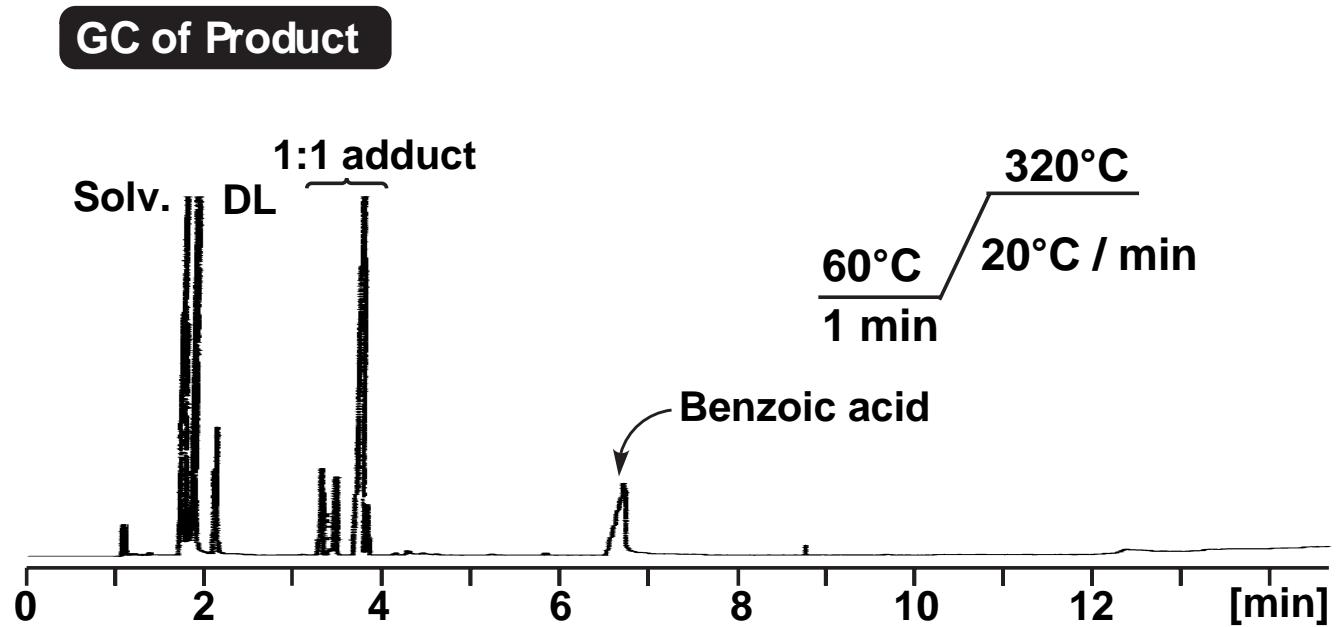
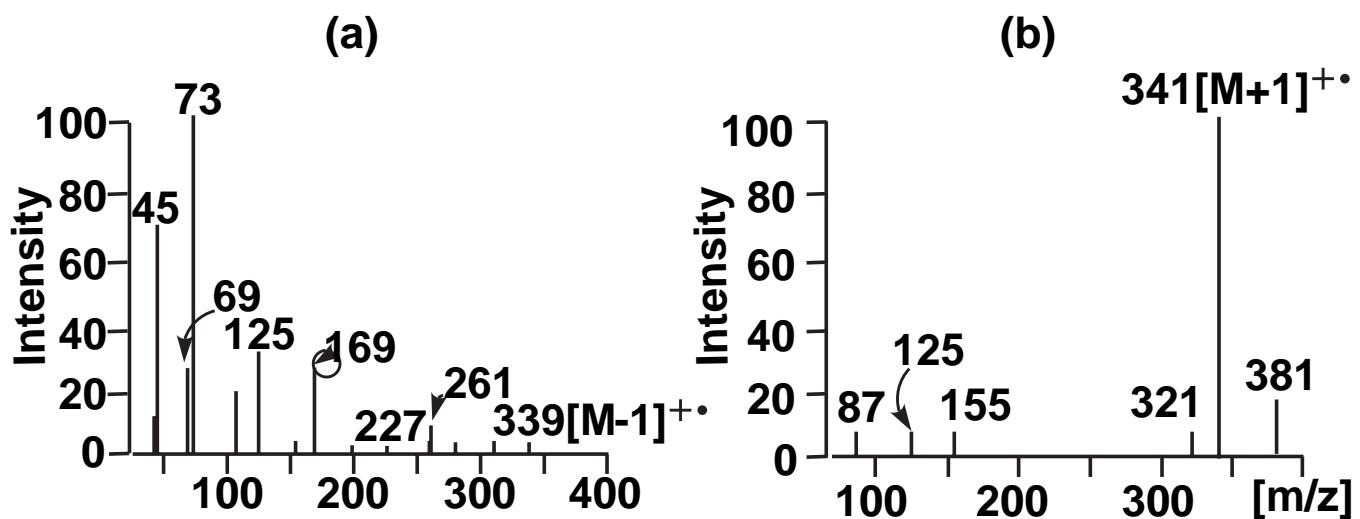


