

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN063022\  
 Data File : VN073270.D  
 Acq On : 30 Jun 2022 17:01  
 Operator : JC\MD  
 Sample : N3476-01  
 Misc : 4.99g/10mL/100uL/5.0mL/MeOH  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 31535-SLUDGE

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\_N\methods\82N062822W.M  
 Title : SW846 8260

Signal : TIC: VN073270.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         | 2.181       | 45            | 50          | 60           | rVB3     | 14365          | 31901         | 1.98%           | 0.203%        |
| 2         | 4.987       | 519           | 527         | 539          | rVB6     | 11558          | 38696         | 2.40%           | 0.247%        |
| 3         | 5.210       | 553           | 565         | 570          | rBV      | 8049           | 24378         | 1.51%           | 0.155%        |
| 4         | 5.475       | 598           | 610         | 622          | rVB4     | 6394           | 19710         | 1.22%           | 0.126%        |
| 5         | 6.934       | 849           | 858         | 865          | rBV4     | 7232           | 20279         | 1.26%           | 0.129%        |
| 6         | 7.281       | 909           | 917         | 928          | rVB2     | 9031           | 26368         | 1.63%           | 0.168%        |
| 7         | 7.945       | 1019          | 1030        | 1034         | rBV2     | 201673         | 488841        | 30.28%          | 3.118%        |
| 8         | 8.004       | 1034          | 1040        | 1049         | rVB      | 371357         | 905566        | 56.09%          | 5.775%        |
| 9         | 8.210       | 1067          | 1075        | 1086         | rBV2     | 44470          | 101699        | 6.30%           | 0.649%        |
| 10        | 8.363       | 1091          | 1101        | 1112         | rBV      | 204179         | 473306        | 29.31%          | 3.019%        |
| 11        | 8.533       | 1124          | 1130        | 1133         | rBV2     | 14763          | 28185         | 1.75%           | 0.180%        |
| 12        | 8.745       | 1157          | 1166        | 1175         | rBV2     | 34860          | 78396         | 4.86%           | 0.500%        |
| 13        | 8.898       | 1183          | 1192        | 1206         | rBV      | 520653         | 1113546       | 68.97%          | 7.102%        |
| 14        | 9.192       | 1236          | 1242        | 1250         | rVB5     | 11898          | 27566         | 1.71%           | 0.176%        |
| 15        | 9.386       | 1262          | 1275        | 1280         | rBV4     | 57884          | 150057        | 9.29%           | 0.957%        |
| 16        | 9.433       | 1280          | 1283        | 1291         | rVB      | 25961          | 49695         | 3.08%           | 0.317%        |
| 17        | 9.657       | 1312          | 1321        | 1328         | rBV6     | 22637          | 56097         | 3.47%           | 0.358%        |
| 18        | 9.804       | 1337          | 1346        | 1351         | rBV5     | 23107          | 60977         | 3.78%           | 0.389%        |
| 19        | 9.951       | 1365          | 1371        | 1375         | rBV2     | 25726          | 45424         | 2.81%           | 0.290%        |
| 20        | 10.010      | 1375          | 1381        | 1385         | rBV      | 91737          | 166221        | 10.29%          | 1.060%        |
| 21        | 10.151      | 1396          | 1405        | 1417         | rBV      | 85876          | 208155        | 12.89%          | 1.328%        |
| 22        | 10.298      | 1424          | 1430        | 1435         | rBV4     | 15421          | 32031         | 1.98%           | 0.204%        |
| 23        | 10.375      | 1435          | 1443        | 1454         | rBV      | 777380         | 1484699       | 91.95%          | 9.469%        |
| 24        | 10.498      | 1460          | 1464        | 1467         | rBV4     | 10646          | 16730         | 1.04%           | 0.107%        |
| 25        | 10.557      | 1467          | 1474        | 1480         | rVB4     | 81486          | 163800        | 10.14%          | 1.045%        |
| 26        | 10.716      | 1496          | 1501        | 1503         | rBV3     | 14540          | 22234         | 1.38%           | 0.142%        |
| 27        | 10.804      | 1510          | 1516        | 1522         | rBV7     | 26899          | 67126         | 4.16%           | 0.428%        |
| 28        | 10.898      | 1528          | 1532        | 1538         | rVB2     | 24793          | 42645         | 2.64%           | 0.272%        |
| 29        | 10.992      | 1542          | 1548        | 1552         | rVV3     | 33888          | 59102         | 3.66%           | 0.377%        |
| 30        | 11.086      | 1560          | 1564        | 1573         | rVB      | 46938          | 89724         | 5.56%           | 0.572%        |
| 31        | 11.280      | 1592          | 1597        | 1602         | rBV3     | 22735          | 39011         | 2.42%           | 0.249%        |
| 32        | 11.392      | 1611          | 1616        | 1619         | rBV      | 29649          | 45025         | 2.79%           | 0.287%        |
| 33        | 11.463      | 1620          | 1628        | 1640         | rVV3     | 133438         | 354501        | 21.96%          | 2.261%        |
| 34        | 11.563      | 1640          | 1645        | 1656         | rVV      | 109543         | 215241        | 13.33%          | 1.373%        |
| 35        | 11.680      | 1658          | 1665        | 1674         | rVV      | 812538         | 1460548       | 90.46%          | 9.315%        |
| 36        | 11.792      | 1679          | 1684        | 1686         | rBV6     | 16859          | 29841         | 1.85%           | 0.190%        |

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 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 31535-SLUDGE

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\_N\methods\82N062822W.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 37 | 11.874 | 1692 | 1698 | 1699 | rBV5 | 23795  | 44055   | 2.73%   | 0.281%  |
| 38 | 11.898 | 1699 | 1702 | 1704 | rBV2 | 33565  | 41744   | 2.59%   | 0.266%  |
| 39 | 12.121 | 1736 | 1740 | 1745 | rVB4 | 24051  | 42218   | 2.61%   | 0.269%  |
| 40 | 12.192 | 1746 | 1752 | 1758 | rBV5 | 62656  | 120376  | 7.46%   | 0.768%  |
| 41 | 12.304 | 1768 | 1771 | 1776 | rVB  | 51809  | 77475   | 4.80%   | 0.494%  |
| 42 | 12.380 | 1776 | 1784 | 1788 | rBV8 | 37282  | 88928   | 5.51%   | 0.567%  |
| 43 | 12.621 | 1823 | 1825 | 1827 | rBV3 | 26223  | 33522   | 2.08%   | 0.214%  |
| 44 | 12.669 | 1827 | 1833 | 1843 | rVB2 | 711432 | 1391353 | 86.17%  | 8.874%  |
| 45 | 12.757 | 1846 | 1848 | 1853 | rVB4 | 33334  | 38382   | 2.38%   | 0.245%  |
| 46 | 12.816 | 1853 | 1858 | 1859 | rBV2 | 31440  | 47972   | 2.97%   | 0.306%  |
| 47 | 12.986 | 1882 | 1887 | 1901 | rBV3 | 107340 | 243338  | 15.07%  | 1.552%  |
| 48 | 13.139 | 1908 | 1913 | 1915 | rBV2 | 33073  | 49592   | 3.07%   | 0.316%  |
| 49 | 13.186 | 1917 | 1921 | 1924 | rBV4 | 36745  | 57602   | 3.57%   | 0.367%  |
| 50 | 13.221 | 1924 | 1927 | 1930 | rVV2 | 41163  | 57694   | 3.57%   | 0.368%  |
| 51 | 13.351 | 1945 | 1949 | 1954 | rBV2 | 44851  | 66269   | 4.10%   | 0.423%  |
| 52 | 13.404 | 1955 | 1958 | 1961 | rBV3 | 19500  | 25369   | 1.57%   | 0.162%  |
| 53 | 13.468 | 1966 | 1969 | 1972 | rBV3 | 34860  | 44362   | 2.75%   | 0.283%  |
| 54 | 13.545 | 1978 | 1982 | 1985 | rBV  | 54503  | 74114   | 4.59%   | 0.473%  |
| 55 | 13.610 | 1985 | 1993 | 1999 | rVV  | 972745 | 1614601 | 100.00% | 10.297% |
| 56 | 13.933 | 2043 | 2048 | 2053 | rBV  | 121737 | 178673  | 11.07%  | 1.140%  |
| 57 | 14.151 | 2082 | 2085 | 2089 | rVB2 | 46319  | 59943   | 3.71%   | 0.382%  |
| 58 | 14.257 | 2099 | 2103 | 2109 | rVB5 | 57235  | 93710   | 5.80%   | 0.598%  |
| 59 | 14.321 | 2110 | 2114 | 2118 | rBV4 | 44956  | 68076   | 4.22%   | 0.434%  |
| 60 | 14.415 | 2120 | 2130 | 2131 | rBV4 | 75576  | 144854  | 8.97%   | 0.924%  |
| 61 | 14.451 | 2132 | 2136 | 2139 | rVV4 | 49583  | 84364   | 5.23%   | 0.538%  |
| 62 | 14.557 | 2150 | 2154 | 2158 | rBV3 | 108038 | 168608  | 10.44%  | 1.075%  |
| 63 | 14.786 | 2188 | 2193 | 2200 | rVB2 | 165105 | 270164  | 16.73%  | 1.723%  |
| 64 | 14.857 | 2201 | 2205 | 2209 | rVV5 | 85154  | 166087  | 10.29%  | 1.059%  |
| 65 | 14.904 | 2209 | 2213 | 2220 | rVB2 | 190980 | 358291  | 22.19%  | 2.285%  |
| 66 | 15.127 | 2248 | 2251 | 2255 | rVB4 | 81168  | 109545  | 6.78%   | 0.699%  |
| 67 | 15.398 | 2292 | 2297 | 2306 | rBV3 | 256070 | 527411  | 32.67%  | 3.364%  |
| 68 | 15.627 | 2332 | 2336 | 2345 | rVB3 | 177764 | 346118  | 21.44%  | 2.207%  |
| 69 | 15.733 | 2347 | 2354 | 2360 | rVV8 | 66851  | 218172  | 13.51%  | 1.391%  |
| 70 | 15.809 | 2364 | 2367 | 2373 | rVB4 | 91307  | 151788  | 9.40%   | 0.968%  |
| 71 | 16.380 | 2459 | 2464 | 2472 | rBV  | 173142 | 337559  | 20.91%  | 2.153%  |

