

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\  
 Data File : VY001496.D  
 Acq On : 04 Feb 2020 18:50  
 Operator : SY/MD  
 Sample : L1329-22  
 Misc : 5.05G/5ML/MSVOA Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 628-629

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y020420S.M  
 Title : SW846 8260

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 1.871    | 18         | 22       | 32        | rVB4  | 4883        | 8355       | 1.36%        | 0.086%     |
| 2      | 2.231    | 77         | 81       | 89        | rVB3  | 5606        | 9617       | 1.56%        | 0.098%     |
| 3      | 3.981    | 361        | 368      | 380       | rVB2  | 2980        | 8017       | 1.30%        | 0.082%     |
| 4      | 4.743    | 484        | 493      | 505       | rBV2  | 9281        | 29059      | 4.71%        | 0.297%     |
| 5      | 5.767    | 654        | 661      | 676       | rVB4  | 2600        | 8920       | 1.45%        | 0.091%     |
| 6      | 7.005    | 853        | 864      | 876       | rBV   | 28442       | 81567      | 13.23%       | 0.835%     |
| 7      | 7.742    | 973        | 985      | 990       | rBV   | 87255       | 207771     | 33.71%       | 2.126%     |
| 8      | 7.809    | 990        | 996      | 1008      | rVB   | 159736      | 360117     | 58.42%       | 3.685%     |
| 9      | 8.163    | 1041       | 1054     | 1066      | rBV   | 87786       | 205633     | 33.36%       | 2.104%     |
| 10     | 8.565    | 1113       | 1120     | 1127      | rBV2  | 3108        | 6971       | 1.13%        | 0.071%     |
| 11     | 8.705    | 1131       | 1143     | 1151      | rBV   | 251536      | 485396     | 78.74%       | 4.968%     |
| 12     | 8.791    | 1151       | 1157     | 1164      | rVB2  | 8244        | 16641      | 2.70%        | 0.170%     |
| 13     | 10.083   | 1361       | 1369     | 1379      | rBV   | 47036       | 84050      | 13.64%       | 0.860%     |
| 14     | 10.187   | 1379       | 1386     | 1394      | rBV   | 359969      | 616428     | 100.00%      | 6.308%     |
| 15     | 10.382   | 1409       | 1418     | 1423      | rBV4  | 3542        | 7475       | 1.21%        | 0.076%     |
| 16     | 10.443   | 1423       | 1428     | 1436      | rVB   | 5098        | 9279       | 1.51%        | 0.095%     |
| 17     | 10.589   | 1446       | 1452     | 1457      | rBV   | 15352       | 27577      | 4.47%        | 0.282%     |
| 18     | 11.223   | 1549       | 1556     | 1560      | rBV5  | 6837        | 13540      | 2.20%        | 0.139%     |
| 19     | 11.284   | 1561       | 1566     | 1569      | rVV3  | 6027        | 11716      | 1.90%        | 0.120%     |
| 20     | 11.333   | 1569       | 1574     | 1579      | rVV2  | 9004        | 19915      | 3.23%        | 0.204%     |
| 21     | 11.388   | 1579       | 1583     | 1587      | rVB2  | 5082        | 7319       | 1.19%        | 0.075%     |
| 22     | 11.498   | 1592       | 1601     | 1610      | rVB   | 303712      | 493539     | 80.06%       | 5.051%     |
| 23     | 11.595   | 1610       | 1617     | 1621      | rBV2  | 9883        | 20166      | 3.27%        | 0.206%     |
| 24     | 11.711   | 1630       | 1636     | 1645      | rVV5  | 33788       | 72466      | 11.76%       | 0.742%     |
| 25     | 11.784   | 1645       | 1648     | 1654      | rVB4  | 4385        | 7649       | 1.24%        | 0.078%     |
| 26     | 12.034   | 1678       | 1689     | 1696      | rBV5  | 16271       | 51993      | 8.43%        | 0.532%     |
| 27     | 12.126   | 1696       | 1704     | 1709      | rVB3  | 12386       | 22816      | 3.70%        | 0.233%     |
| 28     | 12.205   | 1713       | 1717     | 1720      | rBV4  | 7451        | 12796      | 2.08%        | 0.131%     |
| 29     | 12.241   | 1720       | 1723     | 1730      | rVB3  | 11340       | 19858      | 3.22%        | 0.203%     |
| 30     | 12.333   | 1733       | 1738     | 1740      | rBV3  | 6581        | 9863       | 1.60%        | 0.101%     |
| 31     | 12.418   | 1742       | 1752     | 1754      | rBV4  | 12168       | 23693      | 3.84%        | 0.242%     |
| 32     | 12.443   | 1754       | 1756     | 1758      | rVV2  | 9557        | 9558       | 1.55%        | 0.098%     |
| 33     | 12.485   | 1758       | 1763     | 1768      | rVV2  | 207442      | 321119     | 52.09%       | 3.286%     |
| 34     | 12.528   | 1768       | 1770     | 1775      | rVB3  | 16742       | 19196      | 3.11%        | 0.196%     |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y020420S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 12.674 | 1786 | 1794 | 1798 | rBV4 | 11391  | 25532  | 4.14%  | 0.261% |
| 36 | 12.735 | 1798 | 1804 | 1808 | rBV  | 36290  | 70795  | 11.48% | 0.725% |
| 37 | 12.772 | 1808 | 1810 | 1812 | rVV2 | 16320  | 19127  | 3.10%  | 0.196% |
| 38 | 12.808 | 1812 | 1816 | 1822 | rVB2 | 159633 | 235638 | 38.23% | 2.411% |
| 39 | 12.863 | 1822 | 1825 | 1830 | rVB2 | 16060  | 24002  | 3.89%  | 0.246% |
| 40 | 12.979 | 1836 | 1844 | 1847 | rBV2 | 21978  | 53433  | 8.67%  | 0.547% |
| 41 | 13.046 | 1851 | 1855 | 1861 | rVB  | 46713  | 70467  | 11.43% | 0.721% |
| 42 | 13.125 | 1861 | 1868 | 1873 | rBV  | 80422  | 134694 | 21.85% | 1.378% |
| 43 | 13.174 | 1873 | 1876 | 1881 | rBV5 | 12786  | 19231  | 3.12%  | 0.197% |
| 44 | 13.229 | 1881 | 1885 | 1886 | rBV2 | 12221  | 14205  | 2.30%  | 0.145% |
| 45 | 13.321 | 1893 | 1900 | 1904 | rBV4 | 52856  | 109025 | 17.69% | 1.116% |
| 46 | 13.369 | 1904 | 1908 | 1911 | rVV2 | 43712  | 65389  | 10.61% | 0.669% |
| 47 | 13.430 | 1911 | 1918 | 1927 | rVB3 | 224119 | 418903 | 67.96% | 4.287% |
| 48 | 13.509 | 1927 | 1931 | 1934 | rBV  | 41257  | 54027  | 8.76%  | 0.553% |
| 49 | 13.625 | 1943 | 1950 | 1954 | rBV2 | 59508  | 99466  | 16.14% | 1.018% |
| 50 | 13.668 | 1954 | 1957 | 1966 | rVB3 | 42888  | 93833  | 15.22% | 0.960% |
| 51 | 13.759 | 1966 | 1972 | 1976 | rBV  | 302024 | 451854 | 73.30% | 4.624% |
| 52 | 13.802 | 1976 | 1979 | 1981 | rVV3 | 30273  | 44754  | 7.26%  | 0.458% |
| 53 | 13.833 | 1981 | 1984 | 1987 | rVV  | 31397  | 54162  | 8.79%  | 0.554% |
| 54 | 13.887 | 1990 | 1993 | 1995 | rVV2 | 36936  | 56940  | 9.24%  | 0.583% |
| 55 | 13.918 | 1995 | 1998 | 2003 | rVV4 | 65862  | 117740 | 19.10% | 1.205% |
| 56 | 13.973 | 2003 | 2007 | 2012 | rVV2 | 69341  | 111986 | 18.17% | 1.146% |
| 57 | 14.022 | 2012 | 2015 | 2020 | rVB2 | 41003  | 61204  | 9.93%  | 0.626% |
| 58 | 14.083 | 2020 | 2025 | 2032 | rBV3 | 81077  | 162553 | 26.37% | 1.664% |
| 59 | 14.162 | 2032 | 2038 | 2042 | rVV5 | 32382  | 73437  | 11.91% | 0.752% |
| 60 | 14.204 | 2042 | 2045 | 2047 | rVV4 | 18230  | 28183  | 4.57%  | 0.288% |
| 61 | 14.259 | 2047 | 2054 | 2061 | rVV9 | 110517 | 328403 | 53.28% | 3.361% |
| 62 | 14.320 | 2061 | 2064 | 2071 | rVB4 | 56593  | 130656 | 21.20% | 1.337% |
| 63 | 14.387 | 2071 | 2075 | 2078 | rBV2 | 77935  | 106162 | 17.22% | 1.086% |
| 64 | 14.424 | 2078 | 2081 | 2086 | rVB2 | 62397  | 88022  | 14.28% | 0.901% |
| 65 | 14.485 | 2086 | 2091 | 2094 | rBV6 | 38595  | 65046  | 10.55% | 0.666% |
| 66 | 14.528 | 2095 | 2098 | 2101 | rVV  | 35908  | 48710  | 7.90%  | 0.498% |
| 67 | 14.570 | 2101 | 2105 | 2107 | rVV  | 50394  | 79372  | 12.88% | 0.812% |
| 68 | 14.619 | 2108 | 2113 | 2118 | rVV  | 285316 | 424785 | 68.91% | 4.347% |
| 69 | 14.692 | 2118 | 2125 | 2129 | rVV5 | 131838 | 289652 | 46.99% | 2.964% |
| 70 | 14.735 | 2129 | 2132 | 2139 | rVB2 | 124411 | 212266 | 34.43% | 2.172% |
| 71 | 14.839 | 2146 | 2149 | 2158 | rVB2 | 63659  | 119759 | 19.43% | 1.226% |

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|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 14.912 | 2159 | 2161 | 2162 | rBV  | 12114  | 10310  | 1.67%  | 0.106% |
| 73 | 14.948 | 2163 | 2167 | 2171 | rVB3 | 49962  | 76509  | 12.41% | 0.783% |
| 74 | 14.985 | 2171 | 2173 | 2177 | rBV  | 12445  | 12916  | 2.10%  | 0.132% |
| 75 | 15.058 | 2179 | 2185 | 2190 | rBV6 | 50618  | 117775 | 19.11% | 1.205% |
| 76 | 15.143 | 2196 | 2199 | 2205 | rVB3 | 59420  | 103592 | 16.81% | 1.060% |
| 77 | 15.217 | 2206 | 2211 | 2221 | rBV5 | 80963  | 214190 | 34.75% | 2.192% |
| 78 | 15.296 | 2221 | 2224 | 2228 | rVB  | 37504  | 47234  | 7.66%  | 0.483% |
| 79 | 15.351 | 2229 | 2233 | 2238 | rBV3 | 50150  | 90032  | 14.61% | 0.921% |
| 80 | 15.442 | 2243 | 2248 | 2256 | rVB2 | 183979 | 308550 | 50.05% | 3.158% |
| 81 | 15.540 | 2256 | 2264 | 2270 | rBV6 | 48058  | 141770 | 23.00% | 1.451% |
| 82 | 15.607 | 2270 | 2275 | 2281 | rVB5 | 38109  | 75913  | 12.31% | 0.777% |
| 83 | 15.735 | 2292 | 2296 | 2302 | rVB2 | 82669  | 146735 | 23.80% | 1.502% |
| 84 | 15.887 | 2317 | 2321 | 2329 | rBV6 | 25976  | 57381  | 9.31%  | 0.587% |
| 85 | 16.033 | 2339 | 2345 | 2351 | rBV3 | 52278  | 113065 | 18.34% | 1.157% |
| 86 | 16.161 | 2363 | 2366 | 2370 | rBV4 | 19611  | 29640  | 4.81%  | 0.303% |
| 87 | 16.229 | 2373 | 2377 | 2384 | rVV3 | 48010  | 101691 | 16.50% | 1.041% |
| 88 | 16.296 | 2384 | 2388 | 2394 | rVV3 | 32720  | 60514  | 9.82%  | 0.619% |
| 89 | 16.369 | 2394 | 2400 | 2407 | rVB  | 68422  | 121204 | 19.66% | 1.240% |
| 90 | 16.485 | 2414 | 2419 | 2427 | rBV9 | 21980  | 68923  | 11.18% | 0.705% |

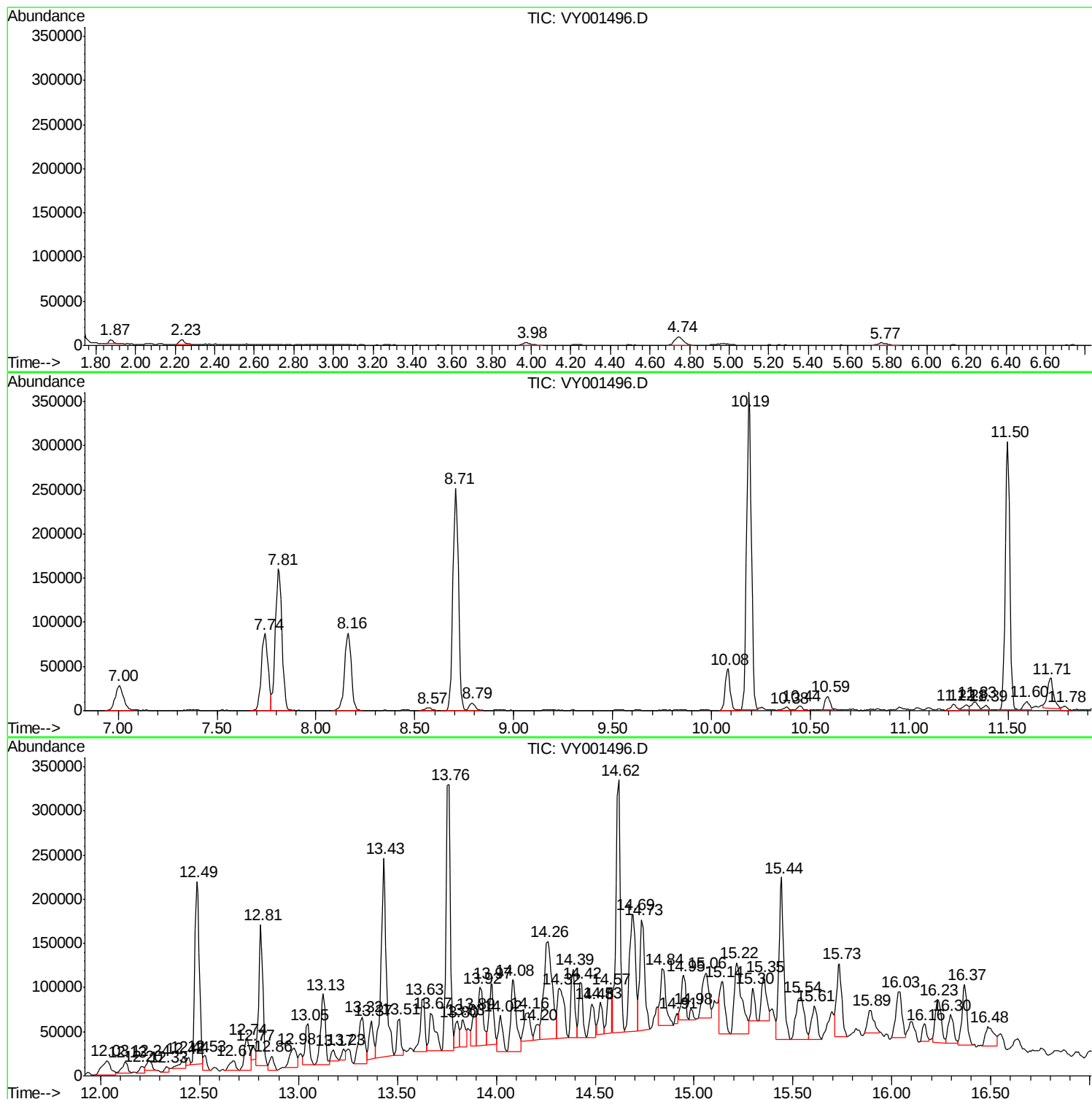
Sum of corrected areas: 9771432

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y020420S.M  
Quant Title : SW846 8260

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



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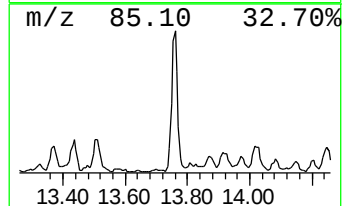
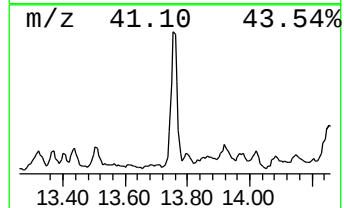
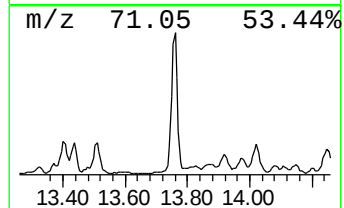
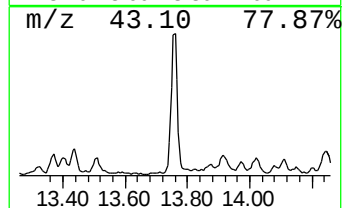
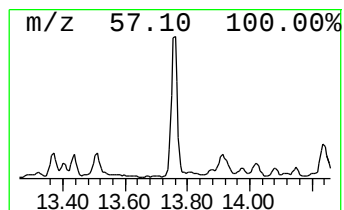
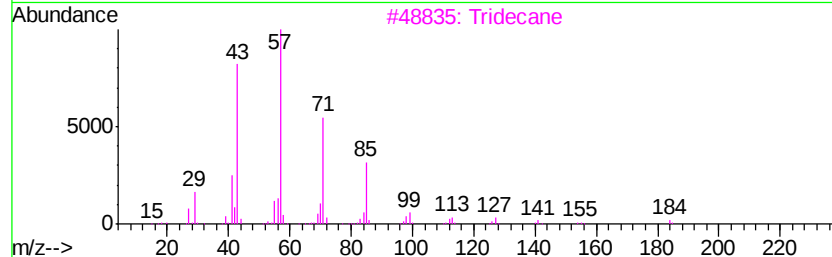
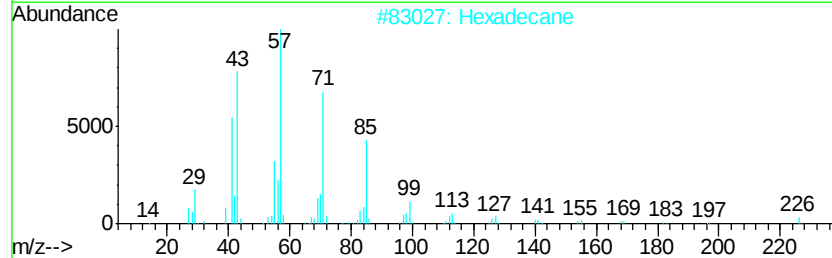
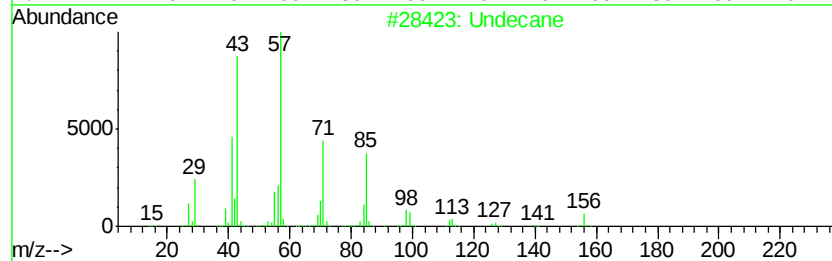
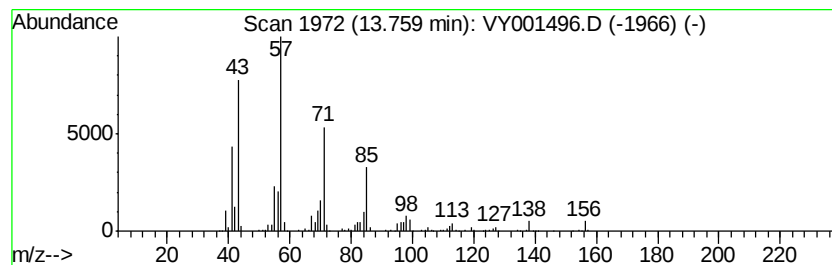
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y020420S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Undecane Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.76 | 53.93 ug/l | 451854 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Undecane     | 156 | C11H24  | 001120-21-4 | 97   |
| 2    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 86   |
| 3    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 72   |
| 4    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 72   |
| 5    |    | Nonane       | 128 | C9H20   | 000111-84-2 | 62   |



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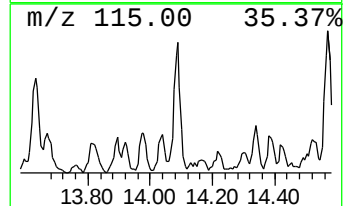
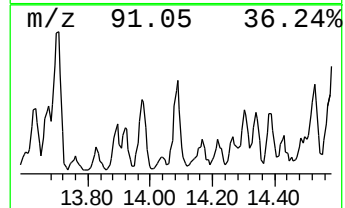
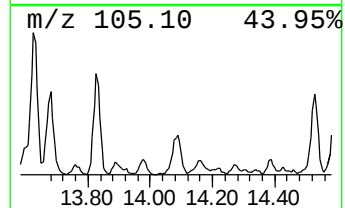
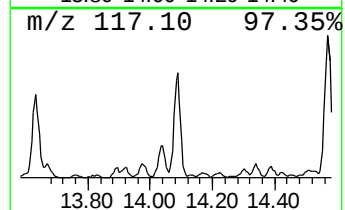
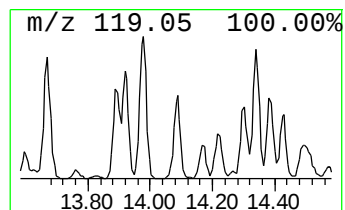
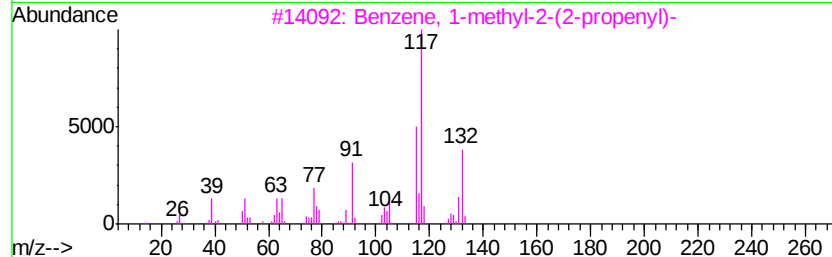
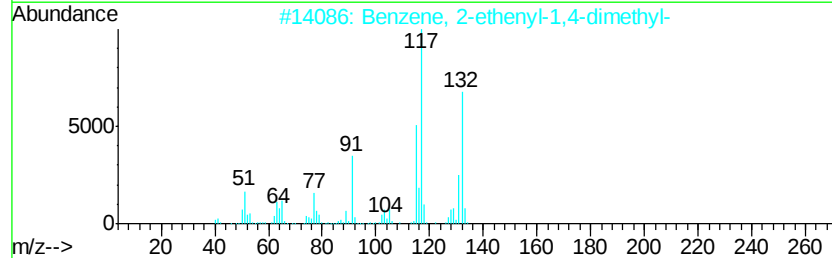
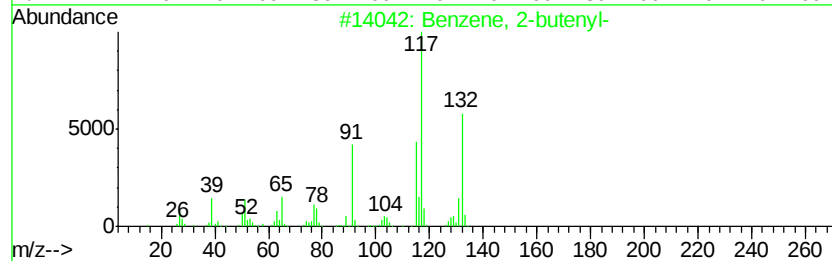
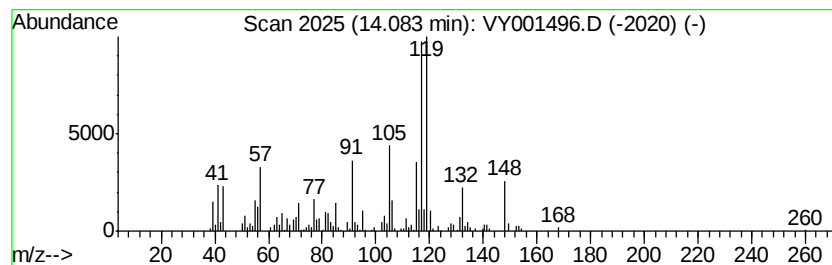
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Benzene, 2-butenyl- Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.08 | 19.40 ug/l | 162553 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-butenyl-                 | 132 | C10H12  | 001560-06-1 | 90   |
| 2    |    | Benzene, 2-ethenyl-1,4-dimethyl-    | 132 | C10H12  | 002039-89-6 | 72   |
| 3    |    | Benzene, 1-methyl-2-(2-propenyl)-   | 132 | C10H12  | 001587-04-8 | 70   |
| 4    |    | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000767-99-7 | 50   |
| 5    |    | 1H-Indene, 2,3-dihydro-2-methyl-    | 132 | C10H12  | 000824-63-5 | 50   |



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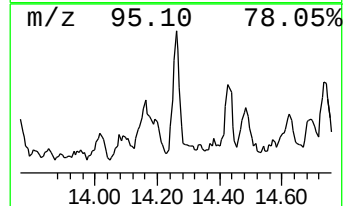
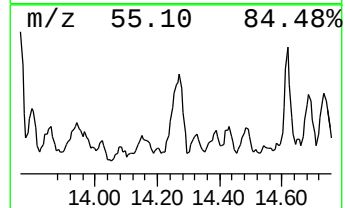
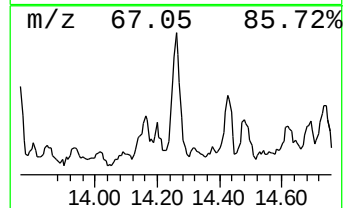
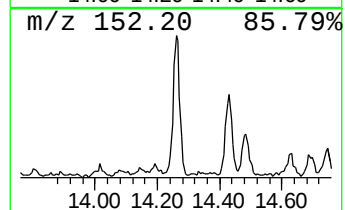
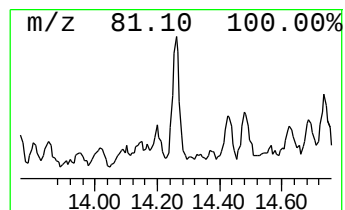
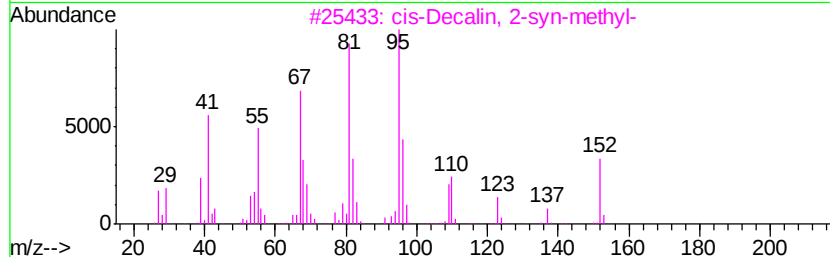
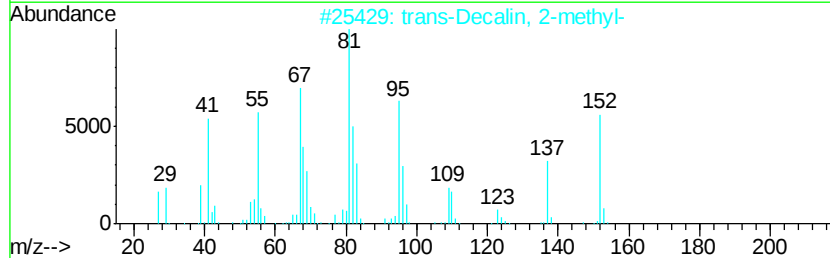
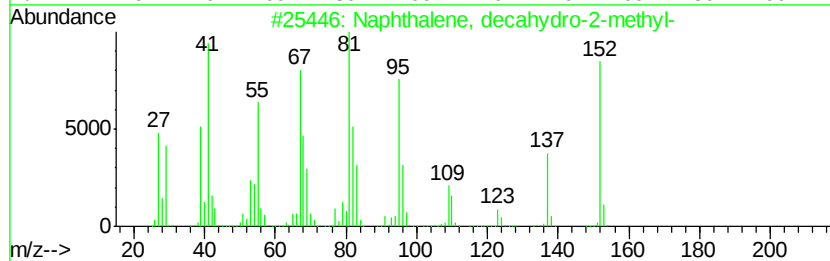
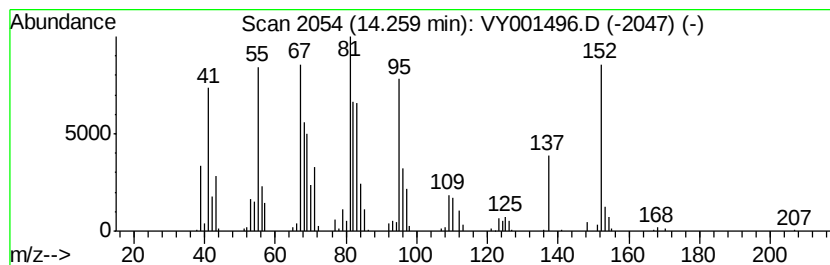
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MSVOA\_Y  
ClientSampleId :  
628-629

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y020420S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Naphthalene, decahydro-2-me... Concentration Rank 3

| R.T.    | EstConc    | Area                             | Relative to ISTD       | R.T.    |              |      |
|---------|------------|----------------------------------|------------------------|---------|--------------|------|
| 14.26   | 39.20 ug/l | 328403                           | 1,4-Dichlorobenzene-d4 | 13.43   |              |      |
| Hit# of | 5          | Tentative ID                     | MW                     | MolForm | CAS#         | Qual |
| 1       |            | Naphthalene, decahydro-2-methyl- | 152                    | C11H20  | 002958-76-1  | 93   |
| 2       |            | trans-Decalin, 2-methyl-         | 152                    | C11H20  | 1000152-47-3 | 93   |
| 3       |            | cis-Decalin, 2-syn-methyl-       | 152                    | C11H20  | 1000155-85-6 | 76   |
| 4       |            | Decalin, anti-1-methyl-, cis-    | 152                    | C11H20  | 1000158-89-0 | 68   |
| 5       |            | Decalin, syn-1-methyl-, cis-     | 152                    | C11H20  | 1000158-89-1 | 68   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020420\  
Data File : VY001496.D  
Acq On : 04 Feb 2020 18:50  
Operator : SY/MD  
Sample : L1329-22  
Misc : 5.05G/5ML/MSVOA Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
628-629

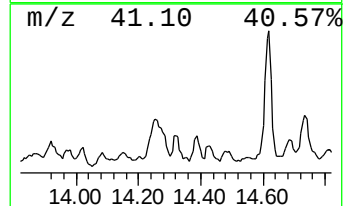
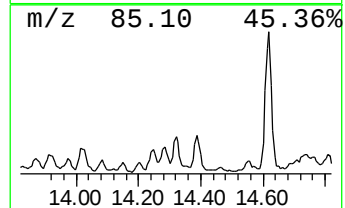
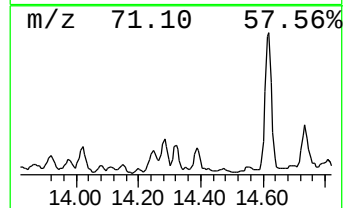
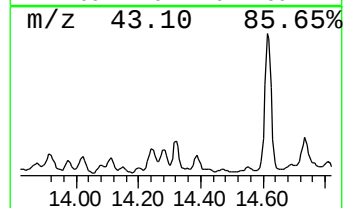
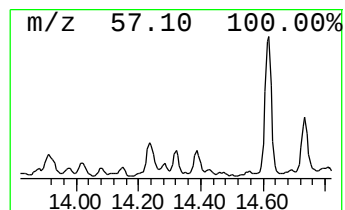
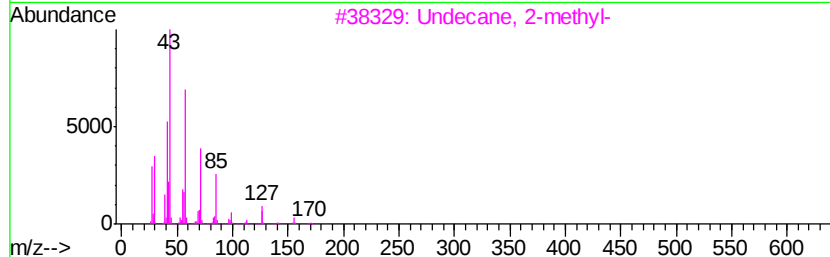
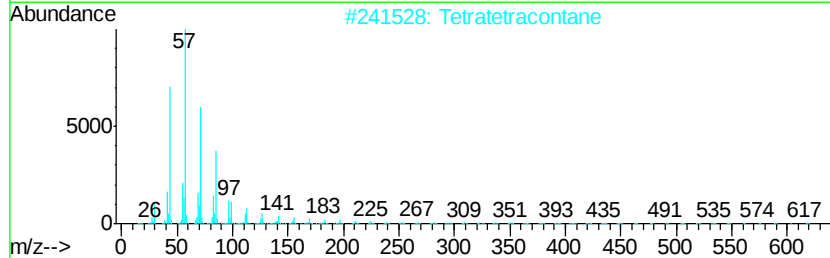
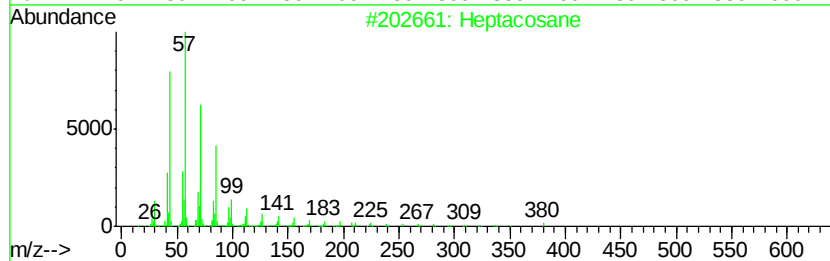
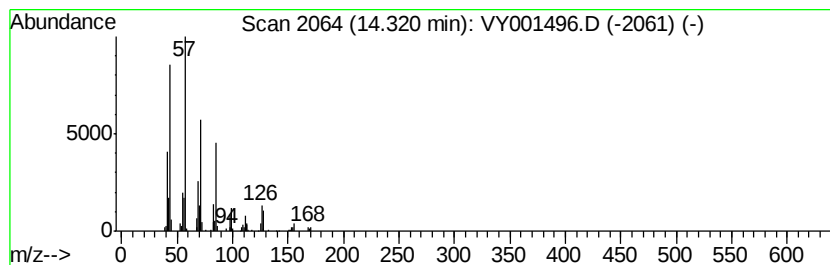
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Heptacosane Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.32 | 15.60 ug/l | 130656 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Heptacosane                       | 380 | C27H56    | 000593-49-7  | 80   |
| 2    |    |   | Tetratetracontane                 | 619 | C44H90    | 007098-22-8  | 80   |
| 3    |    |   | Undecane, 2-methyl-               | 170 | C12H26    | 007045-71-8  | 74   |
| 4    |    |   | Hexacosane                        | 366 | C26H54    | 000630-01-3  | 72   |
| 5    |    |   | Sulfurous acid, butyl decyl ester | 278 | C14H30O3S | 1000309-17-7 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020420\  
Data File : VY001496.D  
Acq On : 04 Feb 2020 18:50  
Operator : SY/MD  
Sample : L1329-22  
Misc : 5.05G/5ML/MSVOA Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
628-629

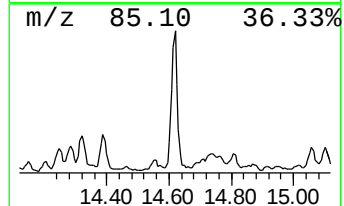
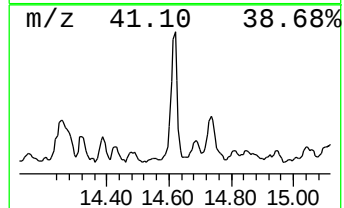
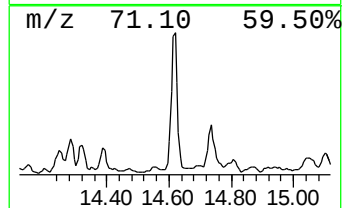
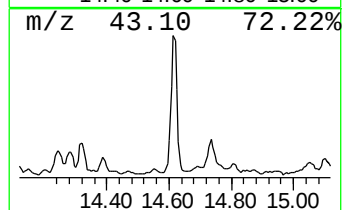
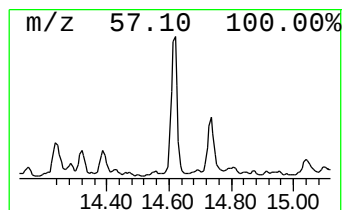
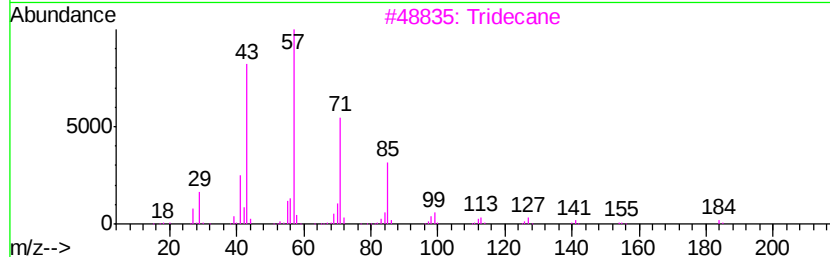
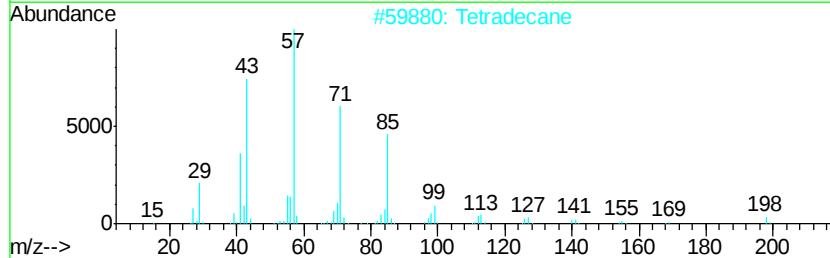
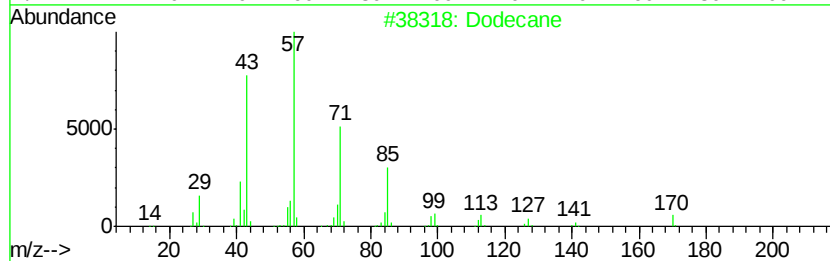
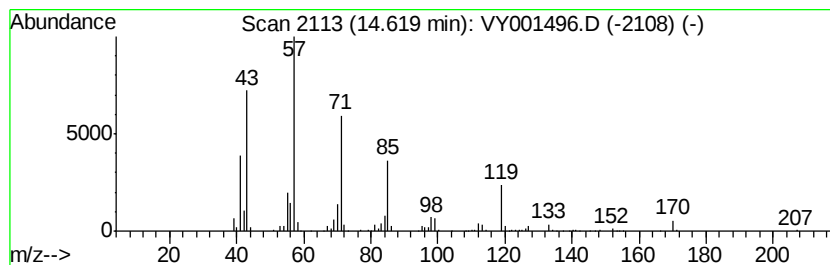
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Dodecane Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.62 | 50.70 ug/l | 424785 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# of | 5                        | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|--------------------------|--------------|-----|---------|-------------|------|
| 1       | Dodecane                 |              | 170 | C12H26  | 000112-40-3 | 91   |
| 2       | Tetradecane              |              | 198 | C14H30  | 000629-59-4 | 72   |
| 3       | Tridecane                |              | 184 | C13H28  | 000629-50-5 | 72   |
| 4       | Hexadecane               |              | 226 | C16H34  | 000544-76-3 | 64   |
| 5       | Decane, 2,3,5-trimethyl- |              | 184 | C13H28  | 062238-11-3 | 59   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020420\  
Data File : VY001496.D  
Acq On : 04 Feb 2020 18:50  
Operator : SY/MD  
Sample : L1329-22  
Misc : 5.05G/5ML/MSVOA Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

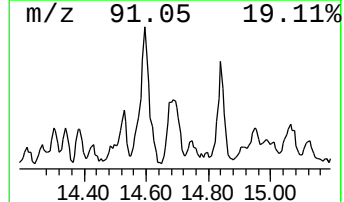
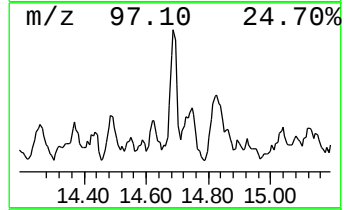
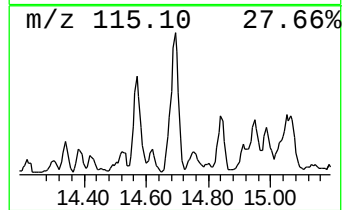
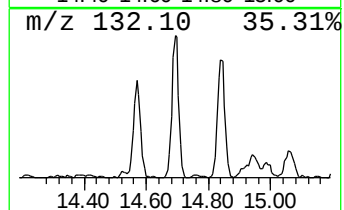
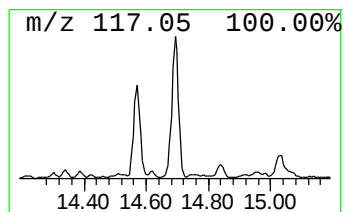
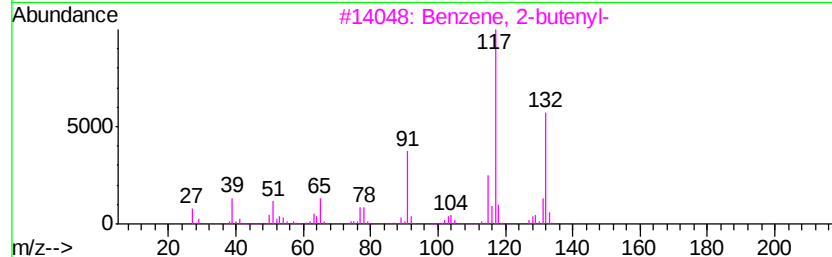
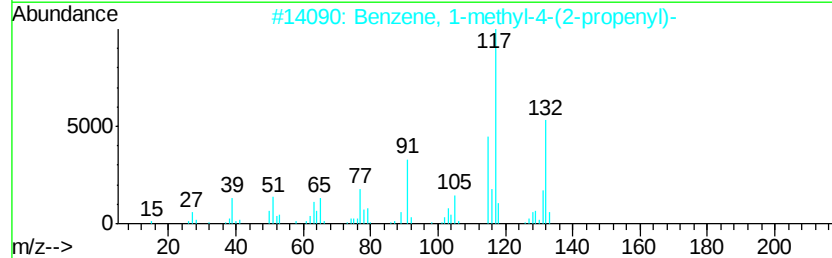
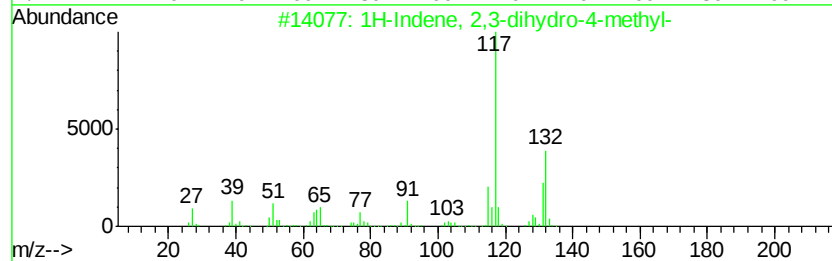
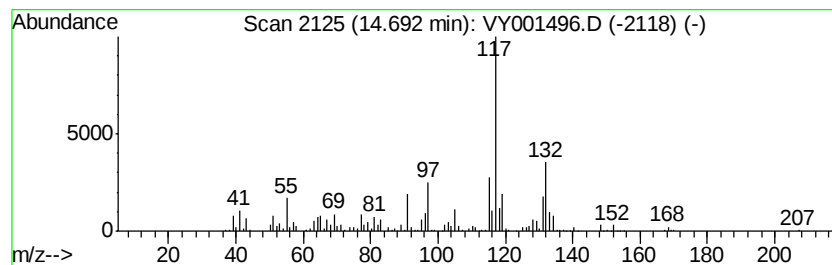
Instrument :  
MSVOA\_Y  
ClientSampleId :  
628-629

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y020420S.M  
Quant Title : SW846 8260

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

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Peak Number 6 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 5

| R.T.      | EstConc                           | Area   | Relative to ISTD       | R.T.        |      |
|-----------|-----------------------------------|--------|------------------------|-------------|------|
| 14.69     | 34.57 ug/l                        | 289652 | 1,4-Dichlorobenzene-d4 | 13.43       |      |
| Hit# of 5 | Tentative ID                      | MW     | MolForm                | CAS#        | Qual |
| 1         | 1H-Indene, 2,3-dihydro-4-methyl-  | 132    | C10H12                 | 000824-22-6 | 92   |
| 2         | Benzene, 1-methyl-4-(2-propenyl)- | 132    | C10H12                 | 003333-13-9 | 87   |
| 3         | Benzene, 2-butenyl-               | 132    | C10H12                 | 001560-06-1 | 81   |
| 4         | 3-Phenylbut-1-ene                 | 132    | C10H12                 | 000934-10-1 | 76   |
| 5         | Benzene, 1-ethenyl-4-ethyl-       | 132    | C10H12                 | 003454-07-7 | 76   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020420\  
Data File : VY001496.D  
Acq On : 04 Feb 2020 18:50  
Operator : SY/MD  
Sample : L1329-22  
Misc : 5.05G/5ML/MSVOA Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
628-629

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y020420S.M  
Quant Title : SW846 8260

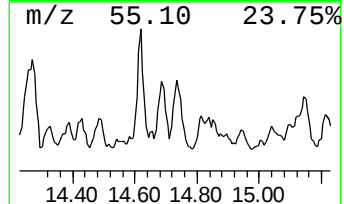
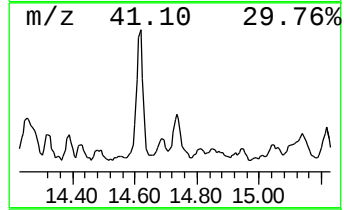
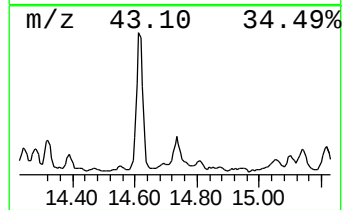
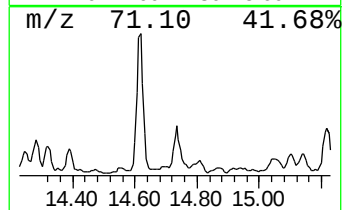
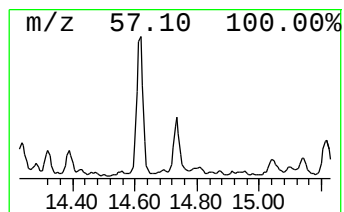
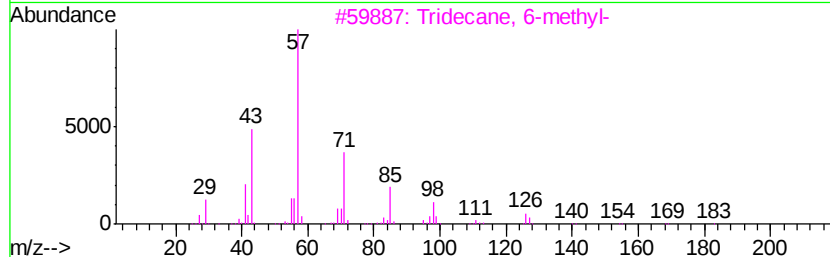
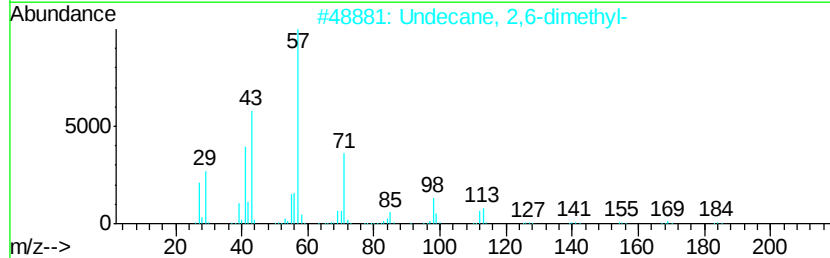
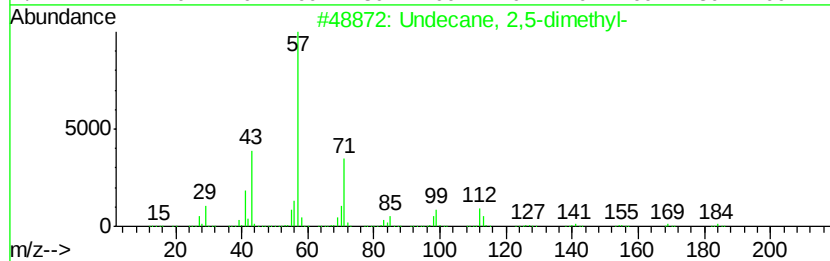
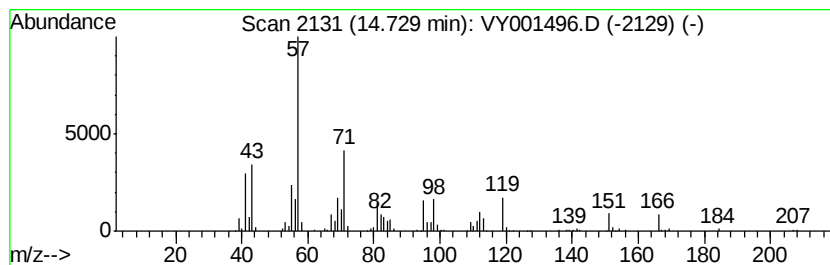
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Undecane, 2,5-dimethyl- Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.73 | 25.34 ug/l | 212266 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# of | 5                                   | Tentative ID | MW        | MolForm      | CAS# | Qual |
|---------|-------------------------------------|--------------|-----------|--------------|------|------|
| 1       | Undecane, 2,5-dimethyl-             | 184          | C13H28    | 017301-22-3  | 55   |      |
| 2       | Undecane, 2,6-dimethyl-             | 184          | C13H28    | 017301-23-4  | 55   |      |
| 3       | Tridecane, 6-methyl-                | 198          | C14H30    | 013287-21-3  | 43   |      |
| 4       | Nonane, 3-methyl-                   | 142          | C10H22    | 005911-04-6  | 43   |      |
| 5       | Sulfurous acid, butyl 2-ethylhex... | 250          | C12H26O3S | 1000309-18-8 | 38   |      |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020420\  
Data File : VY001496.D  
Acq On : 04 Feb 2020 18:50  
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Sample : L1329-22  
Misc : 5.05G/5ML/MSVOA Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

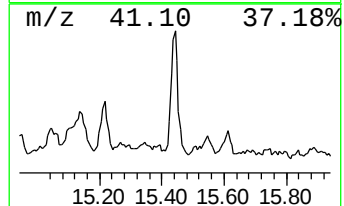
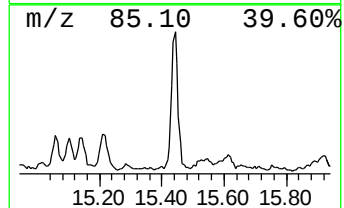
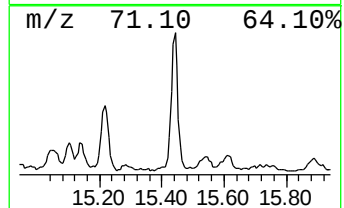
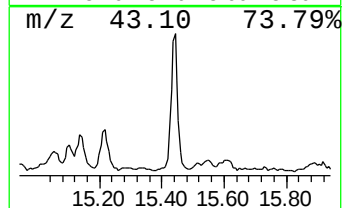
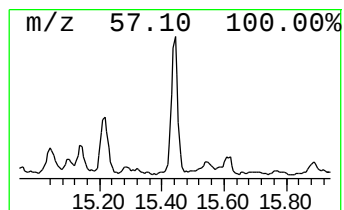
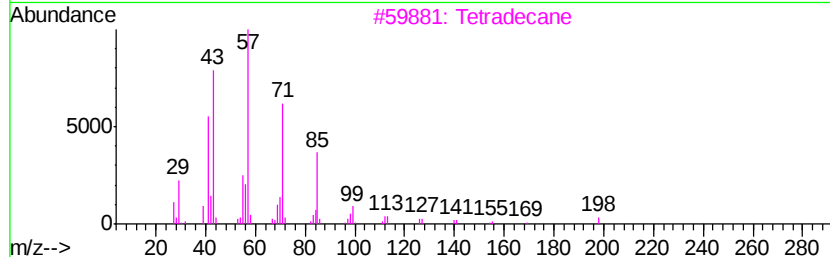
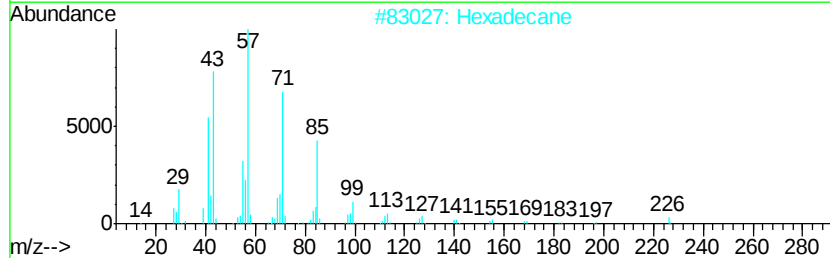
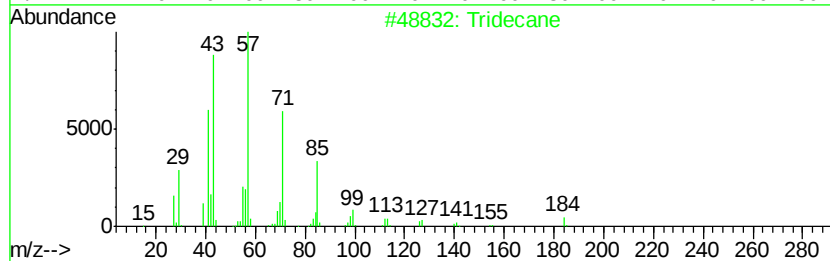
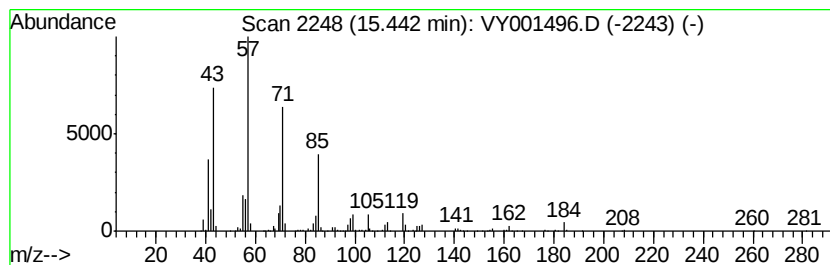
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ClientSampleId :  
628-629

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y020420S.M  
Quant Title : SW846 8260

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

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Peak Number 8 Tridecane Concentration Rank 4

| R.T.    | EstConc             | Area         | Relative to ISTD       | R.T.      |
|---------|---------------------|--------------|------------------------|-----------|
| 15.44   | 36.83 ug/l          | 308550       | 1,4-Dichlorobenzene-d4 | 13.43     |
| Hit# of | 5                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Tridecane           | 184 C13H28   | 000629-50-5            | 94        |
| 2       | Hexadecane          | 226 C16H34   | 000544-76-3            | 90        |
| 3       | Tetradecane         | 198 C14H30   | 000629-59-4            | 87        |
| 4       | Dodecane            | 170 C12H26   | 000112-40-3            | 80        |
| 5       | Bacchotricuneatin c | 342 C20H22O5 | 066563-30-2            | 74        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020420\  
Data File : VY001496.D  
Acq On : 04 Feb 2020 18:50  
Operator : SY/MD  
Sample : L1329-22  
Misc : 5.05G/5ML/MSVOA Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y020420S.M  
Quant Title : SW846 8260

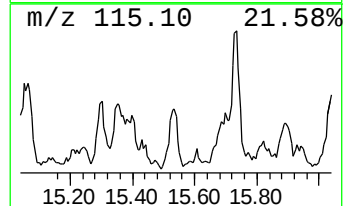
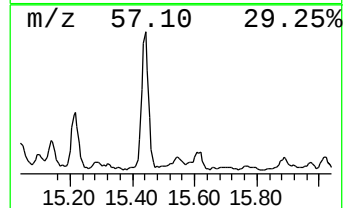
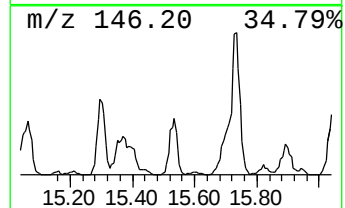
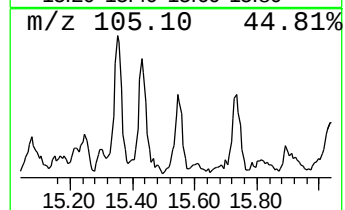
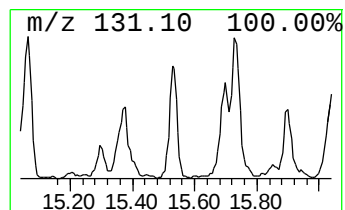
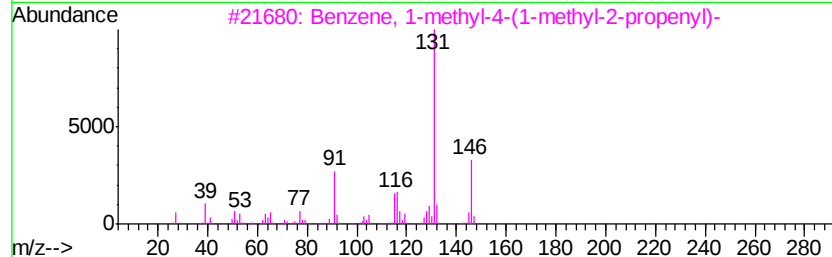
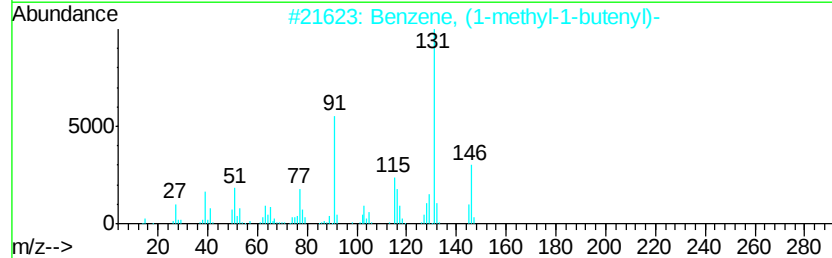
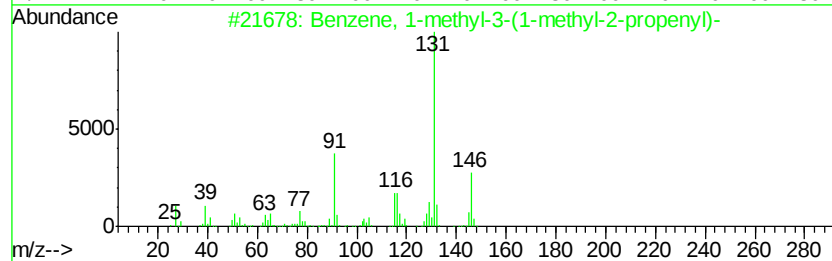
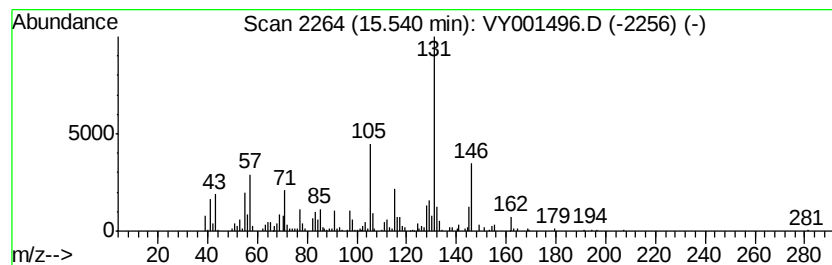
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzene, 1-methyl-3-(1-meth... Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.54 | 16.92 ug/l | 141770 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# of | 5                                   | Tentative ID | MW     | MolForm     | CAS# | Qual |
|---------|-------------------------------------|--------------|--------|-------------|------|------|
| 1       | Benzene, 1-methyl-3-(1-methyl-2-... | 146          | C11H14 | 052161-57-6 | 87   |      |
| 2       | Benzene, (1-methyl-1-butenyl)-      | 146          | C11H14 | 053172-84-2 | 87   |      |
| 3       | Benzene, 1-methyl-4-(1-methyl-2-... | 146          | C11H14 | 097664-18-1 | 83   |      |
| 4       | Bicyclo[4.2.0]octa-1,3,5-triene,... | 146          | C11H14 | 027087-54-3 | 80   |      |
| 5       | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146          | C11H14 | 006682-71-9 | 76   |      |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020420\  
Data File : VY001496.D  
Acq On : 04 Feb 2020 18:50  
Operator : SY/MD  
Sample : L1329-22  
Misc : 5.05G/5ML/MSVOA Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
628-629

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y020420S.M  
Quant Title : SW846 8260

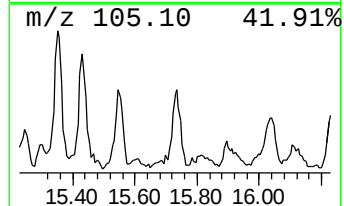
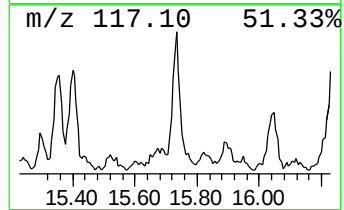
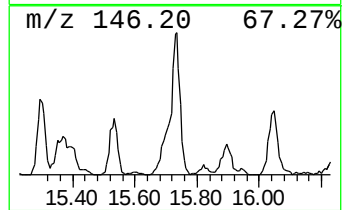
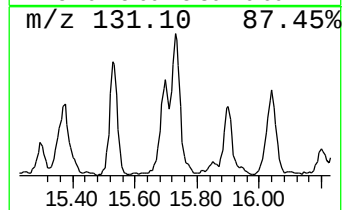
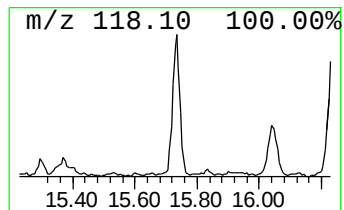
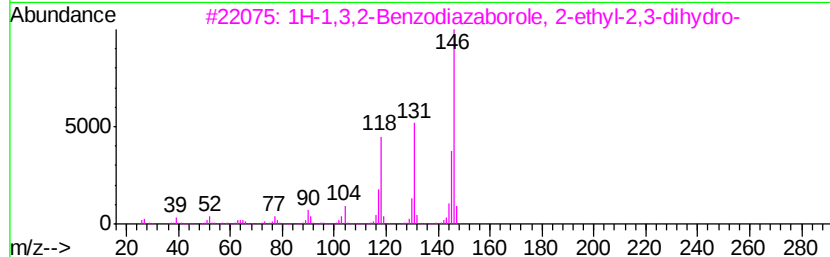
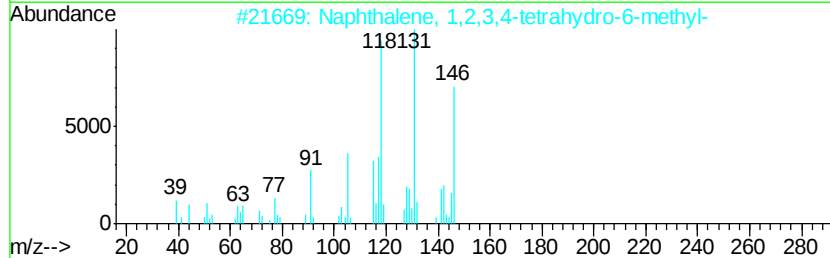
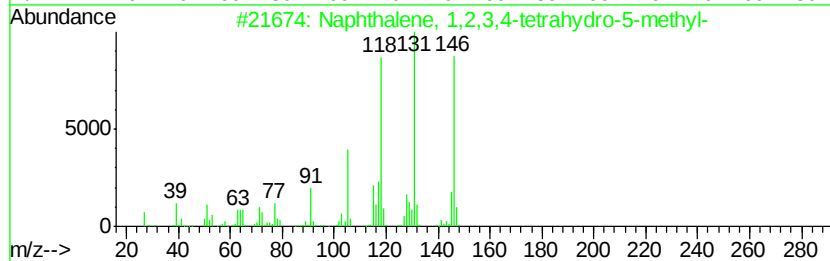
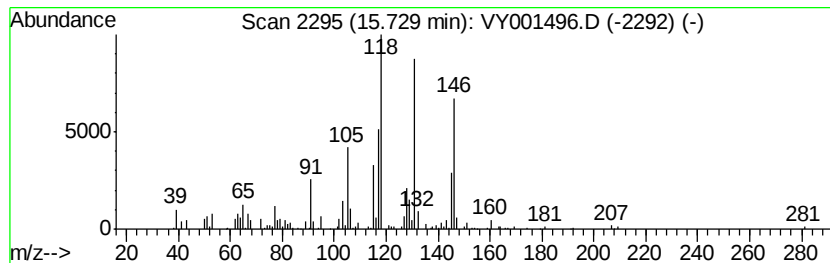
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.73 | 17.51 ug/l | 146735 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 002809-64-5 | 81   |
| 2    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 001680-51-9 | 74   |
| 3    |    | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 | C8H11BN2 | 074663-81-3 | 68   |
| 4    |    | Naphth[1,2-b]oxirene, 1a,2,3,7b-... | 146 | C10H10O  | 002461-34-9 | 52   |
| 5    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16   | 013065-07-1 | 49   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_Y\DATA\VY020420\  
Data File : VY001496.D  
Acq On : 04 Feb 2020 18:50  
Operator : SY/MD  
Sample : L1329-22  
Misc : 5.05G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
628-629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y020420S.M  
Quant Title : SW846 8260

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Undecane             | 13.76 | 53.9    | ug/l  | 451854   | 4                     | 13.43 | 418903 | 50.0 |
| Benzene, 2-butenyl-  | 14.08 | 19.4    | ug/l  | 162553   | 4                     | 13.43 | 418903 | 50.0 |
| Naphthalene, deca... | 14.26 | 39.2    | ug/l  | 328403   | 4                     | 13.43 | 418903 | 50.0 |
| Heptacosane          | 14.32 | 15.6    | ug/l  | 130656   | 4                     | 13.43 | 418903 | 50.0 |
| Dodecane             | 14.62 | 50.7    | ug/l  | 424785   | 4                     | 13.43 | 418903 | 50.0 |
| 1H-Indene, 2,3-di... | 14.69 | 34.6    | ug/l  | 289652   | 4                     | 13.43 | 418903 | 50.0 |
| Undecane, 2,5-dim... | 14.73 | 25.3    | ug/l  | 212266   | 4                     | 13.43 | 418903 | 50.0 |
| Tridecane            | 15.44 | 36.8    | ug/l  | 308550   | 4                     | 13.43 | 418903 | 50.0 |
| Benzene, 1-methyl... | 15.54 | 16.9    | ug/l  | 141770   | 4                     | 13.43 | 418903 | 50.0 |
| Naphthalene, 1,2,... | 15.73 | 17.5    | ug/l  | 146735   | 4                     | 13.43 | 418903 | 50.0 |