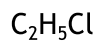


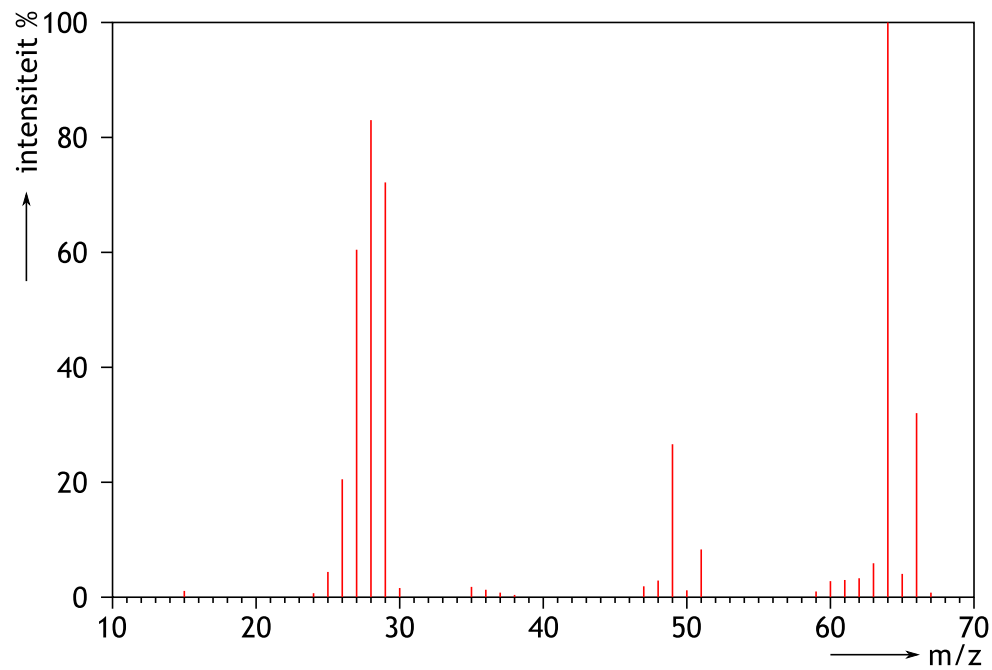
Op de volgende pagina's vind je steeds twee spectra. Eén massaspectrum en één infraroodspectrum. De molecuulformule staat steeds bovenaan de pagina. Aan jou de taak om er achter te komen bij welke stof deze spectra horen. Hieronder staan al enkele aanwijzingen. Probeer echt pieken aan te wijzen. Teken eerst mogelijke structuurformules. Je kunt gebruik maken van Binastabellen 39C en 39D.

Succes!

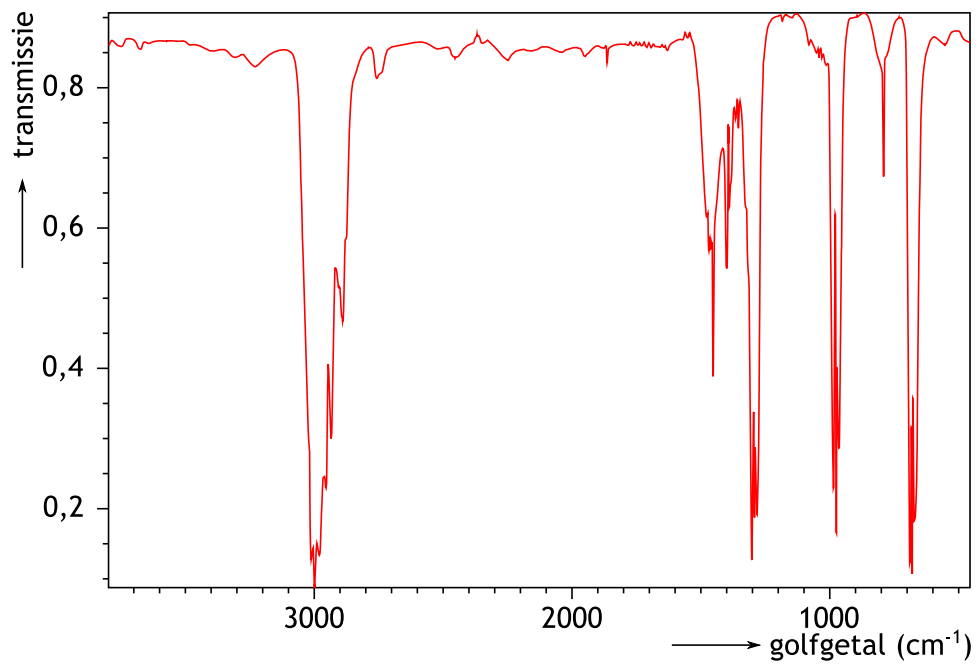
Pagina 2	C_2H_5Cl	
Pagina 3	C_2H_6O	} ethanol en methoxymethaan
Pagina 4	C_2H_6O	
Pagina 5	$C_2H_4O_2$	} ethaanzuur en methylmethanoaat
Pagina 6	$C_2H_4O_2$	
Pagina 7	$C_3H_6O_2$	} propaanzuur en methylethanoaat en ethylmethanoaat
Pagina 8	$C_3H_6O_2$	
Pagina 9	$C_3H_6O_2$	
Pagina 10	C_3H_8O	} propaan-1-ol en propaan-2-ol
Pagina 11	C_3H_8O	
Pagina 12	C_4H_8O	} butanon en butanal
Pagina 13	C_4H_8O	
Pagina 14	$C_4H_{10}O$	} butaan-1-ol en butaan-2-ol en methylpropaan-1-ol en ethoxyethaan
Pagina 15	$C_4H_{10}O$	
Pagina 16	$C_4H_{10}O$	
Pagina 17	$C_4H_{10}O$	



Massaspectrum

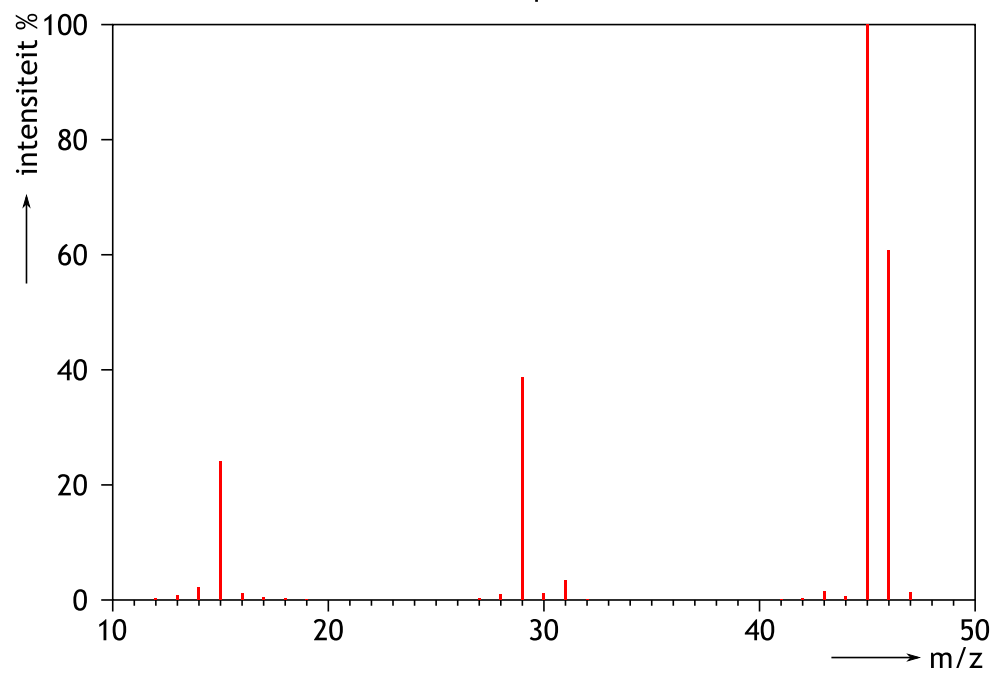


IR-spectrum

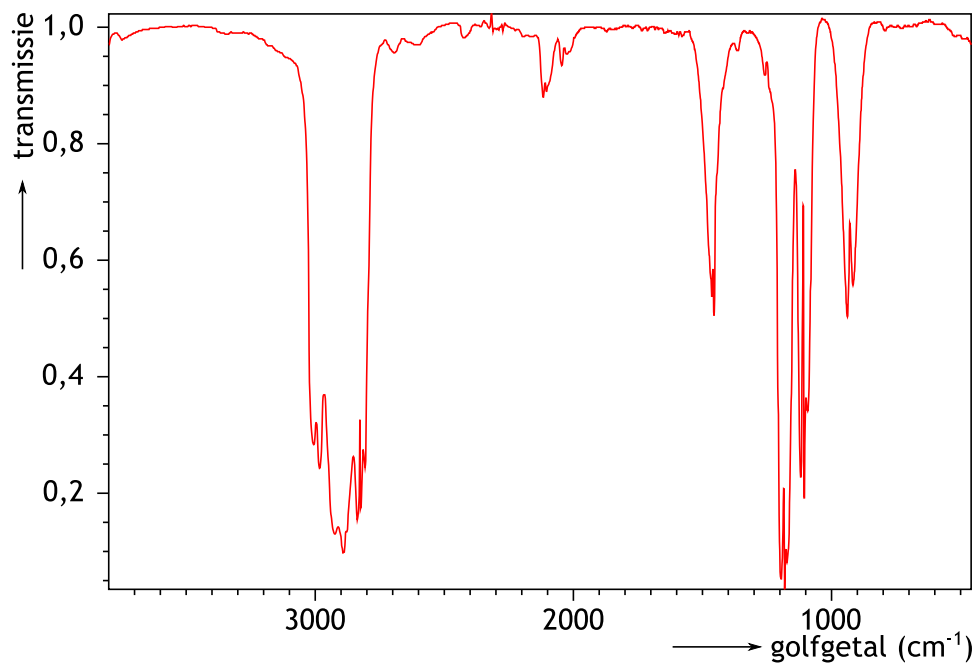


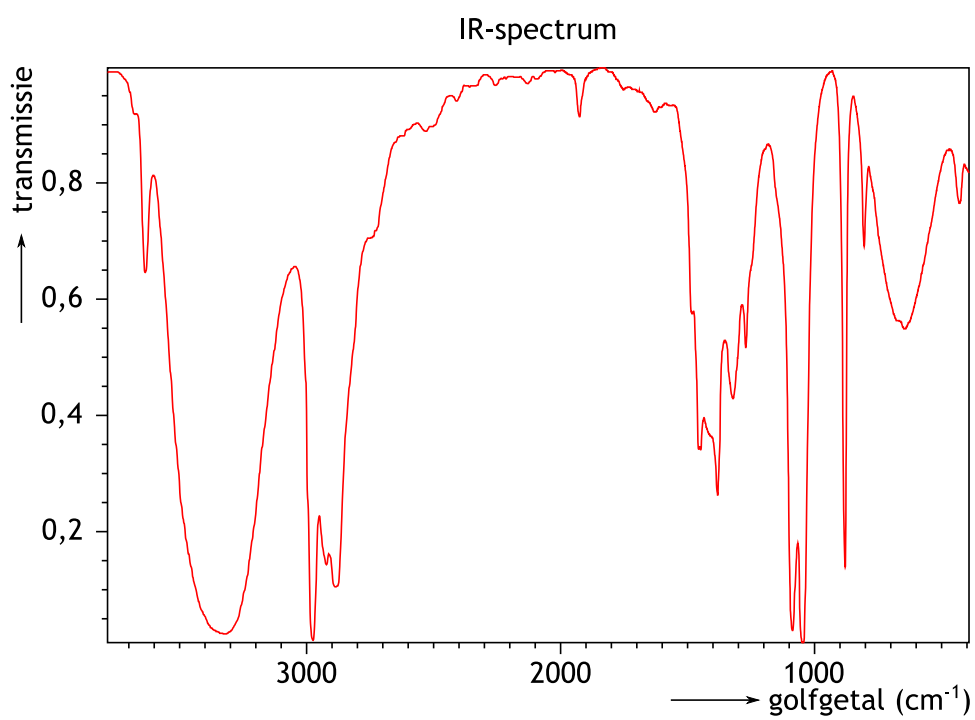
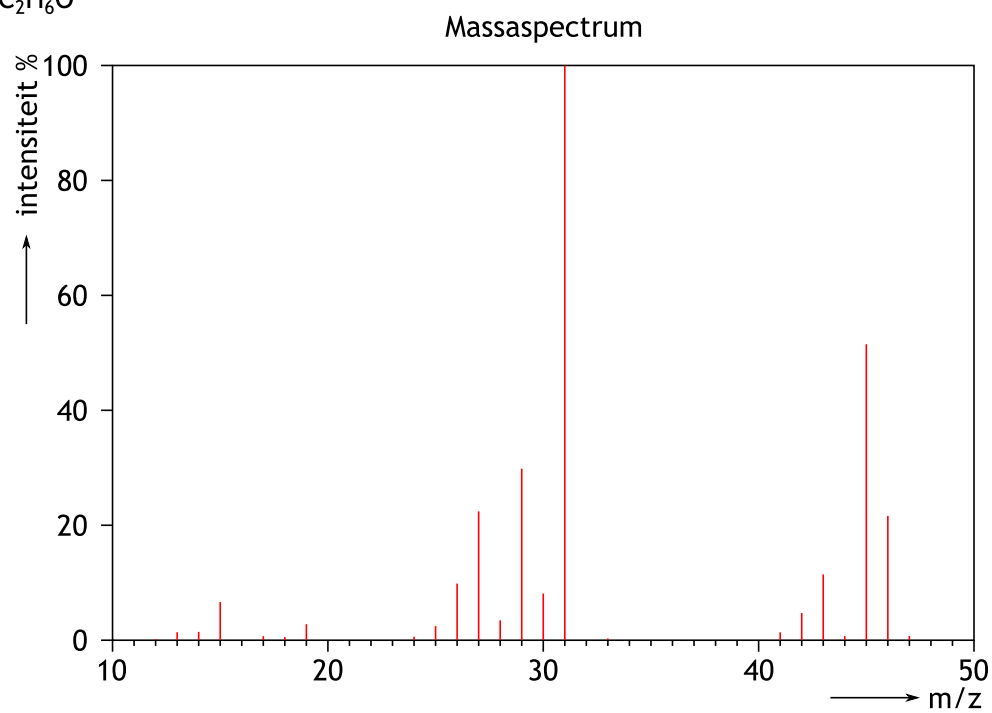


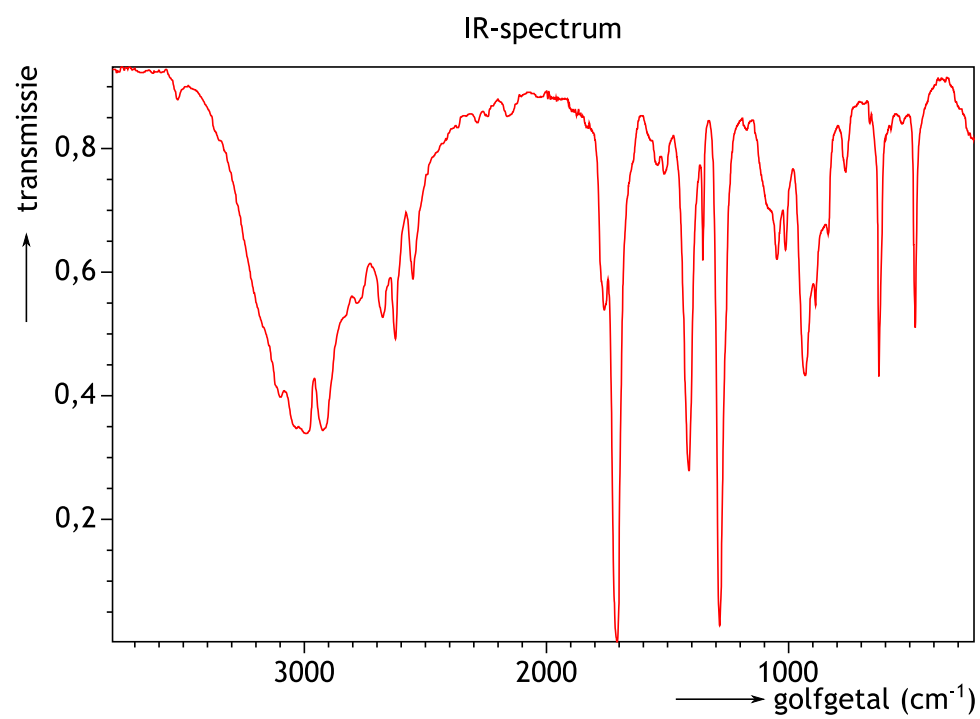
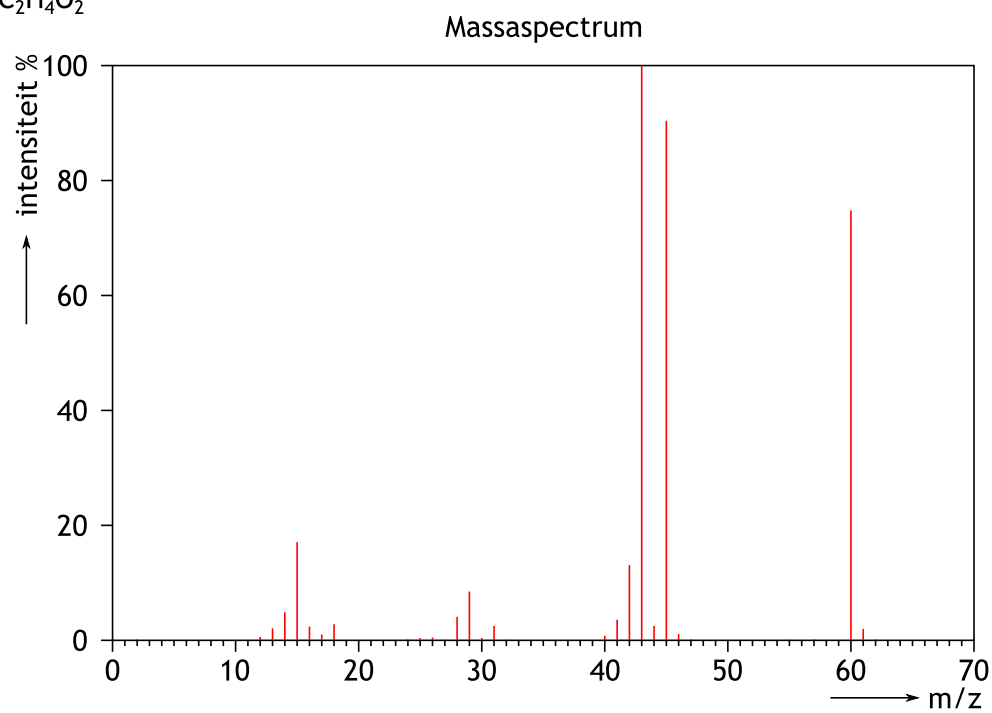
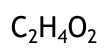
Massaspectrum

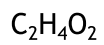


IR-spectrum

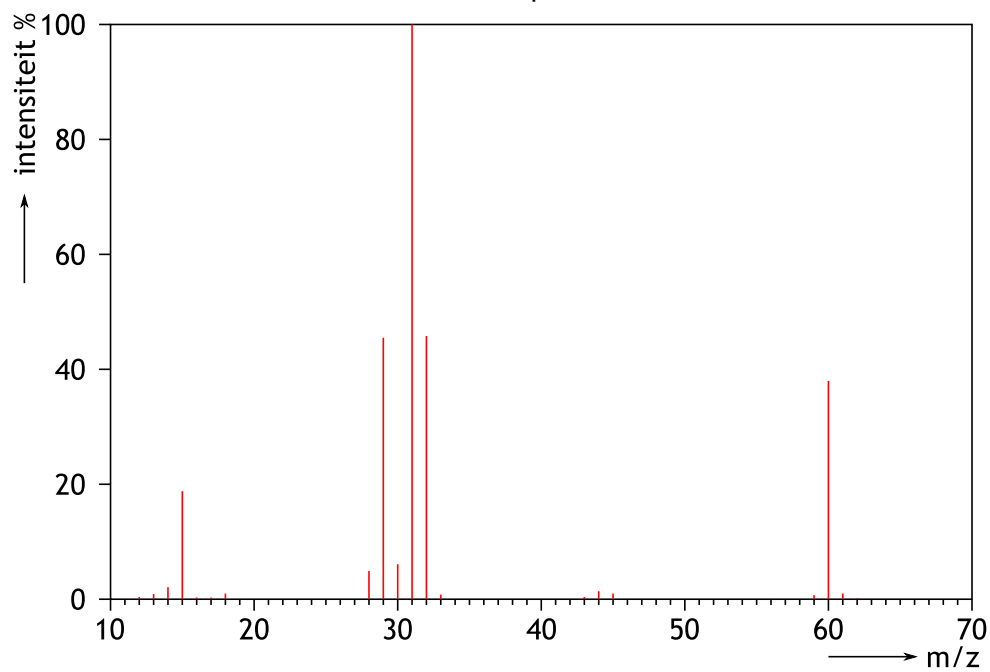




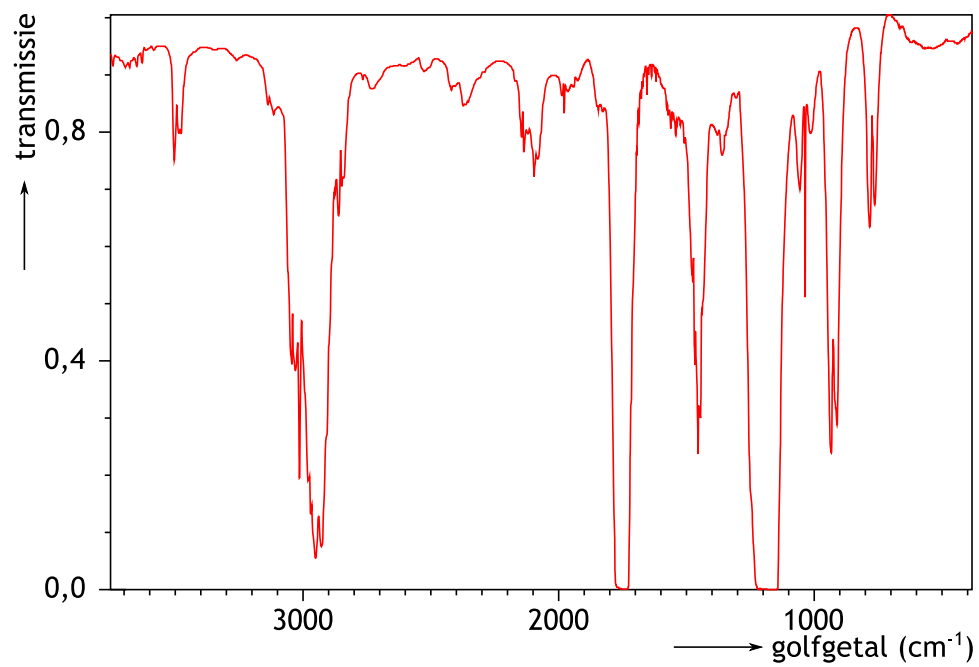


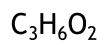


Massaspectrum

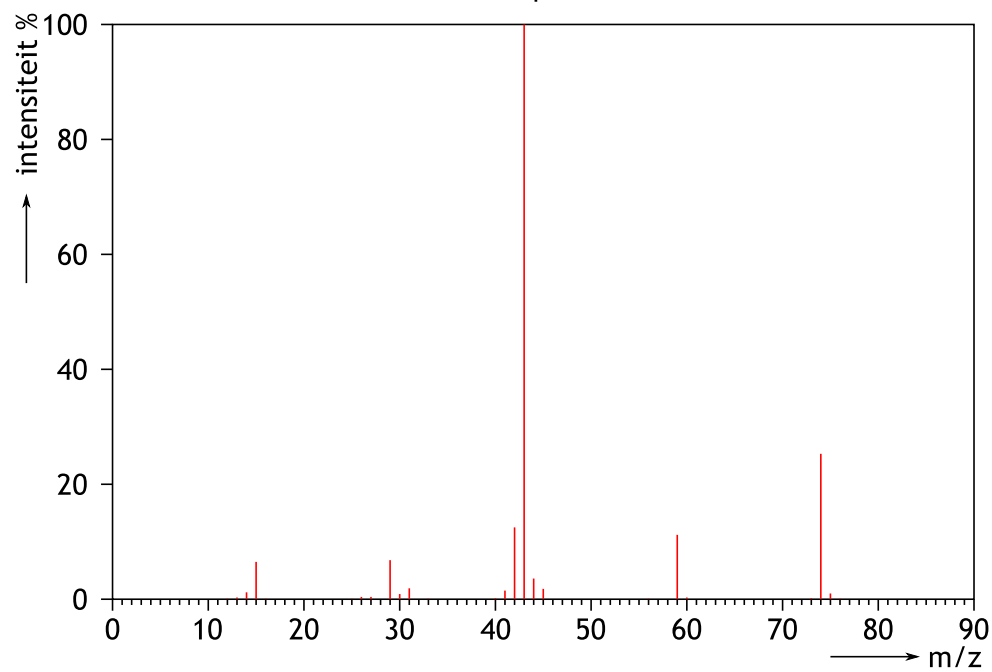


IR-spectrum

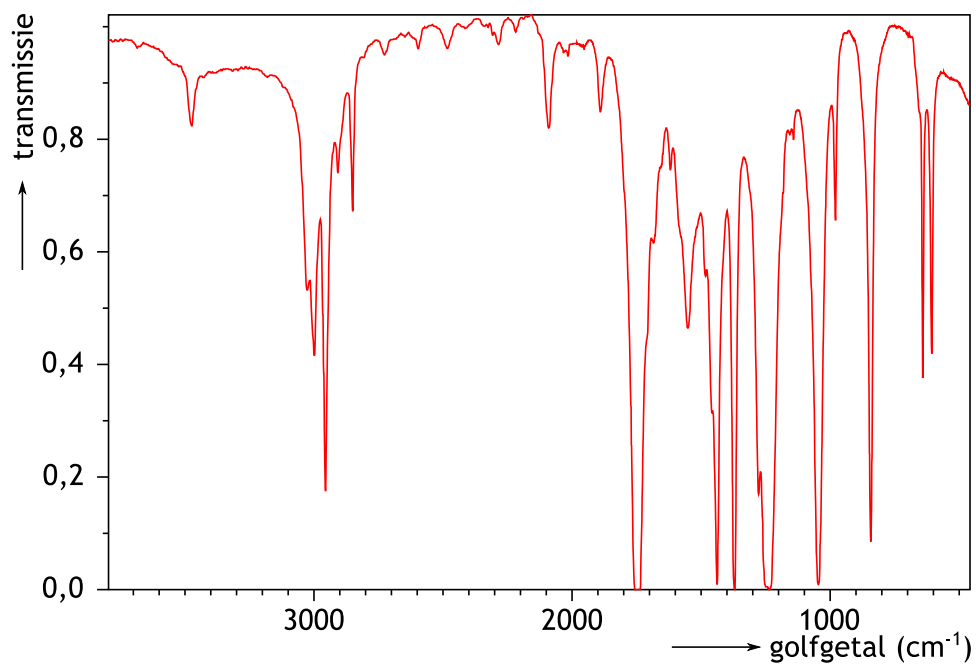


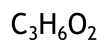


Massaspectrum

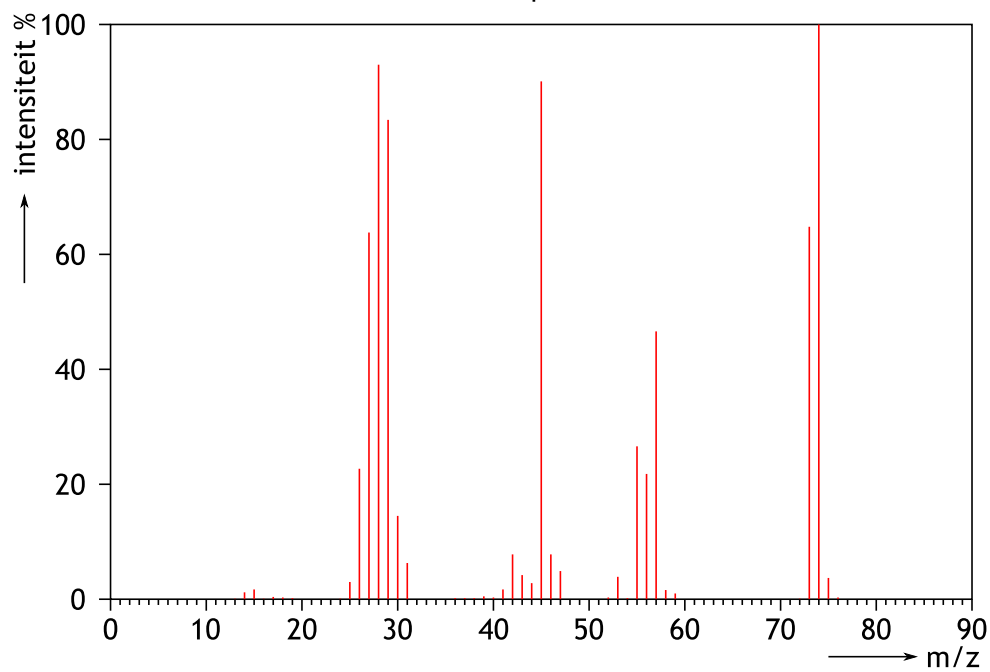


IR-spectrum

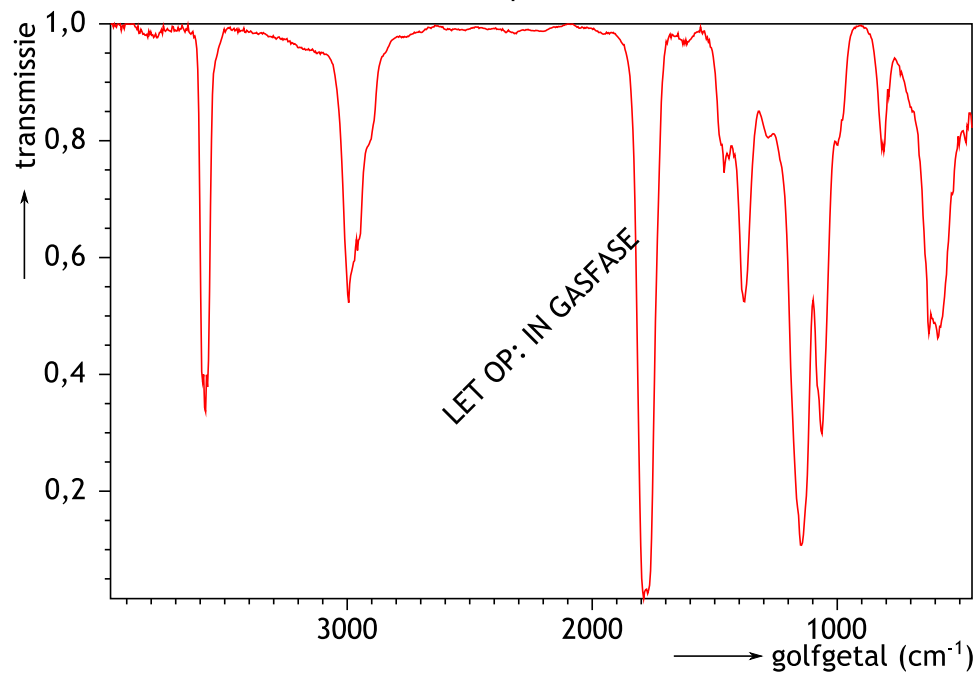


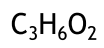


Massaspectrum