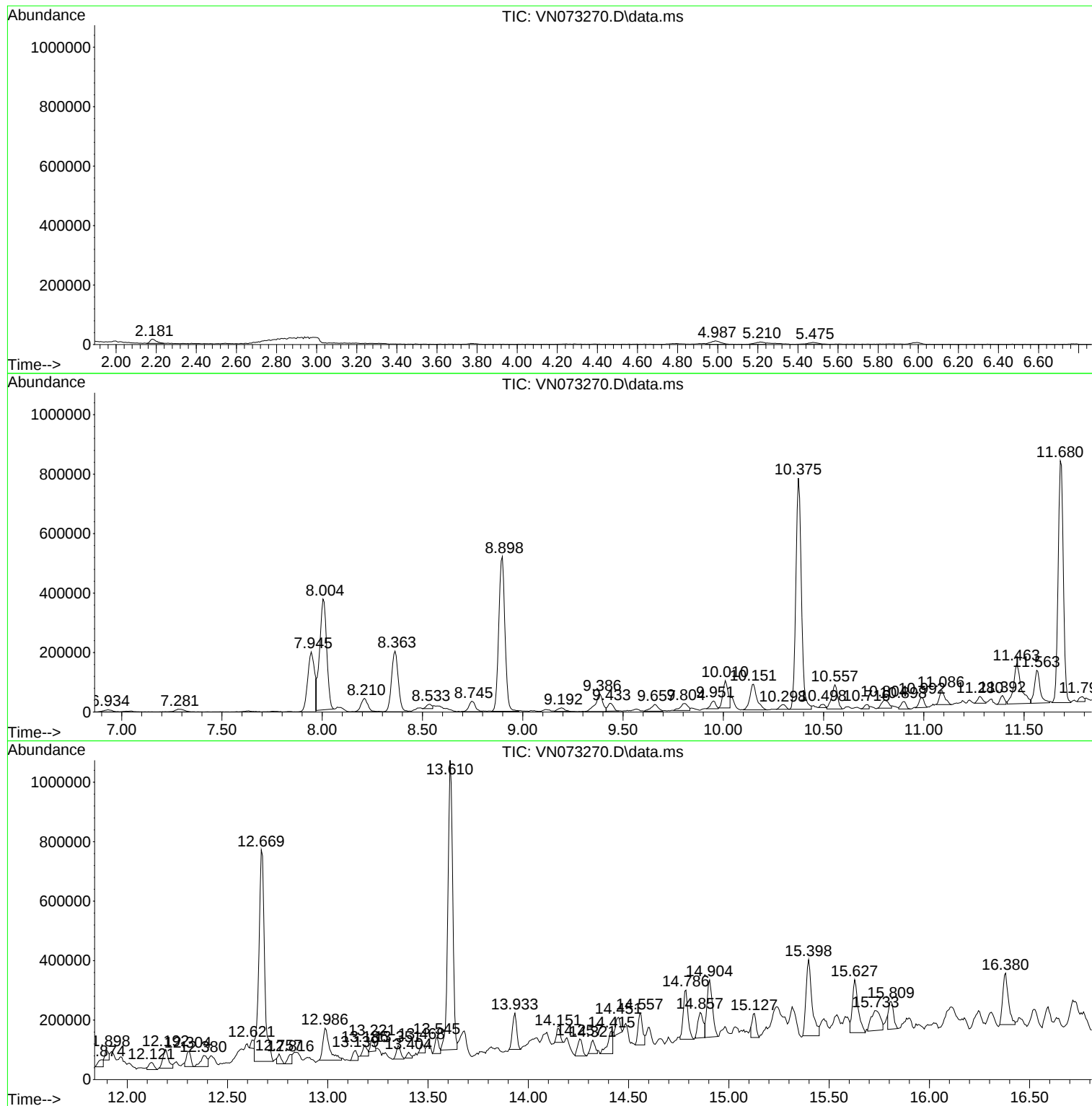
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Sample : N3476-01  
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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
31535-SLUDGE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN063022\  
Data File : VN073270.D  
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Sample : N3476-01  
Misc : 4.99g/10mL/100uL/5.0mL/MeOH  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
31535-SLUDGE

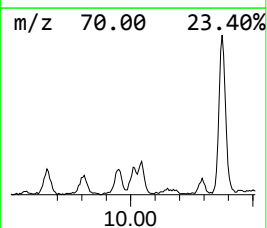
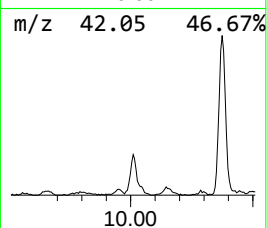
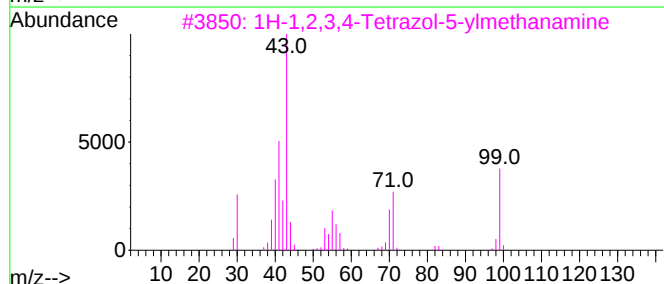
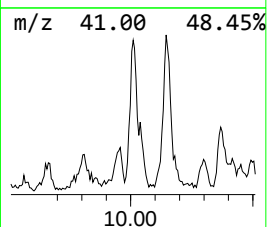
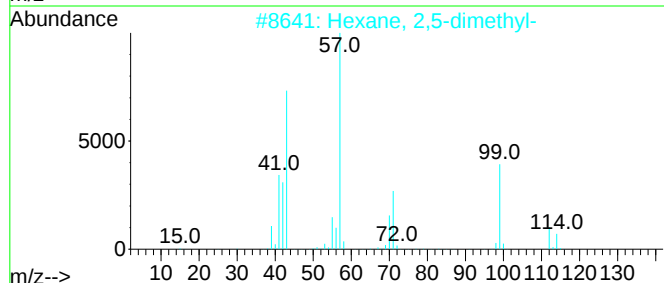
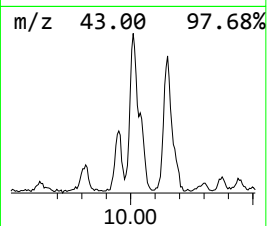
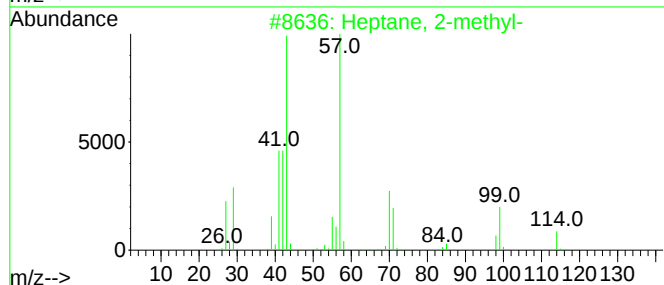
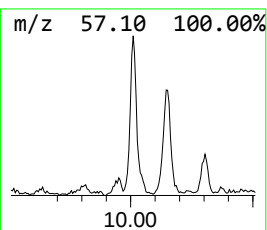
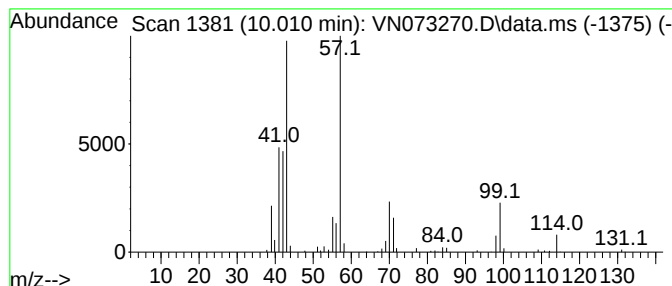
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
Quant Title : SW846 8260

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

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Peak Number 1 Heptane, 2-methyl- Concentration Rank 9

| R.T.   | EstConc   | Area   | Relative to ISTD    | R.T.  |
|--------|-----------|--------|---------------------|-------|
| 10.010 | 7.46 ug/l | 166221 | 1,4-Difluorobenzene | 8.898 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Heptane, 2-methyl-                  | 114 | C8H18     | 000592-27-8  | 93   |
| 2    |    |   | Hexane, 2,5-dimethyl-               | 114 | C8H18     | 000592-13-2  | 90   |
| 3    |    |   | 1H-1,2,3,4-Tetrazol-5-ylmethanamine | 99  | C2H5N5    | 031602-63-8  | 47   |
| 4    |    |   | Heptane, 3,5-dimethyl-              | 128 | C9H20     | 000926-82-9  | 38   |
| 5    |    |   | Sulfurous acid, 2-propyl heptyl ... | 222 | C10H22O3S | 1000309-11-8 | 38   |



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Instrument :  
MSVOA\_N  
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31535-SLUDGE

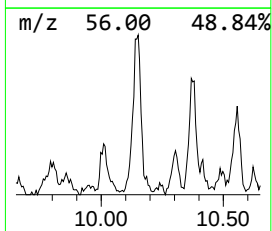
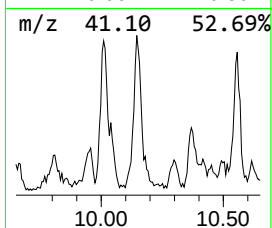
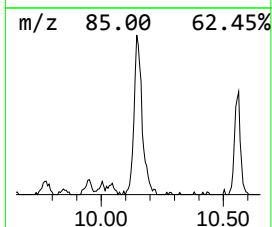
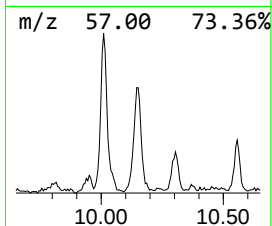
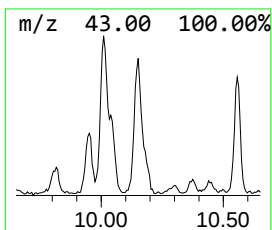
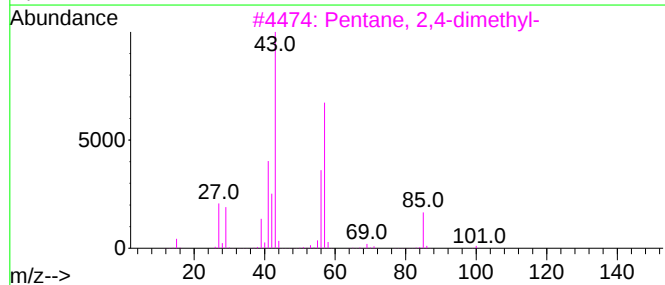
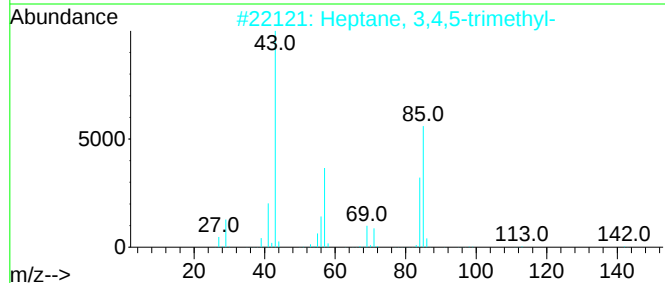
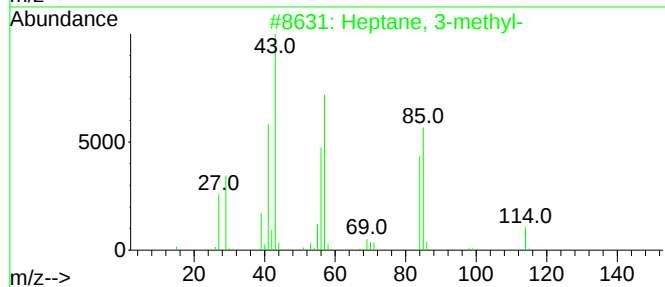
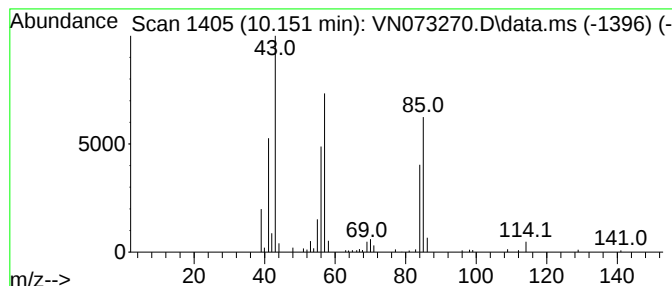
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Heptane, 3-methyl- Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD    | R.T.  |
|--------|-----------|--------|---------------------|-------|
| 10.151 | 9.35 ug/l | 208155 | 1,4-Difluorobenzene | 8.898 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptane, 3-methyl-            | 114 | C8H18   | 000589-81-1 | 91   |
| 2    |    |   | Heptane, 3,4,5-trimethyl-     | 142 | C10H22  | 020278-89-1 | 64   |
| 3    |    |   | Pentane, 2,4-dimethyl-        | 100 | C7H16   | 000108-08-7 | 53   |
| 4    |    |   | Pentane, 2,3,3,4-tetramethyl- | 128 | C9H20   | 016747-38-9 | 53   |
| 5    |    |   | Hexane, 2,4-dimethyl-         | 114 | C8H18   | 000589-43-5 | 52   |



