

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051820\  
 Data File : VY002705.D  
 Acq On : 18 May 2020 12:50  
 Operator : SY/MD  
 Sample : L2674-01  
 Misc : 7.28G/5ML/MSVOA Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PS-STOCK-4

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\82Y051520S.M  
 Title : SW846 8260

Signal : TIC

| 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         | 4.773       | 475           | 498         | 513          | rBV2     | 103065         | 474798        | 4.26%           | 0.375%        |
| 2         | 5.255       | 562           | 577         | 596          | rBV2     | 89238          | 323227        | 2.90%           | 0.255%        |
| 3         | 6.797       | 821           | 830         | 842          | rVB2     | 131884         | 402391        | 3.61%           | 0.318%        |
| 4         | 7.730       | 971           | 983         | 986          | rBV      | 208993         | 516871        | 4.64%           | 0.408%        |
| 5         | 7.791       | 986           | 993         | 1001         | rVV4     | 518035         | 1612238       | 14.46%          | 1.273%        |
| 6         | 7.876       | 1001          | 1007        | 1019         | rVB2     | 171081         | 439314        | 3.94%           | 0.347%        |
| 7         | 8.004       | 1019          | 1028        | 1035         | rBV      | 343948         | 816285        | 7.32%           | 0.645%        |
| 8         | 8.151       | 1044          | 1052        | 1065         | rBV      | 188715         | 424946        | 3.81%           | 0.336%        |
| 9         | 8.279       | 1065          | 1073        | 1077         | rBV3     | 149709         | 366892        | 3.29%           | 0.290%        |
| 10        | 8.340       | 1077          | 1083        | 1091         | rVV3     | 215072         | 680329        | 6.10%           | 0.537%        |
| 11        | 8.425       | 1091          | 1097        | 1107         | rVB      | 151171         | 355435        | 3.19%           | 0.281%        |
| 12        | 8.553       | 1107          | 1118        | 1130         | rVB2     | 108709         | 250018        | 2.24%           | 0.197%        |
| 13        | 8.693       | 1130          | 1141        | 1153         | rBV      | 622363         | 1327524       | 11.91%          | 1.048%        |
| 14        | 9.187       | 1208          | 1222        | 1228         | rBV2     | 870666         | 2192973       | 19.67%          | 1.732%        |
| 15        | 9.248       | 1228          | 1232        | 1239         | rVB      | 195533         | 364547        | 3.27%           | 0.288%        |
| 16        | 9.461       | 1258          | 1267        | 1275         | rVB3     | 144007         | 385933        | 3.46%           | 0.305%        |
| 17        | 9.614       | 1285          | 1292        | 1302         | rBV2     | 303945         | 598050        | 5.37%           | 0.472%        |
| 18        | 9.711       | 1302          | 1308        | 1311         | rBV2     | 183630         | 341793        | 3.07%           | 0.270%        |
| 19        | 9.754       | 1311          | 1315        | 1320         | rVB2     | 298535         | 548265        | 4.92%           | 0.433%        |
| 20        | 9.821       | 1320          | 1326        | 1330         | rBV      | 548311         | 1008410       | 9.05%           | 0.796%        |
| 21        | 9.961       | 1339          | 1349        | 1360         | rBV      | 632119         | 1625252       | 14.58%          | 1.283%        |
| 22        | 10.108      | 1368          | 1373        | 1378         | rVB3     | 169562         | 330900        | 2.97%           | 0.261%        |
| 23        | 10.181      | 1378          | 1385        | 1397         | rVB2     | 1296463        | 2626768       | 23.57%          | 2.074%        |
| 24        | 10.370      | 1408          | 1416        | 1423         | rVB3     | 362678         | 981057        | 8.80%           | 0.775%        |
| 25        | 10.522      | 1436          | 1441        | 1449         | rVB      | 281081         | 472339        | 4.24%           | 0.373%        |
| 26        | 10.608      | 1449          | 1455        | 1462         | rBV3     | 517853         | 1258445       | 11.29%          | 0.994%        |
| 27        | 10.711      | 1467          | 1472        | 1477         | rVB2     | 242304         | 416178        | 3.73%           | 0.329%        |
| 28        | 10.803      | 1477          | 1487        | 1492         | rBV      | 396103         | 746372        | 6.70%           | 0.589%        |
| 29        | 10.906      | 1498          | 1504        | 1511         | rVB      | 366028         | 765059        | 6.86%           | 0.604%        |
| 30        | 11.004      | 1516          | 1520        | 1523         | rVV      | 238172         | 412601        | 3.70%           | 0.326%        |
| 31        | 11.034      | 1523          | 1525        | 1529         | rVV      | 222715         | 324086        | 2.91%           | 0.256%        |
| 32        | 11.089      | 1529          | 1534        | 1539         | rVV      | 587451         | 1017326       | 9.13%           | 0.803%        |
| 33        | 11.144      | 1539          | 1543        | 1548         | rVV2     | 177130         | 270726        | 2.43%           | 0.214%        |
| 34        | 11.205      | 1548          | 1553        | 1556         | rVV4     | 318952         | 503372        | 4.52%           | 0.397%        |

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Instrument :  
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 ClientSampleId :  
 PS-STOCK-4

## 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\82Y051520S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 11.278 | 1556 | 1565 | 1576 | rVB3 | 1095032 | 2980881 | 26.74% | 2.354% |
| 36 | 11.382 | 1576 | 1582 | 1594 | rBV  | 893228  | 1743529 | 15.64% | 1.377% |
| 37 | 11.492 | 1594 | 1600 | 1605 | rBV  | 798014  | 1333397 | 11.96% | 1.053% |
| 38 | 11.589 | 1612 | 1616 | 1619 | rBV2 | 193787  | 291777  | 2.62%  | 0.230% |
| 39 | 11.681 | 1626 | 1631 | 1634 | rBV3 | 238805  | 531138  | 4.77%  | 0.419% |
| 40 | 11.735 | 1637 | 1640 | 1645 | rVB2 | 279447  | 429940  | 3.86%  | 0.339% |
| 41 | 11.937 | 1669 | 1673 | 1677 | rVB3 | 230608  | 356495  | 3.20%  | 0.282% |
| 42 | 12.004 | 1677 | 1684 | 1690 | rBV4 | 681612  | 1594230 | 14.30% | 1.259% |
| 43 | 12.120 | 1699 | 1703 | 1708 | rVB  | 559673  | 819405  | 7.35%  | 0.647% |
| 44 | 12.199 | 1708 | 1716 | 1719 | rBV4 | 590550  | 1144703 | 10.27% | 0.904% |
| 45 | 12.235 | 1719 | 1722 | 1727 | rVB3 | 353507  | 551586  | 4.95%  | 0.436% |
| 46 | 12.327 | 1733 | 1737 | 1740 | rBV  | 300754  | 487020  | 4.37%  | 0.385% |
| 47 | 12.479 | 1758 | 1762 | 1766 | rBV  | 552976  | 828850  | 7.44%  | 0.654% |
| 48 | 12.522 | 1766 | 1769 | 1773 | rVB  | 294793  | 331091  | 2.97%  | 0.261% |
| 49 | 12.571 | 1773 | 1777 | 1781 | rVB5 | 172654  | 316783  | 2.84%  | 0.250% |
| 50 | 12.668 | 1784 | 1793 | 1798 | rVB  | 925130  | 1963003 | 17.61% | 1.550% |
| 51 | 12.729 | 1798 | 1803 | 1806 | rBV4 | 324086  | 557547  | 5.00%  | 0.440% |
| 52 | 12.808 | 1811 | 1816 | 1822 | rVB  | 1541081 | 2525213 | 22.66% | 1.994% |
| 53 | 12.973 | 1835 | 1843 | 1847 | rBV  | 945466  | 1840545 | 16.51% | 1.453% |
| 54 | 13.040 | 1850 | 1854 | 1862 | rVV2 | 526256  | 1010120 | 9.06%  | 0.798% |
| 55 | 13.119 | 1862 | 1867 | 1871 | rVV2 | 435784  | 778033  | 6.98%  | 0.614% |
| 56 | 13.168 | 1871 | 1875 | 1880 | rVV2 | 265012  | 379142  | 3.40%  | 0.299% |
| 57 | 13.247 | 1881 | 1888 | 1892 | rVV4 | 281511  | 684036  | 6.14%  | 0.540% |
| 58 | 13.314 | 1892 | 1899 | 1903 | rVV5 | 400856  | 799016  | 7.17%  | 0.631% |
| 59 | 13.363 | 1903 | 1907 | 1911 | rVB3 | 204244  | 272945  | 2.45%  | 0.216% |
| 60 | 13.424 | 1913 | 1917 | 1919 | rVV  | 591322  | 844746  | 7.58%  | 0.667% |
| 61 | 13.455 | 1919 | 1922 | 1927 | rVB  | 1151593 | 1675348 | 15.03% | 1.323% |
| 62 | 13.595 | 1939 | 1945 | 1947 | rBV  | 1103617 | 1707084 | 15.32% | 1.348% |
| 63 | 13.625 | 1947 | 1950 | 1953 | rVV2 | 1290747 | 1860775 | 16.69% | 1.469% |
| 64 | 13.668 | 1953 | 1957 | 1965 | rVB3 | 1290424 | 2661764 | 23.88% | 2.102% |
| 65 | 13.753 | 1965 | 1971 | 1976 | rBV2 | 961854  | 1544431 | 13.86% | 1.220% |
| 66 | 13.820 | 1978 | 1982 | 1987 | rVV  | 417275  | 652912  | 5.86%  | 0.516% |
| 67 | 13.881 | 1989 | 1992 | 1995 | rVV  | 298170  | 443085  | 3.98%  | 0.350% |
| 68 | 13.918 | 1995 | 1998 | 2001 | rVV  | 239785  | 317281  | 2.85%  | 0.251% |
| 69 | 13.973 | 2001 | 2007 | 2012 | rVB  | 4373886 | 6172527 | 55.38% | 4.874% |
| 70 | 14.034 | 2012 | 2017 | 2019 | rBV  | 553375  | 848299  | 7.61%  | 0.670% |
| 71 | 14.083 | 2019 | 2025 | 2030 | rVB2 | 3722166 | 5909424 | 53.02% | 4.666% |

