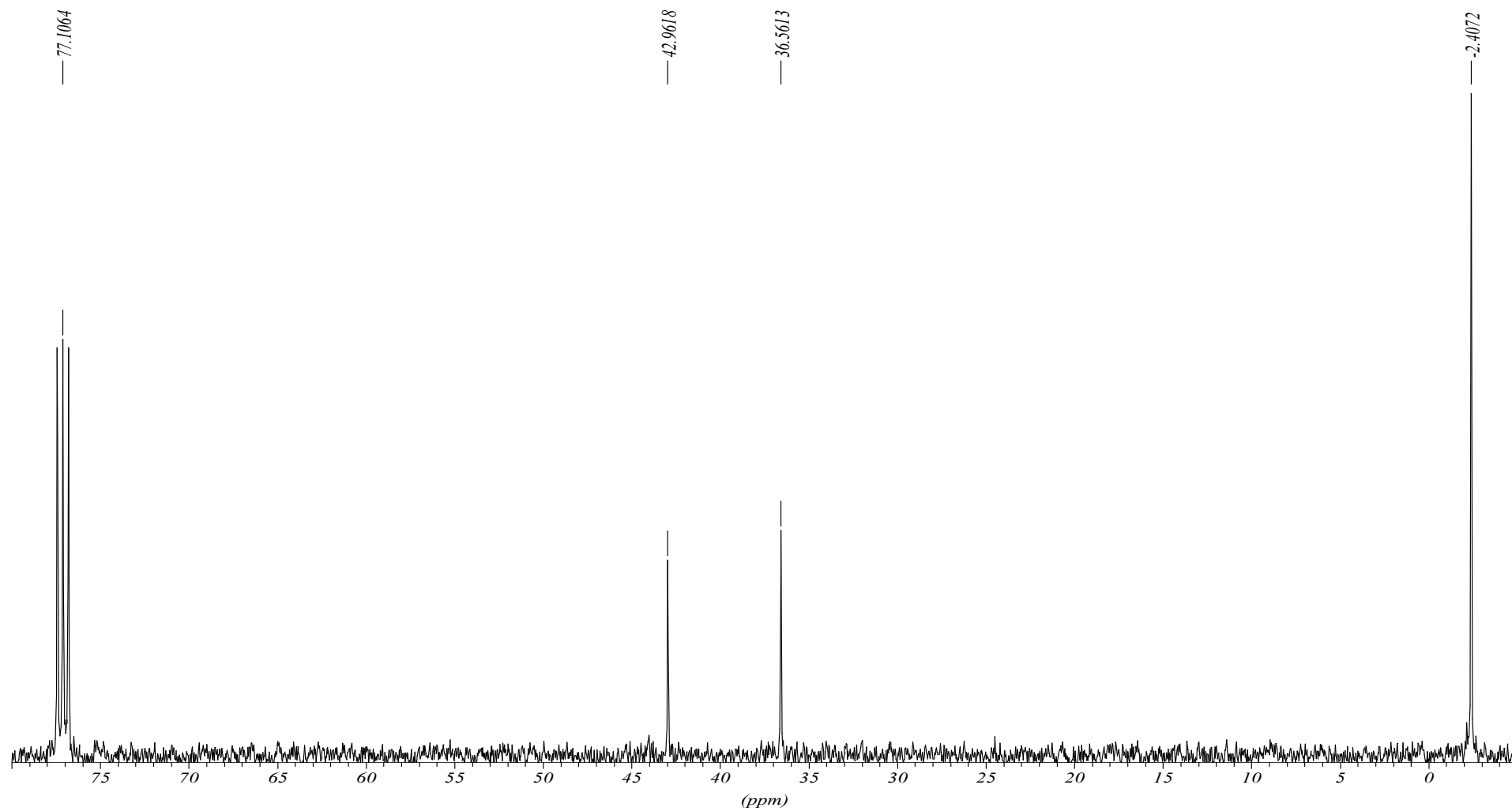
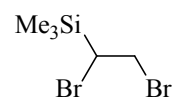


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3.4743



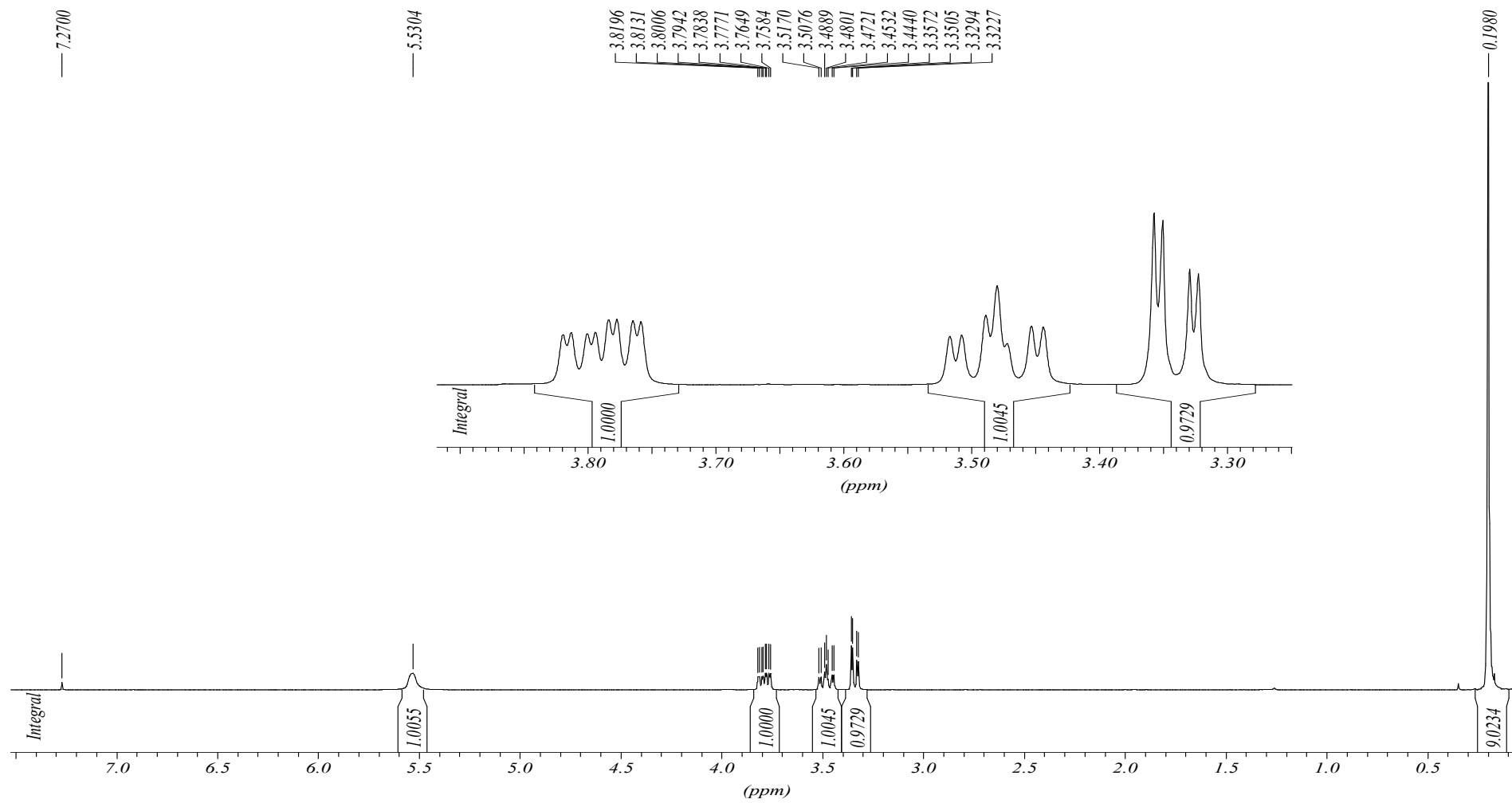
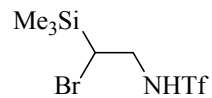
^{13}C NMR spectrum of compound **2**

(1,2-Dibromoethyl)trimethylsilane, 2.



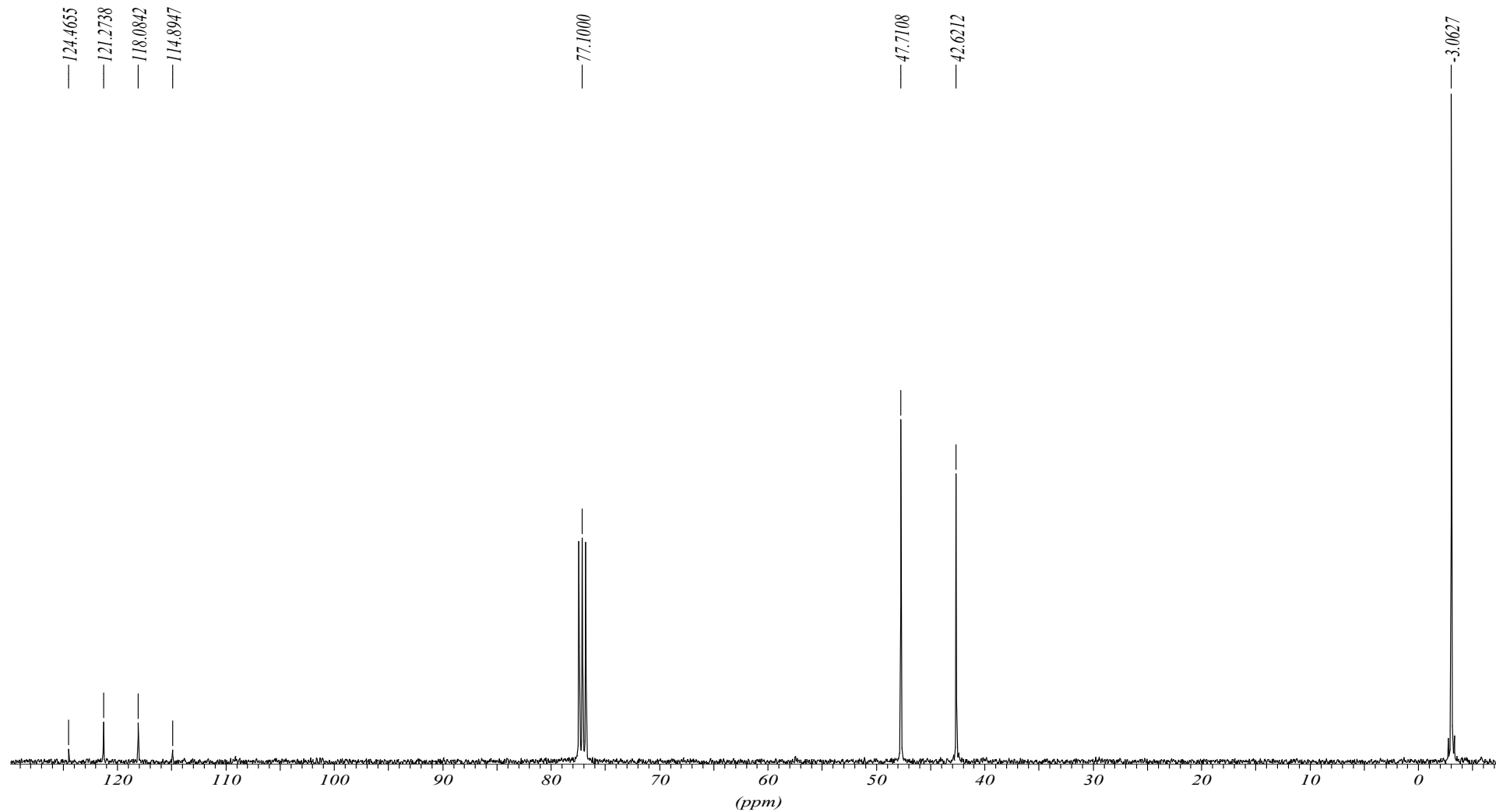
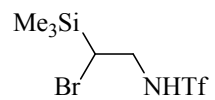
^1H NMR spectrum of compound **3a**

N-(2-bromo-2-(trimethylsilyl)ethyl)-1,1,1-trifluoromethanesulfonamide, **3a**.



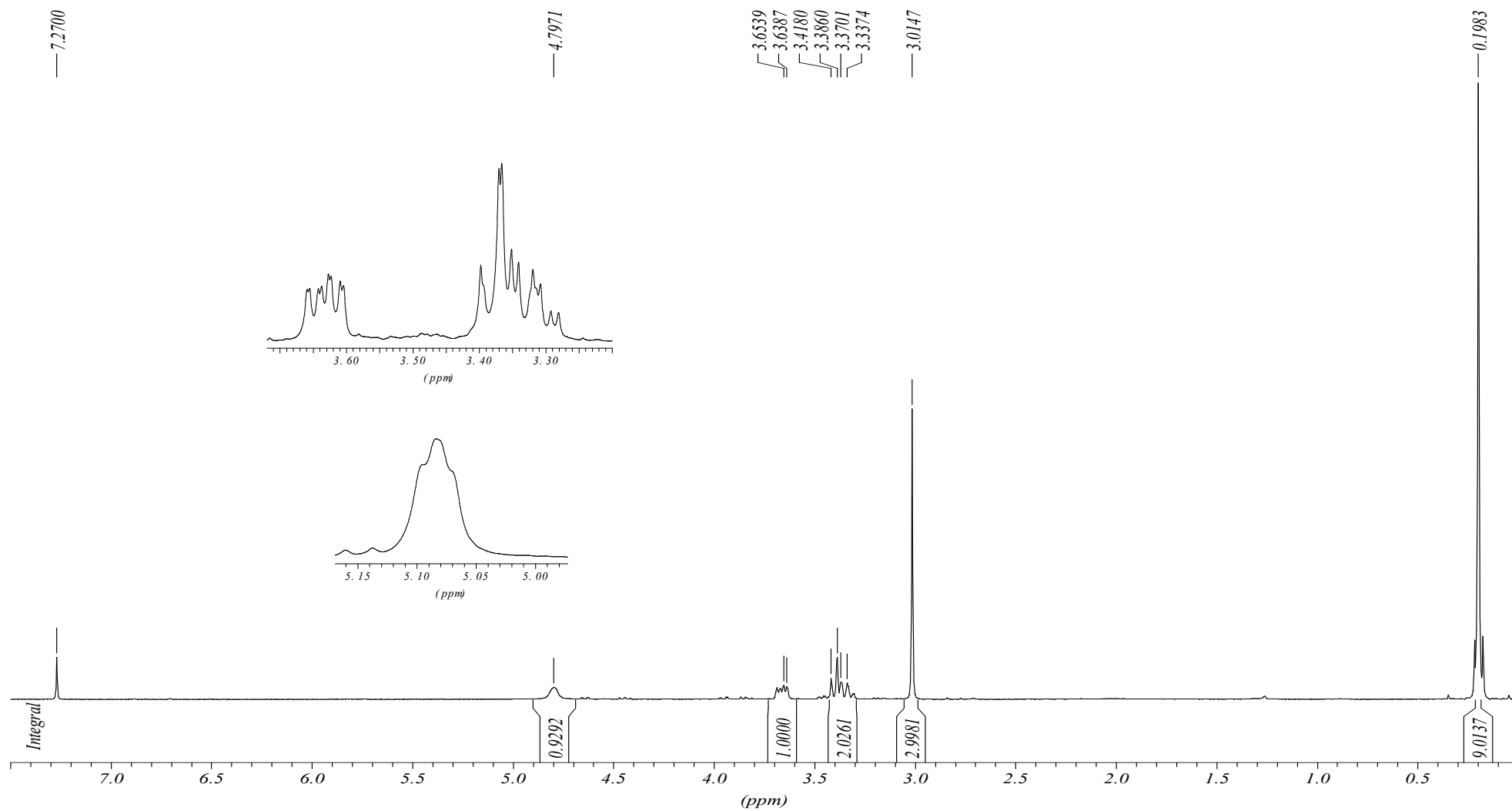
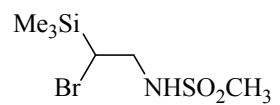
¹³C NMR spectrum of compound, **3a**

N-(2-bromo-2-(trimethylsilyl)ethyl)-1,1,1-trifluoromethanesulfonamide, **3a**.



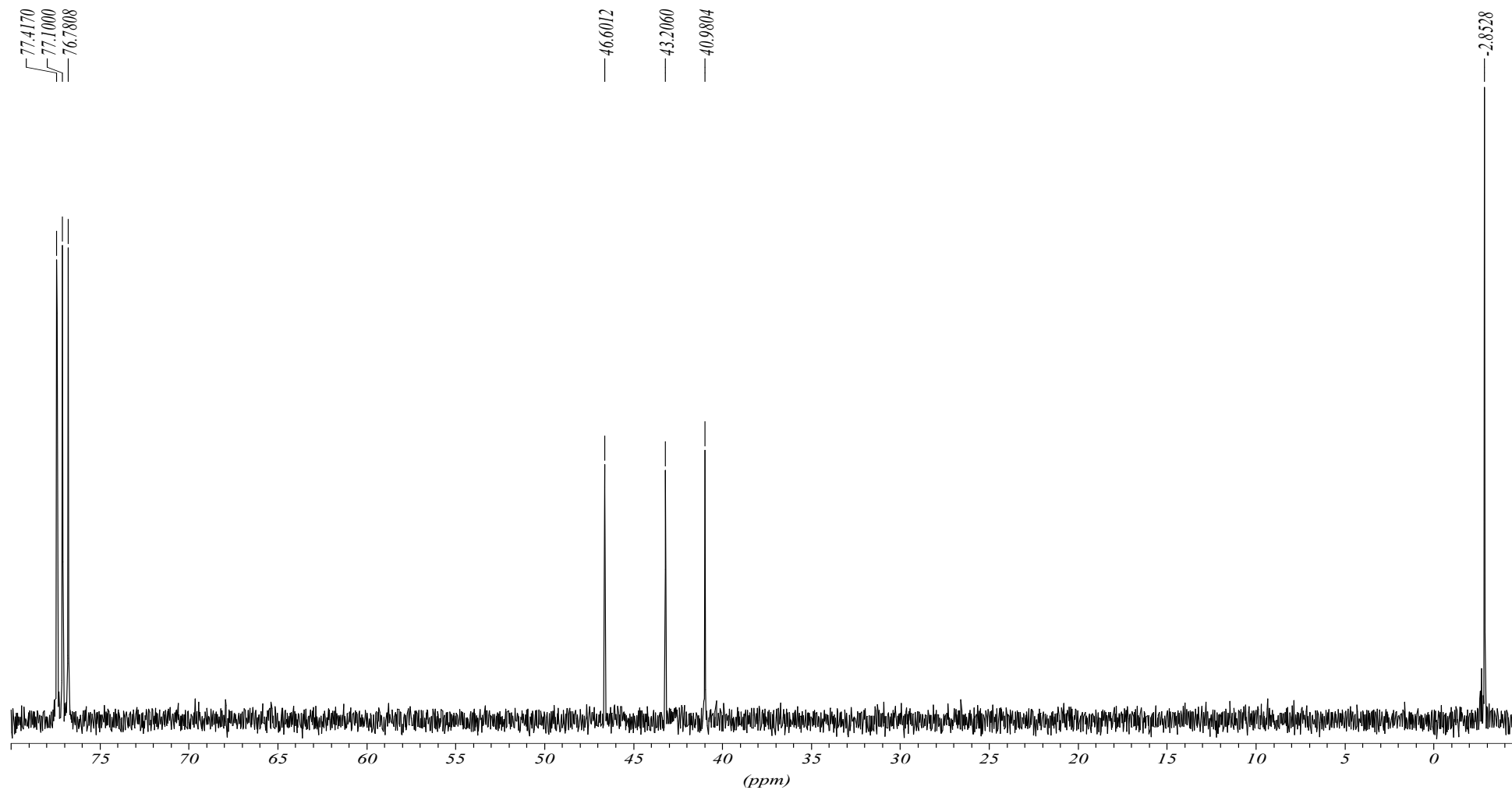
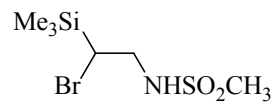
¹H NMR spectrum of compound **3b**

N-(2-bromo-2-(trimethylsilyl)ethyl)methanesulfonamide, **3b**.

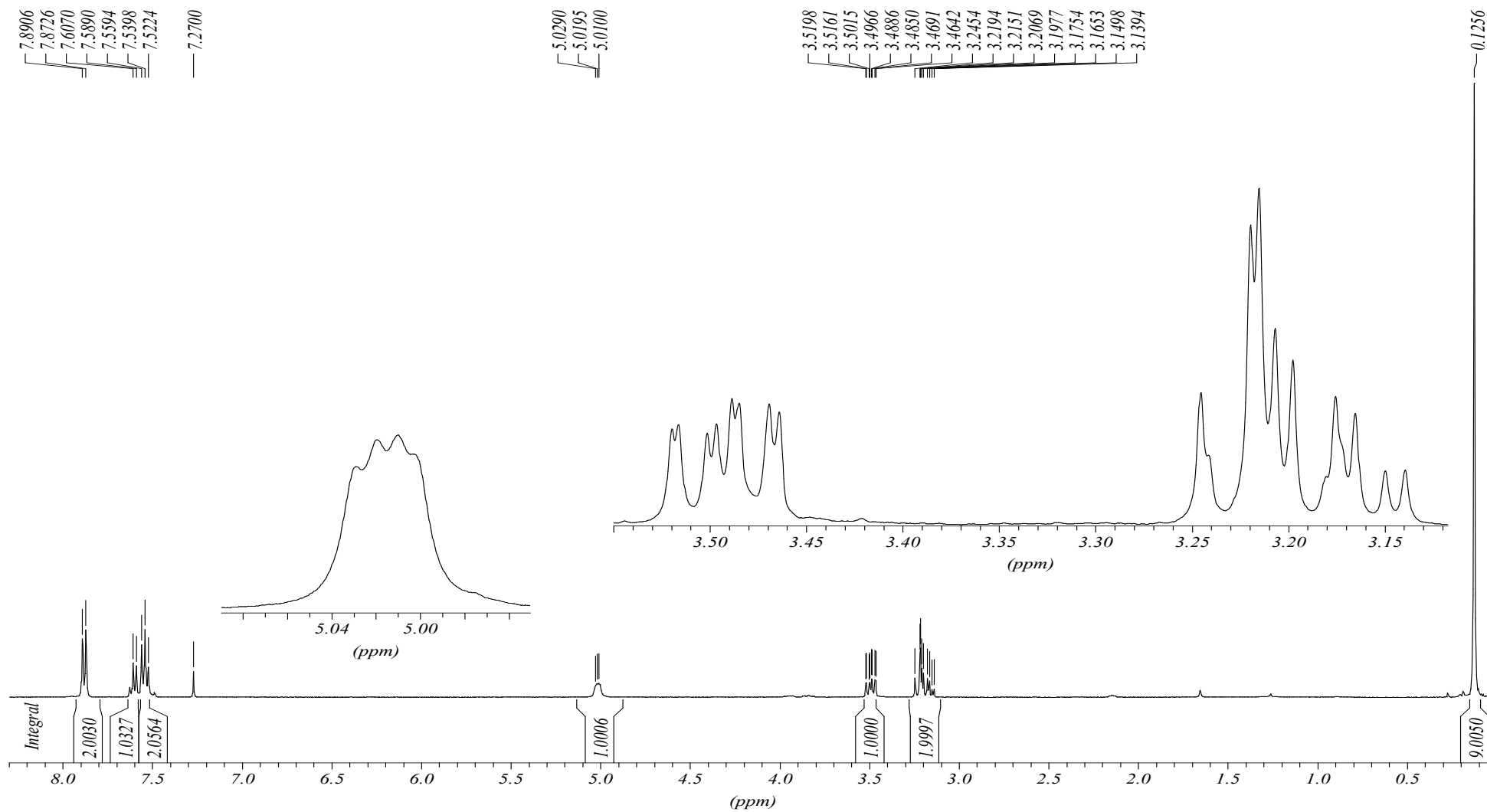
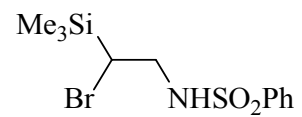


^{13}C NMR spectrum of compound, **3b**

N-(2-bromo-2-(trimethylsilyl)ethyl)methanesulfonamide, **3b**.

