

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020320\  
 Data File : VY001476.D  
 Acq On : 03 Feb 2020 16:29  
 Operator : SY/MD  
 Sample : L1383-01  
 Misc : 6.62G/5ML/MSVOA Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-A

## 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\82Y012120S.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         | 3.975       | 358           | 367         | 376          | rBV2     | 4497           | 13241         | 1.13%           | 0.084%        |
| 2         | 4.737       | 481           | 492         | 508          | rBV      | 19846          | 65801         | 5.61%           | 0.415%        |
| 3         | 7.736       | 973           | 984         | 989          | rBV      | 152337         | 369923        | 31.52%          | 2.335%        |
| 4         | 7.803       | 989           | 995         | 1005         | rVB      | 263954         | 601382        | 51.24%          | 3.795%        |
| 5         | 8.010       | 1021          | 1029        | 1036         | rBV5     | 4891           | 12603         | 1.07%           | 0.080%        |
| 6         | 8.157       | 1042          | 1053        | 1065         | rVB      | 155299         | 346448        | 29.52%          | 2.186%        |
| 7         | 8.699       | 1133          | 1142        | 1153         | rBV      | 419386         | 840420        | 71.60%          | 5.304%        |
| 8         | 9.193       | 1209          | 1223        | 1229         | rBV3     | 14542          | 39158         | 3.34%           | 0.247%        |
| 9         | 9.620       | 1286          | 1293        | 1298         | rBV6     | 5570           | 12707         | 1.08%           | 0.080%        |
| 10        | 9.821       | 1322          | 1326        | 1330         | rBV3     | 8783           | 15088         | 1.29%           | 0.095%        |
| 11        | 9.961       | 1339          | 1349        | 1360         | rBV2     | 13645          | 34956         | 2.98%           | 0.221%        |
| 12        | 10.181      | 1378          | 1385        | 1393         | rBV      | 655868         | 1173745       | 100.00%         | 7.408%        |
| 13        | 10.370      | 1408          | 1416        | 1422         | rVB5     | 15471          | 36664         | 3.12%           | 0.231%        |
| 14        | 10.620      | 1449          | 1457        | 1463         | rBV6     | 11921          | 27859         | 2.37%           | 0.176%        |
| 15        | 10.809      | 1478          | 1488        | 1492         | rBV3     | 10977          | 22653         | 1.93%           | 0.143%        |
| 16        | 10.906      | 1500          | 1504        | 1511         | rVB      | 10004          | 19932         | 1.70%           | 0.126%        |
| 17        | 11.040      | 1523          | 1526        | 1530         | rVB2     | 10008          | 13594         | 1.16%           | 0.086%        |
| 18        | 11.089      | 1530          | 1534        | 1540         | rBV2     | 16881          | 26426         | 2.25%           | 0.167%        |
| 19        | 11.205      | 1549          | 1553        | 1557         | rBV3     | 10133          | 15679         | 1.34%           | 0.099%        |
| 20        | 11.284      | 1557          | 1566        | 1576         | rVB4     | 35601          | 94047         | 8.01%           | 0.594%        |
| 21        | 11.382      | 1576          | 1582        | 1593         | rBV      | 33880          | 58743         | 5.00%           | 0.371%        |
| 22        | 11.491      | 1593          | 1600        | 1610         | rBV      | 621507         | 1010075       | 86.06%          | 6.375%        |
| 23        | 11.595      | 1612          | 1617        | 1621         | rBV      | 30096          | 50674         | 4.32%           | 0.320%        |
| 24        | 11.705      | 1626          | 1635        | 1640         | rBV2     | 78349          | 182116        | 15.52%          | 1.149%        |
| 25        | 11.784      | 1645          | 1648        | 1652         | rVB3     | 12517          | 19638         | 1.67%           | 0.124%        |
| 26        | 11.937      | 1670          | 1673        | 1676         | rBV4     | 9283           | 14075         | 1.20%           | 0.089%        |
| 27        | 12.010      | 1678          | 1685        | 1686         | rBV4     | 43281          | 74618         | 6.36%           | 0.471%        |
| 28        | 12.126      | 1701          | 1704        | 1708         | rVB      | 29671          | 40624         | 3.46%           | 0.256%        |
| 29        | 12.205      | 1712          | 1717        | 1720         | rVV5     | 19521          | 34081         | 2.90%           | 0.215%        |
| 30        | 12.241      | 1720          | 1723        | 1728         | rVB4     | 21593          | 36247         | 3.09%           | 0.229%        |
| 31        | 12.339      | 1734          | 1739        | 1742         | rBV2     | 22042          | 38418         | 3.27%           | 0.242%        |
| 32        | 12.443      | 1754          | 1756        | 1758         | rVV      | 15599          | 16701         | 1.42%           | 0.105%        |
| 33        | 12.485      | 1758          | 1763        | 1768         | rVV      | 483928         | 736642        | 62.76%          | 4.649%        |
| 34        | 12.528      | 1768          | 1770        | 1774         | rVB2     | 29623          | 29785         | 2.54%           | 0.188%        |

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 Misc : 6.62G/5ML/MSVOA Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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## 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\82Y012120S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 12.674 | 1785 | 1794 | 1798 | rVB  | 67748  | 134796  | 11.48% | 0.851% |
| 36 | 12.735 | 1799 | 1804 | 1808 | rBV  | 98459  | 172013  | 14.66% | 1.086% |
| 37 | 12.772 | 1808 | 1810 | 1813 | rVV  | 59391  | 83223   | 7.09%  | 0.525% |
| 38 | 12.814 | 1813 | 1817 | 1822 | rVB2 | 135048 | 217104  | 18.50% | 1.370% |
| 39 | 12.973 | 1836 | 1843 | 1847 | rBV  | 50670  | 110641  | 9.43%  | 0.698% |
| 40 | 13.046 | 1851 | 1855 | 1861 | rVV  | 39150  | 63237   | 5.39%  | 0.399% |
| 41 | 13.125 | 1862 | 1868 | 1873 | rVV  | 268481 | 402512  | 34.29% | 2.540% |
| 42 | 13.174 | 1873 | 1876 | 1881 | rVB4 | 29297  | 41109   | 3.50%  | 0.259% |
| 43 | 13.253 | 1881 | 1889 | 1892 | rBV6 | 21529  | 61909   | 5.27%  | 0.391% |
| 44 | 13.320 | 1892 | 1900 | 1904 | rVV4 | 48635  | 98461   | 8.39%  | 0.621% |
| 45 | 13.369 | 1904 | 1908 | 1911 | rVV3 | 34527  | 44844   | 3.82%  | 0.283% |
| 46 | 13.430 | 1911 | 1918 | 1928 | rVV2 | 612911 | 1160892 | 98.90% | 7.326% |
| 47 | 13.509 | 1928 | 1931 | 1937 | rVB3 | 35059  | 52191   | 4.45%  | 0.329% |
| 48 | 13.601 | 1941 | 1946 | 1948 | rBV  | 70609  | 117170  | 9.98%  | 0.739% |
| 49 | 13.631 | 1948 | 1951 | 1954 | rVV  | 139750 | 189203  | 16.12% | 1.194% |
| 50 | 13.674 | 1954 | 1958 | 1966 | rVB4 | 148094 | 299106  | 25.48% | 1.888% |
| 51 | 13.759 | 1967 | 1972 | 1976 | rBV3 | 107512 | 160654  | 13.69% | 1.014% |
| 52 | 13.826 | 1978 | 1983 | 1988 | rVB2 | 54092  | 90770   | 7.73%  | 0.573% |
| 53 | 13.893 | 1989 | 1994 | 1996 | rBV  | 70695  | 110486  | 9.41%  | 0.697% |
| 54 | 13.918 | 1996 | 1998 | 2003 | rVB2 | 75378  | 96248   | 8.20%  | 0.607% |
| 55 | 13.979 | 2003 | 2008 | 2013 | rBV  | 291491 | 418269  | 35.64% | 2.640% |
| 56 | 14.034 | 2013 | 2017 | 2021 | rVB2 | 42206  | 66893   | 5.70%  | 0.422% |
| 57 | 14.089 | 2021 | 2026 | 2030 | rBV  | 164083 | 248761  | 21.19% | 1.570% |
| 58 | 14.150 | 2031 | 2036 | 2042 | rVB6 | 32702  | 77516   | 6.60%  | 0.489% |
| 59 | 14.223 | 2043 | 2048 | 2051 | rBV3 | 65948  | 120885  | 10.30% | 0.763% |
| 60 | 14.302 | 2056 | 2061 | 2064 | rVV2 | 211901 | 376527  | 32.08% | 2.376% |
| 61 | 14.339 | 2064 | 2067 | 2072 | rVV  | 199175 | 301030  | 25.65% | 1.900% |
| 62 | 14.387 | 2072 | 2075 | 2078 | rVV2 | 117171 | 166173  | 14.16% | 1.049% |
| 63 | 14.424 | 2078 | 2081 | 2086 | rVV  | 74355  | 120578  | 10.27% | 0.761% |
| 64 | 14.485 | 2089 | 2091 | 2094 | rVV3 | 26348  | 33058   | 2.82%  | 0.209% |
| 65 | 14.528 | 2094 | 2098 | 2101 | rVV2 | 58612  | 81263   | 6.92%  | 0.513% |
| 66 | 14.570 | 2101 | 2105 | 2110 | rVV2 | 178283 | 316726  | 26.98% | 1.999% |
| 67 | 14.619 | 2110 | 2113 | 2118 | rVB  | 150727 | 201044  | 17.13% | 1.269% |
| 68 | 14.692 | 2118 | 2125 | 2130 | rBV3 | 307569 | 681225  | 58.04% | 4.299% |
| 69 | 14.741 | 2130 | 2133 | 2140 | rVB4 | 111604 | 205405  | 17.50% | 1.296% |
| 70 | 14.838 | 2146 | 2149 | 2153 | rBV2 | 39105  | 59924   | 5.11%  | 0.378% |
| 71 | 14.887 | 2153 | 2157 | 2158 | rBV3 | 20198  | 29614   | 2.52%  | 0.187% |

