```python
from mrjob.job import MRJob
import re

# Regular expression to split words by non-alphabetic characters
WORD_RE = re.compile(r"\b\w+\b")


class InvertedIndex(MRJob):

    def mapper(self, _, line):
        # Check if the line has the expected format
        if ":" in line:
            document_number, text = line.split(':', 1)
            words = re.findall(WORD_RE, text.lower())
            for word in words:
                yield (word, document_number.strip())
        else:
            # Handle lines with unexpected format (e.g., empty lines)
            pass

    def reducer(self, word, documents):
        # Create a set to store unique document IDs
        unique_documents = set()

        # Add each document ID to the set
        for document in documents:
            unique_documents.add(document)

        # Emit the word and the list of documents where it appears
        yield (word, sorted(list(unique_documents)))


if __name__ == '__main__':
    InvertedIndex.run()
```