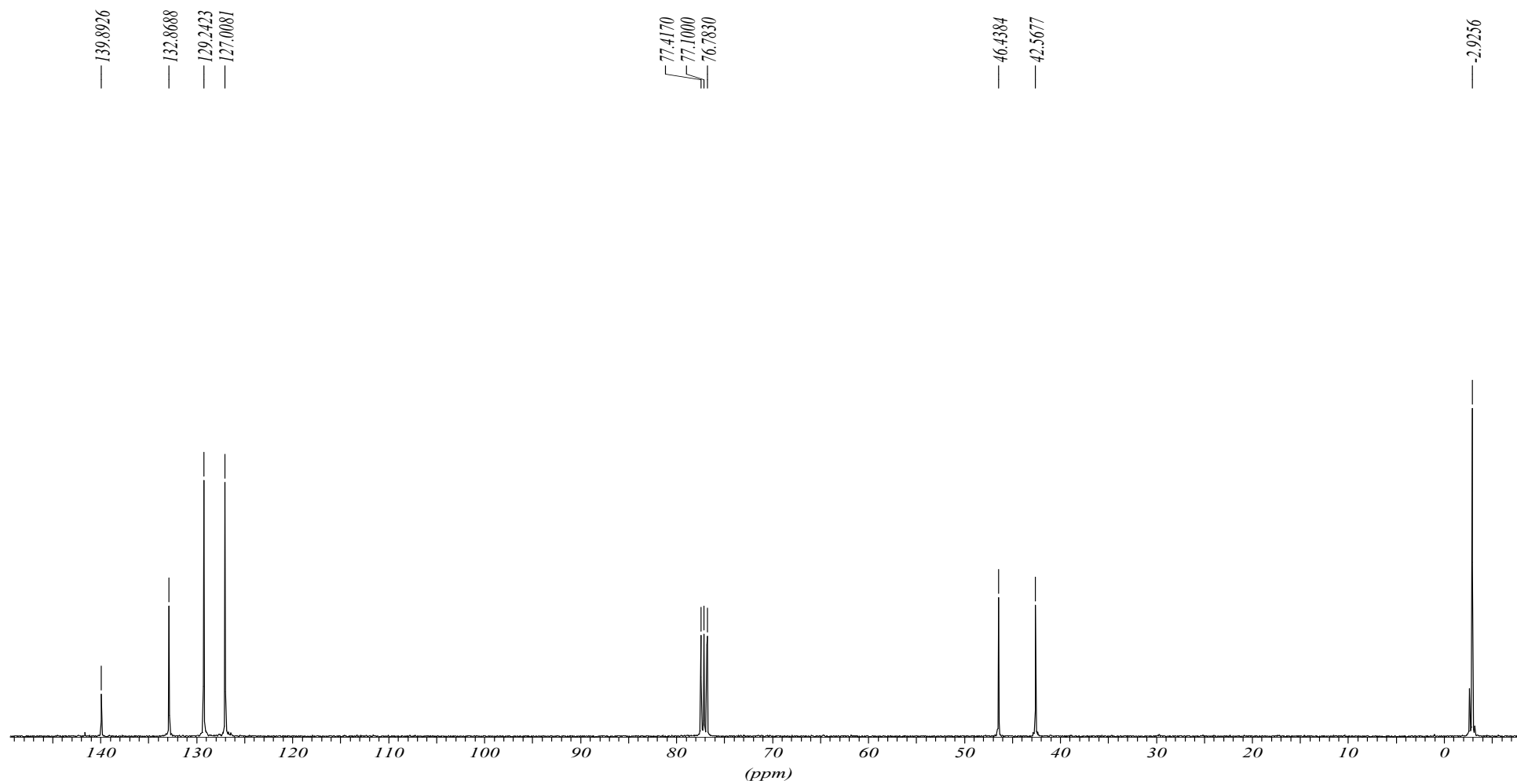
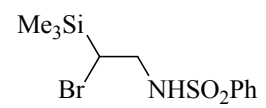


¹H NMR spectrum of compound **3c**
N-(2-bromo-2-(trimethylsilyl)ethyl)benzenesulfonamide, **3c**



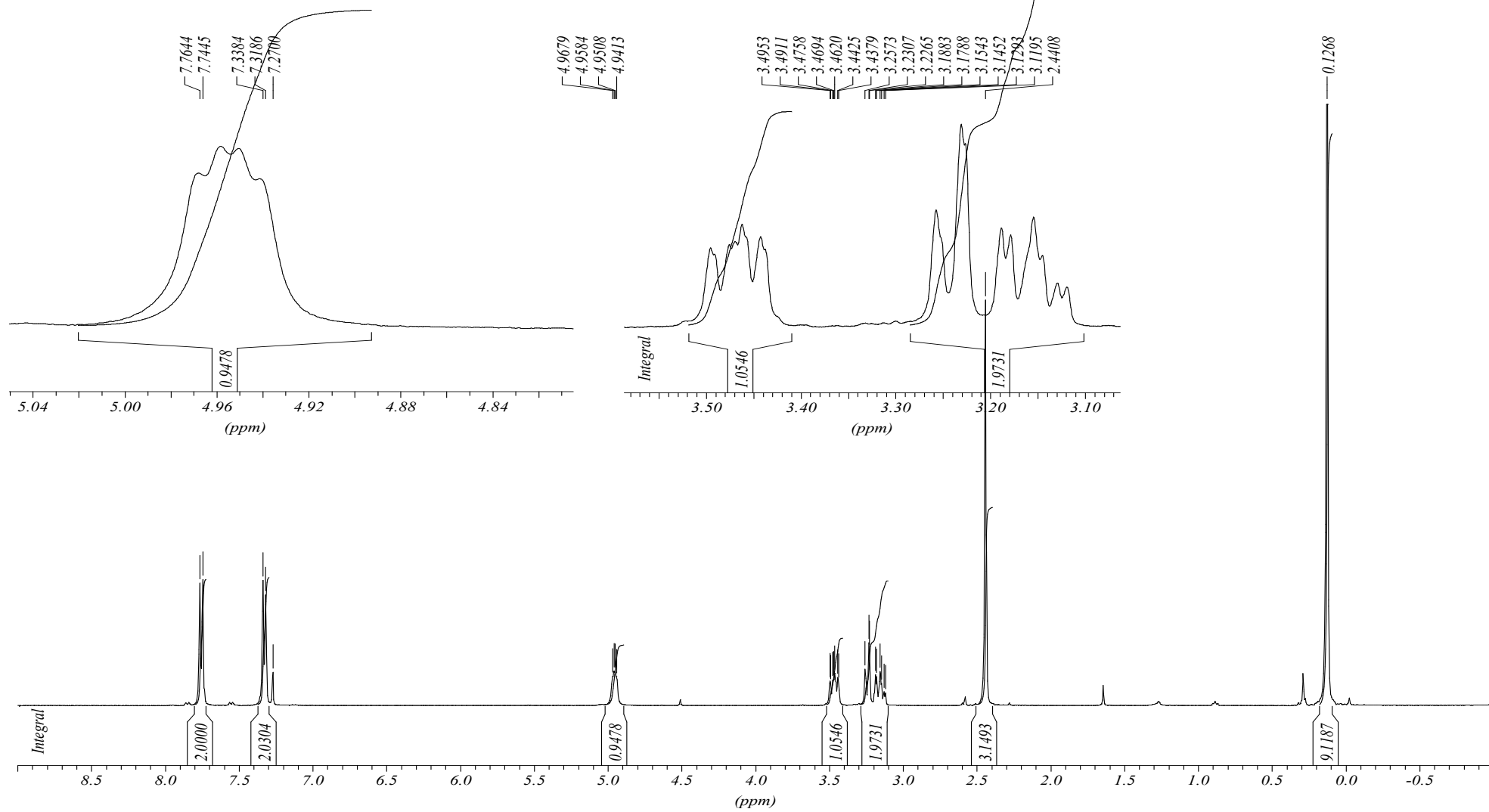
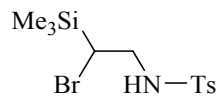
¹³C NMR spectrum of compound, **3c**

N-(2-bromo-2-(trimethylsilyl)ethyl)benzenesulfonamide, **3c**



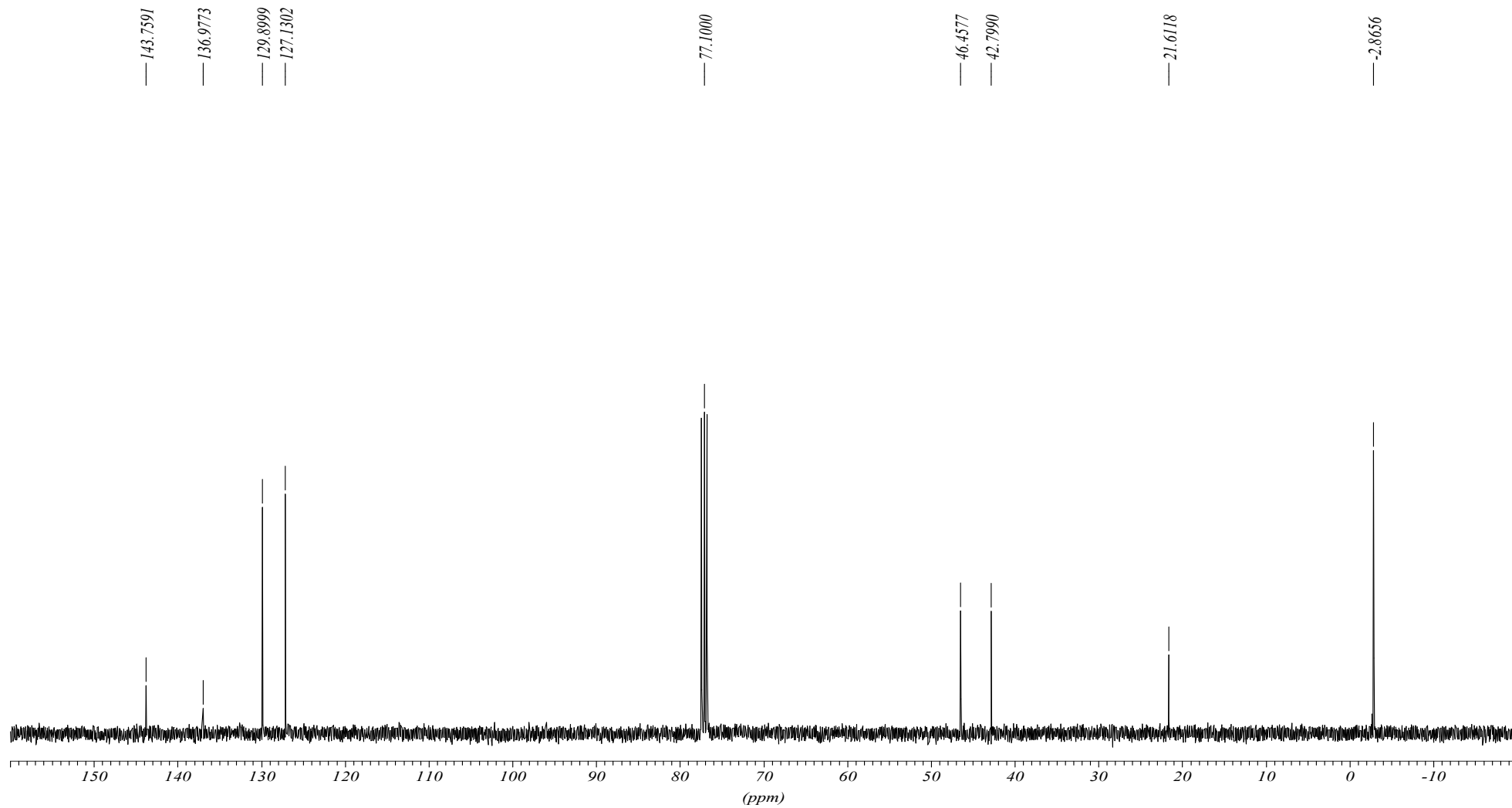
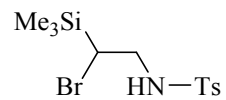
¹H NMR spectrum of compound **3d**

N-(2-Bromo-2-(trimethylsilyl)ethyl)-4-methylbenzenesulfonamide, **3d**



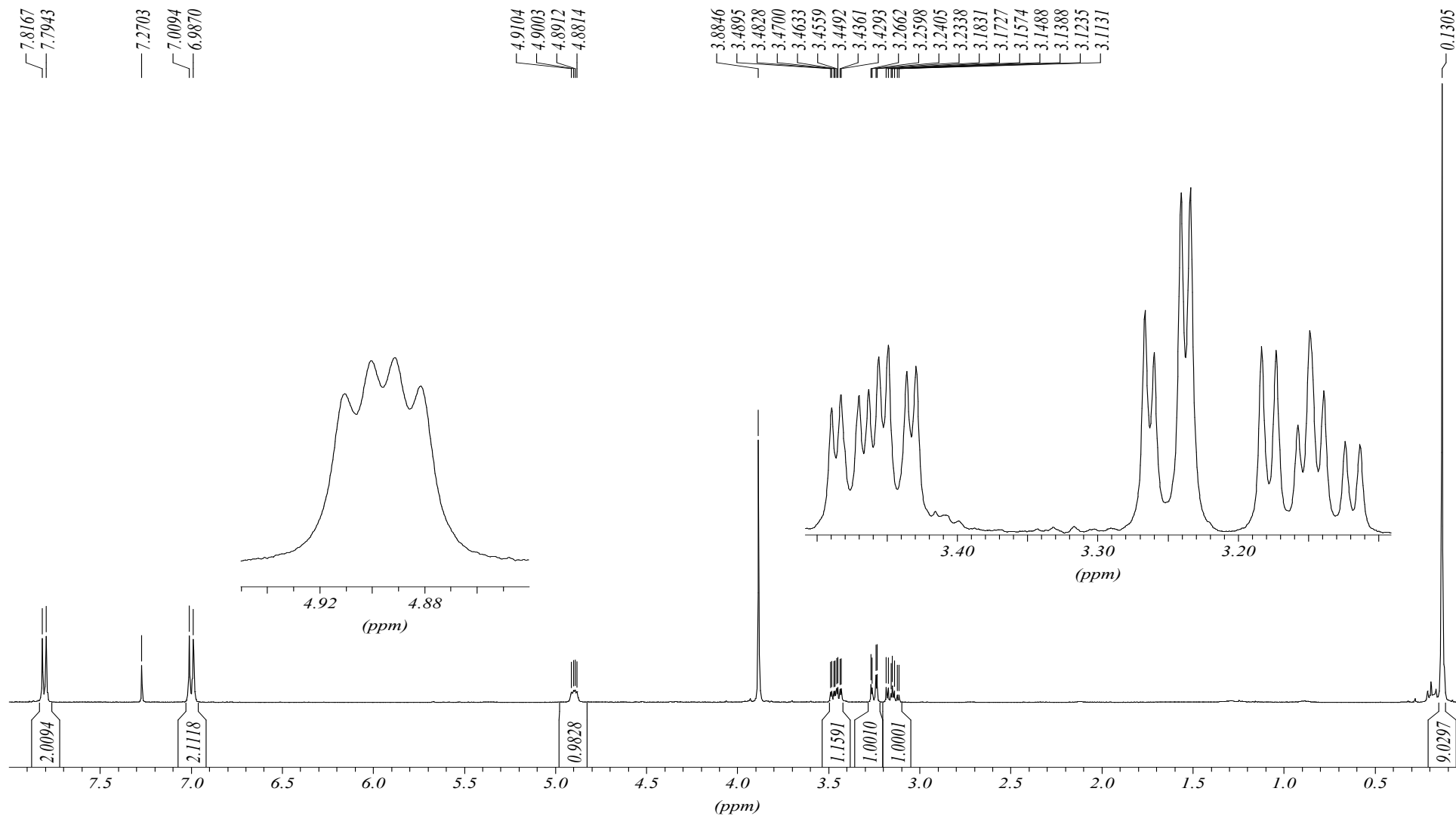
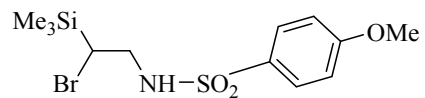
¹³C NMR spectrum of compound, **3d**

N-(2-Bromo-2-(trimethylsilyl)ethyl)-4-methylbenzenesulfonamide, **3d**



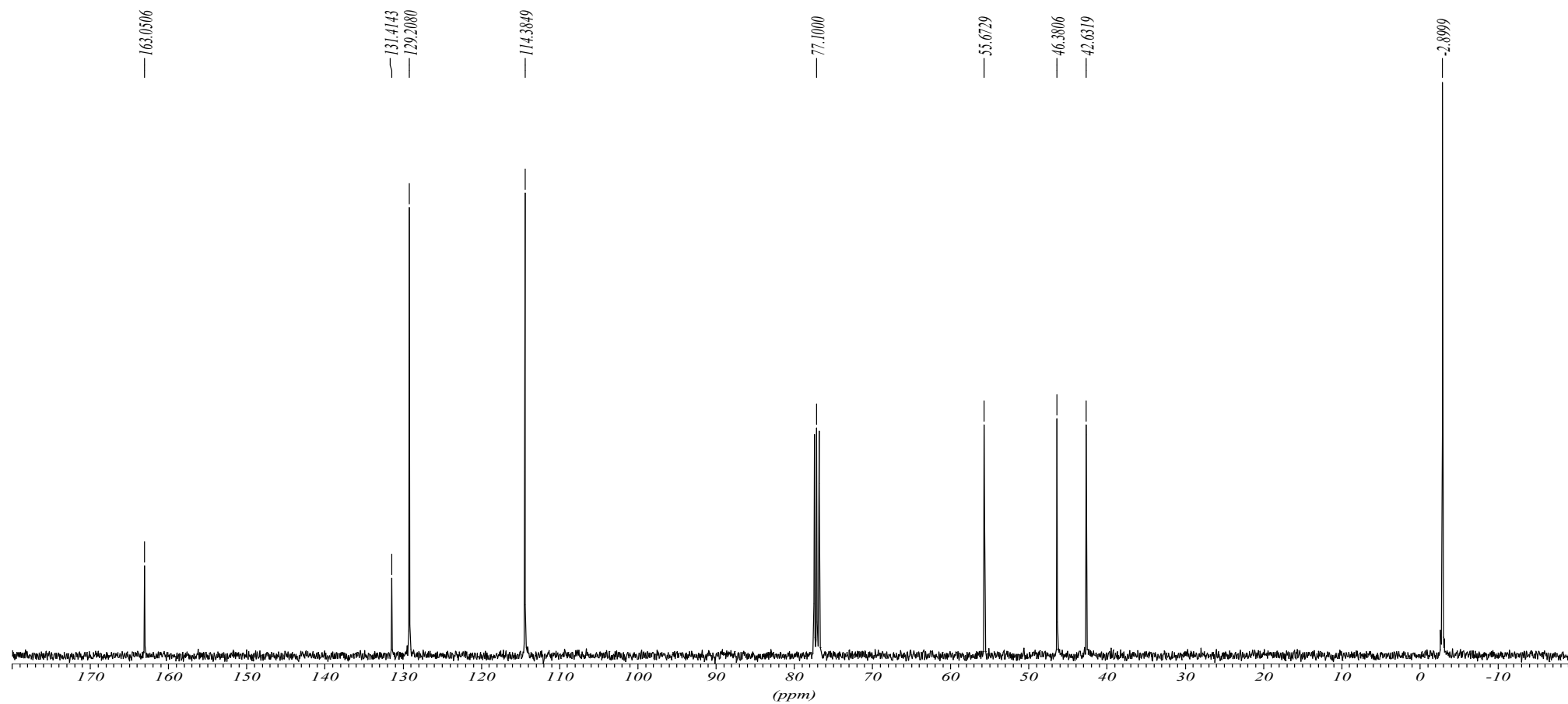
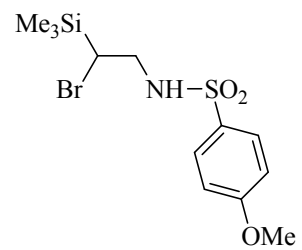
¹H NMR spectrum of compound **3e**

N-(2-bromo-2-(trimethylsilyl)ethyl)-4-methoxybenzenesulfonamide, **3e**

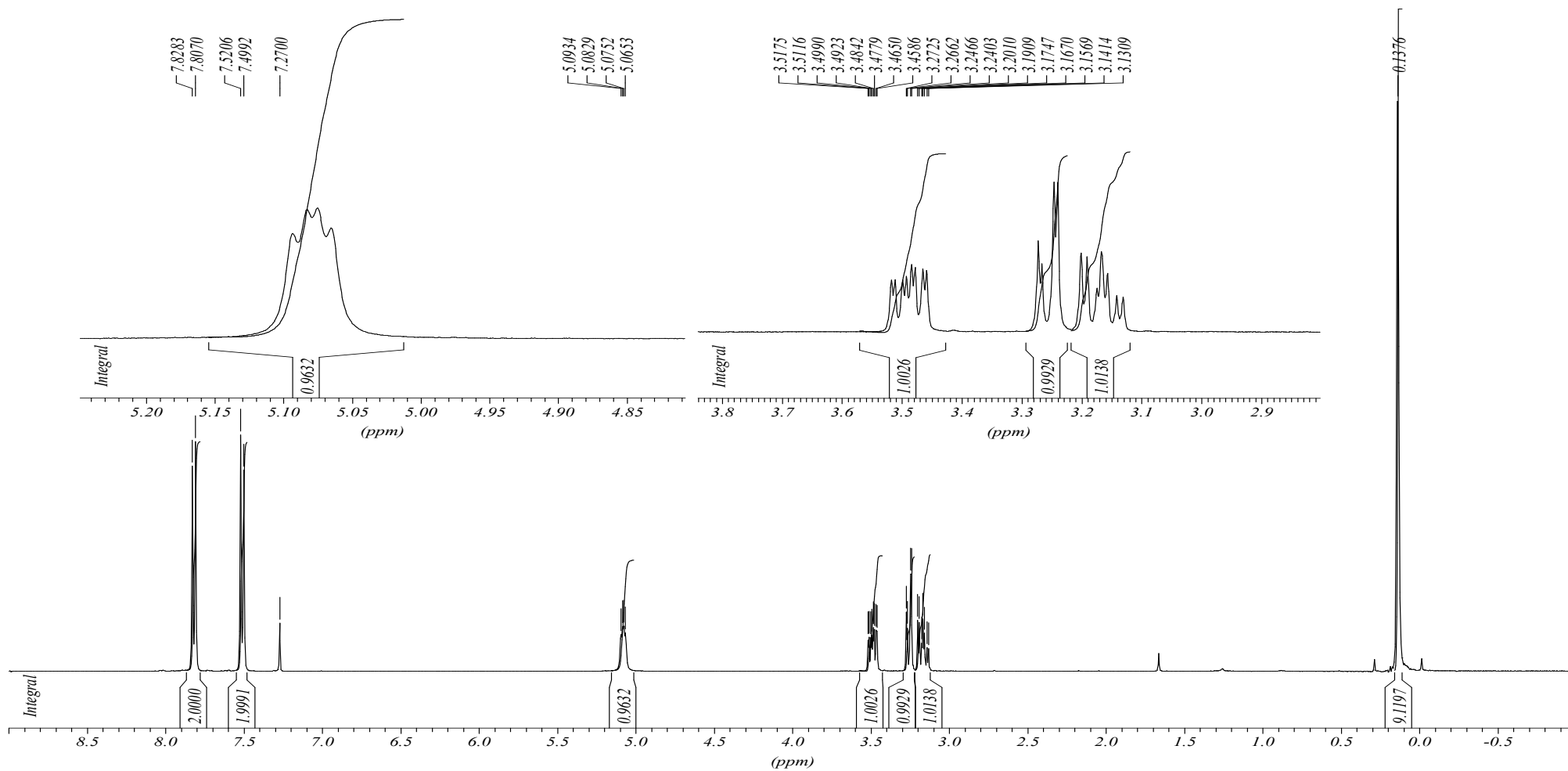
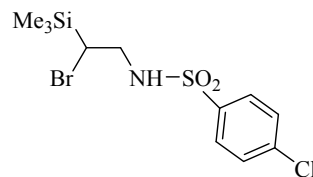


¹³C NMR spectrum of compound, **3e**

N-(2-bromo-2-(trimethylsilyl)ethyl)-4-methoxybenzenesulfonamide, **3e**

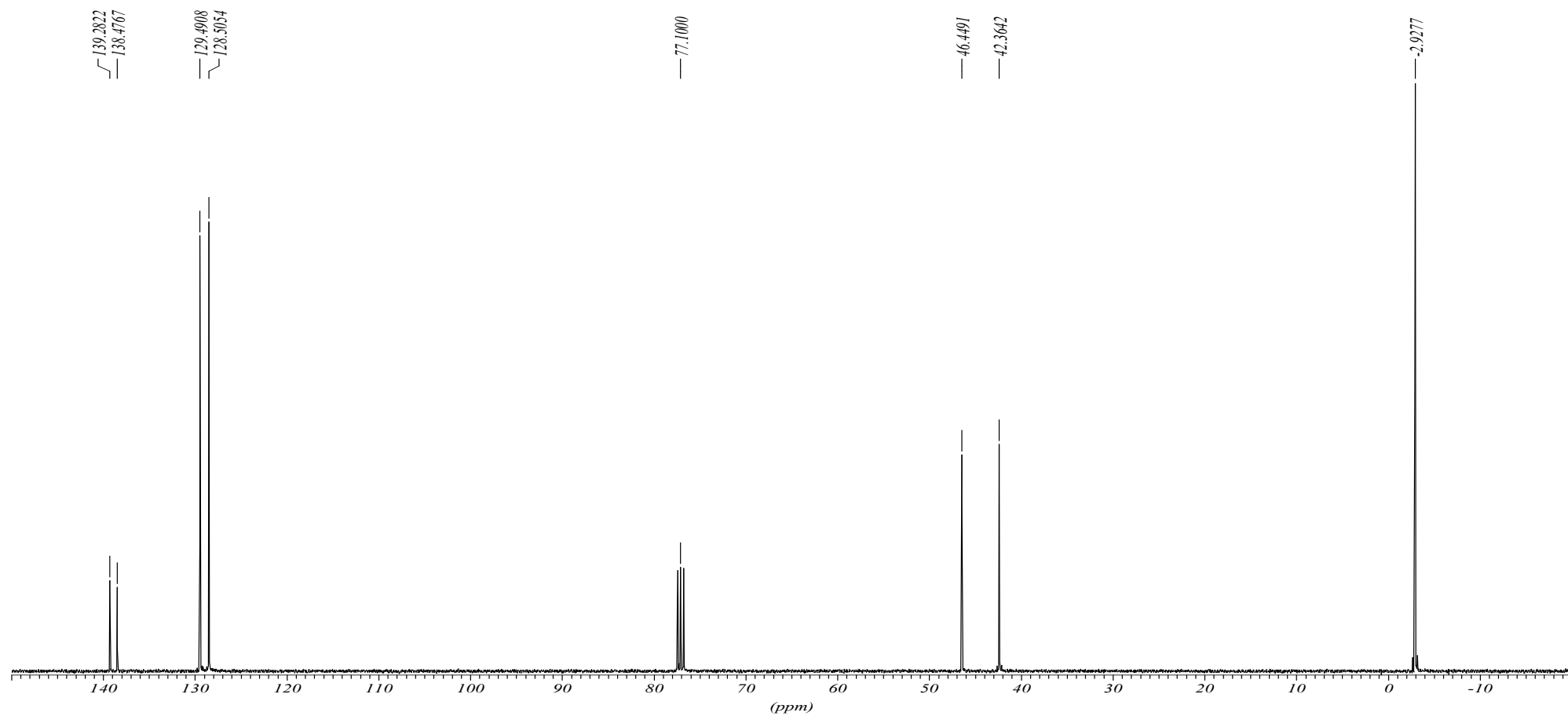
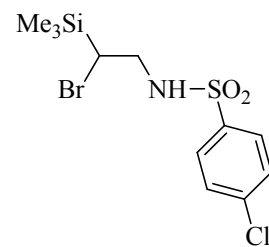


¹H NMR spectrum of compound **3f**
N-(2-bromo-2-(trimethylsilyl)ethyl)-4-chlorobenzenesulfonamide, **3f**



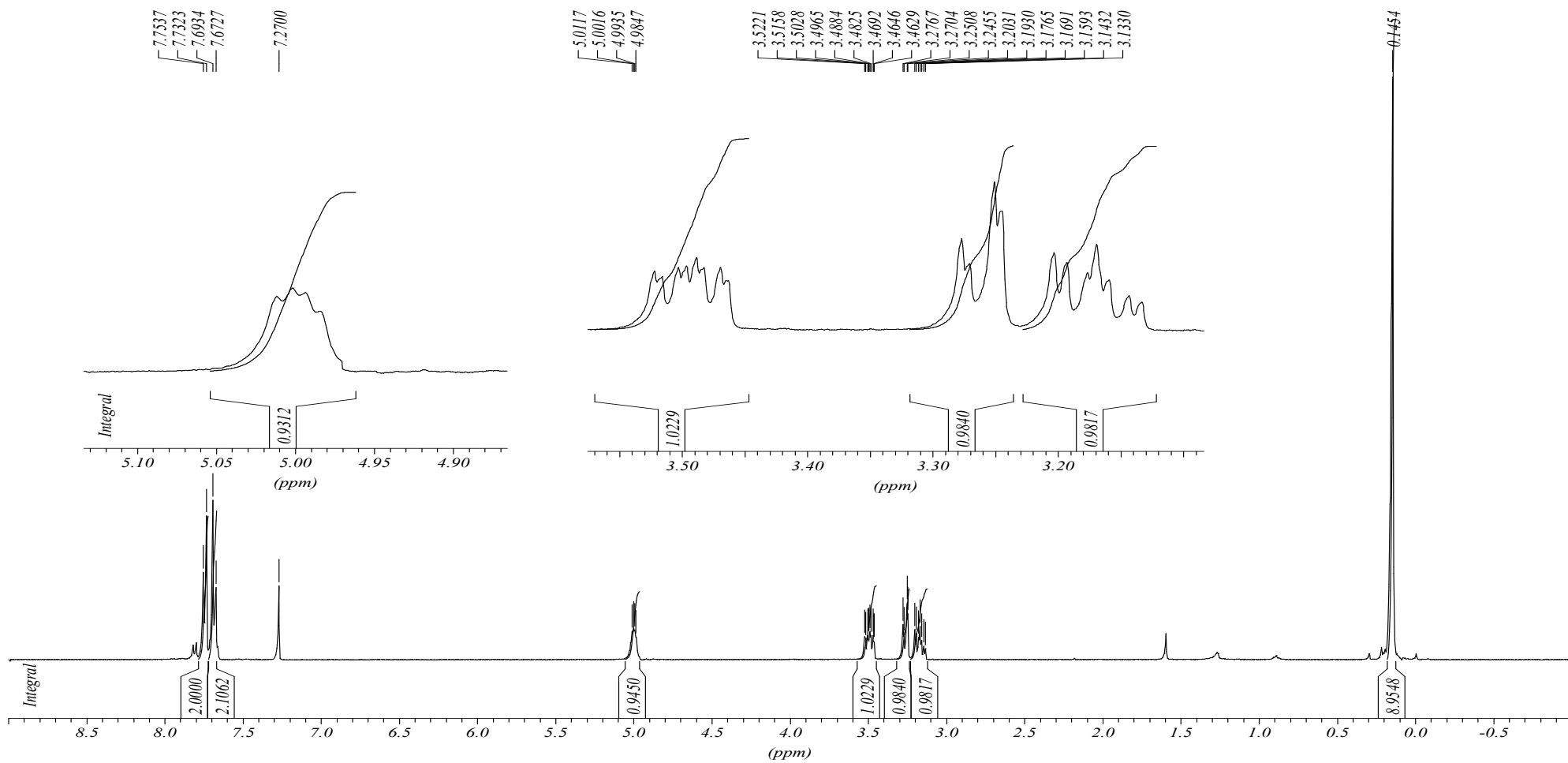
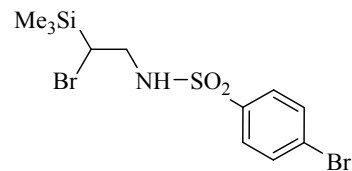
^{13}C NMR spectrum of compound, **3f**

N-(2-bromo-2-(trimethylsilyl)ethyl)-4-chlorobenzenesulfonamide, **3f**



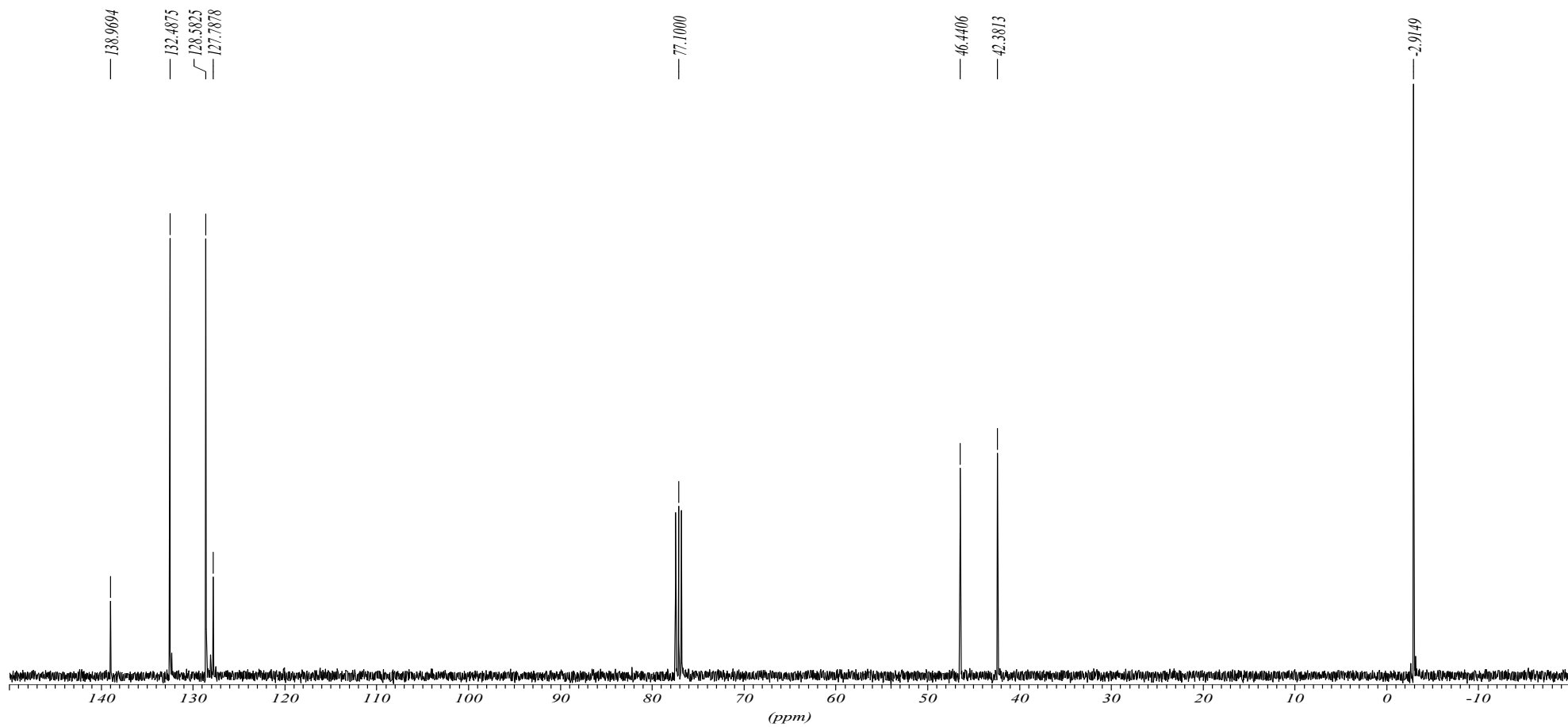
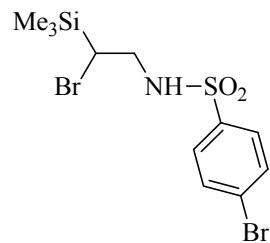
¹H NMR spectrum of compound **3g**

4-bromo-N-(2-bromo-2-(trimethylsilyl)ethyl)benzenesulfonamide, **3g**



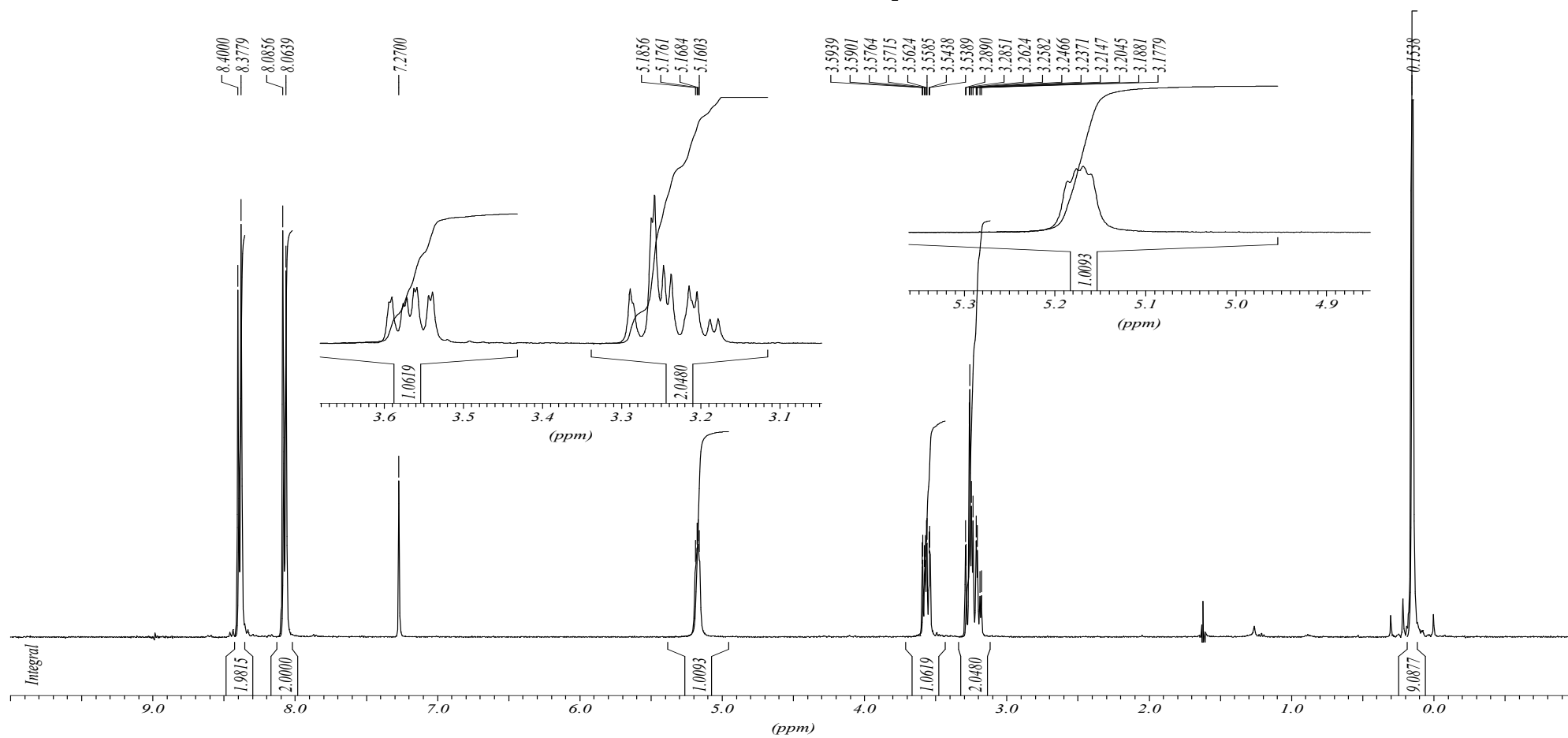
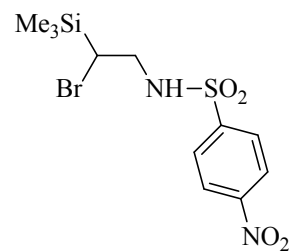
¹³C NMR spectrum of compound, **3g**

4-bromo-N-(2-bromo-2-(trimethylsilyl)ethyl)benzenesulfonamide, 3g



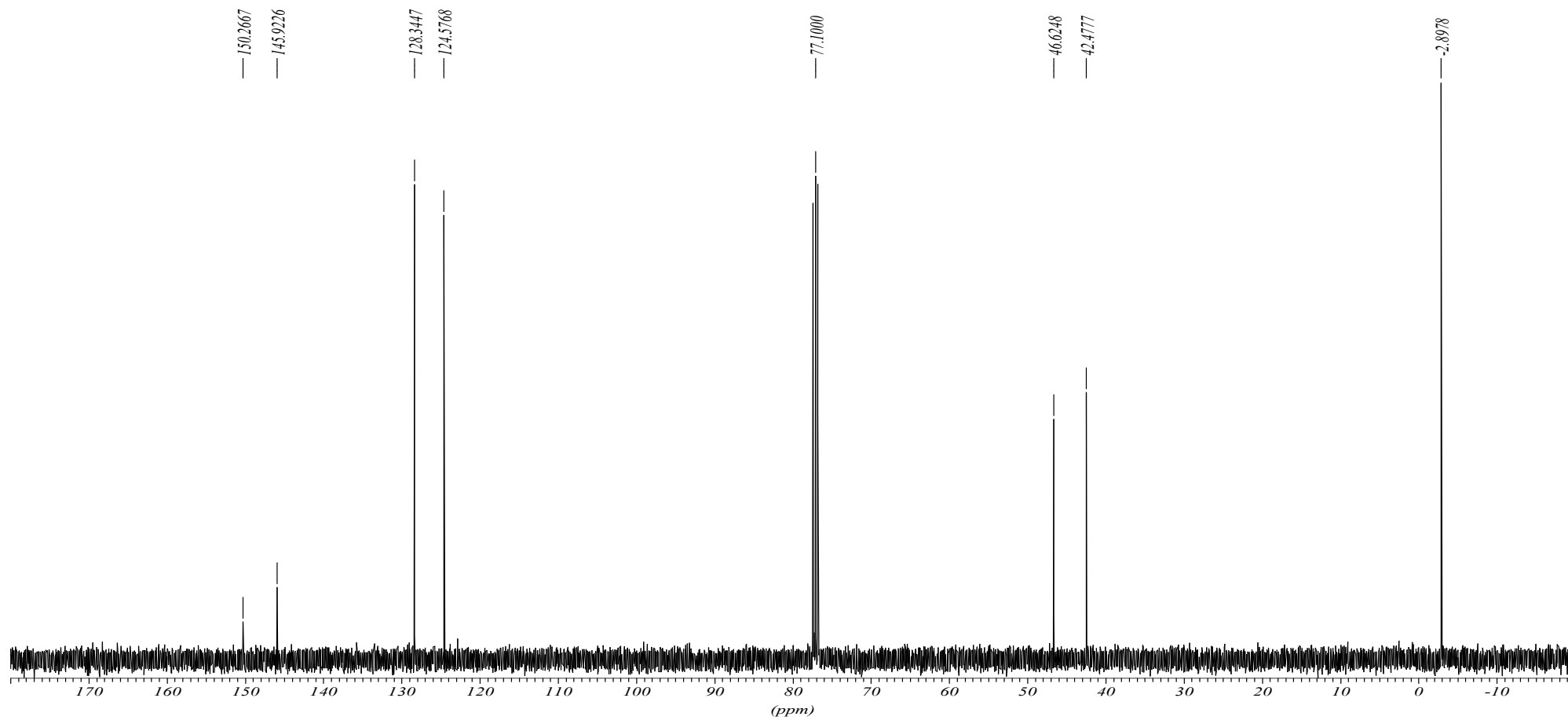
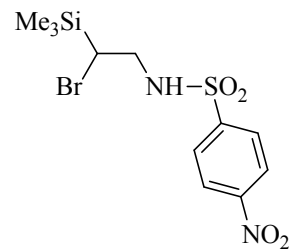
¹H NMR spectrum of compound **3h**

