

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041521\  
 Data File : VY004436.D  
 Acq On : 15 Apr 2021 13:01  
 Operator : SY/MD  
 Sample : M2047-06  
 Misc : 7.85G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 124-SB-1

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\82Y041221S.M

Title : SW846 8260

Signal : TIC: VY004436.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         | 2.077       | 35            | 42          | 61           | rBV      | 2330412        | 4659899       | 1.06%           | 0.075%        |
| 2         | 2.247       | 61            | 70          | 100          | rVV      | 8535651        | 18171580      | 4.12%           | 0.291%        |
| 3         | 2.900       | 167           | 177         | 226          | rBV      | 28739333       | 205804629     | 46.64%          | 3.300%        |
| 4         | 3.247       | 226           | 234         | 236          | rBV3     | 27871407       | 53948421      | 12.23%          | 0.865%        |
| 5         | 3.448       | 263           | 267         | 283          | rVB2     | 1880719        | 6002658       | 1.36%           | 0.096%        |
| 6         | 3.704       | 300           | 309         | 337          | rVB      | 9855100        | 35797452      | 8.11%           | 0.574%        |
| 7         | 3.966       | 337           | 352         | 434          | rVB      | 8581299        | 52166065      | 11.82%          | 0.836%        |
| 8         | 4.607       | 440           | 457         | 462          | rBV4     | 1416740        | 6030805       | 1.37%           | 0.097%        |
| 9         | 4.832       | 463           | 494         | 548          | rVB7     | 34241720       | 436357172     | 98.89%          | 6.997%        |
| 10        | 5.289       | 549           | 569         | 605          | rBV3     | 30494011       | 271938346     | 61.63%          | 4.360%        |
| 11        | 5.588       | 607           | 618         | 635          | rVB      | 5779789        | 28528397      | 6.47%           | 0.457%        |
| 12        | 5.801       | 635           | 653         | 671          | rBV2     | 29295651       | 224877732     | 50.96%          | 3.606%        |
| 13        | 6.131       | 695           | 707         | 721          | rBV      | 16243492       | 79400625      | 17.99%          | 1.273%        |
| 14        | 6.271       | 721           | 730         | 765          | rVB      | 11783189       | 62832360      | 14.24%          | 1.007%        |
| 15        | 6.576       | 765           | 780         | 794          | rBV2     | 18036434       | 105671215     | 23.95%          | 1.694%        |
| 16        | 6.850       | 795           | 825         | 885          | rVB5     | 35428319       | 441241883     | 100.00%         | 7.075%        |
| 17        | 7.387       | 902           | 913         | 922          | rBV3     | 2192686        | 9887967       | 2.24%           | 0.159%        |
| 18        | 7.557       | 923           | 941         | 960          | rVV4     | 22015751       | 131466609     | 29.79%          | 2.108%        |
| 19        | 7.856       | 970           | 990         | 1000         | rBV5     | 37778960       | 316586869     | 71.75%          | 5.076%        |
| 20        | 8.094       | 1014          | 1029        | 1045         | rVB8     | 37927983       | 263269356     | 59.67%          | 4.221%        |
| 21        | 8.368       | 1056          | 1074        | 1076         | rBV5     | 35391429       | 179884109     | 40.77%          | 2.884%        |
| 22        | 8.606       | 1102          | 1113        | 1124         | rVB4     | 34268726       | 170376546     | 38.61%          | 2.732%        |
| 23        | 8.740       | 1124          | 1135        | 1153         | rBV4     | 35832146       | 183720906     | 41.64%          | 2.946%        |
| 24        | 8.892       | 1154          | 1160        | 1166         | rVB      | 6345230        | 15375224      | 3.48%           | 0.247%        |
| 25        | 8.996       | 1167          | 1177        | 1198         | rVB5     | 19960757       | 108115383     | 24.50%          | 1.734%        |
| 26        | 9.222       | 1198          | 1214        | 1218         | rBV5     | 48965213       | 225019182     | 51.00%          | 3.608%        |
| 27        | 9.411       | 1236          | 1245        | 1252         | rBV2     | 24269325       | 74398203      | 16.86%          | 1.193%        |
| 28        | 9.502       | 1252          | 1260        | 1269         | rBV3     | 19020620       | 66136250      | 14.99%          | 1.060%        |
| 29        | 9.654       | 1276          | 1285        | 1294         | rBV6     | 24234442       | 96782597      | 21.93%          | 1.552%        |
| 30        | 9.801       | 1294          | 1309        | 1314         | rBV5     | 18811762       | 96217982      | 21.81%          | 1.543%        |
| 31        | 10.020      | 1334          | 1345        | 1354         | rBV4     | 26645424       | 120117570     | 27.22%          | 1.926%        |
| 32        | 10.228      | 1372          | 1379        | 1391         | rVB4     | 33375329       | 144618727     | 32.78%          | 2.319%        |
| 33        | 10.410      | 1391          | 1409        | 1417         | rBV5     | 36503141       | 197981657     | 44.87%          | 3.174%        |
| 34        | 10.648      | 1441          | 1448        | 1457         | rBV6     | 32092661       | 102993740     | 23.34%          | 1.651%        |
| 35        | 10.740      | 1459          | 1463        | 1471         | rVB3     | 14070546       | 36239852      | 8.21%           | 0.581%        |
| 36        | 10.849      | 1472          | 1481        | 1488         | rBV4     | 17422020       | 68506785      | 15.53%          | 1.098%        |

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 Sample : M2047-06  
 Misc : 7.85G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 124-SB-1

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\82Y041221S.M  
 Title : SW846 8260

|    |        |      |      |      |      |          |           |        |        |
|----|--------|------|------|------|------|----------|-----------|--------|--------|
| 37 | 10.947 | 1491 | 1497 | 1504 | rBV  | 13552914 | 37920178  | 8.59%  | 0.608% |
| 38 | 11.130 | 1523 | 1527 | 1533 | rVB  | 15926342 | 33841602  | 7.67%  | 0.543% |
| 39 | 11.331 | 1551 | 1560 | 1568 | rVB9 | 34861280 | 133939082 | 30.36% | 2.148% |
| 40 | 11.429 | 1568 | 1576 | 1586 | rVB2 | 31504900 | 102021389 | 23.12% | 1.636% |
| 41 | 11.538 | 1588 | 1594 | 1598 | rBV4 | 8699327  | 19639318  | 4.45%  | 0.315% |
| 42 | 11.611 | 1599 | 1606 | 1608 | rBV4 | 35769408 | 82155835  | 18.62% | 1.317% |
| 43 | 11.727 | 1618 | 1625 | 1626 | rBV3 | 32490986 | 62904930  | 14.26% | 1.009% |
| 44 | 11.861 | 1644 | 1647 | 1651 | rBV4 | 2907501  | 5192497   | 1.18%  | 0.083% |
| 45 | 11.959 | 1652 | 1663 | 1668 | rBV5 | 9416646  | 29075735  | 6.59%  | 0.466% |
| 46 | 12.038 | 1668 | 1676 | 1686 | rBV5 | 31442874 | 112990939 | 25.61% | 1.812% |
| 47 | 12.148 | 1690 | 1694 | 1698 | rVB  | 16027085 | 29088909  | 6.59%  | 0.466% |
| 48 | 12.221 | 1698 | 1706 | 1710 | rBV3 | 20993879 | 54884638  | 12.44% | 0.880% |
| 49 | 12.349 | 1722 | 1727 | 1732 | rBV  | 22109198 | 44585285  | 10.10% | 0.715% |
| 50 | 12.538 | 1754 | 1758 | 1762 | rVV  | 12765488 | 19270953  | 4.37%  | 0.309% |
| 51 | 12.581 | 1762 | 1765 | 1771 | rVB4 | 7260842  | 13133874  | 2.98%  | 0.211% |
| 52 | 12.684 | 1773 | 1782 | 1788 | rBV2 | 36582068 | 95363856  | 21.61% | 1.529% |
| 53 | 12.782 | 1788 | 1798 | 1801 | rVV  | 36579871 | 93407718  | 21.17% | 1.498% |
| 54 | 12.819 | 1801 | 1804 | 1810 | rVV3 | 37678537 | 70147962  | 15.90% | 1.125% |
| 55 | 12.873 | 1810 | 1813 | 1818 | rVB4 | 5558330  | 8754020   | 1.98%  | 0.140% |
| 56 | 12.983 | 1823 | 1831 | 1838 | rBV2 | 40706831 | 97344267  | 22.06% | 1.561% |
| 57 | 13.050 | 1838 | 1842 | 1848 | rVB2 | 8150453  | 12896460  | 2.92%  | 0.207% |
| 58 | 13.136 | 1849 | 1856 | 1861 | rBV2 | 44508463 | 97343809  | 22.06% | 1.561% |
| 59 | 13.257 | 1868 | 1876 | 1880 | rBV5 | 6810554  | 18160570  | 4.12%  | 0.291% |
| 60 | 13.325 | 1882 | 1887 | 1891 | rVV2 | 8105405  | 13736692  | 3.11%  | 0.220% |
| 61 | 13.367 | 1891 | 1894 | 1898 | rVV2 | 5812504  | 9472786   | 2.15%  | 0.152% |
| 62 | 13.465 | 1902 | 1910 | 1915 | rVV  | 27428517 | 48921510  | 11.09% | 0.784% |
| 63 | 13.507 | 1915 | 1917 | 1924 | rVB2 | 3974414  | 5287978   | 1.20%  | 0.085% |
| 64 | 13.599 | 1926 | 1932 | 1934 | rBV  | 10178153 | 16948723  | 3.84%  | 0.272% |
| 65 | 13.629 | 1934 | 1937 | 1941 | rVV2 | 27435744 | 45551514  | 10.32% | 0.730% |
| 66 | 13.672 | 1941 | 1944 | 1953 | rVB3 | 13819626 | 31106733  | 7.05%  | 0.499% |
| 67 | 13.757 | 1953 | 1958 | 1962 | rBV2 | 10465279 | 15510582  | 3.52%  | 0.249% |
| 68 | 13.824 | 1962 | 1969 | 1975 | rBV  | 7161658  | 11084596  | 2.51%  | 0.178% |
| 69 | 13.885 | 1975 | 1979 | 1982 | rBV  | 6411077  | 9890702   | 2.24%  | 0.159% |
| 70 | 13.916 | 1982 | 1984 | 1989 | rVB  | 5993646  | 7634034   | 1.73%  | 0.122% |
| 71 | 13.977 | 1989 | 1994 | 1999 | rVB  | 17150028 | 25413238  | 5.76%  | 0.407% |
| 72 | 14.080 | 2007 | 2011 | 2017 | rVB2 | 13287215 | 21237863  | 4.81%  | 0.341% |
| 73 | 14.215 | 2027 | 2033 | 2037 | rBV3 | 3195965  | 5784616   | 1.31%  | 0.093% |
| 74 | 14.294 | 2038 | 2046 | 2050 | rVV2 | 6384882  | 12049347  | 2.73%  | 0.193% |
| 75 | 14.337 | 2050 | 2053 | 2057 | rVB  | 4720364  | 6329441   | 1.43%  | 0.101% |
| 76 | 14.568 | 2087 | 2091 | 2095 | rVV2 | 5168526  | 8779414   | 1.99%  | 0.141% |

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Sample : M2047-06  
Misc : 7.85G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
124-SB-1

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\82Y041221S.M  
Title : SW846 8260

|    |        |      |      |      |      |         |          |       |        |
|----|--------|------|------|------|------|---------|----------|-------|--------|
| 77 | 14.611 | 2095 | 2098 | 2103 | rVB2 | 3259430 | 4495006  | 1.02% | 0.072% |
| 78 | 14.684 | 2103 | 2110 | 2115 | rBV3 | 7402965 | 16556823 | 3.75% | 0.265% |
| 79 | 15.239 | 2190 | 2201 | 2206 | rVB  | 2887492 | 5659355  | 1.28% | 0.091% |

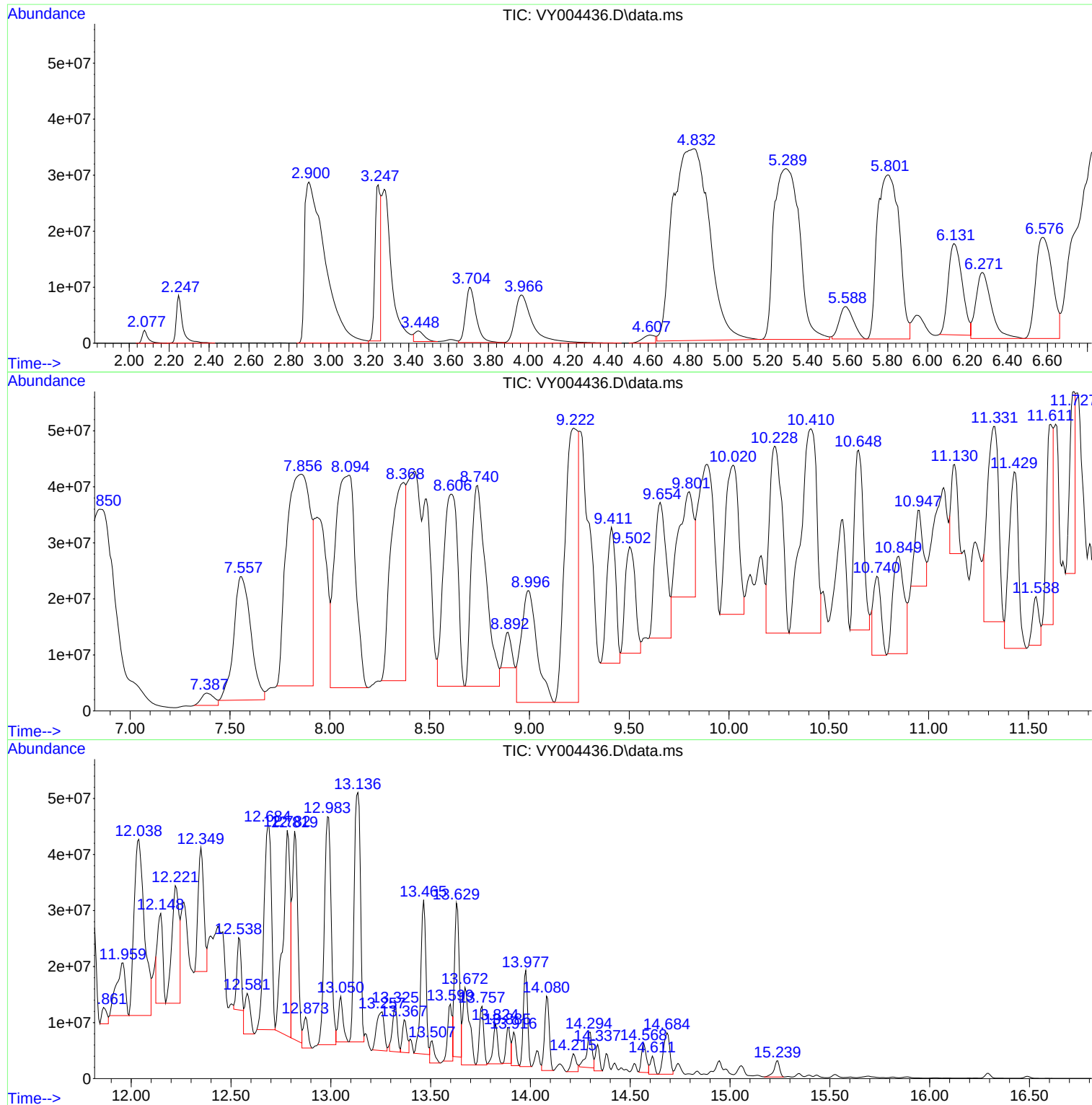
Sum of corrected areas: 6236639532

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041521\  
Data File : VY004436.D  
Acq On : 15 Apr 2021 13:01  
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Sample : M2047-06  
Misc : 7.85G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
124-SB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041521\  
Data File : VY004436.D  
Acq On : 15 Apr 2021 13:01  
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Sample : M2047-06  
Misc : 7.85G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
124-SB-1