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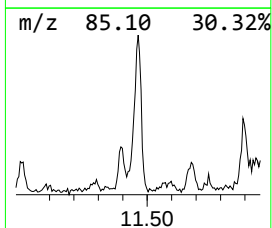
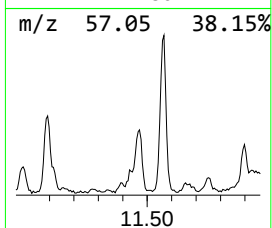
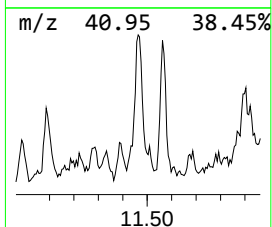
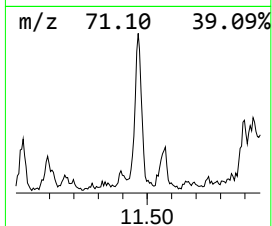
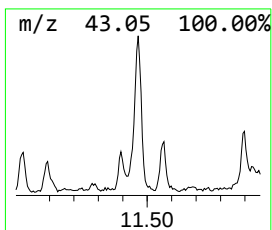
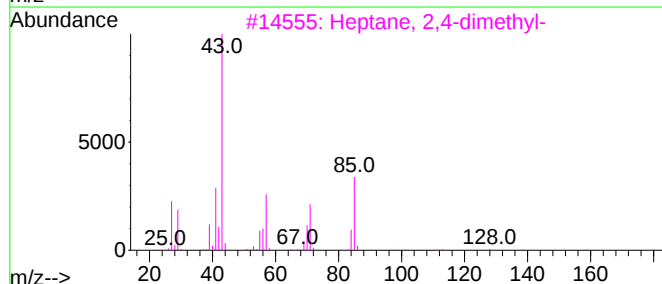
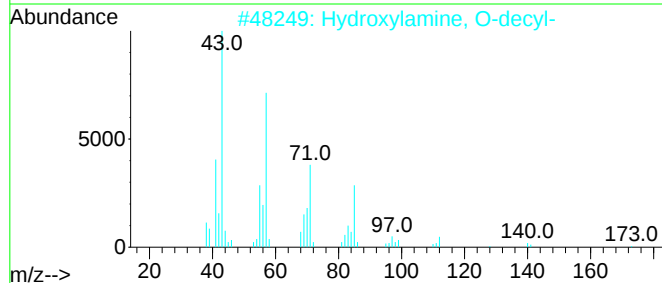
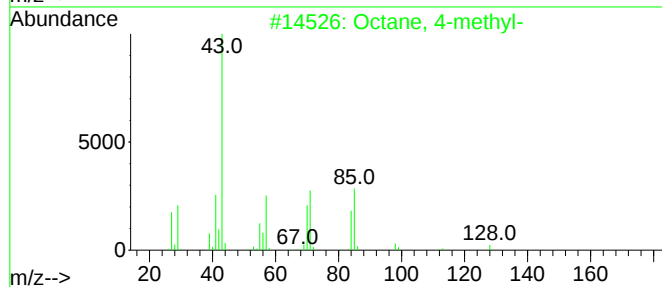
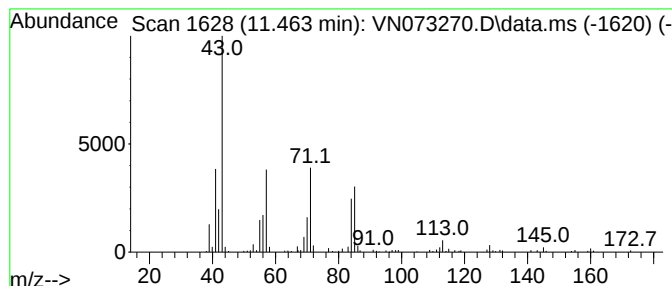
Instrument :  
MSVOA\_N  
ClientSampleId :  
31535-SLUDGE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Octane, 4-methyl- Concentration Rank 2

| R.T.      | EstConc                 | Area   | Relative to ISTD |          | R.T.        |      |
|-----------|-------------------------|--------|------------------|----------|-------------|------|
| 11.463    | 12.14 ug/l              | 354501 | Chlorobenzene-d5 |          | 11.686      |      |
| Hit# of 5 | Tentative ID            |        | MW               | MolForm  | CAS#        | Qual |
| 1         | Octane, 4-methyl-       |        | 128              | C9H20    | 002216-34-4 | 72   |
| 2         | Hydroxylamine, O-decyl- |        | 173              | C10H23NO | 029812-79-1 | 72   |
| 3         | Heptane, 2,4-dimethyl-  |        | 128              | C9H20    | 002213-23-2 | 64   |
| 4         | Octane, 2-methyl-       |        | 128              | C9H20    | 003221-61-2 | 59   |
| 5         | Octane                  |        | 114              | C8H18    | 000111-65-9 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN063022\  
Data File : VN073270.D  
Acq On : 30 Jun 2022 17:01  
Operator : JC\MD  
Sample : N3476-01  
Misc : 4.99g/10mL/100uL/5.0mL/MeOH  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
31535-SLUDGE

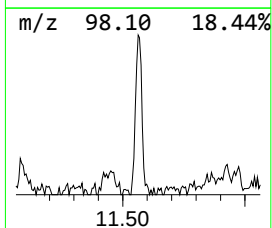
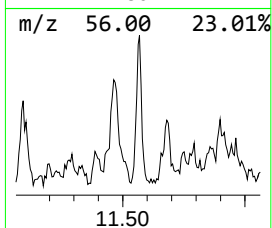
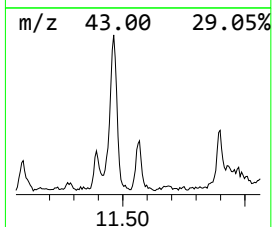
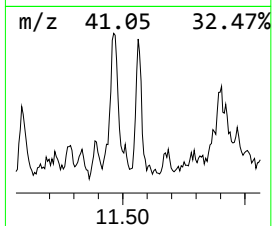
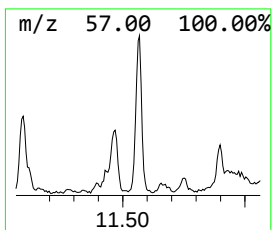
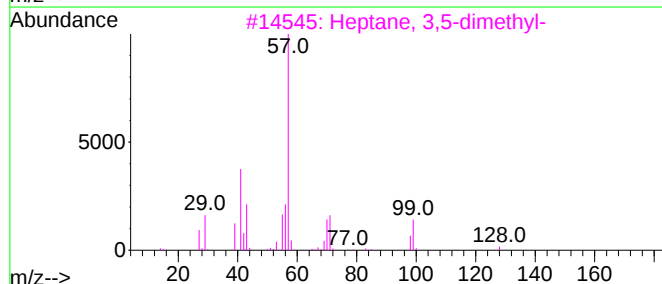
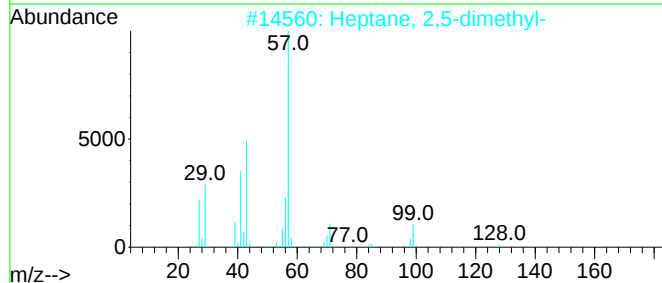
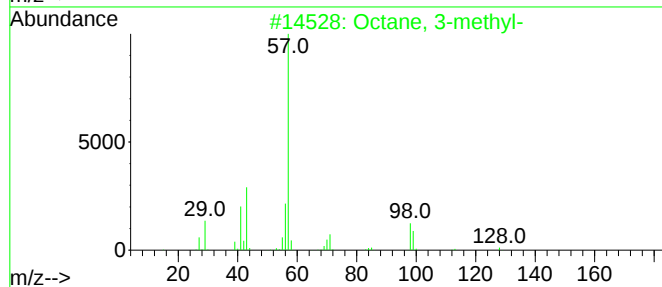
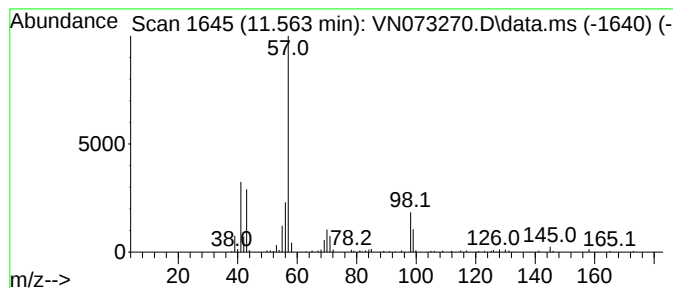
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Octane, 3-methyl- Concentration Rank 10