supplement



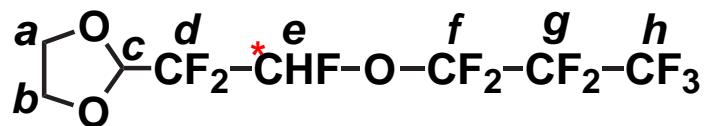
GC of PPVE – DL reaction mixture

supplement



EI (a) and CI (b) mass spectra of PPVE – DL reaction mixture

supplement



^1H -NMR

CHCl_3

$^1\text{H}\{^{19}\text{F}(-100\text{ppm})\}$ -NMR

$^{13}\text{C}\{^1\text{H}(5\text{ppm})\}$ -NMR

$^{13}\text{C}\{^1\text{H}(5\text{ppm}), ^{19}\text{F}(-100\text{ppm})\}$ -NMR

$^{19}\text{F}(-100\text{ppm})\{^1\text{H}(5\text{ppm})\}$ -NMR

TMS

δ in ppm

6

4

2

0

δ in ppm

120

80

40

0

-80

-100

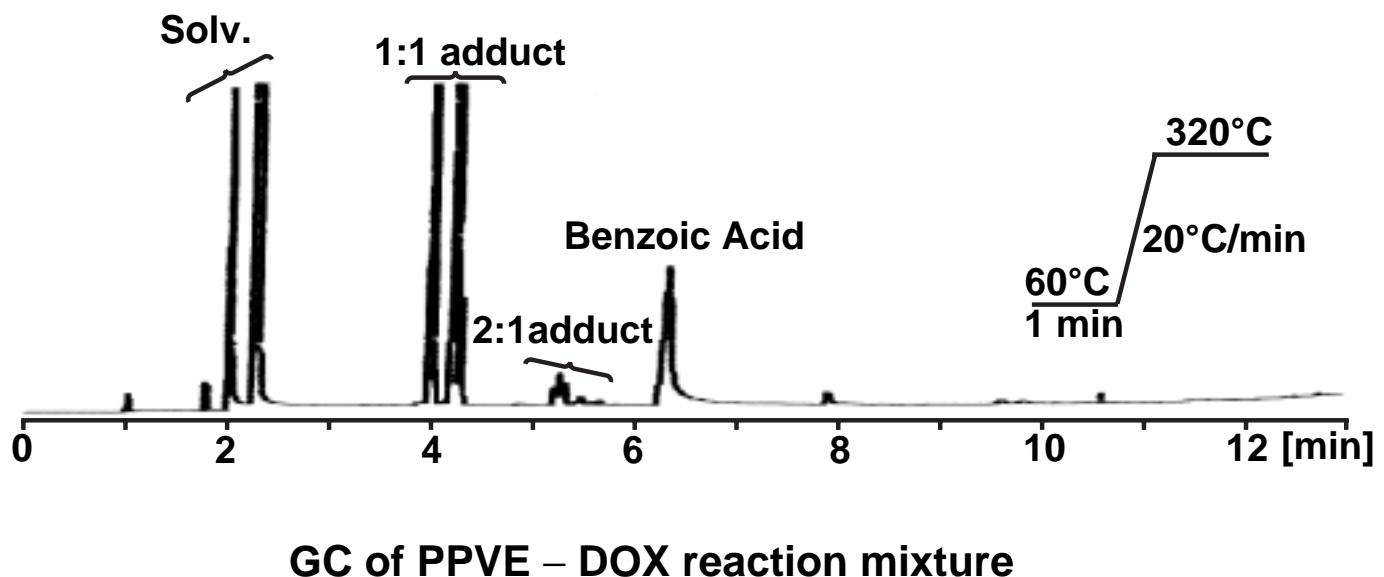
-120

-140

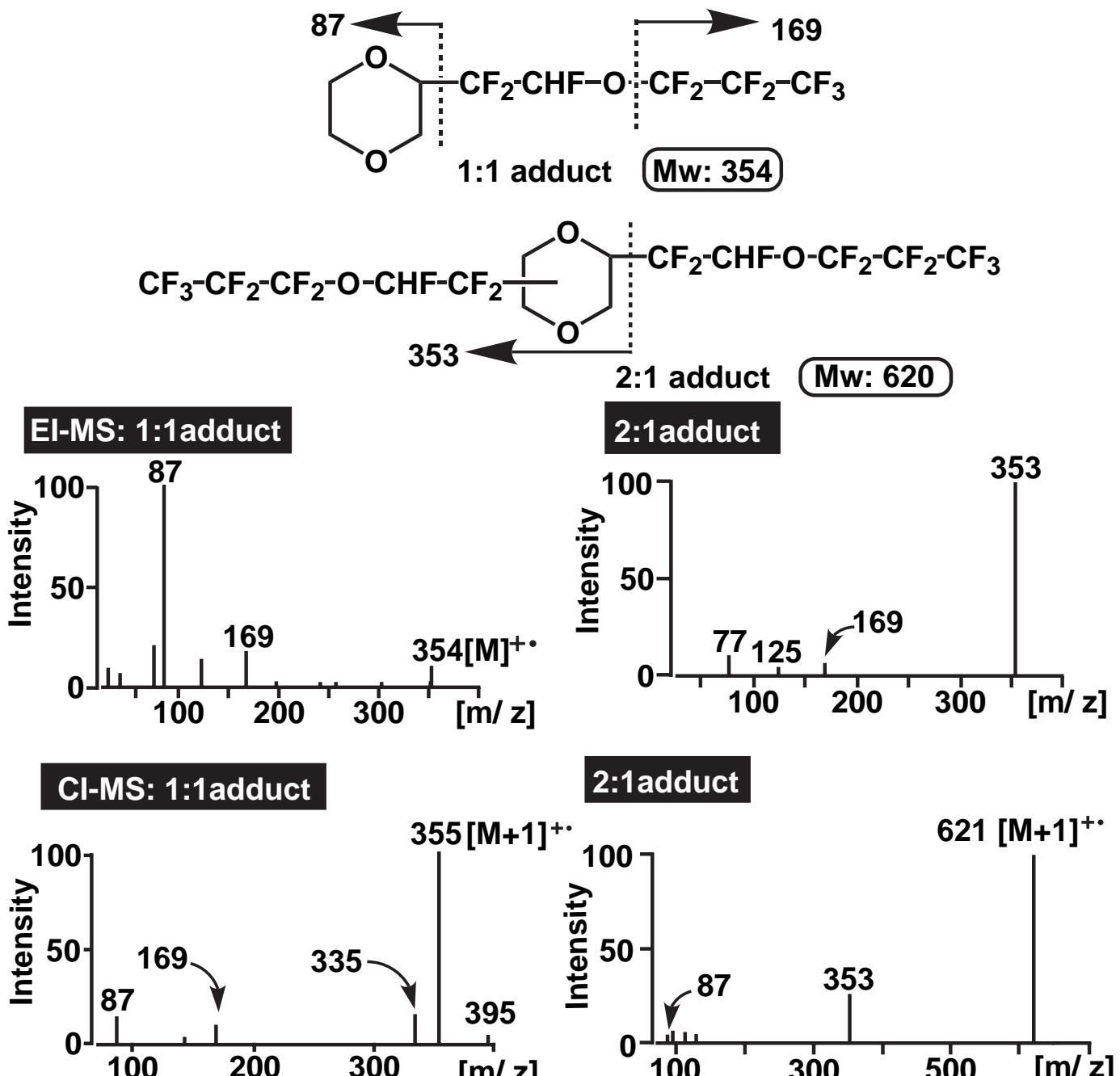
δ in ppm

NMR of PPVE – DL reaction mixture

supplement

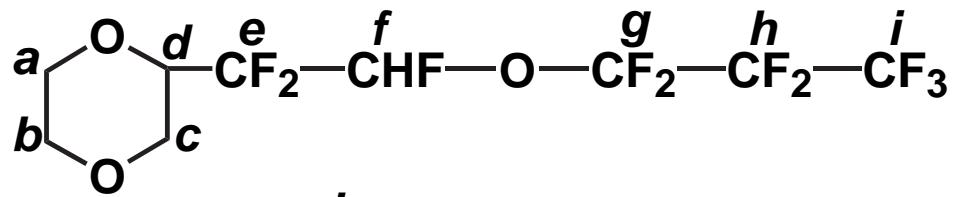


supplement



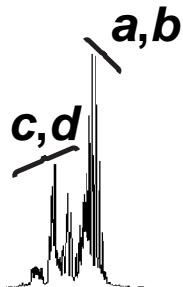
Mass spectra of PPVE – DOX reaction mixture

