

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071322\  
 Data File : VN073450.D  
 Acq On : 13 Jul 2022 15:25  
 Operator : JC\MD  
 Sample : N3619-01  
 Misc : 1.22g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 31653

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: VN073450.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         | 8.004       | 1018          | 1040        | 1048         | rBV4     | 411976         | 1778583       | 16.91%          | 1.560%        |
| 2         | 8.086       | 1048          | 1054        | 1066         | rVB      | 86425          | 209086        | 1.99%           | 0.183%        |
| 3         | 8.210       | 1066          | 1075        | 1082         | rBV      | 363733         | 840327        | 7.99%           | 0.737%        |
| 4         | 8.363       | 1092          | 1101        | 1110         | rBV2     | 203648         | 454832        | 4.32%           | 0.399%        |
| 5         | 8.480       | 1112          | 1121        | 1128         | rVV4     | 71790          | 191376        | 1.82%           | 0.168%        |
| 6         | 8.557       | 1128          | 1134        | 1139         | rVV2     | 52433          | 128604        | 1.22%           | 0.113%        |
| 7         | 8.622       | 1139          | 1145        | 1157         | rVB3     | 87260          | 216916        | 2.06%           | 0.190%        |
| 8         | 8.745       | 1159          | 1166        | 1175         | rVB2     | 65011          | 130703        | 1.24%           | 0.115%        |
| 9         | 8.898       | 1183          | 1192        | 1204         | rBV      | 507032         | 1064958       | 10.13%          | 0.934%        |
| 10        | 9.386       | 1261          | 1275        | 1291         | rBV      | 924566         | 2040665       | 19.40%          | 1.790%        |
| 11        | 10.374      | 1435          | 1443        | 1450         | rBV      | 748593         | 1425456       | 13.55%          | 1.250%        |
| 12        | 10.439      | 1450          | 1454        | 1461         | rVB      | 138209         | 247088        | 2.35%           | 0.217%        |
| 13        | 11.280      | 1592          | 1597        | 1604         | rVB2     | 71567          | 138253        | 1.31%           | 0.121%        |
| 14        | 11.392      | 1610          | 1616        | 1620         | rBV3     | 67700          | 130164        | 1.24%           | 0.114%        |
| 15        | 11.469      | 1620          | 1629        | 1640         | rBV6     | 183899         | 685909        | 6.52%           | 0.602%        |
| 16        | 11.568      | 1641          | 1646        | 1651         | rVB      | 155581         | 277878        | 2.64%           | 0.244%        |
| 17        | 11.686      | 1660          | 1666        | 1675         | rVB      | 734541         | 1297619       | 12.34%          | 1.138%        |
| 18        | 11.898      | 1692          | 1702        | 1711         | rBV2     | 535804         | 1290410       | 12.27%          | 1.132%        |
| 19        | 11.968      | 1711          | 1714        | 1721         | rVB      | 164680         | 267921        | 2.55%           | 0.235%        |
| 20        | 12.192      | 1744          | 1752        | 1765         | rBV5     | 327583         | 1170167       | 11.13%          | 1.026%        |
| 21        | 12.310      | 1767          | 1772        | 1776         | rVV      | 323915         | 491413        | 4.67%           | 0.431%        |
| 22        | 12.392      | 1781          | 1786        | 1788         | rVV3     | 233429         | 429231        | 4.08%           | 0.376%        |
| 23        | 12.427      | 1788          | 1792        | 1803         | rVV5     | 364750         | 982655        | 9.34%           | 0.862%        |
| 24        | 12.515      | 1803          | 1807        | 1808         | rVV2     | 77859          | 118154        | 1.12%           | 0.104%        |
| 25        | 12.568      | 1812          | 1816        | 1817         | rVV3     | 221231         | 358270        | 3.41%           | 0.314%        |
| 26        | 12.598      | 1818          | 1821        | 1823         | rVV      | 378097         | 567410        | 5.40%           | 0.498%        |
| 27        | 12.621      | 1823          | 1825        | 1829         | rVV      | 373934         | 516936        | 4.92%           | 0.453%        |
| 28        | 12.674      | 1829          | 1834        | 1837         | rVV      | 740923         | 1276093       | 12.13%          | 1.119%        |
| 29        | 12.710      | 1837          | 1840        | 1844         | rVV      | 353137         | 542311        | 5.16%           | 0.476%        |
| 30        | 12.757      | 1845          | 1848        | 1852         | rVB3     | 97792          | 155461        | 1.48%           | 0.136%        |
| 31        | 12.839      | 1858          | 1862        | 1868         | rVB4     | 232002         | 439088        | 4.18%           | 0.385%        |
| 32        | 12.921      | 1868          | 1876        | 1879         | rBV6     | 298896         | 674249        | 6.41%           | 0.591%        |
| 33        | 12.986      | 1879          | 1887        | 1894         | rVV2     | 2378031        | 4698163       | 44.67%          | 4.120%        |
| 34        | 13.051      | 1894          | 1898        | 1903         | rVB2     | 269293         | 453098        | 4.31%           | 0.397%        |
| 35        | 13.139      | 1909          | 1913        | 1915         | rBV3     | 144353         | 225418        | 2.14%           | 0.198%        |
| 36        | 13.227      | 1923          | 1928        | 1931         | rBV2     | 596569         | 1045638       | 9.94%           | 0.917%        |

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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
31653

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 | 13.292 | 1935 | 1939 | 1954 | rVB3 | 1005404 | 3168132  | 30.12%  | 2.779% |
| 38 | 13.433 | 1961 | 1963 | 1967 | rVB3 | 128674  | 146791   | 1.40%   | 0.129% |
| 39 | 13.504 | 1967 | 1975 | 1979 | rBV4 | 785625  | 1728542  | 16.44%  | 1.516% |
| 40 | 13.545 | 1979 | 1982 | 1986 | rVB2 | 302698  | 357818   | 3.40%   | 0.314% |
| 41 | 13.615 | 1989 | 1994 | 1997 | rBV  | 969628  | 1486469  | 14.13%  | 1.304% |
| 42 | 13.686 | 2003 | 2006 | 2011 | rVB  | 366352  | 473488   | 4.50%   | 0.415% |
| 43 | 13.810 | 2023 | 2027 | 2030 | rBV2 | 494382  | 647914   | 6.16%   | 0.568% |
| 44 | 13.851 | 2030 | 2034 | 2043 | rVB3 | 532297  | 1022111  | 9.72%   | 0.896% |
| 45 | 13.933 | 2043 | 2048 | 2053 | rBV  | 2399718 | 3720860  | 35.38%  | 3.263% |
| 46 | 13.980 | 2053 | 2056 | 2058 | rBV2 | 179522  | 184810   | 1.76%   | 0.162% |
| 47 | 14.098 | 2070 | 2076 | 2081 | rBV5 | 500064  | 1074751  | 10.22%  | 0.943% |
| 48 | 14.151 | 2082 | 2085 | 2089 | rVB2 | 514840  | 724639   | 6.89%   | 0.636% |
| 49 | 14.198 | 2090 | 2093 | 2098 | rVB2 | 551510  | 818950   | 7.79%   | 0.718% |
| 50 | 14.262 | 2098 | 2104 | 2109 | rBV4 | 840874  | 1555490  | 14.79%  | 1.364% |
| 51 | 14.327 | 2109 | 2115 | 2120 | rBV6 | 644705  | 1430210  | 13.60%  | 1.254% |
| 52 | 14.445 | 2121 | 2135 | 2140 | rBV5 | 3424291 | 9929643  | 94.42%  | 8.709% |
| 53 | 14.492 | 2140 | 2143 | 2150 | rVB3 | 1744793 | 2728955  | 25.95%  | 2.393% |
| 54 | 14.562 | 2150 | 2155 | 2158 | rBV2 | 1630090 | 2473808  | 23.52%  | 2.170% |
| 55 | 14.609 | 2158 | 2163 | 2167 | rVV4 | 1720836 | 2944821  | 28.00%  | 2.583% |
| 56 | 14.662 | 2169 | 2172 | 2176 | rVB3 | 757411  | 1084980  | 10.32%  | 0.952% |
| 57 | 14.792 | 2189 | 2194 | 2200 | rBV5 | 1289010 | 2480599  | 23.59%  | 2.176% |
| 58 | 14.862 | 2201 | 2206 | 2209 | rBV3 | 2409126 | 4288569  | 40.78%  | 3.761% |
| 59 | 14.904 | 2209 | 2213 | 2221 | rVB3 | 5488976 | 10516957 | 100.00% | 9.224% |
| 60 | 14.986 | 2223 | 2227 | 2230 | rBV6 | 945370  | 1571836  | 14.95%  | 1.379% |
| 61 | 15.033 | 2231 | 2235 | 2239 | rBV4 | 1269140 | 2185705  | 20.78%  | 1.917% |
| 62 | 15.227 | 2263 | 2268 | 2273 | rBV5 | 1234413 | 2854701  | 27.14%  | 2.504% |
| 63 | 15.280 | 2274 | 2277 | 2280 | rVV3 | 1217364 | 2075768  | 19.74%  | 1.821% |
| 64 | 15.327 | 2280 | 2285 | 2292 | rVB4 | 2934533 | 6831123  | 64.95%  | 5.991% |
| 65 | 15.398 | 2292 | 2297 | 2304 | rVB  | 4392944 | 7751034  | 73.70%  | 6.798% |
| 66 | 15.468 | 2304 | 2309 | 2317 | rBV7 | 1152416 | 3101301  | 29.49%  | 2.720% |
| 67 | 15.709 | 2346 | 2350 | 2352 | rBV4 | 613526  | 966361   | 9.19%   | 0.848% |
| 68 | 15.809 | 2364 | 2367 | 2375 | rVB5 | 1290481 | 2474768  | 23.53%  | 2.170% |
| 69 | 16.262 | 2439 | 2444 | 2448 | rVB  | 800727  | 1418536  | 13.49%  | 1.244% |
| 70 | 16.380 | 2460 | 2464 | 2472 | rVB4 | 408007  | 838421   | 7.97%   | 0.735% |