N-(2-bromo-2-(trimethylsilyl)ethyl)-4-nitrobenzenesulfonamide, **3h**



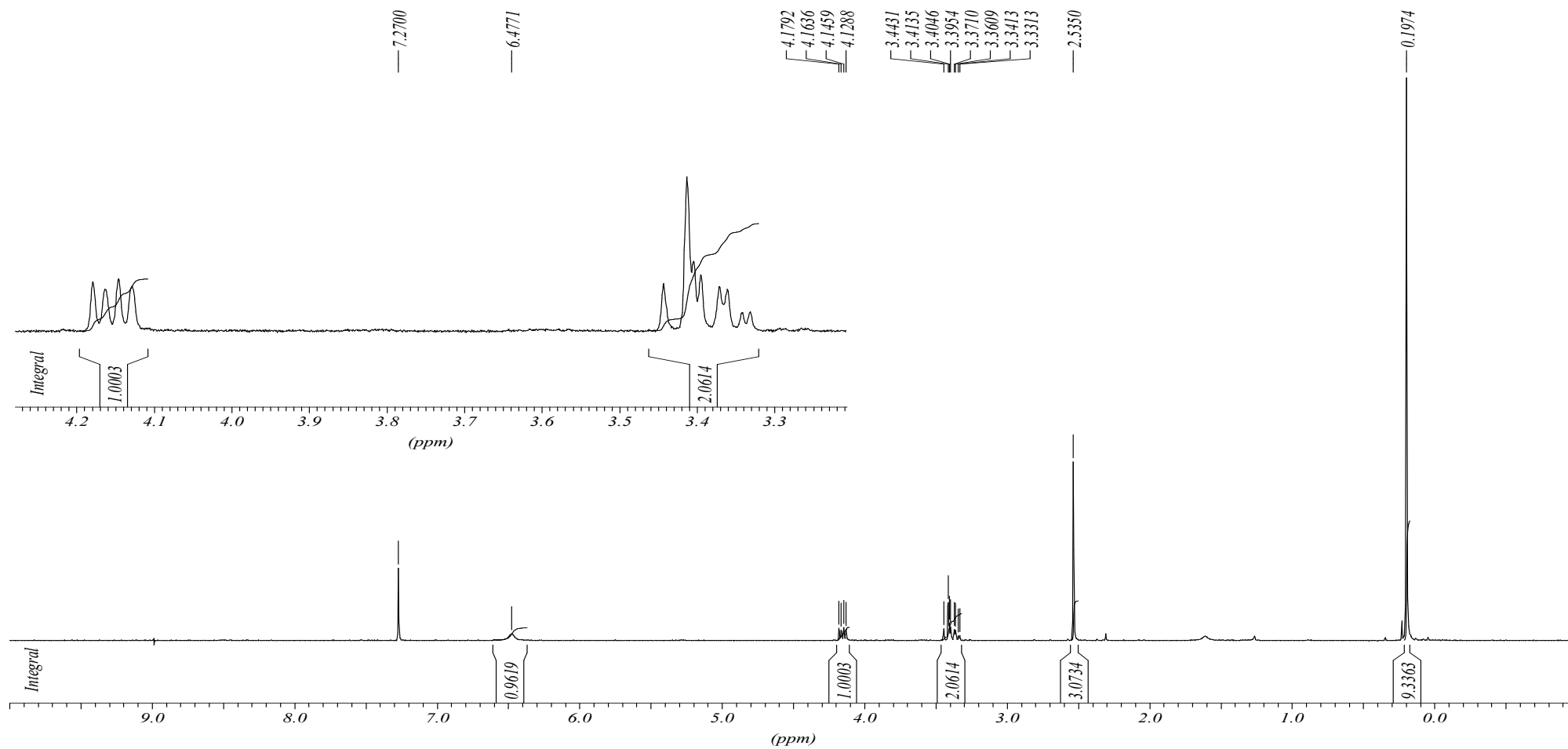
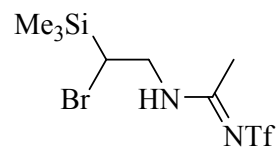
^{13}C NMR spectrum of compound, **3h**

N-(2-bromo-2-(trimethylsilyl)ethyl)-4-nitrobenzenesulfonamide, **3h**



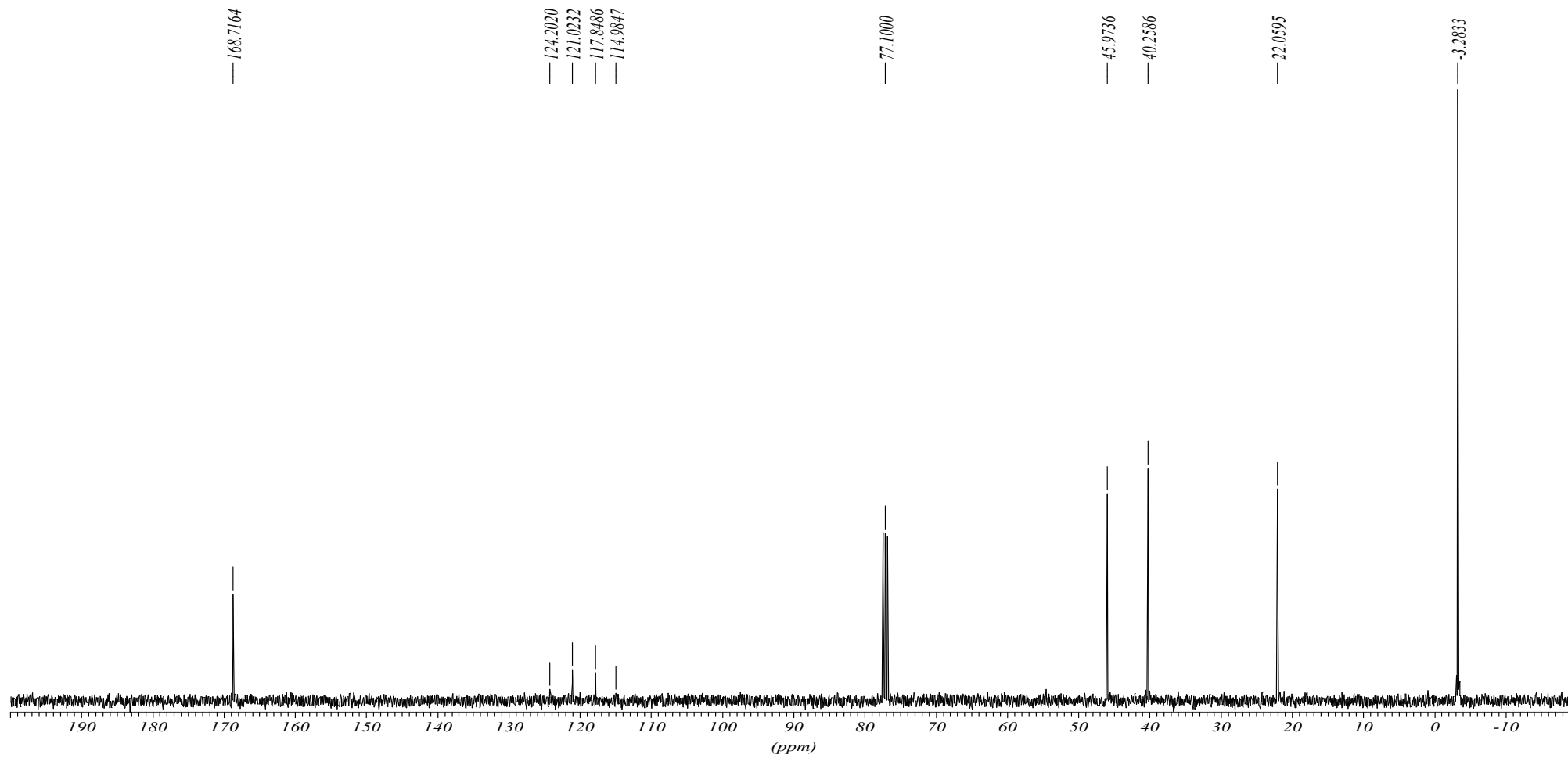
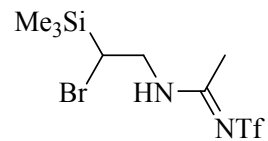
¹H NMR spectrum of compound **7a**

N-(2-bromo-2-(trimethylsilyl)ethyl)-*N'*-((trifluoromethyl)sulfonyl)acetimidamide, **7a**



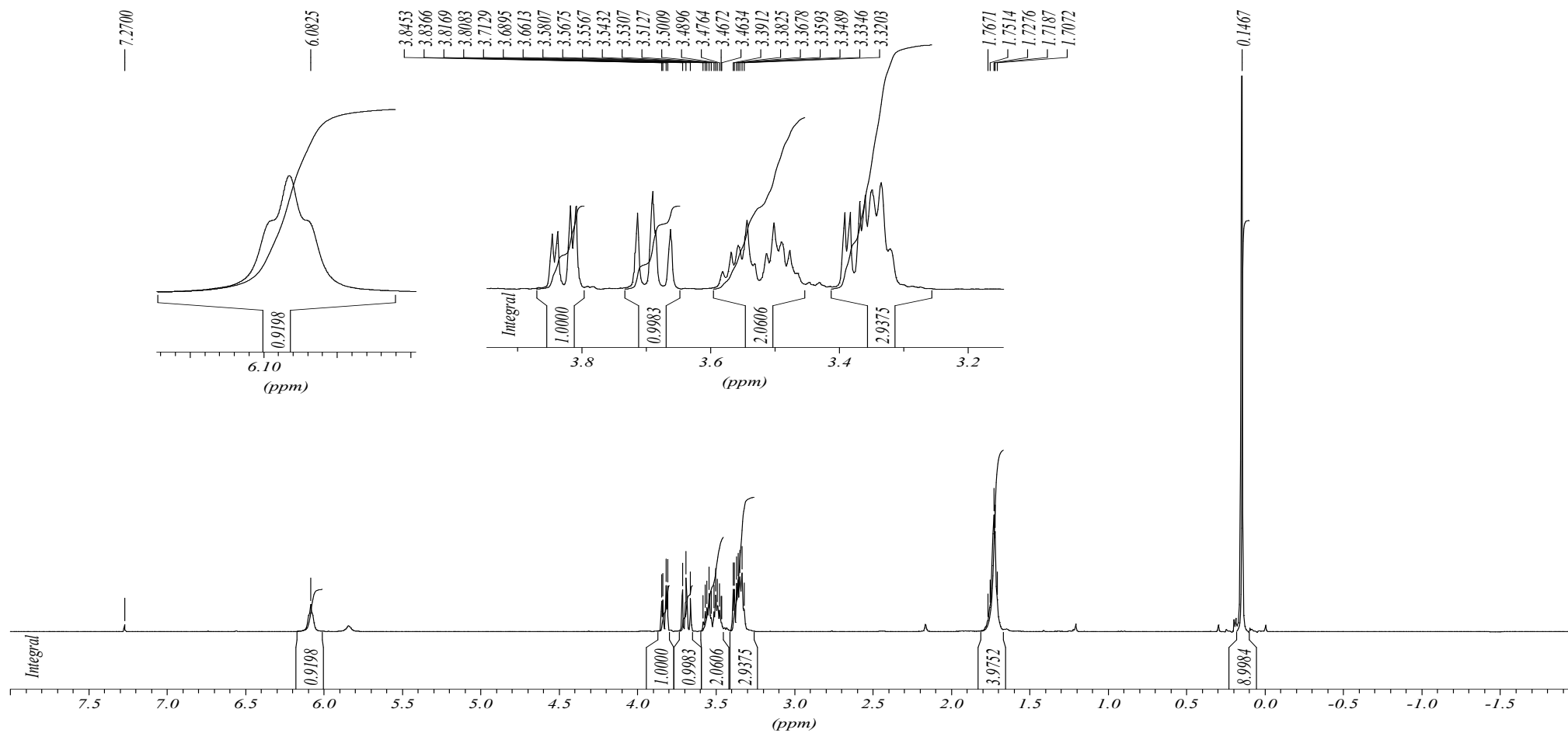
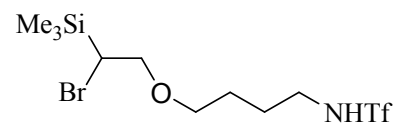
¹³C NMR spectrum of compound **7a**

N-(2-bromo-2-(trimethylsilyl)ethyl)-*N'*-((trifluoromethyl)sulfonyl)acetimidamide, **7a**



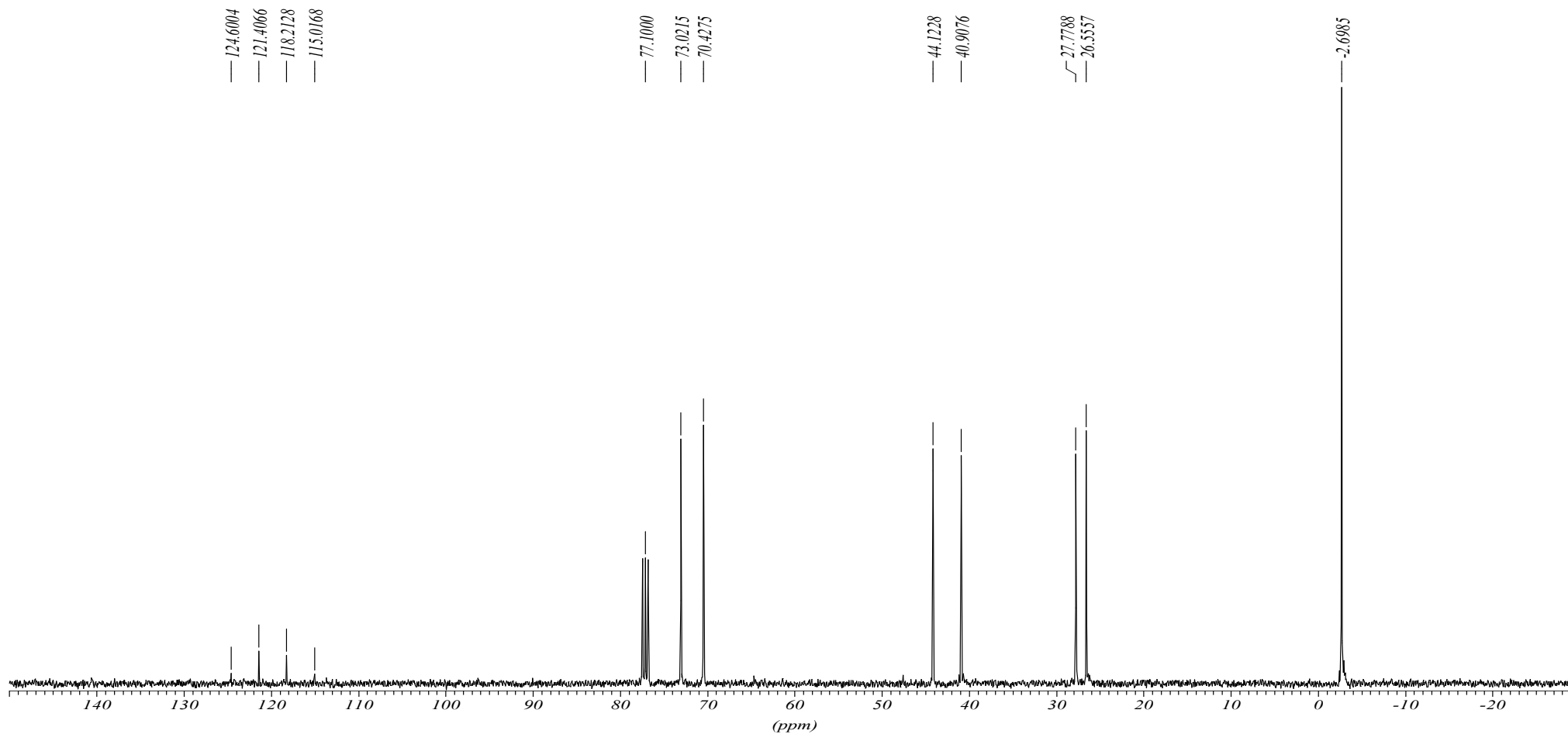
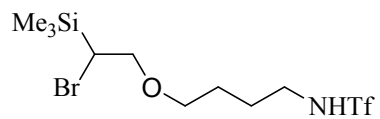
¹H NMR spectrum of compound **8a**

N-(4-(2-bromo-2-(trimethylsilyl)ethoxy)butyl)-1,1,1-trifluoromethanesulfonamide, **8a**



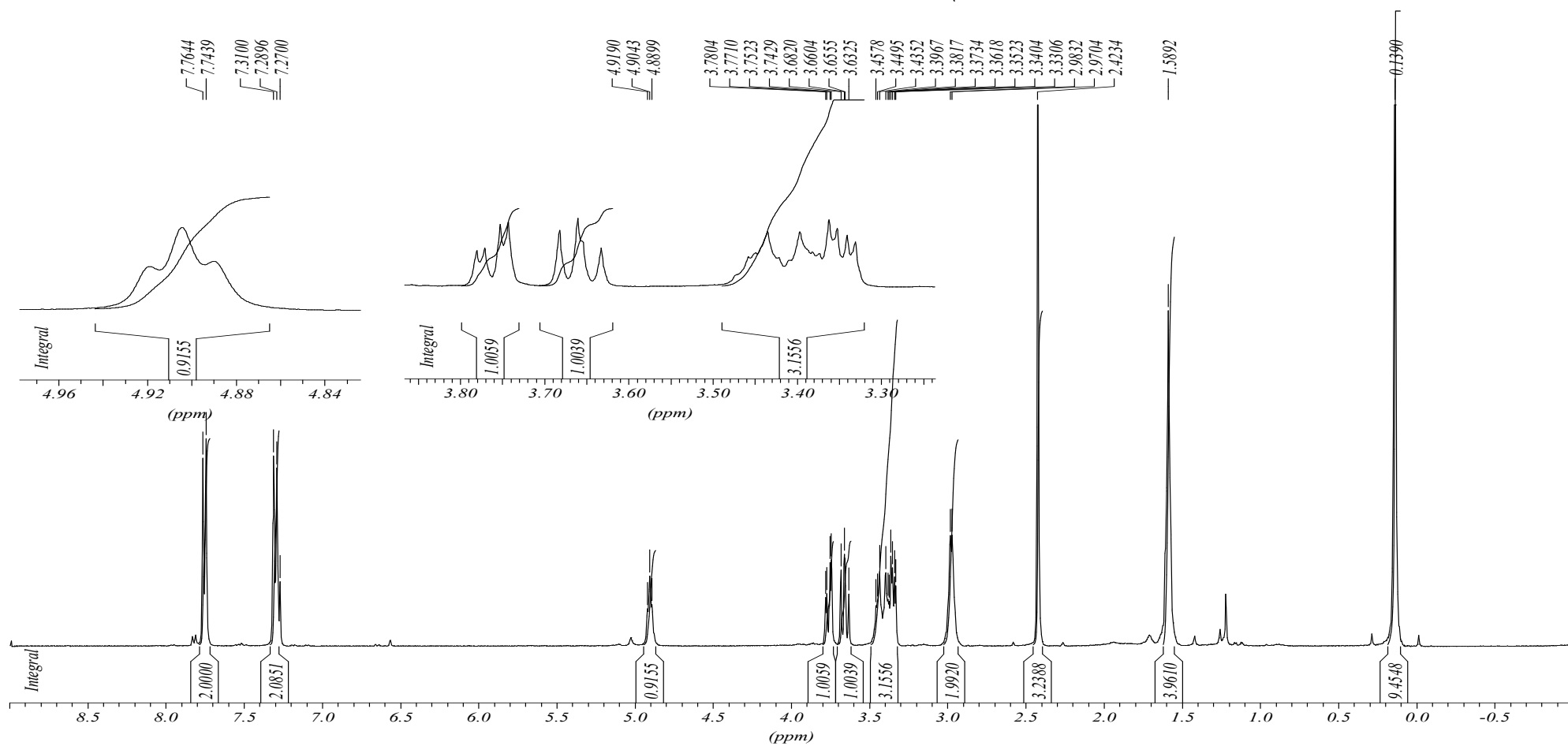
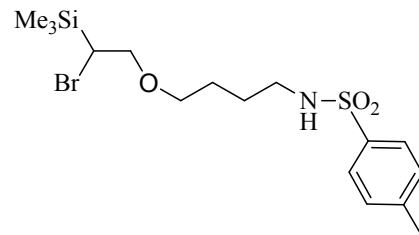
¹³C NMR spectrum of compound **8a**

N-(4-(2-bromo-2-(trimethylsilyl)ethoxy)butyl)-1,1,1-trifluoromethanesulfonamide, **8a**