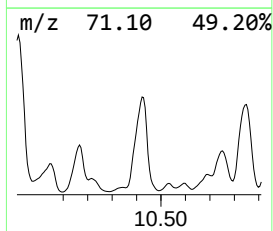
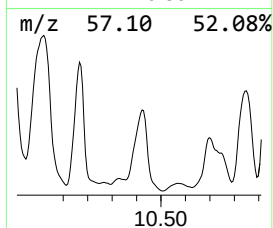
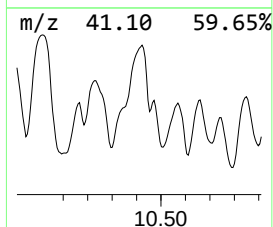
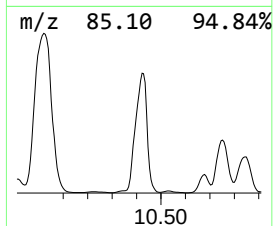
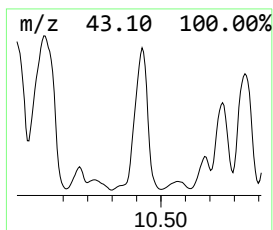
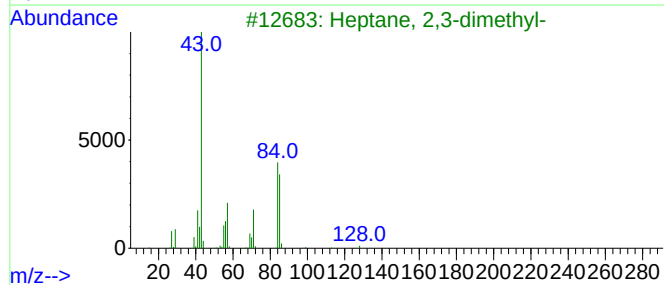
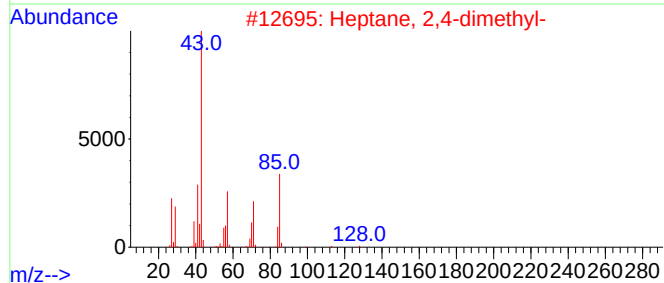
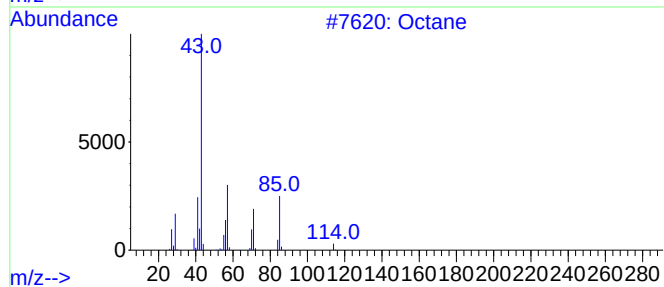
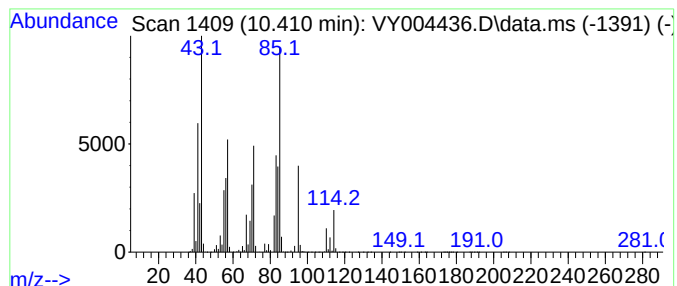
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown10.410 Concentration Rank 1

| R.T.   | EstConc     | Area      | Relative to ISTD | R.T.   |
|--------|-------------|-----------|------------------|--------|
| 10.410 | 504.04 ug/l | 197982000 | Chlorobenzene-d5 | 11.508 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|----------|--------------|------|
| 1    |    |   | Octane                            | 114 | C8H18    | 000111-65-9  | 47   |
| 2    |    |   | Heptane, 2,4-dimethyl-            | 128 | C9H20    | 002213-23-2  | 43   |
| 3    |    |   | Heptane, 2,3-dimethyl-            | 128 | C9H20    | 003074-71-3  | 38   |
| 4    |    |   | Oxalic acid, isobutyl nonyl ester | 272 | C15H28O4 | 1000309-37-4 | 35   |
| 5    |    |   | Hexane, 2,3,3-trimethyl-          | 128 | C9H20    | 016747-28-7  | 35   |



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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
124-SB-1

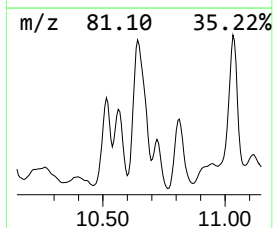
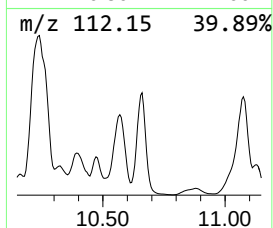
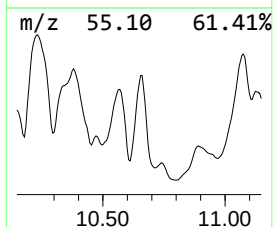
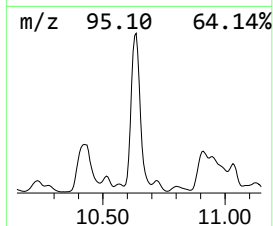
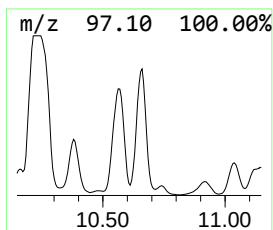
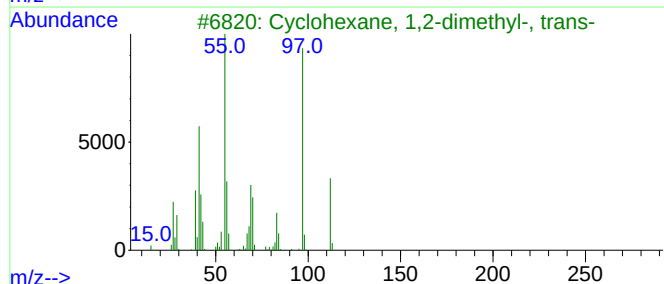
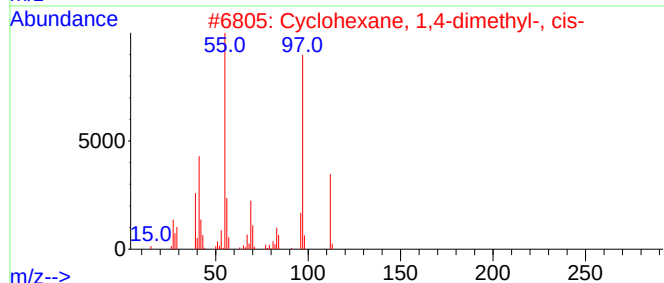
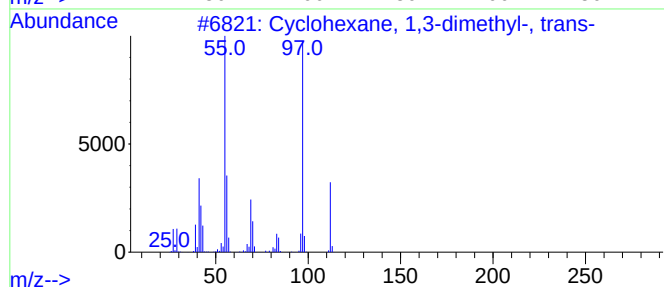
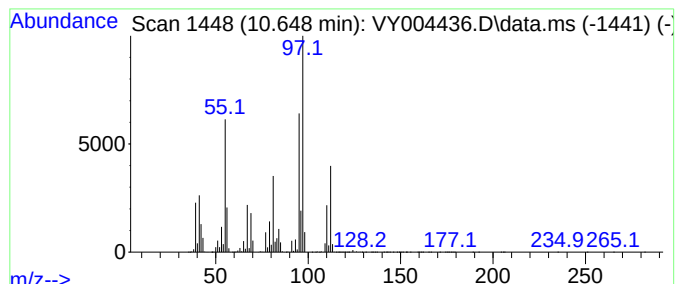
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 3