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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-A

## 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\_Y\METHODS\82Y012120S.M  
Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 14.912 | 2159 | 2161 | 2163 | rBV2 | 18114  | 20458  | 1.74%  | 0.129% |
| 73 | 14.954 | 2163 | 2168 | 2171 | rVV3 | 120755 | 187333 | 15.96% | 1.182% |
| 74 | 15.064 | 2180 | 2186 | 2192 | rVB2 | 146113 | 299773 | 25.54% | 1.892% |
| 75 | 15.241 | 2205 | 2215 | 2221 | rBV  | 271769 | 547954 | 46.68% | 3.458% |
| 76 | 15.351 | 2228 | 2233 | 2237 | rBV3 | 72381  | 125909 | 10.73% | 0.795% |
| 77 | 15.405 | 2238 | 2242 | 2245 | rVV2 | 33274  | 49437  | 4.21%  | 0.312% |
| 78 | 15.442 | 2245 | 2248 | 2256 | rVB3 | 62768  | 106202 | 9.05%  | 0.670% |
| 79 | 15.533 | 2257 | 2263 | 2270 | rBV2 | 86929  | 175463 | 14.95% | 1.107% |
| 80 | 15.613 | 2272 | 2276 | 2280 | rVB5 | 24590  | 42155  | 3.59%  | 0.266% |
| 81 | 15.698 | 2281 | 2290 | 2294 | rBV4 | 48881  | 142131 | 12.11% | 0.897% |
| 82 | 15.826 | 2307 | 2311 | 2315 | rVB3 | 27505  | 44931  | 3.83%  | 0.284% |
| 83 | 15.893 | 2316 | 2322 | 2329 | rVV5 | 35866  | 74737  | 6.37%  | 0.472% |
| 84 | 16.039 | 2340 | 2346 | 2351 | rBV8 | 23395  | 50802  | 4.33%  | 0.321% |
| 85 | 16.302 | 2382 | 2389 | 2396 | rBV  | 180149 | 351796 | 29.97% | 2.220% |
| 86 | 16.497 | 2414 | 2421 | 2434 | rVB  | 125681 | 289980 | 24.71% | 1.830% |

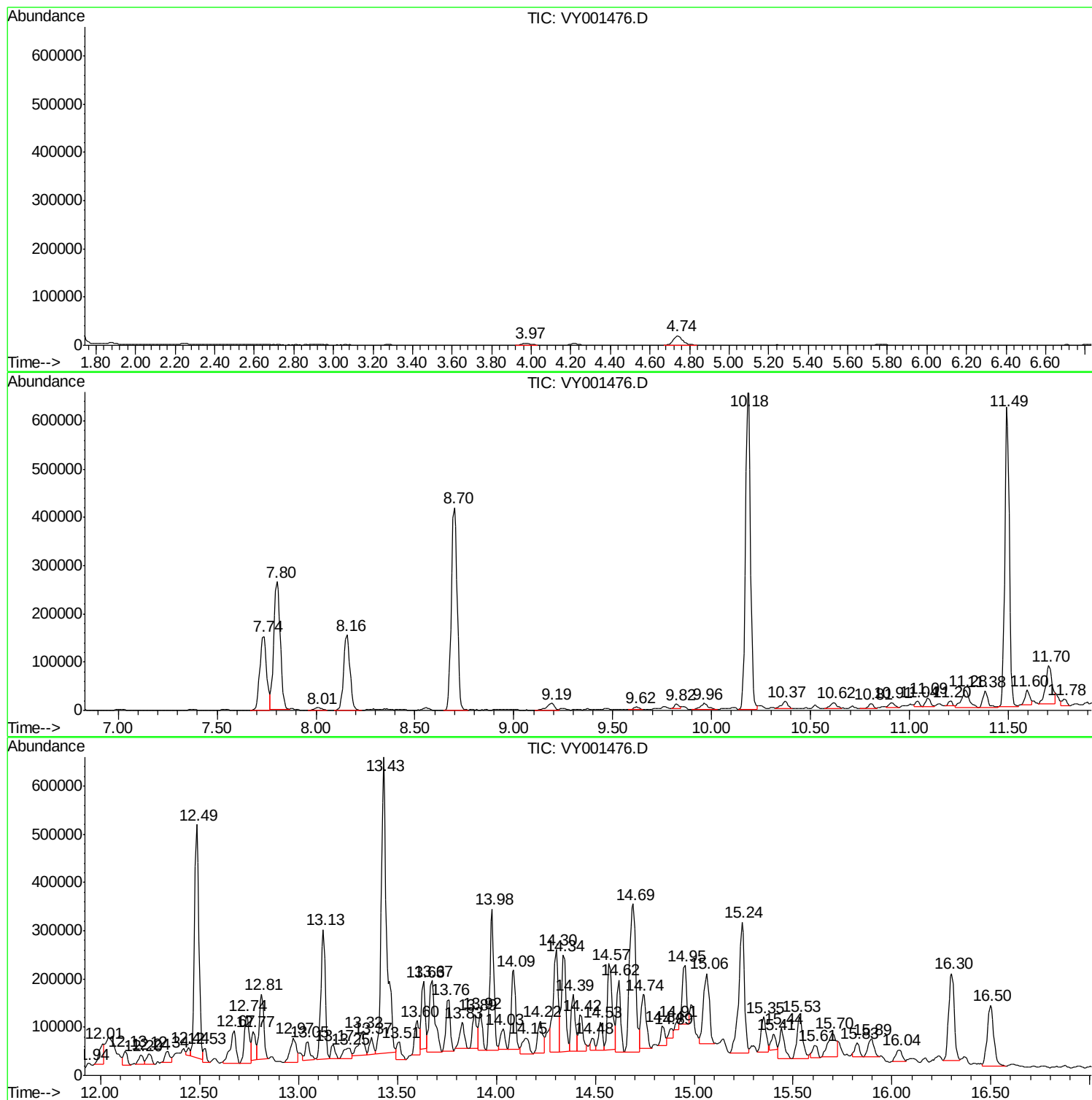
Sum of corrected areas: 15845284

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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020320\  
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Misc : 6.62G/5ML/MSVOA Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