supplement



$^1\text{H}(5\text{ppm})$ -NMR

CHCl_3



TMS

$^1\text{H}(5\text{ppm})\{^{19}\text{F}(-100\text{ppm})\}$ -NMR

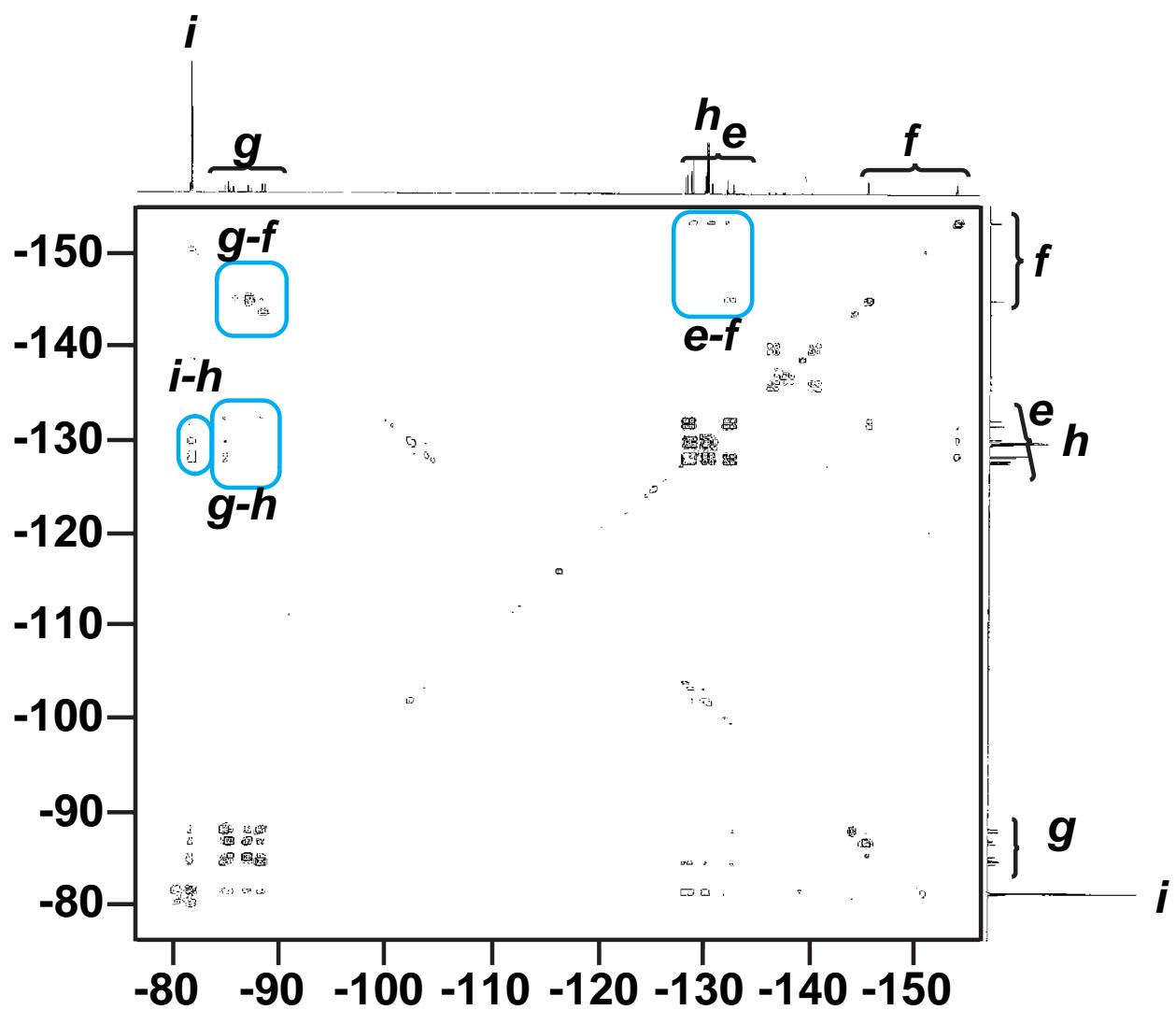
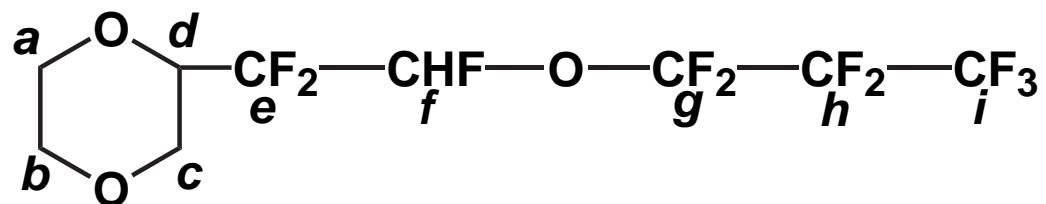
$^{13}\text{C}\{^1\text{H}(5\text{ppm})\}$ -NMR