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Instrument :  
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## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
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Filtering: 5  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y051520S.M  
 Title : SW846 8260

|     |        |      |      |      |      |         |          |         |        |
|-----|--------|------|------|------|------|---------|----------|---------|--------|
| 72  | 14.150 | 2030 | 2036 | 2041 | rVB5 | 296725  | 663096   | 5.95%   | 0.524% |
| 73  | 14.217 | 2041 | 2047 | 2051 | rBV2 | 554760  | 945139   | 8.48%   | 0.746% |
| 74  | 14.296 | 2051 | 2060 | 2064 | rVV  | 3406176 | 5560421  | 49.89%  | 4.391% |
| 75  | 14.333 | 2064 | 2066 | 2070 | rVB  | 613987  | 776596   | 6.97%   | 0.613% |
| 76  | 14.381 | 2070 | 2074 | 2077 | rBV  | 994030  | 1378442  | 12.37%  | 1.088% |
| 77  | 14.418 | 2077 | 2080 | 2083 | rVV2 | 443760  | 640644   | 5.75%   | 0.506% |
| 78  | 14.454 | 2083 | 2086 | 2089 | rVV  | 457975  | 668925   | 6.00%   | 0.528% |
| 79  | 14.522 | 2093 | 2097 | 2100 | rVV  | 598461  | 936625   | 8.40%   | 0.740% |
| 80  | 14.570 | 2100 | 2105 | 2109 | rVV3 | 1131630 | 2009472  | 18.03%  | 1.587% |
| 81  | 14.613 | 2109 | 2112 | 2116 | rVB  | 997343  | 1315498  | 11.80%  | 1.039% |
| 82  | 14.680 | 2116 | 2123 | 2129 | rBV3 | 5270917 | 11146086 | 100.00% | 8.801% |
| 83  | 14.741 | 2129 | 2133 | 2139 | rVV  | 1255227 | 2080438  | 18.67%  | 1.643% |
| 84  | 14.906 | 2156 | 2160 | 2161 | rVV2 | 458767  | 588540   | 5.28%   | 0.465% |
| 85  | 14.948 | 2161 | 2167 | 2170 | rVV2 | 2694273 | 5107608  | 45.82%  | 4.033% |
| 86  | 14.979 | 2170 | 2172 | 2178 | rVV  | 1035842 | 1776680  | 15.94%  | 1.403% |
| 87  | 15.058 | 2178 | 2185 | 2191 | rVB2 | 2024495 | 4250183  | 38.13%  | 3.356% |
| 88  | 15.235 | 2203 | 2214 | 2219 | rVB2 | 806110  | 2014371  | 18.07%  | 1.591% |
| 89  | 15.296 | 2219 | 2224 | 2227 | rBV3 | 184799  | 303172   | 2.72%   | 0.239% |
| 90  | 15.345 | 2227 | 2232 | 2236 | rVV3 | 535383  | 927998   | 8.33%   | 0.733% |
| 91  | 15.399 | 2236 | 2241 | 2245 | rVB2 | 411093  | 663770   | 5.96%   | 0.524% |
| 92  | 15.527 | 2255 | 2262 | 2269 | rBV  | 970601  | 1810455  | 16.24%  | 1.430% |
| 93  | 15.601 | 2271 | 2274 | 2279 | rVV  | 172170  | 304821   | 2.73%   | 0.241% |
| 94  | 15.692 | 2279 | 2289 | 2300 | rVV4 | 581471  | 2036454  | 18.27%  | 1.608% |
| 95  | 15.814 | 2304 | 2309 | 2315 | rVB2 | 342777  | 607240   | 5.45%   | 0.479% |
| 96  | 15.887 | 2315 | 2321 | 2327 | rBV3 | 330380  | 733423   | 6.58%   | 0.579% |
| 97  | 16.033 | 2338 | 2345 | 2350 | rBV2 | 257392  | 536826   | 4.82%   | 0.424% |
| 98  | 16.229 | 2369 | 2377 | 2382 | rBV3 | 114416  | 285427   | 2.56%   | 0.225% |
| 99  | 16.296 | 2382 | 2388 | 2393 | rVV  | 408504  | 741693   | 6.65%   | 0.586% |
| 100 | 16.491 | 2413 | 2420 | 2434 | rVB  | 651483  | 1461693  | 13.11%  | 1.154% |

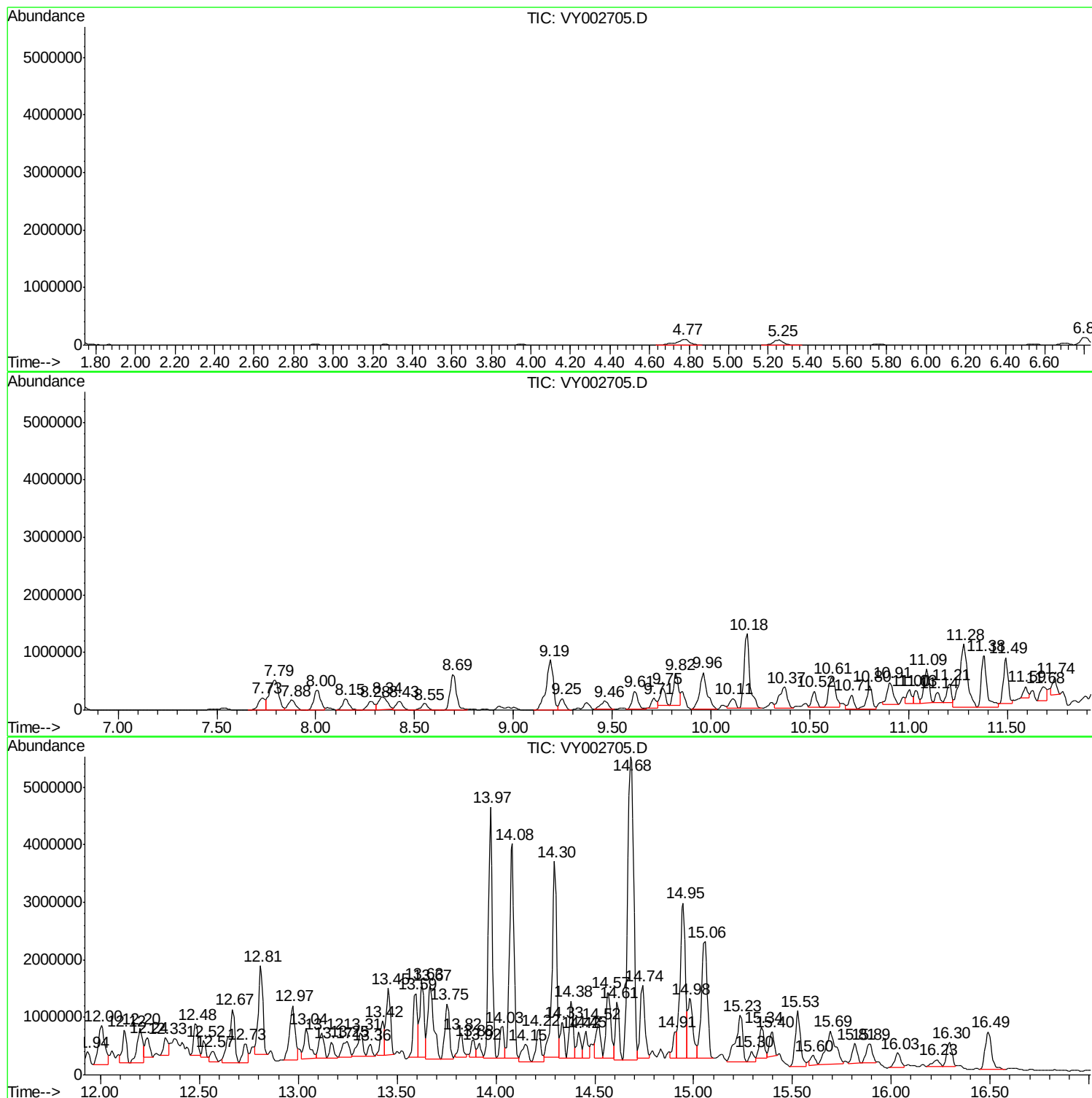
Sum of corrected areas: 126640557

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y051520S.M  
Quant Title : SW846 8260