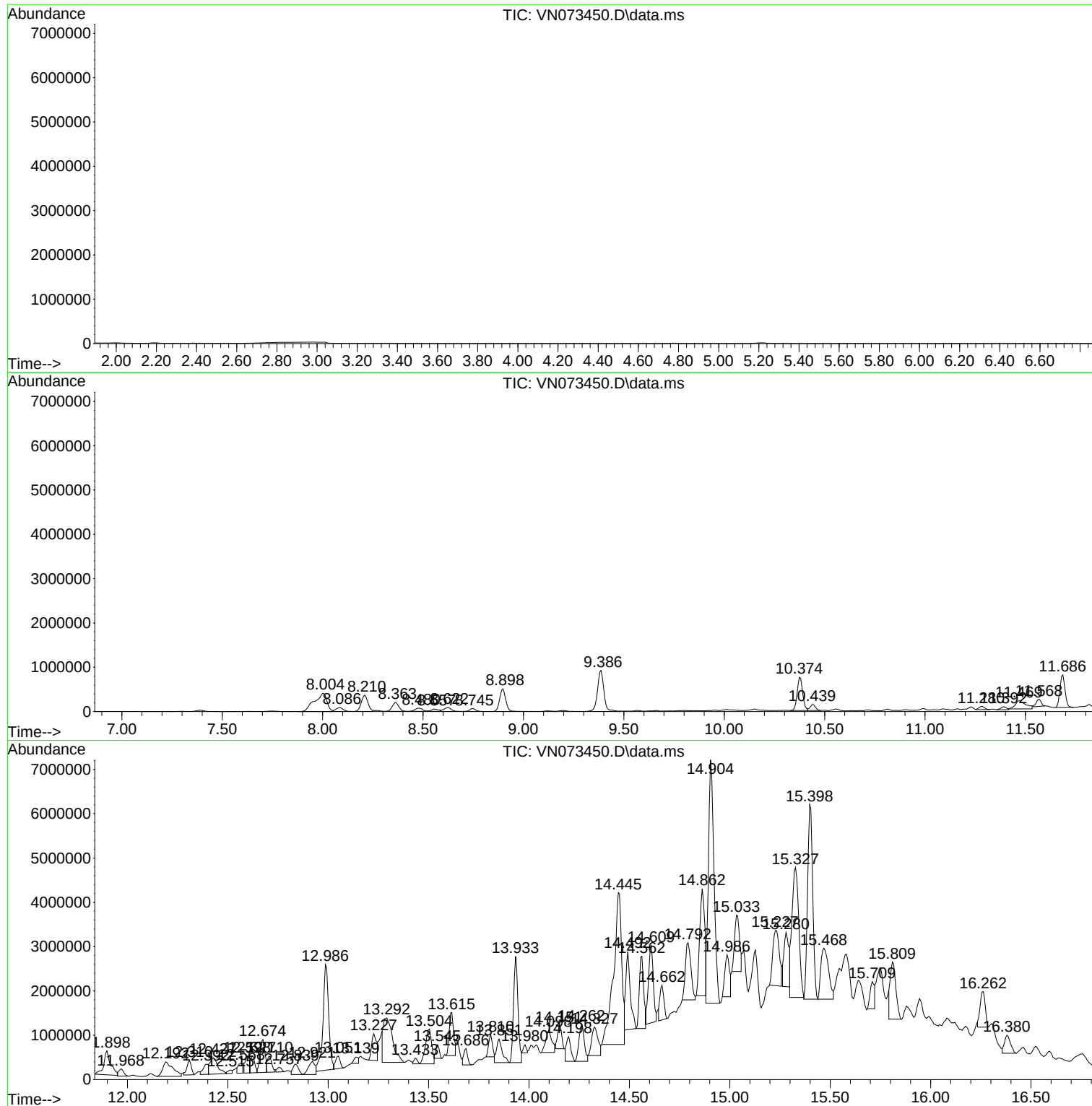
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
31653

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\VN071322\  
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
31653