$^{13}\text{C}\{^1\text{H}(5\text{ppm}), ^{19}\text{F}(-100\text{ppm})\}$ -NMR

$^{19}\text{F}(-100\text{ppm})\{^1\text{H}(5\text{ppm})\}$ -NMR

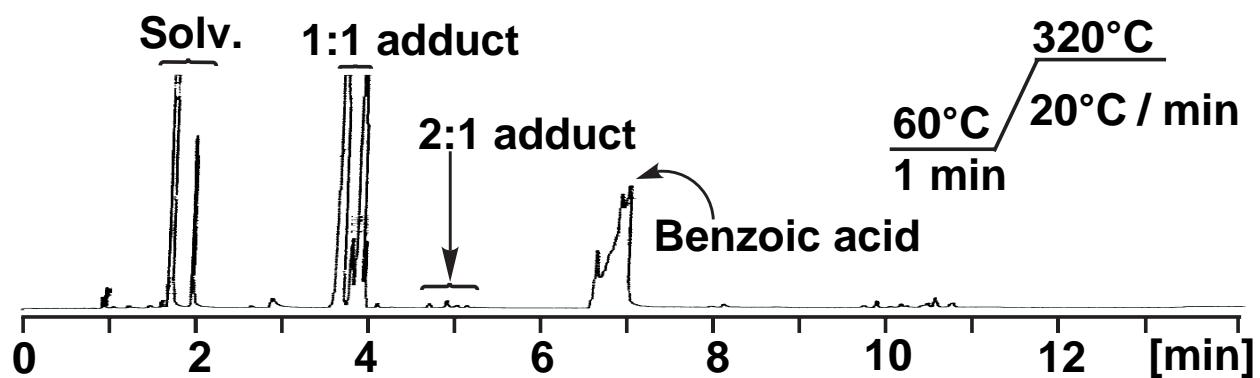
NMR of the PPVE-DOX reaction mixture

supplement



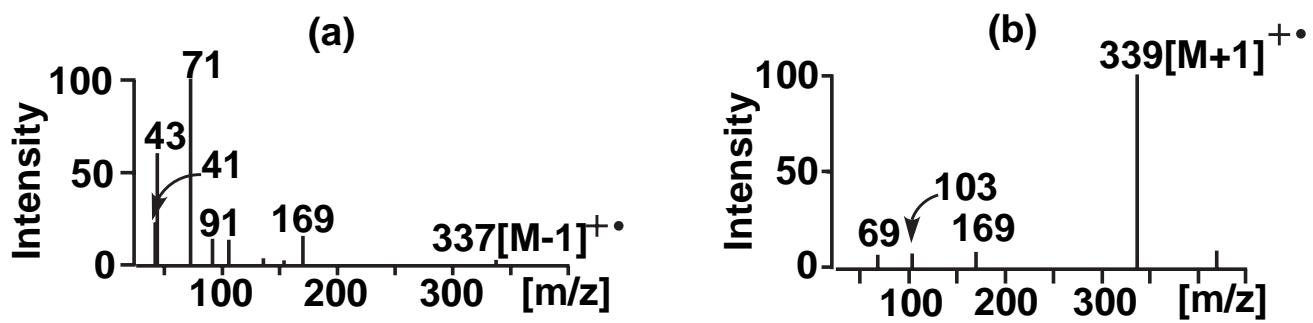
COSY of PPVE – DOX reaction mixture

supplement



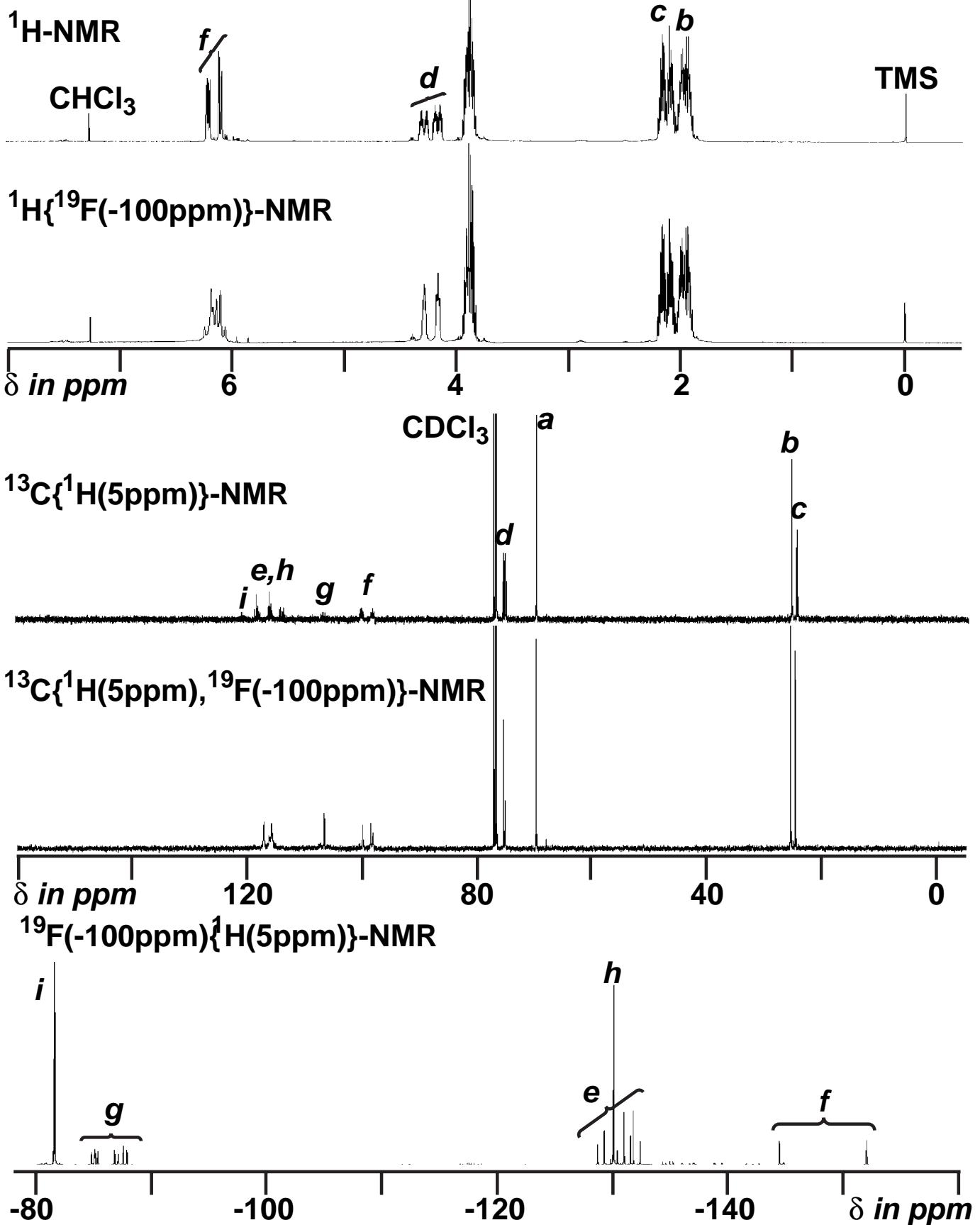
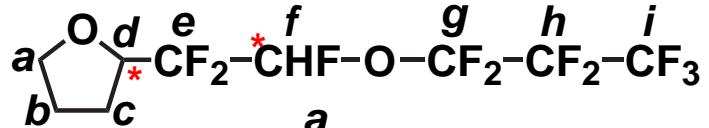
GC of PPVE – THF reaction mixture

supplement



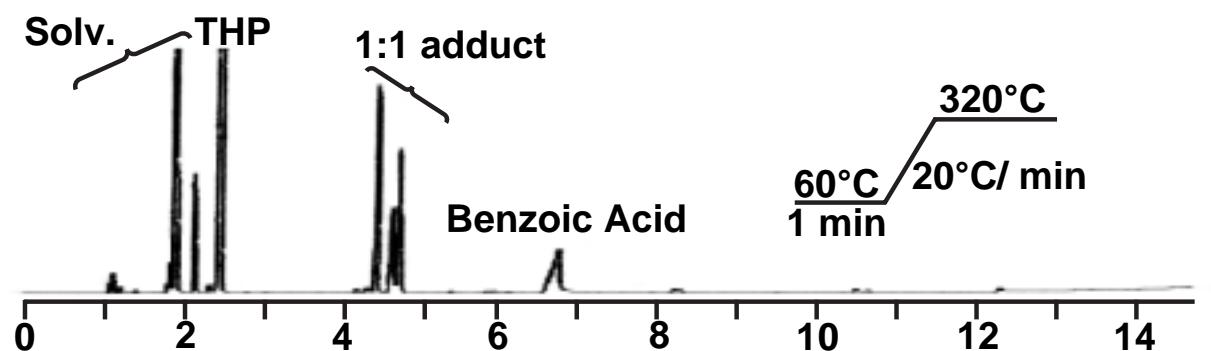
EI (a) and CI (b) mass spectra of PPVE – THF reaction mixture

