

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY053123\  
 Data File : VY013947.D  
 Acq On : 31 May 2023 19:43  
 Operator : KP/MD  
 Sample : 02981-04  
 Misc : 5.77g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-4

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052323S.M  
 Title : SW846 8260

Signal : TIC: VY013947.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.722       | 465           | 476         | 490          | rVB2     | 16703          | 53339         | 5.65%           | 0.827%        |
| 2         | 5.753       | 635           | 645         | 650          | rBV5     | 3282           | 10433         | 1.11%           | 0.162%        |
| 3         | 6.978       | 834           | 846         | 861          | rBV2     | 29441          | 97363         | 10.31%          | 1.510%        |
| 4         | 7.716       | 956           | 967         | 973          | rBV      | 139560         | 341589        | 36.18%          | 5.297%        |
| 5         | 7.789       | 973           | 979         | 991          | rVB      | 211585         | 490781        | 51.98%          | 7.611%        |
| 6         | 8.143       | 1024          | 1037        | 1049         | rBV      | 141452         | 330362        | 34.99%          | 5.123%        |
| 7         | 8.691       | 1118          | 1127        | 1137         | rBV      | 343079         | 678951        | 71.91%          | 10.529%       |
| 8         | 10.179      | 1363          | 1371        | 1379         | rBV      | 557173         | 938270        | 99.38%          | 14.550%       |
| 9         | 10.581      | 1429          | 1437        | 1443         | rBV      | 38389          | 69841         | 7.40%           | 1.083%        |
| 10        | 10.941      | 1491          | 1496        | 1507         | rBV      | 42448          | 72765         | 7.71%           | 1.128%        |
| 11        | 11.313      | 1555          | 1557        | 1564         | rVB2     | 8938           | 13423         | 1.42%           | 0.208%        |
| 12        | 11.489      | 1579          | 1586        | 1596         | rBV      | 556946         | 897568        | 95.07%          | 13.919%       |
| 13        | 11.709      | 1612          | 1622        | 1630         | rBV4     | 21792          | 48951         | 5.18%           | 0.759%        |
| 14        | 12.002      | 1663          | 1670        | 1673         | rBV7     | 9107           | 18045         | 1.91%           | 0.280%        |
| 15        | 12.124      | 1686          | 1690        | 1694         | rVB2     | 8679           | 12893         | 1.37%           | 0.200%        |
| 16        | 12.197      | 1694          | 1702        | 1705         | rBV7     | 5114           | 12457         | 1.32%           | 0.193%        |
| 17        | 12.245      | 1705          | 1710        | 1715         | rVB5     | 7243           | 16097         | 1.70%           | 0.250%        |
| 18        | 12.380      | 1725          | 1732        | 1735         | rBV6     | 6963           | 15750         | 1.67%           | 0.244%        |
| 19        | 12.483      | 1743          | 1749        | 1761         | rVB2     | 477045         | 792770        | 83.97%          | 12.294%       |
| 20        | 12.636      | 1772          | 1774        | 1783         | rVB7     | 7354           | 16725         | 1.77%           | 0.259%        |
| 21        | 12.733      | 1783          | 1790        | 1795         | rBV6     | 10462          | 24305         | 2.57%           | 0.377%        |
| 22        | 12.806      | 1796          | 1802        | 1808         | rVV2     | 104444         | 177197        | 18.77%          | 2.748%        |
| 23        | 12.855      | 1808          | 1810        | 1817         | rVB5     | 9780           | 15311         | 1.62%           | 0.237%        |
| 24        | 12.953      | 1822          | 1826        | 1829         | rBV4     | 8203           | 13334         | 1.41%           | 0.207%        |
| 25        | 13.038      | 1837          | 1840        | 1847         | rVB3     | 18184          | 26229         | 2.78%           | 0.407%        |
| 26        | 13.117      | 1847          | 1853        | 1858         | rVV2     | 28386          | 45464         | 4.82%           | 0.705%        |
| 27        | 13.172      | 1858          | 1862        | 1867         | rVB4     | 9146           | 13425         | 1.42%           | 0.208%        |
| 28        | 13.318      | 1878          | 1886        | 1889         | rBV7     | 17575          | 34189         | 3.62%           | 0.530%        |
| 29        | 13.361      | 1889          | 1893        | 1896         | rVV4     | 14526          | 24643         | 2.61%           | 0.382%        |
| 30        | 13.422      | 1896          | 1903        | 1912         | rVV      | 585005         | 944138        | 100.00%         | 14.641%       |
| 31        | 13.501      | 1913          | 1916        | 1923         | rVB2     | 13830          | 22248         | 2.36%           | 0.345%        |
| 32        | 13.666      | 1940          | 1943        | 1948         | rVB3     | 6689           | 9610          | 1.02%           | 0.149%        |
| 33        | 13.751      | 1950          | 1957        | 1961         | rBV      | 65616          | 98009         | 10.38%          | 1.520%        |
| 34        | 13.965      | 1987          | 1992        | 1999         | rVB4     | 17044          | 32180         | 3.41%           | 0.499%        |
| 35        | 15.312      | 2205          | 2213        | 2219         | rBV      | 23450          | 39724         | 4.21%           | 0.616%        |

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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-4

Integration Parameters: RTEINT.P  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052323S.M  
Title : SW846 8260

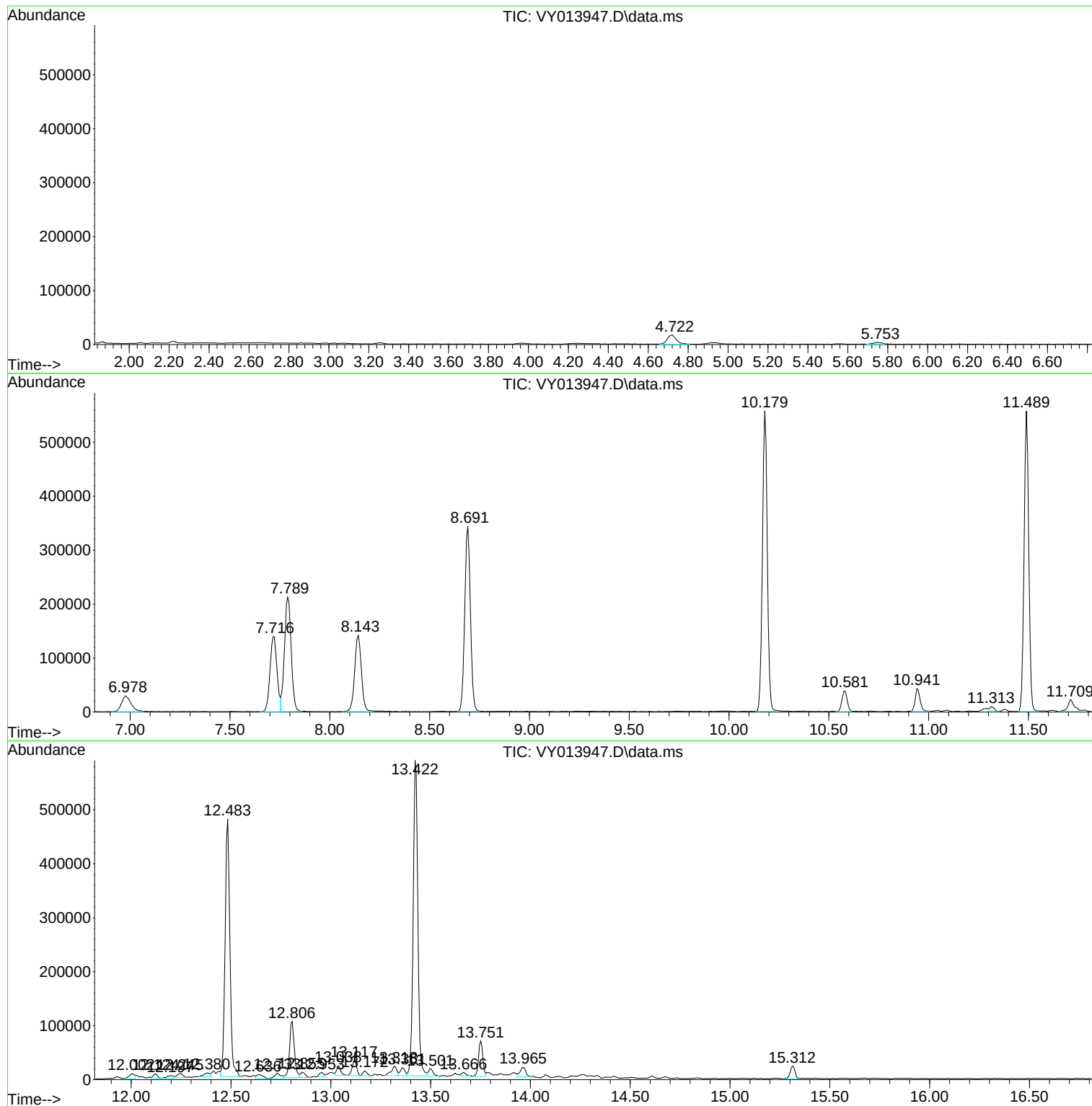
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052323S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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Quant Title : SW846 8260

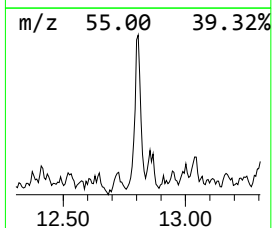
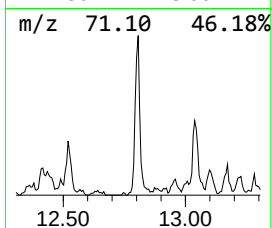
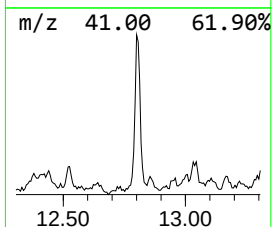
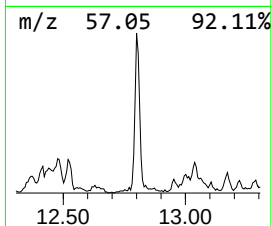
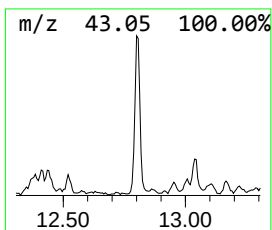
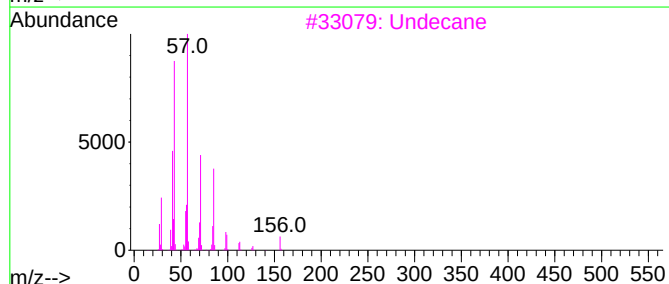
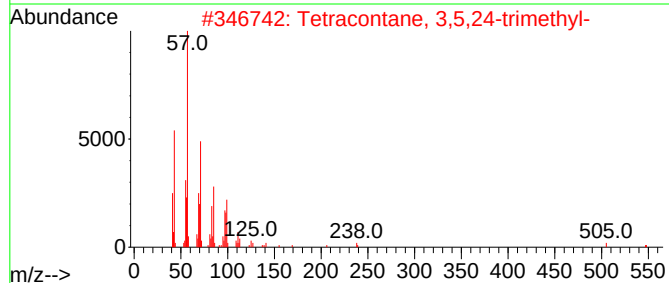
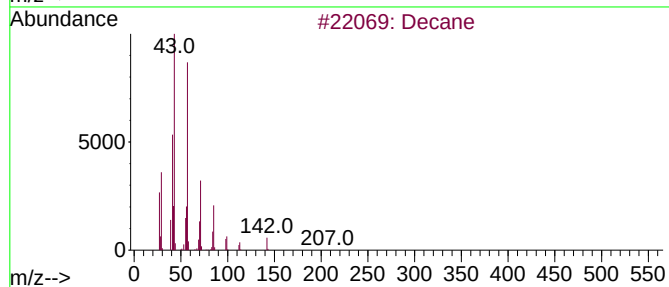
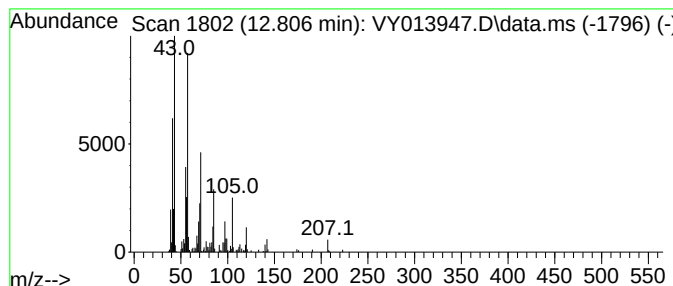
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Decane Concentration Rank 2

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.806 | 9.38 ug/l | 177197 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Decane                              | 142 | C10H22   | 000124-18-5  | 93   |
| 2    |    |   | Tetracontane, 3,5,24-trimethyl-     | 605 | C43H88   | 055162-61-3  | 58   |
| 3    |    |   | Undecane                            | 156 | C11H24   | 001120-21-4  | 53   |
| 4    |    |   | Decane, 2,9-dimethyl-               | 170 | C12H26   | 001002-17-1  | 50   |
| 5    |    |   | Carbonic acid, prop-1-en-2-yl te... | 298 | C18H34O3 | 1000382-90-9 | 50   |



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MSVOA\_Y  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052323S.M  
Quant Title : SW846 8260

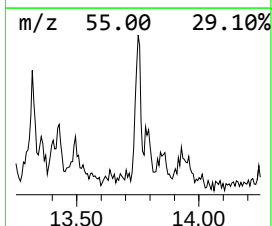
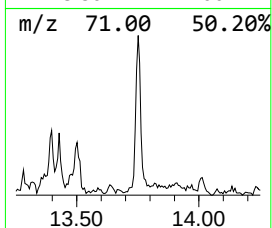
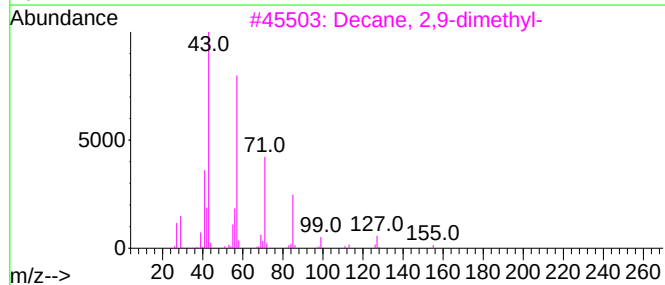
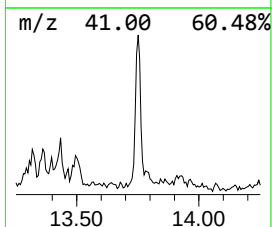
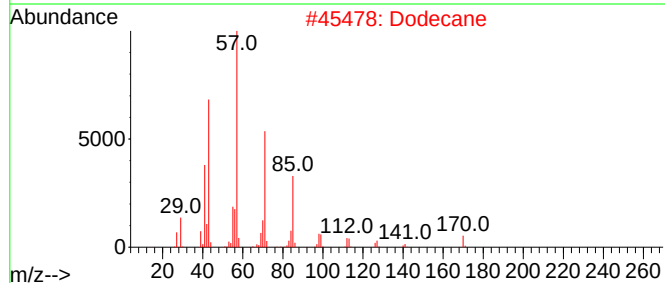
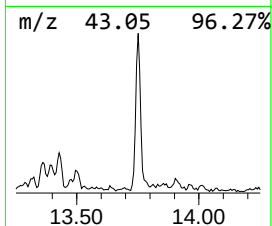
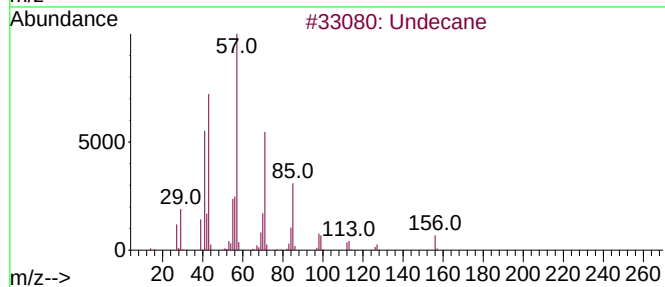
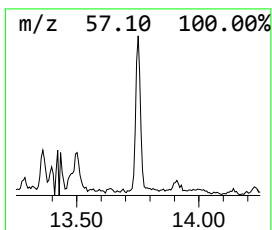
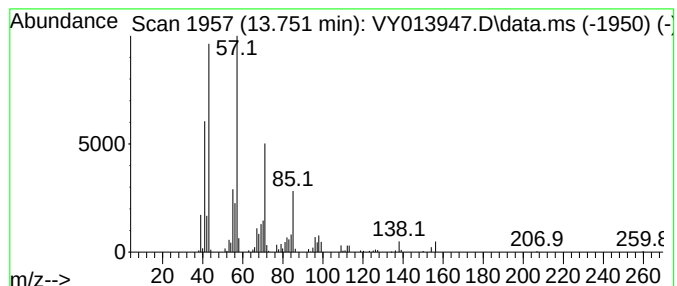
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Undecane Concentration Rank 4

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.751 | 5.19 ug/l | 98009 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of                                | 5 | Tentative ID | MW  | MolForm  | CAS#         | Qual |
|------|-----------------------------------|---|--------------|-----|----------|--------------|------|
| 1    | Undecane                          |   |              | 156 | C11H24   | 001120-21-4  | 95   |
| 2    | Dodecane                          |   |              | 170 | C12H26   | 000112-40-3  | 72   |
| 3    | Decane, 2,9-dimethyl-             |   |              | 170 | C12H26   | 001002-17-1  | 64   |
| 4    | Oxalic acid, allyl tridecyl ester |   |              | 312 | C18H32O4 | 1000309-24-1 | 59   |
| 5    | Hexadecane                        |   |              | 226 | C16H34   | 000544-76-3  | 59   |



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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052323S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                  |        |         |       |          | #                     | RT     | Resp   | Conc |
| Decane           | 12.806 | 9.4     | ug/l  | 177197   | 4                     | 13.428 | 944138 | 50.0 |
| Undecane         | 13.751 | 5.2     | ug/l  | 98009    | 4                     | 13.428 | 944138 | 50.0 |