

MASS SPECTRAL ANALYSIS

NAME:	PHONE:	DATE:
FULL ADDRESS:	PROFESSOR'S SIGNATURE:	
EMAIL ADDRESS:		
SAMPLE IDENTIFICATION:	ACCOUNT NO. or P.O. NUMBER	
SAMPLE SOLUBILITY:	<input type="checkbox"/> CH ₂ Cl ₂ <input type="checkbox"/> Hexane <input type="checkbox"/> MeOH <input type="checkbox"/> Other _____	
LAST PURIFICATION STEP:		
WEIGHT OF SAMPLE IN VIAL: _____ mg	<input type="checkbox"/> RETURN SAMPLES (provide filled out FEDEX form)	
SPECIAL HANDLING REQUIRED: <input type="checkbox"/> Yes <input type="checkbox"/> Refrigeration <input type="checkbox"/> Freezer <input type="checkbox"/> User must be present <input type="checkbox"/> User prefers to be present		
MASS RANGE OF INTEREST: EI 45 to _____ ESI, MALDI 100 to _____	PRECAUTIONS, TOXICITY, ETC. Return Sample <input type="checkbox"/>	
METHOD: <input type="checkbox"/> Electron Impact <input type="checkbox"/> Desorption EI <input type="checkbox"/> MALDI, Matrix _____ <input type="checkbox"/> Electrospray <input type="checkbox"/> GC/MS* (Low Res EI) <input type="checkbox"/> Background / Matrix only run <input type="checkbox"/> MS/MS* (structural analysis of unknown ion) * See staff to discuss details.	MOLECULAR WEIGHT using lightest isotope (i.e. Cl = 35 and Br = 79)	
<input type="checkbox"/> Low Resolution <input type="checkbox"/> High Resolution *	STRUCTURE AND ELEMENTAL FORMULA: C ____ H ____ N ____ O ____	
PURPOSE OF ANALYSIS (check one or more) <input type="checkbox"/> MW Determination <input type="checkbox"/> Structure Confirmation <input type="checkbox"/> Identify Unknown <input type="checkbox"/> Isotope Ratio		
OUTPUT DESIRED: <input type="checkbox"/> Plot <input type="checkbox"/> List <input type="checkbox"/> Chromatogram <input type="checkbox"/> Selected Ion Chromatogram <input type="checkbox"/> Library Search (EI Spectra Only)		
OFFICE USE ONLY INSTRUMENT: VG MAT 95XL LCQ HP 5972 Ionization: EI DEI MALDI ESI Analyst _____ Filename _____ Inlet: Probe GC LC Date: _____ Scan Numbers: _____ Probe Temperature _____ C Source Temperature _____ C Matrix _____		
NOTES ON RUN: FOUND:		
Contact Information:	Valerie Frerichs Chemistry Mass Spectrometry Facility SUNY at Buffalo 329 NS Complex Buffalo, NY 14260 CHE-IC@buffalo.edu	