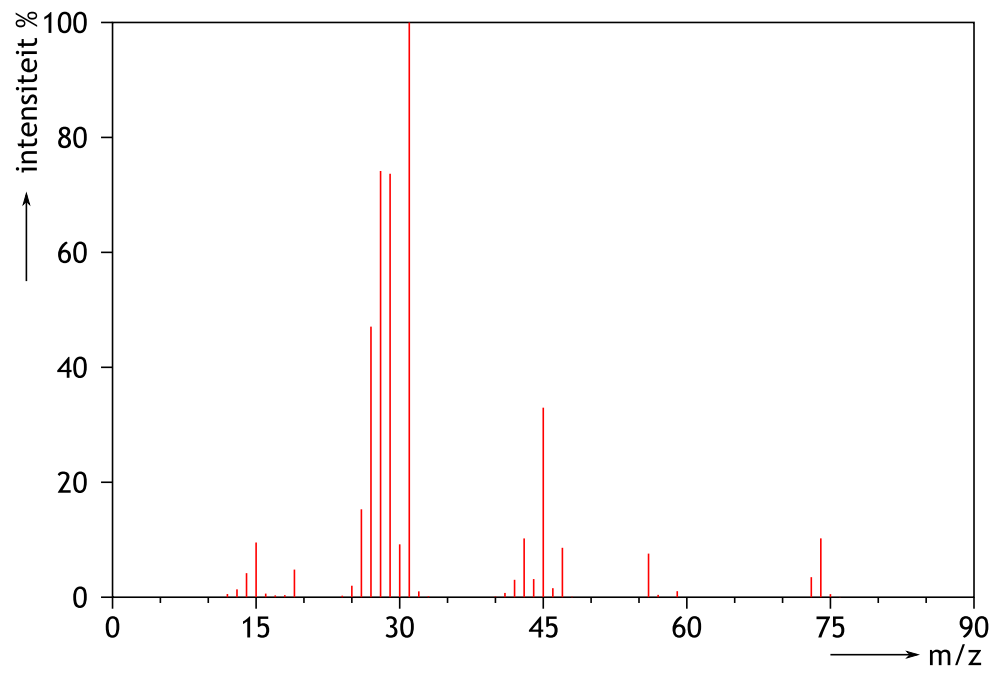


IR-spectrum

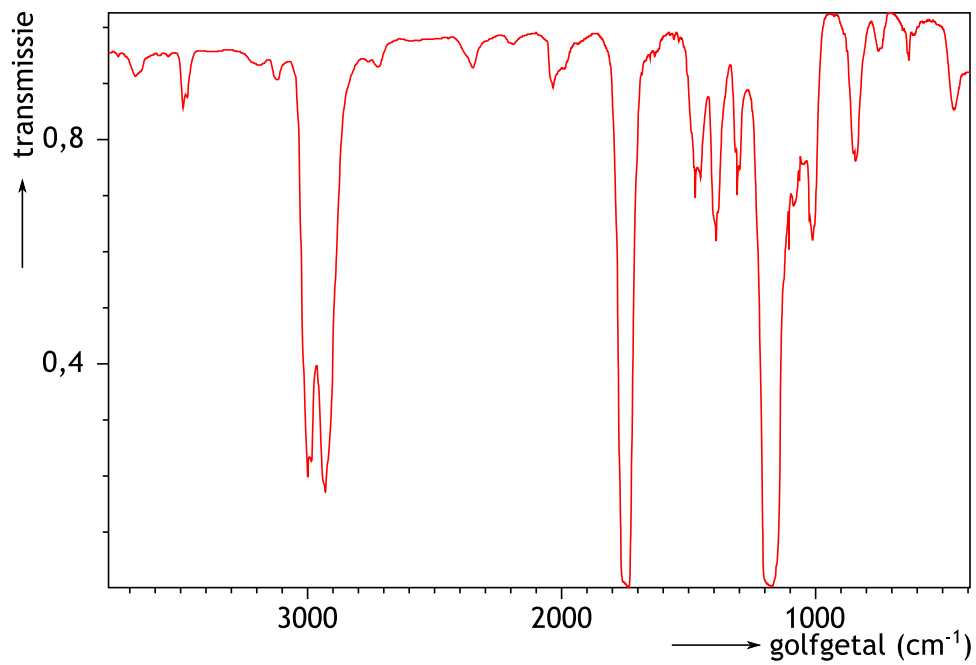


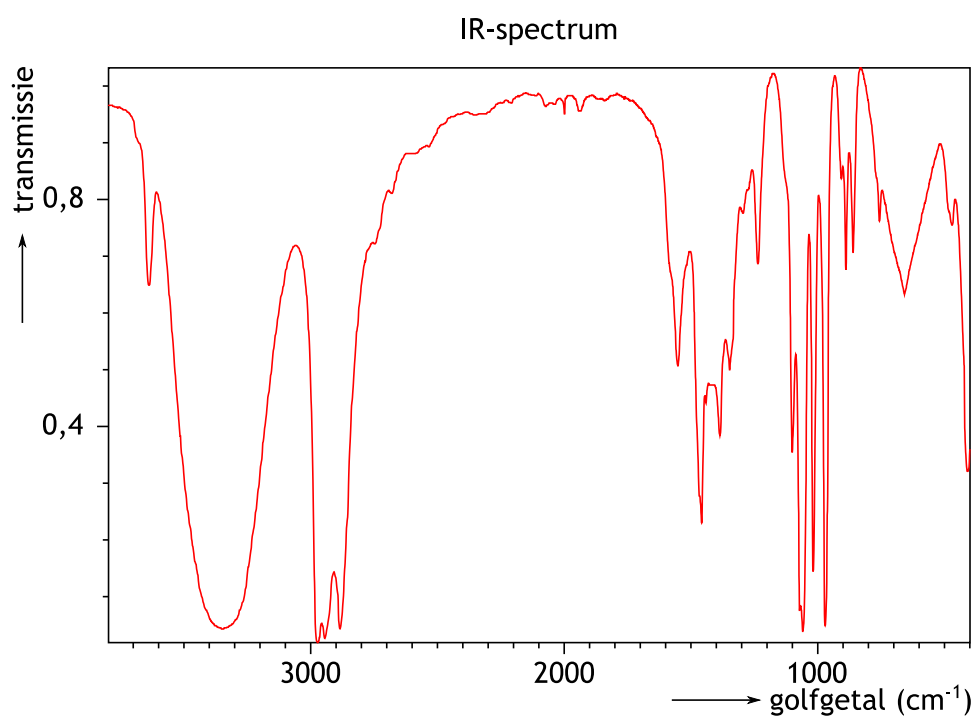
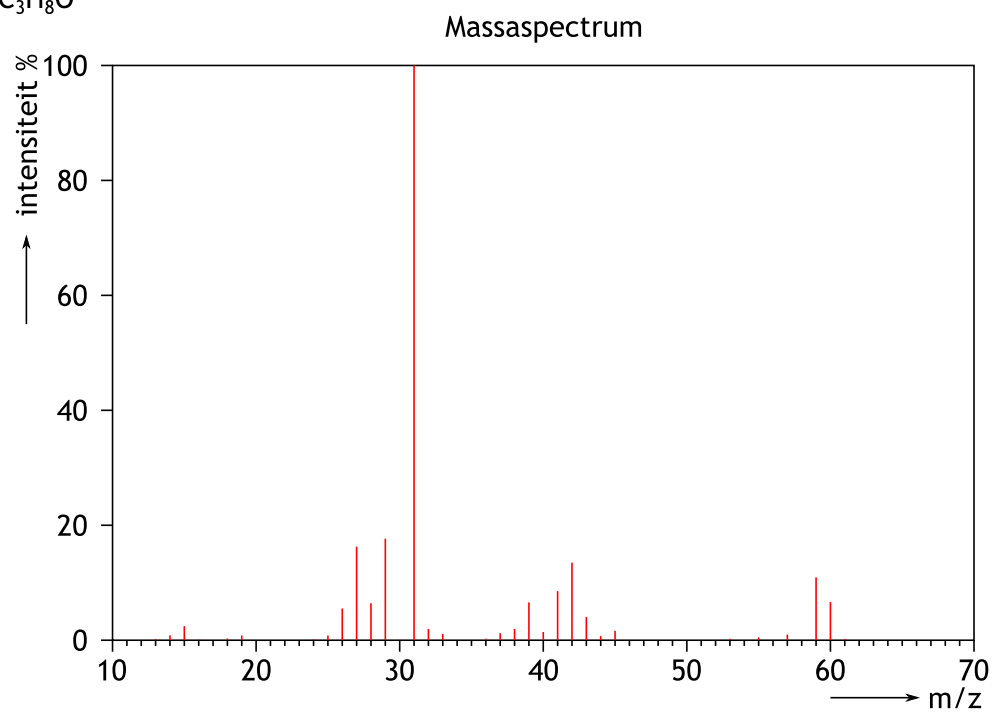


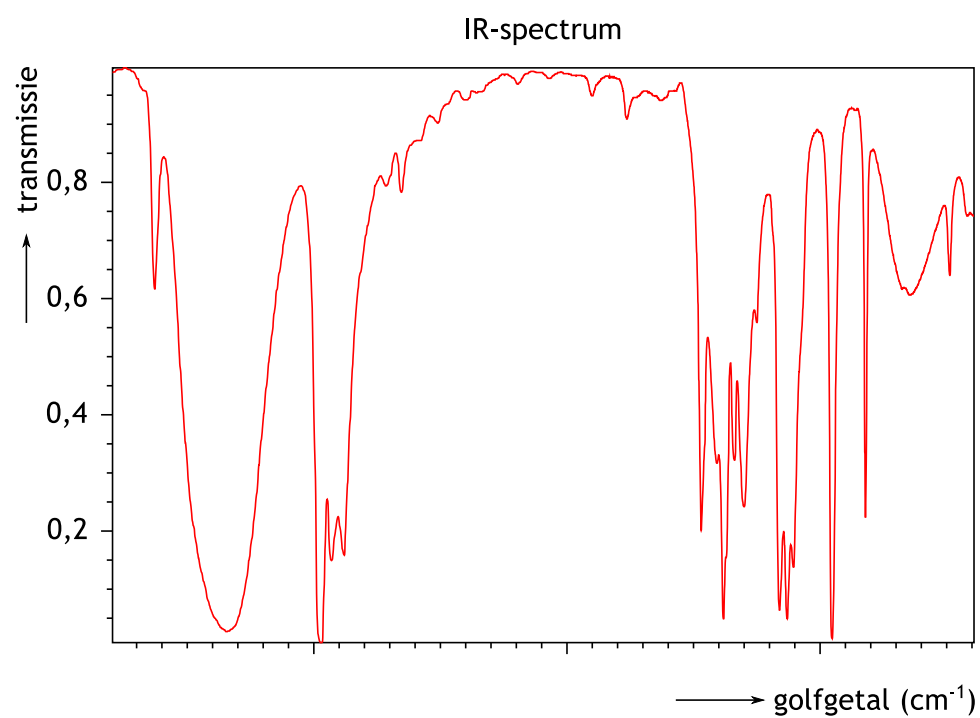
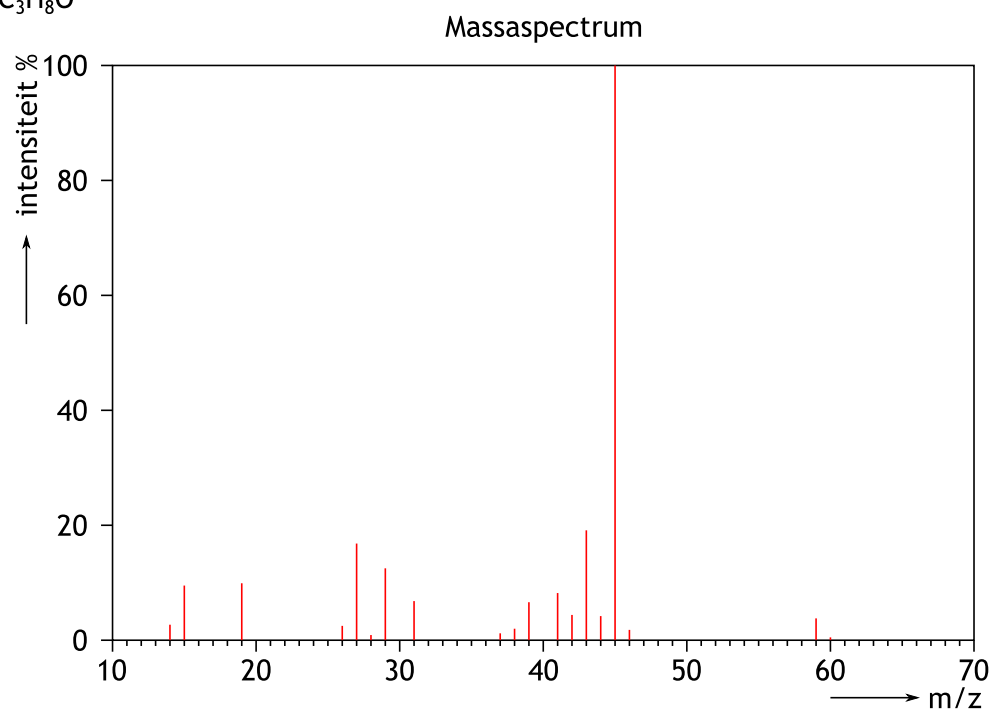
Massaspectrum