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



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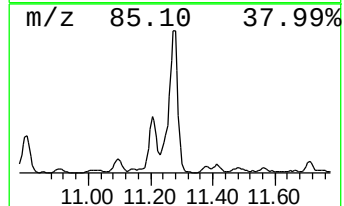
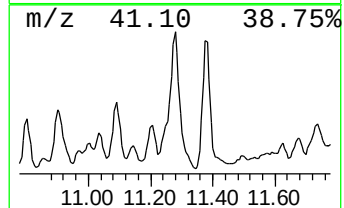
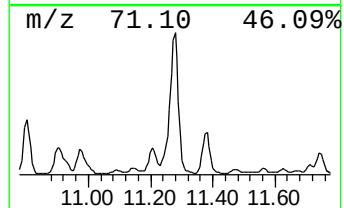
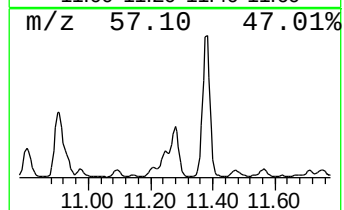
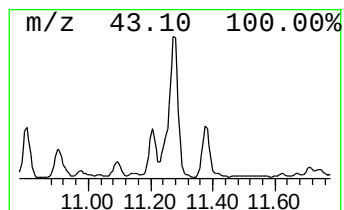
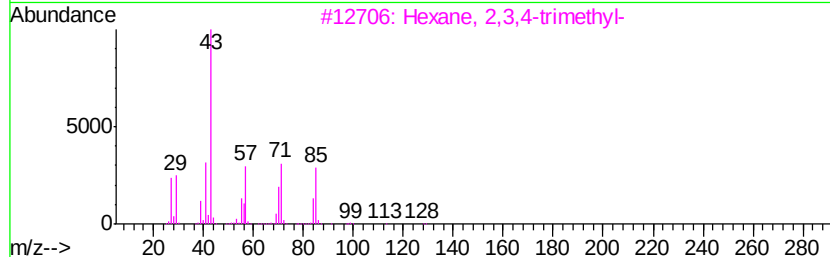
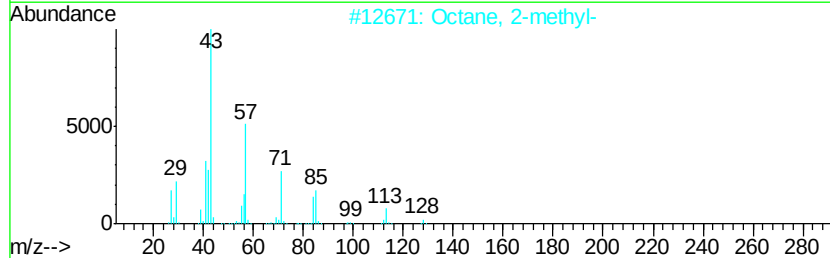
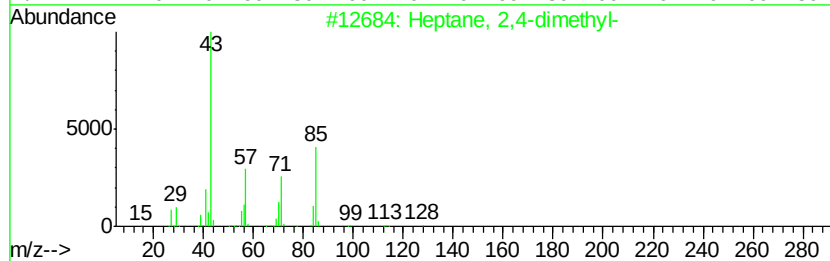
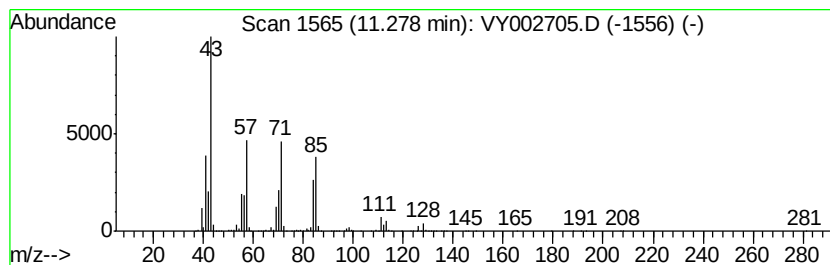
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y051520S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Heptane, 2,4-dimethyl- Concentration Rank 10

| R.T.    | EstConc     | Area                     | Relative to ISTD | R.T.    |             |      |
|---------|-------------|--------------------------|------------------|---------|-------------|------|
| 11.28   | 111.78 ug/l | 2980880                  | Chlorobenzene-d5 | 11.49   |             |      |
| Hit# of | 5           | Tentative ID             | MW               | MolForm | CAS#        | Qual |
| 1       |             | Heptane, 2,4-dimethyl-   | 128              | C9H20   | 002213-23-2 | 58   |
| 2       |             | Octane, 2-methyl-        | 128              | C9H20   | 003221-61-2 | 52   |
| 3       |             | Hexane, 2,3,4-trimethyl- | 128              | C9H20   | 000921-47-1 | 50   |
| 4       |             | Octane, 4-methyl-        | 128              | C9H20   | 002216-34-4 | 50   |
| 5       |             | Hexane, 3-ethyl-         | 114              | C8H18   | 000619-99-8 | 47   |



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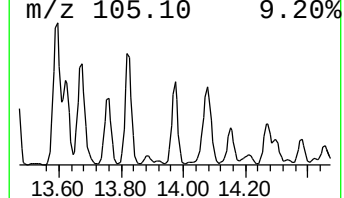
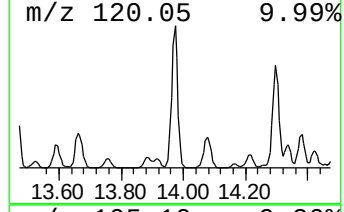
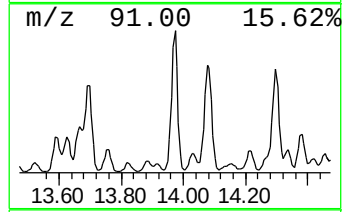
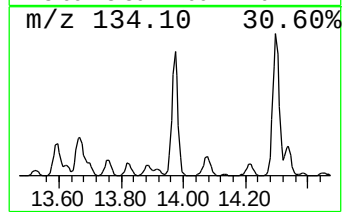
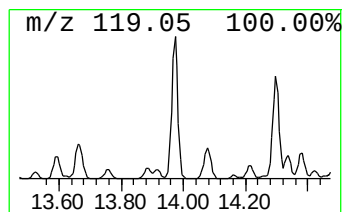
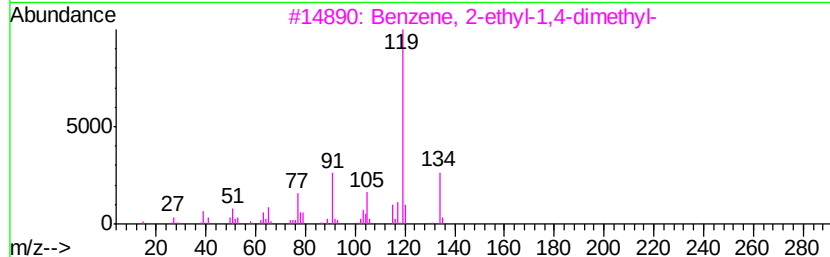
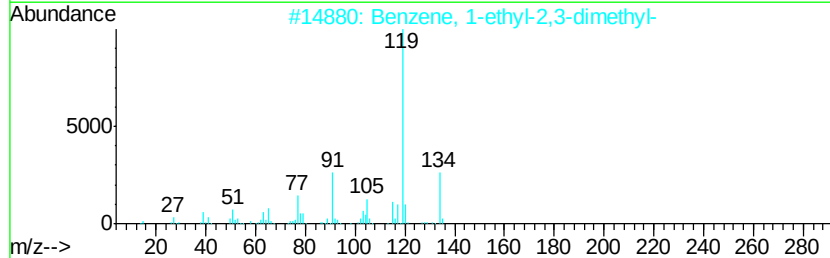
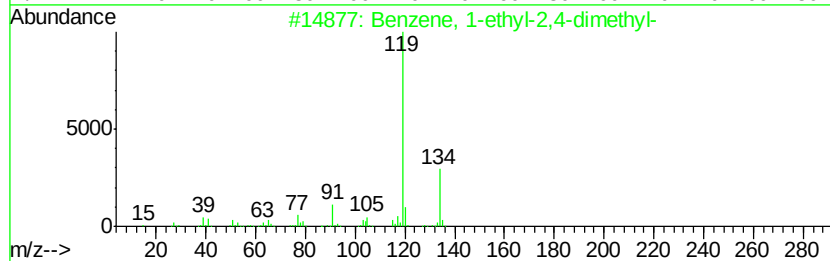
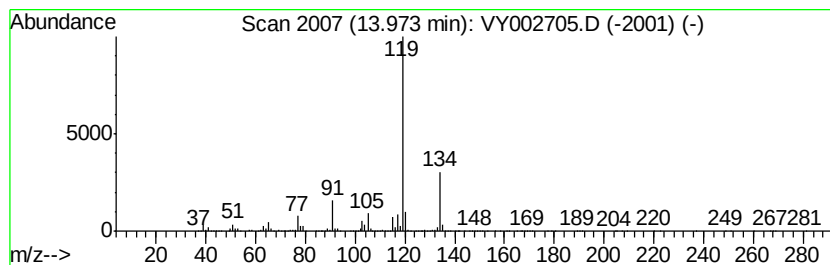
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 2

| R.T.    | EstConc                        | Area         | Relative to ISTD       | R.T.      |
|---------|--------------------------------|--------------|------------------------|-----------|
| 13.97   | 365.35 ug/l                    | 6172530      | 1,4-Dichlorobenzene-d4 | 13.42     |
| Hit# of | 5                              | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Benzene, 1-ethyl-2,4-dimethyl- | 134 C10H14   | 000874-41-9            | 97        |
| 2       | Benzene, 1-ethyl-2,3-dimethyl- | 134 C10H14   | 000933-98-2            | 96        |
| 3       | Benzene, 2-ethyl-1,4-dimethyl- | 134 C10H14   | 001758-88-9            | 96        |
| 4       | Benzene, 4-ethyl-1,2-dimethyl- | 134 C10H14   | 000934-80-5            | 95        |
| 5       | Benzene, 2-ethyl-1,3-dimethyl- | 134 C10H14   | 002870-04-4            | 95        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY051820\  
Data File : VY002705.D  
Acq On : 18 May 2020 12:50  
Operator : SY/MD  
Sample : L2674-01  
Misc : 7.28G/5ML/MSVOA Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PS-STOCK-4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y051520S.M  
Quant Title : SW846 8260

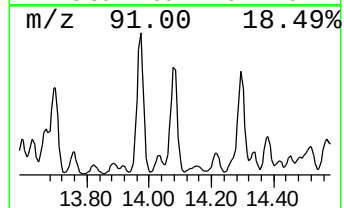
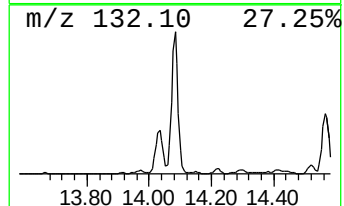
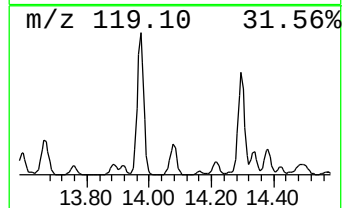
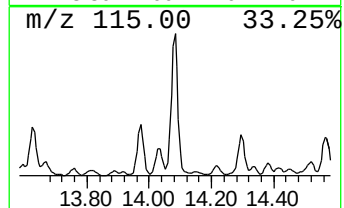
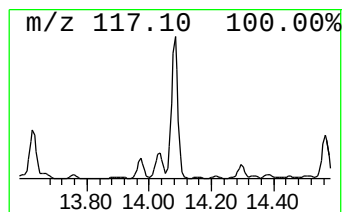
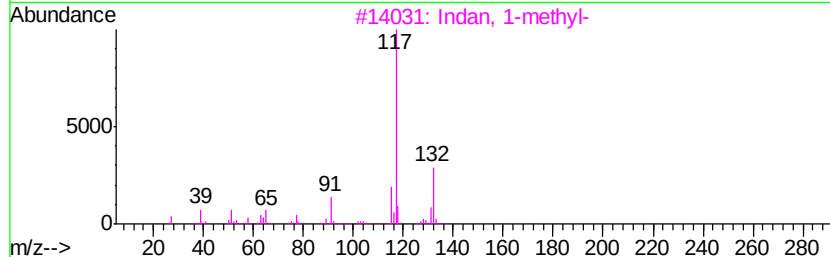
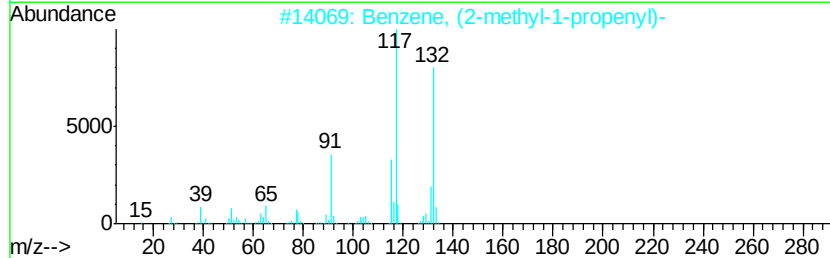
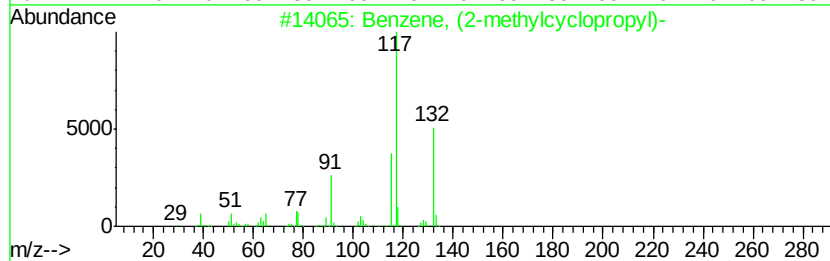
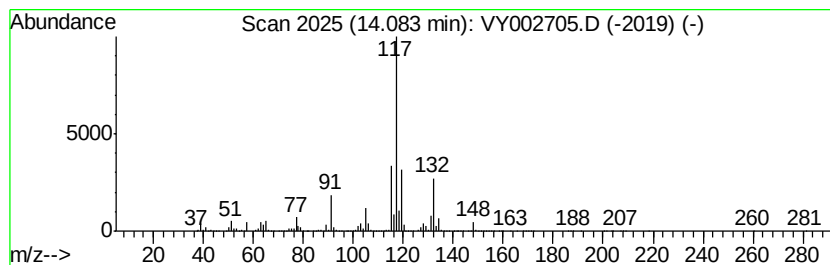
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Benzene, (2-methylcycloprop... Concentration Rank 3

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 14.08 | 349.78 ug/l | 5909420 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#         | Qual |
|------|----|----------------------------------|-----|---------|--------------|------|
| 1    | 5  | Benzene, (2-methylcyclopropyl)-  | 132 | C10H12  | 1000327-39-0 | 93   |
| 2    |    | Benzene, (2-methyl-1-propenyl)-  | 132 | C10H12  | 000768-49-0  | 81   |
| 3    |    | Indan, 1-methyl-                 | 132 | C10H12  | 000767-58-8  | 76   |
| 4    |    | Benzene, 1-ethenyl-3-ethyl-      | 132 | C10H12  | 007525-62-4  | 74   |
| 5    |    | 1H-Indene, 2,3-dihydro-2-methyl- | 132 | C10H12  | 000824-63-5  | 74   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY051820\  
Data File : VY002705.D  
Acq On : 18 May 2020 12:50  
Operator : SY/MD  
Sample : L2674-01  
Misc : 7.28G/5ML/MSVOA Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampled :  
PS-STOCK-4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y051520S.M  
Quant Title : SW846 8260