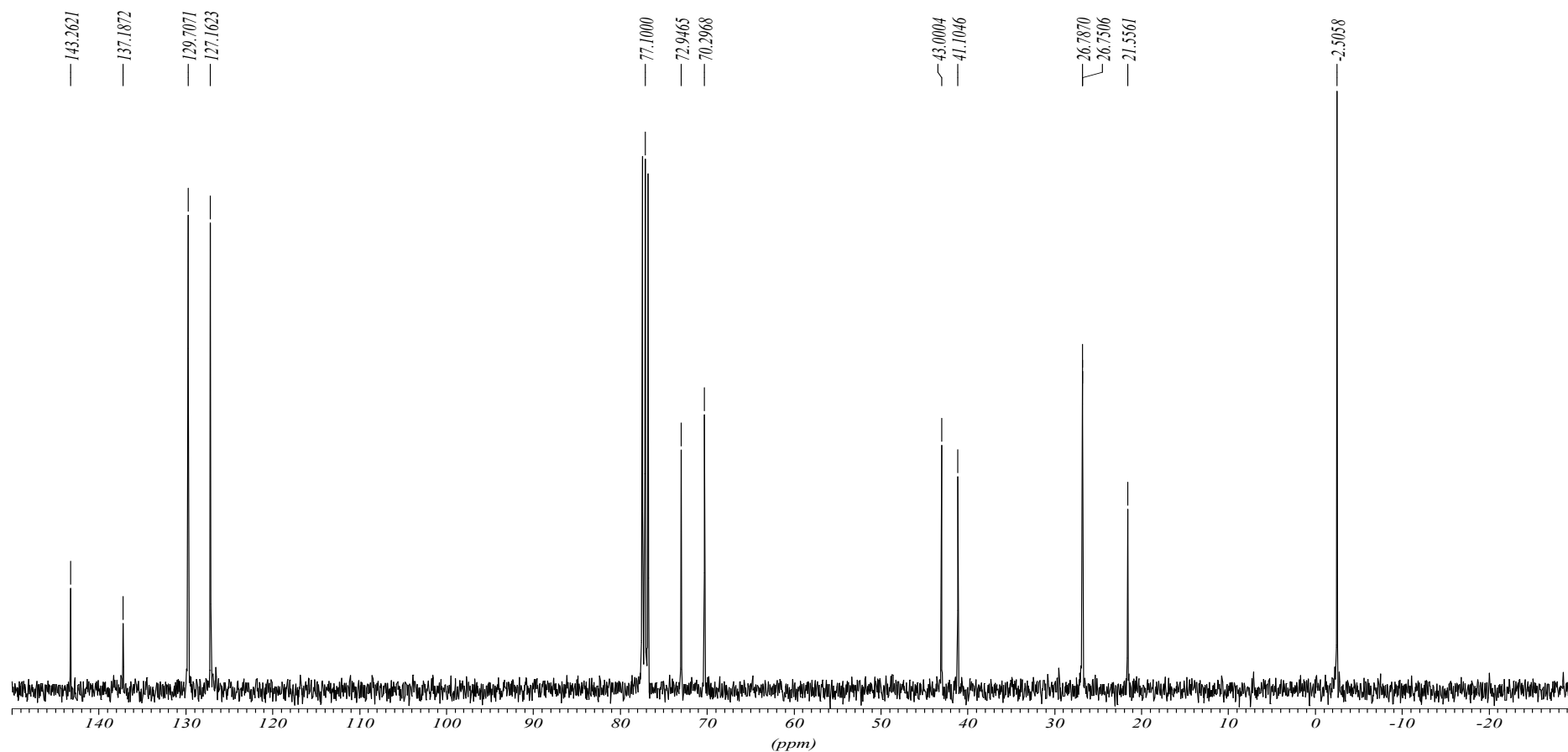
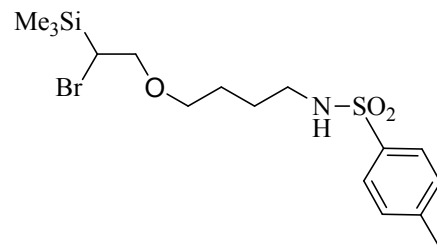
¹H NMR spectrum of compound **8d**

N-(4-(2-bromo-2-(trimethylsilyl)ethoxy)butyl)-4-methylbenzenesulfonamide, **8d**



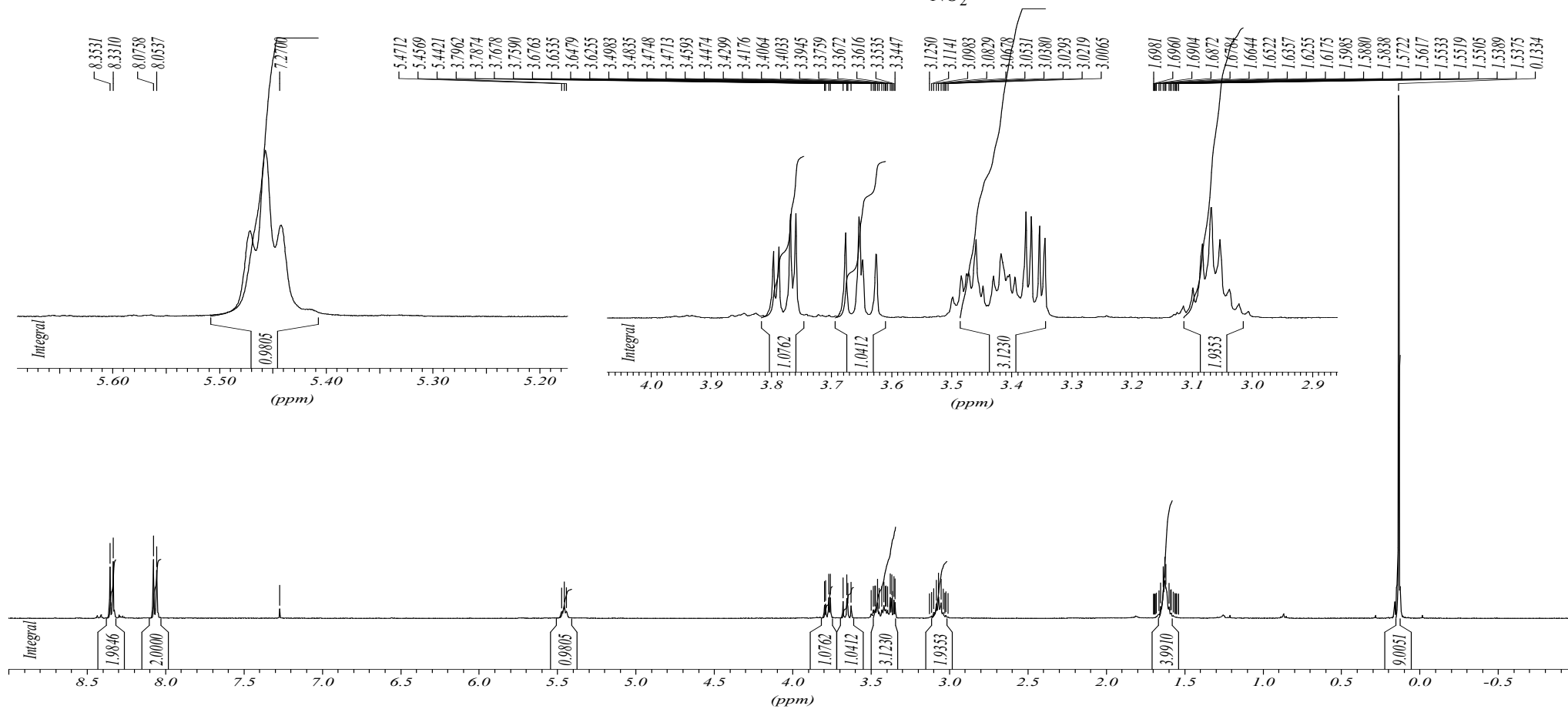
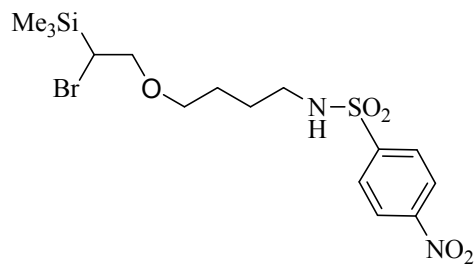
¹³C NMR spectrum of compound **8d**

N-(4-(2-bromo-2-(trimethylsilyl)ethoxy)butyl)-4-methylbenzenesulfonamide, **8d**



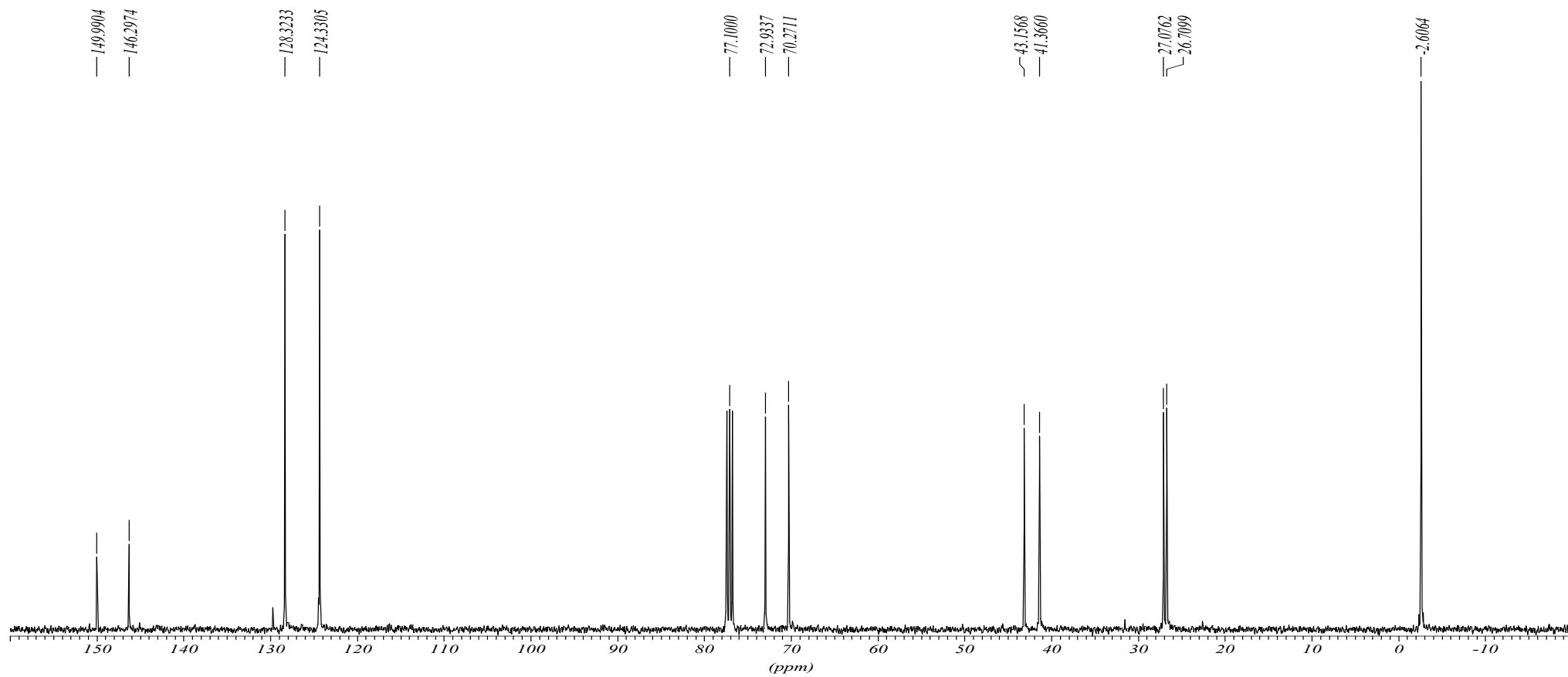
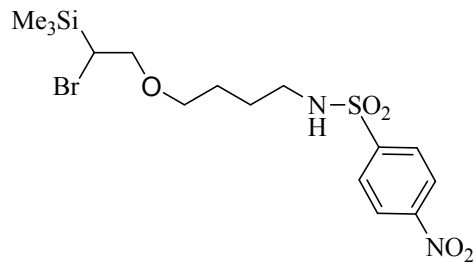
^1H NMR spectrum of compound **8h**

N-(4-(2-Bromo-2-(trimethylsilyl)ethoxy)butyl)-4-nitrobenzenesulfonamide, **8h**



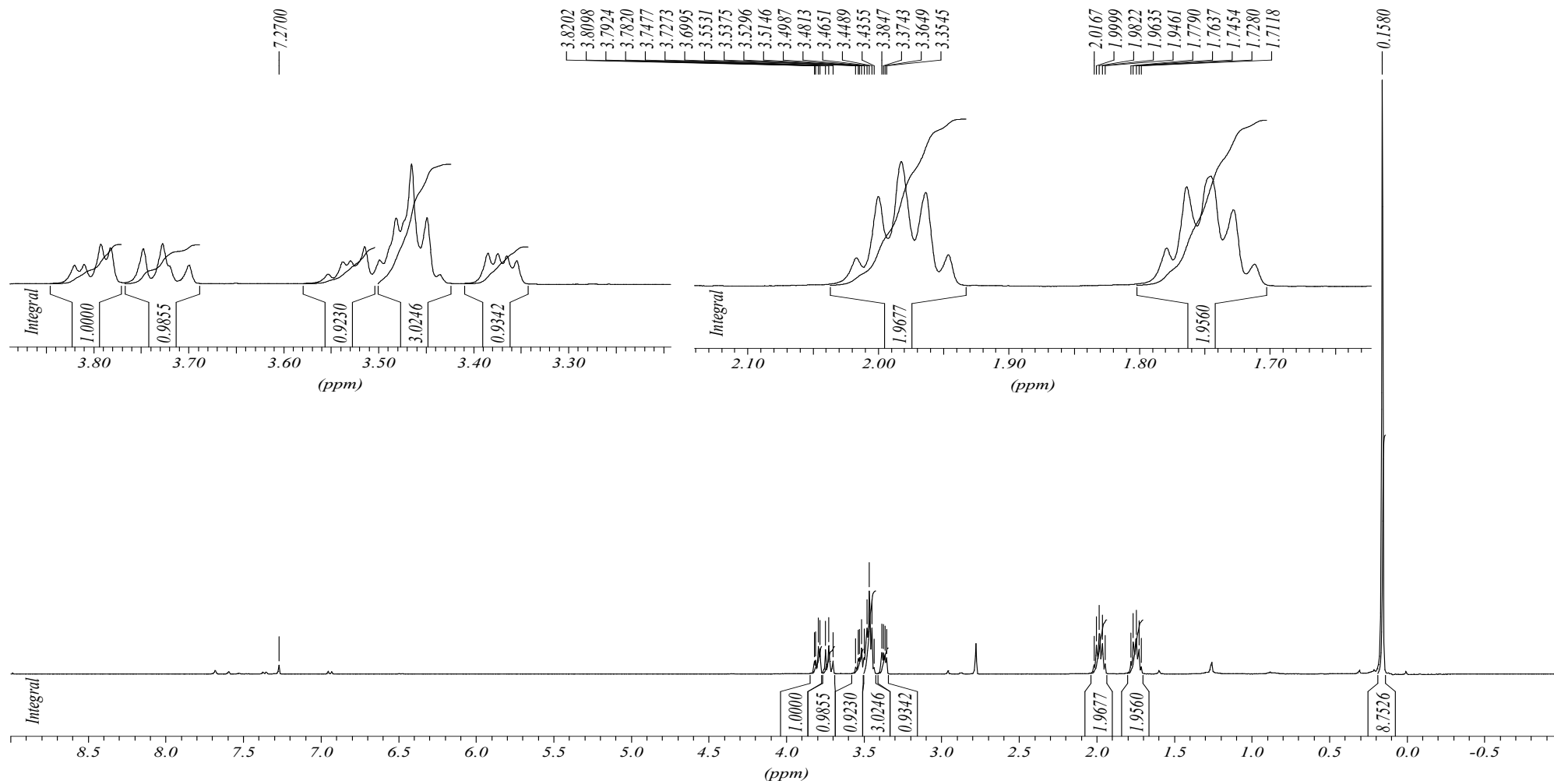
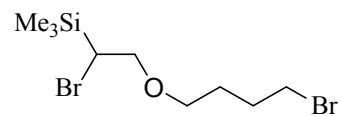
^{13}C NMR spectrum of compound **8h**

N-(4-(2-Bromo-2-(trimethylsilyl)ethoxy)butyl)-4-nitrobenzenesulfonamide, **8h**



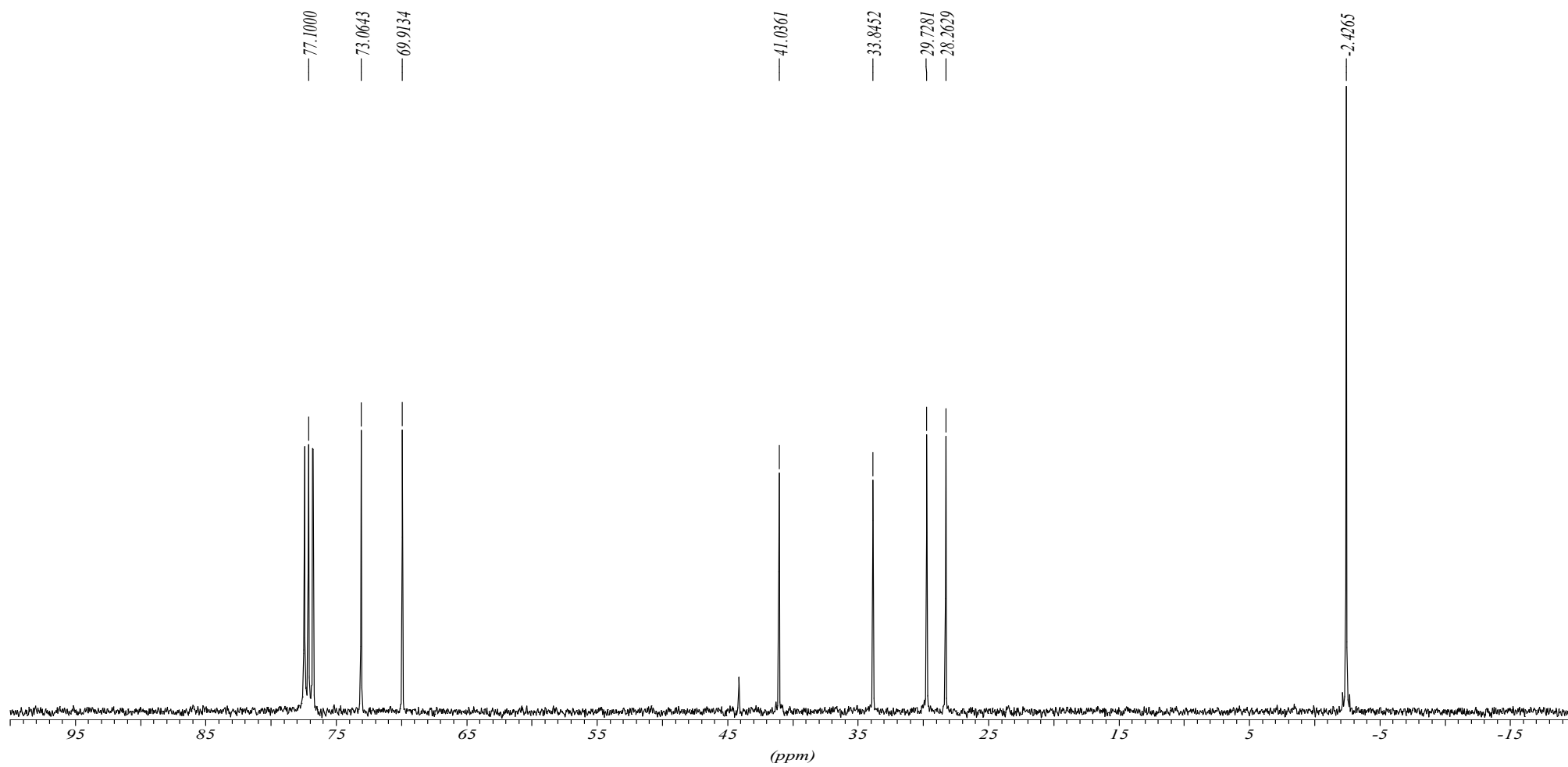
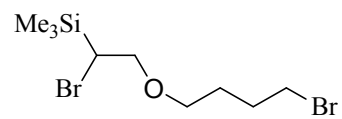
¹H NMR spectrum of compound **9**

