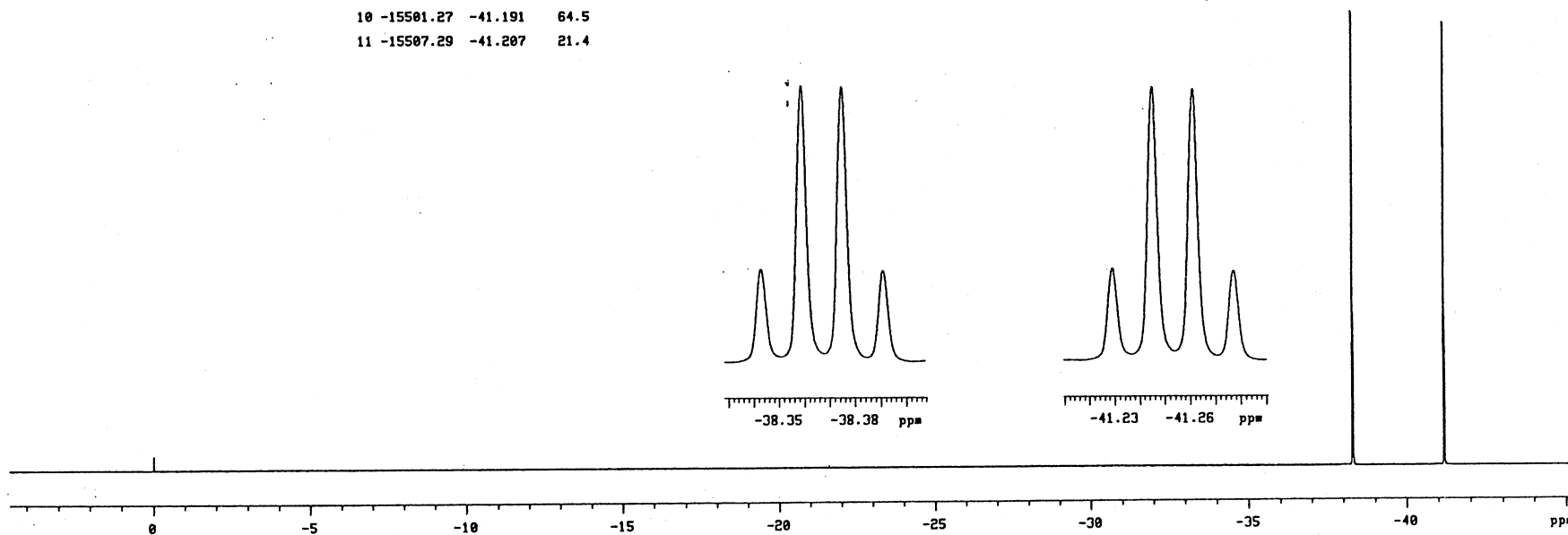
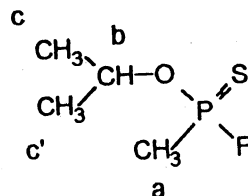


19F-NMR f1121a3 + sp CFC13
 ca 179mg isopropyl methylthiophos-
 phonofluoridate in ca 0.7ml CDCl3
 214195126.006 jrn.342;145/200
 OBSERVE F19
 FREQUENCY 376.326 MHz
 SPECTRAL WIDTH 18797.0 Hz
 ACQUISITION TIME 3.405 sec
 RELAXATION DELAY 7.400 sec
 PULSE WIDTH 22.7 usec
 TEMPERATURE 30.0 deg. C.
 NO. REPETITIONS 8
 DOUBLE PRECISION ACQUISITION
 DATA PROCESSING
 FT SIZE 262144
 TOTAL ACQUISITION TIME 1 minutes

SPECTRAL LINES for th=0.6
 rfl= 17082.1 rfp= 0.0
 CFC13 internal

nr	Hz	ppm	intensity
1	2.29	0.006	2.0
2	0.00	0.000	2.0
3	-2.29	-0.006	0.7
4	-14403.17	-38.273	22.2
5	-14409.20	-38.289	66.5
6	-14415.22	-38.305	66.2
7	-14421.39	-38.321	22.0
8	-15489.22	-41.159	21.8
9	-15495.25	-41.175	64.9
10	-15501.27	-41.191	64.5
11	-15507.29	-41.207	21.4



Isopropyl methylthiophosphonofluoridate(thiosarin)
 CAS 4241-37-6
 Nucleus : ¹⁹F
 Frequency : 376.3 MHz
 Concentration : ca. 179 mg/0.7 ml CDCl₃
 Reference CFCl₃ internal. Resolution : 0.8 Hz (CFCl₃)
 Instrument : Varian VXR 400S

Temperature : 30 °C
 Spectral width : 18797.0 Hz
 Data point (FID) : 128 K
 Pulse angle : 22.7 μs (60°)
 Number of pulses : 64
 Repetition time : 10.8 s
 Line broadening : not used
 Data points (spec) : 256 K

F: -39.7 ppm J(PF) : 1086.1 Hz
 J(aF) : 6.0 Hz