| R.T.   | EstConc     | Area      | Relative to ISTD | R.T.   |
|--------|-------------|-----------|------------------|--------|
| 10.648 | 262.21 ug/l | 102994000 | Chlorobenzene-d5 | 11.508 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1,3-dimethyl-, trans-   | 112 | C8H16   | 002207-03-6 | 58   |
| 2    |    |   | Cyclohexane, 1,4-dimethyl-, cis-     | 112 | C8H16   | 000624-29-3 | 58   |
| 3    |    |   | Cyclohexane, 1,2-dimethyl-, trans-   | 112 | C8H16   | 006876-23-9 | 52   |
| 4    |    |   | Cyclohexane, 1,4-dimethyl-, trans-   | 112 | C8H16   | 002207-04-7 | 52   |
| 5    |    |   | Cyclohexane, 1,2-dimethyl-, (cis/... | 112 | C8H16   | 000583-57-3 | 52   |



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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
124-SB-1

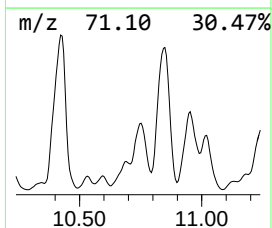
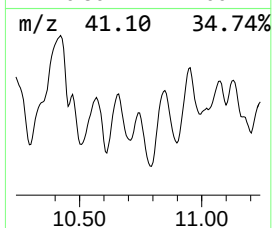
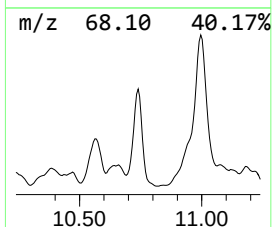
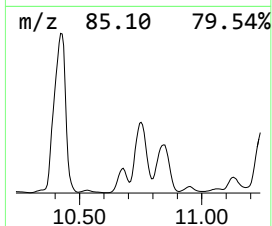
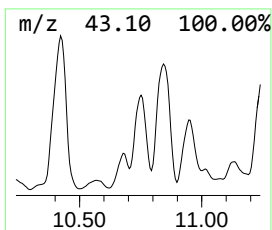
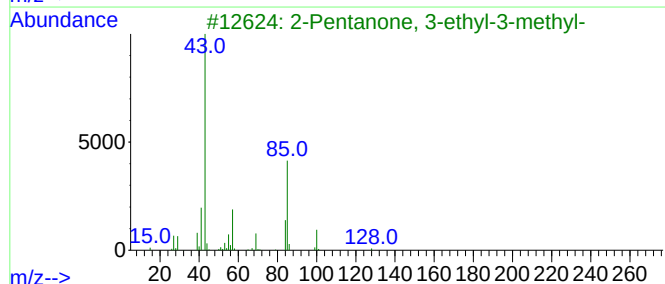
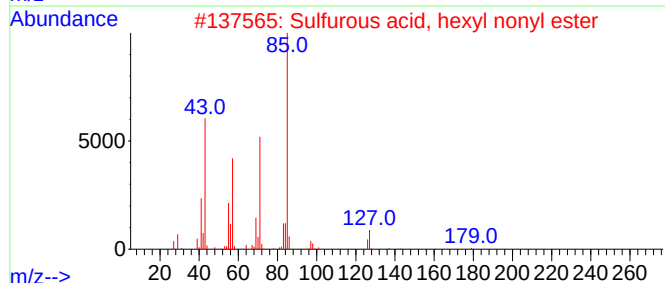
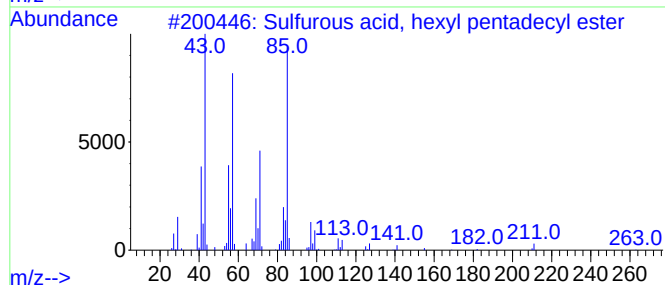
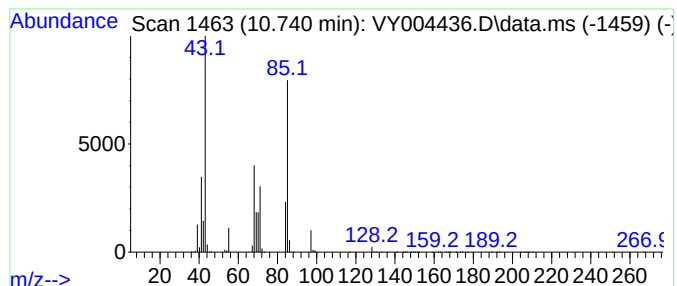
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Sulfurous acid, hexyl penta... Concentration Rank 9

| R.T.   | EstConc    | Area     | Relative to ISTD | R.T.   |
|--------|------------|----------|------------------|--------|
| 10.740 | 92.26 ug/l | 36239900 | Chlorobenzene-d5 | 11.508 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Sulfurous acid, hexyl pentadecyl... | 376 | C21H44O3S | 1000309-13-7 | 50   |
| 2    |    |   | Sulfurous acid, hexyl nonyl ester   | 292 | C15H32O3S | 1000309-13-1 | 50   |
| 3    |    |   | 2-Pentanone, 3-ethyl-3-methyl-      | 128 | C8H16O    | 019780-65-5  | 47   |
| 4    |    |   | Hexane, 1,1'-oxybis-                | 186 | C12H26O   | 000112-58-3  | 47   |
| 5    |    |   | Oxalic acid, diisohexyl ester       | 258 | C14H26O4  | 1000309-32-9 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041521\  
Data File : VY004436.D  
Acq On : 15 Apr 2021 13:01  
Operator : SY/MD  
Sample : M2047-06  
Misc : 7.85G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
124-SB-1

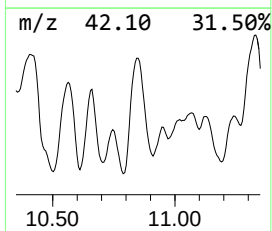
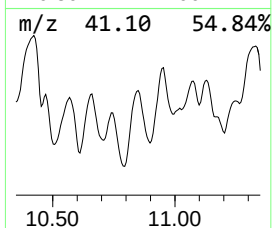
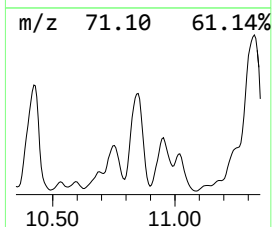
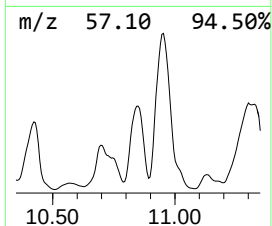
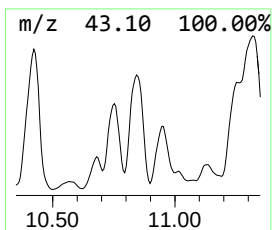
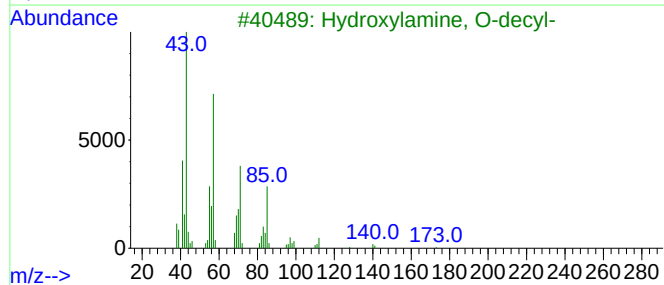
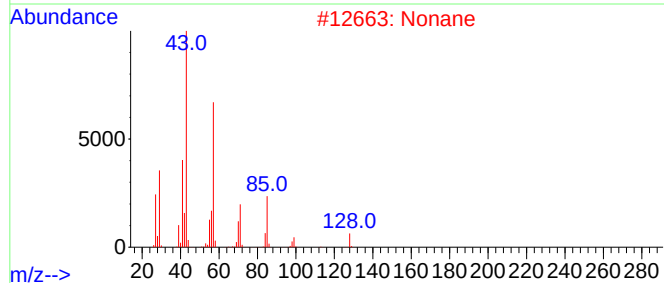
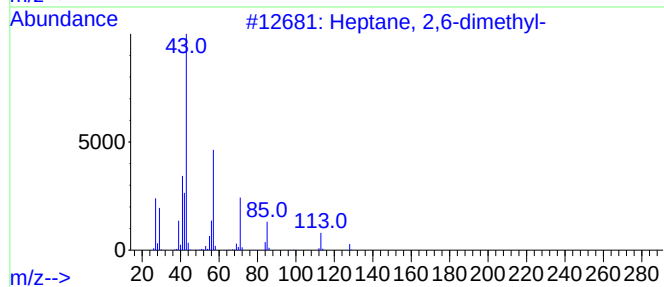
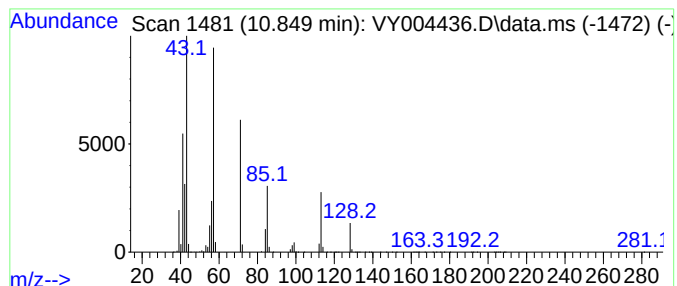
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Heptane, 2,6-dimethyl- Concentration Rank 5

| R.T.   | EstConc     | Area     | Relative to ISTD | R.T.   |
|--------|-------------|----------|------------------|--------|
| 10.849 | 174.41 ug/l | 68506800 | Chlorobenzene-d5 | 11.508 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------|-----|----------|-------------|------|
| 1    |    |   | Heptane, 2,6-dimethyl-        | 128 | C9H20    | 001072-05-5 | 91   |
| 2    |    |   | Nonane                        | 128 | C9H20    | 000111-84-2 | 58   |
| 3    |    |   | Hydroxylamine, O-decyl-       | 173 | C10H23NO | 029812-79-1 | 53   |
| 4    |    |   | Undecane, 2-methyl-           | 170 | C12H26   | 007045-71-8 | 50   |
| 5    |    |   | Octane, 3-ethyl-2,7-dimethyl- | 170 | C12H26   | 062183-55-5 | 47   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041521\  
Data File : VY004436.D  
Acq On : 15 Apr 2021 13:01  
Operator : SY/MD  
Sample : M2047-06  
Misc : 7.85G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
124-SB-1

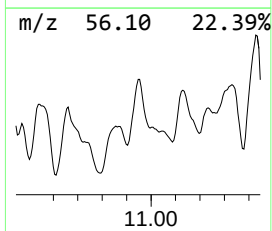
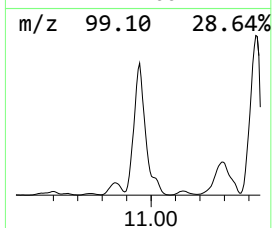
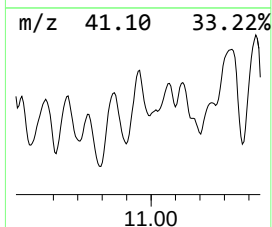
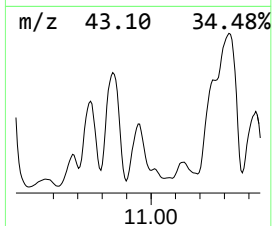
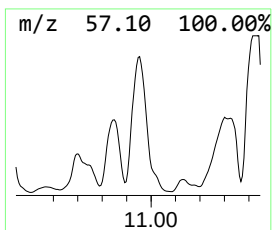
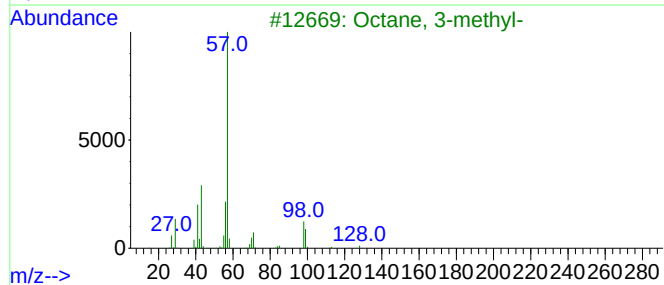
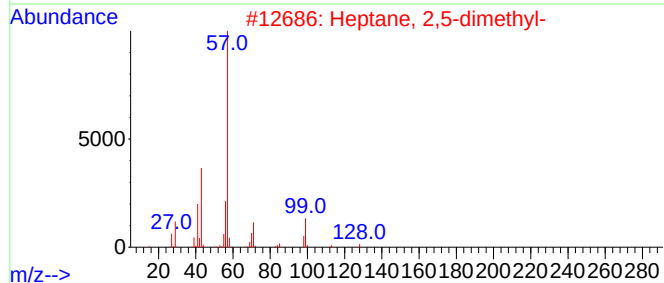
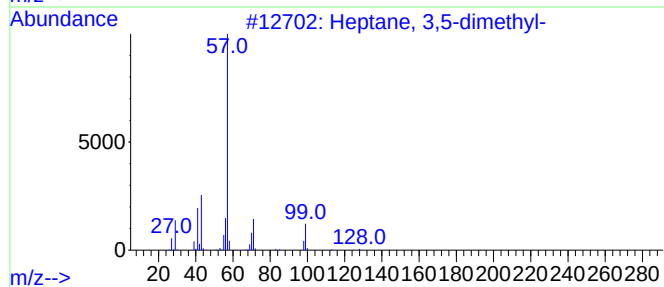
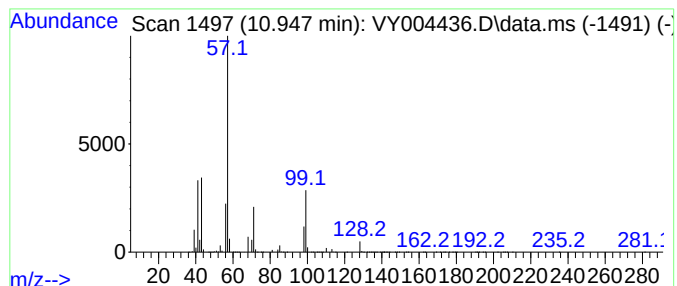
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Heptane, 3,5-dimethyl- Concentration Rank 8

| R.T.   | EstConc    | Area     | Relative to ISTD | R.T.   |
|--------|------------|----------|------------------|--------|
| 10.947 | 96.54 ug/l | 37920200 | Chlorobenzene-d5 | 11.508 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptane, 3,5-dimethyl-   | 128 | C9H20   | 000926-82-9 | 86   |
| 2    |    |   | Heptane, 2,5-dimethyl-   | 128 | C9H20   | 002216-30-0 | 86   |
| 3    |    |   | Octane, 3-methyl-        | 128 | C9H20   | 002216-33-3 | 47   |
| 4    |    |   | Pentane, 3,3-diethyl-    | 128 | C9H20   | 001067-20-5 | 43   |
| 5    |    |   | 1-Hexanol, 2,2-dimethyl- | 130 | C8H18O  | 002370-13-0 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041521\  
Data File : VY004436.D  
Acq On : 15 Apr 2021 13:01  
Operator : SY/MD  
Sample : M2047-06  
Misc : 7.85G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
124-SB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260

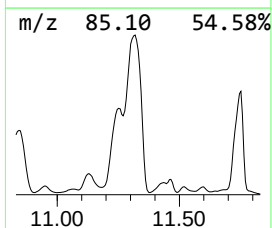
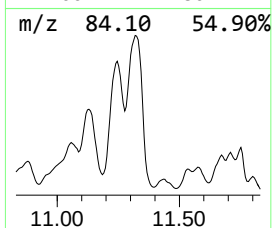
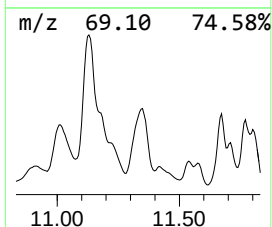
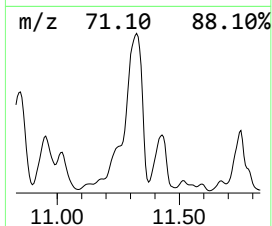
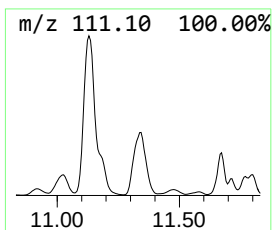
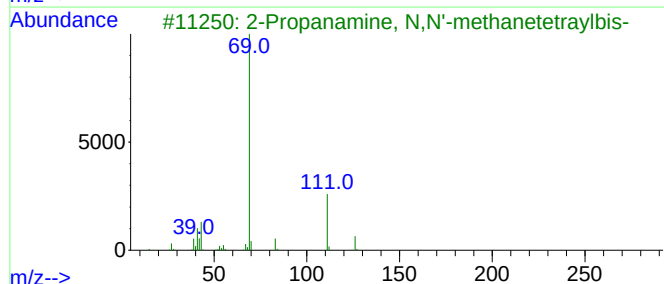
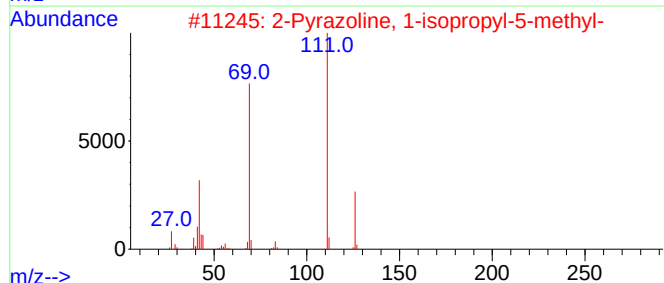
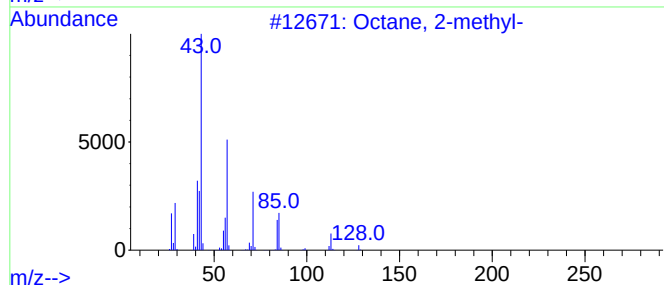
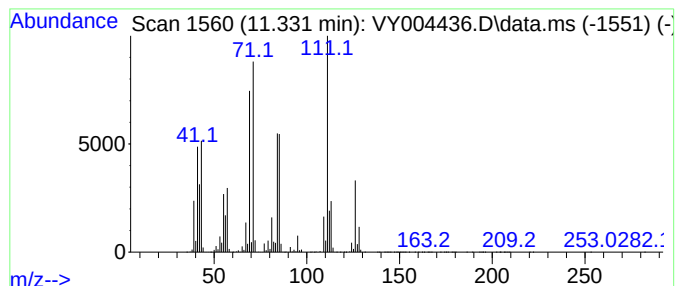
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown11.331 Concentration Rank 2

| R.T.   | EstConc     | Area      | Relative to ISTD | R.T.   |
|--------|-------------|-----------|------------------|--------|
| 11.331 | 341.00 ug/l | 133939000 | Chlorobenzene-d5 | 11.508 |

| Hit# | of                                   | 5 | Tentative ID | MW      | MolForm | CAS#        | Qual |
|------|--------------------------------------|---|--------------|---------|---------|-------------|------|
| 1    | Octane, 2-methyl-                    |   | 128          | C9H20   |         | 003221-61-2 | 43   |
| 2    | 2-Pyrazoline, 1-isopropyl-5-methyl-  |   | 126          | C7H14N2 |         | 026964-54-5 | 38   |
| 3    | 2-Propanamine, N,N'-methanetetra...  |   | 126          | C7H14N2 |         | 000693-13-0 | 35   |
| 4    | Cyclohexane, 1,2,4-trimethyl-, (...) |   | 126          | C9H18   |         | 007667-60-9 | 35   |
| 5    | Heptane, 2,6-dimethyl-               |   | 128          | C9H20   |         | 001072-05-5 | 30   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041521\  
Data File : VY004436.D  
Acq On : 15 Apr 2021 13:01  
Operator : SY/MD  
Sample : M2047-06  
Misc : 7.85G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
124-SB-1

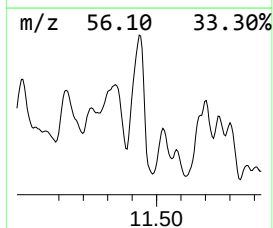
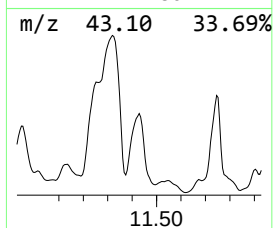
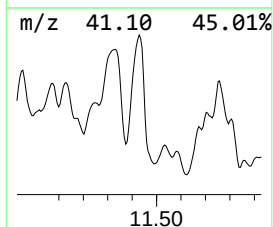
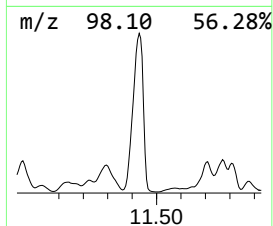
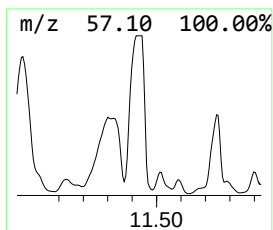
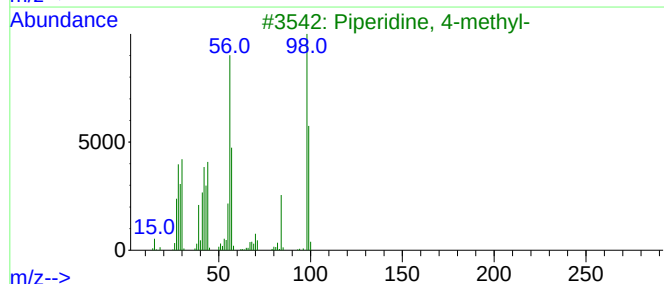
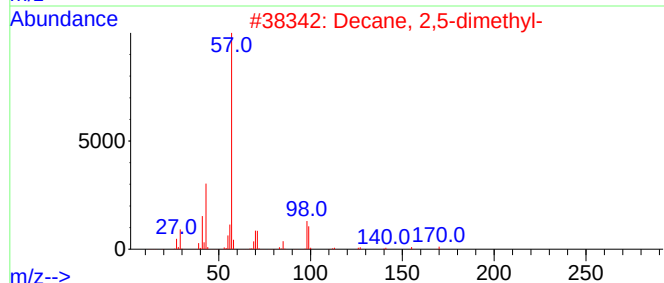
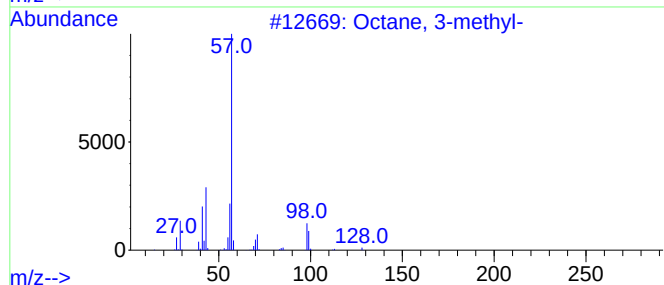
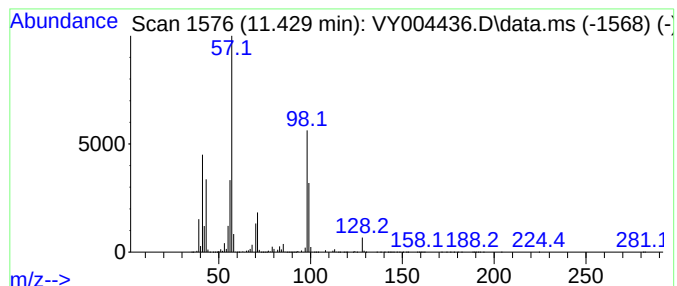
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Octane, 3-methyl- Concentration Rank 4

| R.T.   | EstConc     | Area      | Relative to ISTD | R.T.   |
|--------|-------------|-----------|------------------|--------|
| 11.429 | 259.74 ug/l | 102021000 | Chlorobenzene-d5 | 11.508 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Octane, 3-methyl-          | 128 | C9H20   | 002216-33-3 | 72   |
| 2    |    |   | Decane, 2,5-dimethyl-      | 170 | C12H26  | 017312-50-4 | 59   |
| 3    |    |   | Piperidine, 4-methyl-      | 99  | C6H13N  | 000626-58-4 | 59   |
| 4    |    |   | Octane, 2,3-dimethyl-      | 142 | C10H22  | 007146-60-3 | 59   |
| 5    |    |   | Heptane, 3-ethyl-2-methyl- | 142 | C10H22  | 014676-29-0 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041521\  
Data File : VY004436.D  
Acq On : 15 Apr 2021 13:01  
Operator : SY/MD  
Sample : M2047-06  
Misc : 7.85G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
124-SB-1

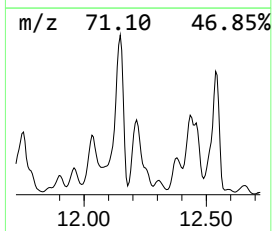
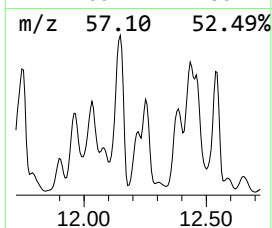
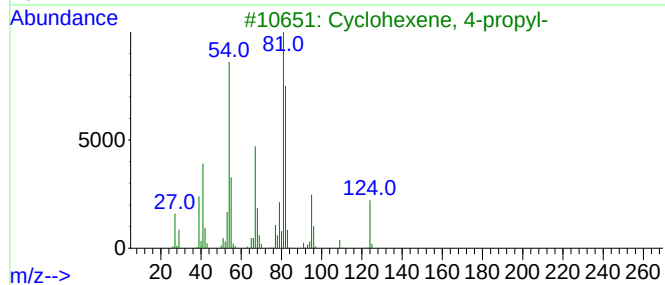
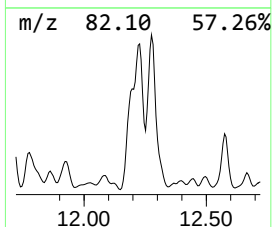
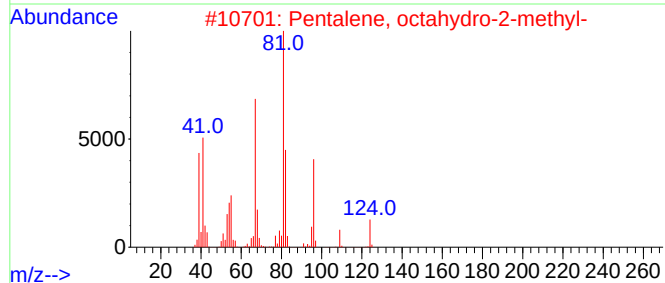
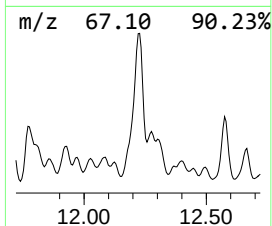
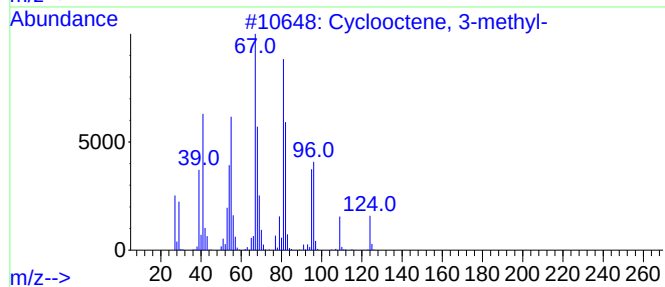
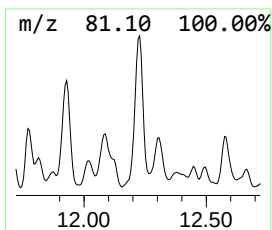
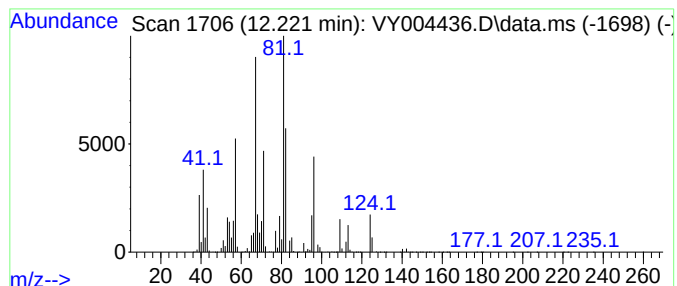
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Cyclooctene, 3-methyl- Concentration Rank 6

| R.T.   | EstConc     | Area     | Relative to ISTD | R.T.   |
|--------|-------------|----------|------------------|--------|
| 12.221 | 139.73 ug/l | 54884600 | Chlorobenzene-d5 | 11.508 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclooctene, 3-methyl-         | 124 | C9H16   | 013152-05-1 | 81   |
| 2    |    |   | Pentalene, octahydro-2-methyl- | 124 | C9H16   | 003868-64-2 | 74   |
| 3    |    |   | Cyclohexene, 4-propyl-         | 124 | C9H16   | 013487-64-4 | 50   |
| 4    |    |   | 1H-Indene, octahydro-, trans-  | 124 | C9H16   | 003296-50-2 | 49   |
| 5    |    |   | 1-Methylcyclooctene            | 124 | C9H16   | 000933-11-9 | 45   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041521\  
Data File : VY004436.D  
Acq On : 15 Apr 2021 13:01  
Operator : SY/MD  
Sample : M2047-06  
Misc : 7.85G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
124-SB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260

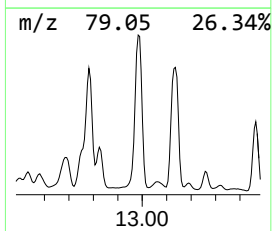
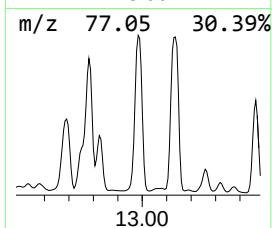
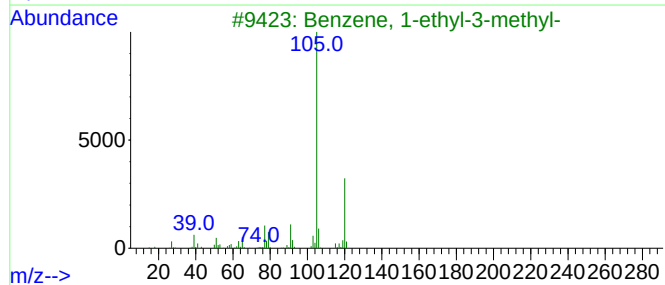
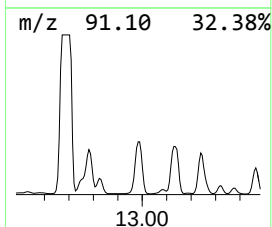
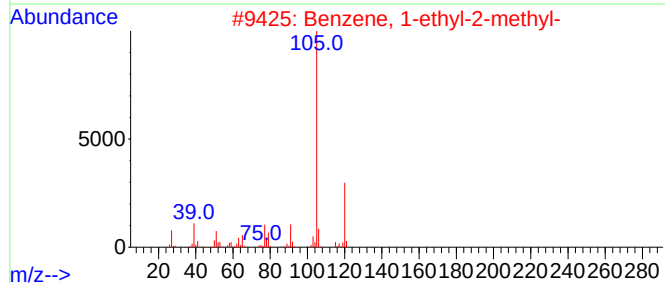
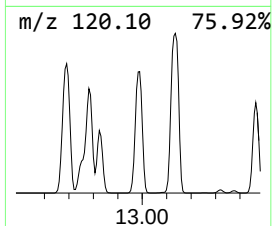
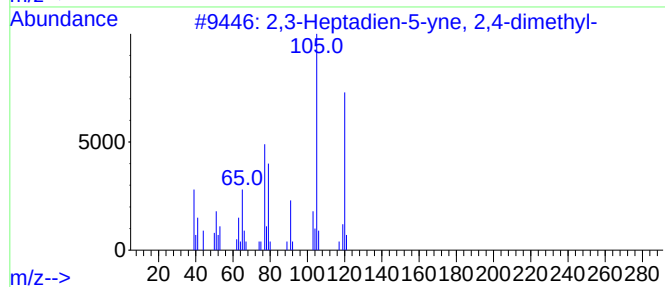
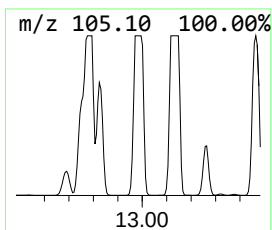
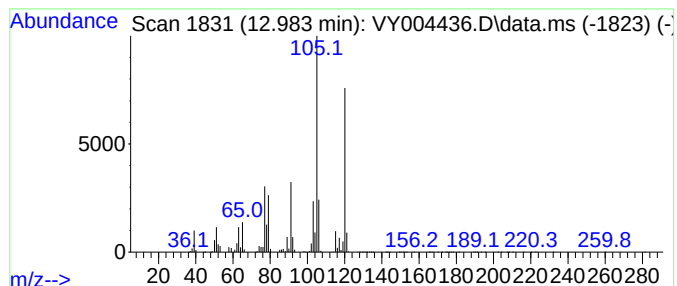
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 2,3-Heptadien-5-yne, 2,4-di... Concentration Rank 7

| R.T.   | EstConc    | Area     | Relative to ISTD       | R.T.   |
|--------|------------|----------|------------------------|--------|
| 12.983 | 99.49 ug/l | 97344300 | 1,4-Dichlorobenzene-d4 | 13.434 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | 2,3-Heptadien-5-yne, 2,4-dimethyl-  | 120 | C9H12   | 041898-89-9 | 90   |
| 2    |      | Benzene, 1-ethyl-2-methyl-          | 120 | C9H12   | 000611-14-3 | 81   |
| 3    |      | Benzene, 1-ethyl-3-methyl-          | 120 | C9H12   | 000620-14-4 | 81   |
| 4    |      | 1,3-Cyclopentadiene, 5-(1-methyl... | 120 | C9H12   | 003141-02-4 | 80   |
| 5    |      | Benzene, (1-methylethyl)-           | 120 | C9H12   | 000098-82-8 | 80   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041521\  
Data File : VY004436.D  
Acq On : 15 Apr 2021 13:01  
Operator : SY/MD  
Sample : M2047-06  
Misc : 7.85G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
124-SB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response  | --Internal Standard-- |        |          |      |
|--------------------|--------|---------|-------|-----------|-----------------------|--------|----------|------|
|                    |        |         |       |           | #                     | RT     | Resp     | Conc |
| unknown10.410      | 10.410 | 504.0   | ug/l  | 197982000 | 3                     | 11.508 | 19639300 | 50.0 |
| Cyclohexane, 1,... | 10.648 | 262.2   | ug/l  | 102994000 | 3                     | 11.508 | 19639300 | 50.0 |
| Sulfurous acid,... | 10.740 | 92.3    | ug/l  | 36239900  | 3                     | 11.508 | 19639300 | 50.0 |
| Heptane, 2,6-di... | 10.849 | 174.4   | ug/l  | 68506800  | 3                     | 11.508 | 19639300 | 50.0 |
| Heptane, 3,5-di... | 10.947 | 96.5    | ug/l  | 37920200  | 3                     | 11.508 | 19639300 | 50.0 |
| unknown11.331      | 11.331 | 341.0   | ug/l  | 133939000 | 3                     | 11.508 | 19639300 | 50.0 |
| Octane, 3-methyl-  | 11.429 | 259.7   | ug/l  | 102021000 | 3                     | 11.508 | 19639300 | 50.0 |
| Cyclooctene, 3-... | 12.221 | 139.7   | ug/l  | 54884600  | 3                     | 11.508 | 19639300 | 50.0 |
| 2,3-Heptadien-5... | 12.983 | 99.5    | ug/l  | 97344300  | 4                     | 13.434 | 48921500 | 50.0 |