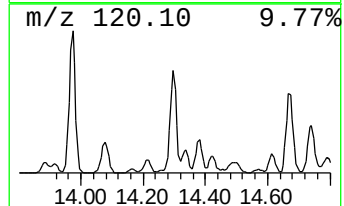
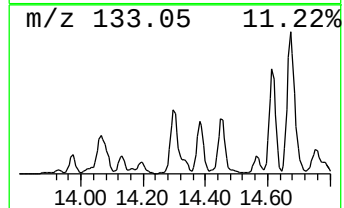
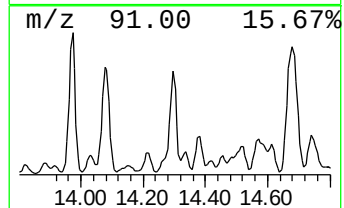
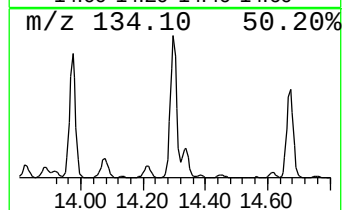
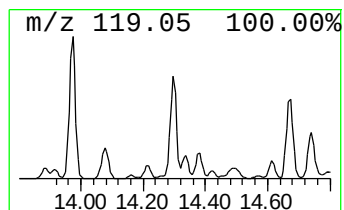
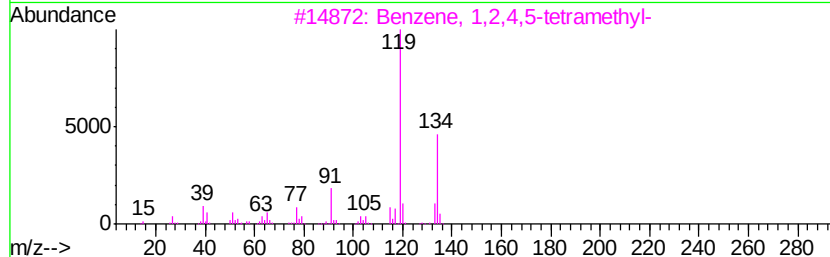
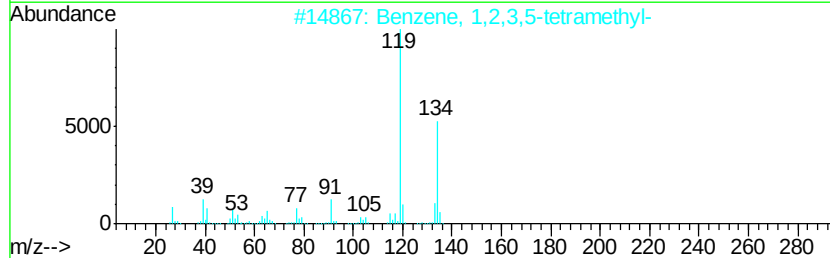
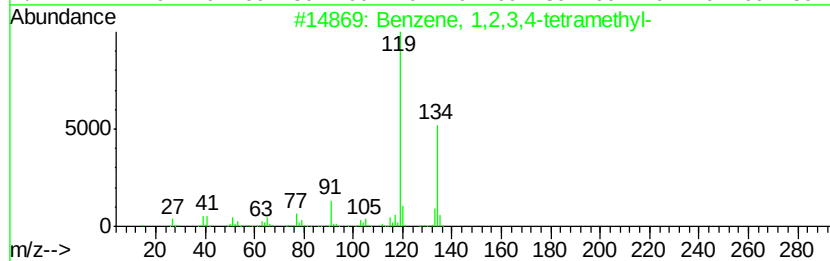
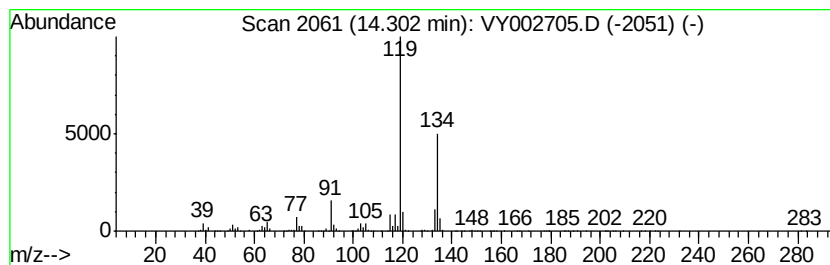
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 14.30 | 329.12 ug/l | 5560420 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 97   |
| 2    |    | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 97   |
| 3    |    | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 96   |
| 4    |    | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 94   |
| 5    |    | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 91   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY051820\  
Data File : VY002705.D  
Acq On : 18 May 2020 12:50  
Operator : SY/MD  
Sample : L2674-01  
Misc : 7.28G/5ML/MSVOA Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PS-STOCK-4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y051520S.M  
Quant Title : SW846 8260

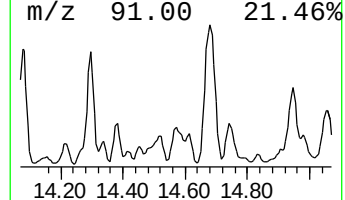
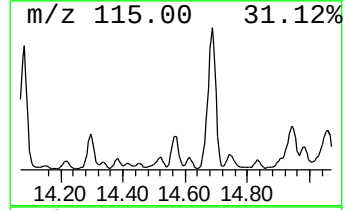
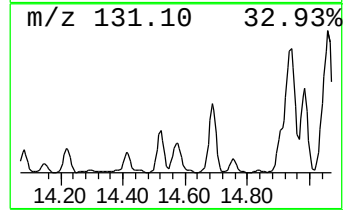
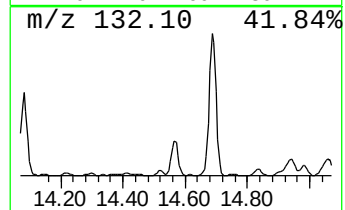
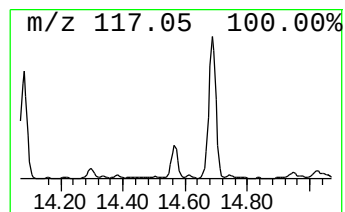
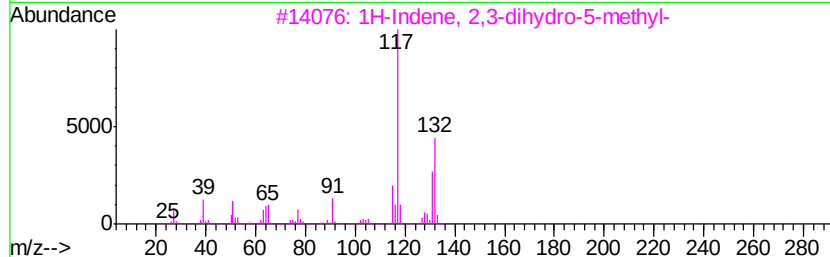
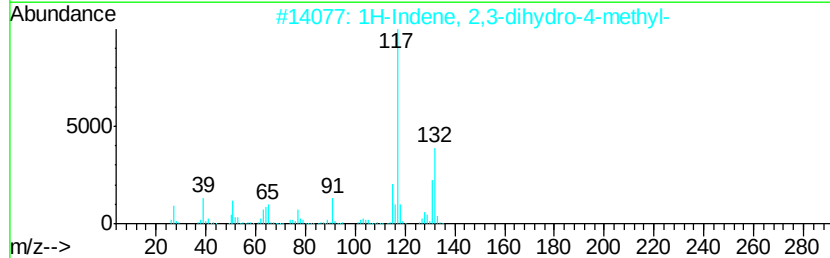
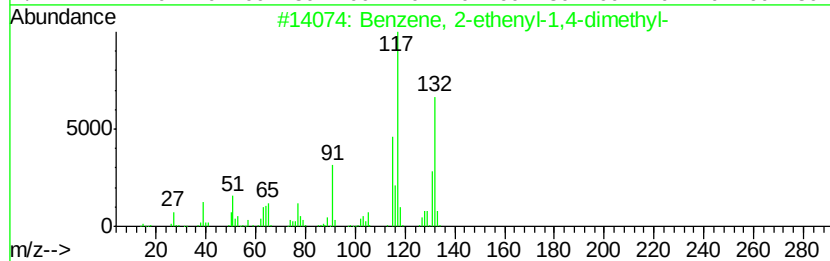
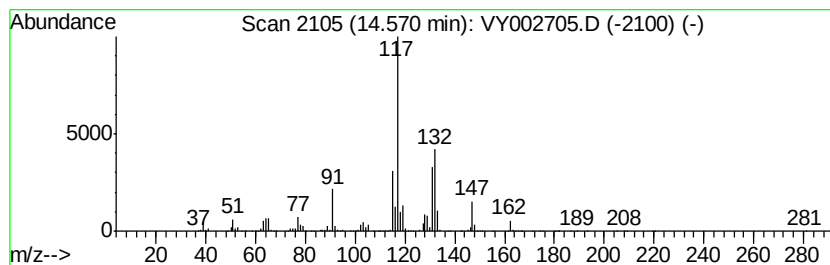
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 9

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 14.57 | 118.94 ug/l | 2009470 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|---------|---|----------------------------------|-----|---------|-------------|------|
| 1       |   | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 90   |
| 2       |   | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 83   |
| 3       |   | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 81   |
| 4       |   | Benzene, 1-ethenyl-3-ethyl-      | 132 | C10H12  | 007525-62-4 | 81   |
| 5       |   | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 76   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY051820\  
Data File : VY002705.D  
Acq On : 18 May 2020 12:50  
Operator : SY/MD  
Sample : L2674-01  
Misc : 7.28G/5ML/MSVOA Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PS-STOCK-4

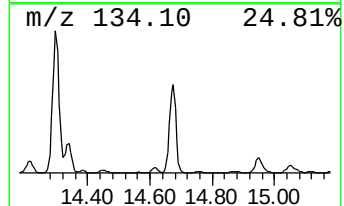
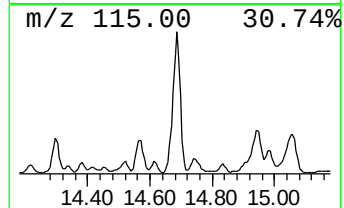
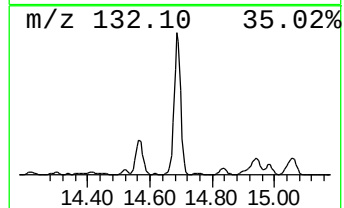
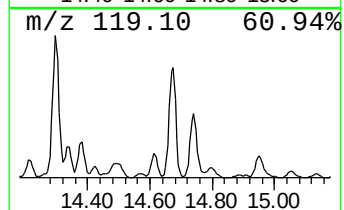
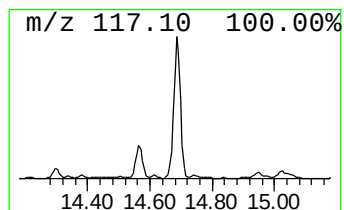
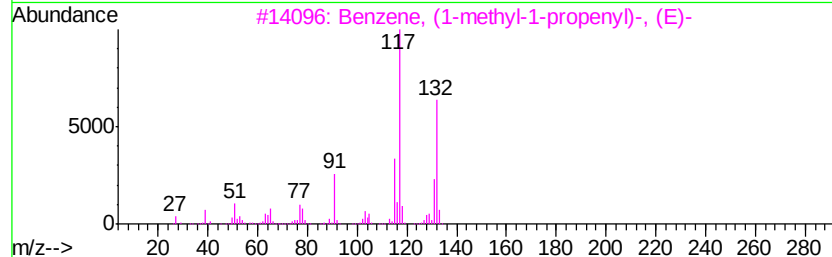
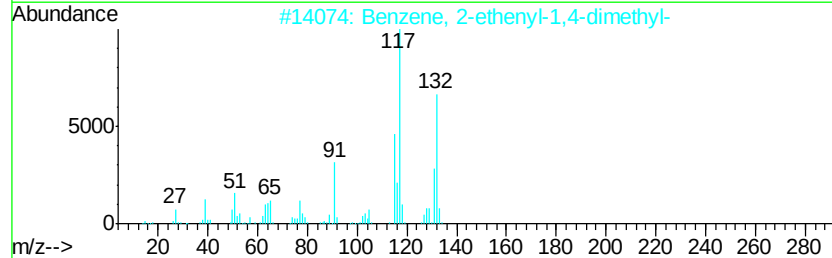
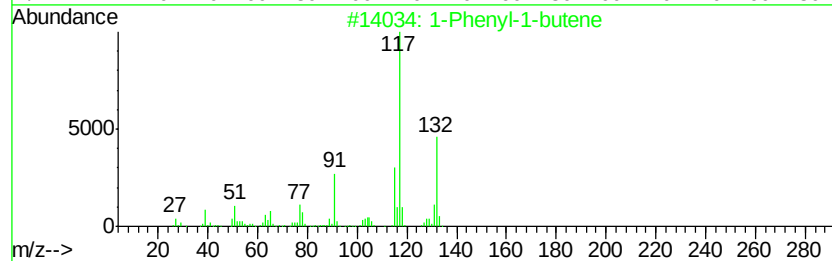
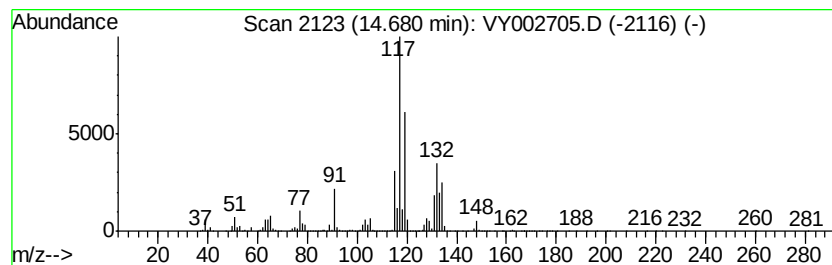
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Quant Title : SW846 8260

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

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Peak Number 6 1-Phenyl-1-butene Concentration Rank 1

| R.T.  | EstConc     | Area     | Relative to ISTD       | R.T.  |
|-------|-------------|----------|------------------------|-------|
| 14.68 | 659.73 ug/l | 11146100 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1-Phenyl-1-butene                   | 132 | C10H12  | 000824-90-8 | 90   |
| 2    |    | Benzene, 2-ethenyl-1,4-dimethyl-    | 132 | C10H12  | 002039-89-6 | 89   |
| 3    |    | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 83   |
| 4    |    | 3-Phenylbut-1-ene                   | 132 | C10H12  | 000934-10-1 | 64   |
| 5    |    | Benzene, 1-methyl-2-(2-propenyl)-   | 132 | C10H12  | 001587-04-8 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY051820\  
Data File : VY002705.D  
Acq On : 18 May 2020 12:50  
Operator : SY/MD  
Sample : L2674-01  
Misc : 7.28G/5ML/MSVOA Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PS-STOCK-4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y051520S.M  
Quant Title : SW846 8260

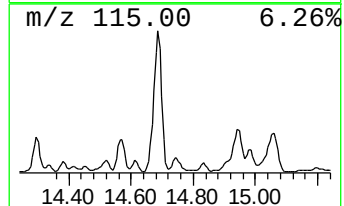
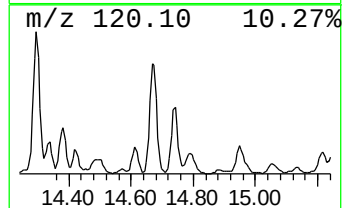
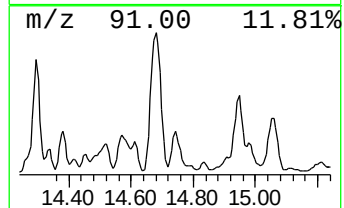
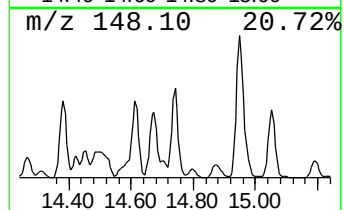
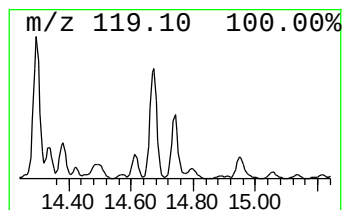
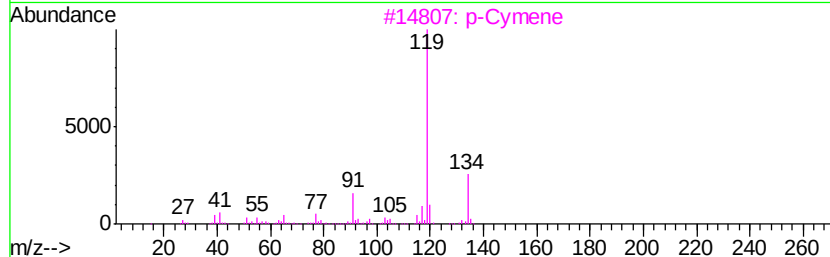
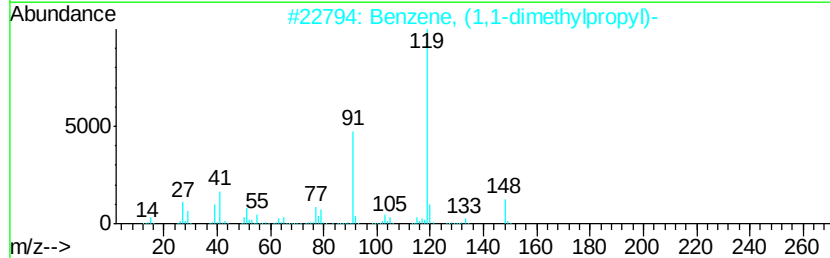
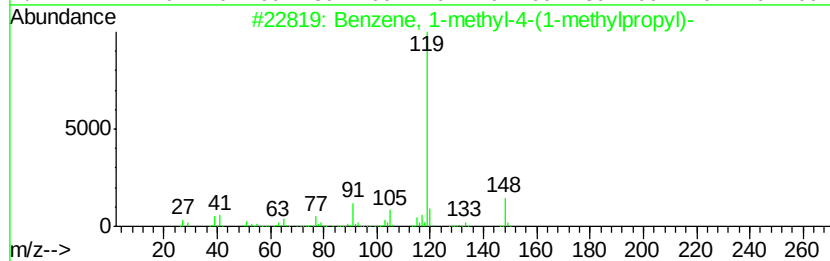
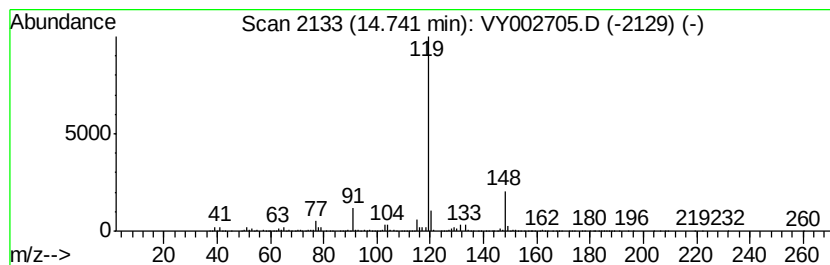
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Benzene, 1-methyl-4-(1-meth... Concentration Rank 7