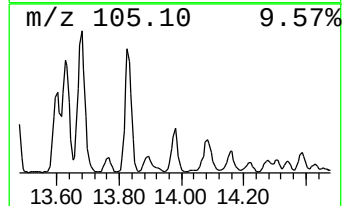
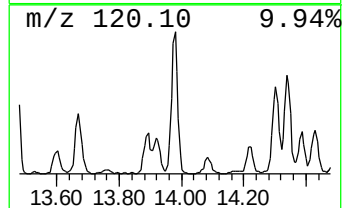
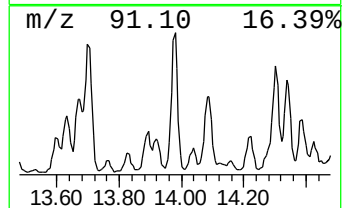
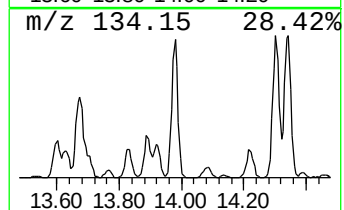
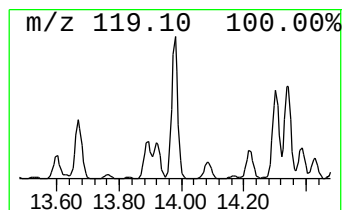
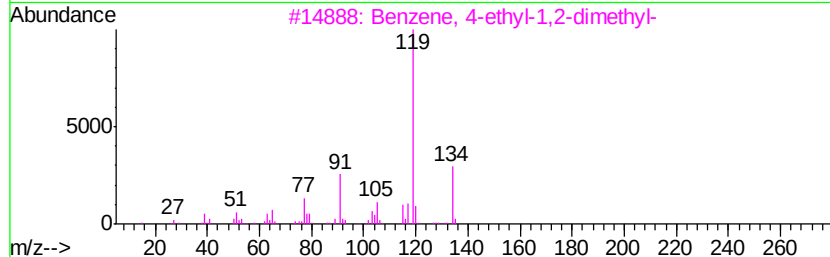
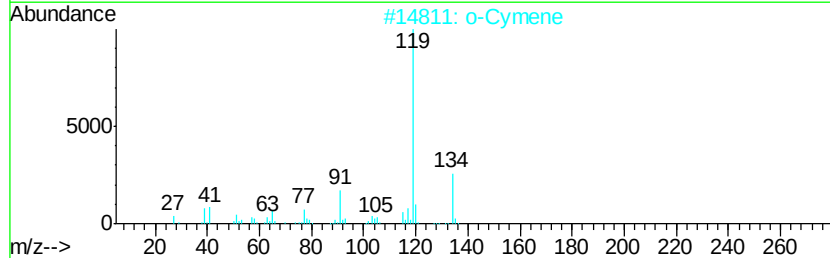
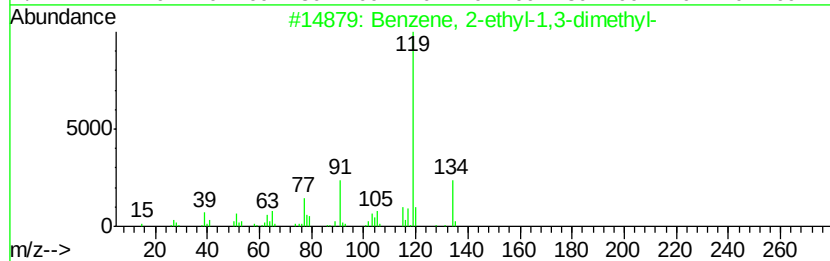
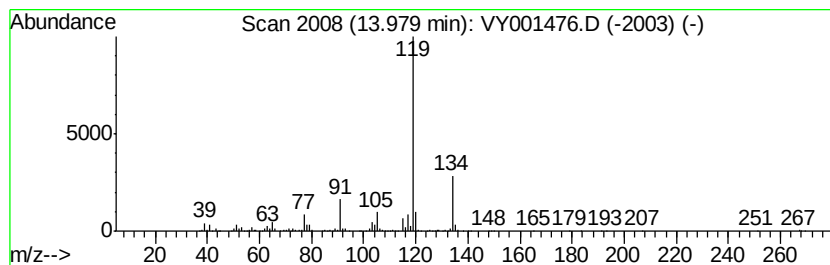
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 2

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 13.98   | 18.02 ug/l                          | 418269       | 1,4-Dichlorobenzene-d4 | 13.43     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Benzene, 2-ethyl-1,3-dimethyl-      | 134 C10H14   | 002870-04-4            | 95        |
| 2       | o-Cymene                            | 134 C10H14   | 000527-84-4            | 95        |
| 3       | Benzene, 4-ethyl-1,2-dimethyl-      | 134 C10H14   | 000934-80-5            | 95        |
| 4       | Benzene, 1-methyl-3-(1-methyleth... | 134 C10H14   | 000535-77-3            | 94        |
| 5       | p-Cymene                            | 134 C10H14   | 000099-87-6            | 94        |



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ALS Vial : 15 Sample Multiplier: 1

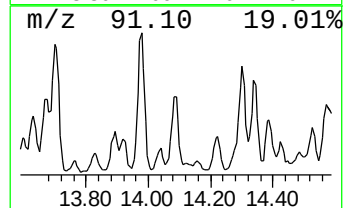
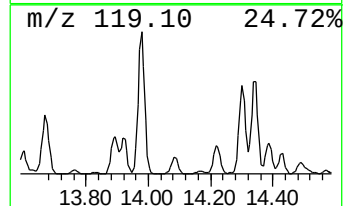
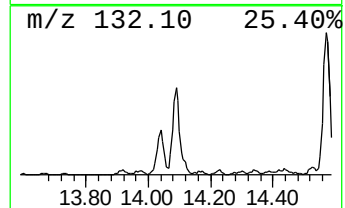
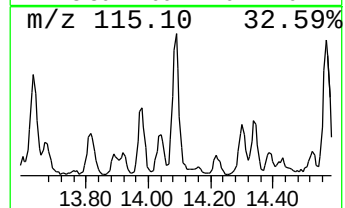
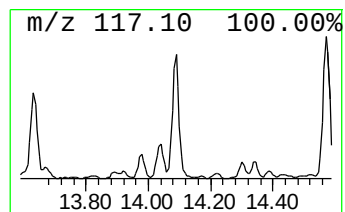
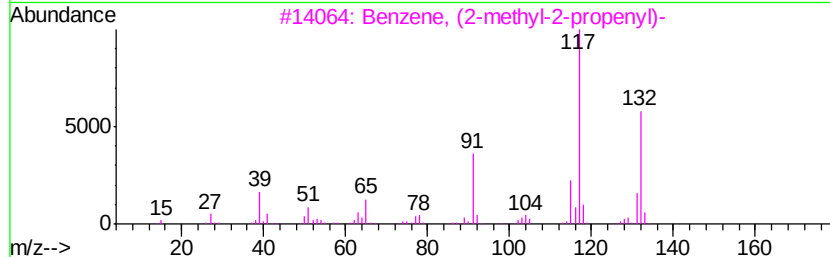
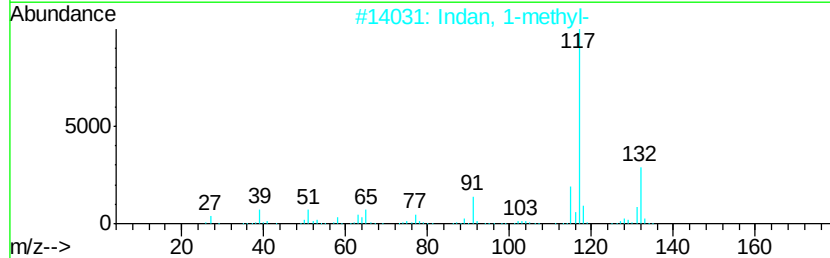
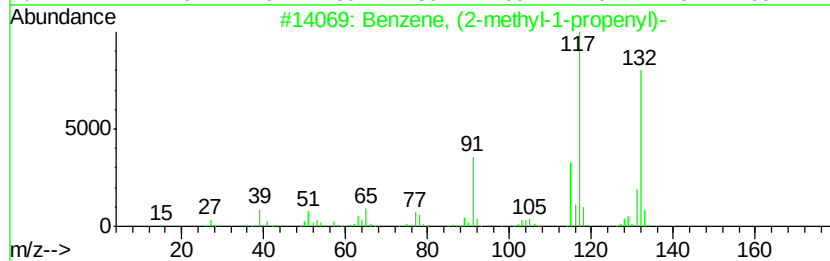
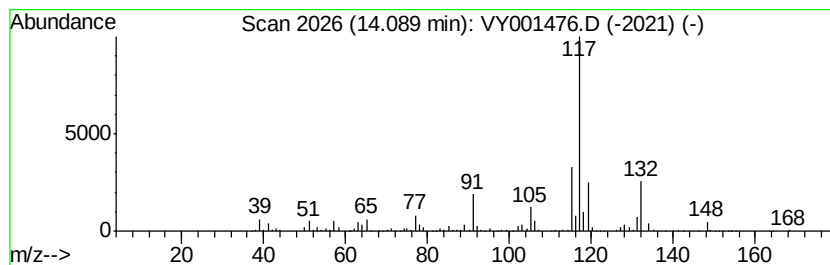
Instrument :  
MSVOA\_Y  
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TP-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Benzene, (2-methyl-1-propen... Concentration Rank 9

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 14.09   | 10.71 ug/l | 248761                              | 1,4-Dichlorobenzene-d4 | 13.43          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Benzene, (2-methyl-1-propenyl)-     | 132 C10H12             | 000768-49-0 81 |
| 2       |            | Indan, 1-methyl-                    | 132 C10H12             | 000767-58-8 76 |
| 3       |            | Benzene, (2-methyl-2-propenyl)-     | 132 C10H12             | 003290-53-7 72 |
| 4       |            | Benzene, 1-methyl-2-(2-propenyl)-   | 132 C10H12             | 001587-04-8 68 |
| 5       |            | Benzene, 1,1'-(1,5-hexadiene-1,6... | 234 C18H18             | 004439-45-6 50 |



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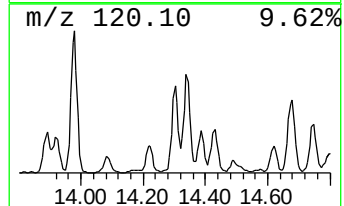
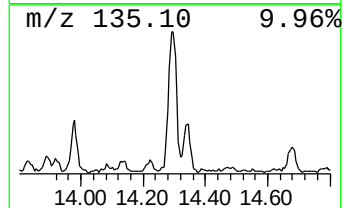
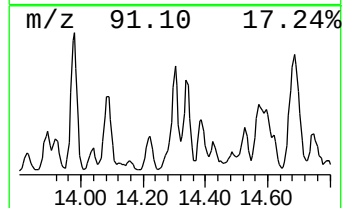
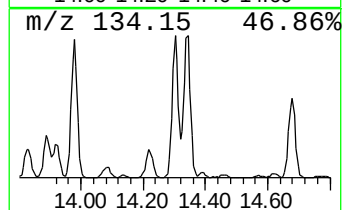
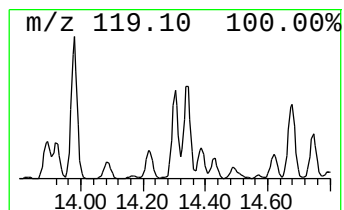
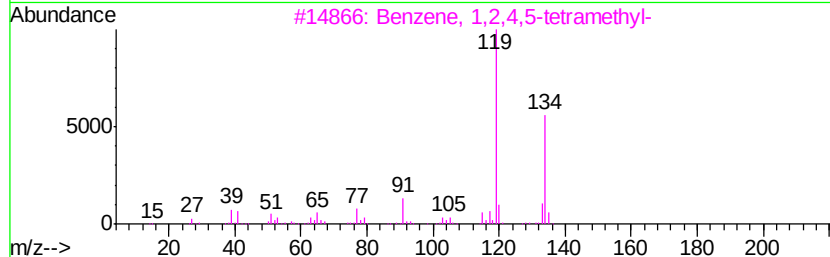
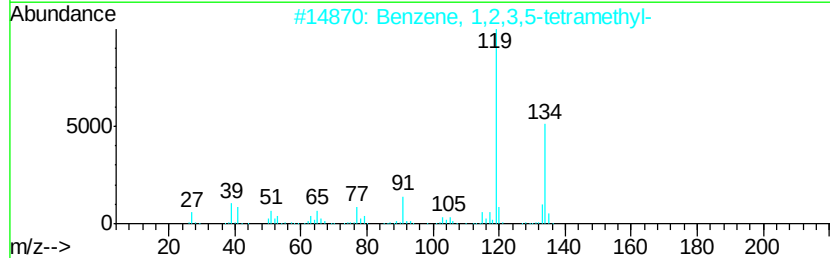
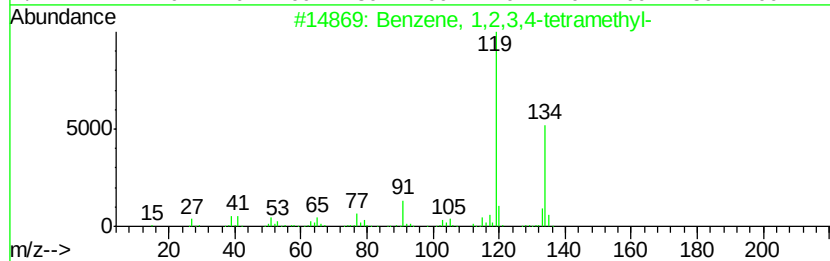
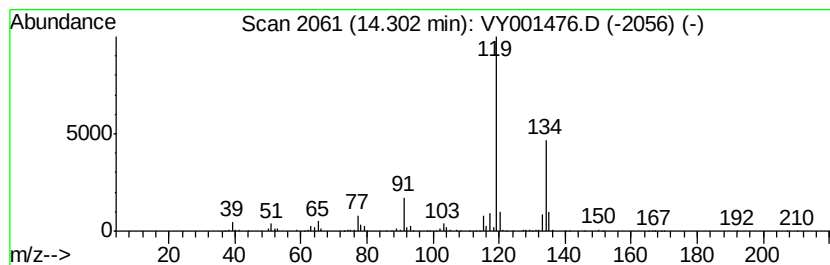
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MSVOA\_Y  
ClientSampled :  
TP-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260

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

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

| R.T.    | EstConc                        | Area         | Relative to ISTD       | R.T.      |
|---------|--------------------------------|--------------|------------------------|-----------|
| 14.30   | 16.22 ug/l                     | 376527       | 1,4-Dichlorobenzene-d4 | 13.43     |
| Hit# of | 5                              | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Benzene, 1,2,3,4-tetramethyl-  | 134 C10H14   | 000488-23-3            | 95        |
| 2       | Benzene, 1,2,3,5-tetramethyl-  | 134 C10H14   | 000527-53-7            | 94        |
| 3       | Benzene, 1,2,4,5-tetramethyl-  | 134 C10H14   | 000095-93-2            | 94        |
| 4       | o-Cymene                       | 134 C10H14   | 000527-84-4            | 94        |
| 5       | Benzene, 1-ethyl-2,3-dimethyl- | 134 C10H14   | 000933-98-2            | 94        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020320\  
Data File : VY001476.D  
Acq On : 03 Feb 2020 16:29  
Operator : SY/MD  
Sample : L1383-01  
Misc : 6.62G/5ML/MSVOA Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

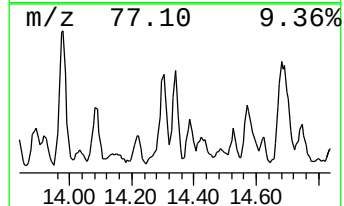
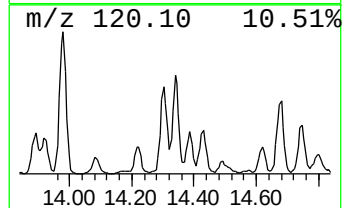
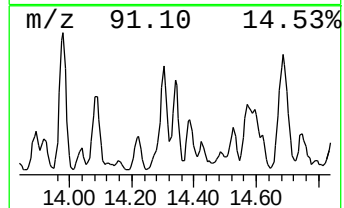
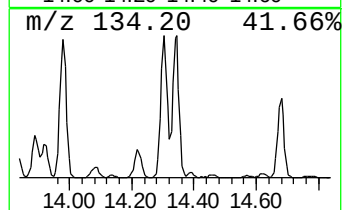
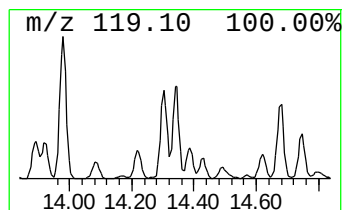
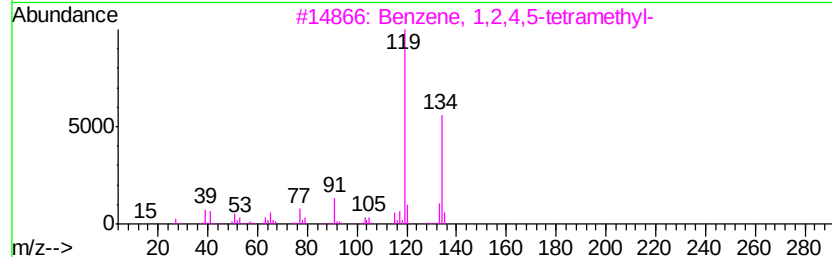
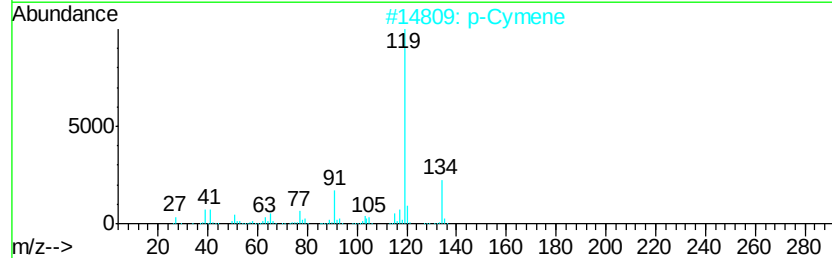
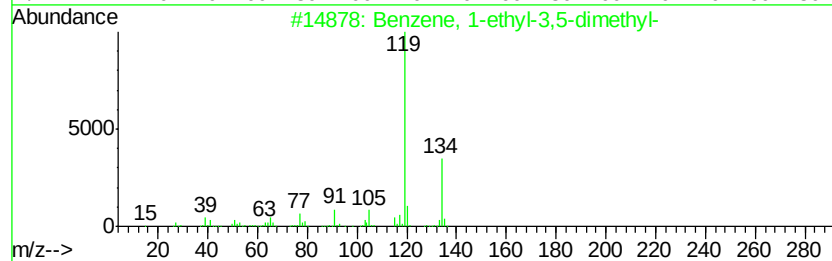
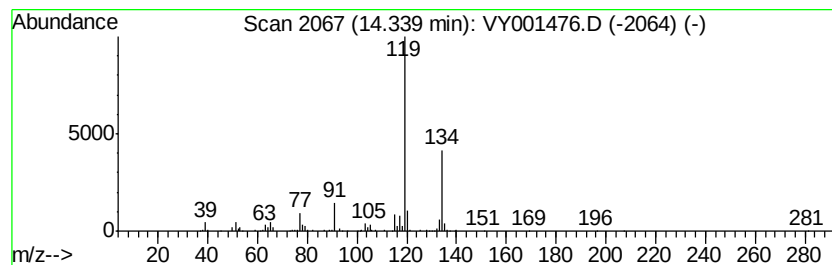
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 6

| R.T.    | EstConc                        | Area         | Relative to ISTD       | R.T.      |
|---------|--------------------------------|--------------|------------------------|-----------|
| 14.34   | 12.97 ug/l                     | 301030       | 1,4-Dichlorobenzene-d4 | 13.43     |
| Hit# of | 5                              | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Benzene, 1-ethyl-3,5-dimethyl- | 134 C10H14   | 000934-74-7            | 95        |
| 2       | p-Cymene                       | 134 C10H14   | 000099-87-6            | 91        |
| 3       | Benzene, 1,2,4,5-tetramethyl-  | 134 C10H14   | 000095-93-2            | 91        |
| 4       | o-Cymene                       | 134 C10H14   | 000527-84-4            | 91        |
| 5       | Benzene, 1-ethyl-2,3-dimethyl- | 134 C10H14   | 000933-98-2            | 91        |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020320\  
Data File : VY001476.D  
Acq On : 03 Feb 2020 16:29  
Operator : SY/MD  
Sample : L1383-01  
Misc : 6.62G/5ML/MSVOA Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260

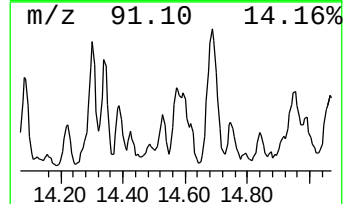
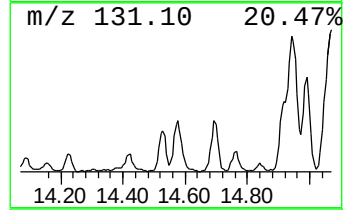
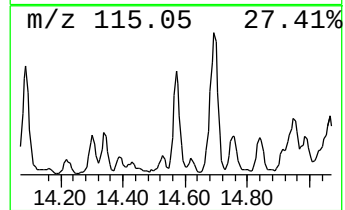
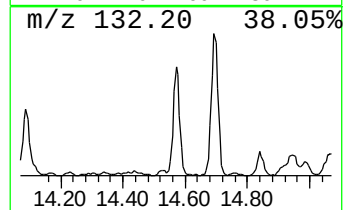
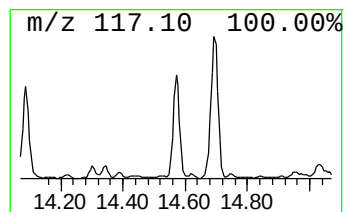
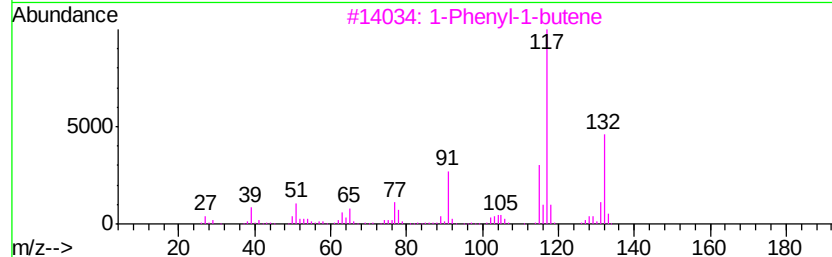
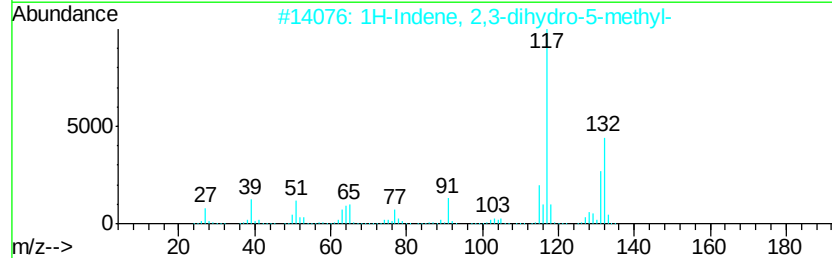
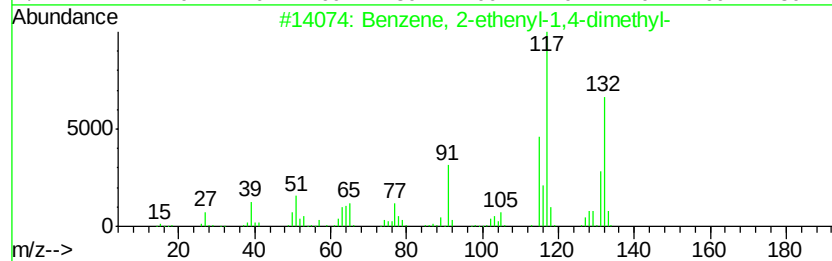
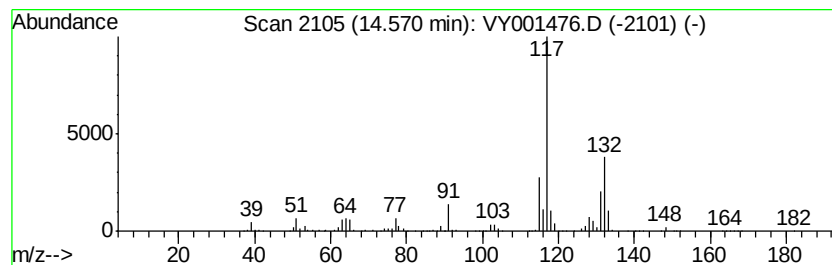
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.57 | 13.64 ug/l | 316726 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 95   |
| 2    |    | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 87   |
| 3    |    | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 87   |
| 4    |    | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 87   |
| 5    |    | Benzene, 1-ethenyl-3-ethyl-      | 132 | C10H12  | 007525-62-4 | 87   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020320\  
Data File : VY001476.D  
Acq On : 03 Feb 2020 16:29  
Operator : SY/MD  
Sample : L1383-01  
Misc : 6.62G/5ML/MSVOA Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260

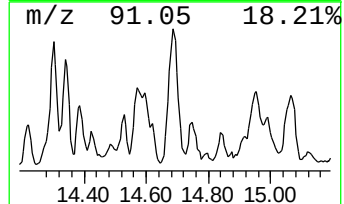
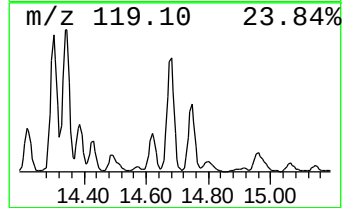
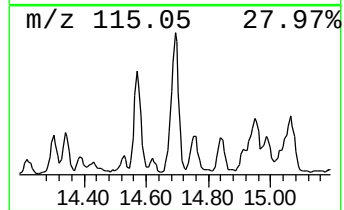
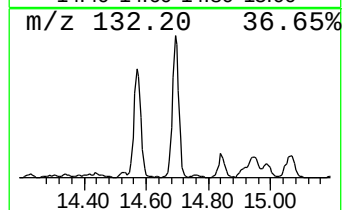
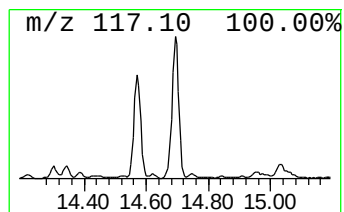
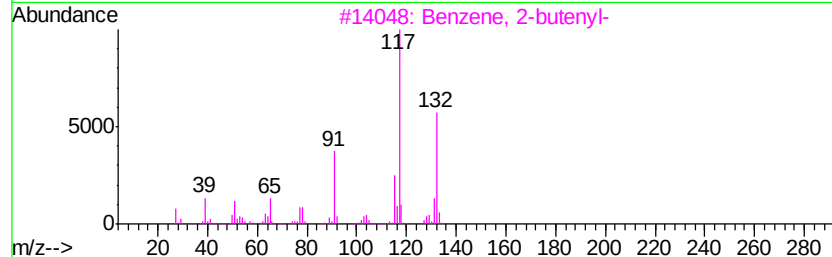
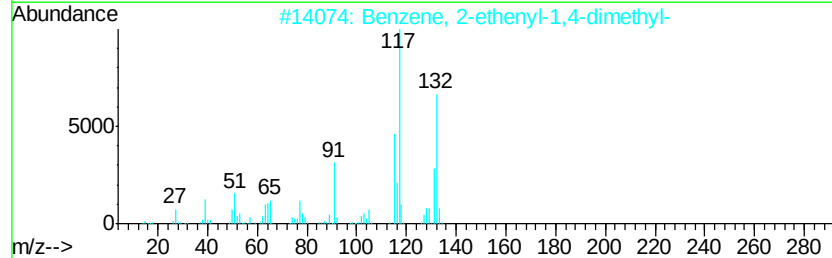
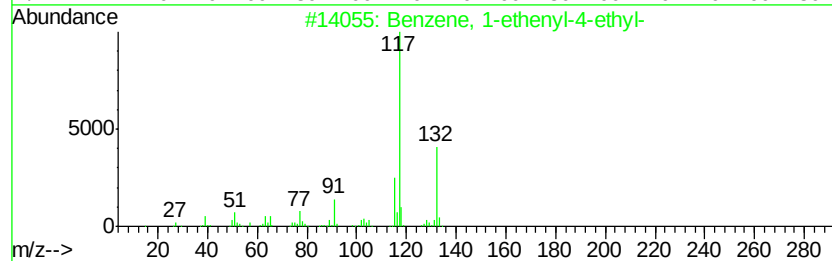
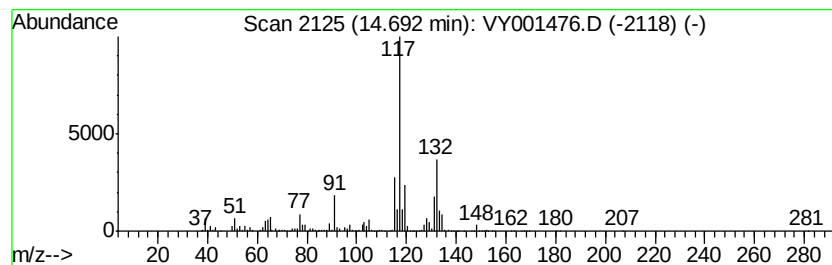
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.69 | 29.34 ug/l | 681225 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|---------|---|----------------------------------|-----|---------|-------------|------|
| 1       |   | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 93   |
| 2       |   | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 92   |
| 3       |   | Benzene, 2-butenyl-              | 132 | C10H12  | 001560-06-1 | 87   |
| 4       |   | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 87   |
| 5       |   | Indan, 1-methyl-                 | 132 | C10H12  | 000767-58-8 | 81   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020320\  
Data File : VY001476.D  
Acq On : 03 Feb 2020 16:29  
Operator : SY/MD  
Sample : L1383-01  
Misc : 6.62G/5ML/MSVOA Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260

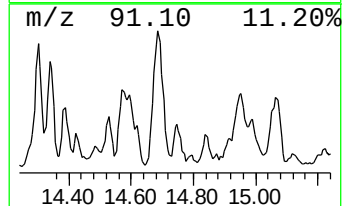
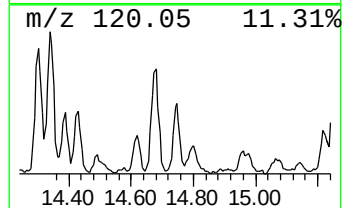
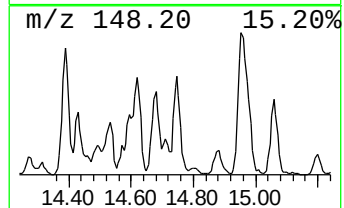
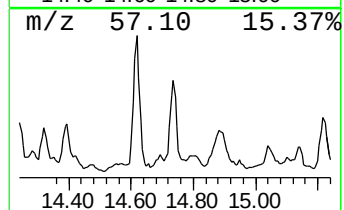
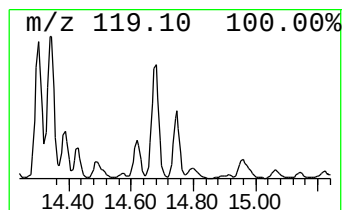
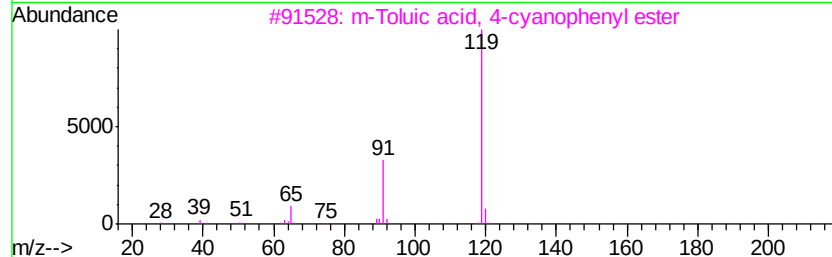
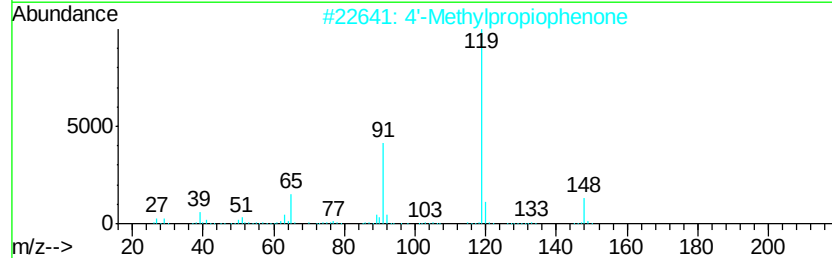
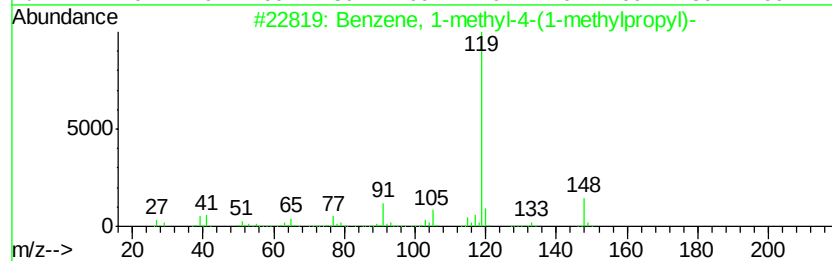
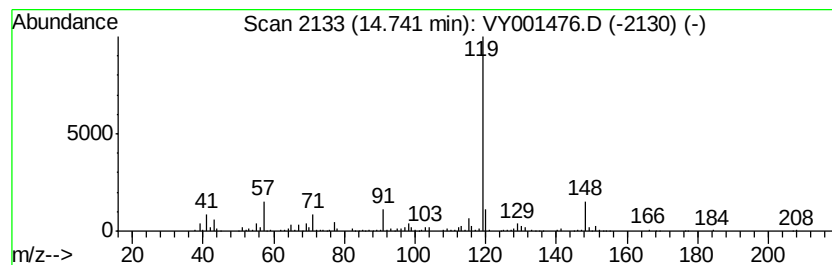
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Benzene, 1-methyl-4-(1-meth... Concentration Rank 10

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 14.74 | 8.85 ug/l | 205405 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16    | 001595-16-0  | 72   |
| 2    |    | 4'-Methylpropiophenone              | 148 | C10H12O   | 005337-93-9  | 53   |
| 3    |    | m-Toluic acid, 4-cyanophenyl ester  | 237 | C15H11NO2 | 1000307-56-9 | 53   |
| 4    |    | Glycine, N-(4-methylbenzoyl)-, m... | 207 | C11H13NO3 | 001208-23-7  | 53   |
| 5    |    | Benzene, (1,1-dimethylpropyl)-      | 148 | C11H16    | 002049-95-8  | 53   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020320\  
Data File : VY001476.D  
Acq On : 03 Feb 2020 16:29  
Operator : SY/MD  
Sample : L1383-01  
Misc : 6.62G/5ML/MSVOA Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

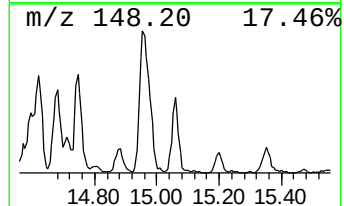
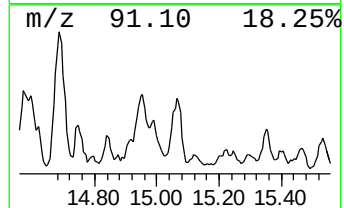
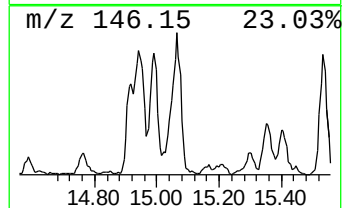
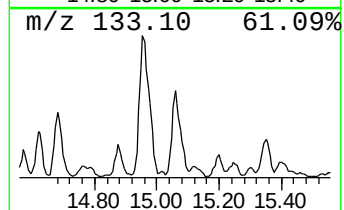
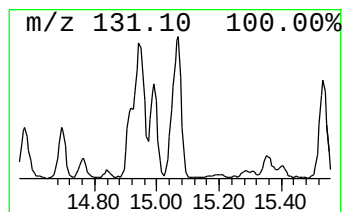
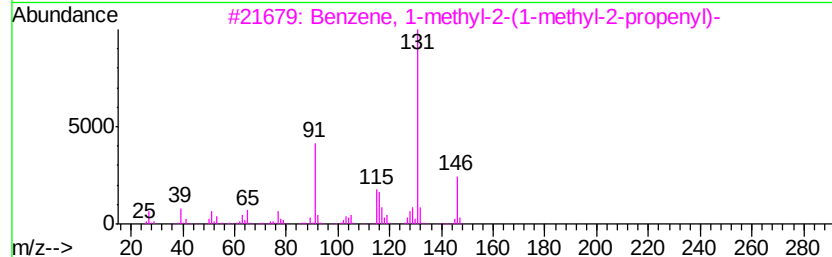
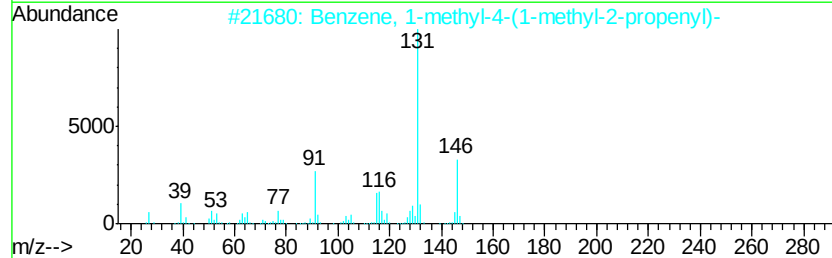
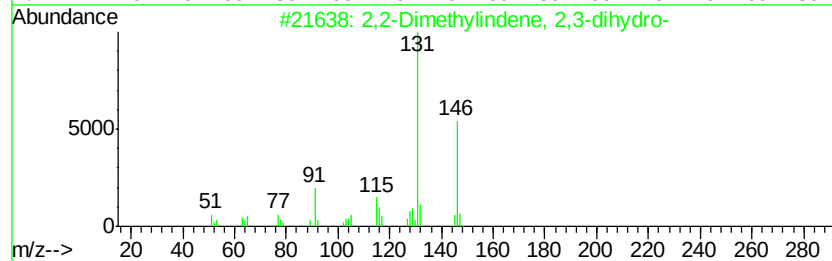
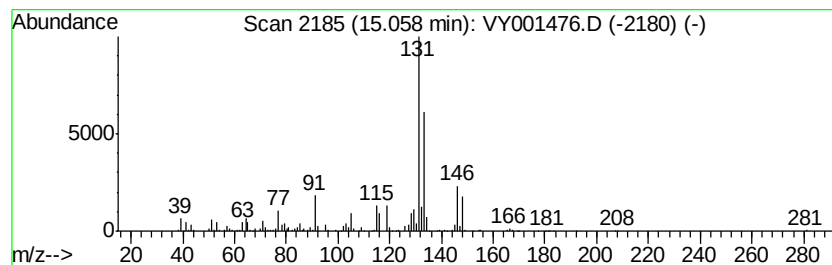
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260

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

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Peak Number 8 2,2-Dimethylindene, 2,3-dih... Concentration Rank 7

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 15.06   | 12.91 ug/l                          | 299773       | 1,4-Dichlorobenzene-d4 | 13.43     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | 2,2-Dimethylindene, 2,3-dihydro-    | 146 C11H14   | 020836-11-7            | 83        |
| 2       | Benzene, 1-methyl-4-(1-methyl-2-... | 146 C11H14   | 097664-18-1            | 70        |
| 3       | Benzene, 1-methyl-2-(1-methyl-2-... | 146 C11H14   | 097664-19-2            | 70        |
| 4       | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 C11H14   | 006682-71-9            | 64        |
| 5       | Benzene, (1-methyl-1-butenyl)-      | 146 C11H14   | 053172-84-2            | 64        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020320\  
Data File : VY001476.D  
Acq On : 03 Feb 2020 16:29  
Operator : SY/MD  
Sample : L1383-01  
Misc : 6.62G/5ML/MSVOA Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

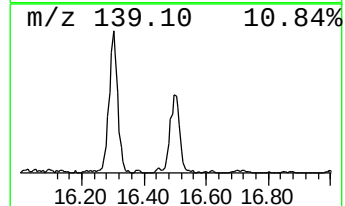
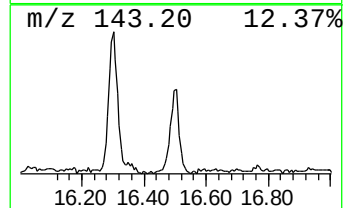
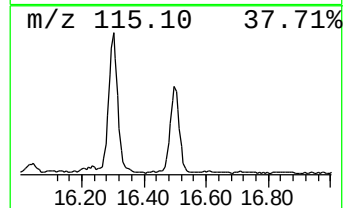
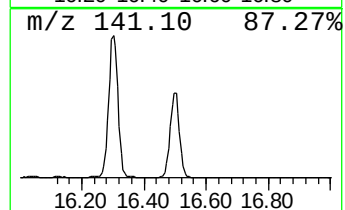
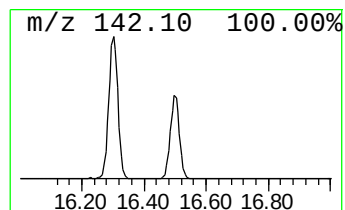
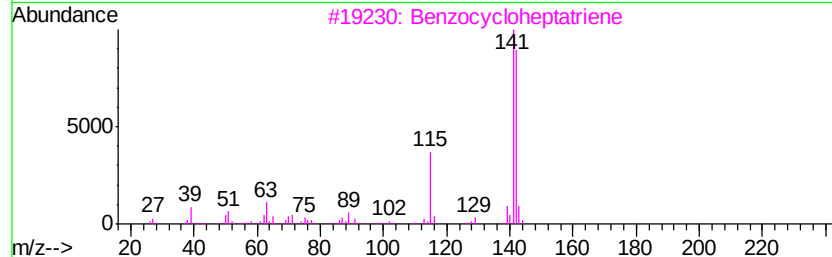
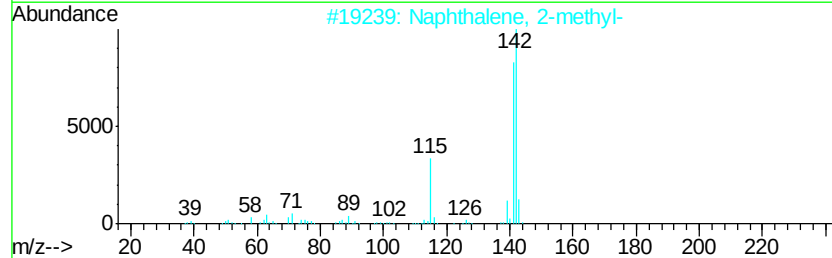
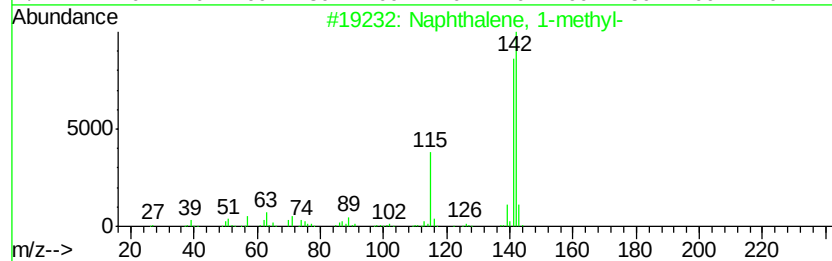
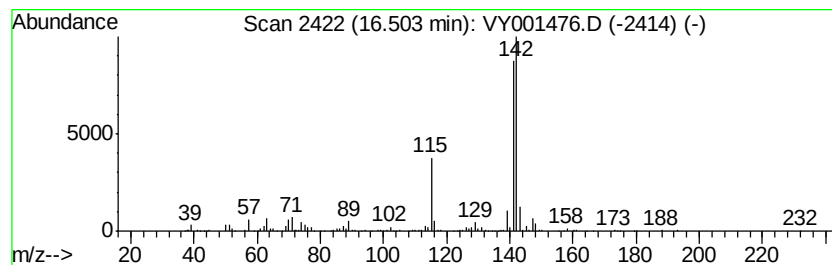
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 8

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 16.50   | 12.49 ug/l | 289980                              | 1,4-Dichlorobenzene-d4 | 13.43          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Naphthalene, 1-methyl-              | 142 C11H10             | 000090-12-0 95 |
| 2       |            | Naphthalene, 2-methyl-              | 142 C11H10             | 000091-57-6 95 |
| 3       |            | Benzocycloheptatriene               | 142 C11H10             | 000264-09-5 90 |
| 4       |            | 1,4-Methanonaphthalene, 1,4-dihy... | 142 C11H10             | 004453-90-1 90 |
| 5       |            | 1H-Indene, 1-ethylidene-            | 142 C11H10             | 002471-83-2 53 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\DATA\VY020320\  
Data File : VY001476.D  
Acq On : 03 Feb 2020 16:29  
Operator : SY/MD  
Sample : L1383-01  
Misc : 6.62G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.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 |
| Benzene, 2-ethyl-... | 13.98 | 18.0    | ug/l  | 418269   | 4                     | 13.43 | 1160890 | 50.0 |
| Benzene, (2-methy... | 14.09 | 10.7    | ug/l  | 248761   | 4                     | 13.43 | 1160890 | 50.0 |
| Benzene, 1,2,3,4-... | 14.30 | 16.2    | ug/l  | 376527   | 4                     | 13.43 | 1160890 | 50.0 |
| Benzene, 1-ethyl-... | 14.34 | 13.0    | ug/l  | 301030   | 4                     | 13.43 | 1160890 | 50.0 |
| Benzene, 2-etheny... | 14.57 | 13.6    | ug/l  | 316726   | 4                     | 13.43 | 1160890 | 50.0 |
| Benzene, 1-etheny... | 14.69 | 29.3    | ug/l  | 681225   | 4                     | 13.43 | 1160890 | 50.0 |
| Benzene, 1-methyl... | 14.74 | 8.8     | ug/l  | 205405   | 4                     | 13.43 | 1160890 | 50.0 |
| 2,2-Dimethylinden... | 15.06 | 12.9    | ug/l  | 299773   | 4                     | 13.43 | 1160890 | 50.0 |
| Naphthalene, 1-me... | 16.50 | 12.5    | ug/l  | 289980   | 4                     | 13.43 | 1160890 | 50.0 |