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.   |
|--------|-----------|--------|------------------|--------|
| 11.563 | 7.37 ug/l | 215241 | Chlorobenzene-d5 | 11.686 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Octane, 3-methyl-           | 128 | C9H20   | 002216-33-3 | 90   |
| 2    |    |   | Heptane, 2,5-dimethyl-      | 128 | C9H20   | 002216-30-0 | 80   |
| 3    |    |   | Heptane, 3,5-dimethyl-      | 128 | C9H20   | 000926-82-9 | 74   |
| 4    |    |   | Heptane, 4-(1-methylethyl)- | 142 | C10H22  | 052896-87-4 | 59   |
| 5    |    |   | Undecane, 6-methyl-         | 170 | C12H26  | 017302-33-9 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN063022\  
Data File : VN073270.D  
Acq On : 30 Jun 2022 17:01  
Operator : JC\MD  
Sample : N3476-01  
Misc : 4.99g/10mL/100uL/5.0mL/MeOH  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
31535-SLUDGE

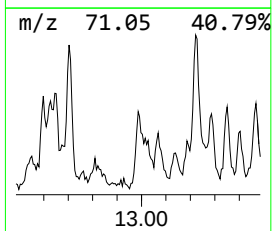
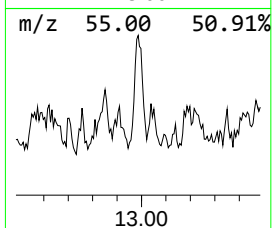
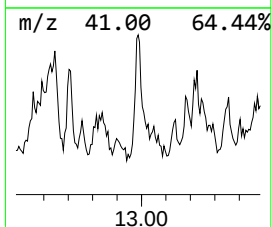
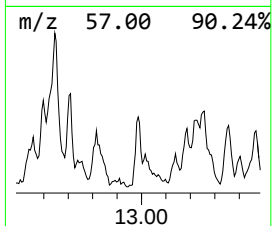
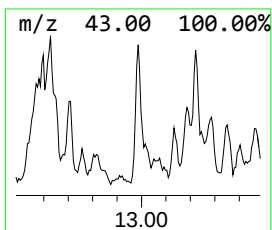
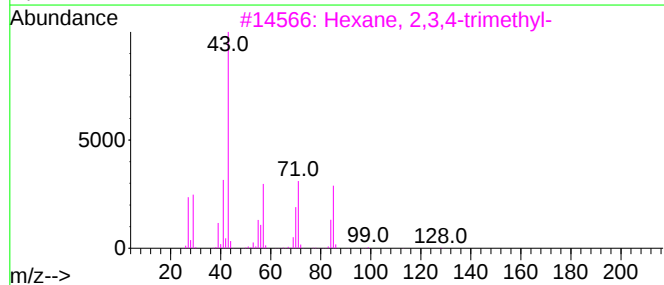
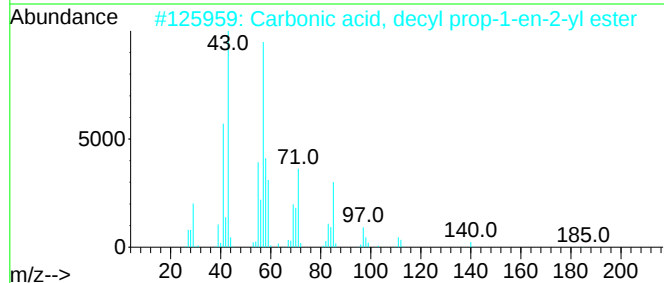
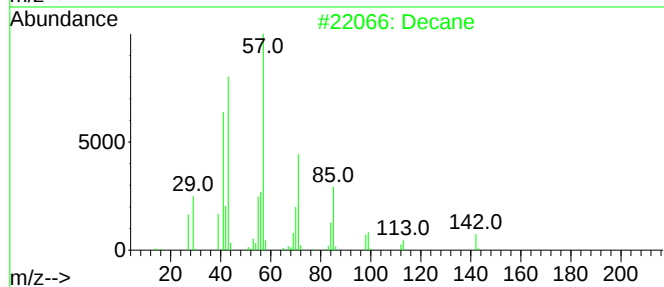
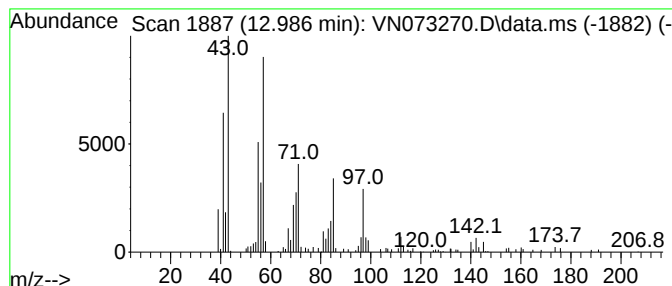
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Decane Concentration Rank 8

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.986 | 7.54 ug/l | 243338 | 1,4-Dichlorobenzene-d4 | 13.610 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Decane                              | 142 | C10H22   | 000124-18-5  | 76   |
| 2    |    |   | Carbonic acid, decyl prop-1-en-2... | 242 | C14H26O3 | 1000382-90-5 | 59   |
| 3    |    |   | Hexane, 2,3,4-trimethyl-            | 128 | C9H20    | 000921-47-1  | 52   |
| 4    |    |   | Octane                              | 114 | C8H18    | 000111-65-9  | 50   |
| 5    |    |   | 1-Decene, 2,4-dimethyl-             | 168 | C12H24   | 055170-80-4  | 49   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN063022\  
Data File : VN073270.D  
Acq On : 30 Jun 2022 17:01  
Operator : JC\MD  
Sample : N3476-01  
Misc : 4.99g/10mL/100uL/5.0mL/MeOH  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
31535-SLUDGE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
Quant Title : SW846 8260