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

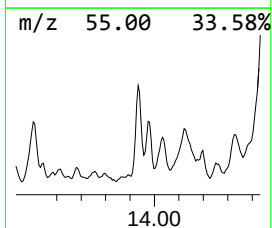
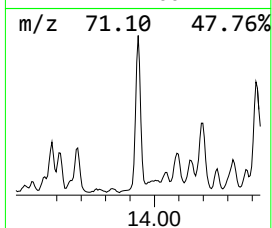
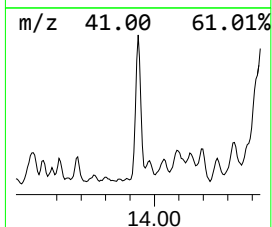
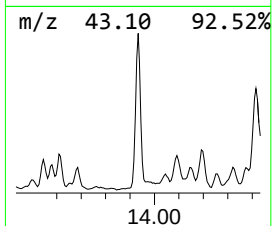
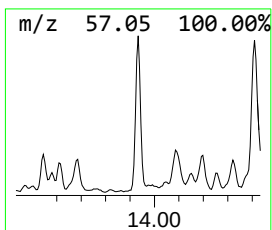
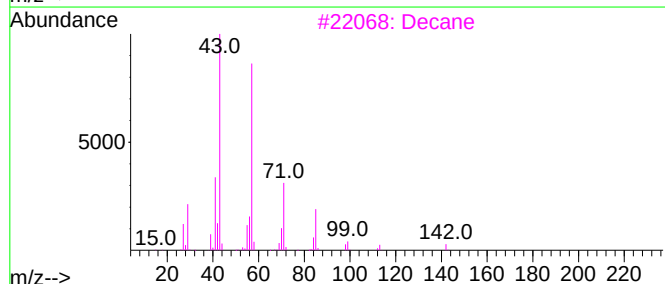
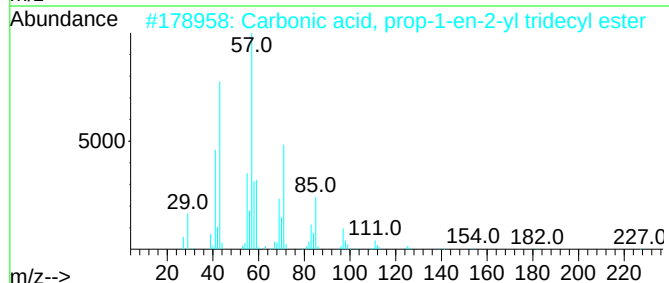
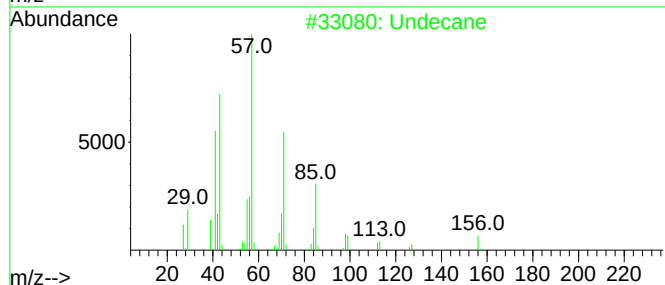
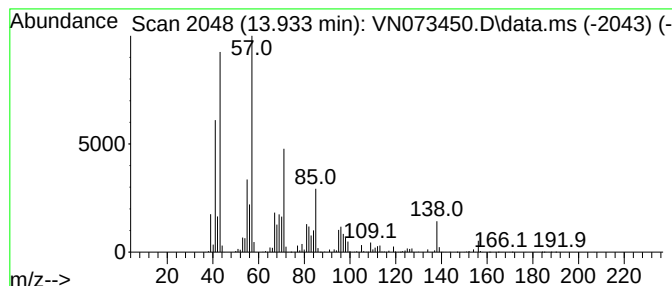
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Undecane Concentration Rank 6

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 13.933 | 125.16 ug/l | 3720860 | 1,4-Dichlorobenzene-d4 | 13.615 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm  | CAS#         | Qual |
|------|-------------------------------------|---|--------------|-----|----------|--------------|------|
| 1    | Undecane                            |   |              | 156 | C11H24   | 001120-21-4  | 70   |
| 2    | Carbonic acid, prop-1-en-2-yl tr... |   |              | 284 | C17H32O3 | 1000382-90-8 | 64   |
| 3    | Decane                              |   |              | 142 | C10H22   | 000124-18-5  | 58   |
| 4    | Carbonic acid, nonyl vinyl ester    |   |              | 214 | C12H22O3 | 1000383-25-6 | 52   |
| 5    | Carbonic acid, decyl prop-1-en-2... |   |              | 242 | C14H26O3 | 1000382-90-5 | 49   |



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

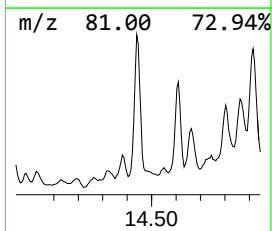
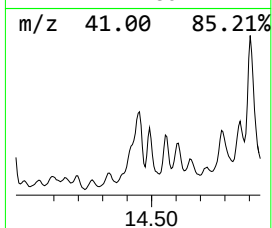
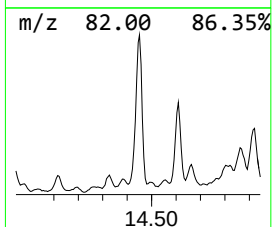
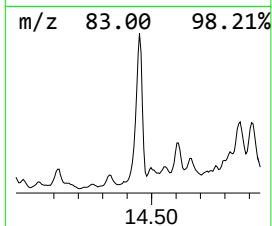
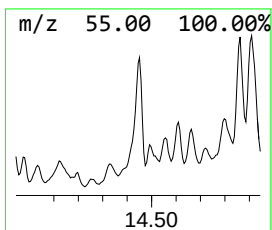
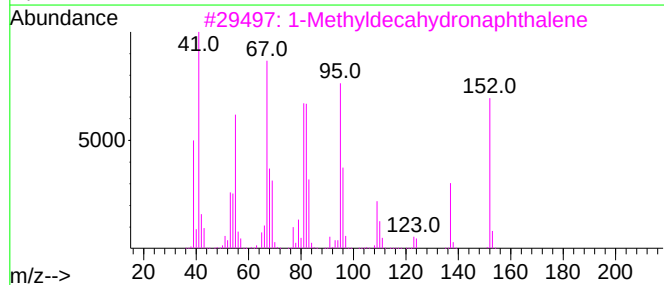
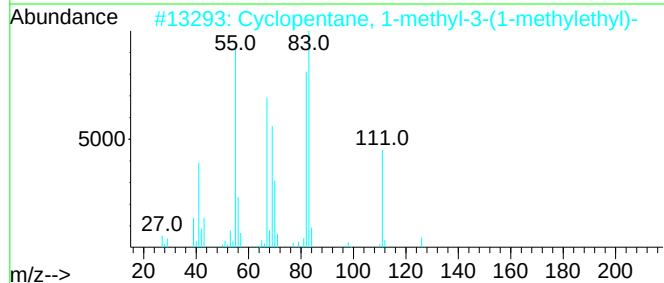
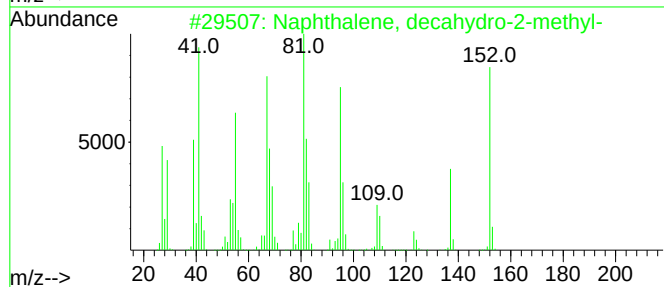
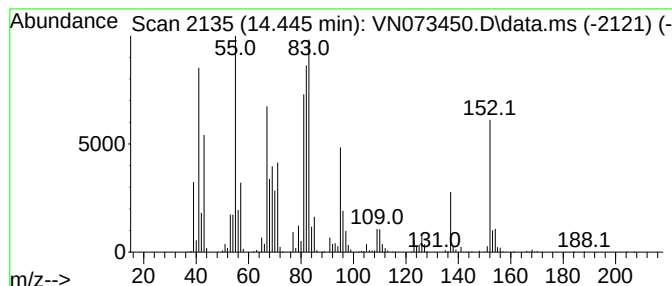
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Naphthalene, decahydro-2-me... Concentration Rank 2

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.445 | 334.00 ug/l | 9929640 | 1,4-Dichlorobenzene-d4 | 13.615 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1 | 89   |
| 2    |    |   | Cyclopentane, 1-methyl-3-(1-meth... | 126 | C9H18   | 053771-88-3 | 50   |
| 3    |    |   | 1-Methyldecahydronaphthalene        | 152 | C11H20  | 002958-75-0 | 50   |
| 4    |    |   | Cyclohexane, 2-propenyl-            | 124 | C9H16   | 002114-42-3 | 43   |
| 5    |    |   | Furan, 2-hexyl-                     | 152 | C10H16O | 003777-70-6 | 43   |



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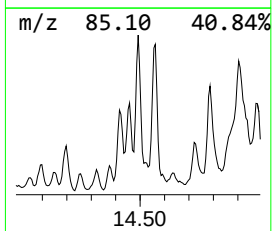
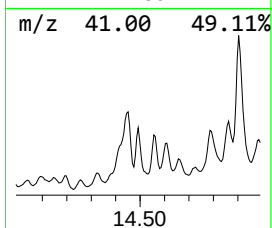
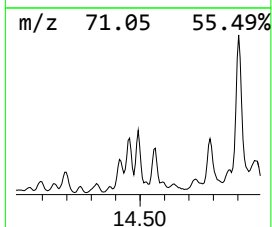
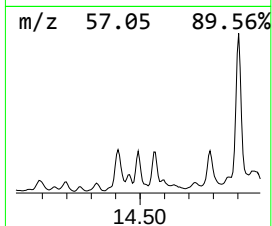
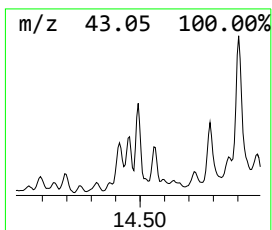
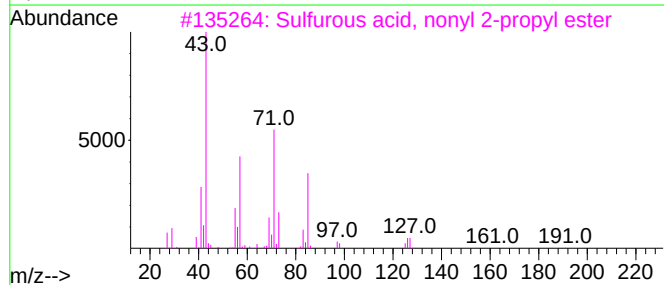
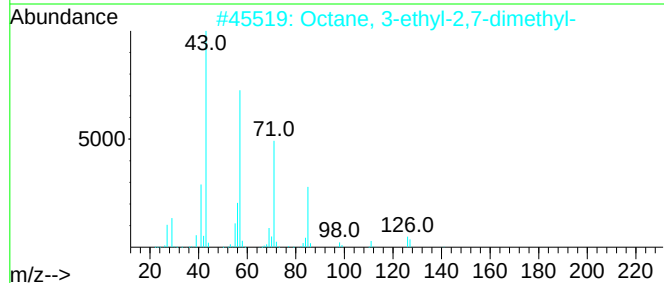
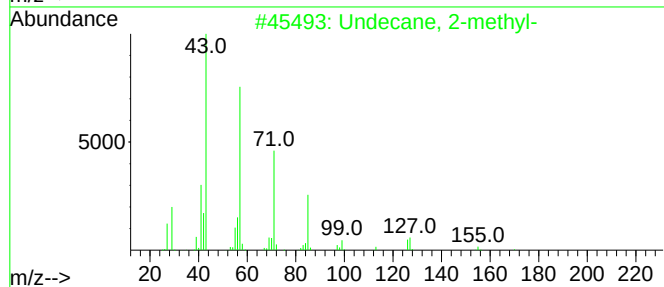
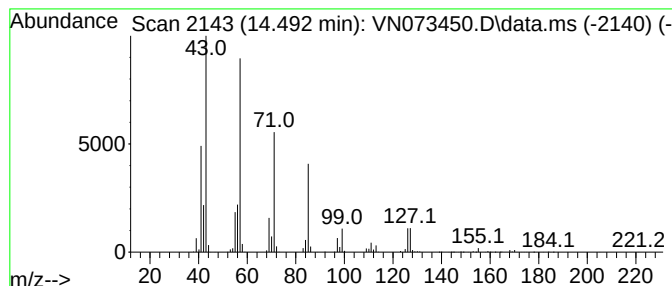
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
Quant Title : SW846 8260

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

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Peak Number 3 Undecane, 2-methyl- Concentration Rank 10

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 14.492 | 91.79 ug/l | 2728960 | 1,4-Dichlorobenzene-d4 | 13.615 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Undecane, 2-methyl-                 | 170 | C12H26    | 007045-71-8  | 91   |
| 2    |    |   | Octane, 3-ethyl-2,7-dimethyl-       | 170 | C12H26    | 062183-55-5  | 59   |
| 3    |    |   | Sulfurous acid, nonyl 2-propyl e... | 250 | C12H26O3S | 1000309-12-0 | 53   |
| 4    |    |   | Heptacosane                         | 380 | C27H56    | 000593-49-7  | 50   |
| 5    |    |   | Undecane, 5-methyl-                 | 170 | C12H26    | 001632-70-8  | 49   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071322\  
Data File : VN073450.D  
Acq On : 13 Jul 2022 15:25  
Operator : JC\MD  
Sample : N3619-01  
Misc : 1.22g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
31653

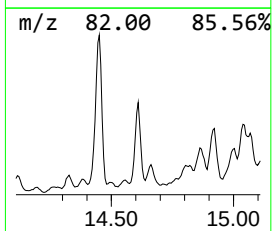
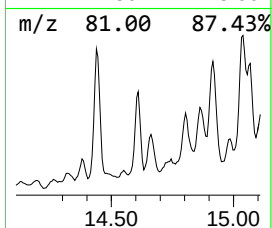
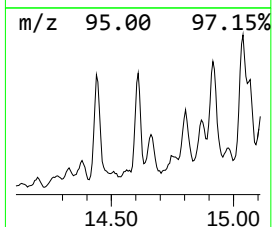
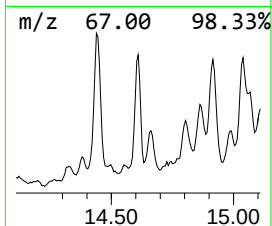
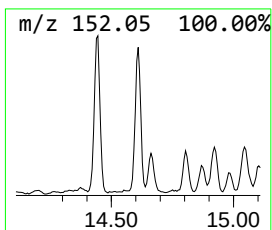
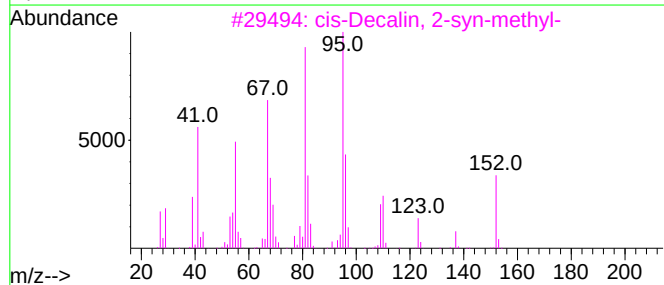
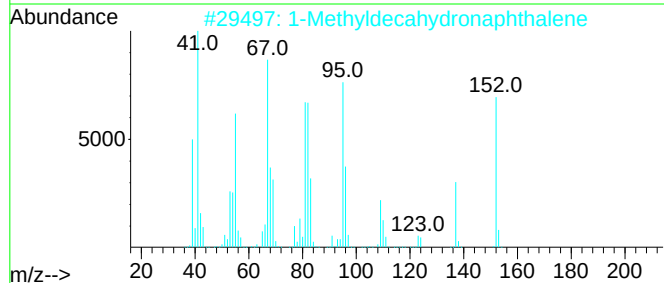
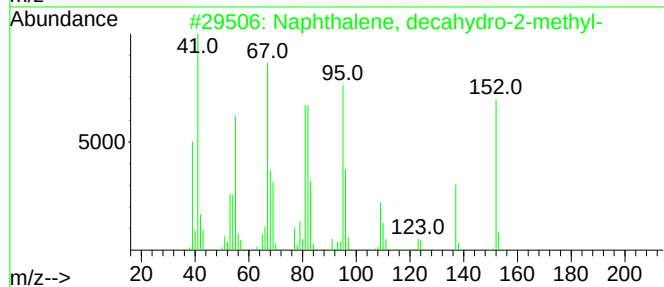
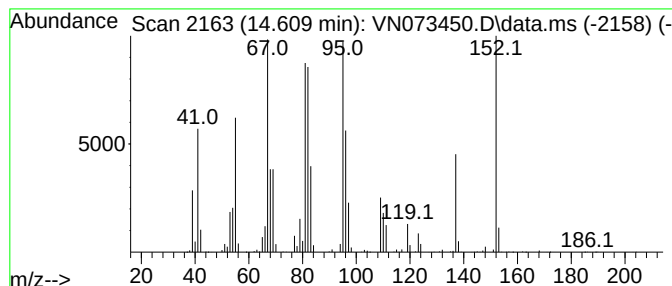
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Quant Title : SW846 8260

