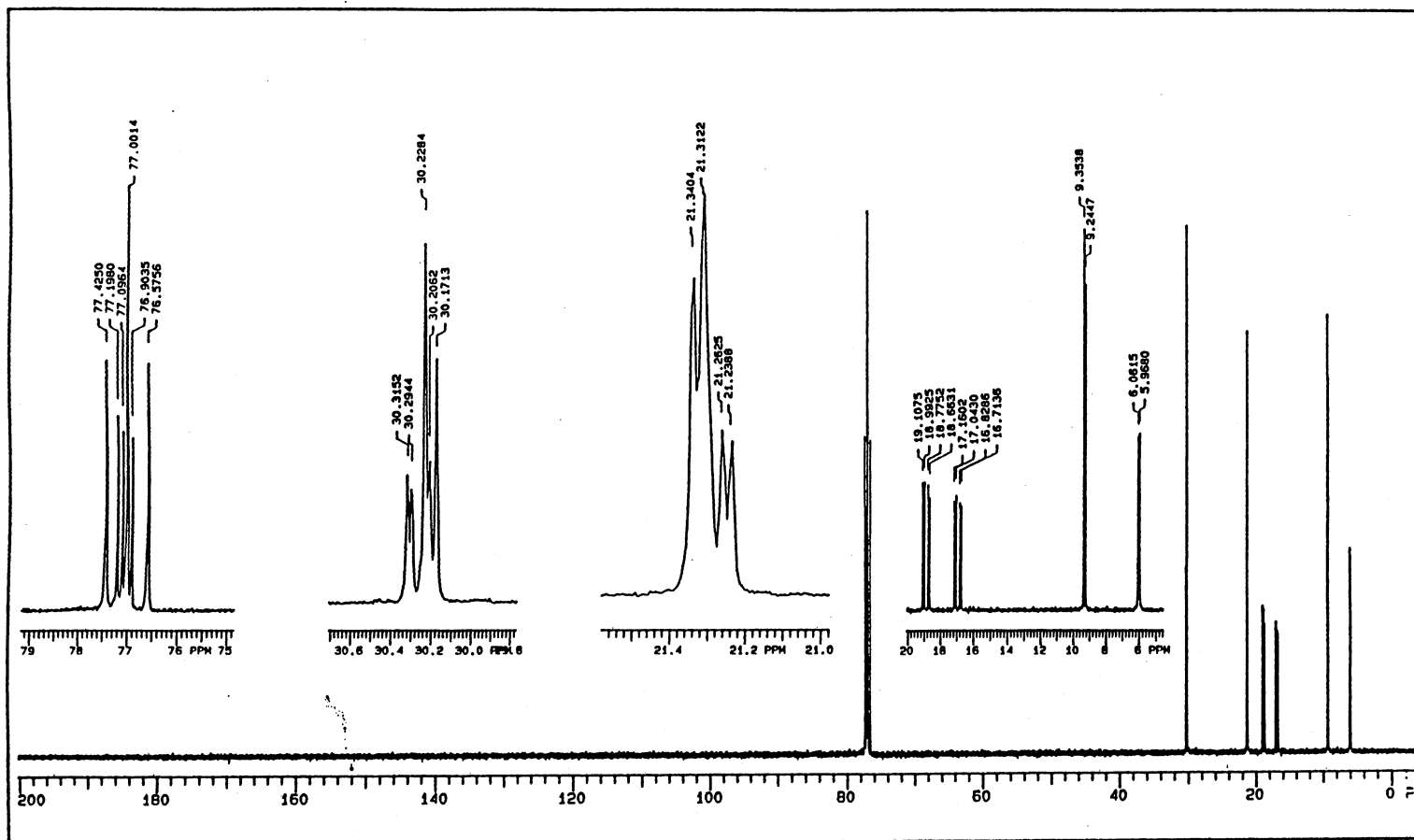
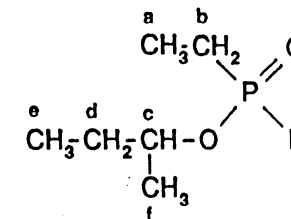


sec-Butyl ethylphosphonofluoridate

[]

 $^{13}\text{C}\{\text{H}\}$ -NMR

nuc.	δ [ppm]
a	6.01
b	17.91, 18.02
c	76.95, 77.14
d	30.20, 30.30
e	9.24, 9.35
f	21.28, 21.33

J(a,P)	7.3 Hz
J(b,P)	147.0 Hz
J(b,F)	25.2 Hz
J(c,P)	8.2 Hz
J(d,P)	4.3, 6.6 Hz
J(d,F)	1.6 Hz
J(f,P)	5.0, 2.2 Hz
J(f,F)	1.8 Hz

mixture of diastereomers

Res. freq. 75.429 MHz
 Solvent: CDCl_3
 Temperature: 24°C
 Concentration: approx. 100mg/ml
 Reference: CDCl_3 (77.0ppm)

Spectral width: 16502 Hz
 Data points (FID): 54080
 Data points (spec.): 32K
 Pulse width: 5.6 μs (38°)
 Number of scans: 33497

Rep.time.: 1.64 s
 Line broad.: exp., 0.5 Hz
 Resolution: 1.17 Hz (C-b)
 Instrument: Varian VXR-300
 Filename: