



**Figure 47.** Computer simulation of EPR spectra of 1%  $^{53}\text{Cr(III)}$  doped into  $\text{CsAl(SO}_4)_3$  measured in the perpendicular and parallel modes of the ER4116 DM dual mode resonator: (a) perpendicular mode showing the allowed transitions; (b) parallel mode showing the forbidden resonances; (c,d) computer simulation of (a) and (b), respectively. Computer simulation details are given in Figure 46. Reproduced with permission of Bruker Biospin.