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

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Peak Number 4 1-Methyldecahydronaphthalene Concentration Rank 8

| R.T.      | EstConc                          | Area    | Relative to ISTD       | R.T.         |      |
|-----------|----------------------------------|---------|------------------------|--------------|------|
| 14.610    | 99.05 ug/l                       | 2944820 | 1,4-Dichlorobenzene-d4 | 13.615       |      |
| Hit# of 5 | Tentative ID                     | MW      | MolForm                | CAS#         | Qual |
| 1         | Naphthalene, decahydro-2-methyl- | 152     | C11H20                 | 002958-76-1  | 96   |
| 2         | 1-Methyldecahydronaphthalene     | 152     | C11H20                 | 002958-75-0  | 96   |
| 3         | cis-Decalin, 2-syn-methyl-       | 152     | C11H20                 | 1000155-85-6 | 76   |
| 4         | trans-Decalin, 2-methyl-         | 152     | C11H20                 | 1000152-47-3 | 70   |
| 5         | Decalin, syn-1-methyl-, cis-     | 152     | C11H20                 | 1000158-89-1 | 52   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071322\  
Data File : VN073450.D  
Acq On : 13 Jul 2022 15:25  
Operator : JC\MD  
Sample : N3619-01  
Misc : 1.22g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 9 Sample Multiplier: 1

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

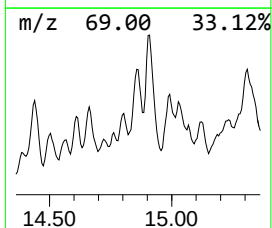
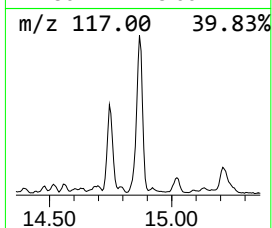
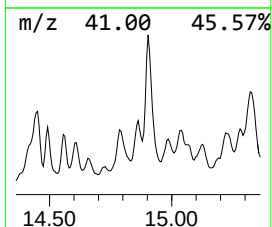
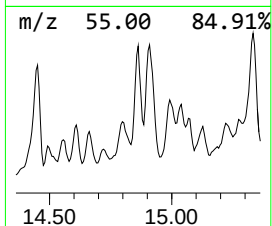
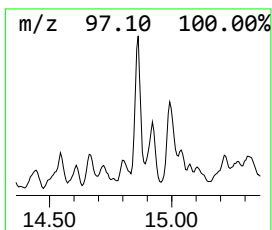
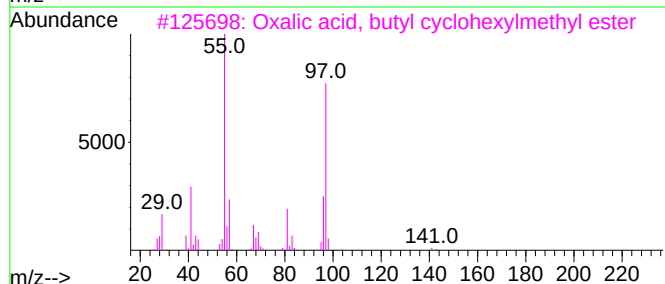
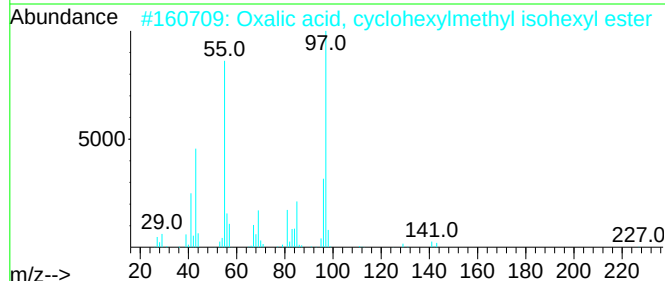
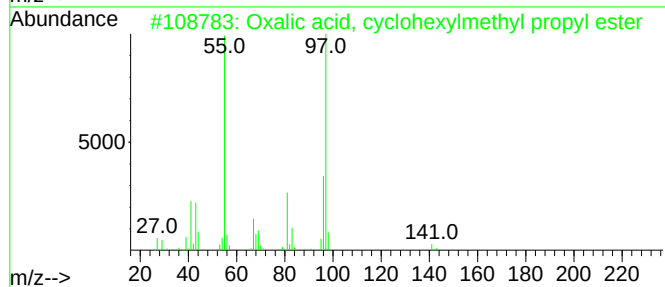
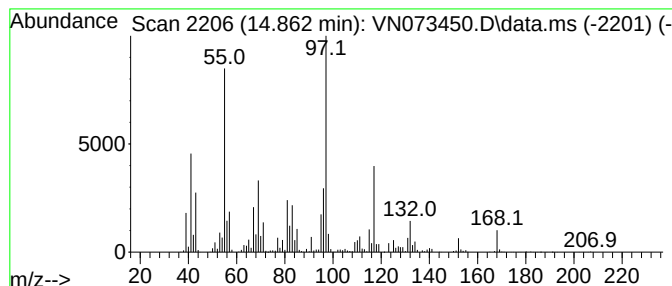
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown14.862 Concentration Rank 5

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.862 | 144.25 ug/l | 4288570 | 1,4-Dichlorobenzene-d4 | 13.615 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Oxalic acid, cyclohexylmethyl pr... | 228 | C12H20O4 | 1010309-68-1 | 47   |
| 2    |    |   | Oxalic acid, cyclohexylmethyl is... | 270 | C15H26O4 | 1000309-68-3 | 47   |
| 3    |    |   | Oxalic acid, butyl cyclohexylmet... | 242 | C13H22O4 | 1000309-68-2 | 46   |
| 4    |    |   | Cyclohexane, 1-methyl-3-pentyl-     | 168 | C12H24   | 054411-02-8  | 46   |
| 5    |    |   | Cyclohexane, 1-methyl-2-pentyl-     | 168 | C12H24   | 054411-01-7  | 46   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071322\  
Data File : VN073450.D  
Acq On : 13 Jul 2022 15:25  
Operator : JC\MD  
Sample : N3619-01  
Misc : 1.22g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
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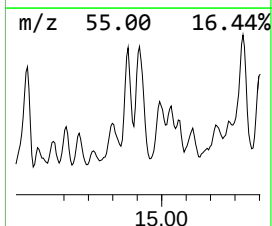
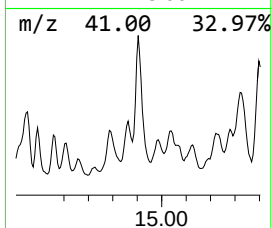
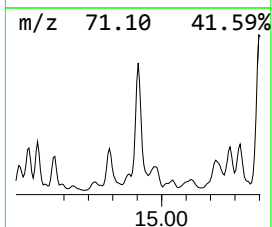
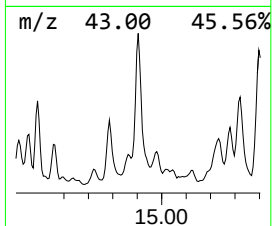
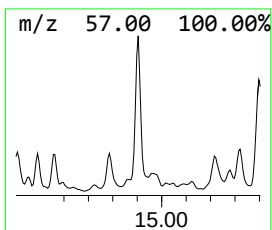
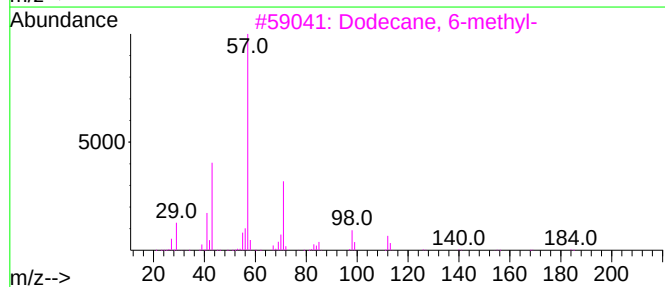
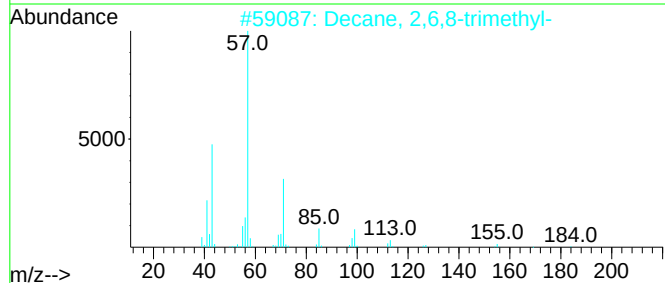
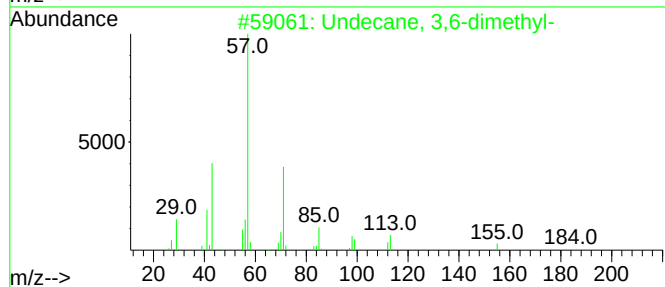
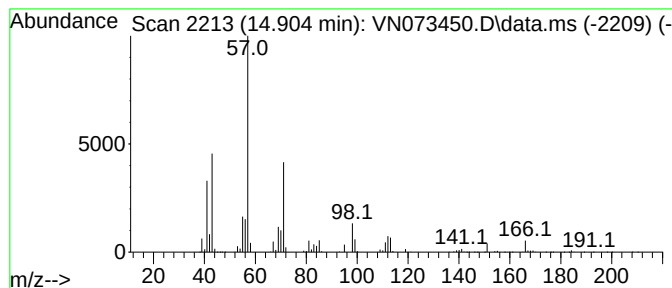
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Quant Title : SW846 8260

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

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Peak Number 6 Undecane, 3,6-dimethyl- Concentration Rank 1

| R.T.   | EstConc     | Area     | Relative to ISTD       | R.T.   |
|--------|-------------|----------|------------------------|--------|
| 14.904 | 353.76 ug/l | 10517000 | 1,4-Dichlorobenzene-d4 | 13.615 |

| Hit# | of                          | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-----------------------------|-----|--------------|-------------|---------|------|------|
| 1    | Undecane, 3,6-dimethyl-     | 184 | C13H28       | 017301-28-9 | 81      |      |      |
| 2    | Decane, 2,6,8-trimethyl-    | 184 | C13H28       | 062108-26-3 | 62      |      |      |
| 3    | Dodecane, 6-methyl-         | 184 | C13H28       | 006044-71-9 | 60      |      |      |
| 4    | Undecane, 2,6-dimethyl-     | 184 | C13H28       | 017301-23-4 | 60      |      |      |
| 5    | Dodecane, 2,6,10-trimethyl- | 212 | C15H32       | 003891-98-3 | 53      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071322\  
Data File : VN073450.D  
Acq On : 13 Jul 2022 15:25  
Operator : JC\MD  
Sample : N3619-01  
Misc : 1.22g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
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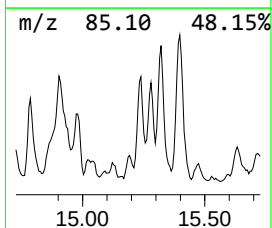
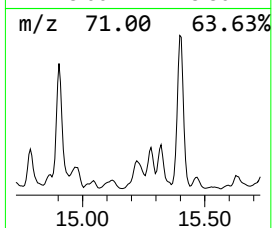
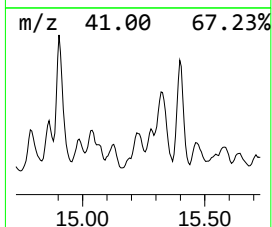
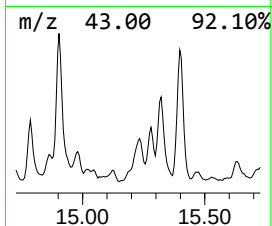
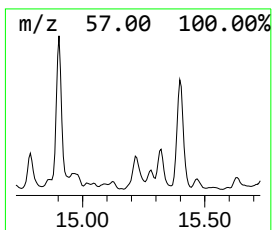
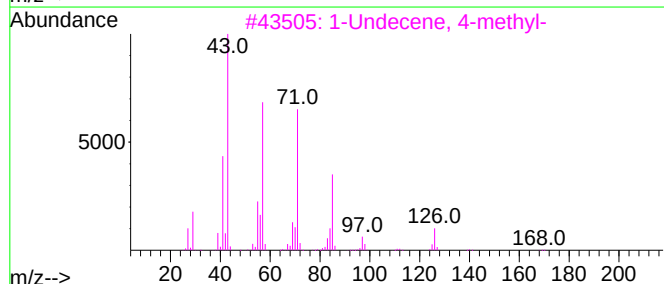
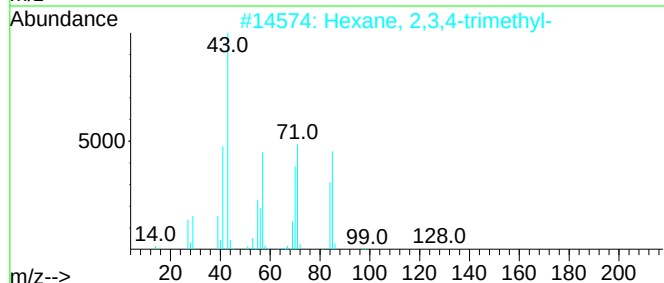
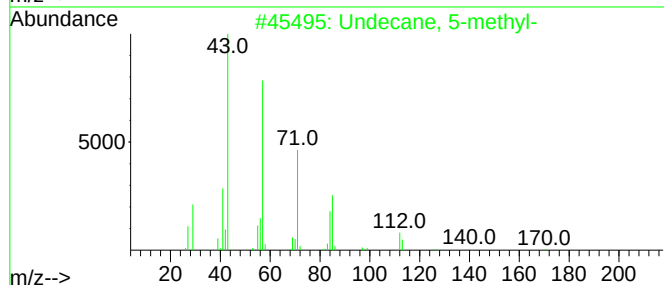
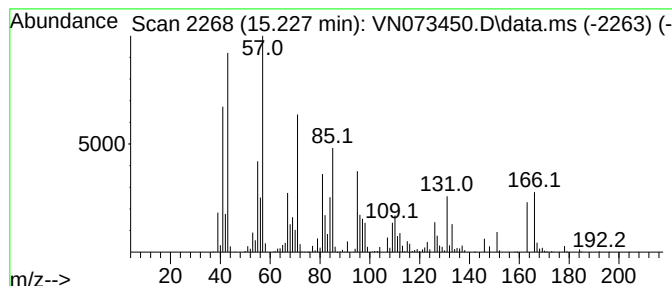
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Quant Title : SW846 8260

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

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Peak Number 7 unknown15.227 Concentration Rank 9

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 15.227 | 96.02 ug/l | 2854700 | 1,4-Dichlorobenzene-d4 | 13.615 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Undecane, 5-methyl-                 | 170 | C12H26    | 001632-70-8  | 41   |
| 2    |    |   | Hexane, 2,3,4-trimethyl-            | 128 | C9H20     | 000921-47-1  | 38   |
| 3    |    |   | 1-Undecene, 4-methyl-               | 168 | C12H24    | 074630-39-0  | 35   |
| 4    |    |   | 2-Methyltetracosane                 | 352 | C25H52    | 001560-78-7  | 30   |
| 5    |    |   | Sulfurous acid, 2-ethylhexyl iso... | 278 | C14H30O3S | 1000309-19-0 | 27   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071322\  
Data File : VN073450.D  
Acq On : 13 Jul 2022 15:25  
Operator : JC\MD  
Sample : N3619-01  
Misc : 1.22g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
31653