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 14.74 | 123.14 ug/l | 2080440 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16  | 001595-16-0 | 90   |
| 2    |    | Benzene, (1,1-dimethylpropyl)-      | 148 | C11H16  | 002049-95-8 | 86   |
| 3    |    | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 59   |
| 4    |    | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 59   |
| 5    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 59   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY051820\  
Data File : VY002705.D  
Acq On : 18 May 2020 12:50  
Operator : SY/MD  
Sample : L2674-01  
Misc : 7.28G/5ML/MSVOA Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PS-STOCK-4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y051520S.M  
Quant Title : SW846 8260

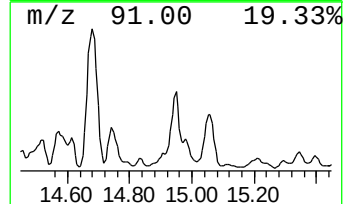
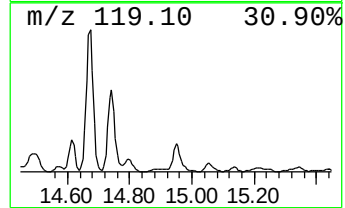
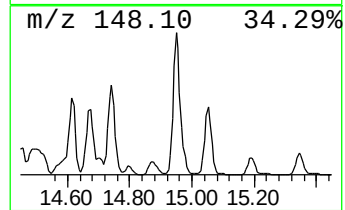
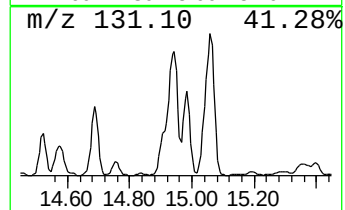
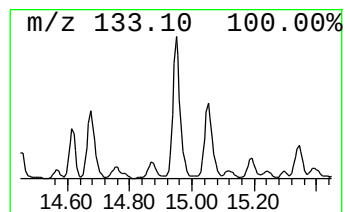
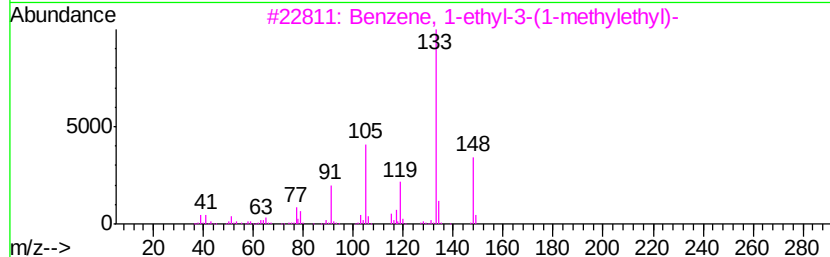
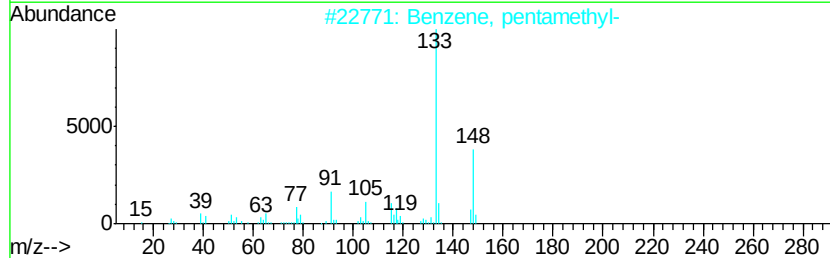
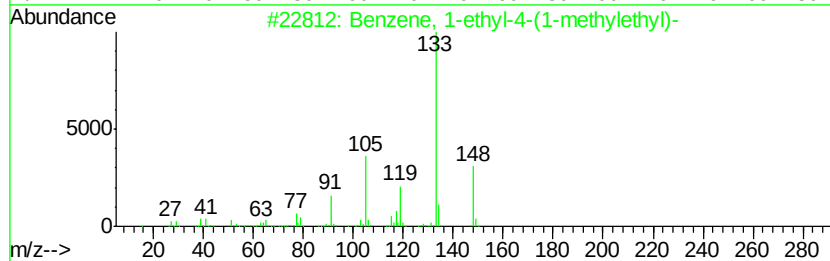
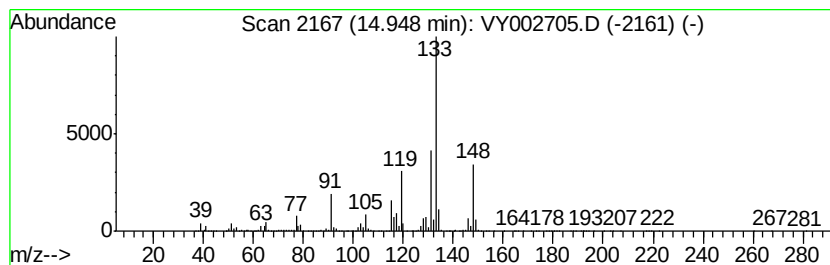
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 5

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 14.95 | 302.32 ug/l | 5107610 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16  | 004218-48-8 | 70   |
| 2    |    | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 58   |
| 3    |    | Benzene, 1-ethyl-3-(1-methylethyl)- | 148 | C11H16  | 004920-99-4 | 58   |
| 4    |    | Benzene, 1-ethyl-2,4,5-trimethyl-   | 148 | C11H16  | 017851-27-3 | 53   |
| 5    |    | 2-tert-Butyltoluene                 | 148 | C11H16  | 001074-92-6 | 52   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY051820\  
Data File : VY002705.D  
Acq On : 18 May 2020 12:50  
Operator : SY/MD  
Sample : L2674-01  
Misc : 7.28G/5ML/MSVOA Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

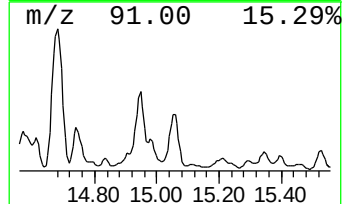
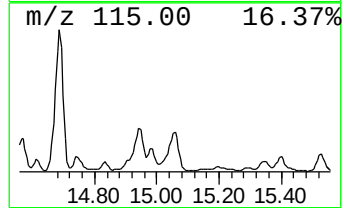
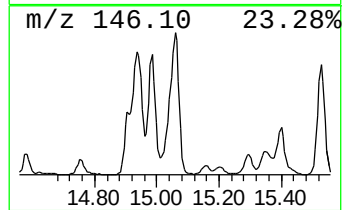
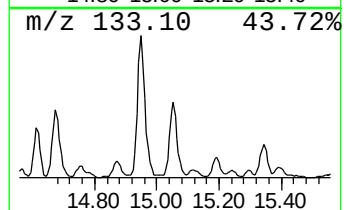
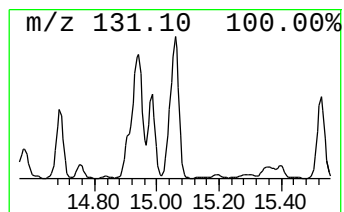
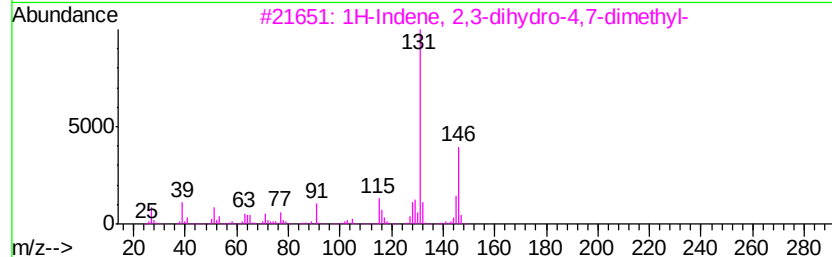
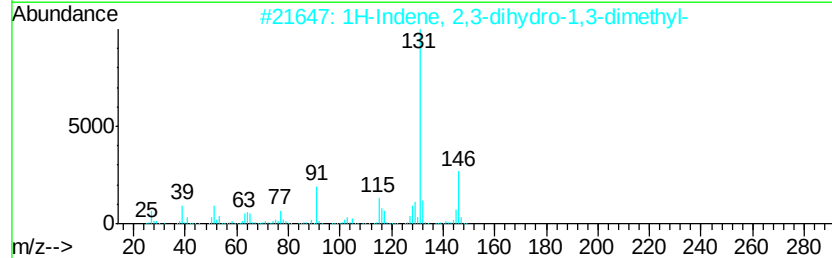
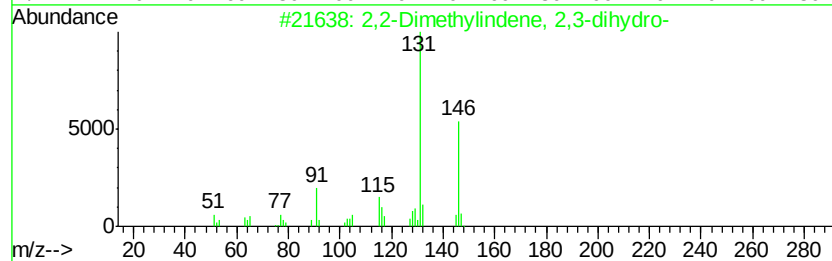
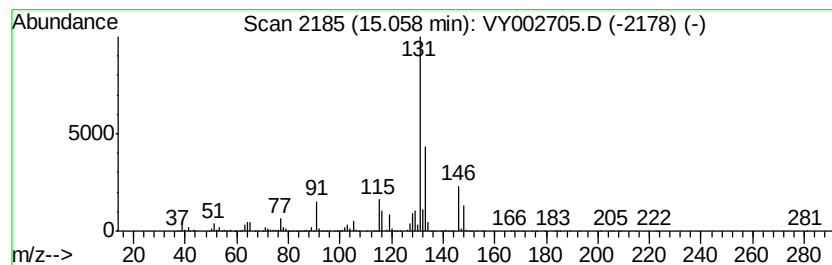
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PS-STOCK-4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y051520S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 2,2-Dimethylindene, 2,3-dih... Concentration Rank 6

