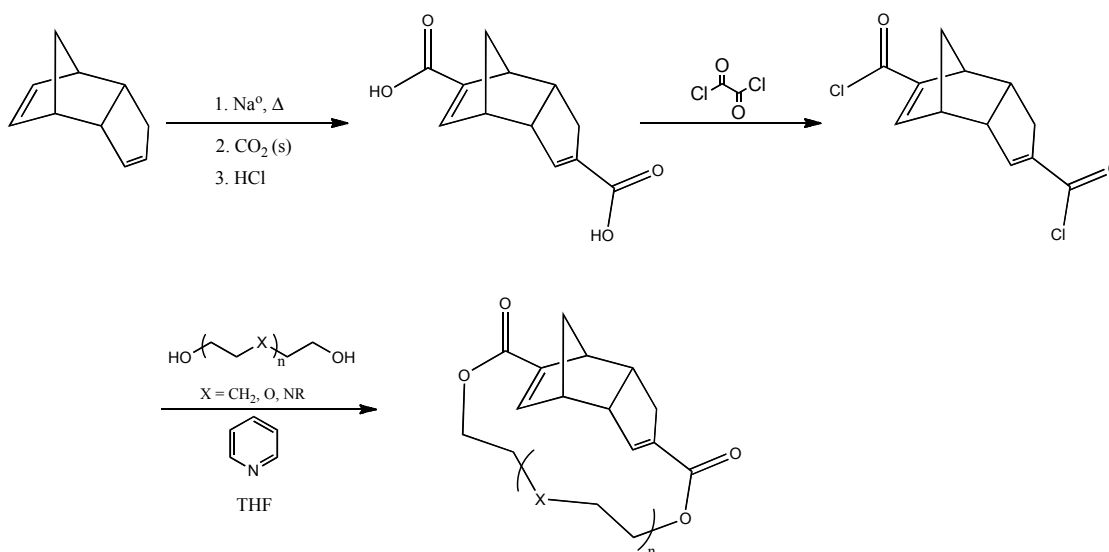
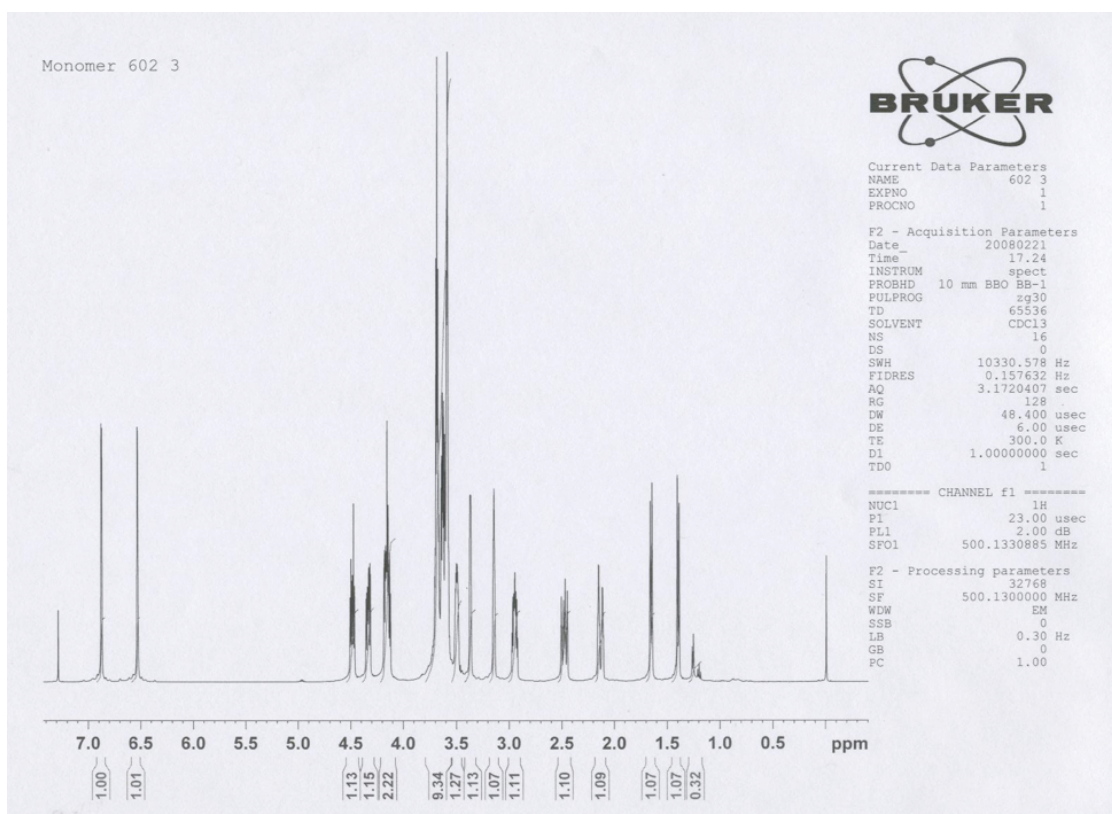