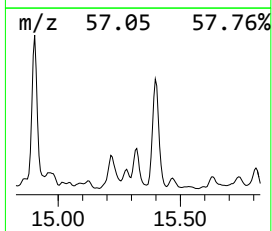
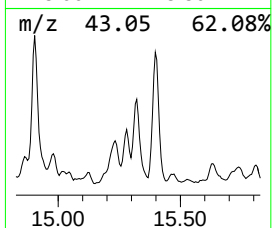
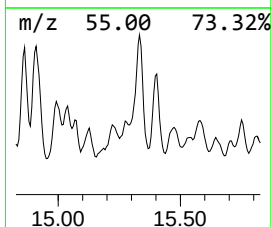
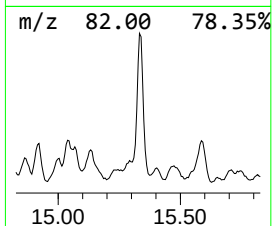
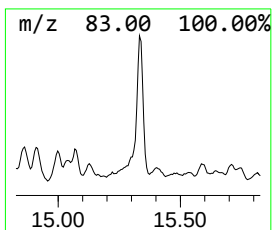
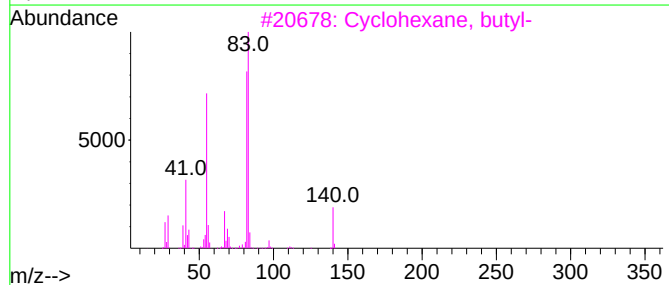
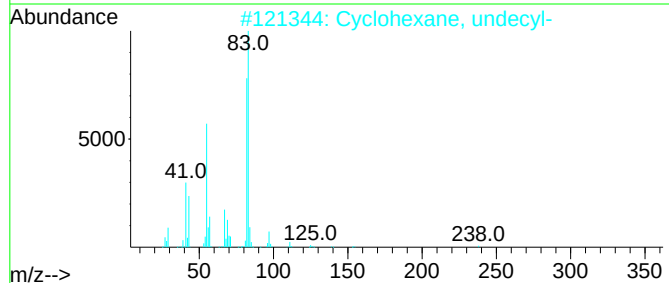
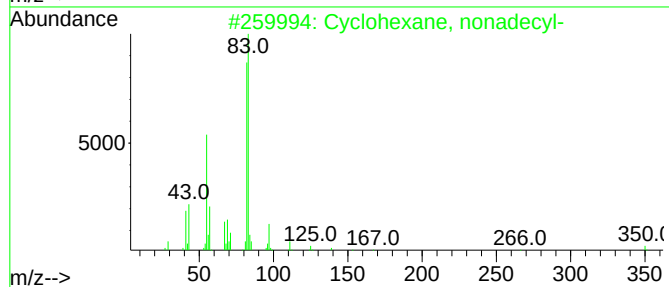
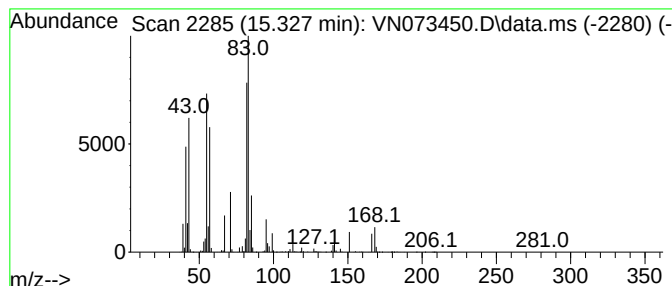
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Quant Title : SW846 8260

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

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Peak Number 8 Cyclohexane, nonadecyl- Concentration Rank 4

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.327 | 229.78 ug/l | 6831120 | 1,4-Dichlorobenzene-d4 | 13.615 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, nonadecyl- | 350 | C25H50  | 022349-03-7 | 59   |
| 2    |    |   | Cyclohexane, undecyl-   | 238 | C17H34  | 054105-66-7 | 59   |
| 3    |    |   | Cyclohexane, butyl-     | 140 | C10H20  | 001678-93-9 | 58   |
| 4    |    |   | Cyclohexane, propyl-    | 126 | C9H18   | 001678-92-8 | 53   |
| 5    |    |   | Cyclohexane, octadecyl- | 336 | C24H48  | 004445-06-1 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071322\  
Data File : VN073450.D  
Acq On : 13 Jul 2022 15:25  
Operator : JC\MD  
Sample : N3619-01  
Misc : 1.22g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Quant Title : SW846 8260

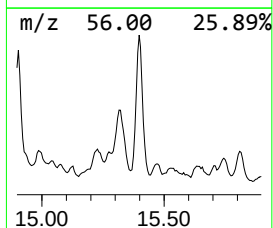
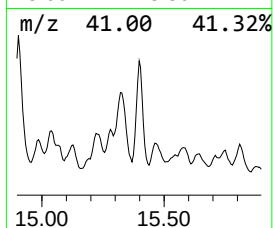
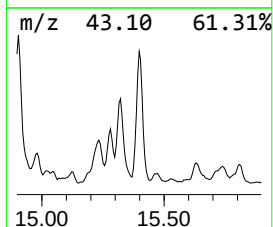
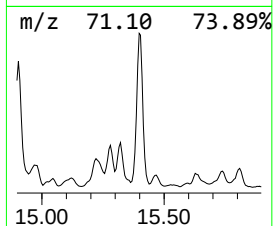
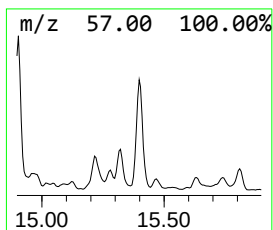
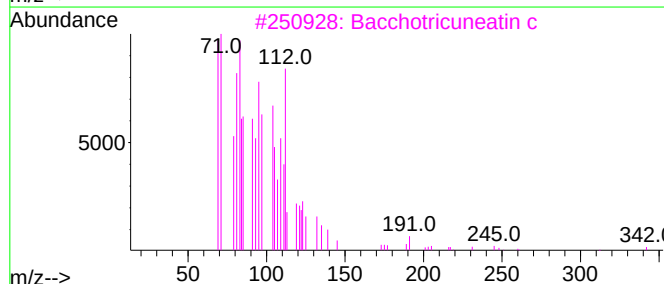
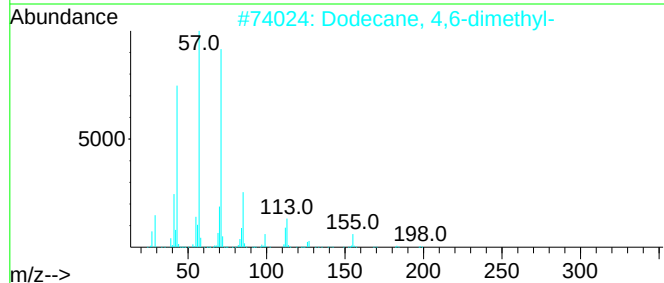
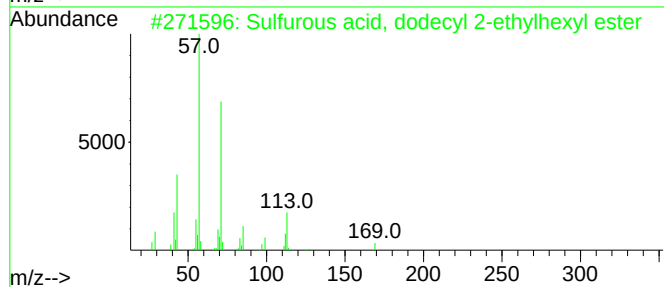
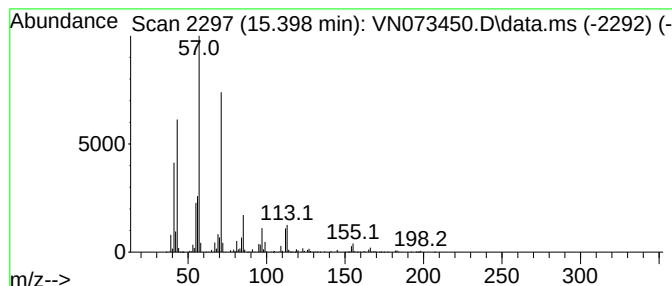
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Sulfurous acid, dodecyl 2-e... Concentration Rank 3