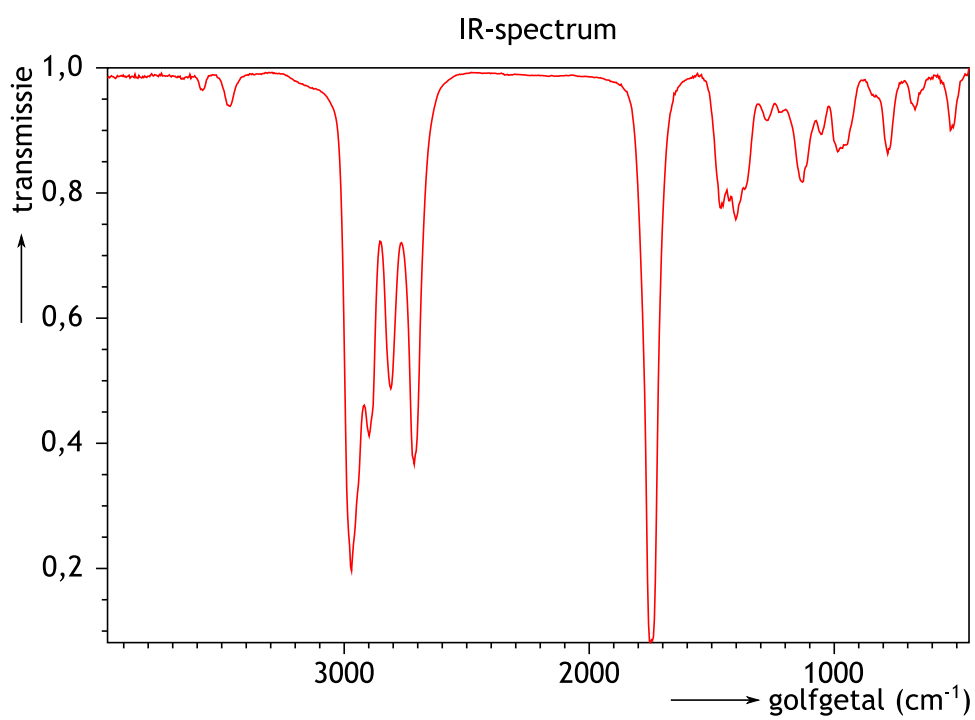
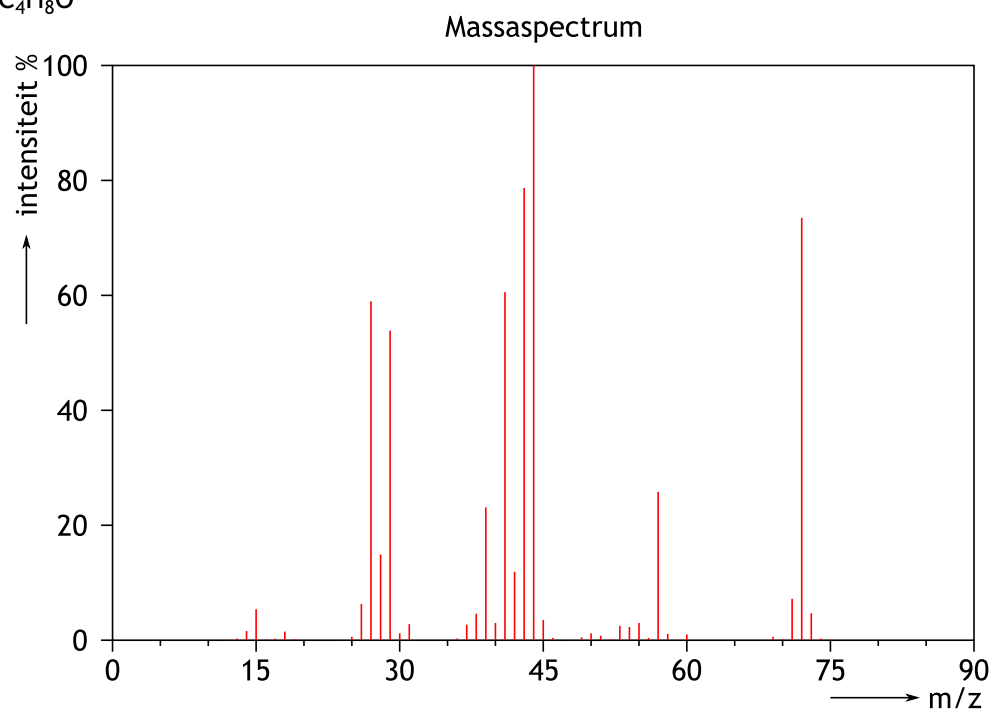


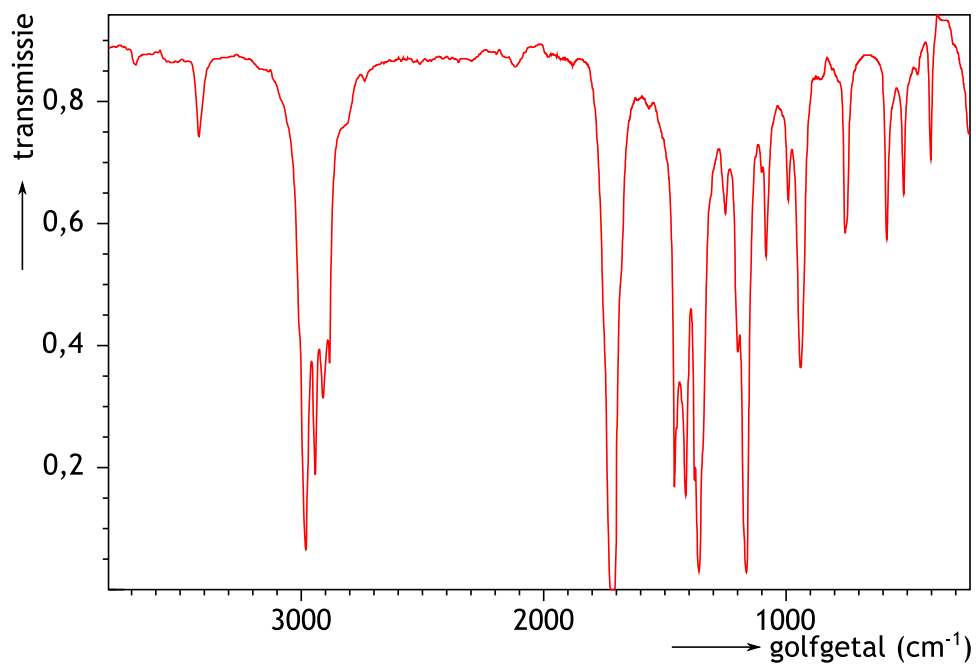
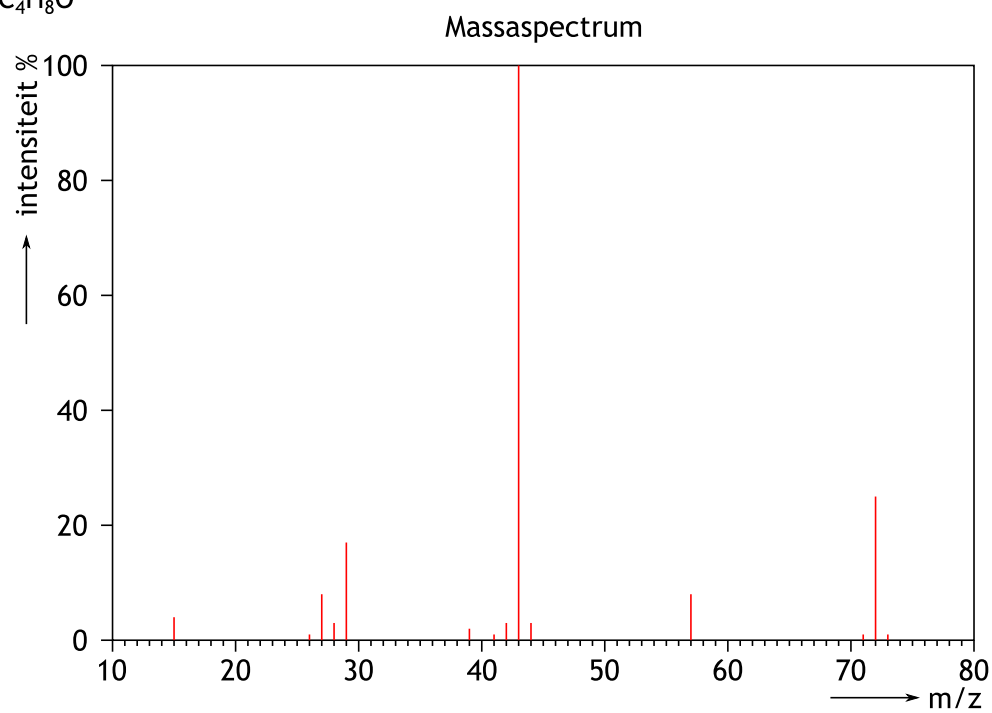
IR-spectrum

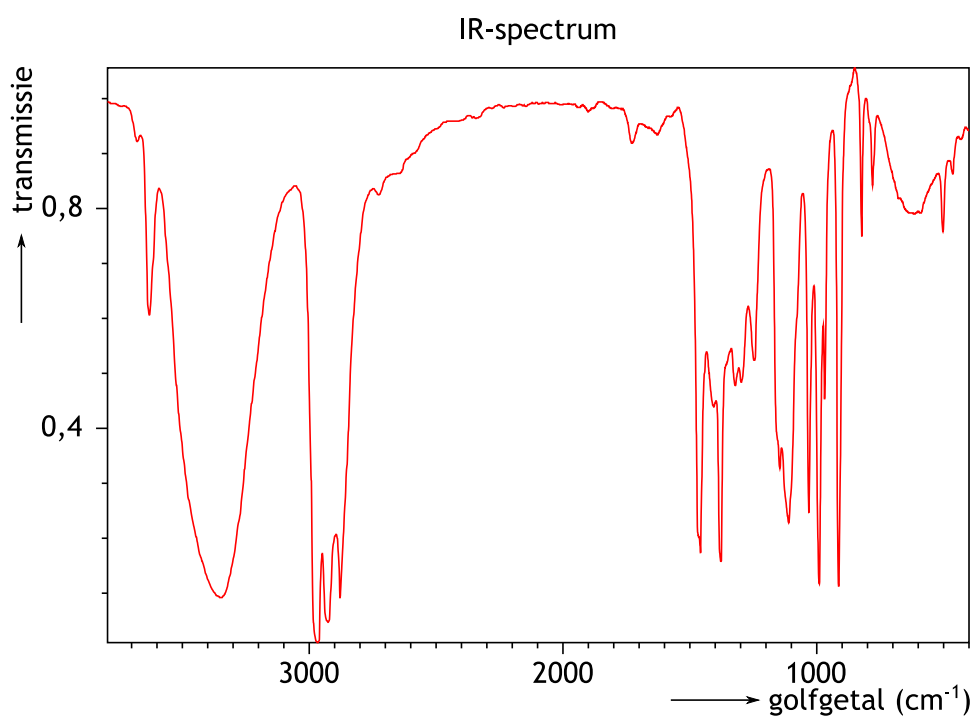
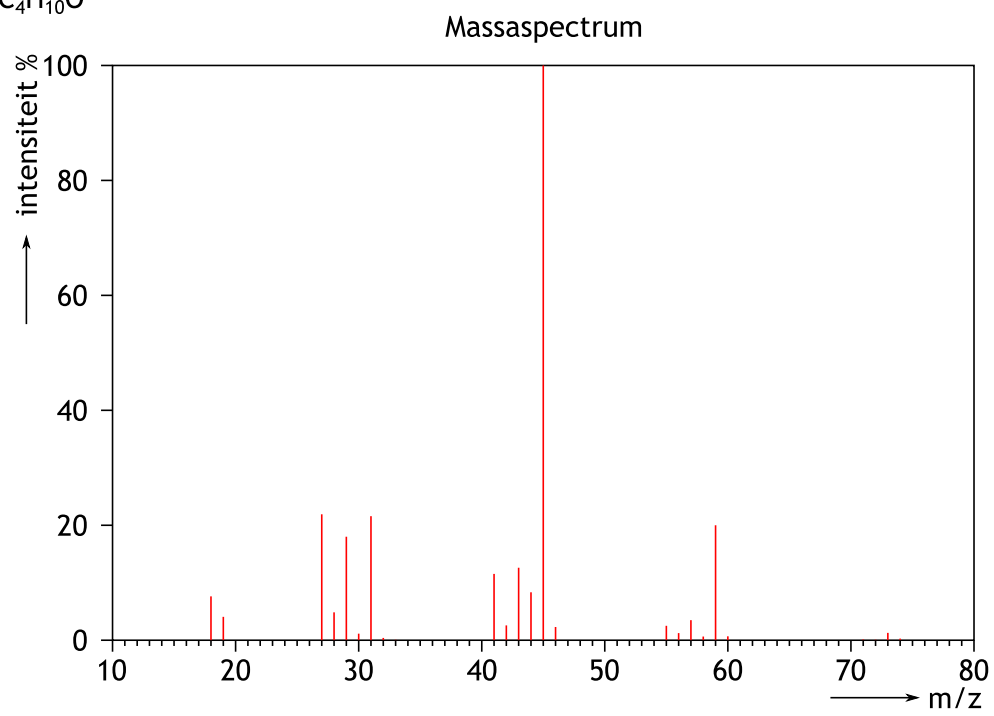
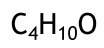


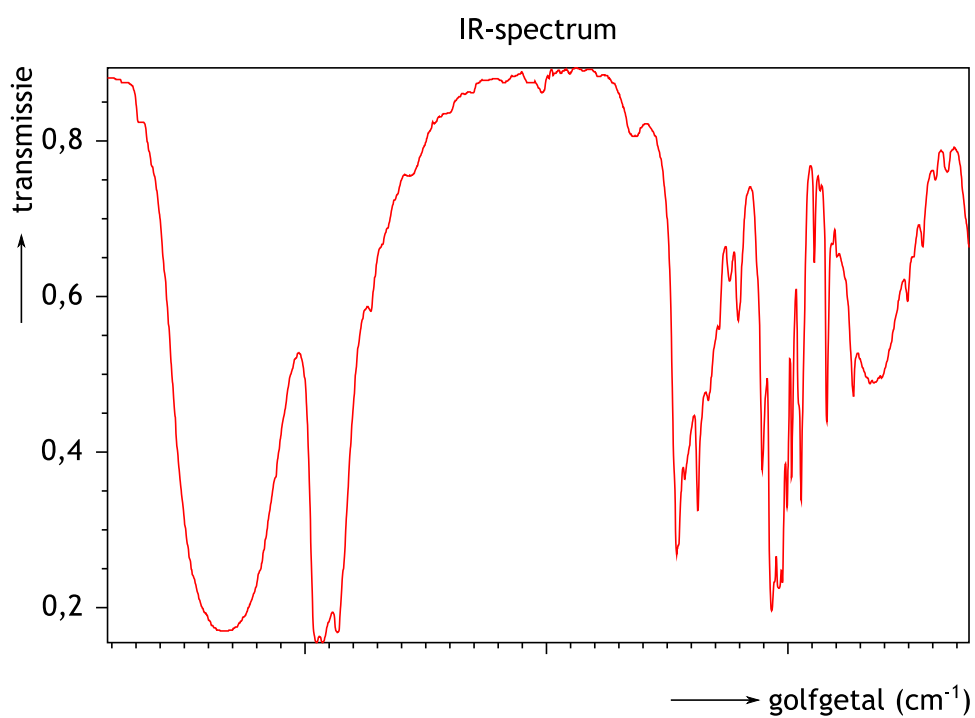
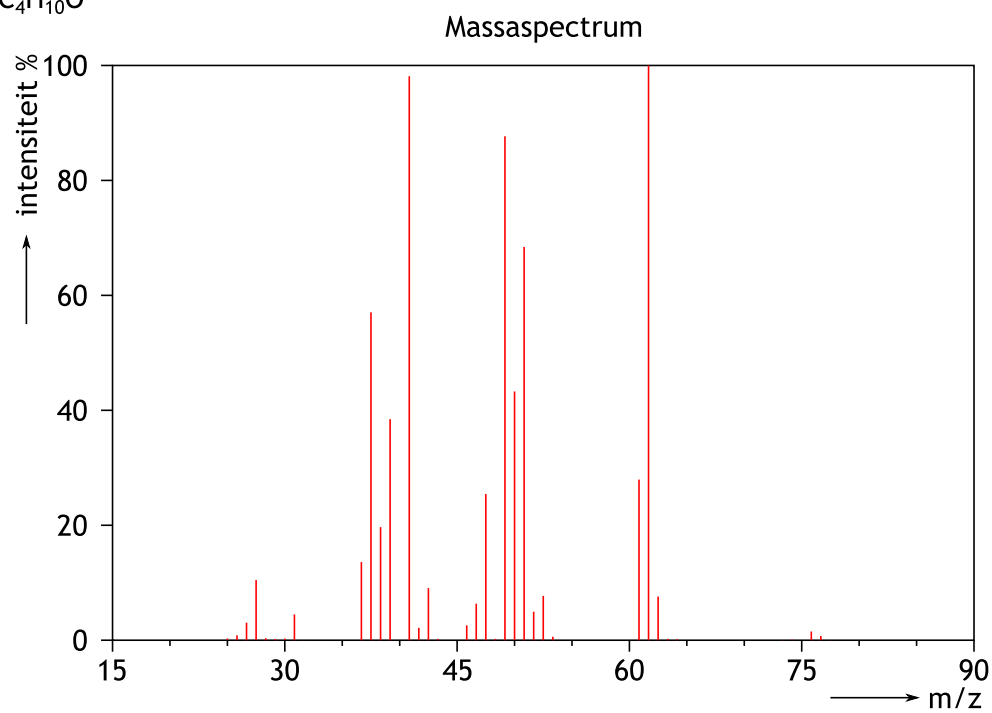
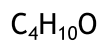


