

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051222\  
 Data File : VN072463.D  
 Acq On : 12 May 2022 19:21  
 Operator : JC\MD  
 Sample : N2800-13  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DUP051122

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\82N051022W.M  
 Title : SW846 8260

Signal : TIC: VN072463.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         | 3.122       | 182           | 193         | 210          | rBV      | 399263         | 915957        | 14.76%          | 1.782%        |
| 2         | 3.510       | 248           | 259         | 272          | rBV      | 303500         | 740364        | 11.93%          | 1.441%        |
| 3         | 4.257       | 375           | 386         | 401          | rBV4     | 44881          | 175646        | 2.83%           | 0.342%        |
| 4         | 4.951       | 487           | 504         | 513          | rBV6     | 15660          | 69473         | 1.12%           | 0.135%        |
| 5         | 5.087       | 513           | 527         | 529          | rVV2     | 157705         | 484339        | 7.80%           | 0.942%        |
| 6         | 5.145       | 531           | 537         | 552          | rVV2     | 326134         | 1187703       | 19.13%          | 2.311%        |
| 7         | 5.257       | 554           | 556         | 574          | rVB6     | 31606          | 84823         | 1.37%           | 0.165%        |
| 8         | 5.622       | 603           | 618         | 635          | rBV2     | 289900         | 1001235       | 16.13%          | 1.948%        |
| 9         | 5.963       | 659           | 676         | 689          | rVB3     | 38215          | 137464        | 2.21%           | 0.267%        |
| 10        | 6.116       | 689           | 702         | 714          | rBV2     | 139954         | 425251        | 6.85%           | 0.827%        |
| 11        | 6.281       | 719           | 730         | 739          | rBV4     | 23678          | 67933         | 1.09%           | 0.132%        |
| 12        | 6.398       | 739           | 750         | 759          | rBV2     | 61407          | 204305        | 3.29%           | 0.398%        |
| 13        | 6.734       | 794           | 807         | 826          | rVB4     | 40999          | 161379        | 2.60%           | 0.314%        |
| 14        | 6.904       | 826           | 836         | 844          | rBV4     | 22813          | 68266         | 1.10%           | 0.133%        |
| 15        | 7.045       | 852           | 860         | 867          | rBV3     | 22975          | 65731         | 1.06%           | 0.128%        |
| 16        | 7.145       | 867           | 877         | 891          | rVB      | 589591         | 1721900       | 27.74%          | 3.350%        |
| 17        | 8.022       | 1015          | 1026        | 1030         | rBV2     | 155244         | 380104        | 6.12%           | 0.740%        |
| 18        | 8.086       | 1030          | 1037        | 1046         | rVV2     | 527535         | 1404877       | 22.63%          | 2.733%        |
| 19        | 8.175       | 1046          | 1052        | 1062         | rVB3     | 107637         | 289826        | 4.67%           | 0.564%        |
| 20        | 8.292       | 1062          | 1072        | 1078         | rBV2     | 61448          | 145627        | 2.35%           | 0.283%        |
| 21        | 8.433       | 1089          | 1096        | 1107         | rBV      | 183427         | 426527        | 6.87%           | 0.830%        |
| 22        | 8.575       | 1111          | 1120        | 1123         | rBV4     | 82391          | 207549        | 3.34%           | 0.404%        |
| 23        | 8.628       | 1123          | 1129        | 1137         | rVV3     | 96589          | 293019        | 4.72%           | 0.570%        |
| 24        | 8.710       | 1137          | 1143        | 1153         | rVB3     | 79332          | 191036        | 3.08%           | 0.372%        |
| 25        | 8.828       | 1153          | 1163        | 1166         | rBV4     | 21851          | 62090         | 1.00%           | 0.121%        |
| 26        | 8.963       | 1175          | 1186        | 1194         | rBV      | 451449         | 988192        | 15.92%          | 1.923%        |
| 27        | 9.457       | 1253          | 1270        | 1286         | rBV2     | 318333         | 888040        | 14.31%          | 1.728%        |
| 28        | 9.639       | 1295          | 1301        | 1309         | rVB3     | 59290          | 112489        | 1.81%           | 0.219%        |
| 29        | 9.880       | 1337          | 1342        | 1351         | rVB2     | 58041          | 116948        | 1.88%           | 0.228%        |
| 30        | 10.016      | 1359          | 1365        | 1371         | rVB2     | 82005          | 175290        | 2.82%           | 0.341%        |
| 31        | 10.227      | 1390          | 1401        | 1410         | rBV6     | 22501          | 83764         | 1.35%           | 0.163%        |
| 32        | 10.439      | 1429          | 1437        | 1445         | rBV      | 666371         | 1251533       | 20.16%          | 2.435%        |
| 33        | 10.545      | 1450          | 1455        | 1461         | rVV2     | 40082          | 88963         | 1.43%           | 0.173%        |
| 34        | 10.857      | 1501          | 1508        | 1518         | rVB4     | 34750          | 89074         | 1.44%           | 0.173%        |
| 35        | 11.739      | 1649          | 1658        | 1669         | rBV      | 576892         | 1072051       | 17.27%          | 2.086%        |
| 36        | 11.839      | 1669          | 1675        | 1685         | rVB2     | 124791         | 257796        | 4.15%           | 0.502%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051222\  
 Data File : VN072463.D  
 Acq On : 12 May 2022 19:21  
 Operator : JC\MD  
 Sample : N2800-13  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DUP051122

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\82N051022W.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 37 | 11.945 | 1685 | 1693 | 1708 | rBV  | 1826537 | 3525928 | 56.80%  | 6.860%  |
| 38 | 12.274 | 1738 | 1749 | 1758 | rBV  | 2231386 | 3782339 | 60.93%  | 7.359%  |
| 39 | 12.574 | 1794 | 1800 | 1807 | rVB  | 199999  | 329607  | 5.31%   | 0.641%  |
| 40 | 12.727 | 1819 | 1826 | 1837 | rBV  | 480305  | 812749  | 13.09%  | 1.581%  |
| 41 | 12.916 | 1852 | 1858 | 1863 | rBV  | 100316  | 153586  | 2.47%   | 0.299%  |
| 42 | 12.980 | 1863 | 1869 | 1871 | rVV  | 906461  | 1444570 | 23.27%  | 2.811%  |
| 43 | 13.010 | 1871 | 1874 | 1878 | rVV  | 968081  | 1566322 | 25.23%  | 3.048%  |
| 44 | 13.057 | 1878 | 1882 | 1889 | rVB  | 1482609 | 2342491 | 37.74%  | 4.558%  |
| 45 | 13.215 | 1902 | 1909 | 1918 | rVB  | 1235879 | 1995832 | 32.15%  | 3.883%  |
| 46 | 13.363 | 1925 | 1934 | 1942 | rBV  | 3826917 | 6207187 | 100.00% | 12.077% |
| 47 | 13.498 | 1948 | 1957 | 1962 | rVB2 | 67180   | 151875  | 2.45%   | 0.296%  |
| 48 | 13.557 | 1962 | 1967 | 1972 | rBV  | 167739  | 255008  | 4.11%   | 0.496%  |
| 49 | 13.610 | 1972 | 1976 | 1980 | rVB  | 50134   | 68667   | 1.11%   | 0.134%  |
| 50 | 13.698 | 1987 | 1991 | 1999 | rVB  | 1306402 | 2246385 | 36.19%  | 4.371%  |
| 51 | 13.833 | 2007 | 2014 | 2016 | rBV  | 224519  | 341543  | 5.50%   | 0.665%  |
| 52 | 13.863 | 2016 | 2019 | 2022 | rVV  | 319544  | 516115  | 8.31%   | 1.004%  |
| 53 | 13.904 | 2022 | 2026 | 2037 | rVB2 | 681792  | 1360468 | 21.92%  | 2.647%  |
| 54 | 13.998 | 2037 | 2042 | 2047 | rBV2 | 64876   | 96798   | 1.56%   | 0.188%  |
| 55 | 14.062 | 2047 | 2053 | 2058 | rBV  | 227694  | 362277  | 5.84%   | 0.705%  |
| 56 | 14.127 | 2058 | 2064 | 2066 | rVV  | 456521  | 736733  | 11.87%  | 1.433%  |
| 57 | 14.157 | 2066 | 2069 | 2073 | rVV  | 422683  | 635681  | 10.24%  | 1.237%  |
| 58 | 14.210 | 2073 | 2078 | 2085 | rVB  | 704557  | 1078005 | 17.37%  | 2.097%  |
| 59 | 14.321 | 2091 | 2097 | 2106 | rVB2 | 412895  | 690698  | 11.13%  | 1.344%  |
| 60 | 14.451 | 2114 | 2119 | 2126 | rVB  | 183186  | 289244  | 4.66%   | 0.563%  |
| 61 | 14.533 | 2126 | 2133 | 2136 | rBV  | 436967  | 689374  | 11.11%  | 1.341%  |
| 62 | 14.574 | 2136 | 2140 | 2145 | rVV  | 592530  | 906295  | 14.60%  | 1.763%  |
| 63 | 14.804 | 2175 | 2179 | 2184 | rVV2 | 112775  | 194194  | 3.13%   | 0.378%  |
| 64 | 14.909 | 2191 | 2197 | 2205 | rBV3 | 250211  | 537213  | 8.65%   | 1.045%  |
| 65 | 14.980 | 2205 | 2209 | 2219 | rVB4 | 35646   | 83900   | 1.35%   | 0.163%  |
| 66 | 15.080 | 2219 | 2226 | 2234 | rBV3 | 42967   | 91013   | 1.47%   | 0.177%  |
| 67 | 15.192 | 2234 | 2245 | 2256 | rVV4 | 118660  | 352602  | 5.68%   | 0.686%  |
| 68 | 15.309 | 2257 | 2265 | 2274 | rVB3 | 103569  | 249254  | 4.02%   | 0.485%  |
| 69 | 15.504 | 2290 | 2298 | 2306 | rVV  | 376835  | 731643  | 11.79%  | 1.424%  |
| 70 | 15.609 | 2310 | 2316 | 2321 | rBV5 | 35226   | 68741   | 1.11%   | 0.134%  |
| 71 | 15.798 | 2340 | 2348 | 2355 | rBV2 | 38828   | 75947   | 1.22%   | 0.148%  |
| 72 | 15.974 | 2371 | 2378 | 2390 | rVB4 | 31612   | 86255   | 1.39%   | 0.168%  |
| 73 | 16.609 | 2479 | 2486 | 2499 | rVB  | 130838  | 302433  | 4.87%   | 0.588%  |

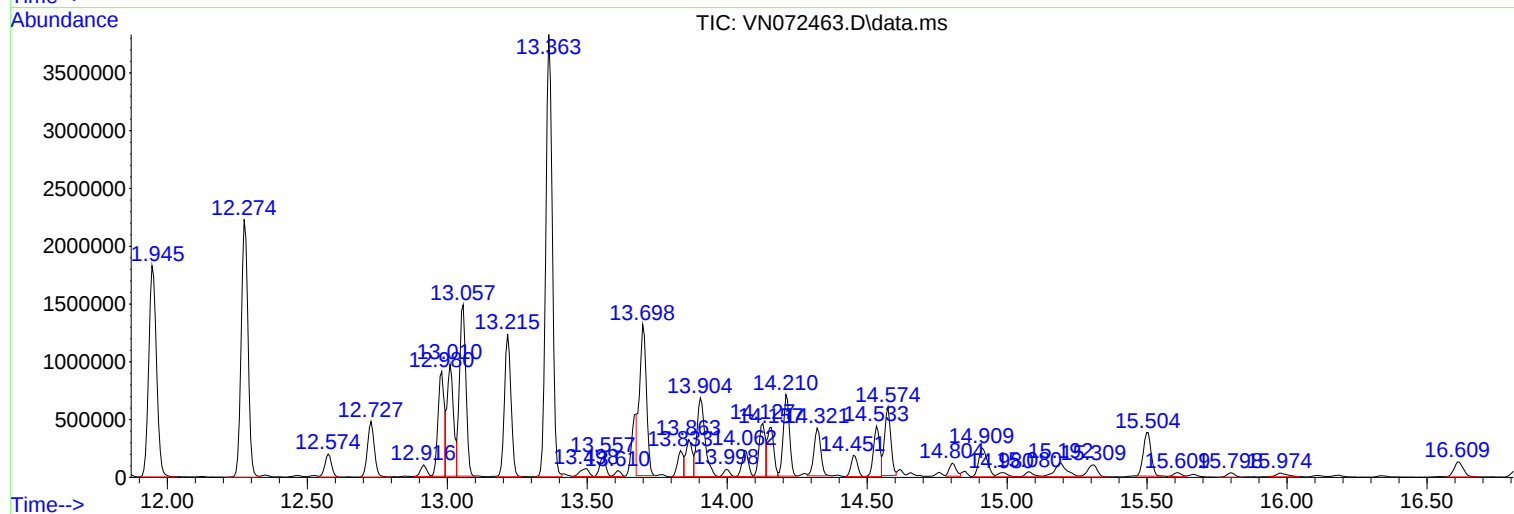
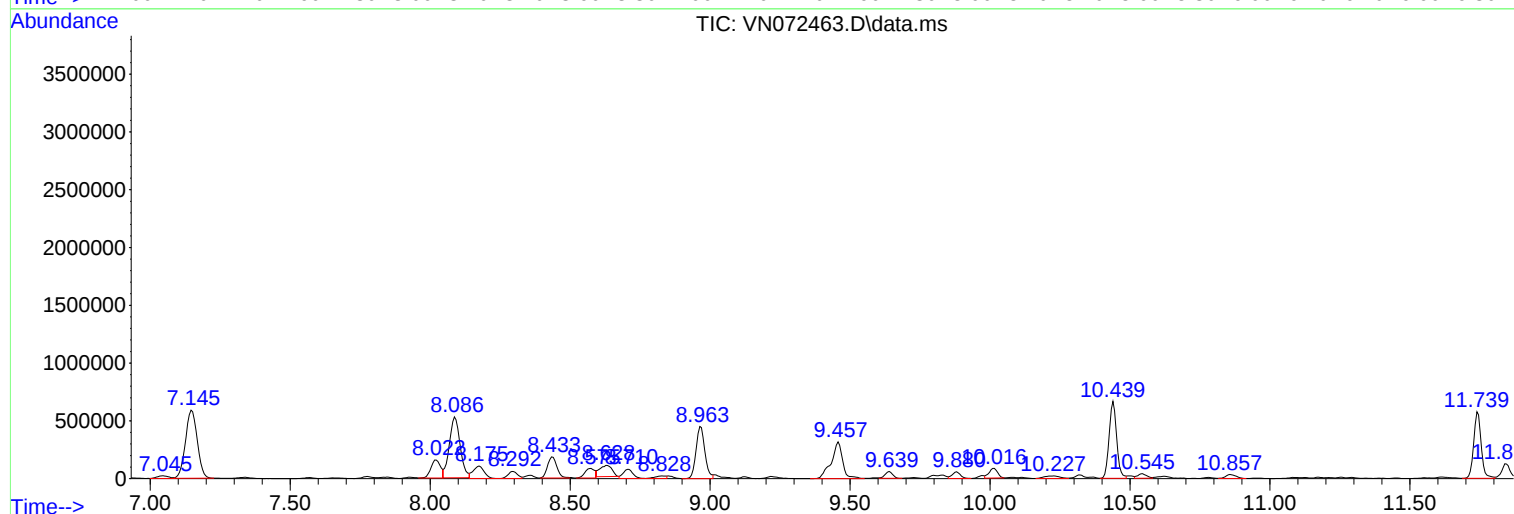
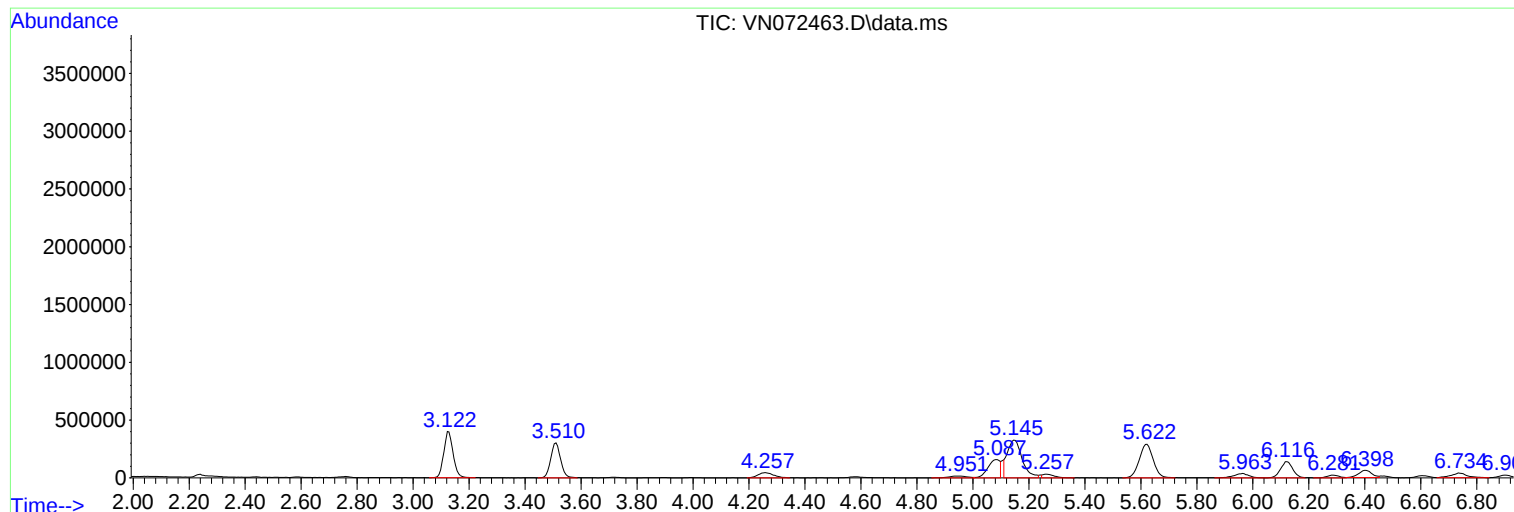
Sum of corrected areas: 51395536

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051222\  
Data File : VN072463.D  
Acq On : 12 May 2022 19:21  
Operator : JC\MD  
Sample : N2800-13  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
DUP051122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051022W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051222\  
Data File : VN072463.D  
Acq On : 12 May 2022 19:21  
Operator : JC\MD  
Sample : N2800-13  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
DUP051122

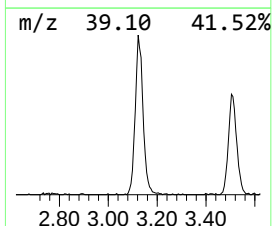
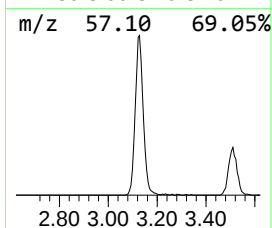
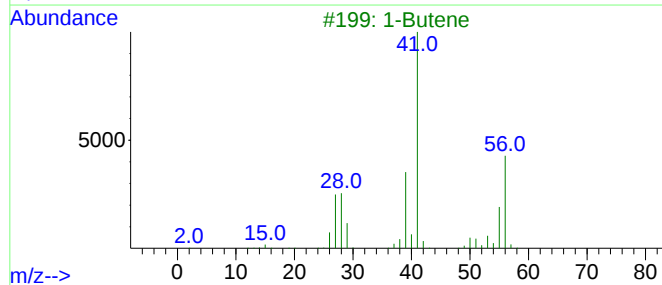
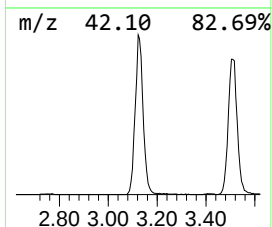
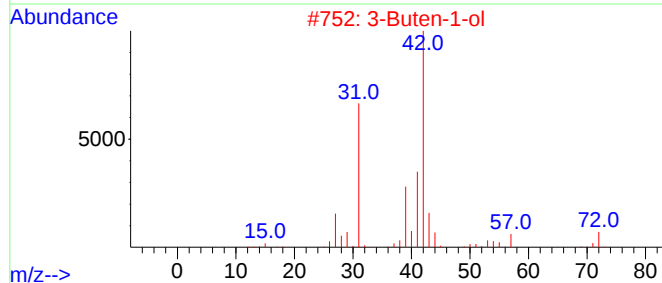
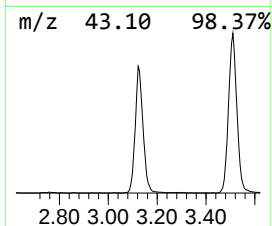
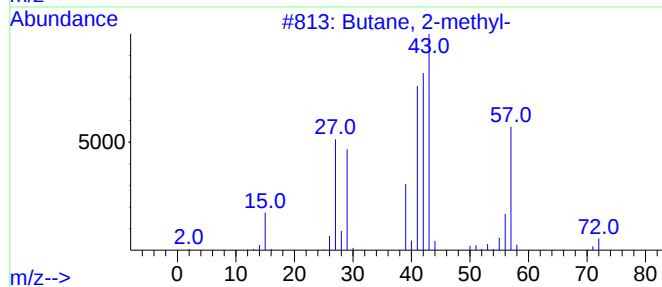
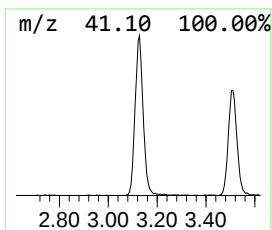
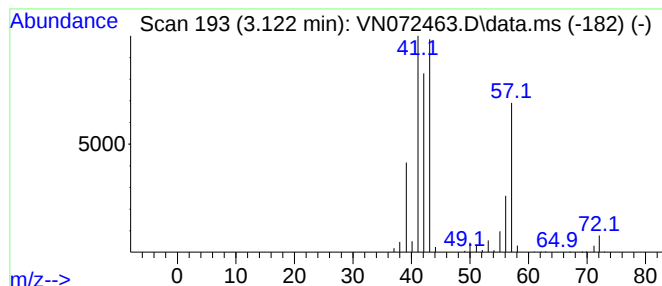
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051022W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 1 Butane, 2-methyl- Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 3.122 | 32.60 ug/l | 915957 | Pentafluorobenzene | 8.081 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methyl-          | 72  | C5H12   | 000078-78-4 | 58   |
| 2    |    |   | 3-Buten-1-ol               | 72  | C4H8O   | 000627-27-0 | 38   |
| 3    |    |   | 1-Butene                   | 56  | C4H8    | 000106-98-9 | 35   |
| 4    |    |   | 1-Propene, 2-methyl-       | 56  | C4H8    | 000115-11-7 | 27   |
| 5    |    |   | Butane, 2-chloro-3-methyl- | 106 | C5H11Cl | 000631-65-2 | 17   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051222\  
Data File : VN072463.D  
Acq On : 12 May 2022 19:21  
Operator : JC\MD  
Sample : N2800-13  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
DUP051122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051022W.M  
Quant Title : SW846 8260

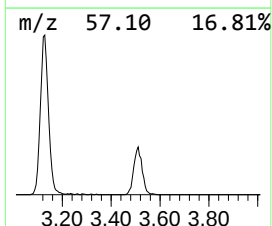
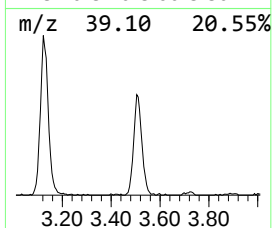
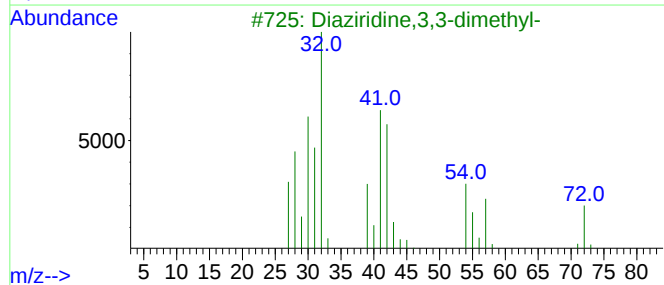
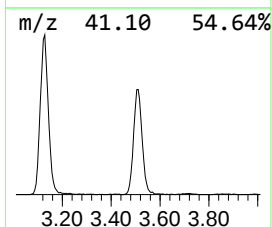
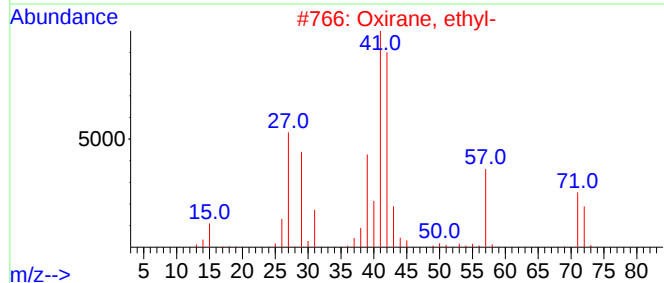
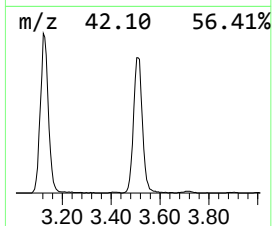
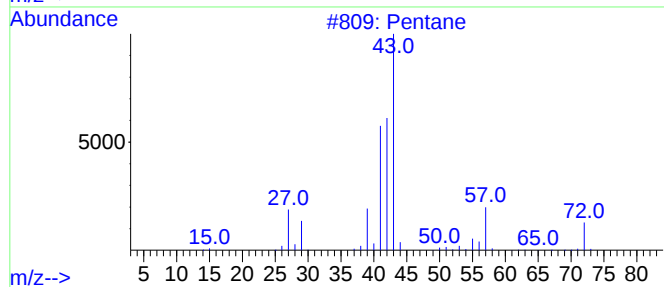
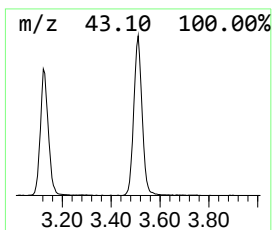
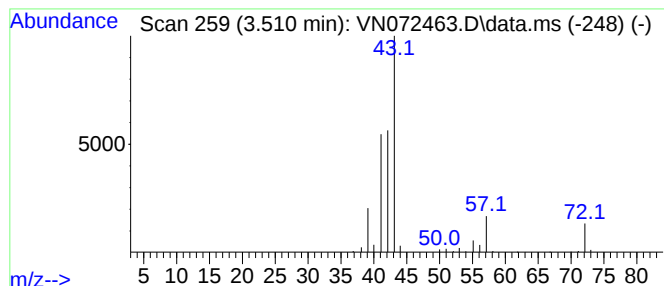
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Pentane Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 3.510 | 26.35 ug/l | 740364 | Pentafluorobenzene | 8.081 |

| Hit# | of                                | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-----------------------------------|---|--------------|-----|---------|-------------|------|
| 1    | Pentane                           |   |              | 72  | C5H12   | 000109-66-0 | 91   |
| 2    | Oxirane, ethyl-                   |   |              | 72  | C4H8O   | 000106-88-7 | 50   |
| 3    | Diaziridine,3,3-dimethyl-         |   |              | 72  | C3H8N2  | 004901-76-2 | 37   |
| 4    | 2(3H)-Furanone, dihydro-4-methyl- |   |              | 100 | C5H8O2  | 001679-49-8 | 25   |
| 5    | 1-Propene, 2-methoxy-             |   |              | 72  | C4H8O   | 000116-11-0 | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051222\  
Data File : VN072463.D  
Acq On : 12 May 2022 19:21  
Operator : JC\MD  
Sample : N2800-13  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
DUP051122

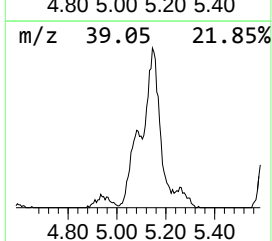
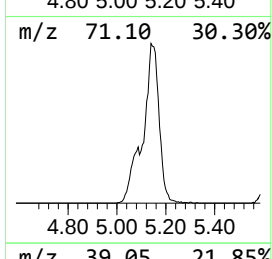
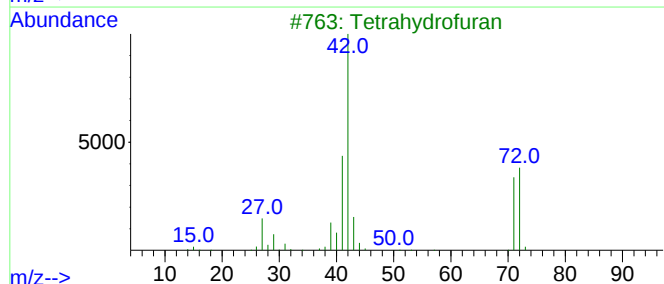
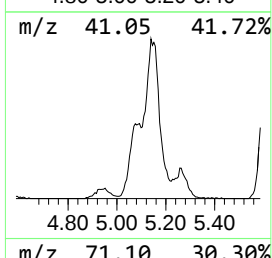
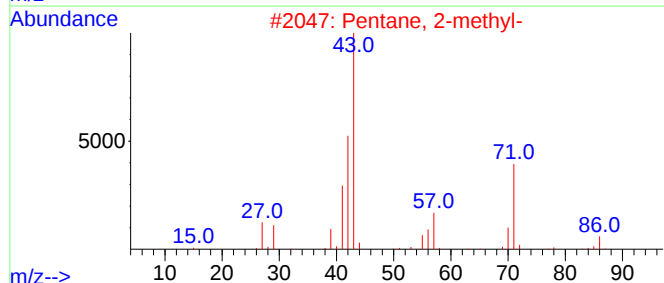
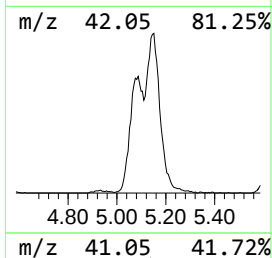
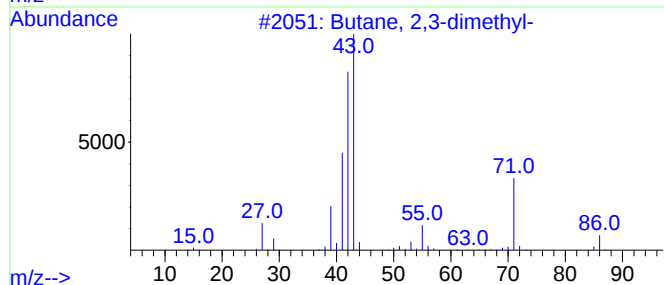
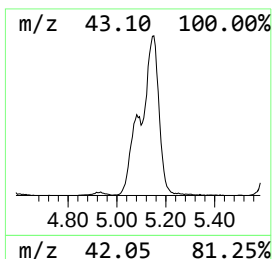
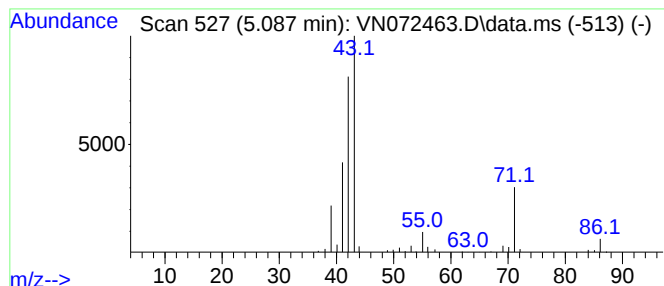
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051022W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Butane, 2,3-dimethyl- Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 5.087 | 17.24 ug/l | 484339 | Pentafluorobenzene | 8.081 |

| Hit# | of | 5 | Tentative ID               | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|----|---------|-------------|------|
| 1    |    |   | Butane, 2,3-dimethyl-      | 86 | C6H14   | 000079-29-8 | 91   |
| 2    |    |   | Pentane, 2-methyl-         | 86 | C6H14   | 000107-83-5 | 40   |
| 3    |    |   | Tetrahydrofuran            | 72 | C4H8O   | 000109-99-9 | 38   |
| 4    |    |   | 1,2,3-Trimethyldiaziridine | 86 | C4H10N2 | 113604-56-1 | 36   |
| 5    |    |   | Pentane                    | 72 | C5H12   | 000109-66-0 | 33   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051222\  
Data File : VN072463.D  
Acq On : 12 May 2022 19:21  
Operator : JC\MD  
Sample : N2800-13  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
DUP051122

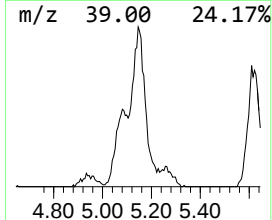
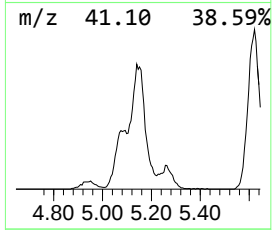
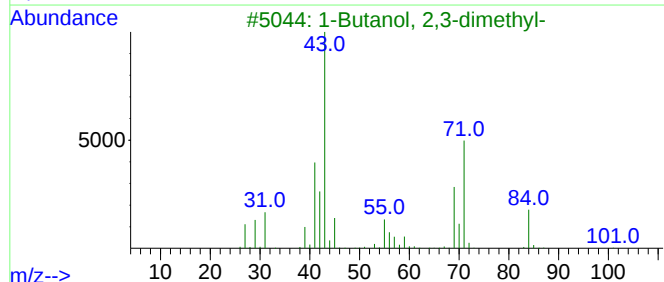
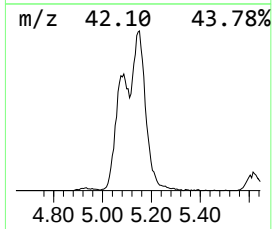
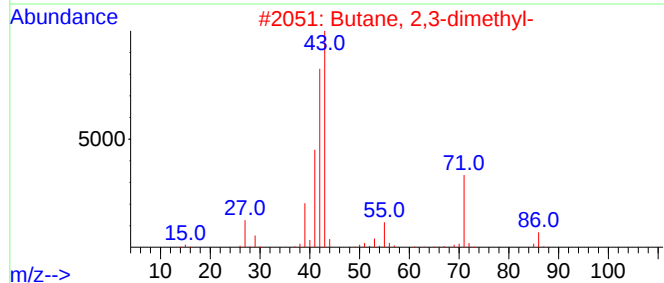
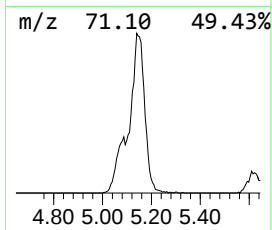
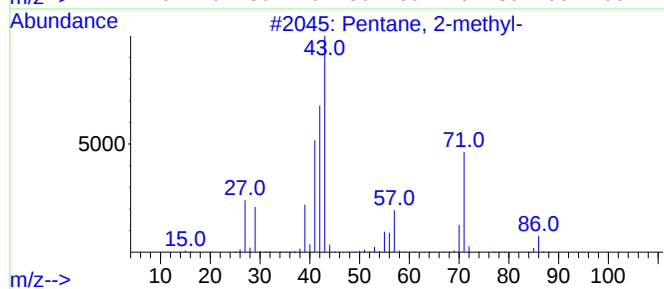
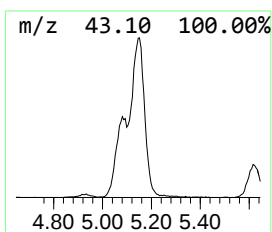
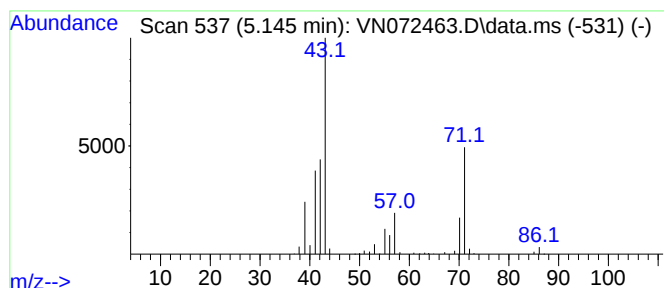
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051022W.M  
Quant Title : SW846 8260

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

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

| R.T.  | EstConc    | Area    | Relative to ISTD   | R.T.  |
|-------|------------|---------|--------------------|-------|
| 5.145 | 42.27 ug/l | 1187700 | Pentafluorobenzene | 8.081 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentane, 2-methyl-         | 86  | C6H14   | 000107-83-5 | 91   |
| 2    |    |   | Butane, 2,3-dimethyl-      | 86  | C6H14   | 000079-29-8 | 50   |
| 3    |    |   | 1-Butanol, 2,3-dimethyl-   | 102 | C6H14O  | 019550-30-2 | 42   |
| 4    |    |   | Pentane, 3-ethyl-2-methyl- | 114 | C8H18   | 000609-26-7 | 40   |
| 5    |    |   | Pentane, 3,3-dimethyl-     | 100 | C7H16   | 000562-49-2 | 40   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051222\  
Data File : VN072463.D  
Acq On : 12 May 2022 19:21  
Operator : JC\MD  
Sample : N2800-13  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
DUP051122

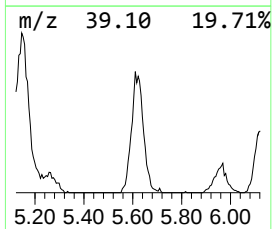
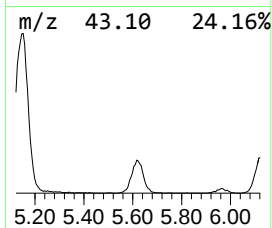
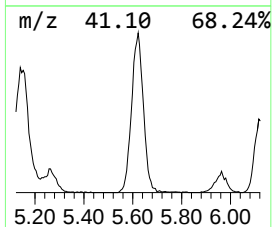
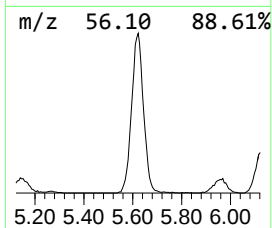
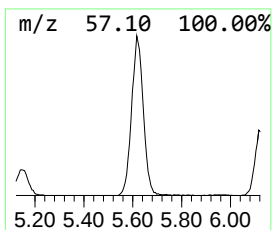
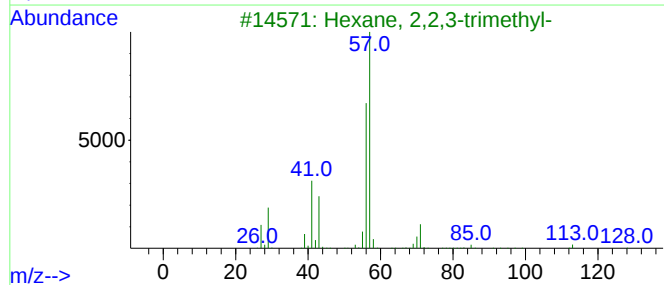
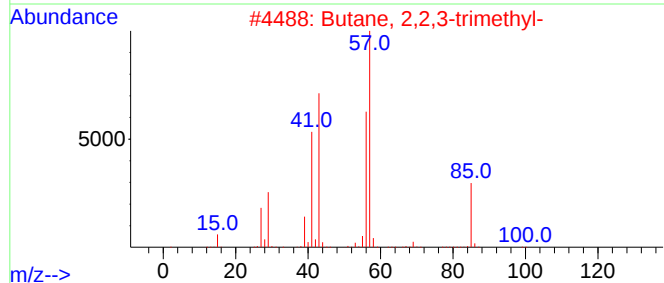
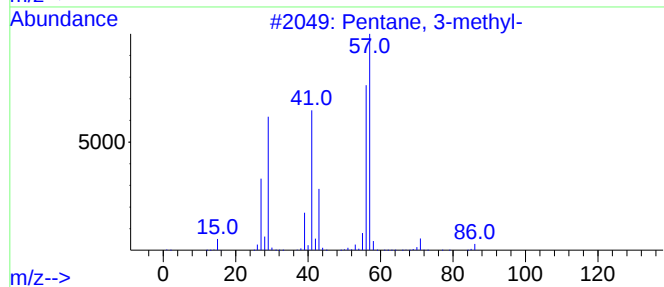
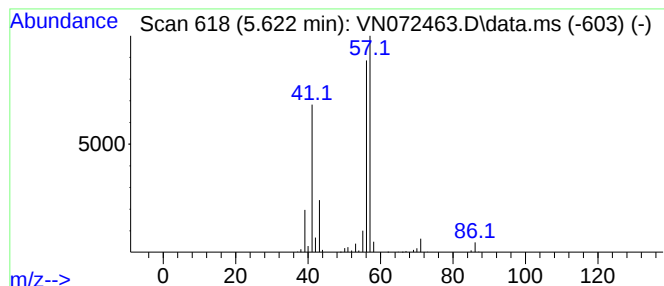
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051022W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Pentane, 3-methyl- Concentration Rank 4

| R.T.  | EstConc    | Area    | Relative to ISTD   | R.T.  |
|-------|------------|---------|--------------------|-------|
| 5.622 | 35.63 ug/l | 1001240 | Pentafluorobenzene | 8.081 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentane, 3-methyl-            | 86  | C6H14   | 000096-14-0 | 91   |
| 2    |    |   | Butane, 2,2,3-trimethyl-      | 100 | C7H16   | 000464-06-2 | 64   |
| 3    |    |   | Hexane, 2,2,3-trimethyl-      | 128 | C9H20   | 016747-25-4 | 64   |
| 4    |    |   | Hexane, 3,4-dimethyl-         | 114 | C8H18   | 000583-48-2 | 43   |
| 5    |    |   | Pentane, 2,2,4,4-tetramethyl- | 128 | C9H20   | 001070-87-7 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051222\  
Data File : VN072463.D  
Acq On : 12 May 2022 19:21  
Operator : JC\MD  
Sample : N2800-13  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
DUP051122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051022W.M  
Quant Title : SW846 8260

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

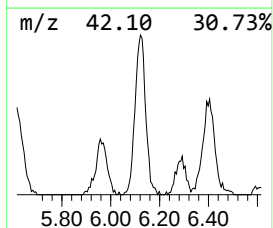
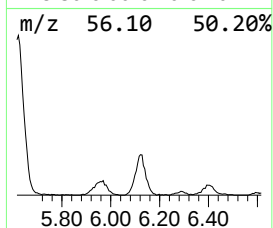
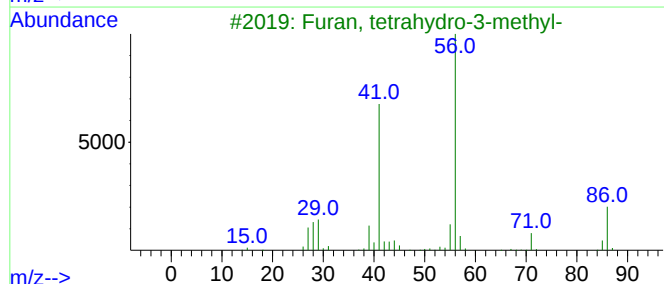
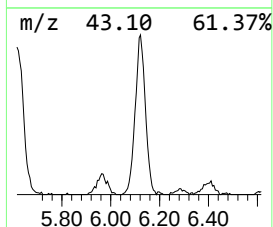
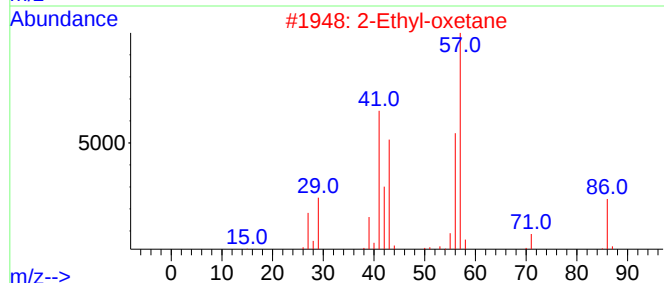
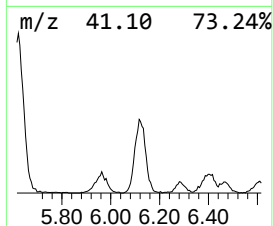
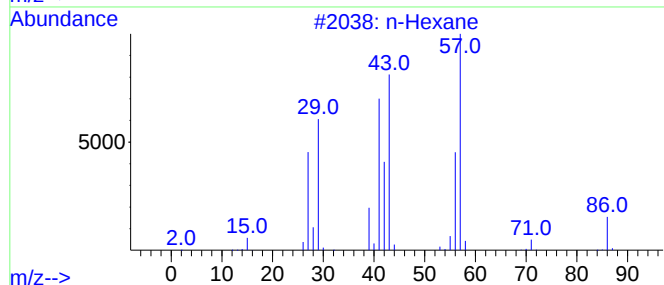
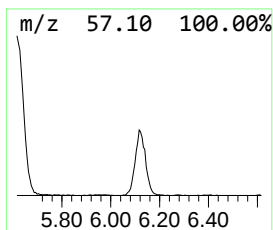
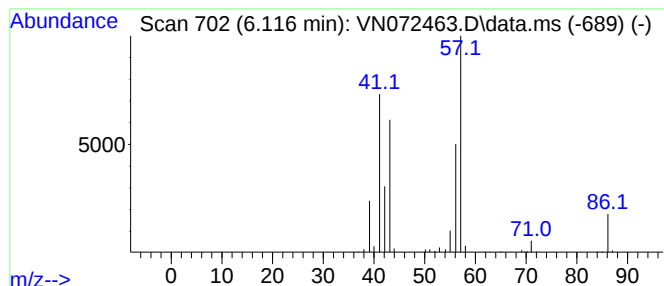
\*\*\*\*\*

Peak Number 6 n-Hexane Concentration Rank 14

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 6.116 | 15.13 ug/l | 425251 | Pentafluorobenzene | 8.081 |

| Hit# | of 5                          | Tentative ID | MW  | MolForm | CAS#         | Qual |
|------|-------------------------------|--------------|-----|---------|--------------|------|
| 1    | n-Hexane                      |              | 86  | C6H14   | 000110-54-3  | 83   |
| 2    | 2-Ethyl-oxetane               |              | 86  | C5H10O  | 1010386-40-2 | 59   |
| 3    | Furan, tetrahydro-3-methyl-   |              | 86  | C5H10O  | 013423-15-9  | 52   |
| 4    | Pentane, 2,2,3,4-tetramethyl- |              | 128 | C9H20   | 001186-53-4  | 47   |
| 5    | 3-Buten-1-ol, 3-methyl-       |              | 86  | C5H10O  | 000763-32-6  | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051222\  
Data File : VN072463.D  
Acq On : 12 May 2022 19:21  
Operator : JC\MD  
Sample : N2800-13  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
DUP051122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051022W.M  
Quant Title : SW846 8260

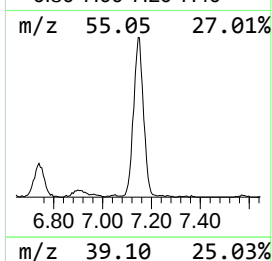
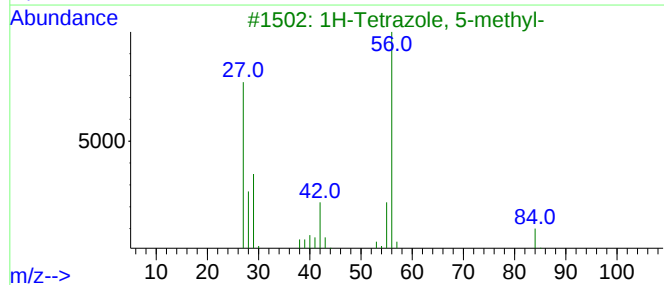
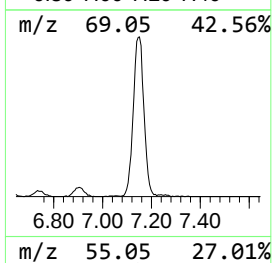
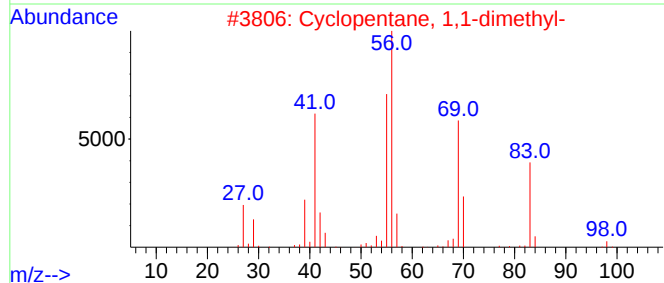
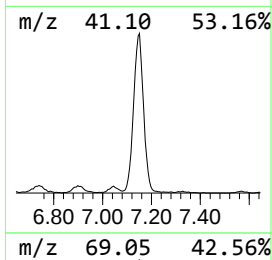
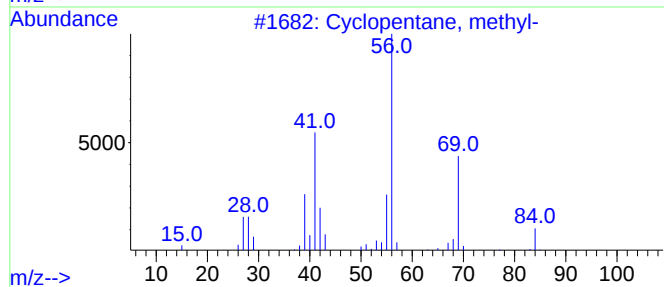
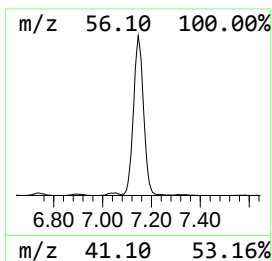
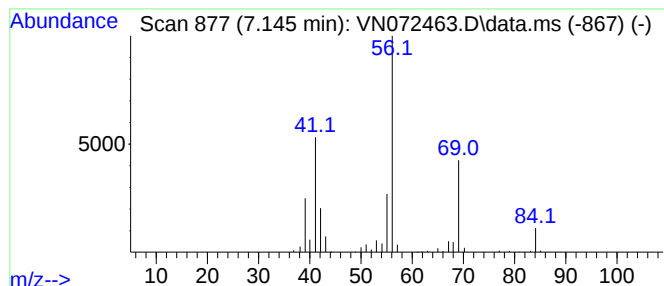
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Cyclopentane, methyl- Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD   | R.T.  |
|-------|------------|---------|--------------------|-------|
| 7.145 | 61.28 ug/l | 1721900 | Pentafluorobenzene | 8.081 |