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.398 | 260.72 ug/l | 7751030 | 1,4-Dichlorobenzene-d4 | 13.615 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Sulfurous acid, dodecyl 2-ethylh... | 362 | C20H42O3S | 1000309-19-5 | 80   |
| 2    |    |   | Dodecane, 4,6-dimethyl-             | 198 | C14H30    | 061141-72-8  | 76   |
| 3    |    |   | Bacchotricuneatin c                 | 342 | C20H22O5  | 066563-30-2  | 74   |
| 4    |    |   | Undecane, 4,6-dimethyl-             | 184 | C13H28    | 017312-82-2  | 74   |
| 5    |    |   | Nonane, 4-methyl-5-propyl-          | 184 | C13H28    | 062185-55-1  | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071322\  
Data File : VN073450.D  
Acq On : 13 Jul 2022 15:25  
Operator : JC\MD  
Sample : N3619-01  
Misc : 1.22g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
31653

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

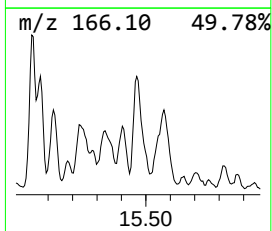
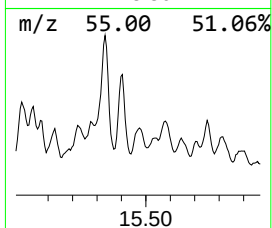
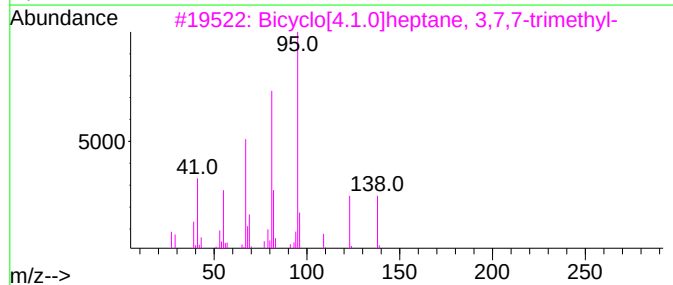
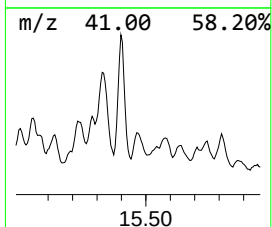
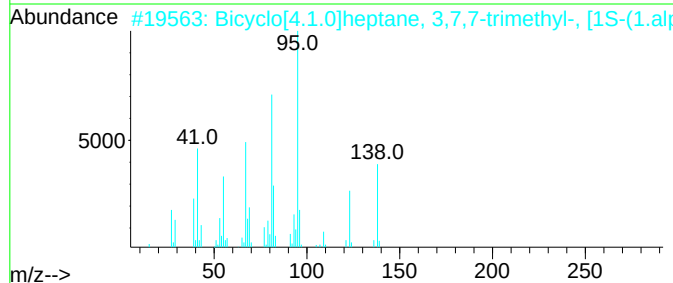
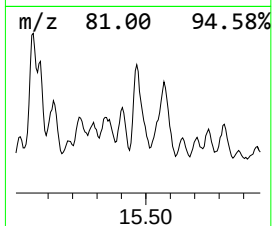
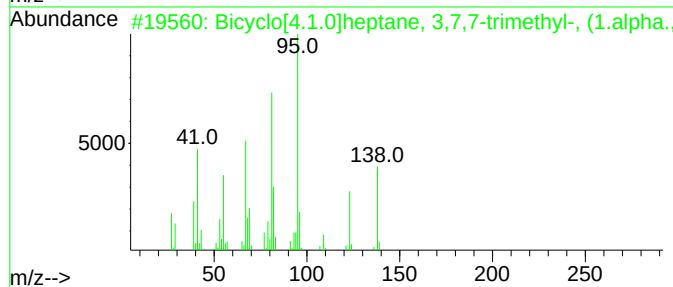
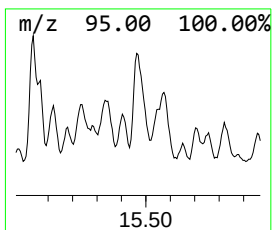
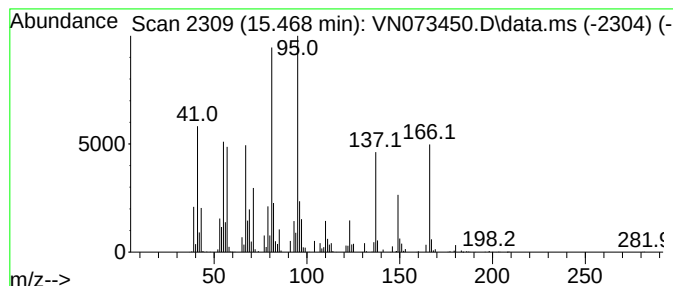
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Bicyclo[4.1.0]heptane, 3,7,... Concentration Rank 7

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.468 | 104.32 ug/l | 3101300 | 1,4-Dichlorobenzene-d4 | 13.615 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Bicyclo[4.1.0]heptane, 3,7,7-tri... | 138 | C10H18  | 018968-23-5 | 64   |
| 2    |    |   | Bicyclo[4.1.0]heptane, 3,7,7-tri... | 138 | C10H18  | 002778-68-9 | 64   |
| 3    |    |   | Bicyclo[4.1.0]heptane, 3,7,7-tri... | 138 | C10H18  | 000554-59-6 | 64   |
| 4    |    |   | Cyclohexane, 1-methyl-4-(1-methy... | 138 | C10H18  | 001124-27-2 | 64   |
| 5    |    |   | Cyclohexene, 4-methyl-1-(1-methy... | 138 | C10H18  | 000500-00-5 | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071322\  
Data File : VN073450.D  
Acq On : 13 Jul 2022 15:25  
Operator : JC\MD  
Sample : N3619-01  
Misc : 1.22g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
31653

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 |
| Undecane           | 13.933 | 125.2   | ug/l  | 3720860  | 4                     | 13.615 | 1486470 | 50.0 |
| Naphthalene, de... | 14.445 | 334.0   | ug/l  | 9929640  | 4                     | 13.615 | 1486470 | 50.0 |
| Undecane, 2-met... | 14.492 | 91.8    | ug/l  | 2728960  | 4                     | 13.615 | 1486470 | 50.0 |
| 1-Methyldecahyd... | 14.610 | 99.0    | ug/l  | 2944820  | 4                     | 13.615 | 1486470 | 50.0 |
| unknown14.862      | 14.862 | 144.3   | ug/l  | 4288570  | 4                     | 13.615 | 1486470 | 50.0 |
| Undecane, 3,6-d... | 14.904 | 353.8   | ug/l  | 10517000 | 4                     | 13.615 | 1486470 | 50.0 |
| unknown15.227      | 15.227 | 96.0    | ug/l  | 2854700  | 4                     | 13.615 | 1486470 | 50.0 |
| Cyclohexane, no... | 15.327 | 229.8   | ug/l  | 6831120  | 4                     | 13.615 | 1486470 | 50.0 |
| Sulfurous acid,... | 15.398 | 260.7   | ug/l  | 7751030  | 4                     | 13.615 | 1486470 | 50.0 |
| Bicyclo[4.1.0]h... | 15.468 | 104.3   | ug/l  | 3101300  | 4                     | 13.615 | 1486470 | 50.0 |