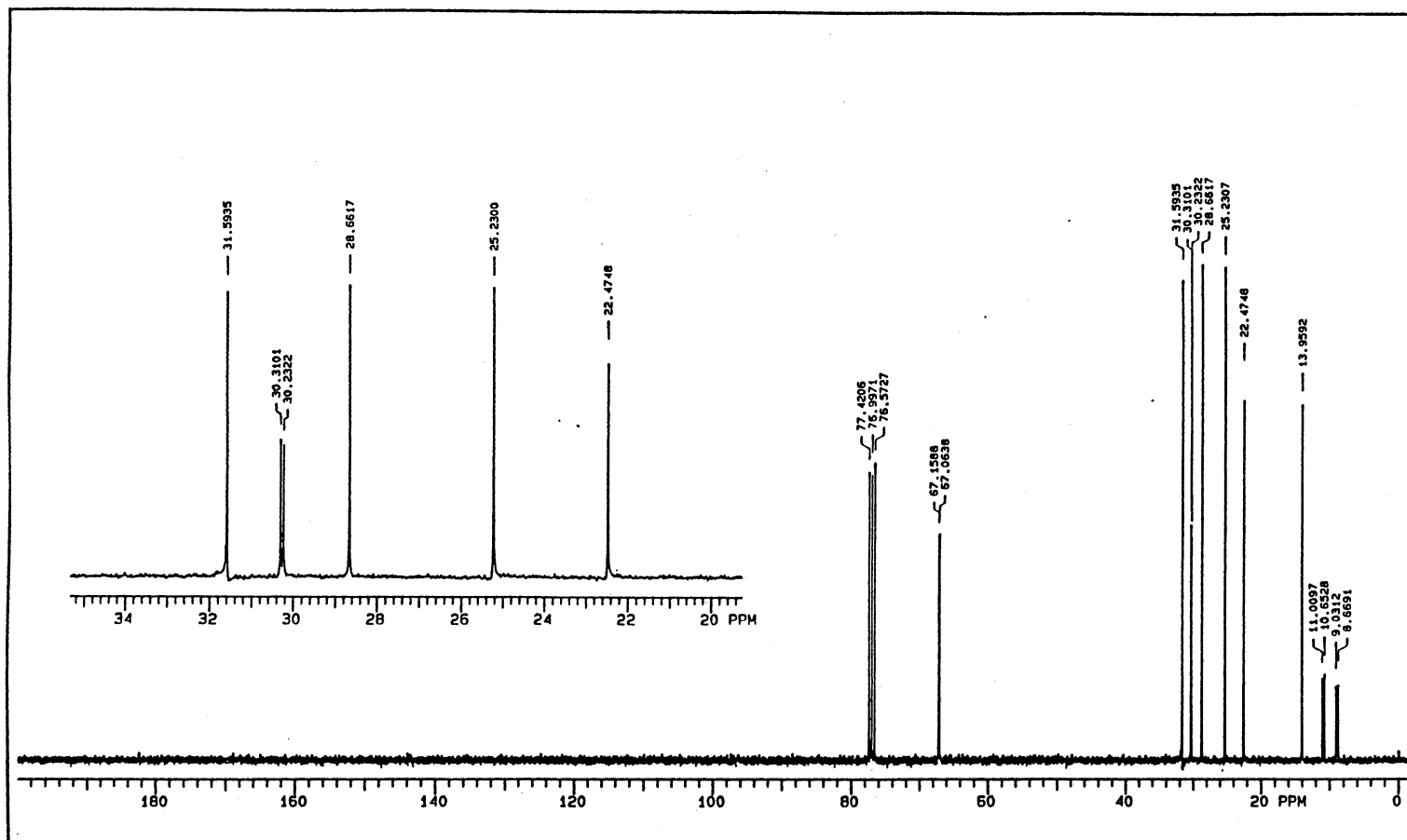
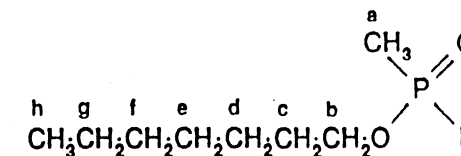


## Heptyl methylphosphonofluoridate

[ ]

 $^{13}\text{C}\{\text{H}\}\text{-NMR}$ nuc.       $\delta$  [ppm]

a	9.84
b	67.10
c	30.27
d	25.23
e	28.66
f	31.59
g	22.47
h	13.96

J(a,P)	149.1 Hz
J(a,F)	26.7 Hz
J(b,P)	7.1 Hz
J(c,P)	5.9 Hz

Res. freq. 75.429 MHz  
 Solvent:  $\text{CDCl}_3$   
 Temperature: 24°C  
 Concentration: approx. 100mg/ml  
 Reference:  $\text{CDCl}_3$  (77.0ppm)

Spectral width: 16502 Hz  
 Data points (FID): 54080  
 Data points (spec.): 32K  
 Pulse width: 5.6  $\mu\text{s}$  (38°)  
 Number of scans: 2271

Rep.time.: 1.64 s  
 Line broad.: exp., 0.5 Hz  
 Resolution: 1.08 Hz (C-a)  
 Instrument: Varian VXR-300  
 Filename: