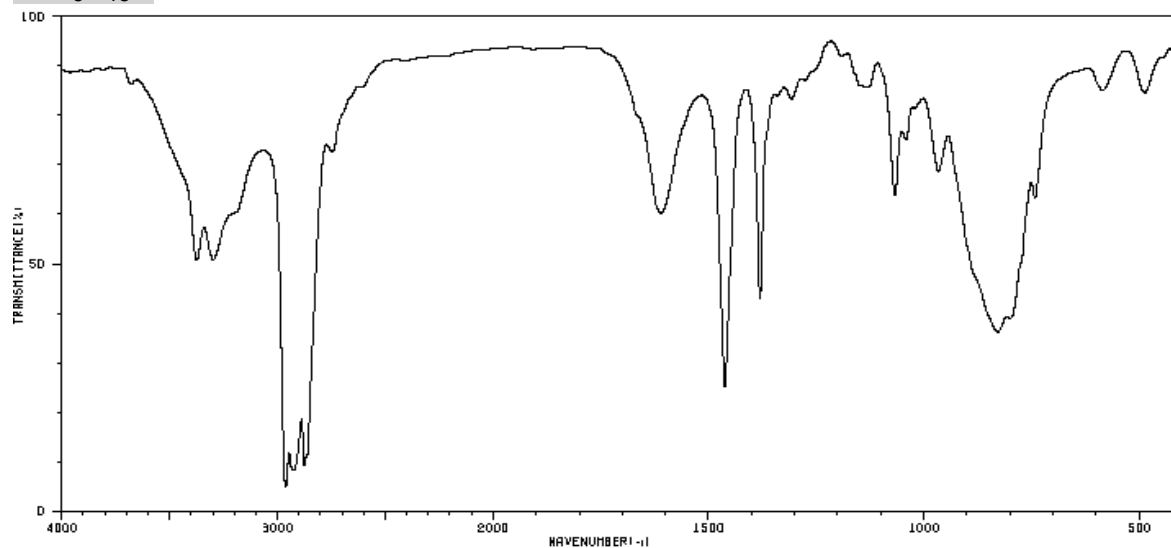


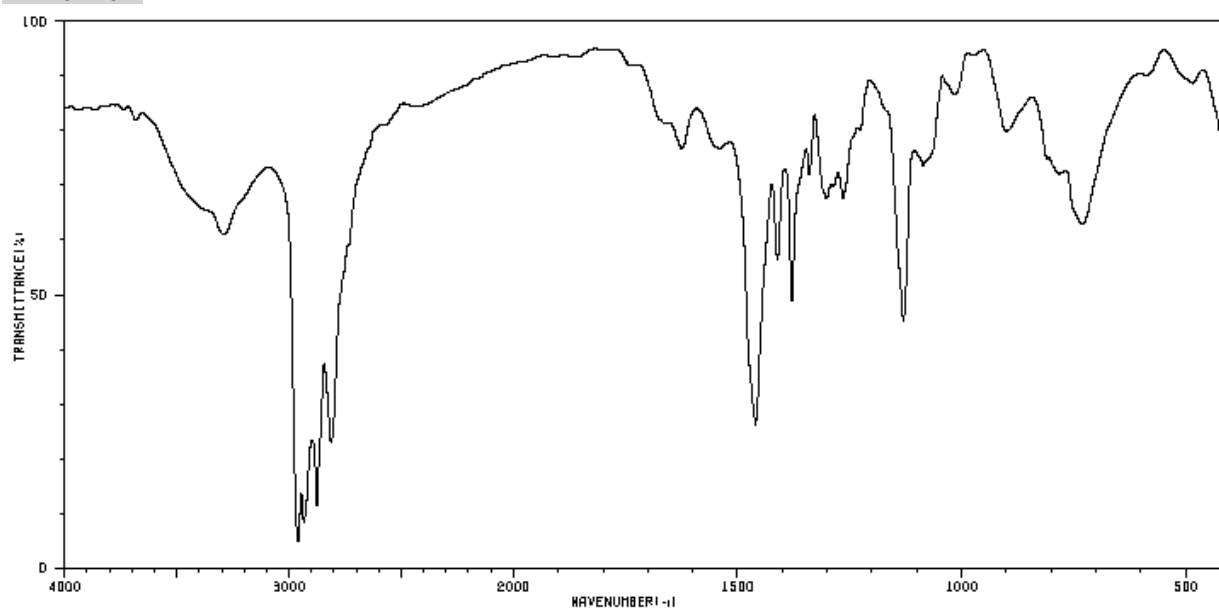
Complete the table for each molecular formula then identify the functional group

1. $C_6H_{15}N$



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |

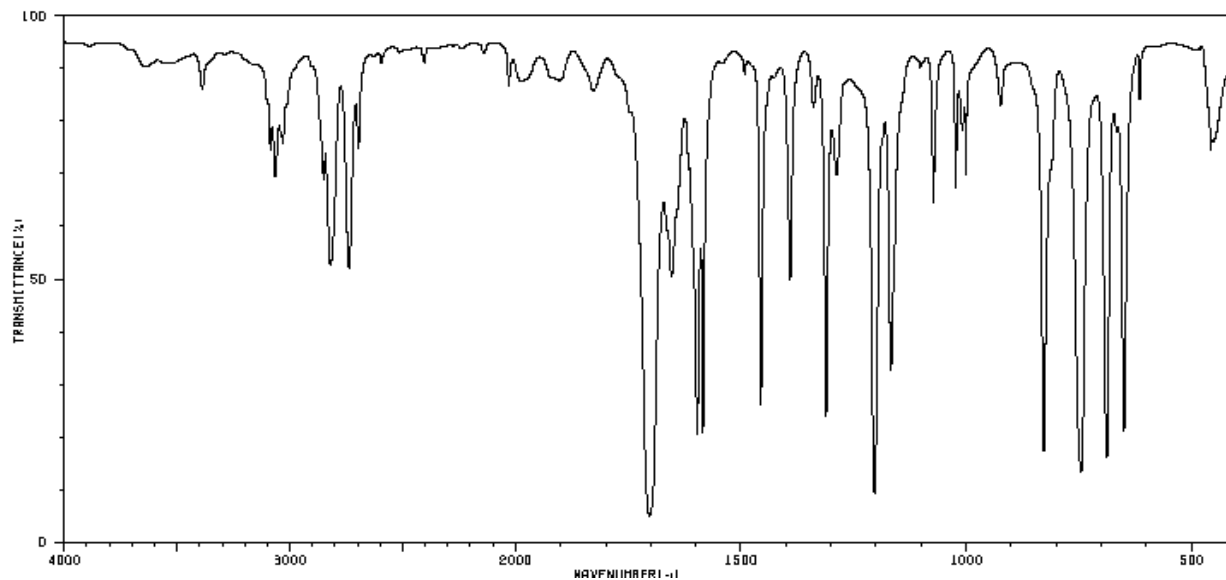
2. $C_6H_{15}N$



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |

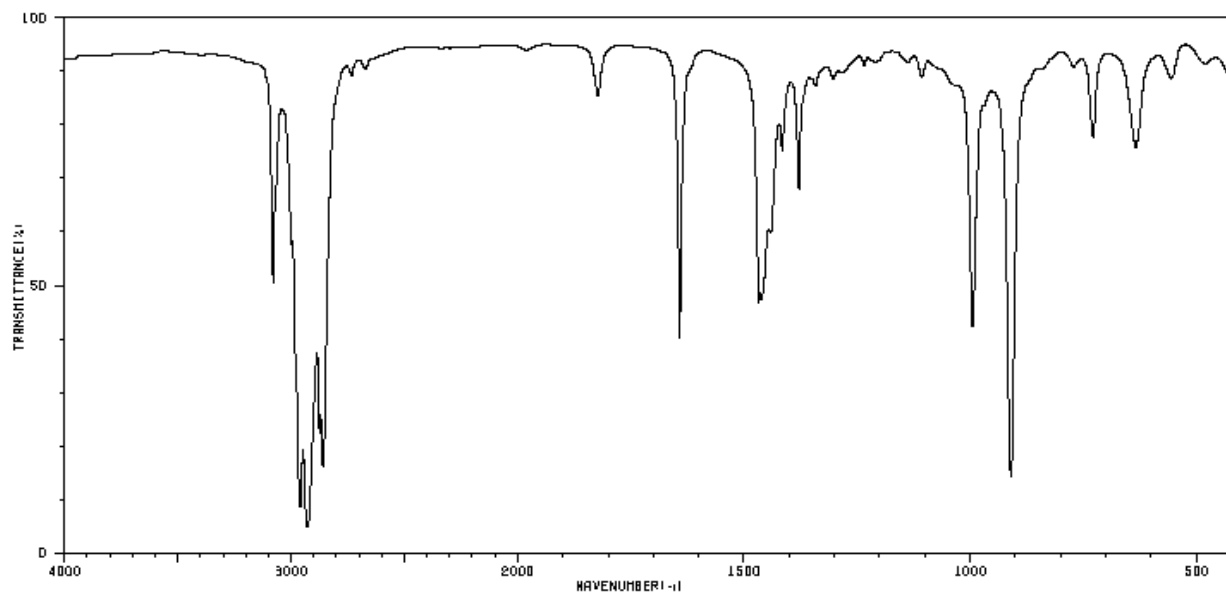
Complete the table for each molecular formula then identify the functional group

3. C₇H₆O



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |

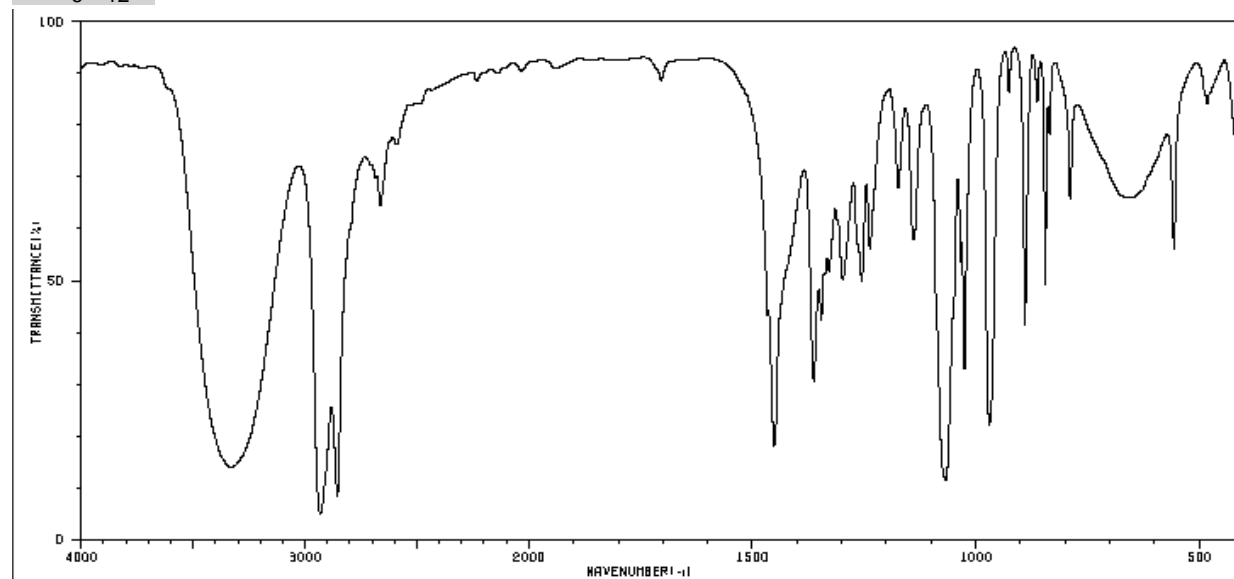
4. C₇H₁₄



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |

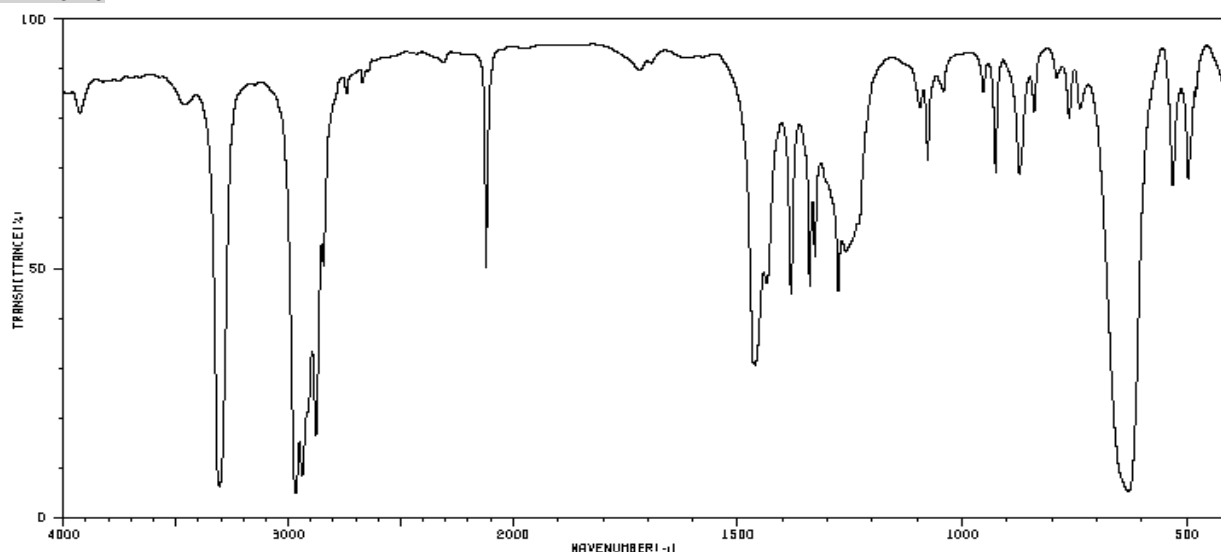
Complete the table for each molecular formula then identify the functional group

5. $C_6H_{12}O$



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |

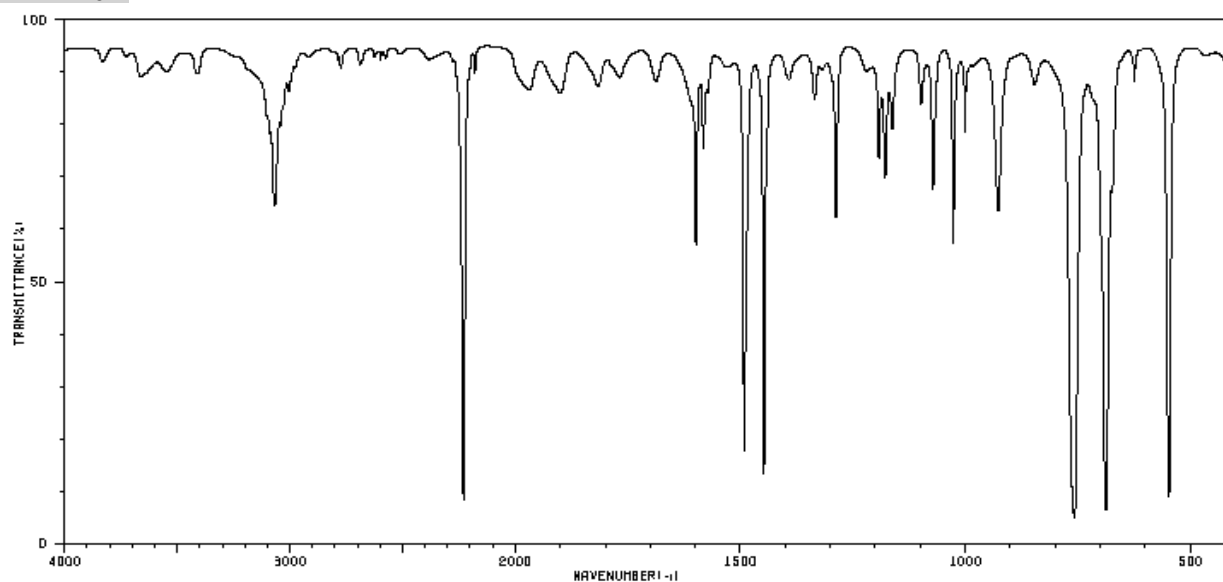
6. C_5H_8



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |

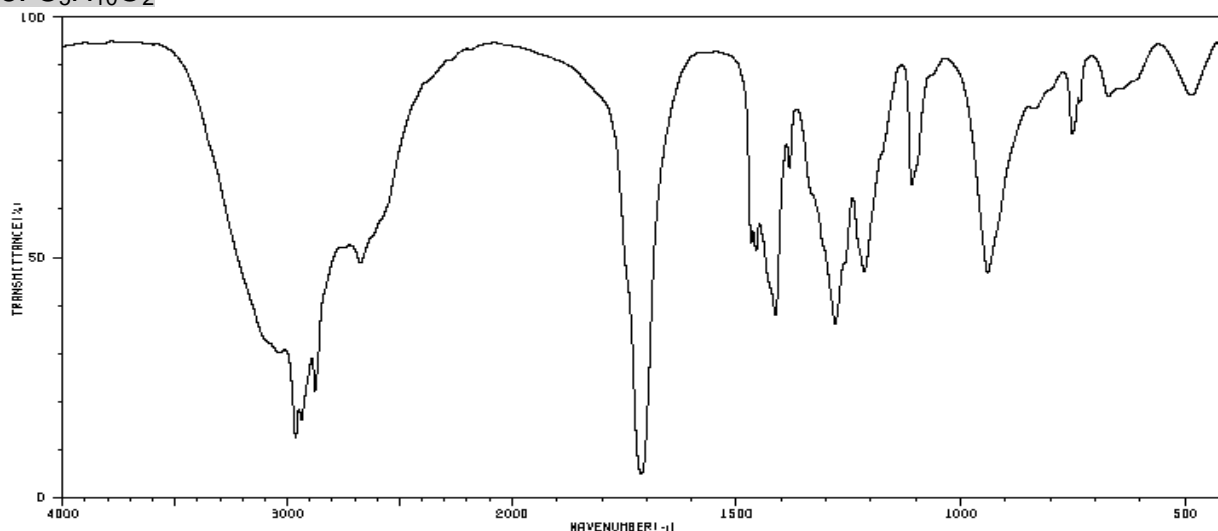
Complete the table for each molecular formula then identify the functional group

7. C_7H_5N



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |

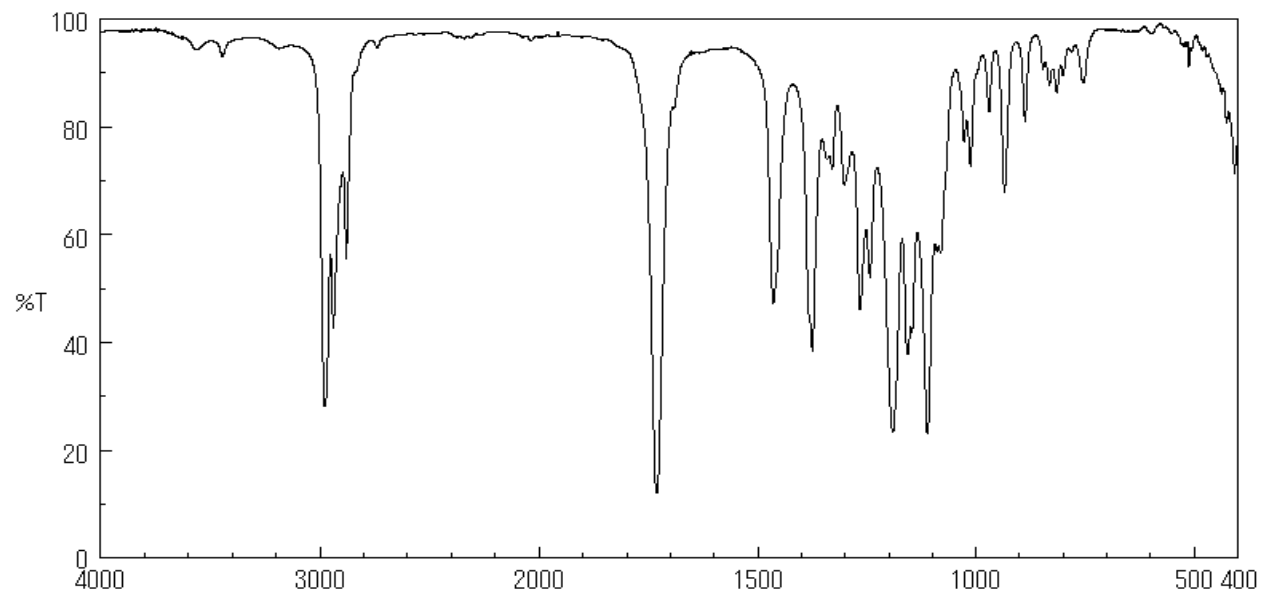
8. $C_5H_{10}O_2$



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |

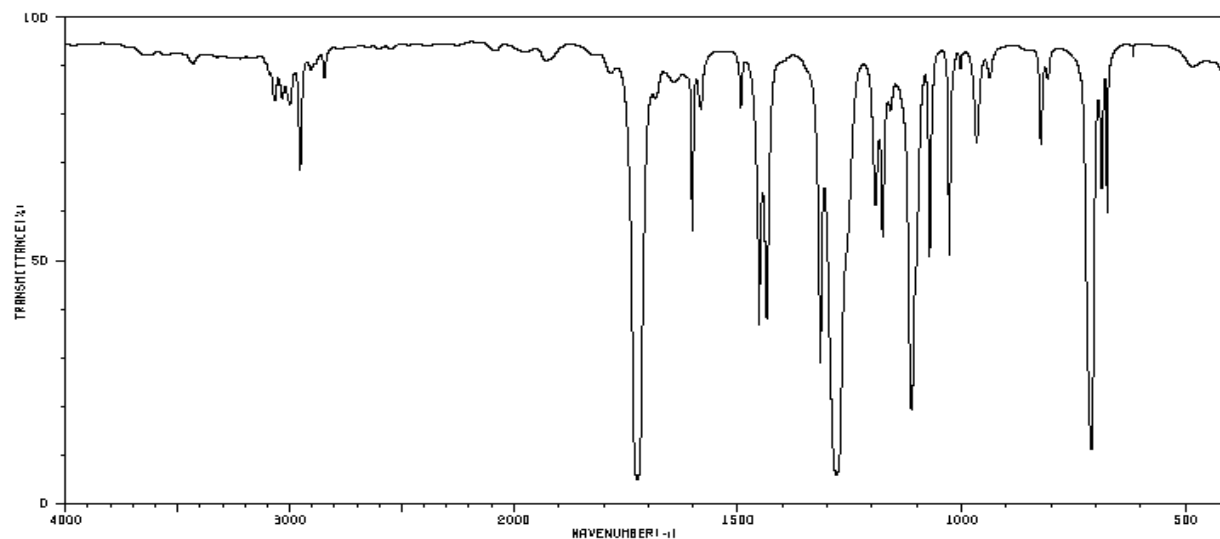
Complete the table for each molecular formula then identify the functional group

9. $C_8H_{16}O_2$



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |

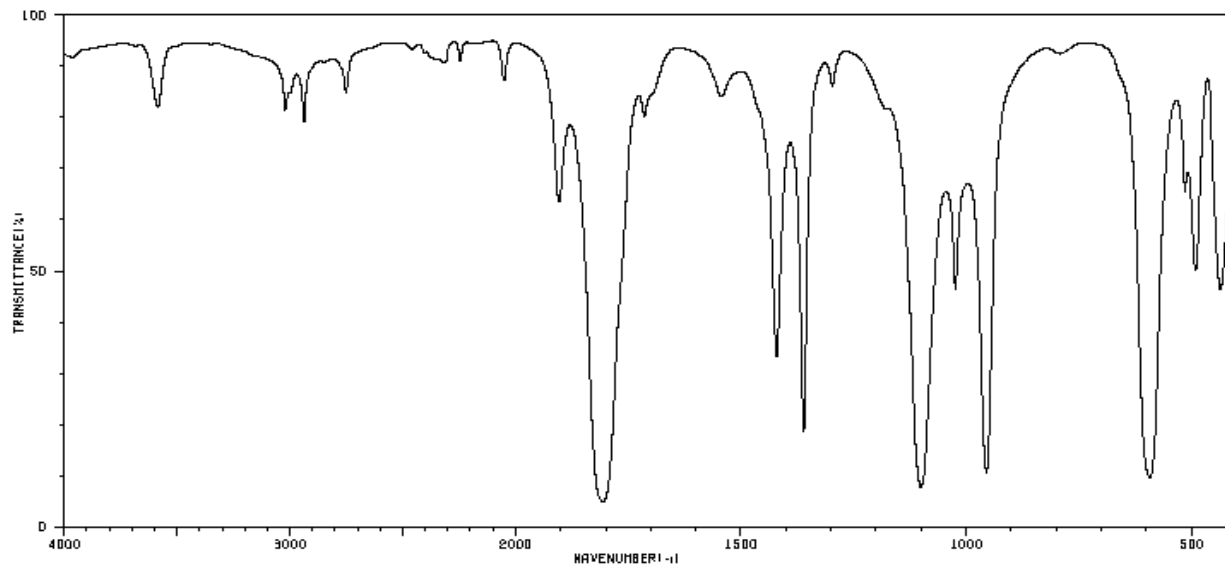
10. $C_8H_8O_2$



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |

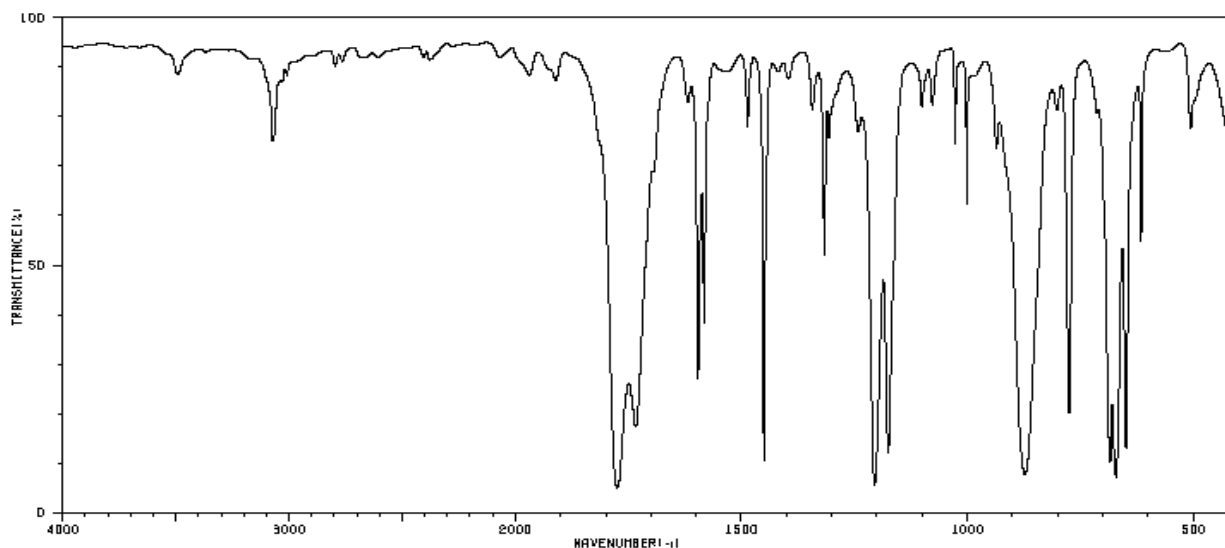
Complete the table for each molecular formula then identify the functional group

11. C_2H_3OCl



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |

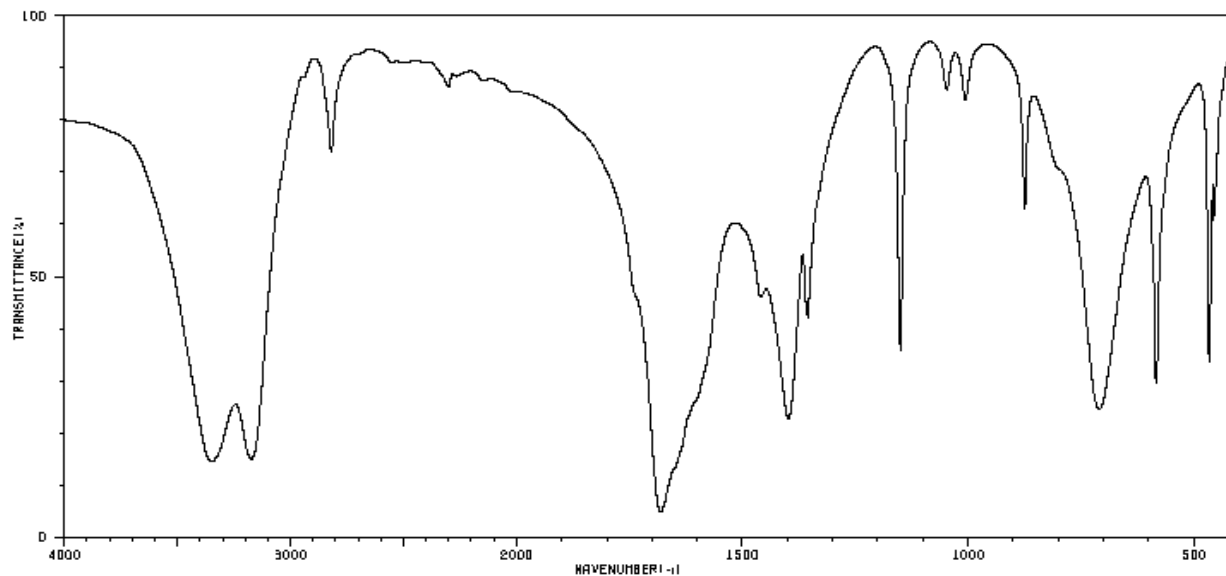
12. C_7H_5OCl



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |

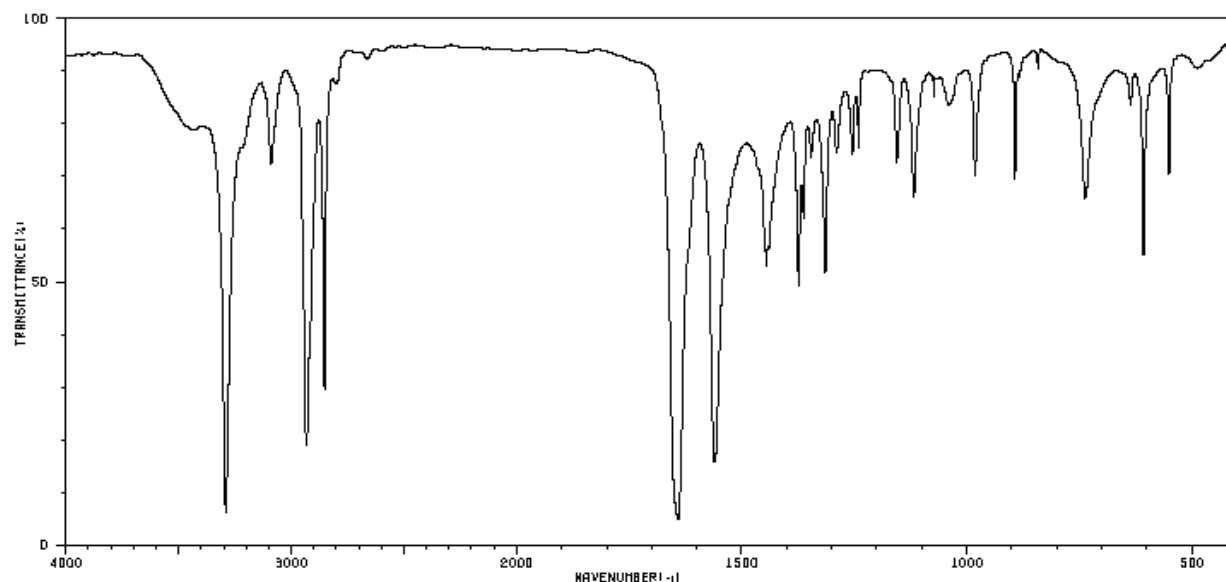
Complete the table for each molecular formula then identify the functional group

13. C_2H_5NO



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |

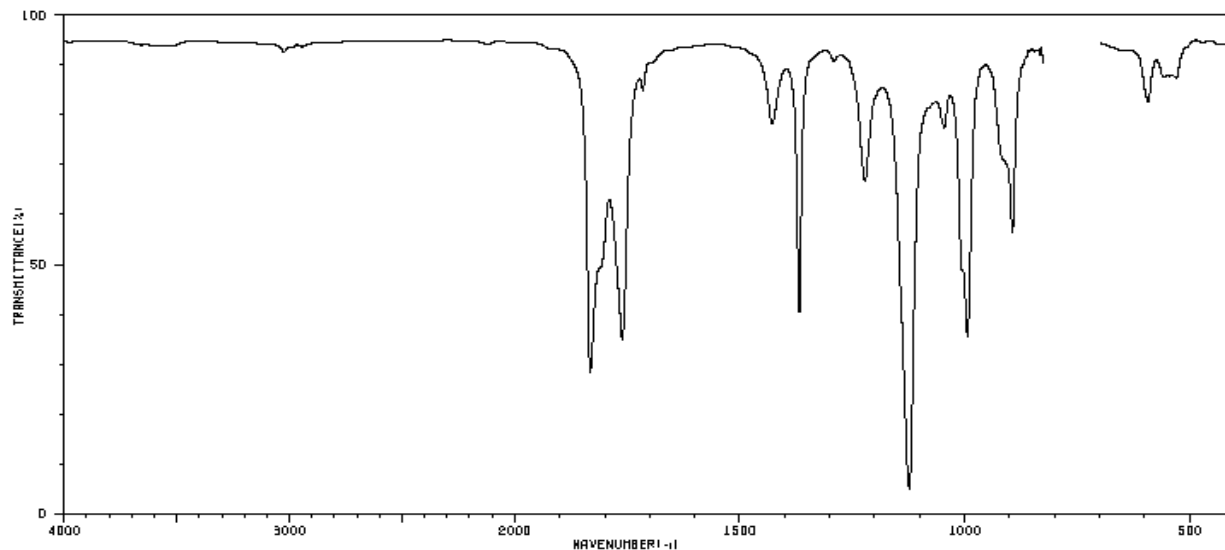
14. $C_8H_{15}NO$



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |

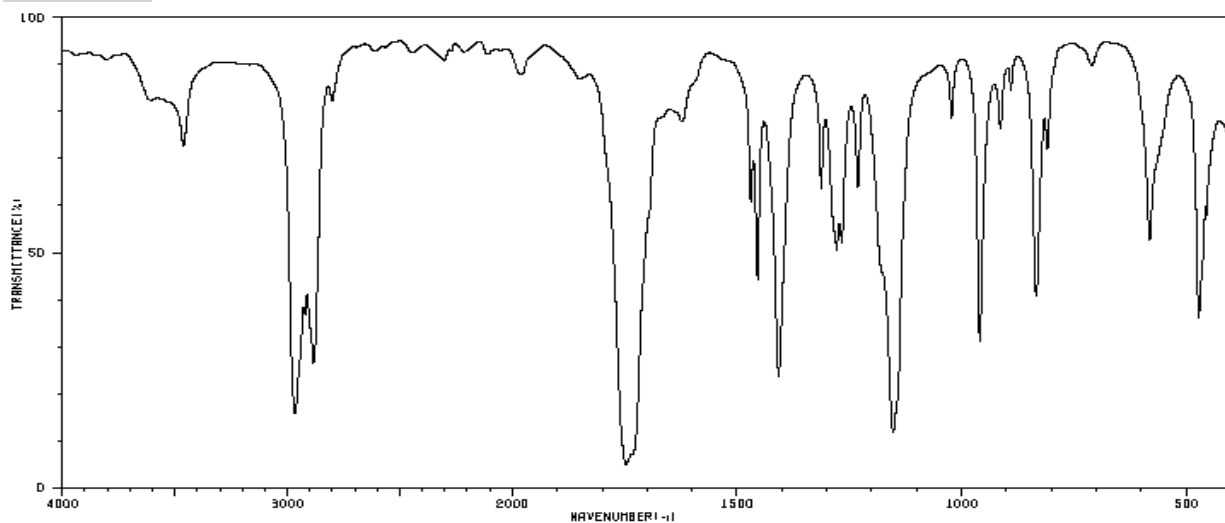
Complete the table for each molecular formula then identify the functional group

15. $C_4H_6O_3$



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |

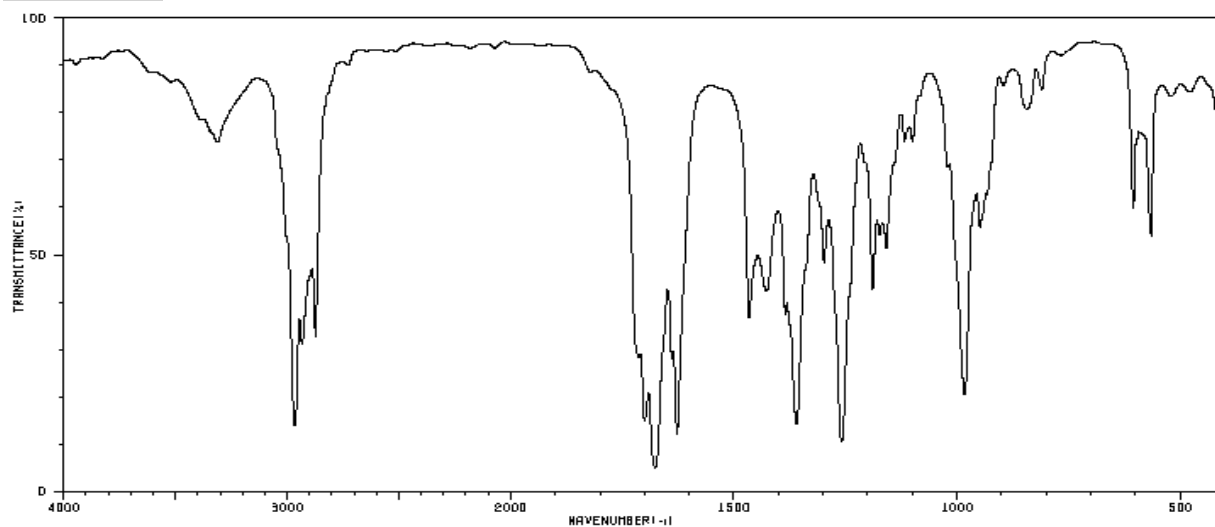
16. C_5H_8O



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |

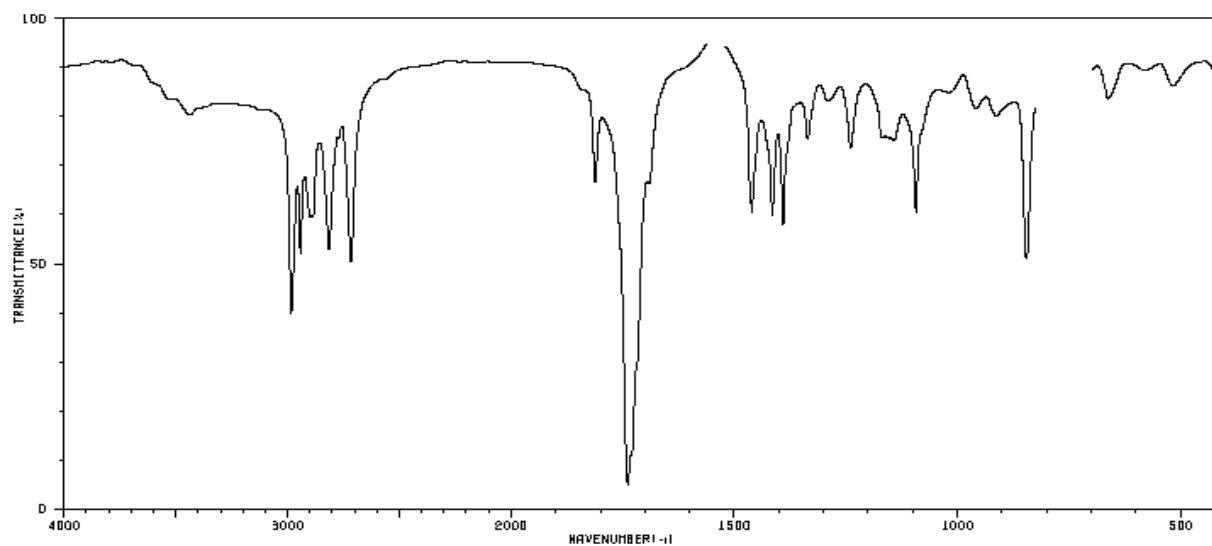
Complete the table for each molecular formula then identify the functional group

17. $C_7H_{12}O$



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |

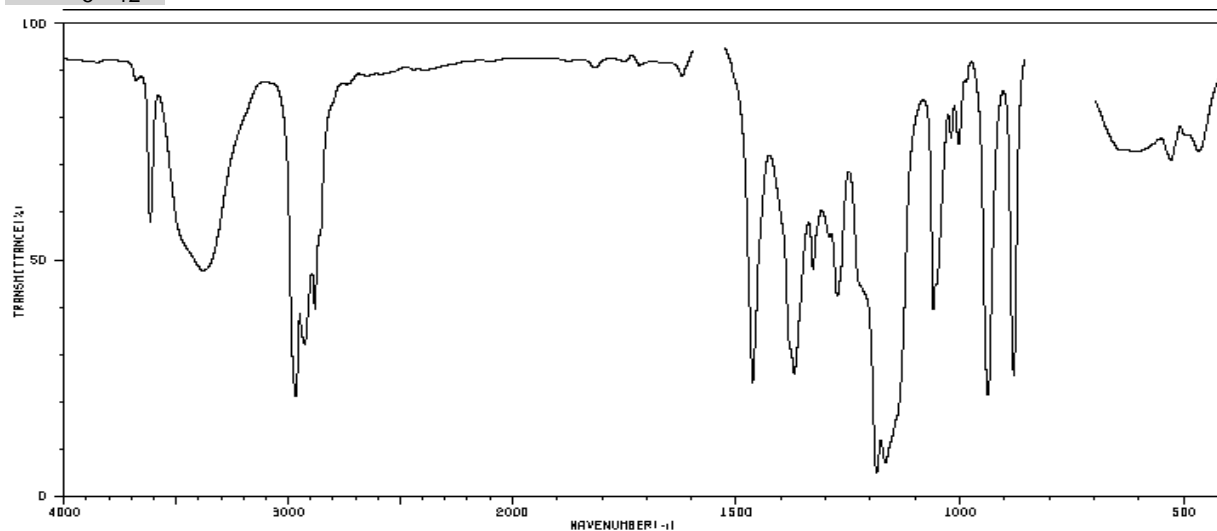
18. C_3H_6O



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |

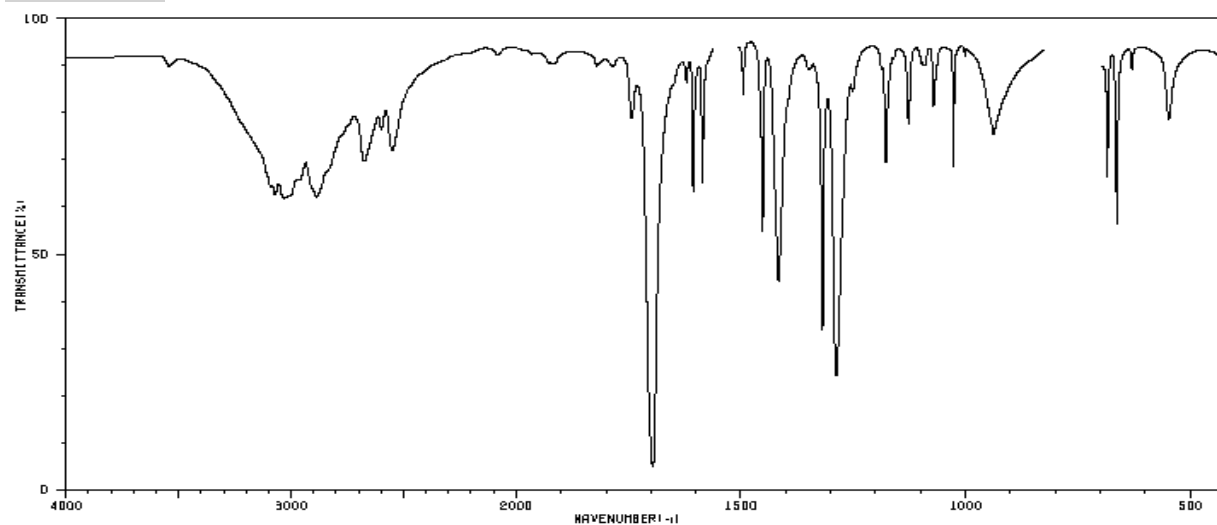
Complete the table for each molecular formula then identify the functional group

19. $C_5H_{12}O$



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |

20. $C_7H_6O_2$



| | |
|--|--|
| Degrees of unsaturation | |
| Possible functional groups consistent with molecular formula | |
| Diagnostic signal(s) | |
| Functional group consistent with spectrum | |