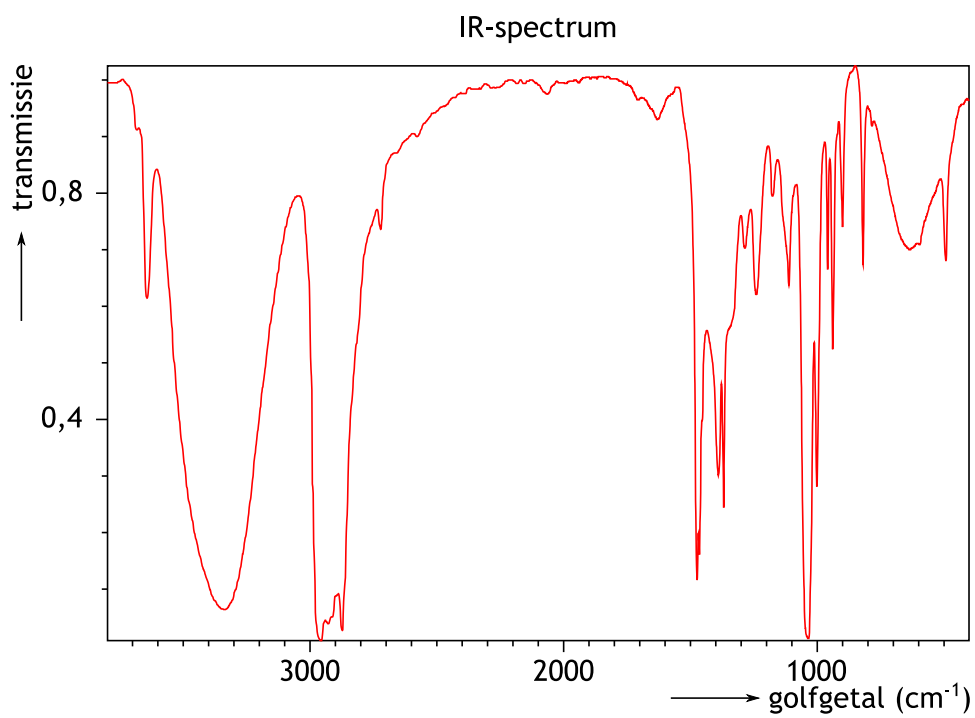
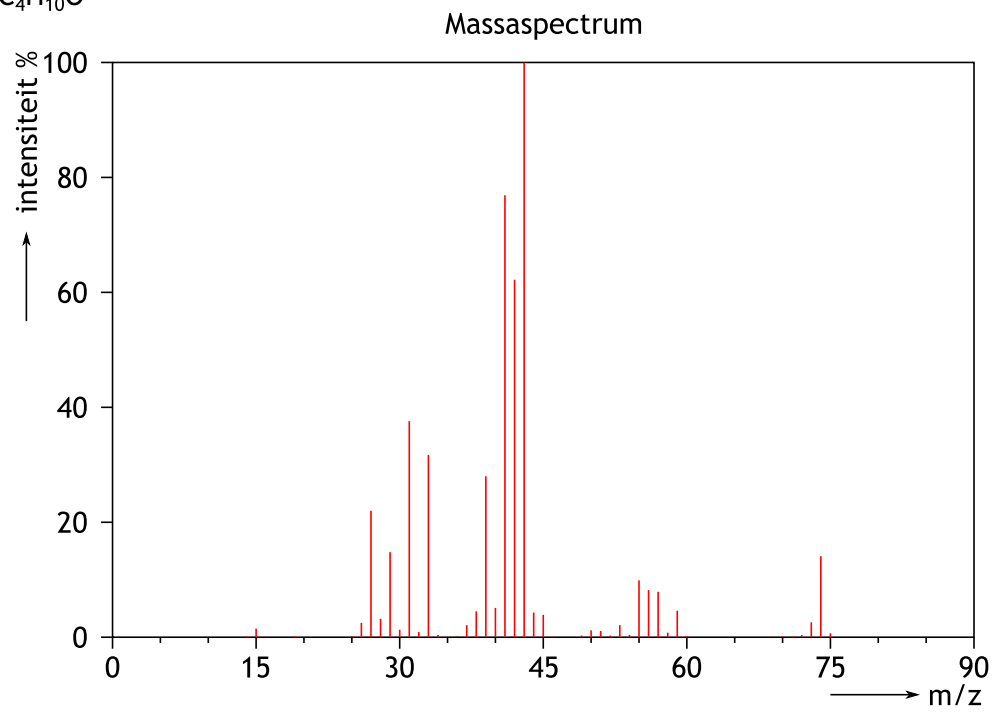
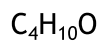


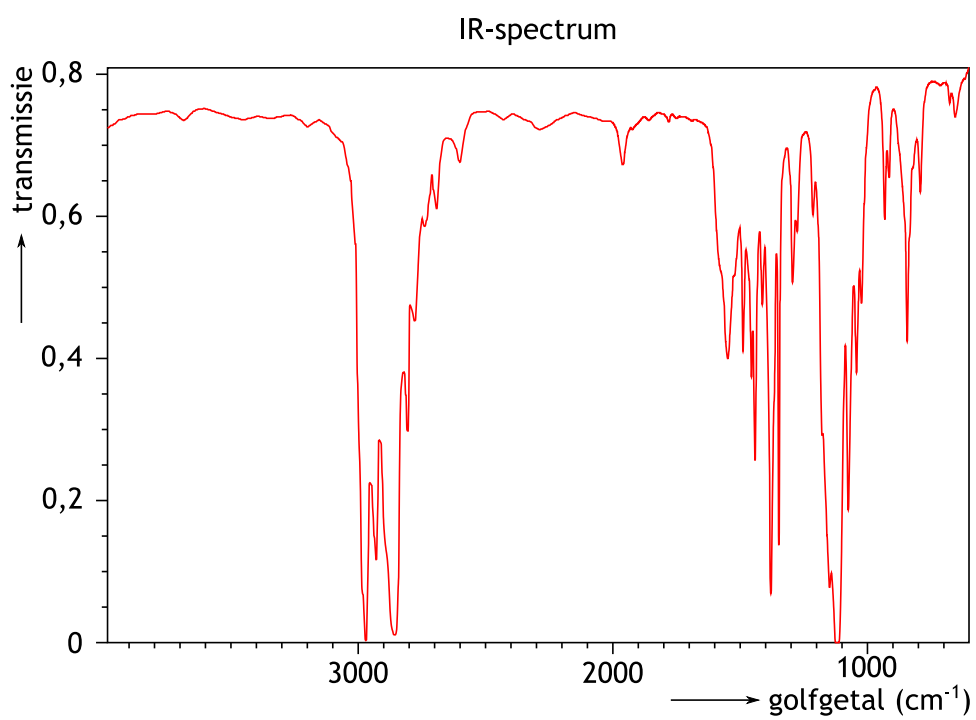
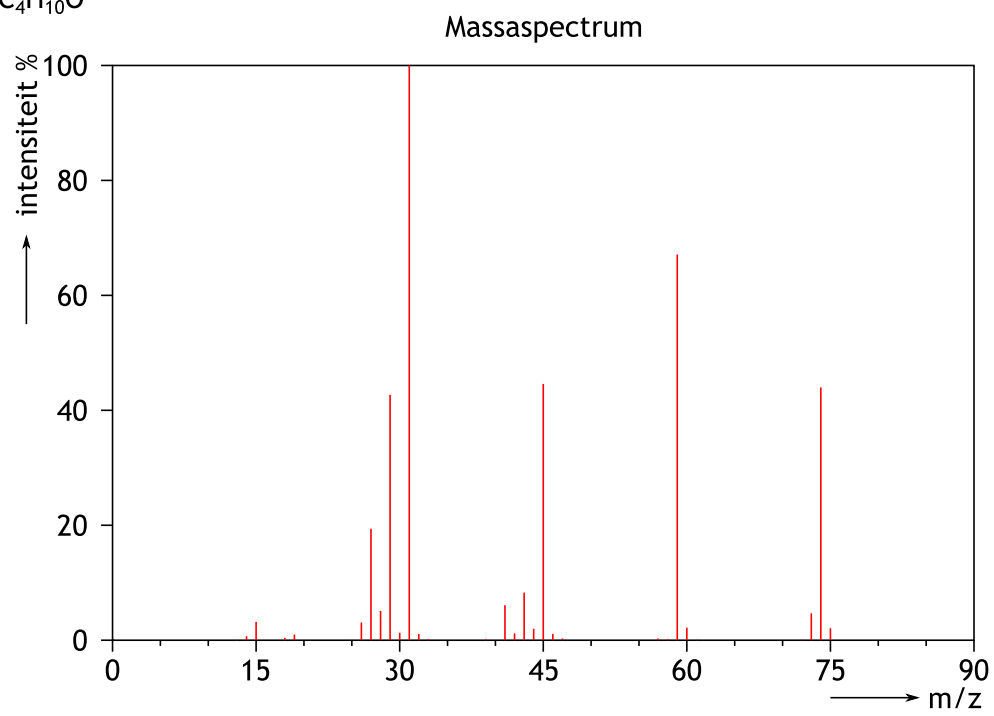
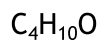












Uitwerkingen

Pagina 2	Chloorethaan
Pagina 3	Methoxymethaan
Pagina 4	Ethanol
Pagina 5	Ethaanzuur
Pagina 6	Methylmethanoaat
Pagina 7	Methylethanoaat
Pagina 8	Propaanzuur
Pagina 9	Ethylmethanoaat
Pagina 10	Propaan-1-ol
Pagina 11	Propaan-2-ol
Pagina 12	Butanal
Pagina 13	Butanon
Pagina 14	Butaan-2-ol
Pagina 15	Butaan-1-ol
Pagina 16	2-Methylpropaan-1-ol
Pagina 17	Ethoxyethaan