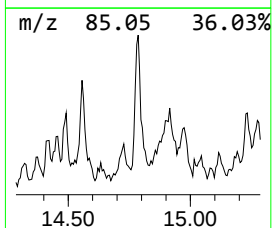
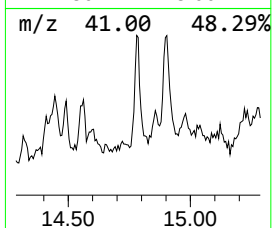
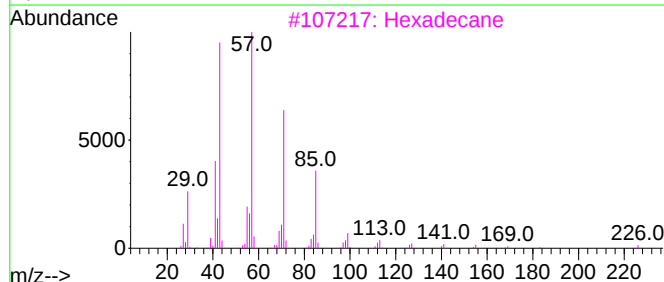
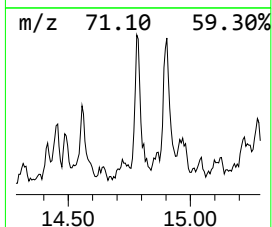
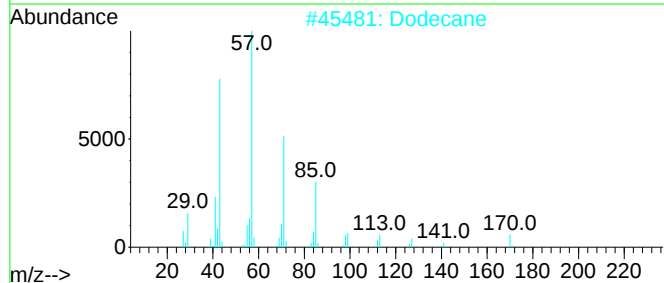
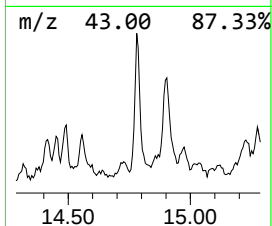
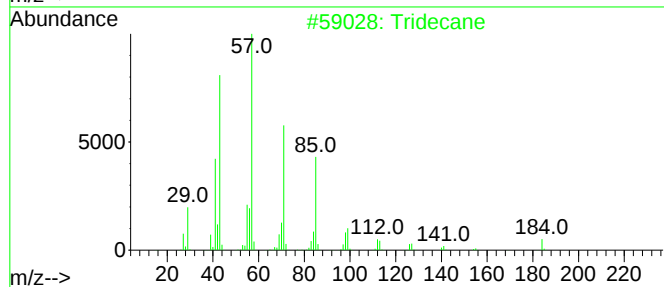
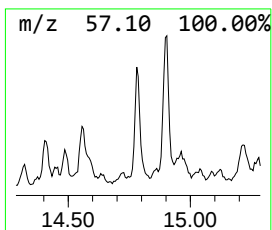
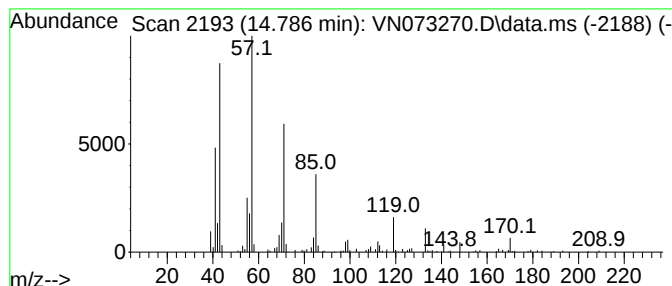
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Tridecane Concentration Rank 7

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.786 | 8.37 ug/l | 270164 | 1,4-Dichlorobenzene-d4 | 13.610 |

| Hit# | of | 5 | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane        | 184 | C13H28  | 000629-50-5 | 83   |
| 2    |    |   | Dodecane         | 170 | C12H26  | 000112-40-3 | 81   |
| 3    |    |   | Hexadecane       | 226 | C16H34  | 000544-76-3 | 62   |
| 4    |    |   | Nonane, 5-butyl- | 184 | C13H28  | 017312-63-9 | 60   |
| 5    |    |   | Tetradecane      | 198 | C14H30  | 000629-59-4 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN063022\  
Data File : VN073270.D  
Acq On : 30 Jun 2022 17:01  
Operator : JC\MD  
Sample : N3476-01  
Misc : 4.99g/10mL/100uL/5.0mL/MeOH  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
31535-SLUDGE

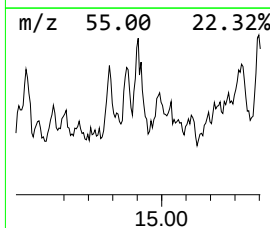
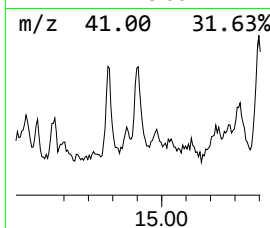
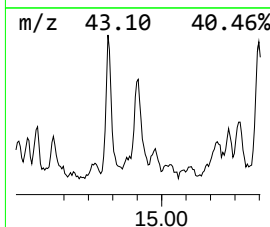
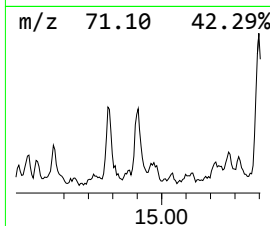
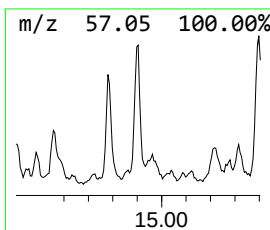
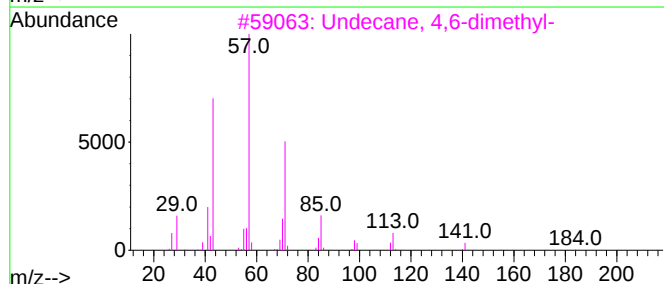
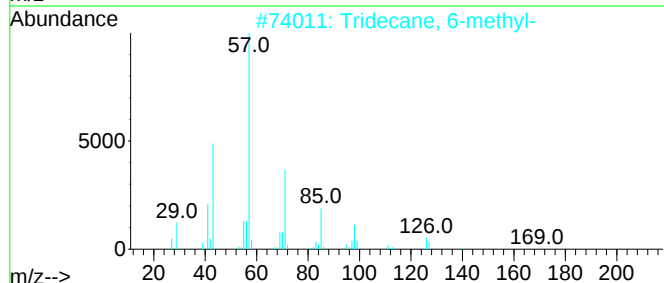
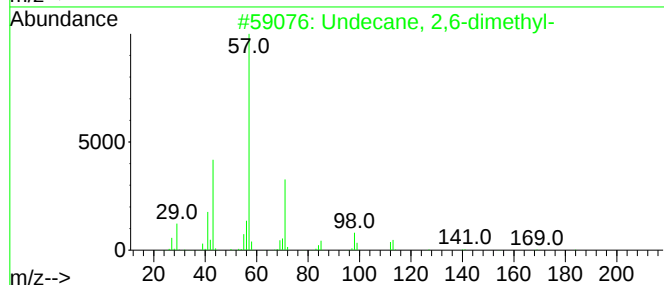
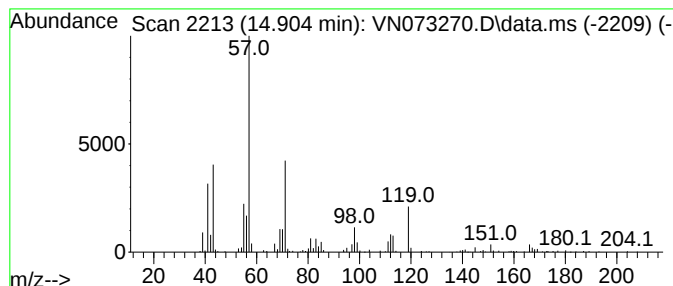
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Quant Title : SW846 8260

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

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Peak Number 7 Undecane, 2,6-dimethyl- Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.904 | 11.10 ug/l | 358291 | 1,4-Dichlorobenzene-d4 | 13.610 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Undecane, 2,6-dimethyl-   | 184 | C13H28  | 017301-23-4 | 70   |
| 2    |    |   | Tridecane, 6-methyl-      | 198 | C14H30  | 013287-21-3 | 50   |
| 3    |    |   | Undecane, 4,6-dimethyl-   | 184 | C13H28  | 017312-82-2 | 49   |
| 4    |    |   | Undecane, 5-ethyl-        | 184 | C13H28  | 017453-94-0 | 47   |
| 5    |    |   | Heptane, 4-(bromomethyl)- | 192 | C8H17Br | 101654-29-9 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN063022\  
Data File : VN073270.D  
Acq On : 30 Jun 2022 17:01  
Operator : JC\MD  
Sample : N3476-01  
Misc : 4.99g/10mL/100uL/5.0mL/MeOH  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
31535-SLUDGE

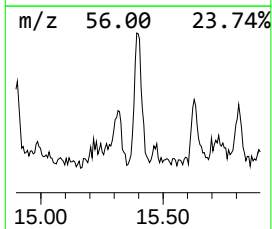
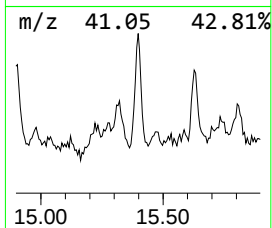
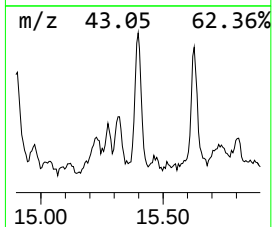
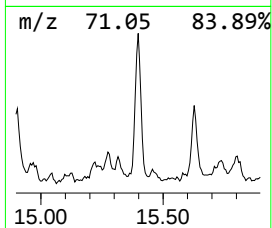
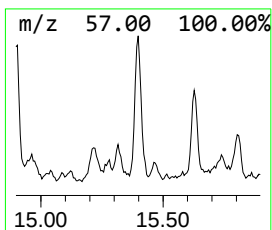
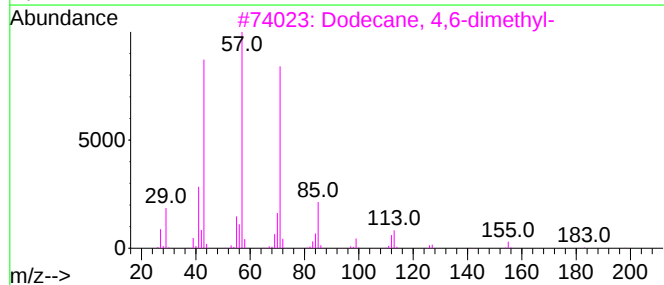
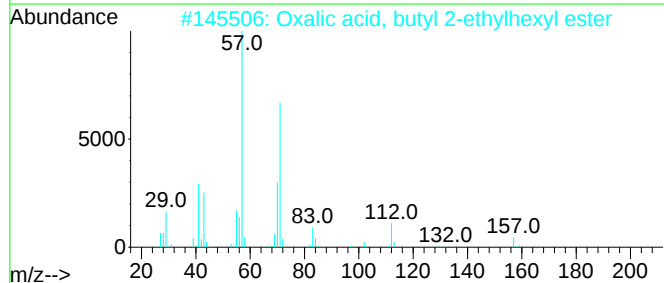
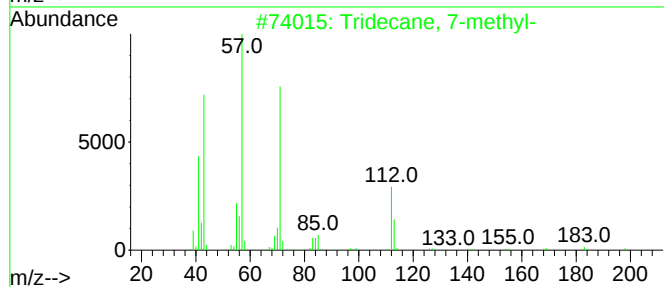
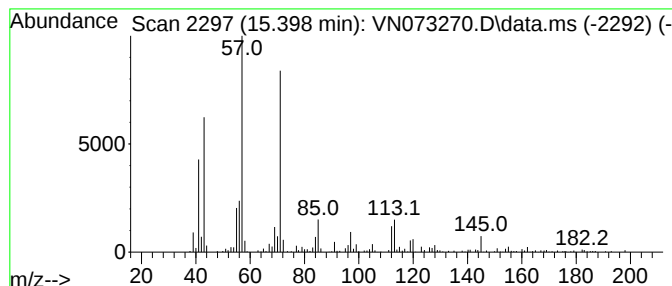
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Quant Title : SW846 8260

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

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Peak Number 8 Tridecane, 7-methyl- Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.398 | 16.33 ug/l | 527411 | 1,4-Dichlorobenzene-d4 | 13.610 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Tridecane, 7-methyl-                | 198 | C14H30   | 026730-14-3  | 70   |
| 2    |    |   | Oxalic acid, butyl 2-ethylhexyl ... | 258 | C14H26O4 | 1000309-38-6 | 53   |
| 3    |    |   | Dodecane, 4,6-dimethyl-             | 198 | C14H30   | 061141-72-8  | 53   |
| 4    |    |   | Decane, 5-propyl-                   | 184 | C13H28   | 017312-62-8  | 52   |
| 5    |    |   | Octane, 2-bromo-                    | 192 | C8H17Br  | 000557-35-7  | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN063022\  
Data File : VN073270.D  
Acq On : 30 Jun 2022 17:01  
Operator : JC\MD  
Sample : N3476-01  
Misc : 4.99g/10mL/100uL/5.0mL/MeOH  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
31535-SLUDGE

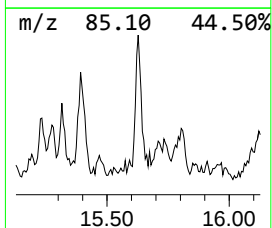
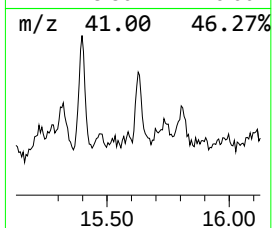
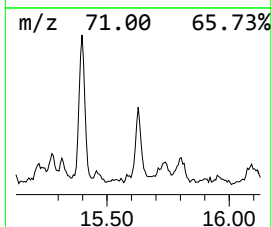
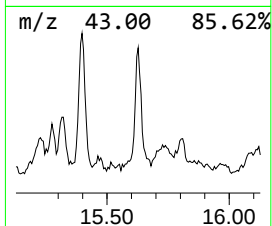
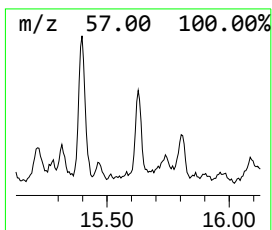
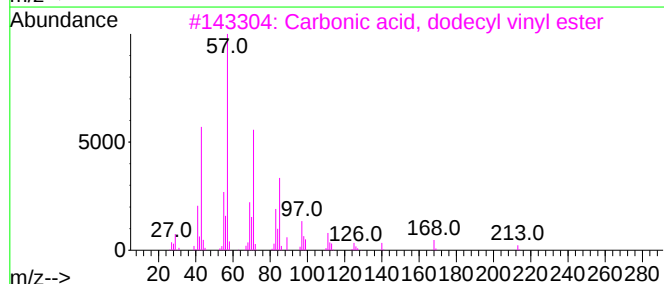
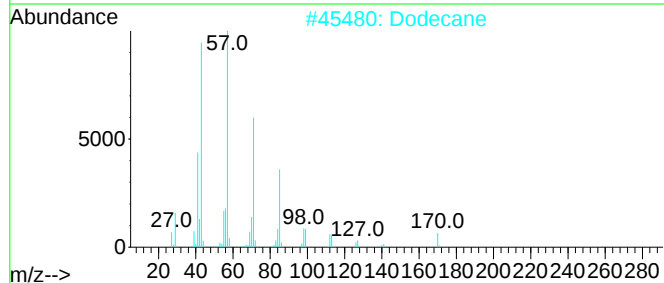
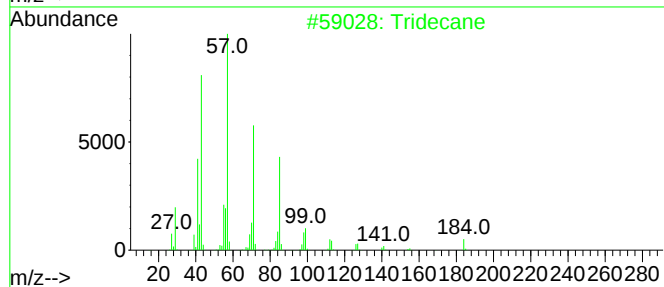
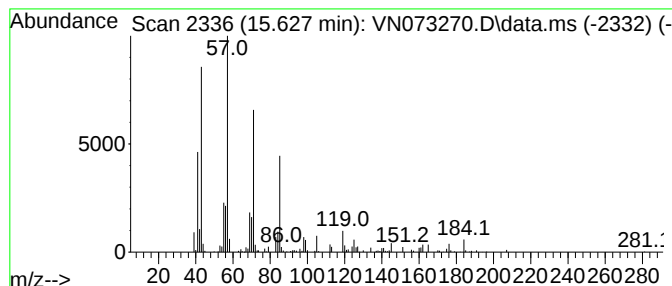
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 Dodecane Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.627 | 10.72 ug/l | 346118 | 1,4-Dichlorobenzene-d4 | 13.610 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Tridecane                          | 184 | C13H28   | 000629-50-5  | 87   |
| 2    |    |   | Dodecane                           | 170 | C12H26   | 000112-40-3  | 74   |
| 3    |    |   | Carbonic acid, dodecyl vinyl ester | 256 | C15H28O3 | 1000382-54-8 | 72   |
| 4    |    |   | Decane, 3,8-dimethyl-              | 170 | C12H26   | 017312-55-9  | 68   |
| 5    |    |   | Nonane, 4,5-dimethyl-              | 156 | C11H24   | 017302-23-7  | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN063022\  
Data File : VN073270.D  
Acq On : 30 Jun 2022 17:01  
Operator : JC\MD  
Sample : N3476-01  
Misc : 4.99g/10mL/100uL/5.0mL/MeOH  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
31535-SLUDGE

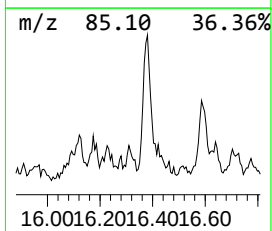
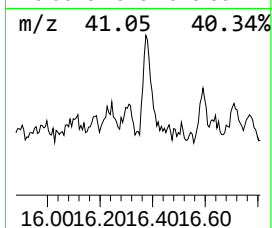
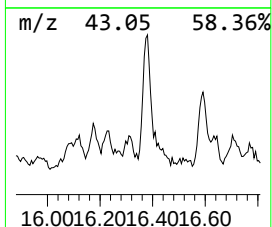
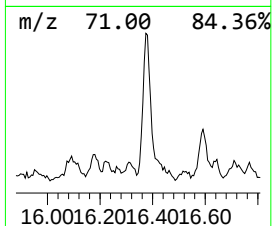
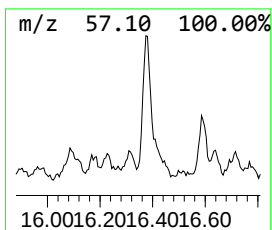
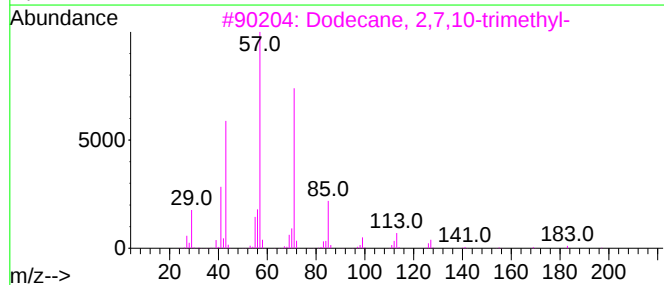
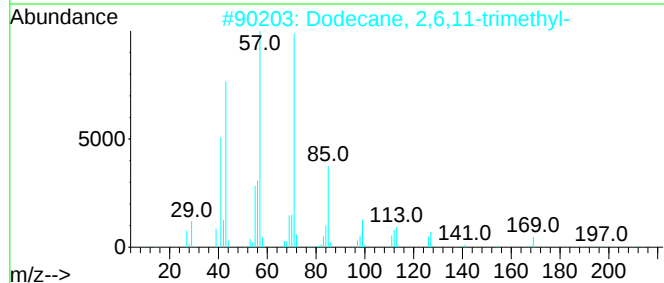
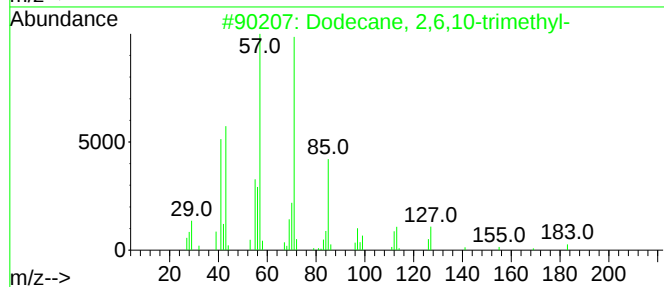
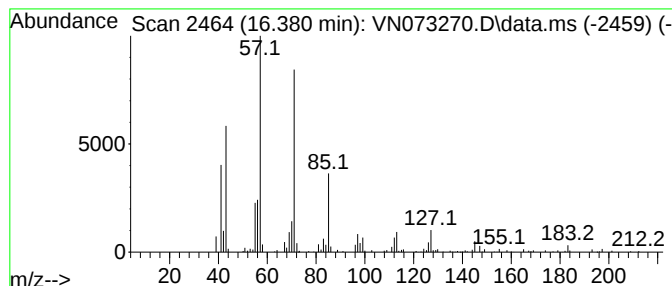
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 Dodecane, 2,6,10-trimethyl- Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.380 | 10.45 ug/l | 337559 | 1,4-Dichlorobenzene-d4 | 13.610 |

| Hit# | of 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------------|-----|---------|-------------|------|
| 1    |      | Dodecane, 2,6,10-trimethyl- | 212 | C15H32  | 003891-98-3 | 90   |
| 2    |      | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 80   |
| 3    |      | Dodecane, 2,7,10-trimethyl- | 212 | C15H32  | 074645-98-0 | 78   |
| 4    |      | 1-Undecene, 4-methyl-       | 168 | C12H24  | 074630-39-0 | 72   |
| 5    |      | Undecane, 3,5-dimethyl-     | 184 | C13H28  | 017312-81-1 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN063022\  
Data File : VN073270.D  
Acq On : 30 Jun 2022 17:01  
Operator : JC\MD  
Sample : N3476-01  
Misc : 4.99g/10mL/100uL/5.0mL/MeOH  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
31535-SLUDGE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Heptane, 2-methyl- | 10.010 | 7.5     | ug/l  | 166221   | 2                     | 8.898  | 1113550 | 50.0 |
| Heptane, 3-methyl- | 10.151 | 9.3     | ug/l  | 208155   | 2                     | 8.898  | 1113550 | 50.0 |
| Octane, 4-methyl-  | 11.463 | 12.1    | ug/l  | 354501   | 3                     | 11.686 | 1460550 | 50.0 |
| Octane, 3-methyl-  | 11.563 | 7.4     | ug/l  | 215241   | 3                     | 11.686 | 1460550 | 50.0 |
| Decane             | 12.986 | 7.5     | ug/l  | 243338   | 4                     | 13.610 | 1614600 | 50.0 |
| Tridecane          | 14.786 | 8.4     | ug/l  | 270164   | 4                     | 13.610 | 1614600 | 50.0 |
| Undecane, 2,6-d... | 14.904 | 11.1    | ug/l  | 358291   | 4                     | 13.610 | 1614600 | 50.0 |
| Tridecane, 7-me... | 15.398 | 16.3    | ug/l  | 527411   | 4                     | 13.610 | 1614600 | 50.0 |
| Dodecane           | 15.627 | 10.7    | ug/l  | 346118   | 4                     | 13.610 | 1614600 | 50.0 |
| Dodecane, 2,6,1... | 16.380 | 10.4    | ug/l  | 337559   | 4                     | 13.610 | 1614600 | 50.0 |