(1-bromo-2-(4-bromobutoxy)ethyl)trimethylsilane, **9**



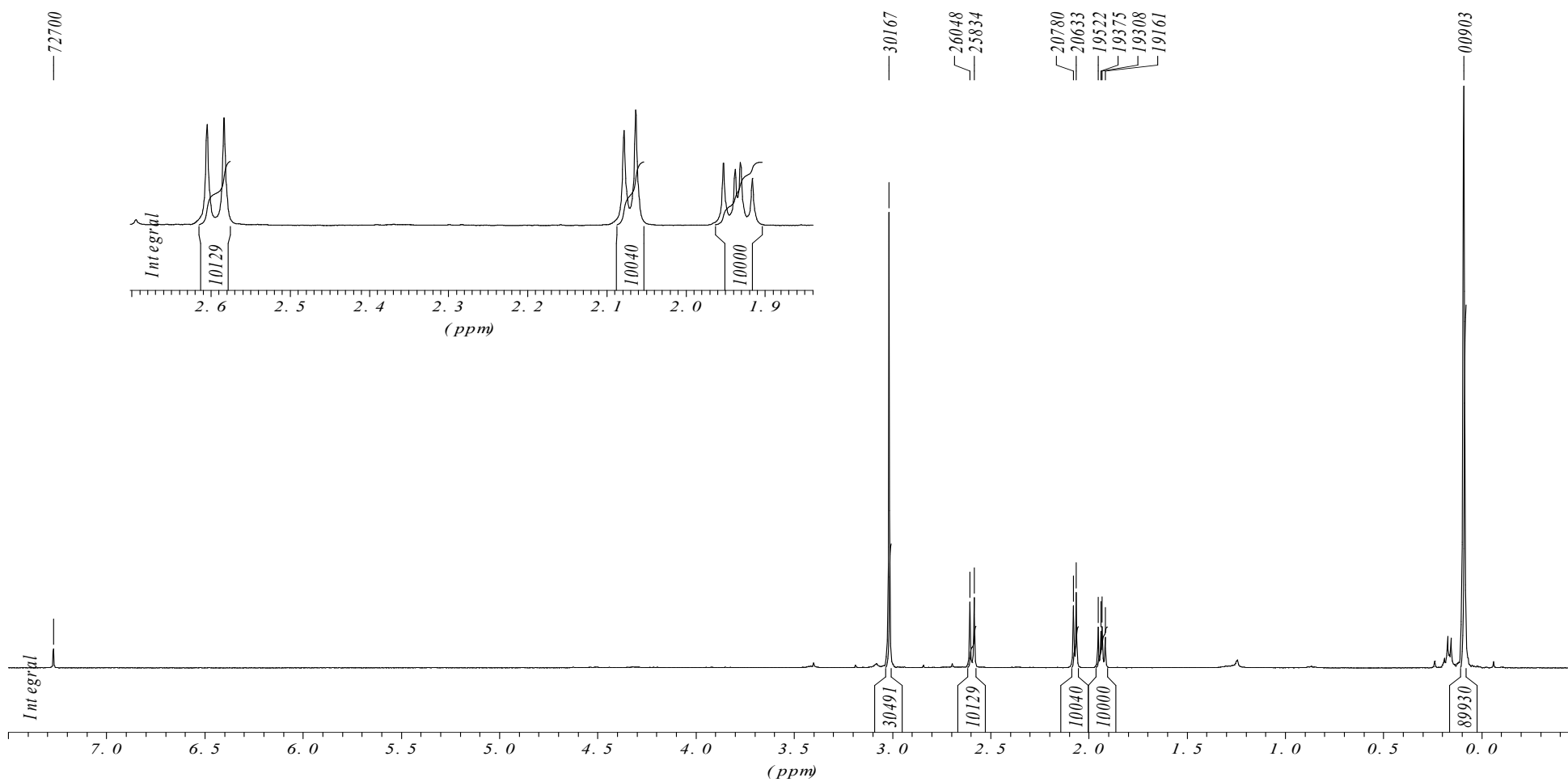
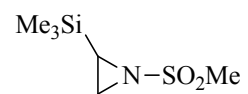
¹³C NMR spectrum of compound **9**

*1-bromo-2-(4-bromobutoxy)ethyl*trimethylsilane, **9**



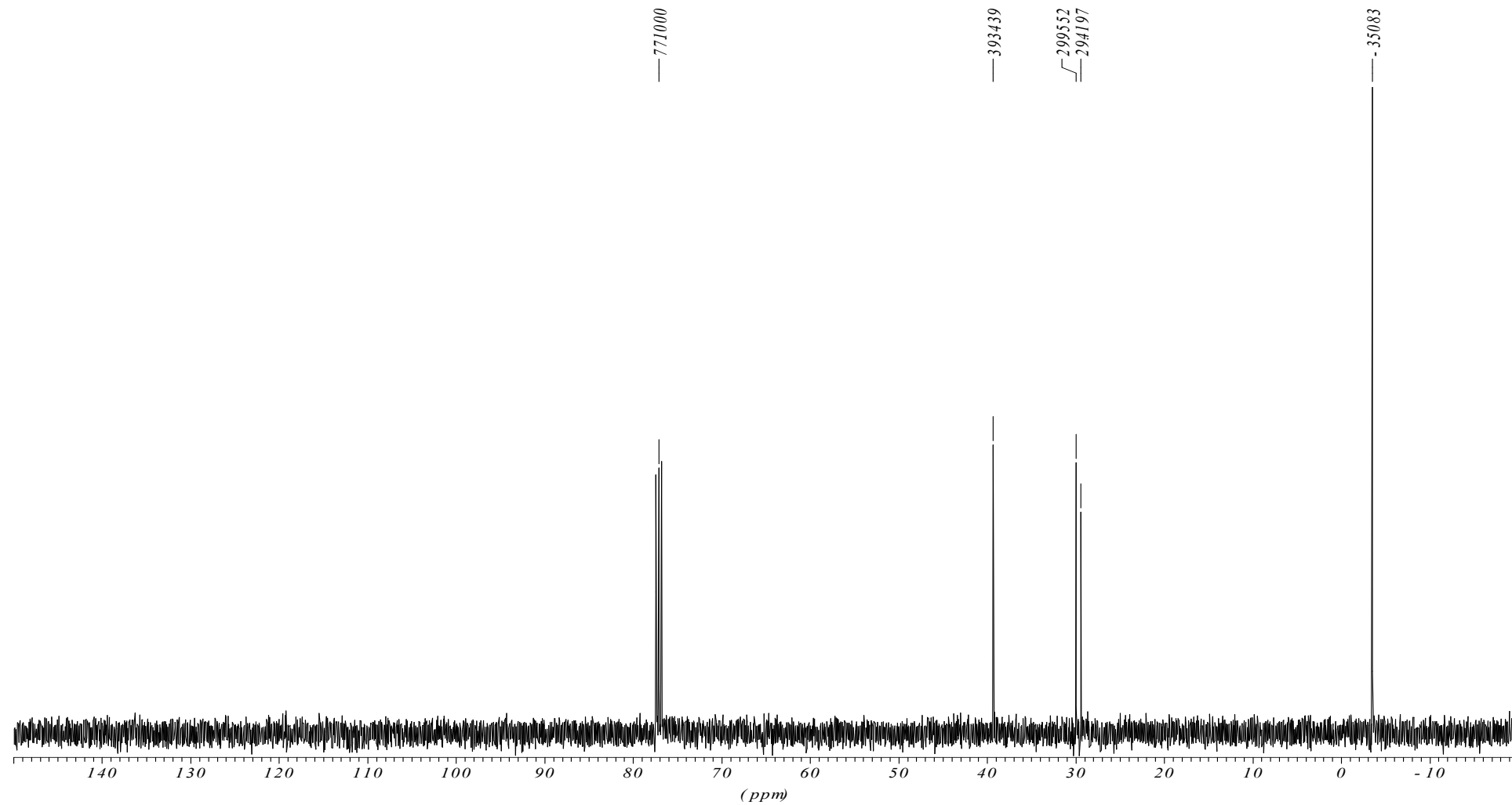
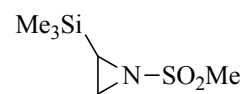
¹H NMR spectrum of compound **10b**

1-(Methylsulfonyl)-2-(trimethylsilyl)aziridine, **10b**



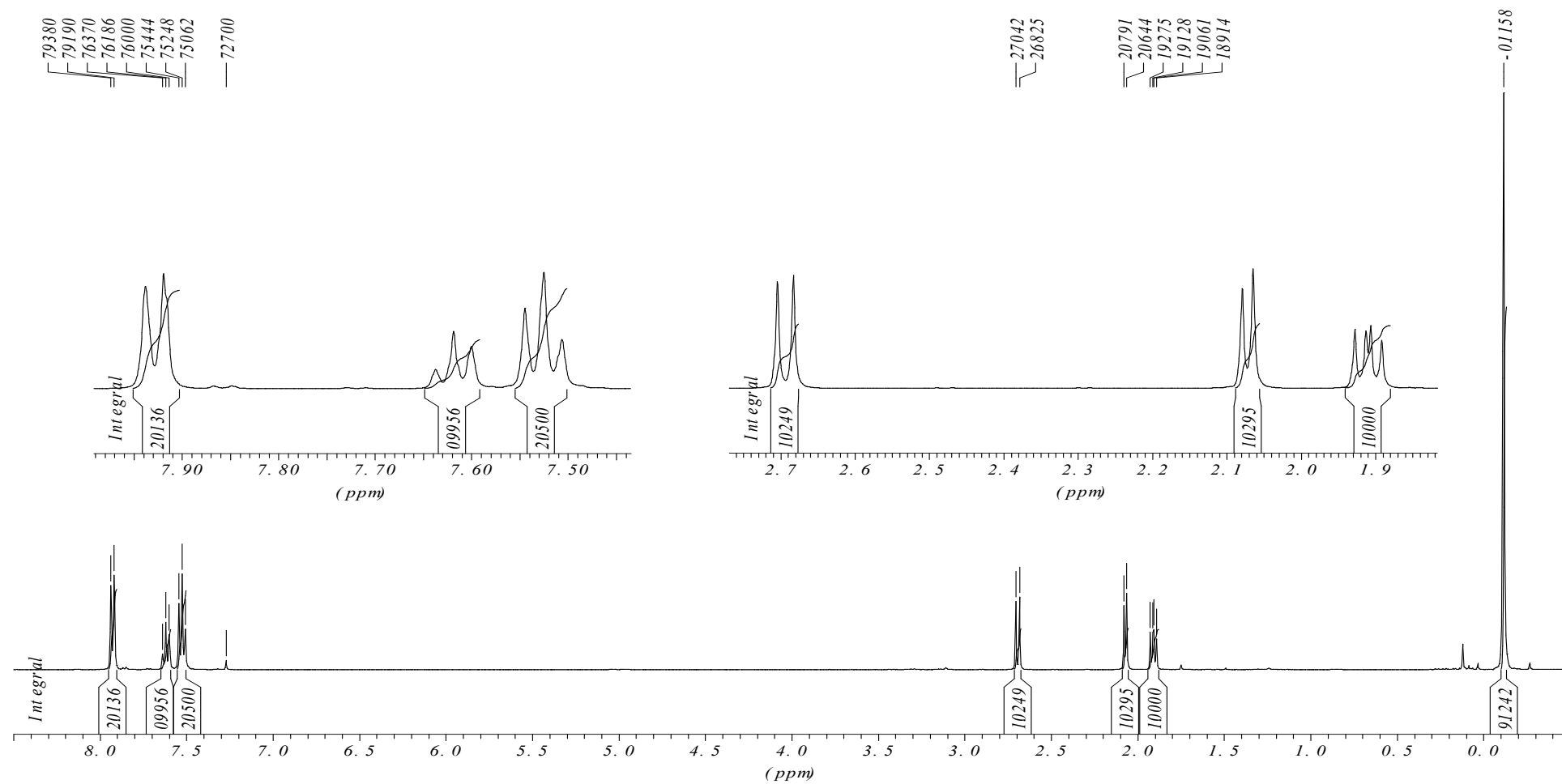
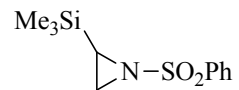
^{13}C NMR spectrum of compound **10b**

1-(Methylsulfonyl)-2-(trimethylsilyl)aziridine, 10b



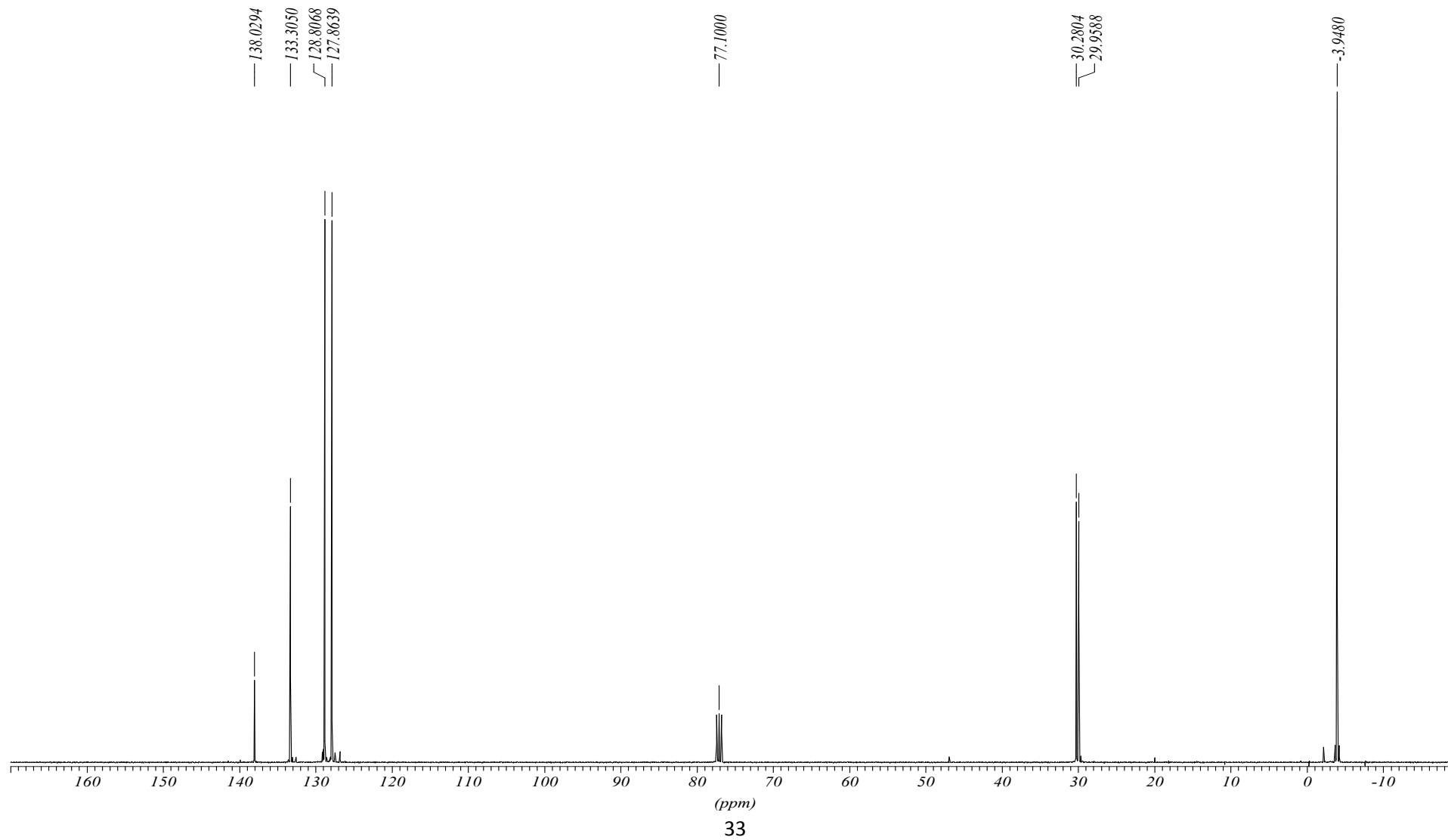
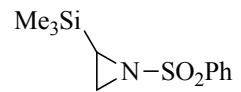
¹H NMR spectrum of compound **10c**

1-(Phenylsulfonyl)-2-(trimethylsilyl)aziridine, 10c



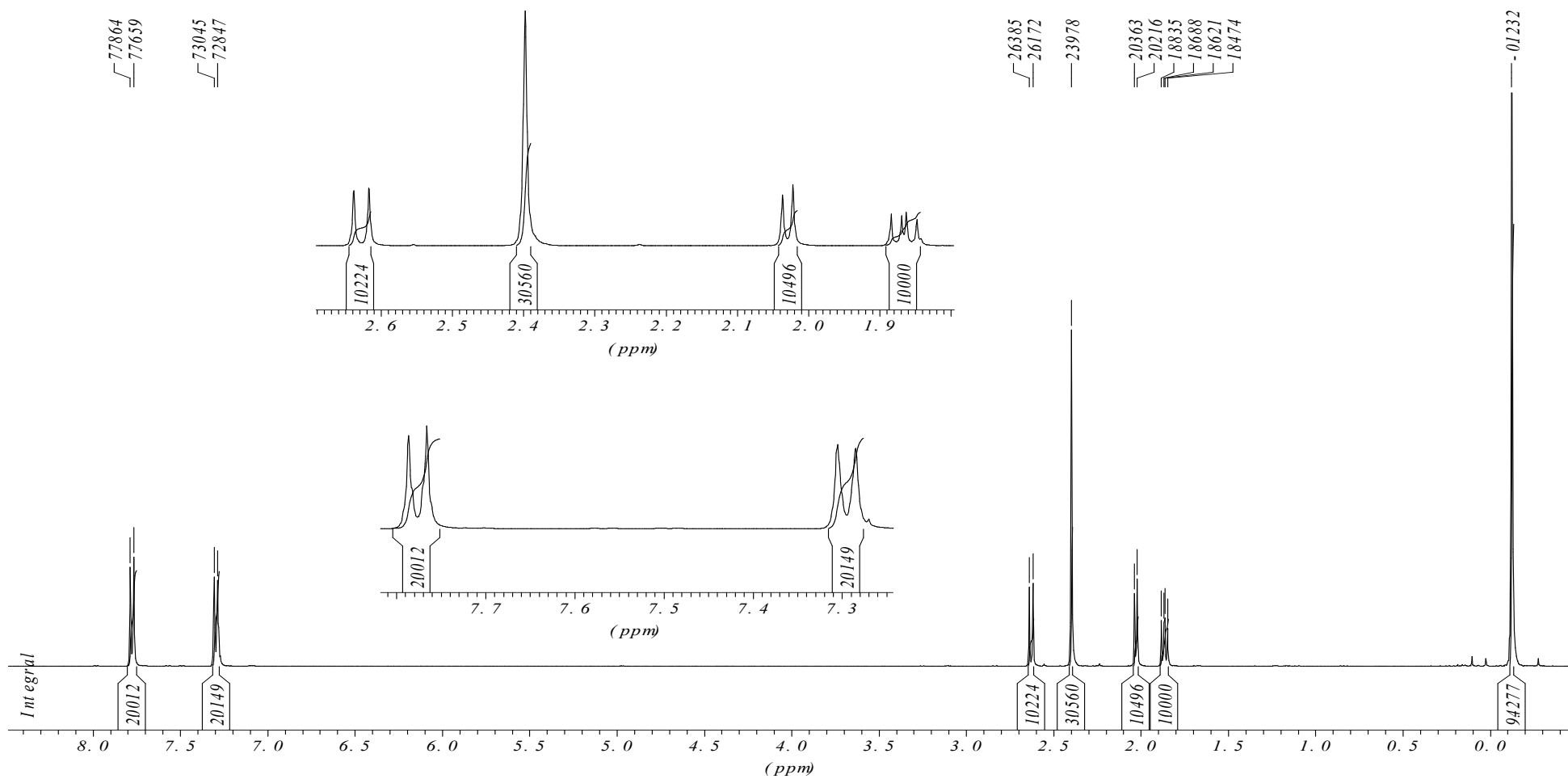
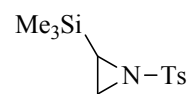
¹³C NMR spectrum of compound **10c**

1-(Phenylsulfonyl)-2-(trimethylsilyl)aziridine, 10c



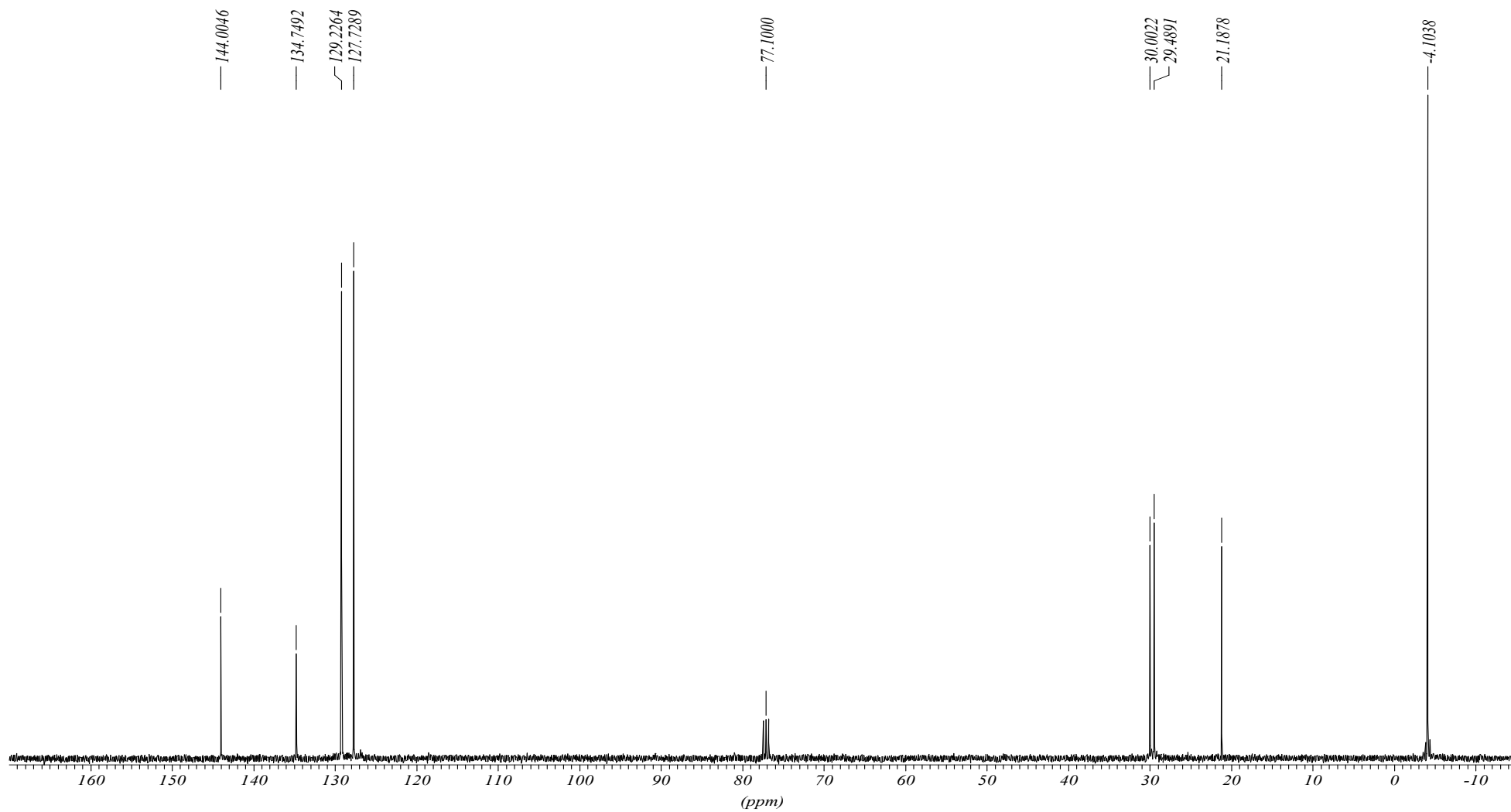
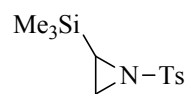
¹H NMR spectrum of compound **10d**