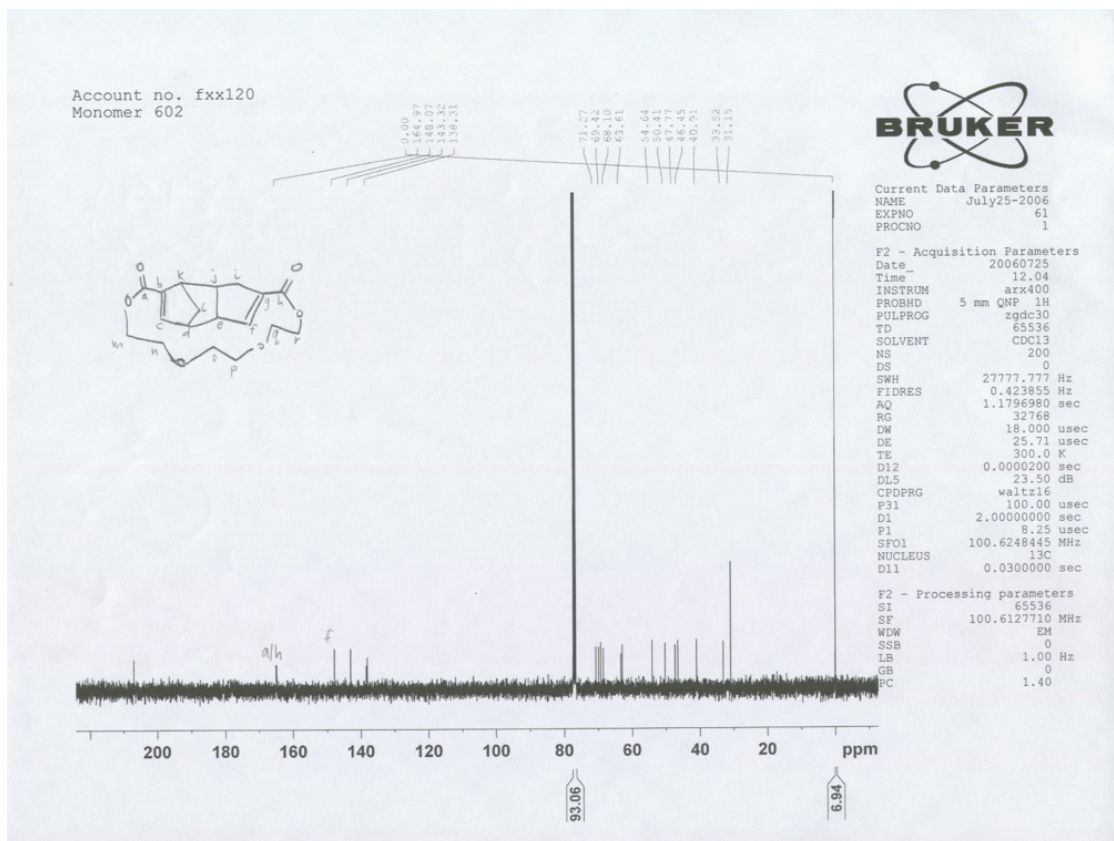
## Supplemental Data



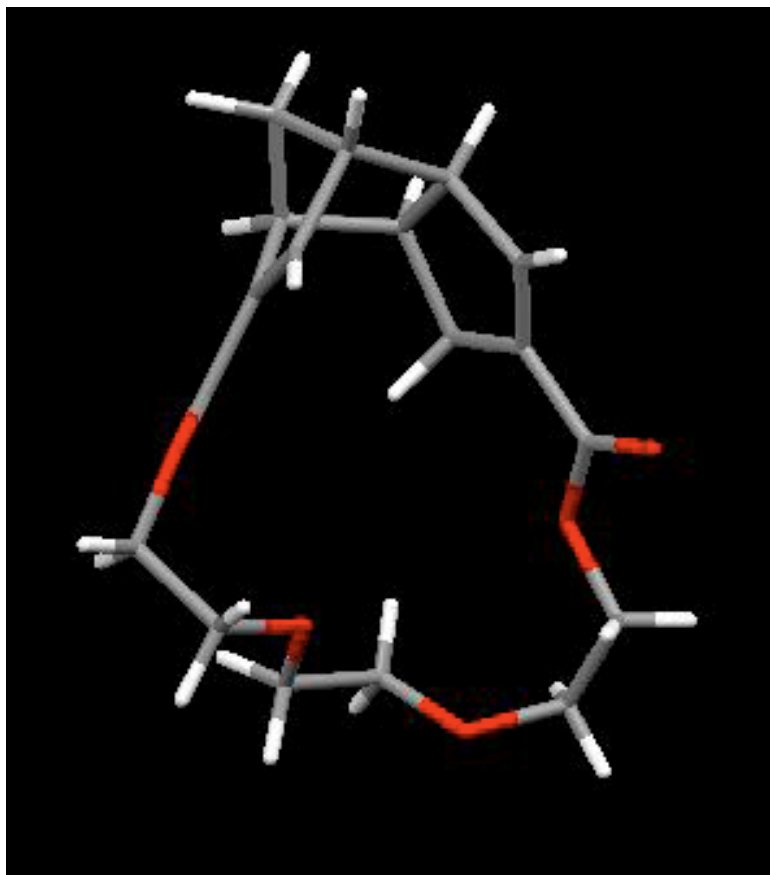
**Scheme 1.** Dicyclopentadiene-based monomer synthesis.



**Figure 1.**  $^1\text{H}$  NMR spectrum for the triethylene glycol monomer; solvent is  $\text{CDCl}_3$ .



**Figure 2.**  $^{13}\text{C}$  NMR spectrum for the triethylene glycol monomer; solvent is  $\text{CDCl}_3$ .

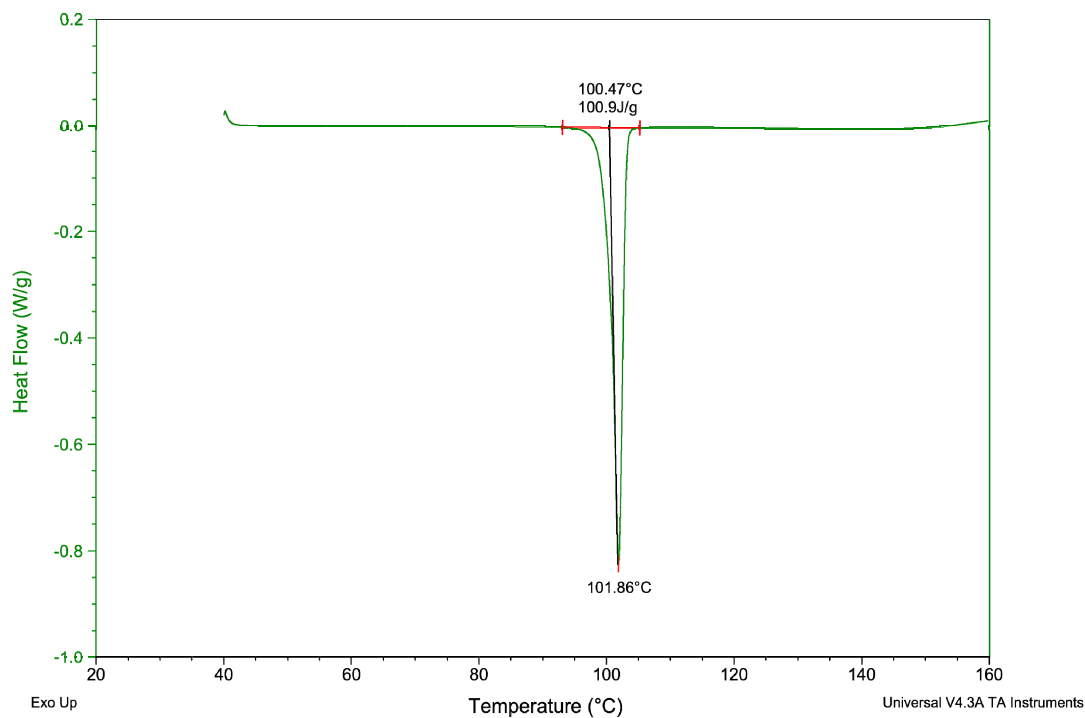


**Figure 3.** X-ray crystal structure of the triethylene glycol monomer.

Sample: EM 602 SC  
Size: 5.0900 mg  
Method: 40C-300C\_5C/min

DSC

File: C:\...Wudl\Erin\Single Crystal 602.001  
Operator: EM  
Run Date: 14-Feb-2007 15:49  
Instrument: DSC Q10 V9.8 Build 296

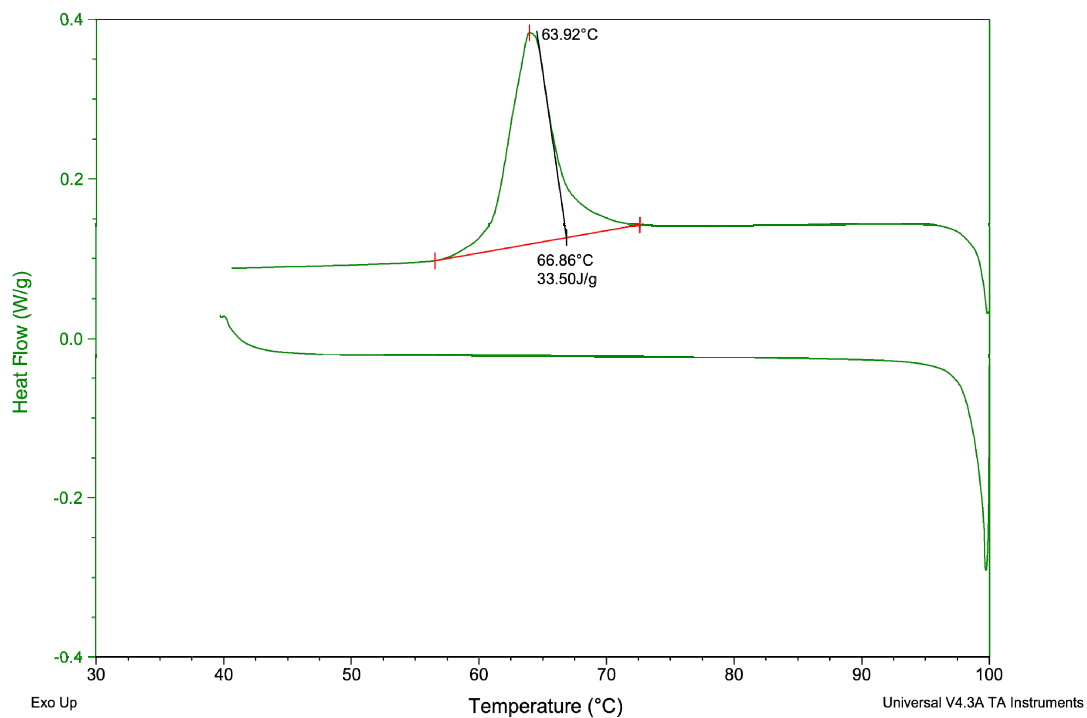


**Figure 4.** Dynamic scanning calorimetry curve for the triethylene glycol monomer; 5 °C/min under an N<sub>2</sub> purge.

Sample: EM 602 SC 2  
Size: 4.1900 mg  
Method: 40C-300C\_5C/min

DSC

File: C:\...\Single Crystal 602 Slow Cool.001  
Operator: EM  
Run Date: 14-Feb-2007 18:03  
Instrument: DSC Q10 V9.8 Build 296



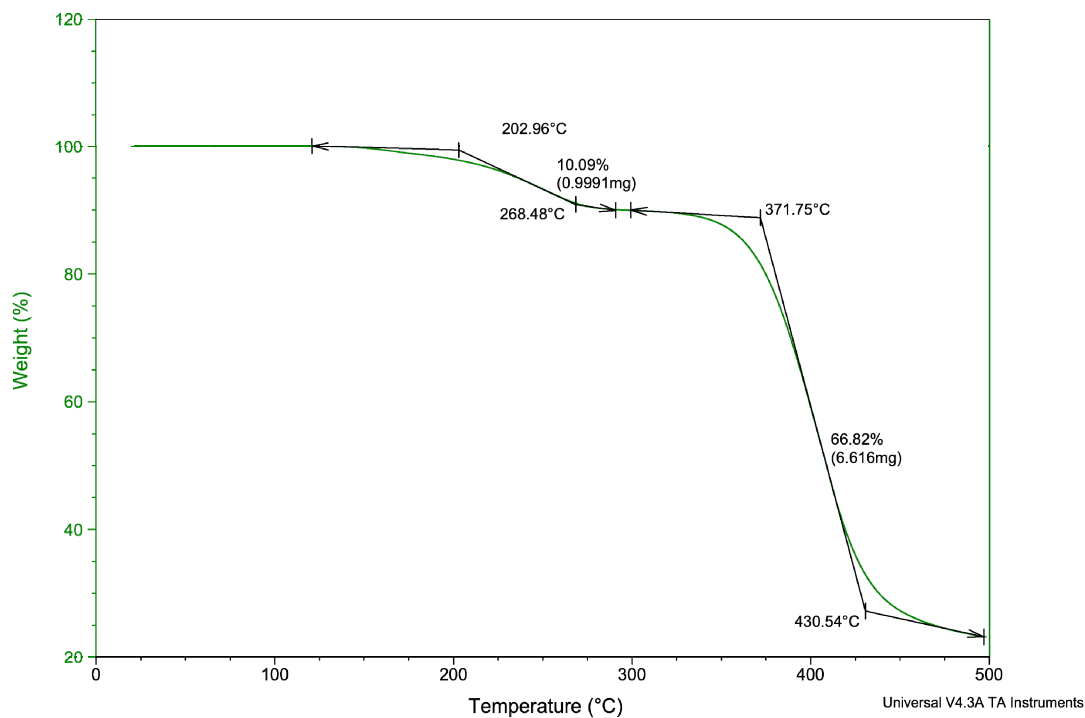
**Figure 5.** Differential scanning calorimetry curve for the triethylene glycol monomer; 5 °C/min under an N<sub>2</sub> purge.

Sample: em602  
Size: 9.9010 mg  
Method: Ramp

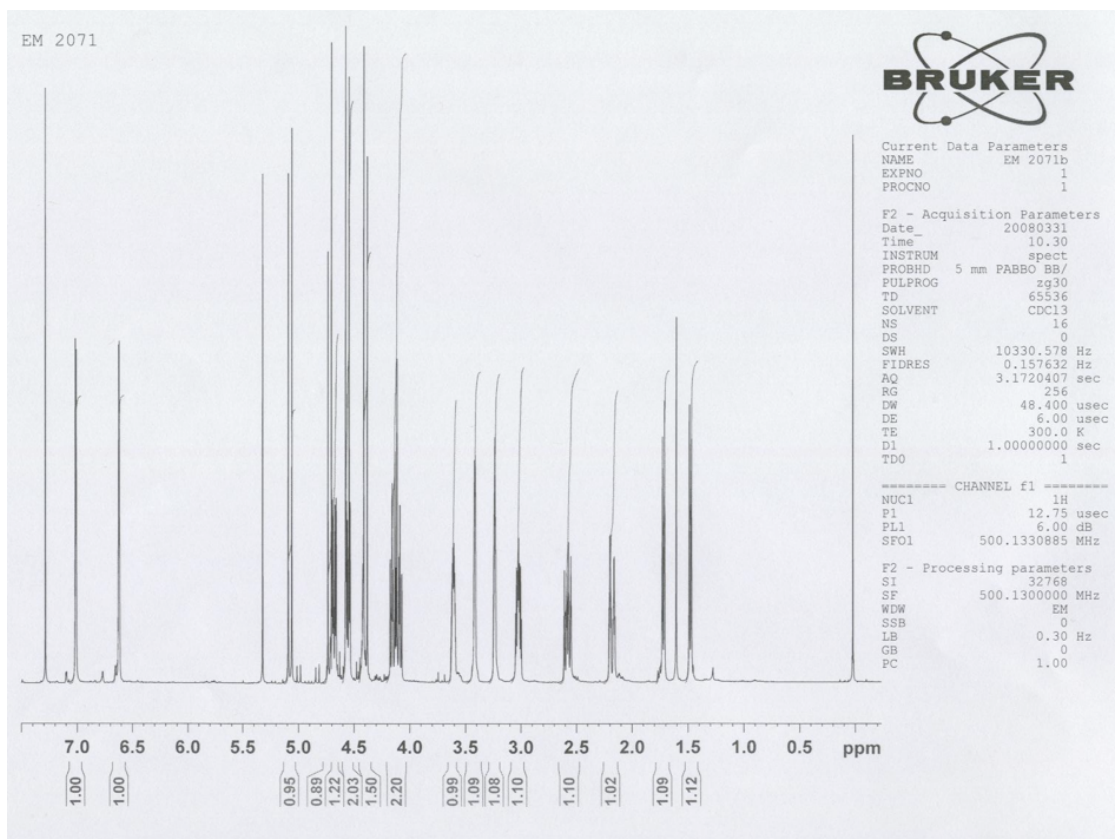
TGA

File: C:\TA\Data\TGA\Wud\Erin\602sc.001

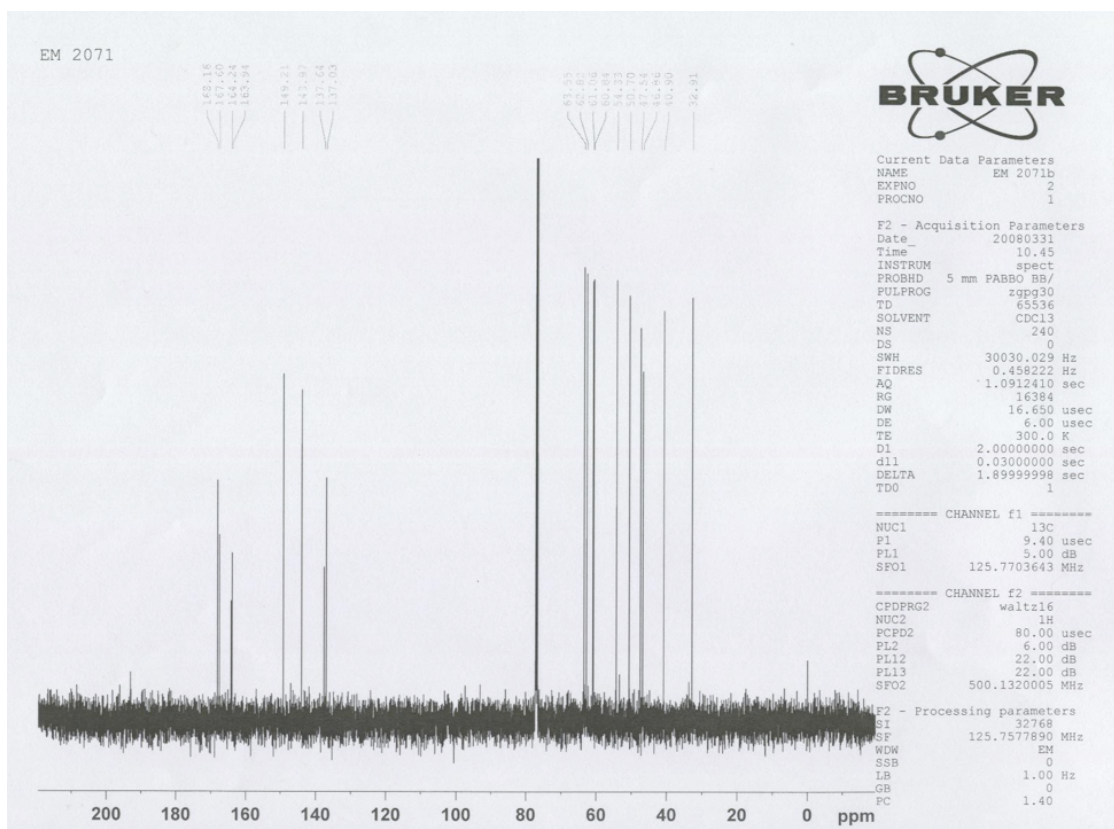
Run Date: 16-Apr-2007 10:47  
Instrument: TGA Q50 V6.7 Build 203



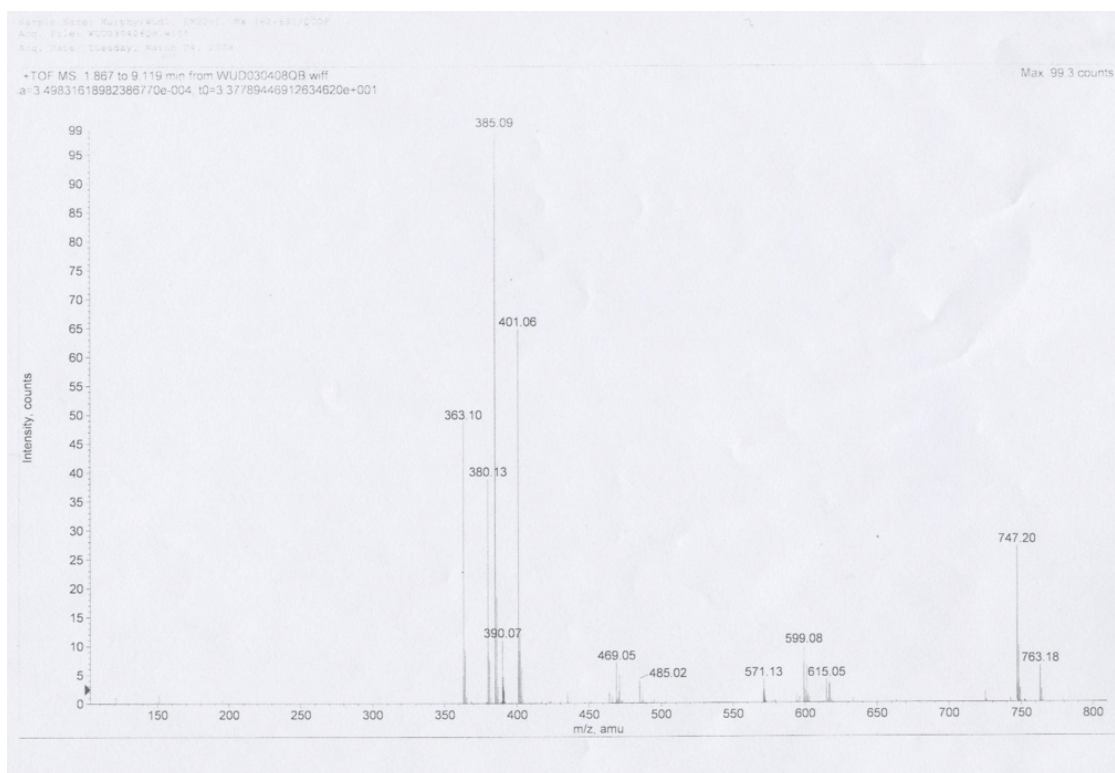
**Figure 6.** Thermogravimetric analysis data for triethylene glycol monomer; 10 °C/min under N<sub>2</sub> purge.



**Figure 7.**  $^1\text{H}$  NMR spectrum for ethylene glycol diacetate monomer; solvent is  $\text{CDCl}_3$ .



**Figure 8.**  $^{13}\text{C}$  NMR spectrum for ethylene glycol diacetate monomer; solvent is  $\text{CDCl}_3$ .

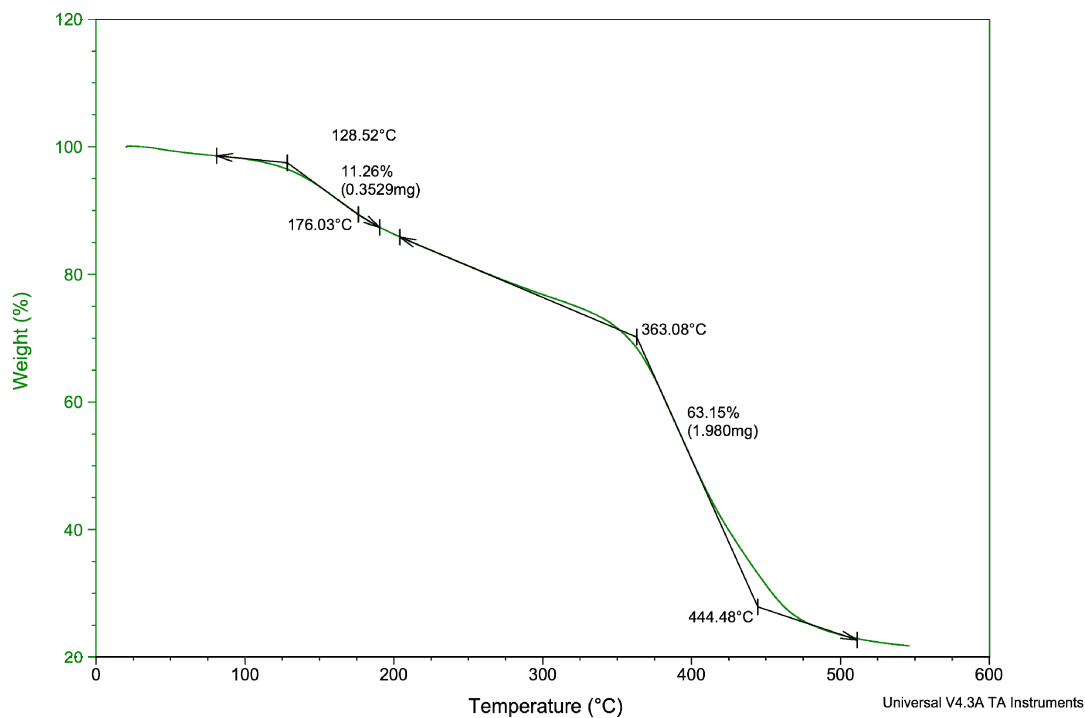


**Figure 9.** MALDI-TOF mass spectrum for ethylene glycol diacetate monomer.

Sample: EGDCA monomer  
Size: 3.1350 mg  
Method: Ramp

TGA

File: C:\...TGA\Wud\Erin\EGDCA monomer.001  
Operator: yuman  
Run Date: 11-Mar-2008 14:45  
Instrument: TGA Q50 V6.7 Build 203



**Figure 10.** Thermogravimetric analysis for ethylene glycol diacetate monomer; 10 °C/min under N<sub>2</sub> purge.