supplement



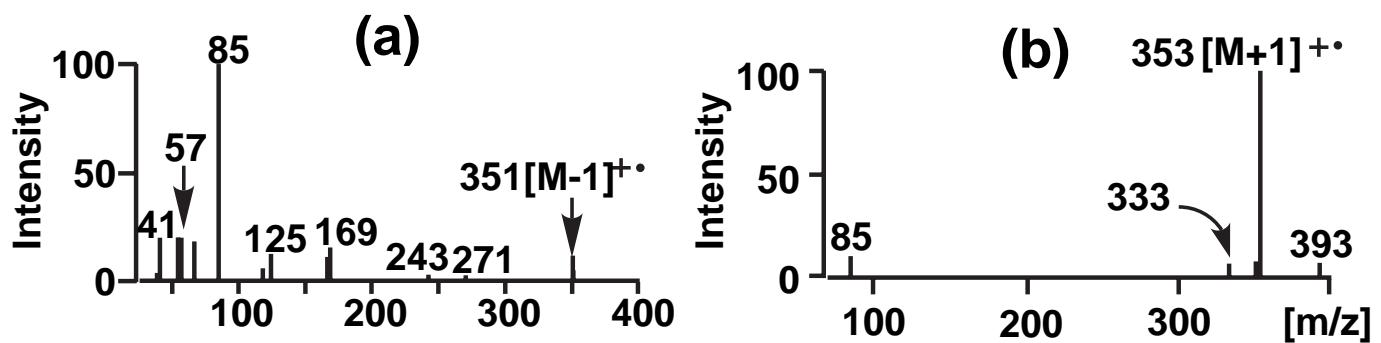
NMR of PPVE – THF reaction mixture

supplement



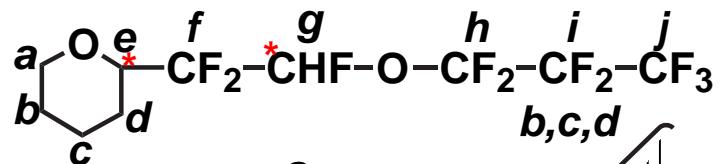
GC of PPVE – THP reaction mixture

supplement



EI (a) and CI (b) mass spectra of PPVE – THP reaction mixture

supplement



¹H-NMR

CHCl₃

g
X

a
e

b,c,d

TMS

¹H{¹⁹F(-100ppm)}-NMR

δ in ppm

6

4

2

0

¹³C{¹H(5ppm)}-NMR

δ in ppm

120

80

40

0