1-Tosyl-2-(trimethylsilyl)aziridine, 10d



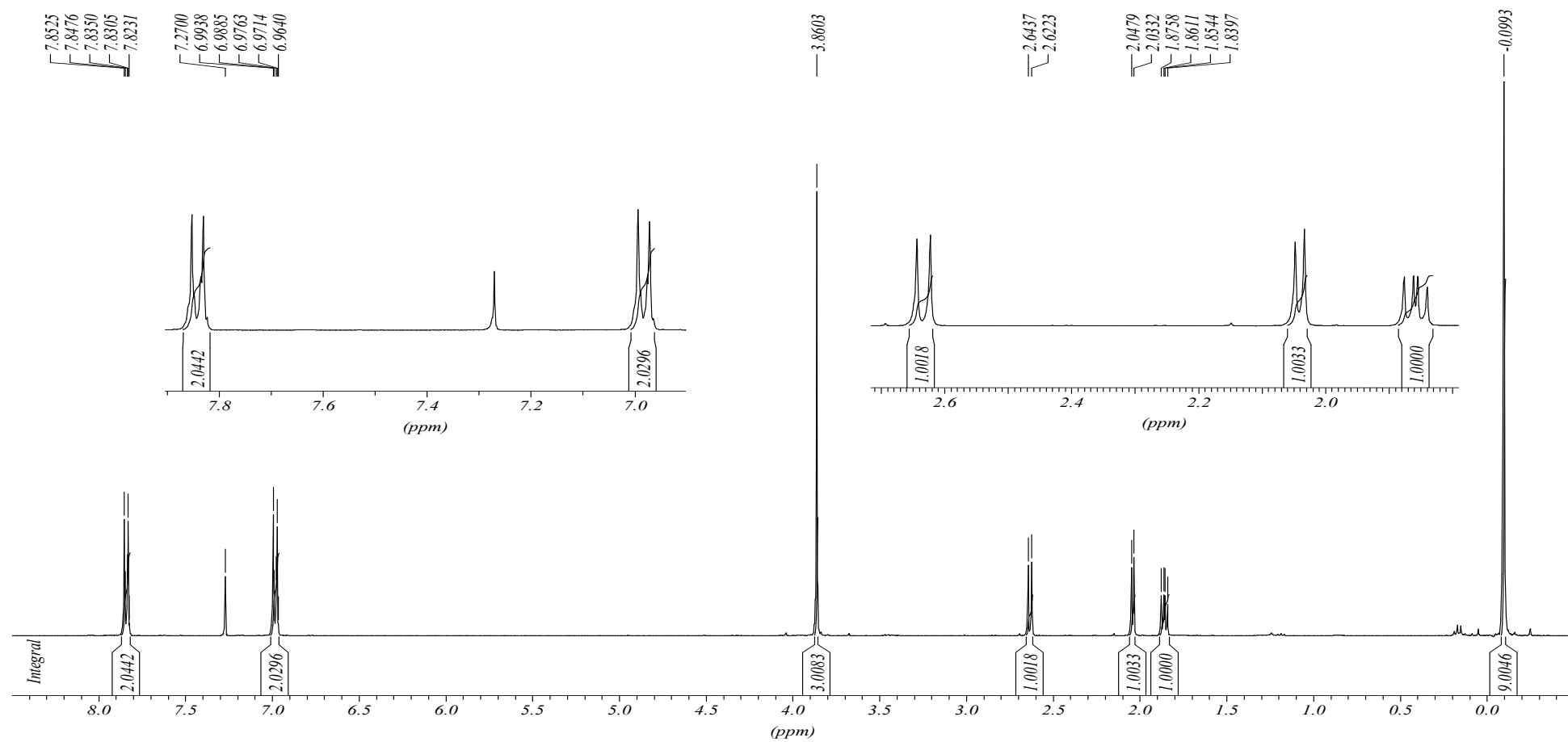
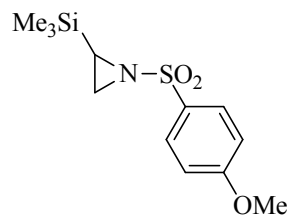
^{13}C NMR spectrum of compound **10d**

1-Tosyl-2-(trimethylsilyl)aziridine, 10d



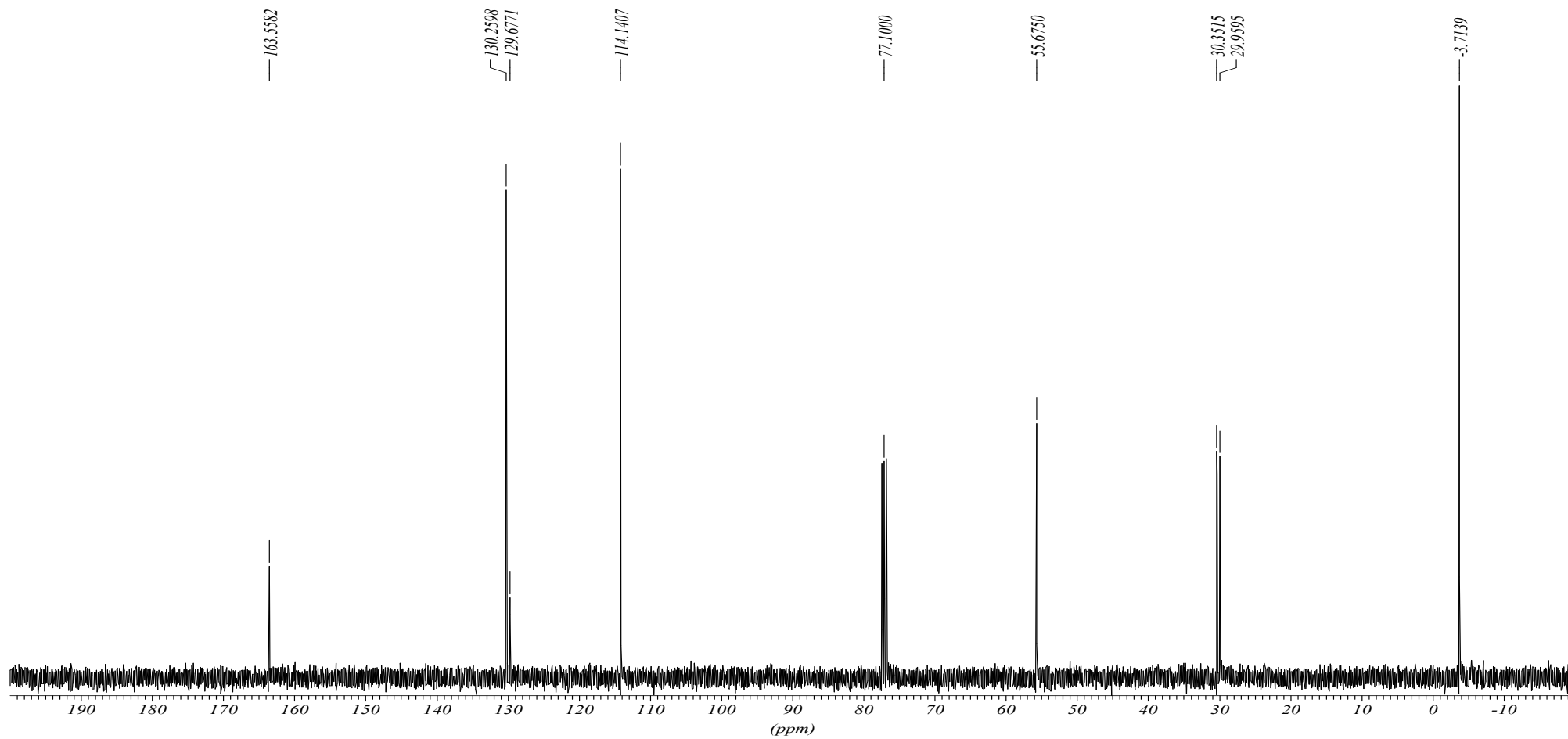
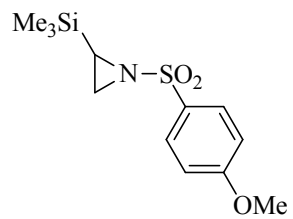
¹H NMR spectrum of compound **10e**

1-((4-Methoxyphenyl)sulfonyl)-2-(trimethylsilyl)aziridine, 10e



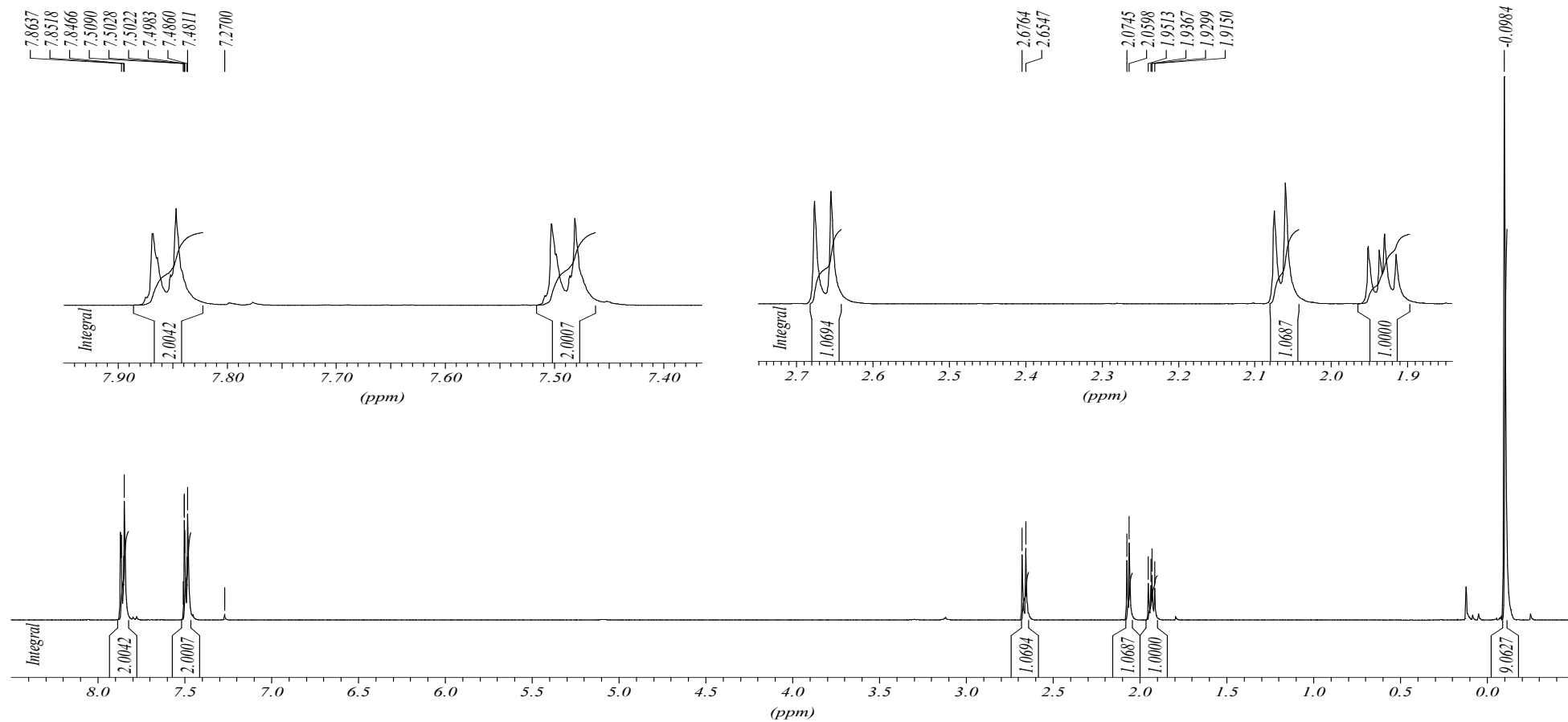
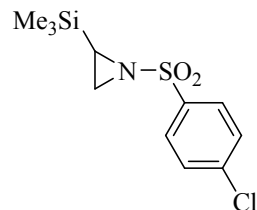
¹³C NMR spectrum of compound **10e**

1-((4-Methoxyphenyl)sulfonyl)-2-(trimethylsilyl)aziridine, 10e



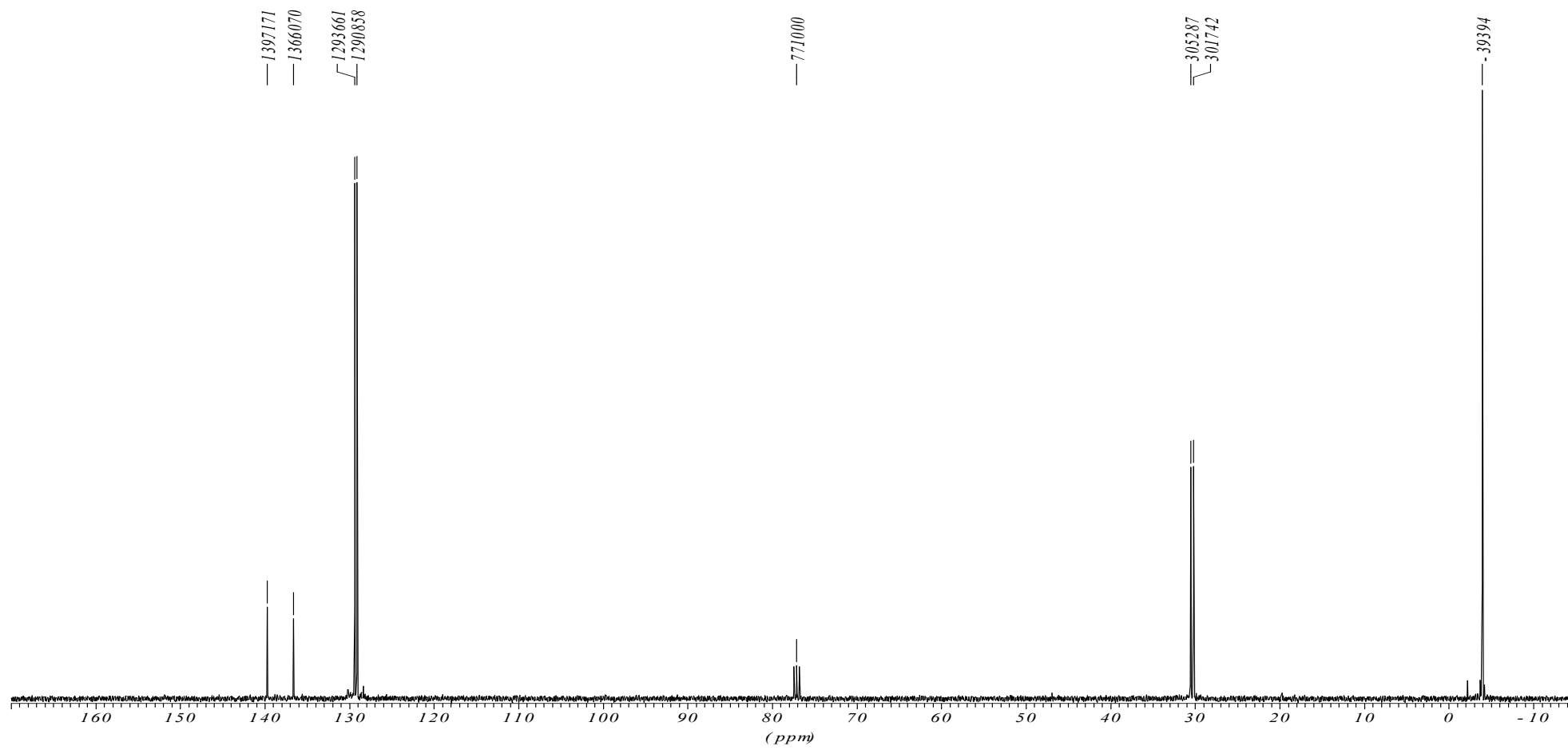
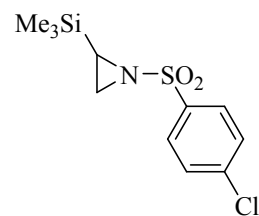
¹H NMR spectrum of compound **10f**

1-((4-chlorophenyl)sulfonyl)-2-(trimethylsilyl)aziridine, 10f



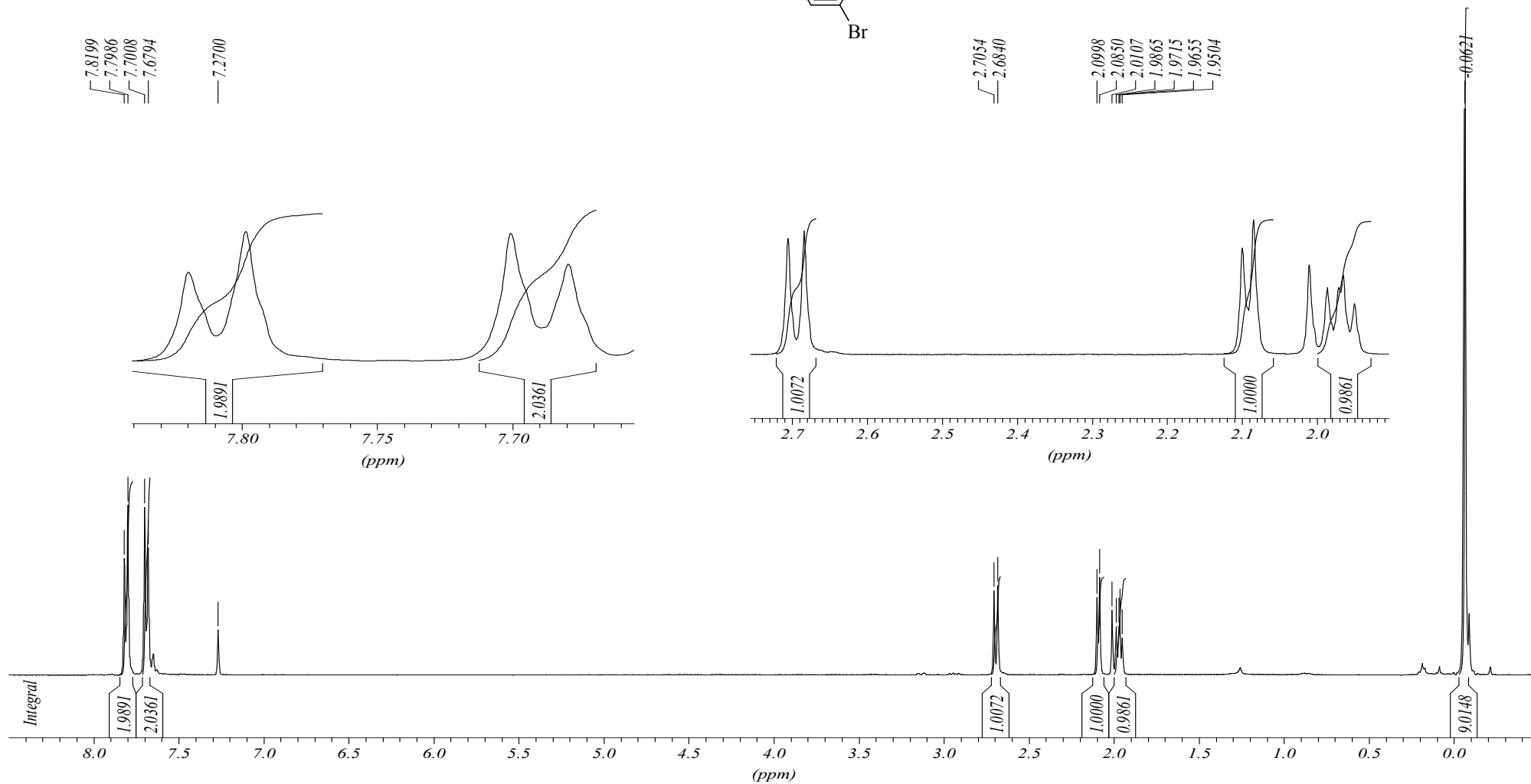
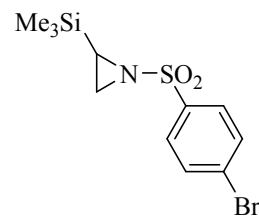
¹³C NMR spectrum of compound **10f**

1-((4-chlorophenyl)sulfonyl)-2-(trimethylsilyl)aziridine, 10f



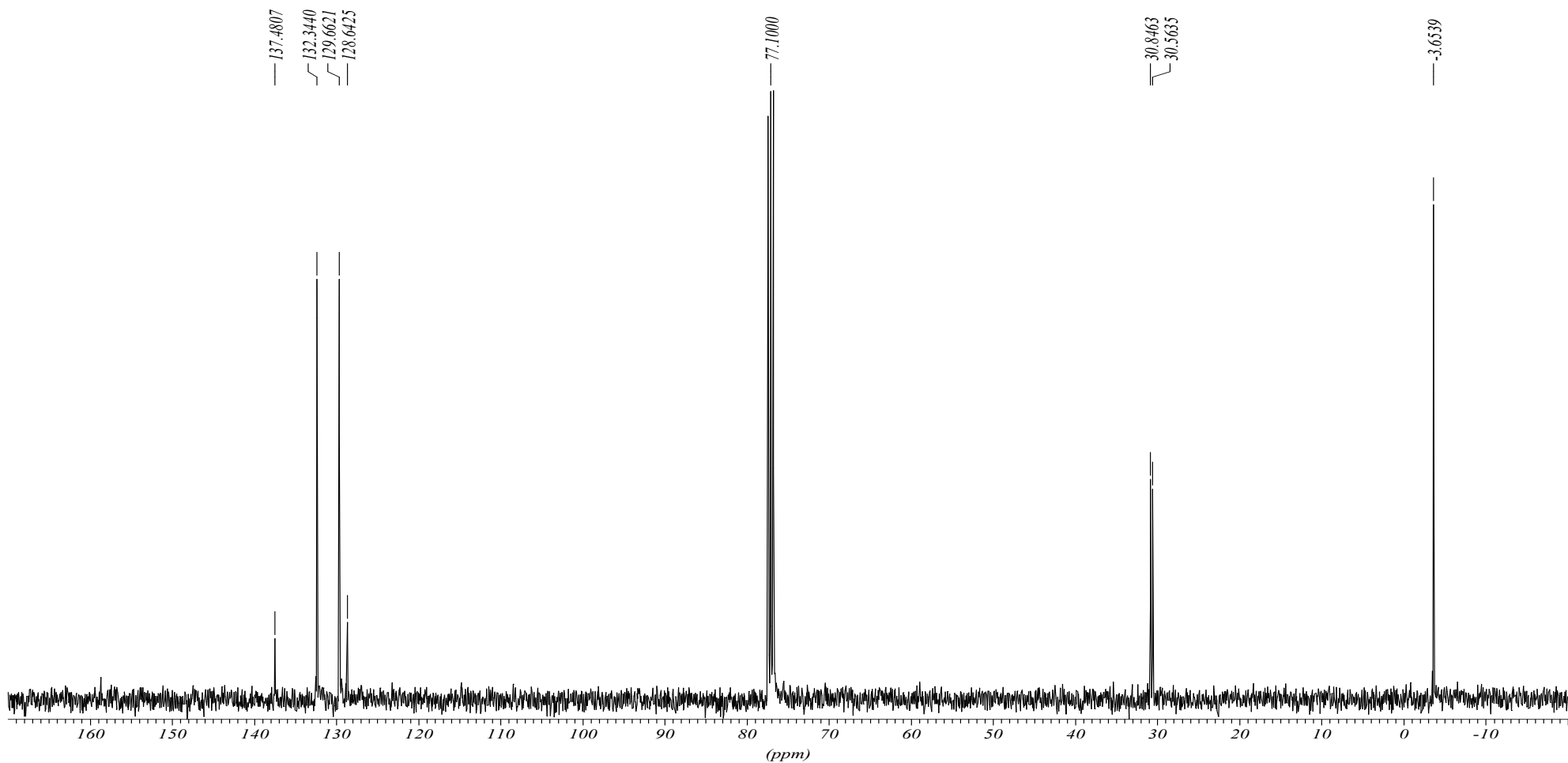
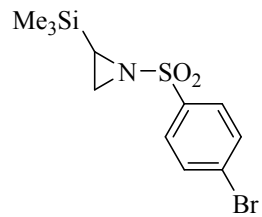
¹H NMR spectrum of compound **10g**