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 15.06   | 251.57 ug/l                         | 4250180      | 1,4-Dichlorobenzene-d4 | 13.42     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | 2,2-Dimethylindene, 2,3-dihydro-    | 146 C11H14   | 020836-11-7            | 70        |
| 2       | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 C11H14   | 004175-53-5            | 70        |
| 3       | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 C11H14   | 006682-71-9            | 62        |
| 4       | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 C11H14   | 017059-48-2            | 62        |
| 5       | Naphthalene, 1,2,3,4-tetrahydro-    | 146 C11H14   | 001559-81-5            | 62        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY051820\  
Data File : VY002705.D  
Acq On : 18 May 2020 12:50  
Operator : SY/MD  
Sample : L2674-01  
Misc : 7.28G/5ML/MSVOA Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PS-STOCK-4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y051520S.M  
Quant Title : SW846 8260

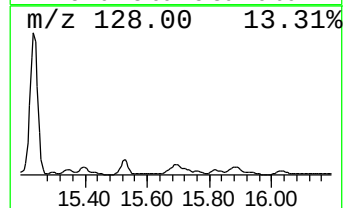
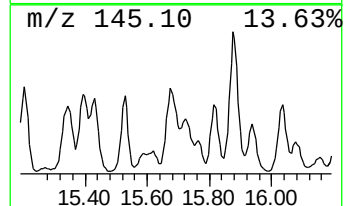
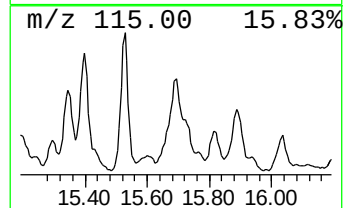
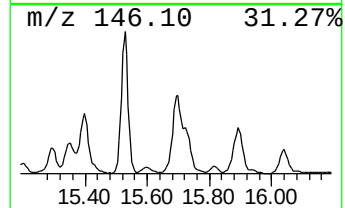
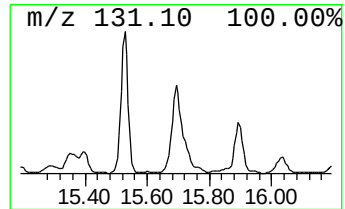
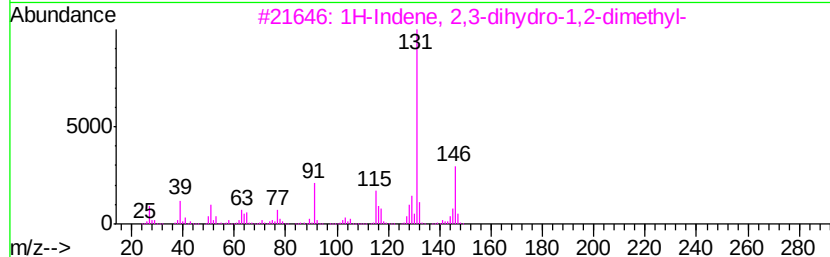
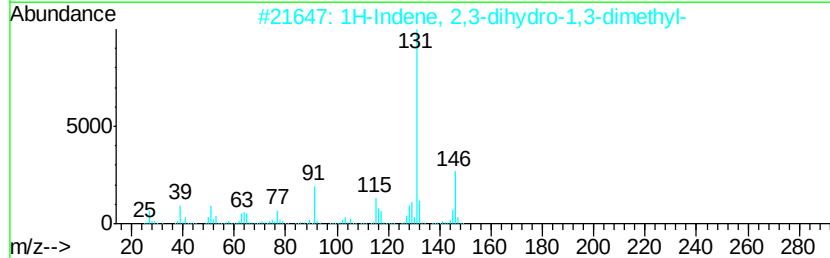
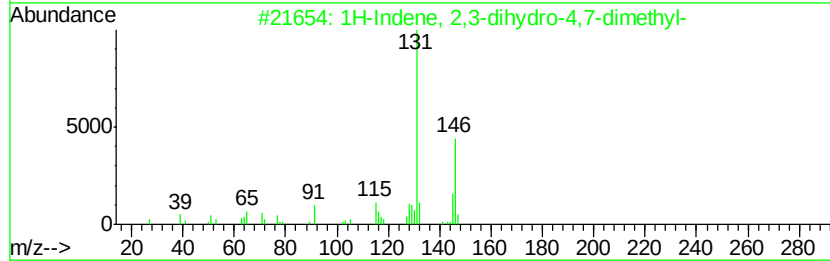
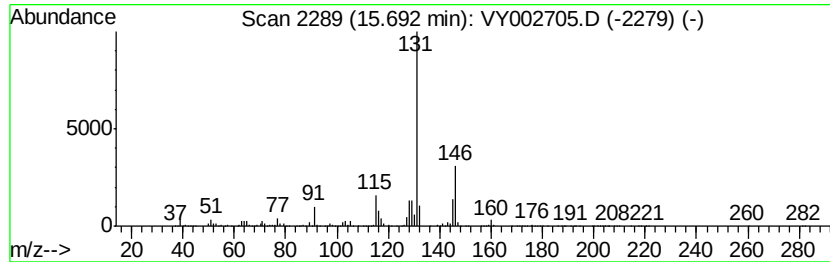
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 8

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 15.69 | 120.54 ug/l | 2036450 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 94   |
| 2    |    | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 91   |
| 3    |    | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 91   |
| 4    |    | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14  | 001075-22-5 | 90   |
| 5    |    | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14  | 000769-57-3 | 87   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\DATA\VY051820\  
Data File : VY002705.D  
Acq On : 18 May 2020 12:50  
Operator : SY/MD  
Sample : L2674-01  
Misc : 7.28G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PS-STOCK-4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y051520S.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 |
| Heptane, 2,4-dime... | 11.28 | 111.8   | ug/l  | 2980880  | 3                     | 11.49 | 1333400 | 50.0 |
| Benzene, 1-ethyl-... | 13.97 | 365.4   | ug/l  | 6172530  | 4                     | 13.42 | 844746  | 50.0 |
| Benzene, (2-methy... | 14.08 | 349.8   | ug/l  | 5909420  | 4                     | 13.42 | 844746  | 50.0 |
| Benzene, 1,2,3,4-... | 14.30 | 329.1   | ug/l  | 5560420  | 4                     | 13.42 | 844746  | 50.0 |
| Benzene, 2-etheny... | 14.57 | 118.9   | ug/l  | 2009470  | 4                     | 13.42 | 844746  | 50.0 |
| 1-Phenyl-1-butene    | 14.68 | 659.7   | ug/l  | 11146100 | 4                     | 13.42 | 844746  | 50.0 |
| Benzene, 1-methyl... | 14.74 | 123.1   | ug/l  | 2080440  | 4                     | 13.42 | 844746  | 50.0 |
| Benzene, 1-ethyl-... | 14.95 | 302.3   | ug/l  | 5107610  | 4                     | 13.42 | 844746  | 50.0 |
| 2,2-Dimethylinden... | 15.06 | 251.6   | ug/l  | 4250180  | 4                     | 13.42 | 844746  | 50.0 |
| 1H-Indene, 2,3-di... | 15.69 | 120.5   | ug/l  | 2036450  | 4                     | 13.42 | 844746  | 50.0 |