¹³C{¹H(5ppm),¹⁹F(-100ppm)}-NMR

δ in ppm

-80

-120

-140

δ in ppm

¹⁹F(-100ppm){¹H(5ppm)}-NMR

j

h

X

i

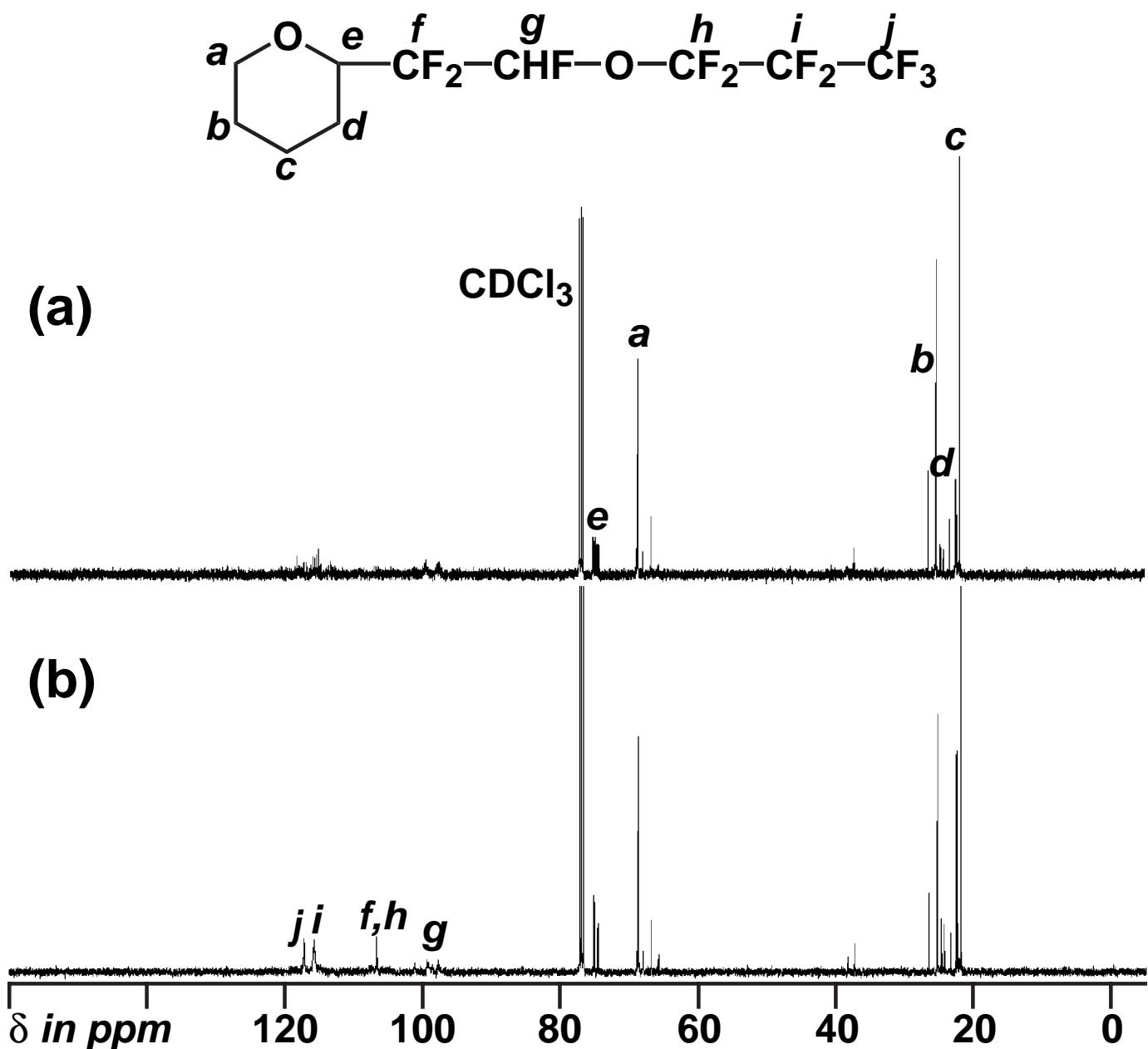
X

g

f

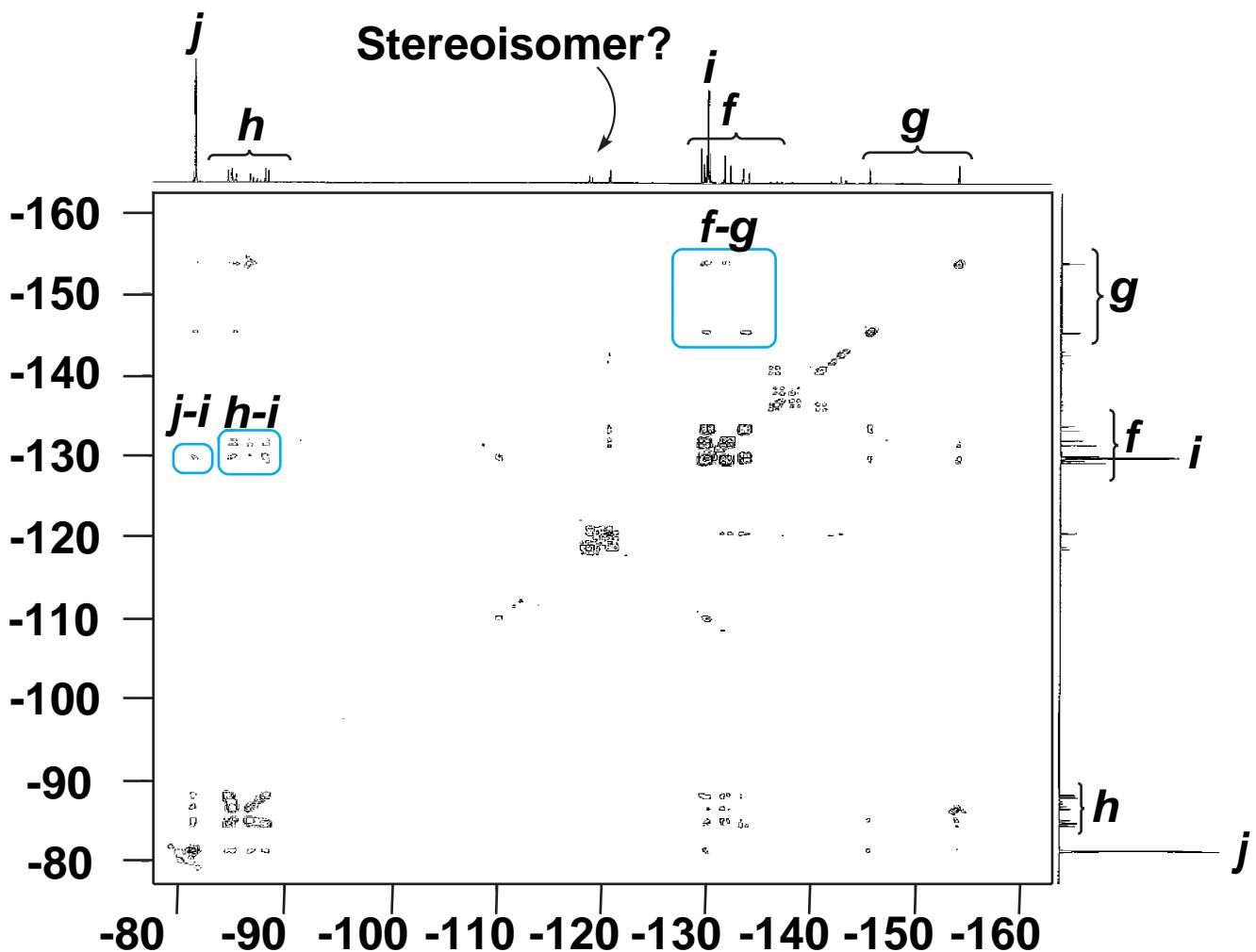
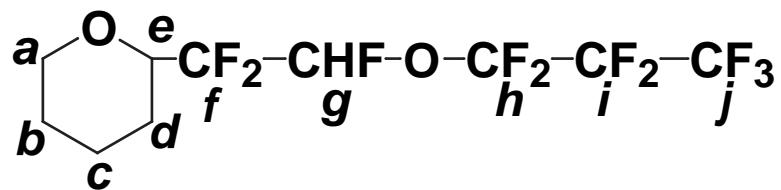
NMR of PPVE – THP reaction mixture

supplement



^{13}C (a), and F-decoupled ^{13}C (b) spectra of the PPVE-THP reaction mixture

supplement



¹⁹F-¹⁹F COSY of PPVE – THP reaction mixture