| Hit# | of | 5 | Tentative ID                | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|----|---------|-------------|------|
| 1    |    |   | Cyclopentane, methyl-       | 84 | C6H12   | 000096-37-7 | 91   |
| 2    |    |   | Cyclopentane, 1,1-dimethyl- | 98 | C7H14   | 001638-26-2 | 72   |
| 3    |    |   | 1H-Tetrazole, 5-methyl-     | 84 | C2H4N4  | 004076-36-2 | 72   |
| 4    |    |   | Cyclobutane, ethyl-         | 84 | C6H12   | 004806-61-5 | 64   |
| 5    |    |   | Cyclobutane                 | 56 | C4H8    | 000287-23-0 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051222\  
Data File : VN072463.D  
Acq On : 12 May 2022 19:21  
Operator : JC\MD  
Sample : N2800-13  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
DUP051122

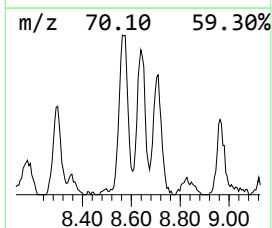
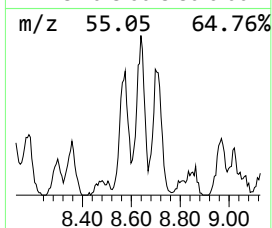
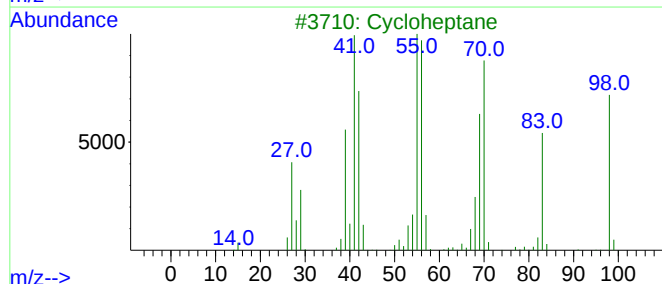
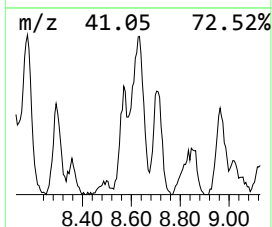
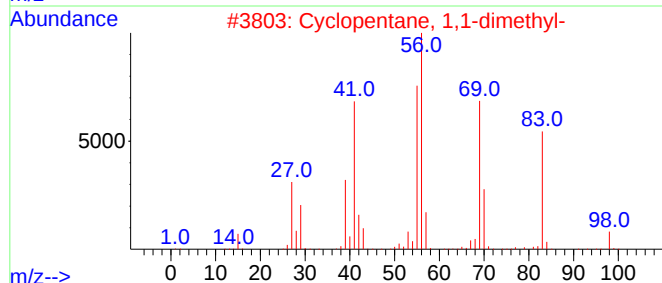
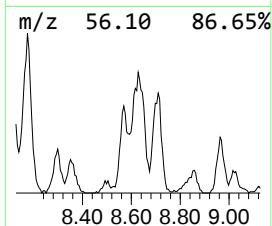
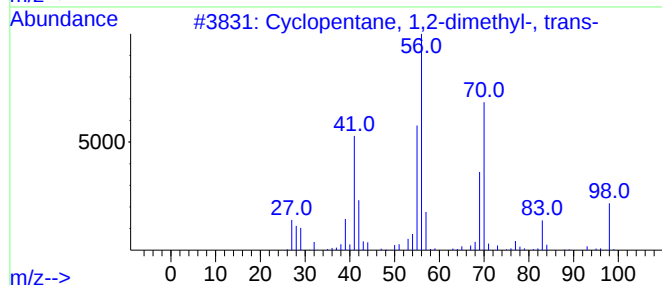
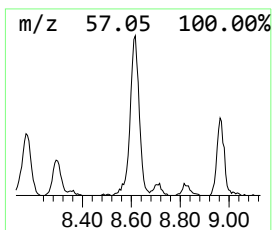
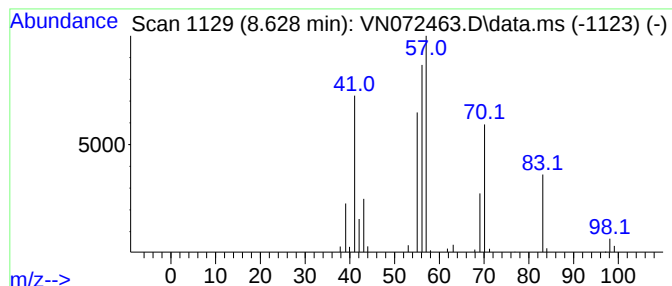
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051022W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*

Peak Number 8 Cyclopentane, 1,2-dimethyl-... Concentration Rank 15

| R.T.      | EstConc                             | Area   | Relative to ISTD    | R.T.        |      |
|-----------|-------------------------------------|--------|---------------------|-------------|------|
| 8.628     | 14.83 ug/l                          | 293019 | 1,4-Difluorobenzene | 8.969       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm             | CAS#        | Qual |
| 1         | Cyclopentane, 1,2-dimethyl-, trans- | 98     | C7H14               | 000822-50-4 | 72   |
| 2         | Cyclopentane, 1,1-dimethyl-         | 98     | C7H14               | 001638-26-2 | 59   |
| 3         | Cycloheptane                        | 98     | C7H14               | 000291-64-5 | 50   |
| 4         | 1-Hexene, 4-methyl-                 | 98     | C7H14               | 003769-23-1 | 50   |
| 5         | 2-Heptene                           | 98     | C7H14               | 000592-77-8 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051222\  
Data File : VN072463.D  
Acq On : 12 May 2022 19:21  
Operator : JC\MD  
Sample : N2800-13  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
DUP051122

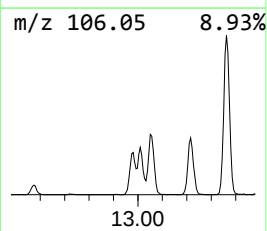
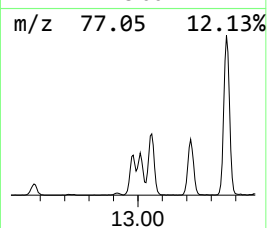
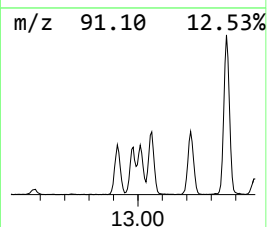
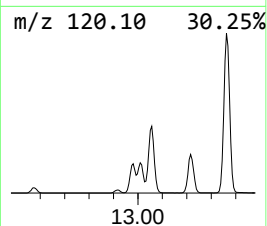
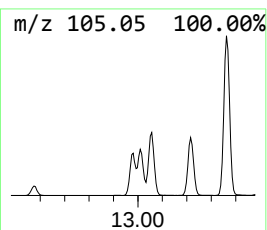
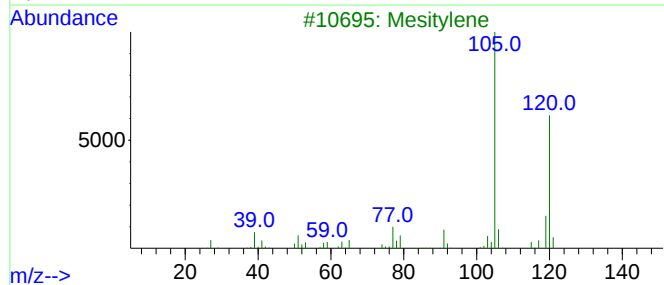
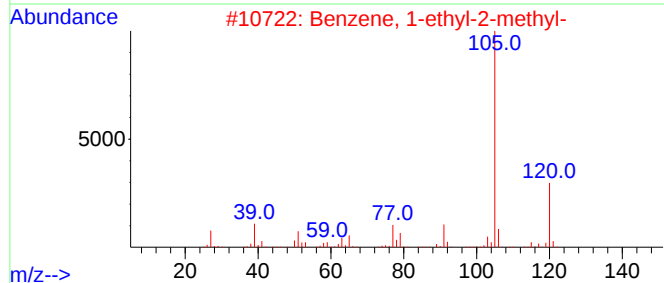
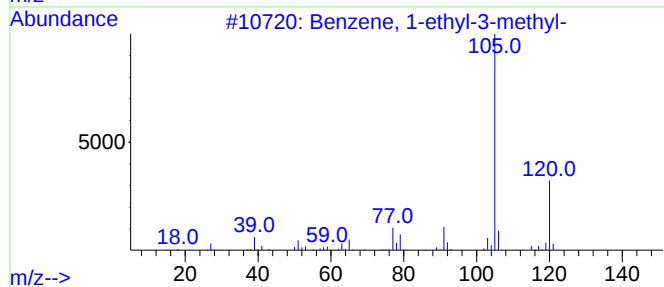
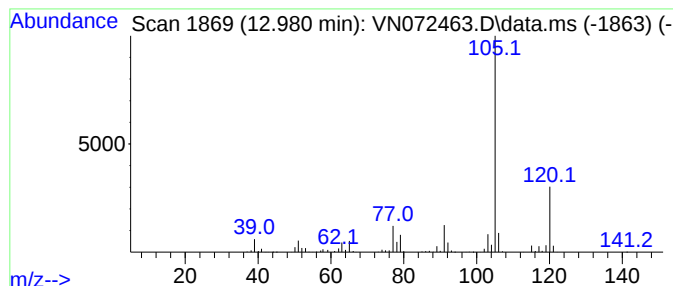
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051022W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 Benzene, 1-ethyl-3-methyl- Concentration Rank 6

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 12.980 | 32.15 ug/l | 1444570 | 1,4-Dichlorobenzene-d4 | 13.668 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 97   |
| 2    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 3    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 4    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |
| 5    |    |   | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051222\  
Data File : VN072463.D  
Acq On : 12 May 2022 19:21  
Operator : JC\MD  
Sample : N2800-13  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
DUP051122

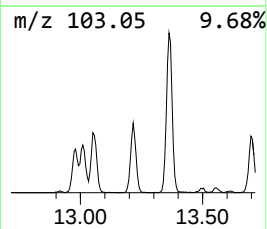
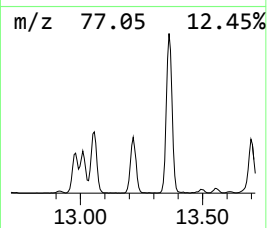
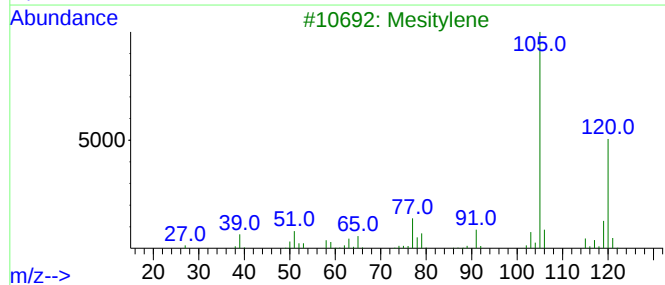
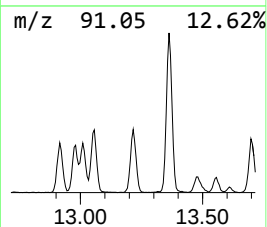
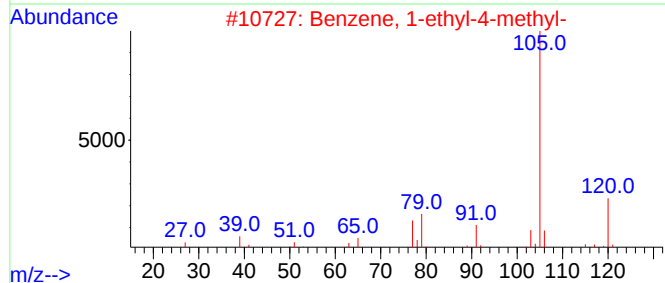
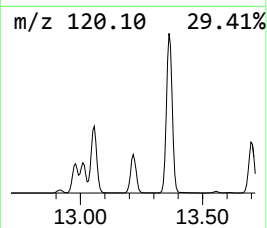
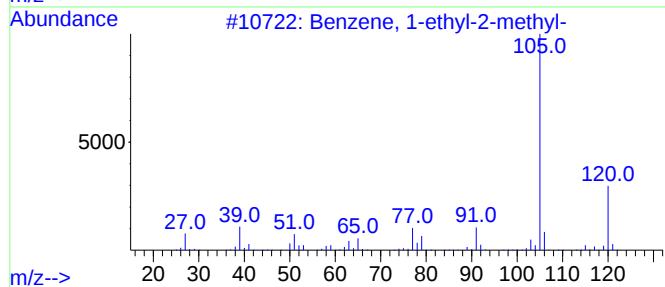
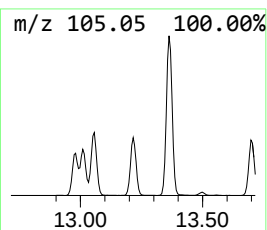
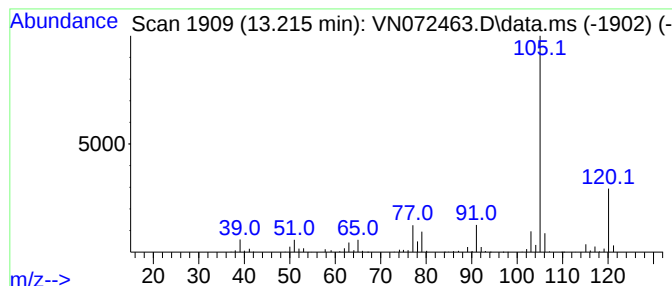
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051022W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 13.216 | 44.42 ug/l | 1995830 | 1,4-Dichlorobenzene-d4 | 13.668 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 94   |
| 2    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 93   |
| 3    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 4    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |
| 5    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051222\  
Data File : VN072463.D  
Acq On : 12 May 2022 19:21  
Operator : JC\MD  
Sample : N2800-13  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
DUP051122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051022W.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 |
| Butane, 2-methyl-  | 3.122  | 32.6    | ug/l  | 915957   | 1                     | 8.081  | 1404880 | 50.0 |
| Pentane            | 3.510  | 26.4    | ug/l  | 740364   | 1                     | 8.081  | 1404880 | 50.0 |
| Butane, 2,3-dim... | 5.087  | 17.2    | ug/l  | 484339   | 1                     | 8.081  | 1404880 | 50.0 |
| Pentane, 2-methyl- | 5.145  | 42.3    | ug/l  | 1187700  | 1                     | 8.081  | 1404880 | 50.0 |
| Pentane, 3-methyl- | 5.622  | 35.6    | ug/l  | 1001240  | 1                     | 8.081  | 1404880 | 50.0 |
| n-Hexane           | 6.116  | 15.1    | ug/l  | 425251   | 1                     | 8.081  | 1404880 | 50.0 |
| Cyclopentane, m... | 7.145  | 61.3    | ug/l  | 1721900  | 1                     | 8.081  | 1404880 | 50.0 |
| Cyclopentane, 1... | 8.628  | 14.8    | ug/l  | 293019   | 2                     | 8.969  | 988192  | 50.0 |
| Benzene, 1-ethy... | 12.980 | 32.1    | ug/l  | 1444570  | 4                     | 13.668 | 2246390 | 50.0 |
| Benzene, 1-ethy... | 13.216 | 44.4    | ug/l  | 1995830  | 4                     | 13.668 | 2246390 | 50.0 |