1-((4-Chlorophenyl)sulfonyl)-2-(trimethylsilyl)aziridine, 10g



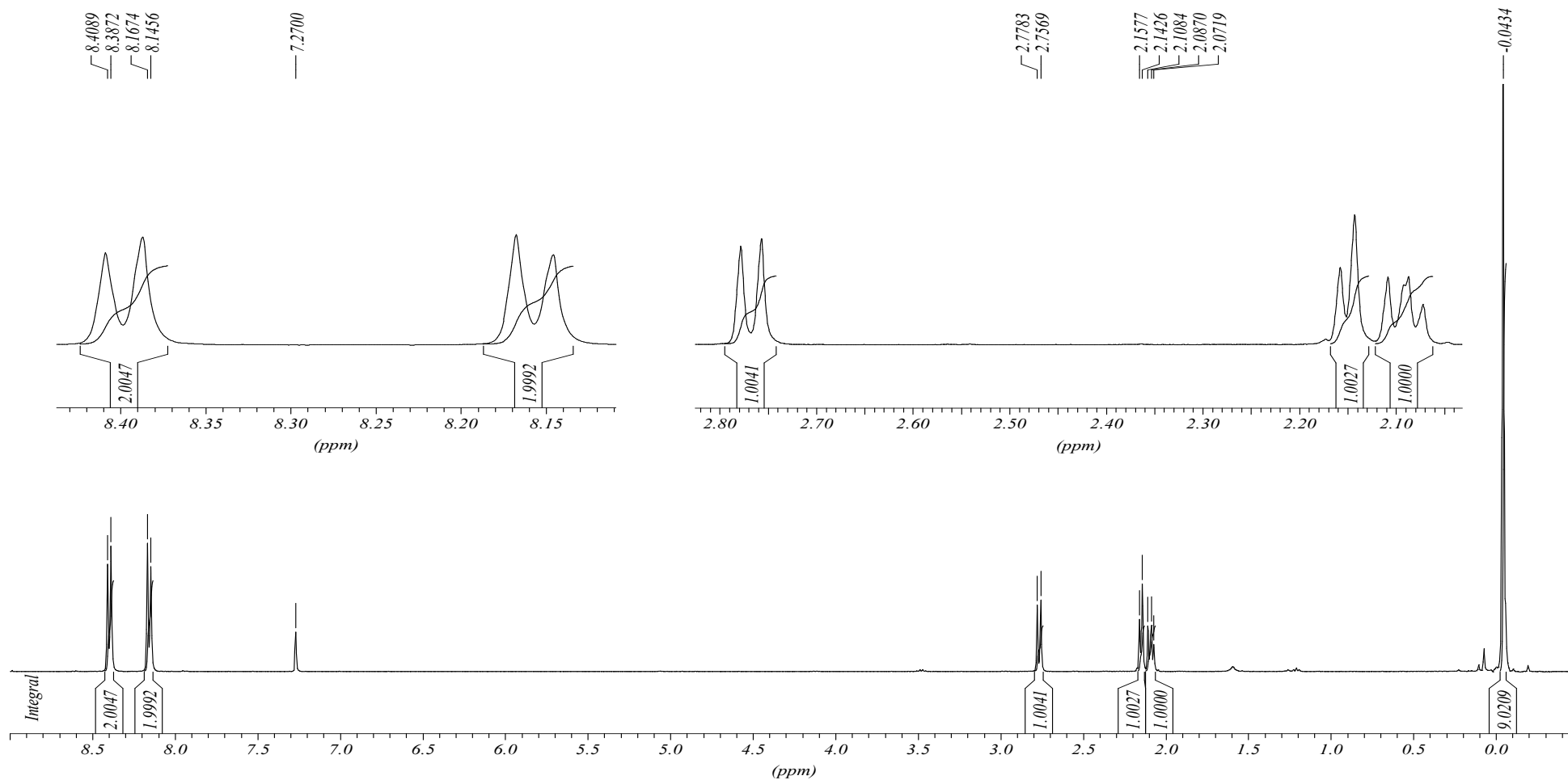
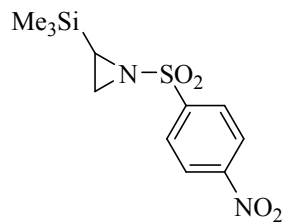
¹³C NMR spectrum of compound **10g**

1-((4-Chlorophenyl)sulfonyl)-2-(trimethylsilyl)aziridine, 10g

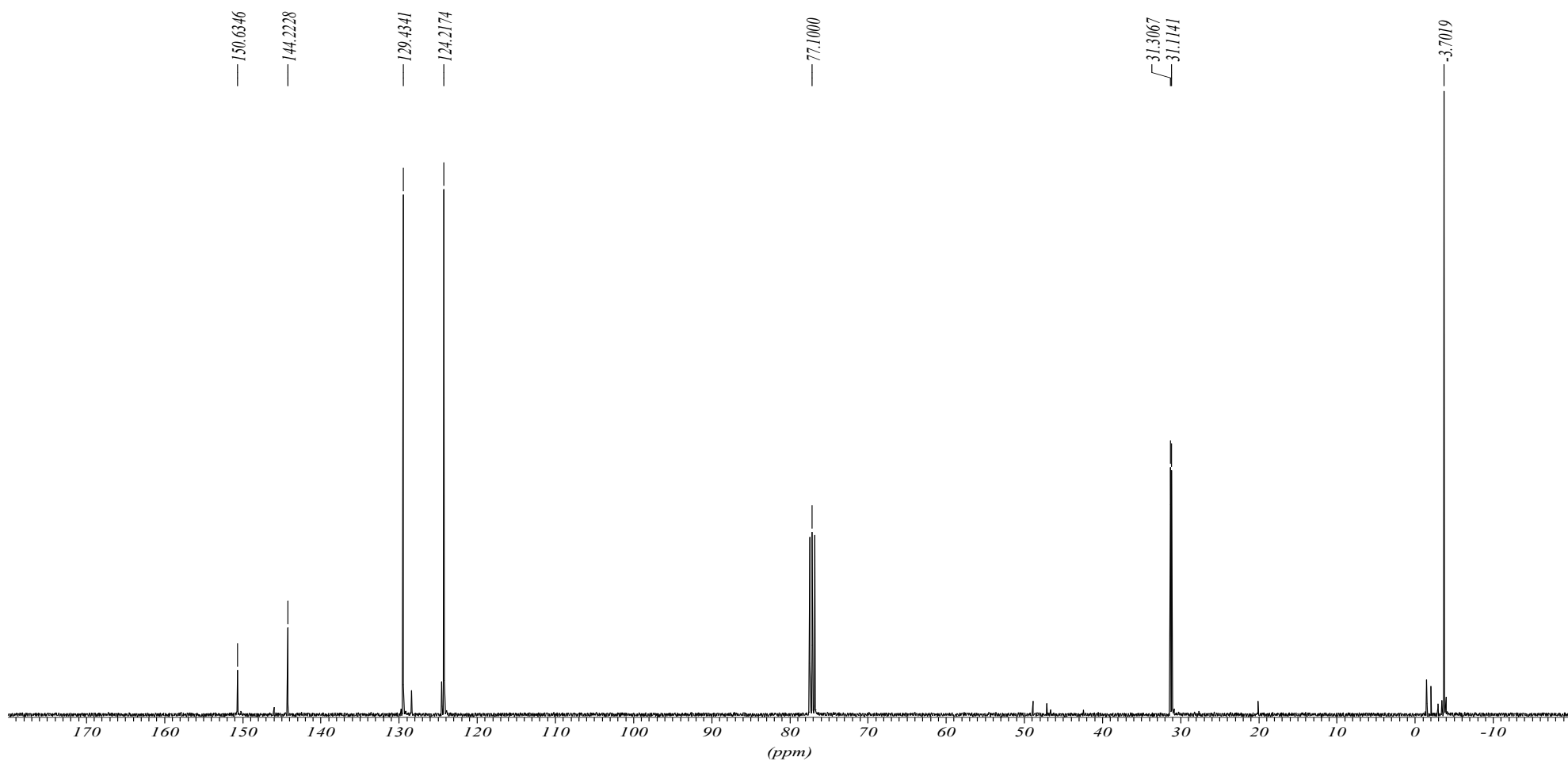
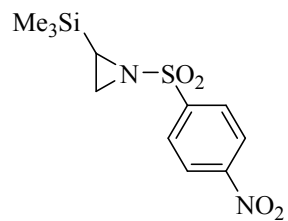


¹H NMR spectrum of compound **10h**

1-((4-Nitrophenyl)sulfonyl)-2-(trimethylsilyl)aziridine, 10h

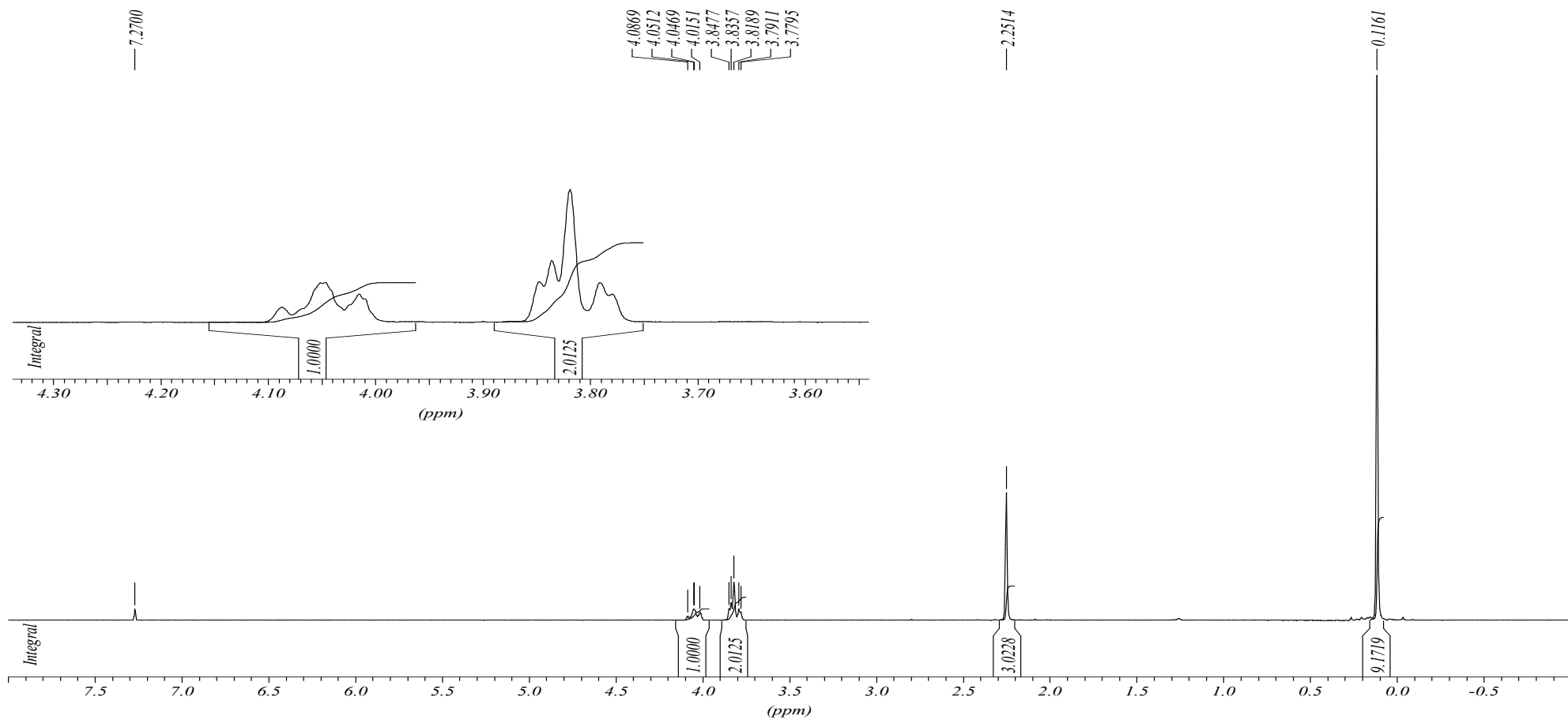
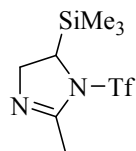


¹³C NMR spectrum of compound **10h**
1-((4-Nitrophenyl)sulfonyl)-2-(trimethylsilyl)aziridine, 10h



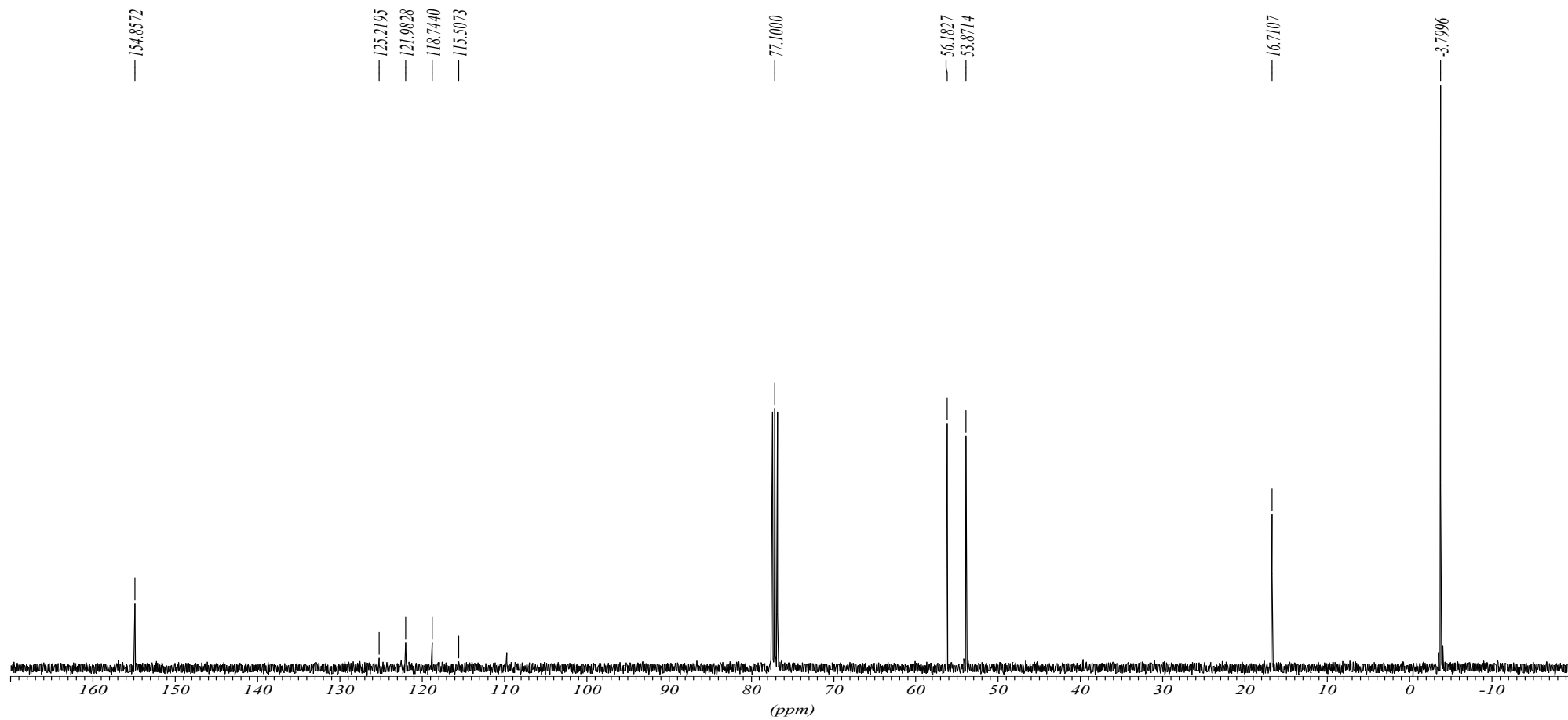
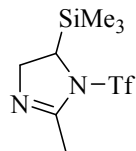
¹H NMR spectrum of compound **13**

2-Methyl-1-((trifluoromethyl)sulfonyl)-5-(trimethylsilyl)-4,5-dihydro-1H-imidazole, **13**



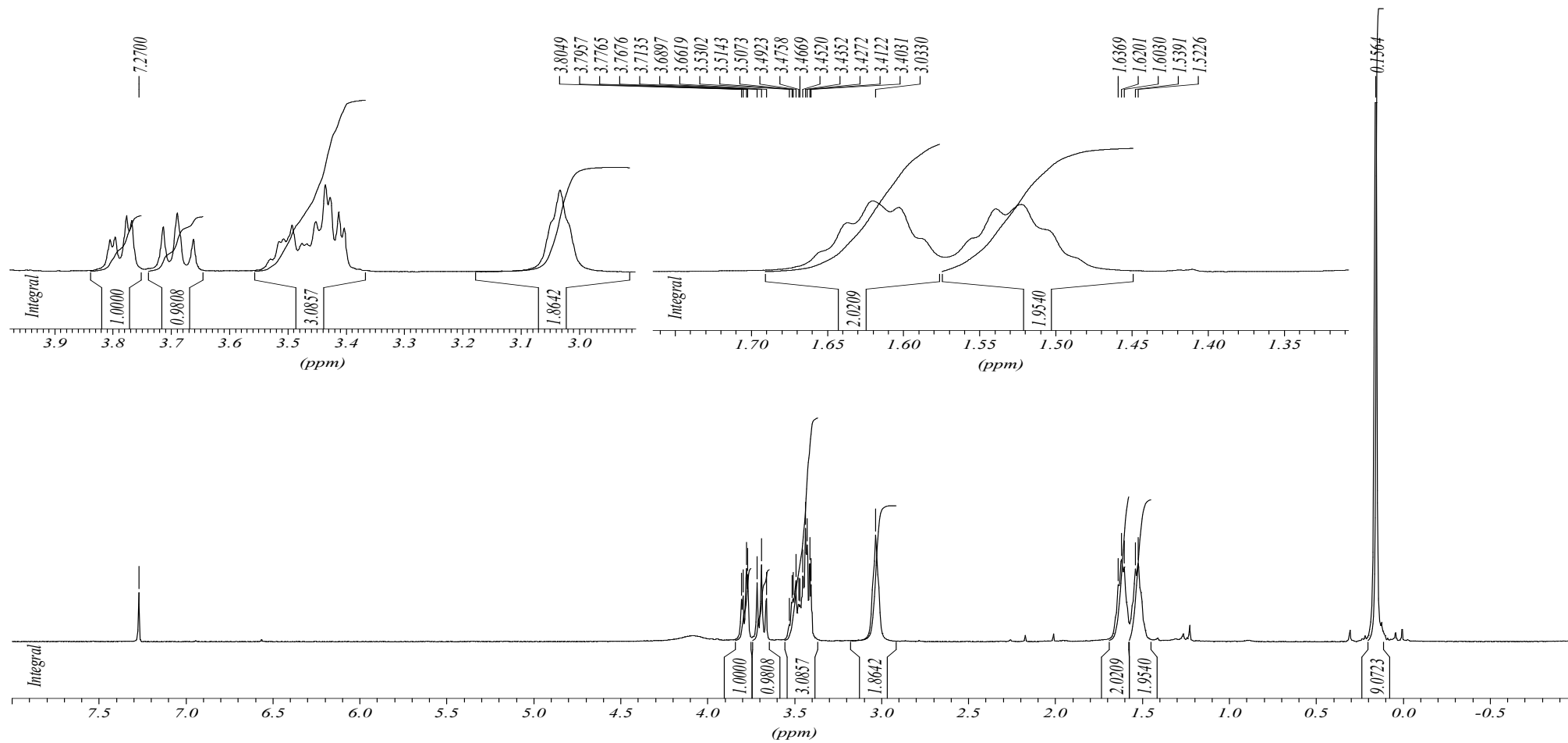
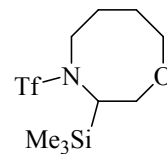
^{13}C NMR spectrum of compound **13**

2-Methyl-1-((trifluoromethyl)sulfonyl)-5-(trimethylsilyl)-4,5-dihydro-1H-imidazole, **13**



¹H NMR spectrum of compound **14**

4-((Trifluoromethyl)sulfonyl)-3-(trimethylsilyl)-1,4-oxazocane, **14**



^{13}C NMR spectrum of compound **14**

4-((Trifluoromethyl)sulfonyl)-3-(trimethylsilyl)-1,4-oxazocane, **14**

