

## CH 318 N

## LECTURE 7

Textbook Assignment: Chapter 14- Mass Spec-finish

Homework (for credit): POW 3 posted

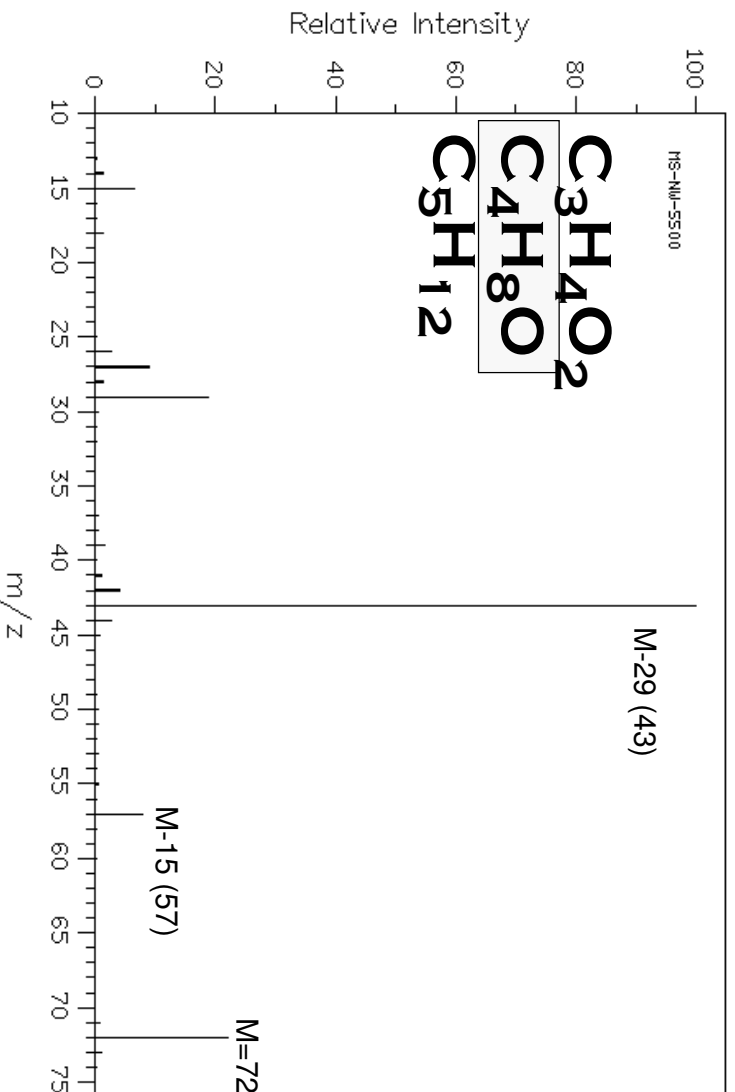
Today's Topics: Unknowns-Solving Spectra problems

*Notice & Announcements:*

**Exam I:**

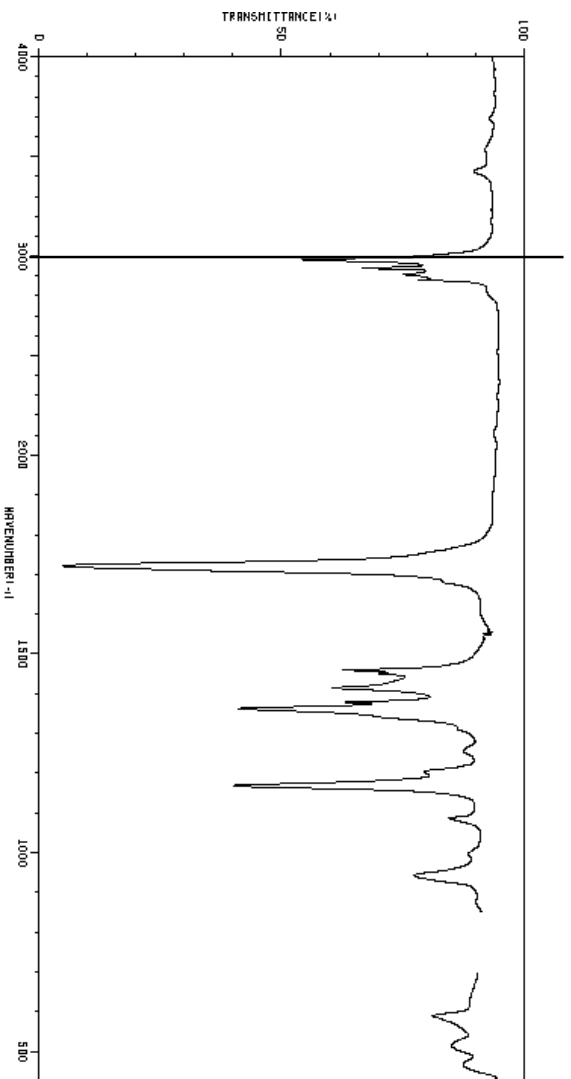
**Tuesday-9/22-JGB 2.216  
7-9 PM**

ORGANIC LECTURE SERIES  
**Unknown 3**



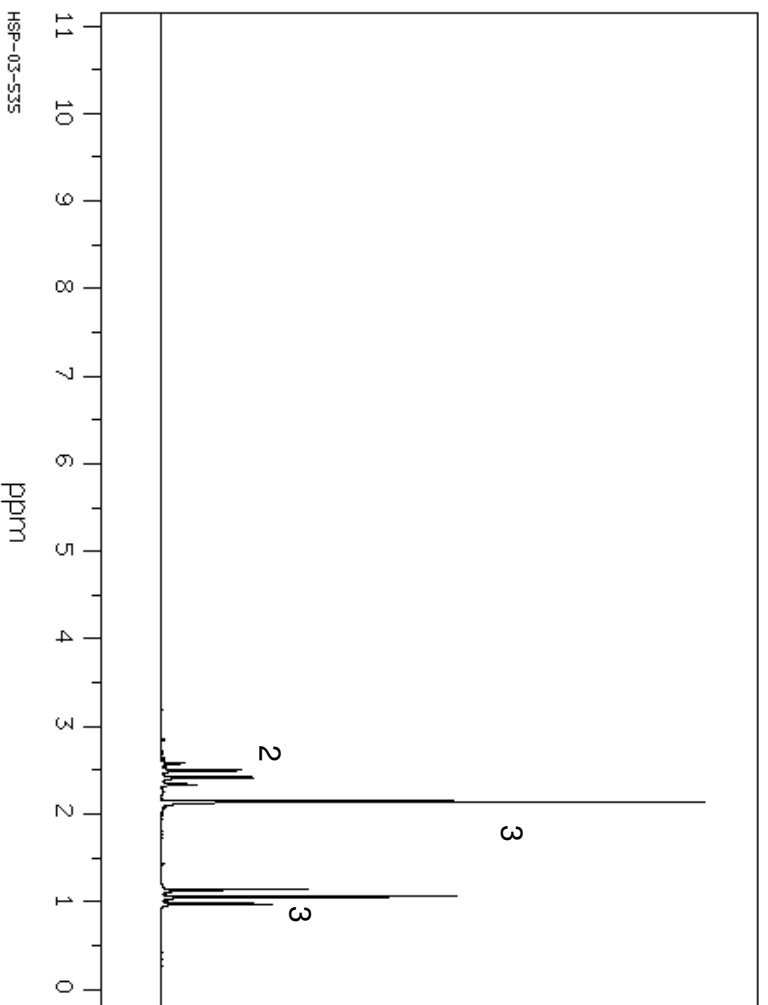
Note: there are 22 possible (known) compounds with the MW=72      2

ORGANIC LECTURE SERIES  
**Unknown 3**



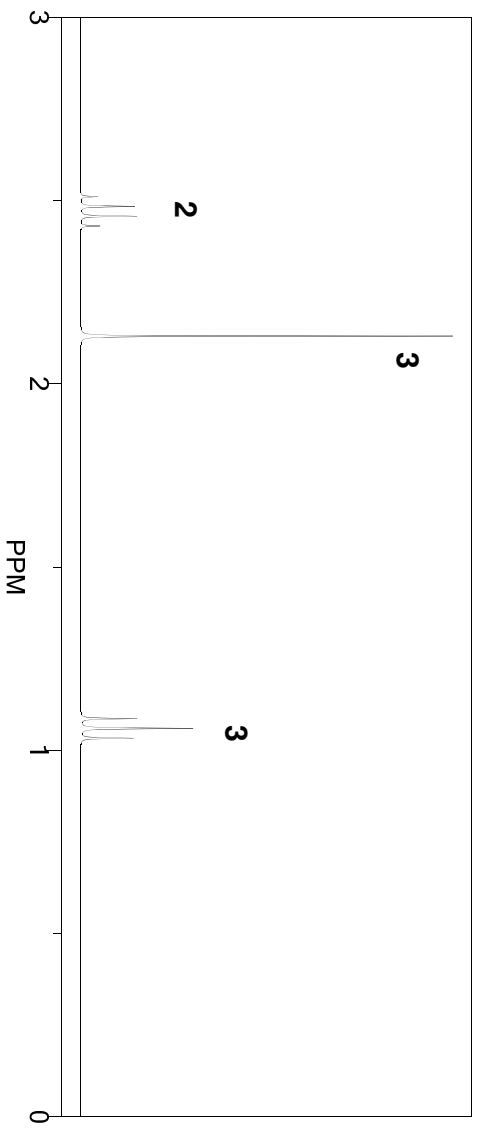
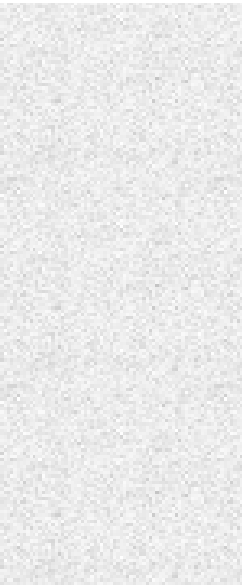
3

ORGANIC LECTURE SERIES  
**Unknown 3**



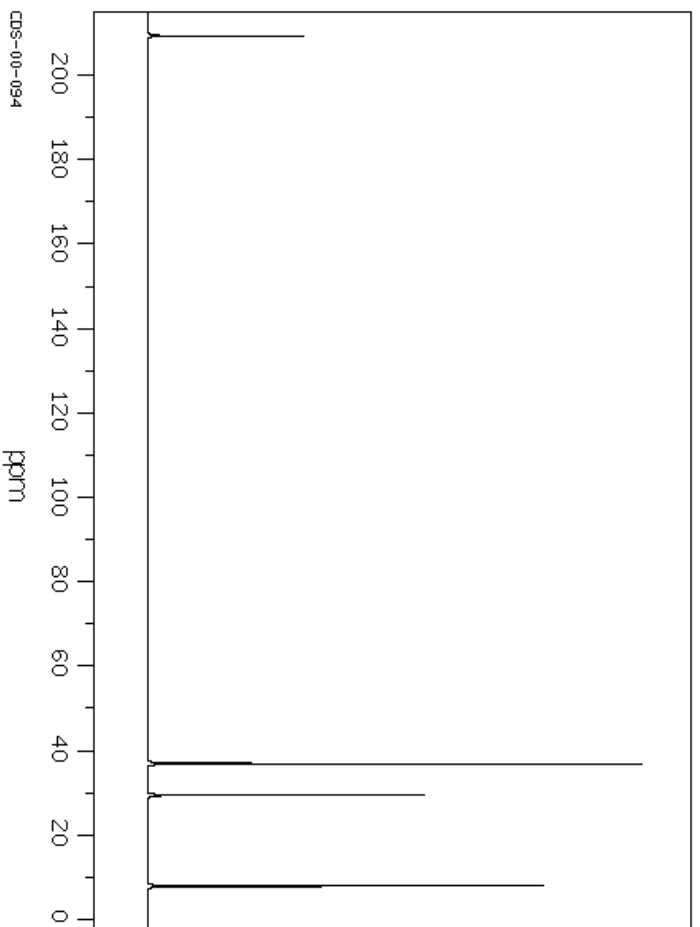
4

ORGANIC LECTURE SERIES  
**Unknown 3**



5

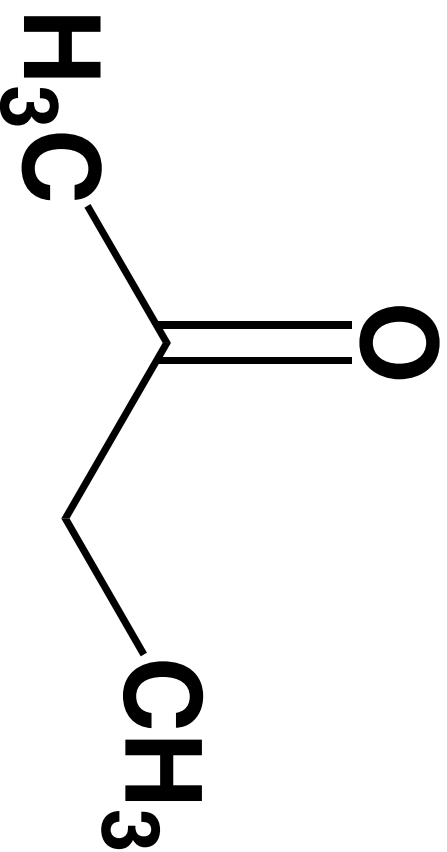
ORGANIC LECTURE SERIES  
**Unknown 3**



6

## Unknown 3

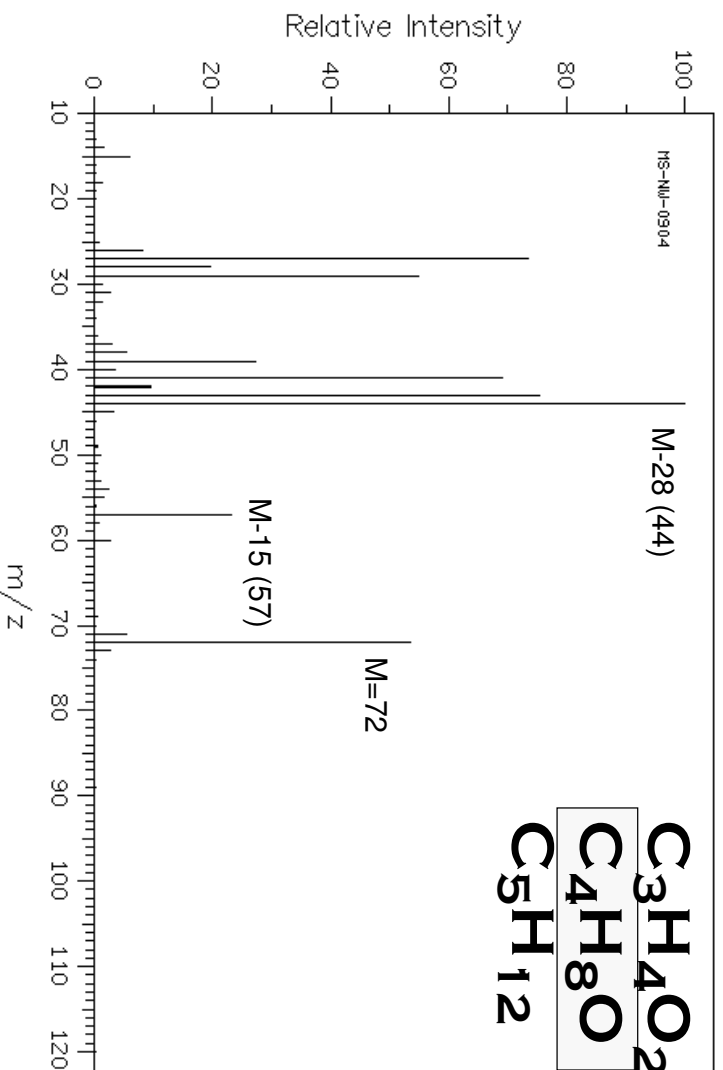
# AND...the structure is:



2-butanone

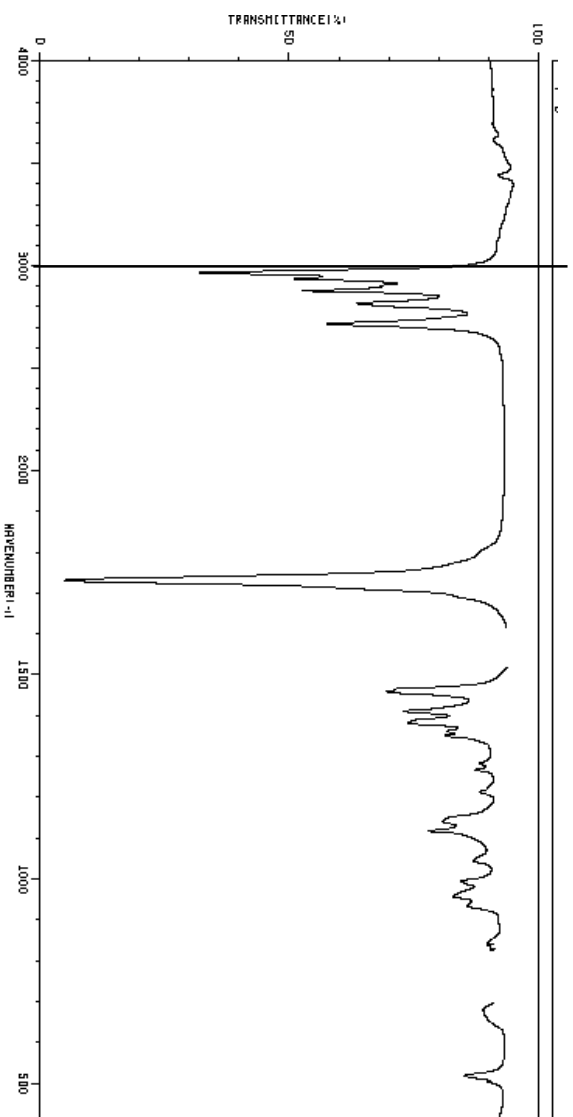
7

## Unknown 4



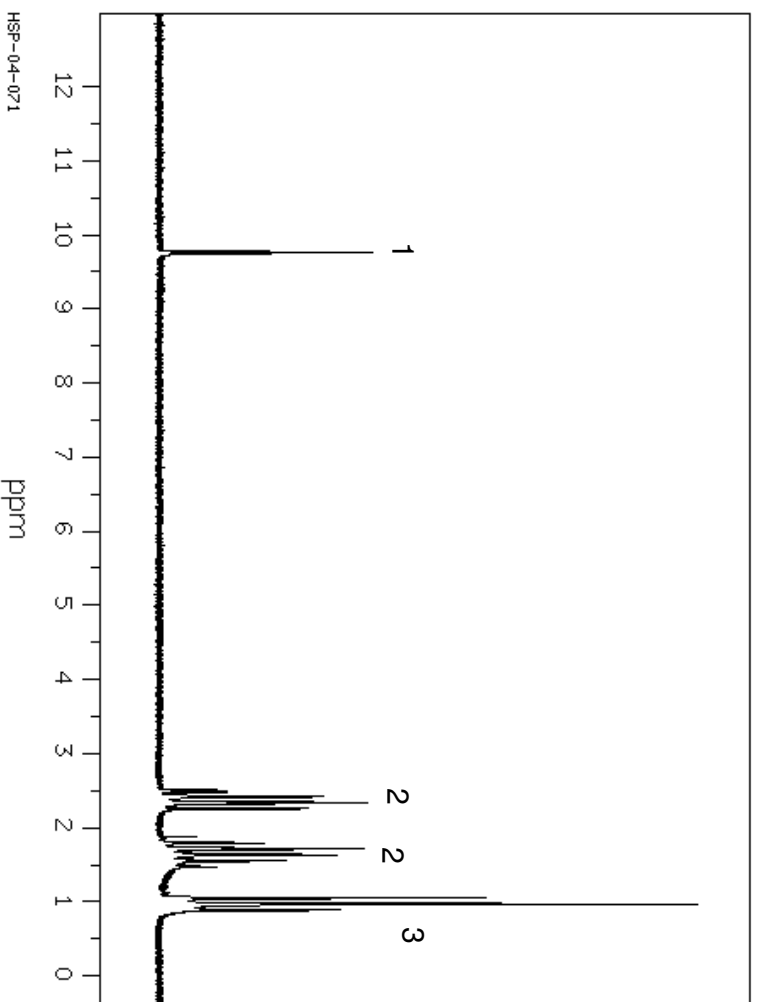
8

ORGANIC LECTURE SERIES  
**Unknown 4**



9

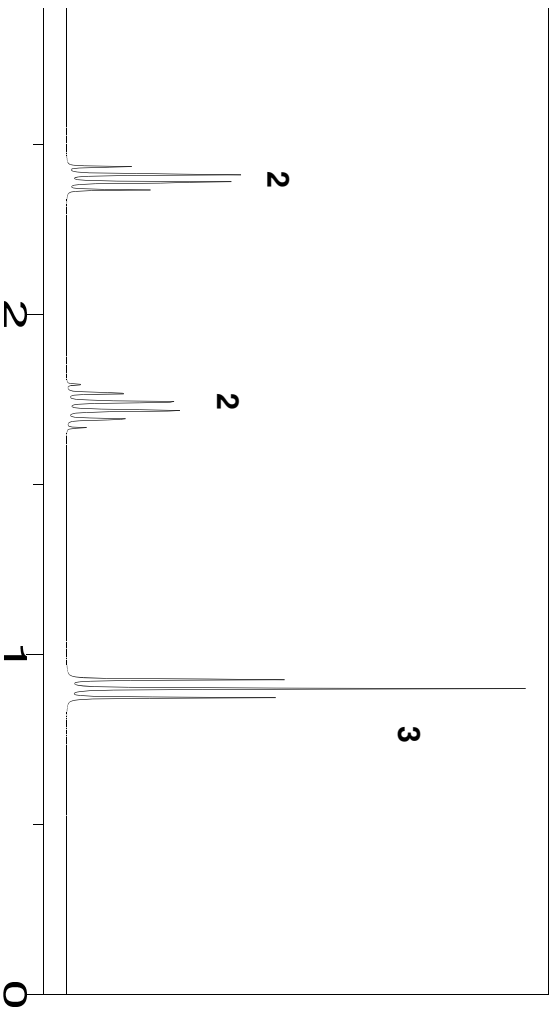
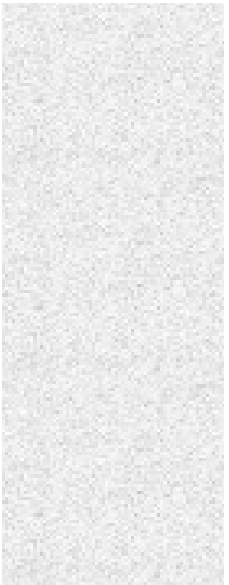
ORGANIC LECTURE SERIES  
**Unknown 4**



HSP-04-071

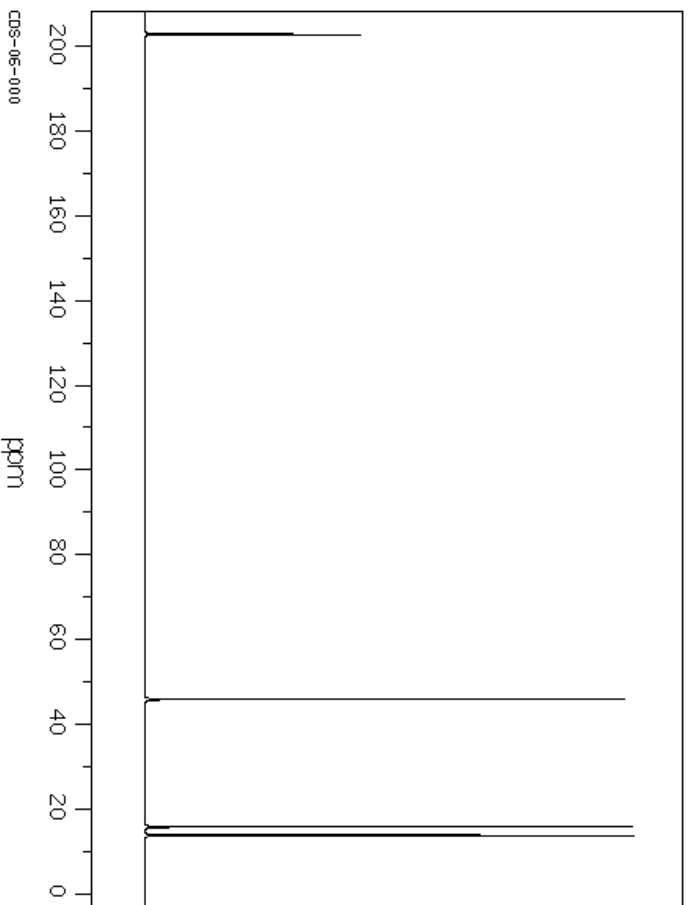
10

ORGANIC LECTURE SERIES  
**Unknown 4**



11

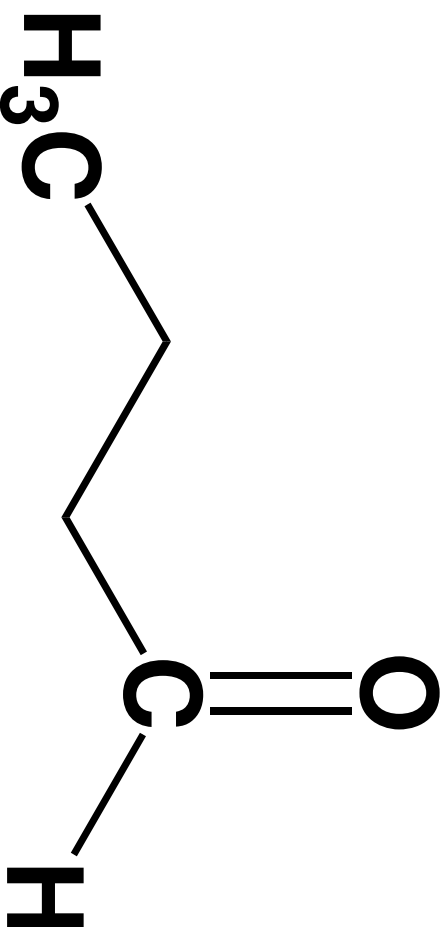
ORGANIC LECTURE SERIES  
**Unknown 4**



12

## Unknown 4

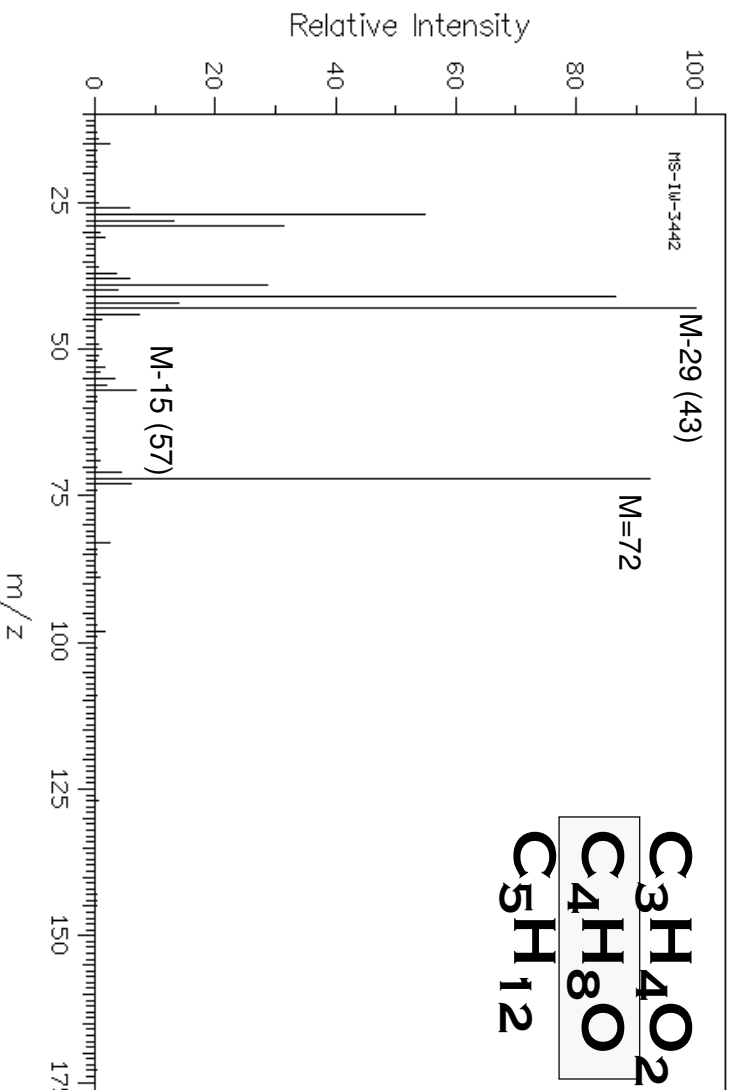
# AND...the structure is:



n-butyraldehyde

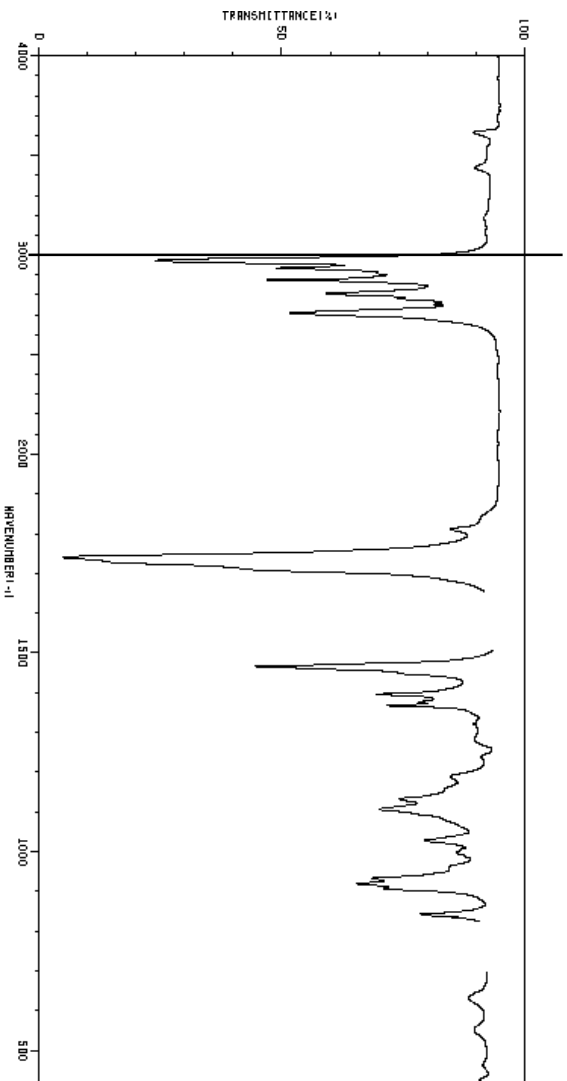
13

## Unknown 5



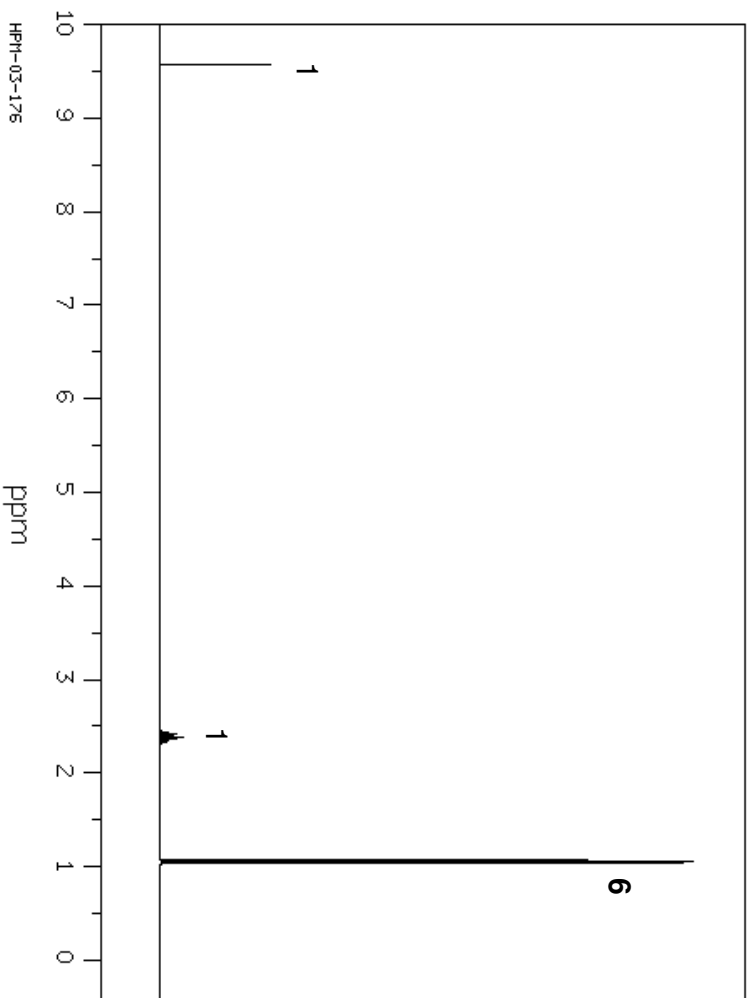
14

ORGANIC LECTURE SERIES  
**Unknown 5**

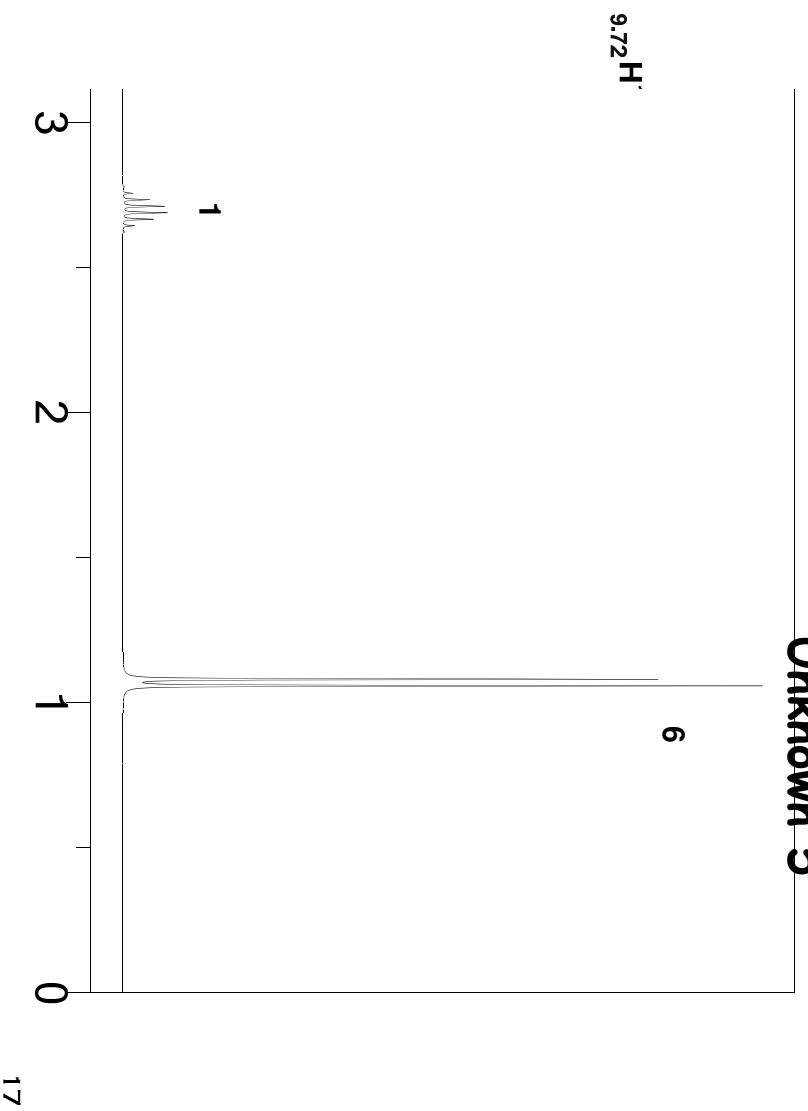
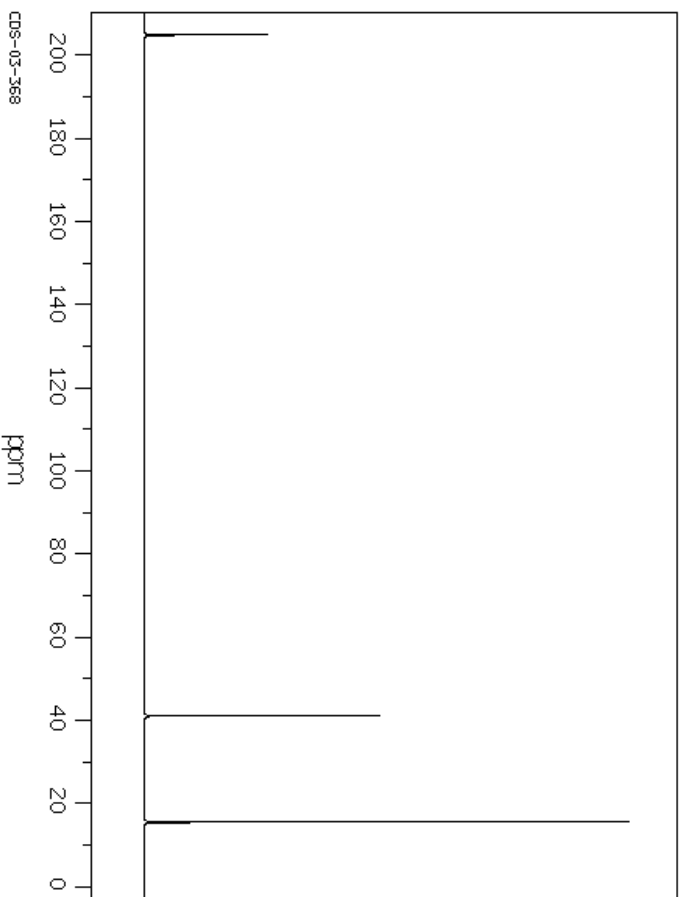


15

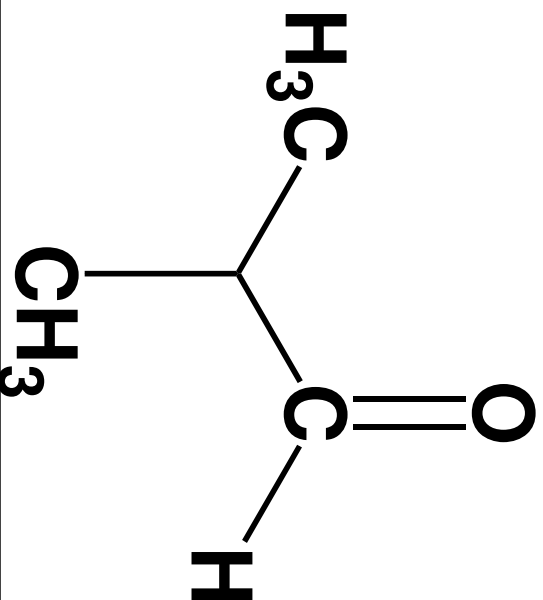
ORGANIC LECTURE SERIES  
**Unknown 5**



16

**Unknown 5****Unknown 5**

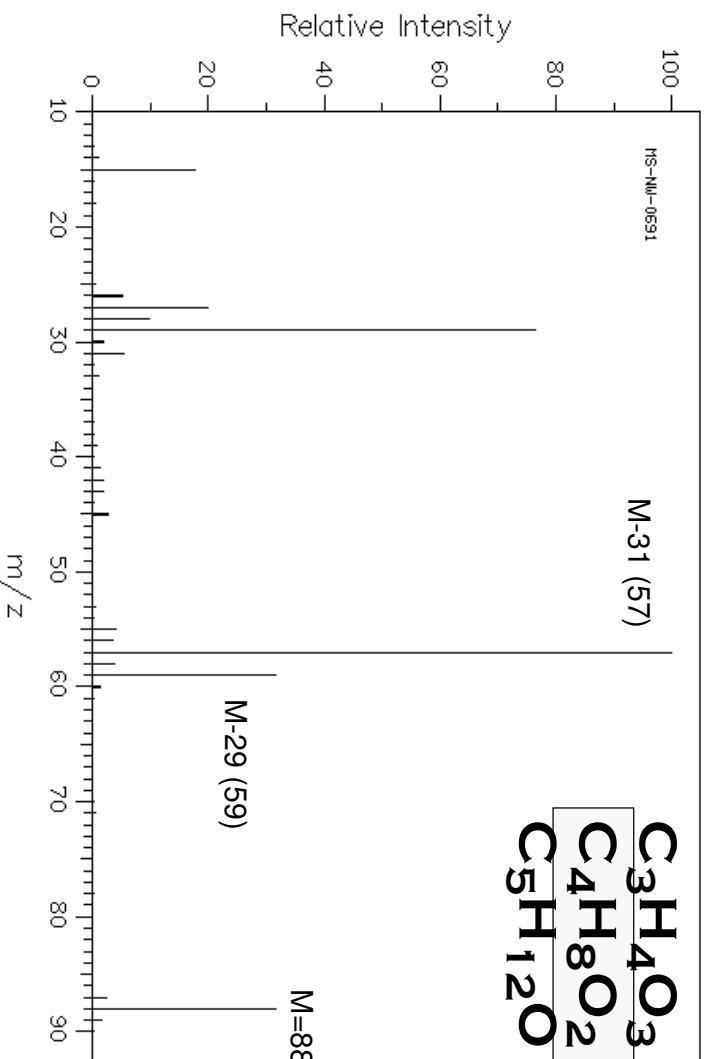
# AND...the structure is:



iso-butyraldehyde

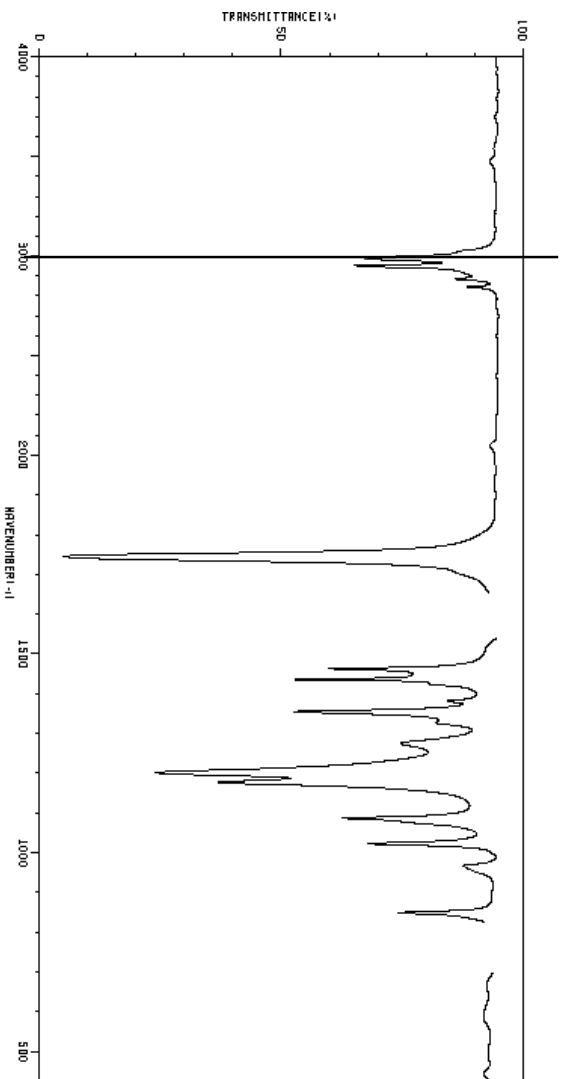
19

## Unknown 6



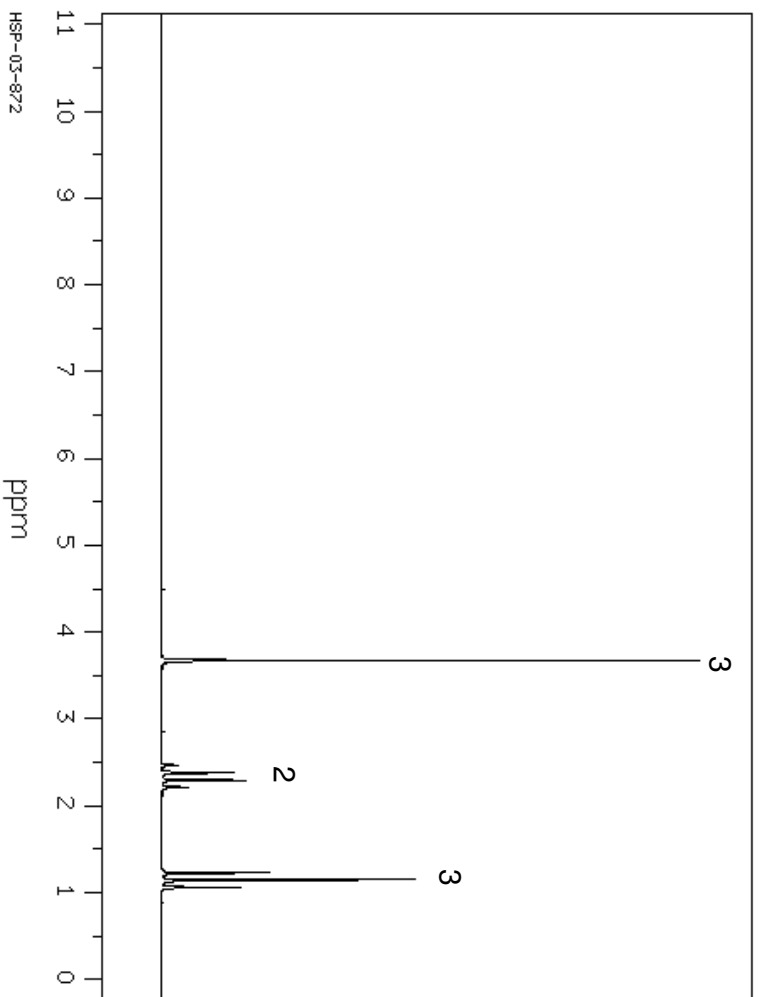
20

ORGANIC LECTURE SERIES  
**Unknown 6**



21

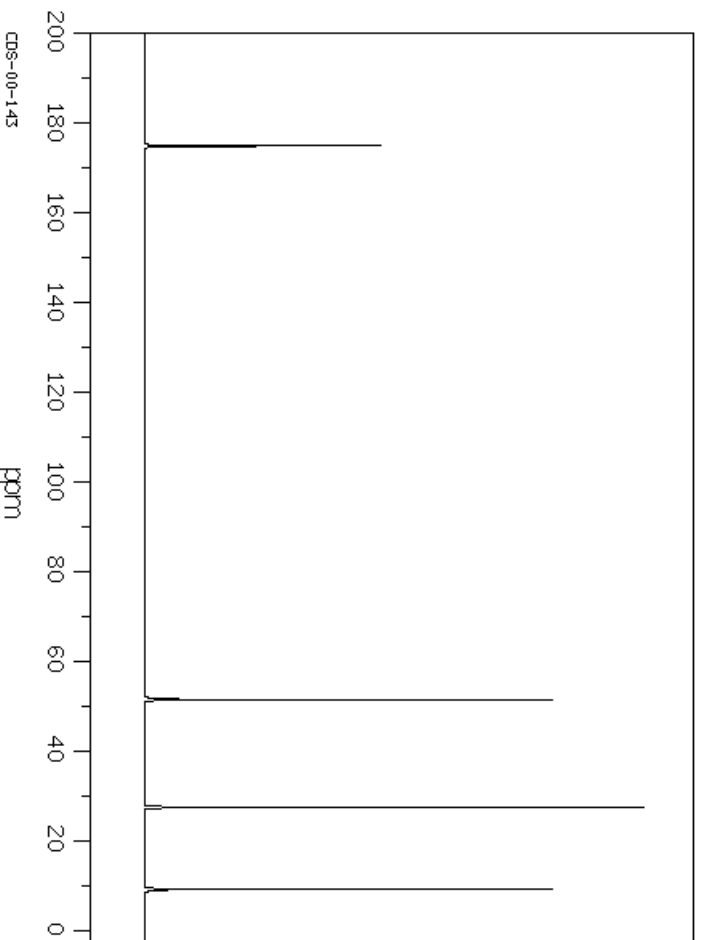
ORGANIC LECTURE SERIES  
**Unknown 6**



HSP-03-872

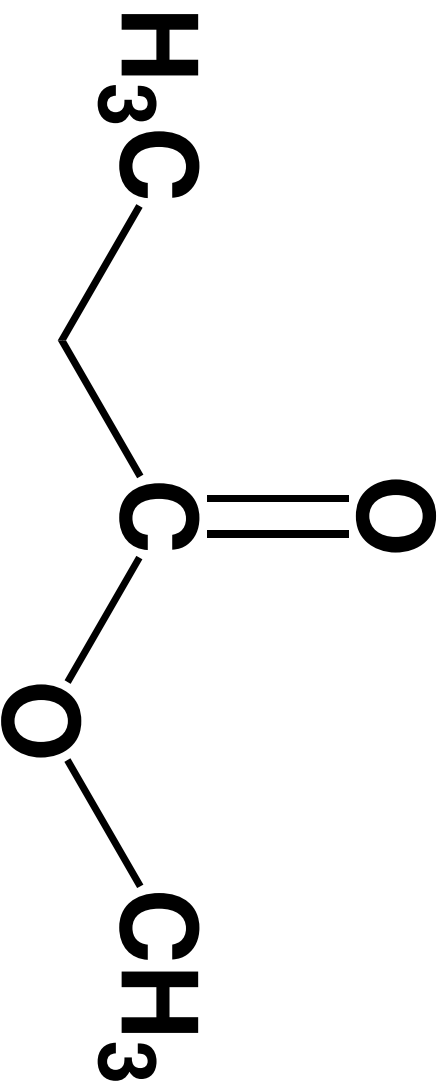
22

## Unknown 6



23

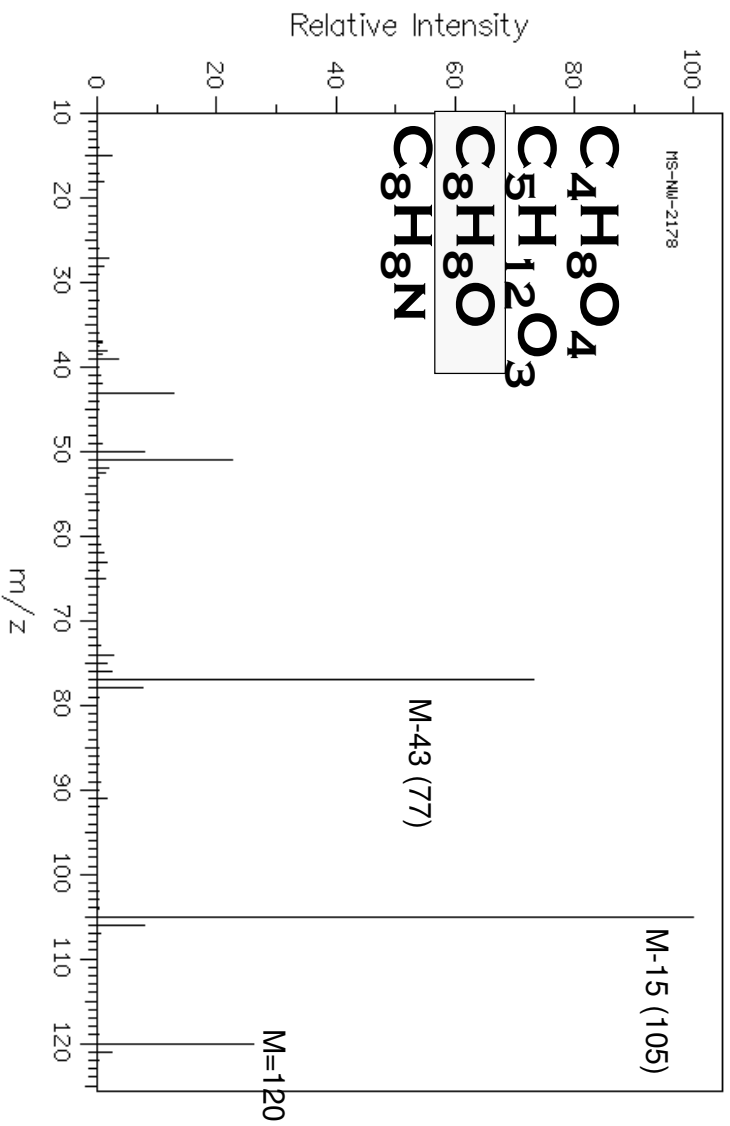
ORGANIC LECTURE SERIES  
**Unknown 6**  
AND...the structure is:



Methyl Propionate

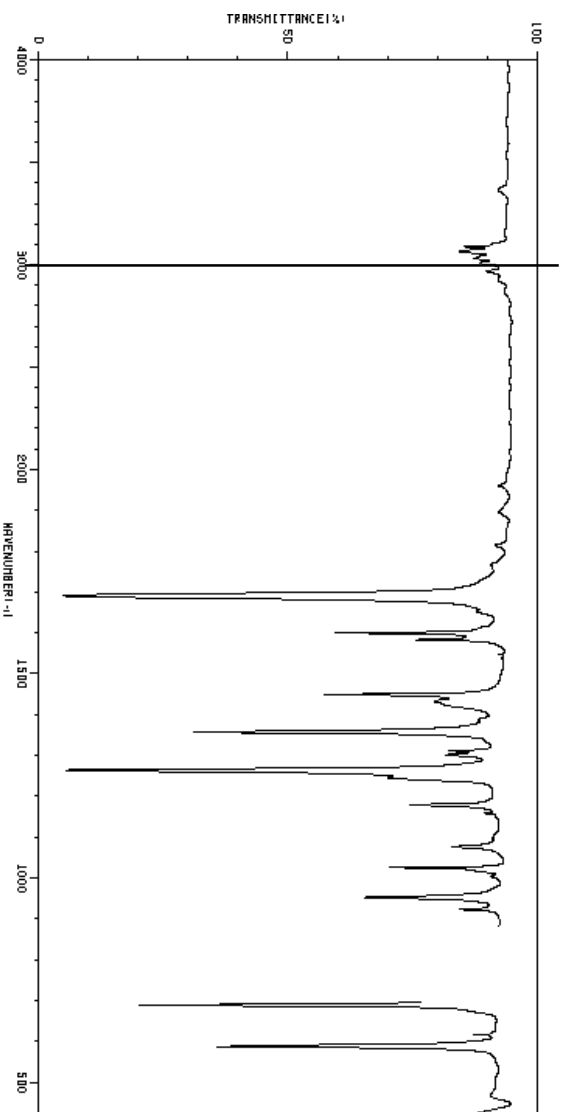
24

ORGANIC LECTURE SERIES  
**Unknown 7**

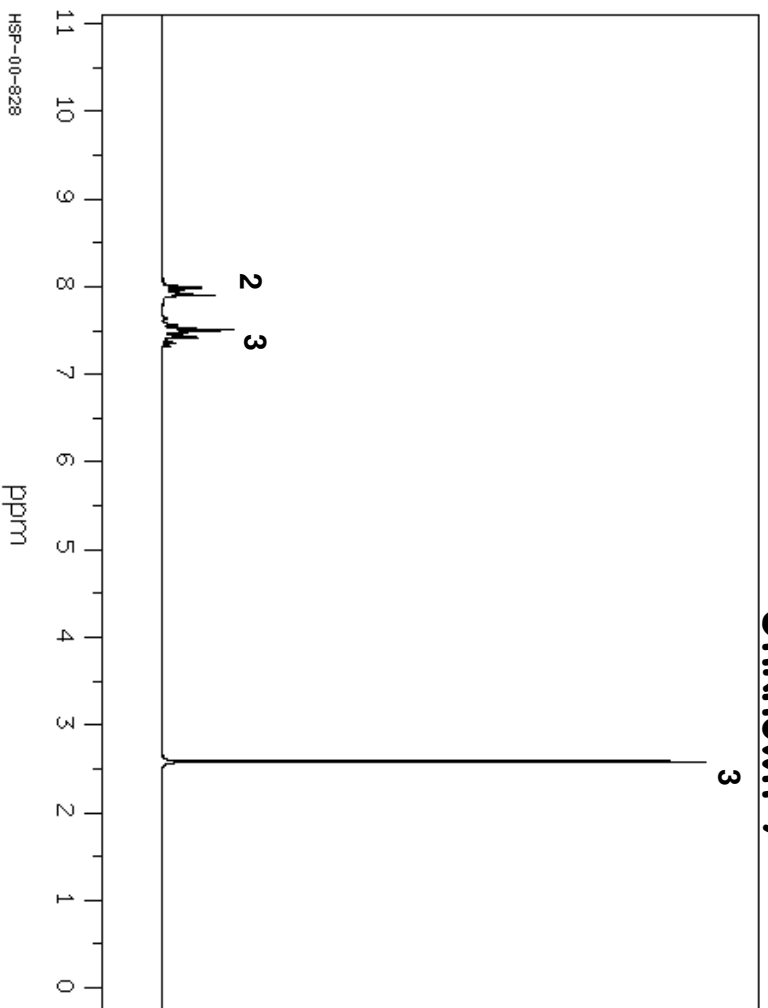


25

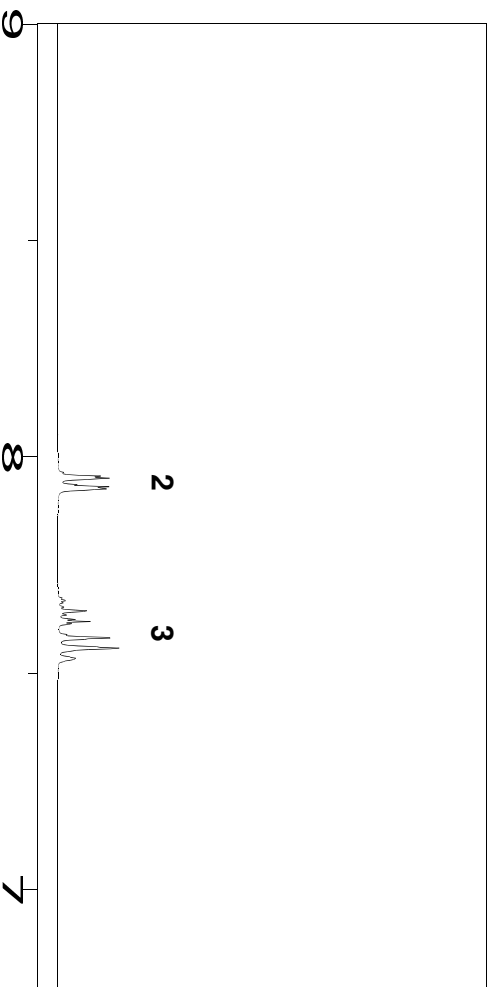
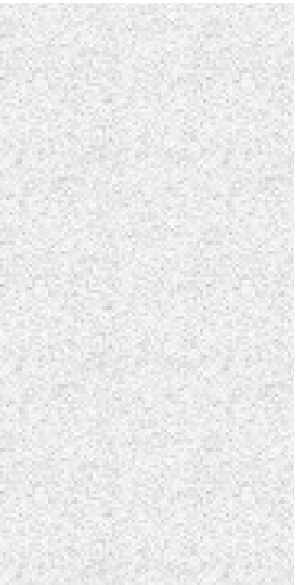
ORGANIC LECTURE SERIES  
**Unknown 7**



26

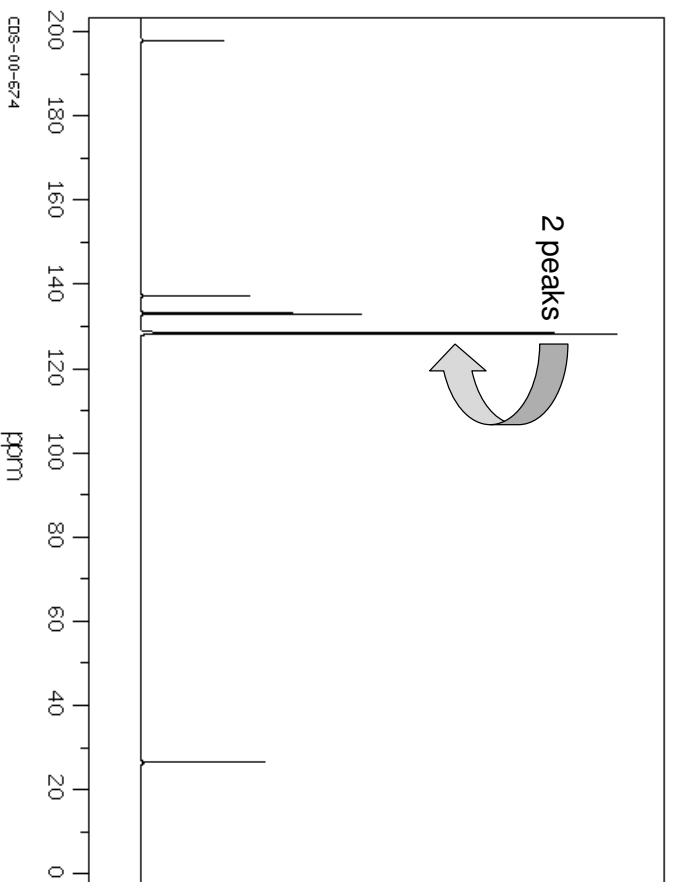
**Unknown 7**

27

**Unknown 7**  
ORGANIC LECTURE SERIES

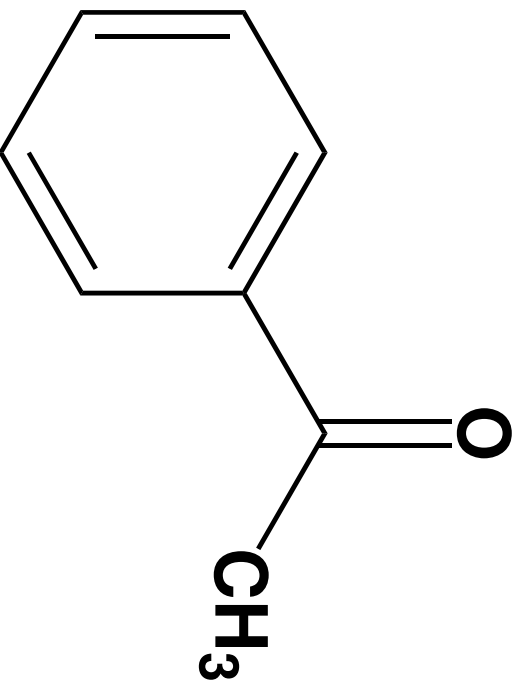
28

## Unknown 7



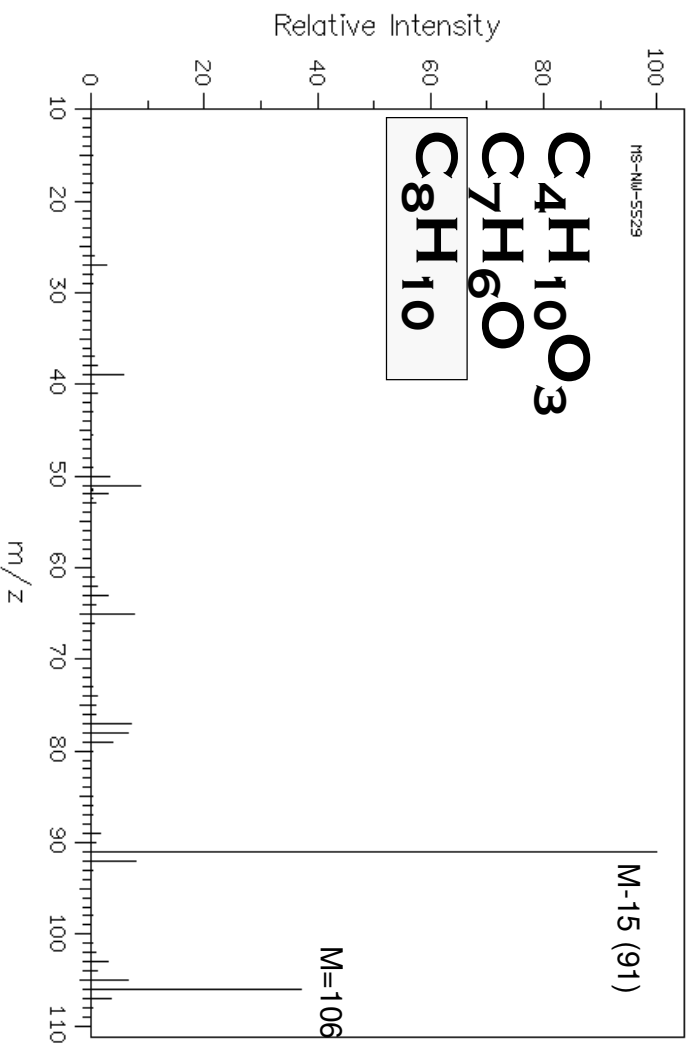
29

ORGANIC LECTURE SERIES  
Unknown 7  
**AND...the structure is:**

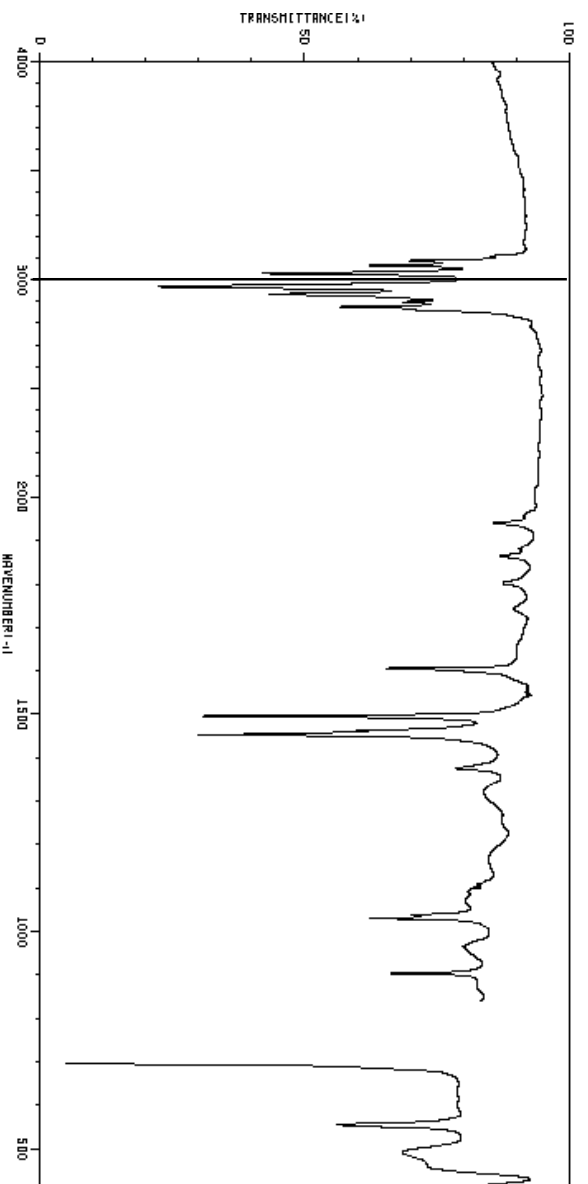


Acetophenone

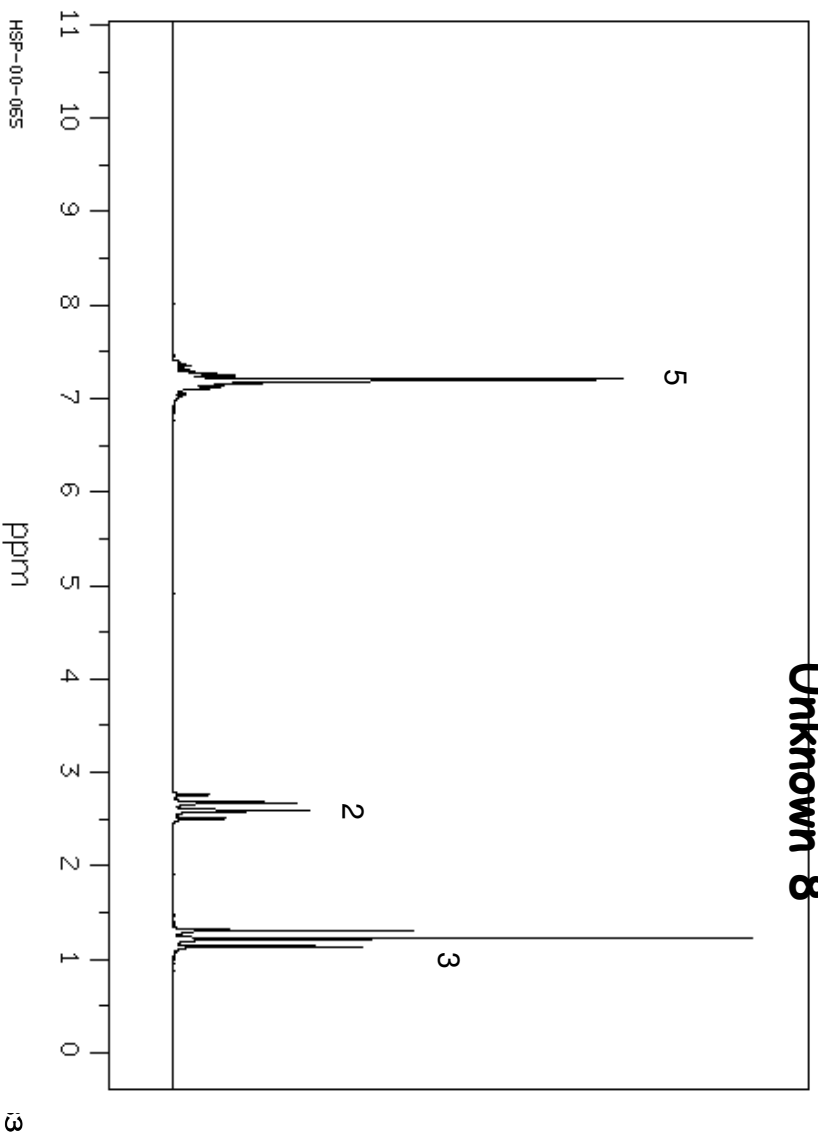
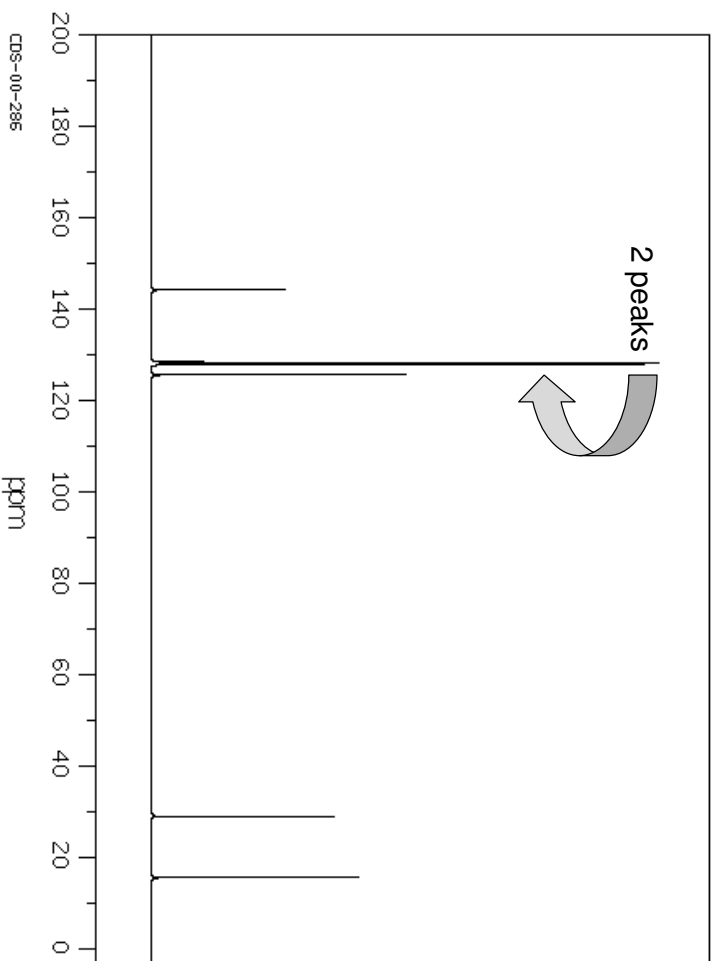
30

**Unknown 8**

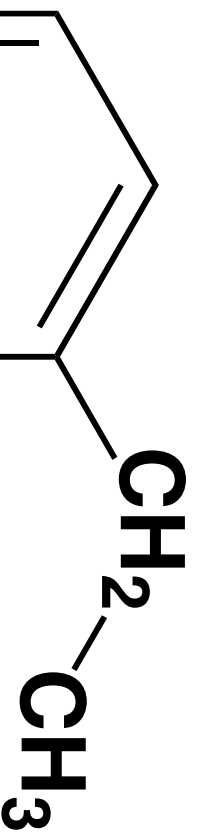
31

**Unknown 8**

32

**Unknown 8****Unknown 8**

# AND...the structure is:



Ethylbenzene