

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\  
 Data File : VY002981.D  
 Acq On : 22 Jun 2020 18:09  
 Operator : SY/MD  
 Sample : L3071-10  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TW-1.5

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\82Y061920S.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         | 2.908       | 182           | 192         | 206          | rBV      | 124685         | 279372        | 1.26%           | 0.159%        |
| 2         | 3.261       | 242           | 250         | 267          | rVB3     | 89856          | 245229        | 1.11%           | 0.139%        |
| 3         | 4.773       | 493           | 498         | 514          | rVB2     | 121213         | 414096        | 1.87%           | 0.235%        |
| 4         | 5.243       | 560           | 575         | 593          | rBV2     | 71167          | 260062        | 1.18%           | 0.148%        |
| 5         | 7.730       | 972           | 983         | 986          | rBV      | 200796         | 502335        | 2.27%           | 0.285%        |
| 6         | 7.791       | 986           | 993         | 1001         | rVV2     | 430230         | 1310978       | 5.93%           | 0.744%        |
| 7         | 7.876       | 1001          | 1007        | 1019         | rVB2     | 124817         | 333024        | 1.51%           | 0.189%        |
| 8         | 8.004       | 1019          | 1028        | 1041         | rBV      | 239193         | 566568        | 2.56%           | 0.322%        |
| 9         | 8.151       | 1041          | 1052        | 1065         | rVB2     | 187233         | 462439        | 2.09%           | 0.263%        |
| 10        | 8.327       | 1065          | 1081        | 1093         | rBV      | 658483         | 1865801       | 8.44%           | 1.059%        |
| 11        | 8.553       | 1108          | 1118        | 1132         | rVB      | 229461         | 561289        | 2.54%           | 0.319%        |
| 12        | 8.693       | 1132          | 1141        | 1148         | rBV      | 611988         | 1287010       | 5.82%           | 0.731%        |
| 13        | 9.187       | 1208          | 1222        | 1227         | rBV      | 346010         | 791835        | 3.58%           | 0.450%        |
| 14        | 9.242       | 1227          | 1231        | 1238         | rVB      | 184562         | 363273        | 1.64%           | 0.206%        |
| 15        | 9.620       | 1286          | 1293        | 1303         | rBV      | 586773         | 1132030       | 5.12%           | 0.643%        |
| 16        | 9.748       | 1303          | 1314        | 1321         | rBV2     | 742260         | 1713417       | 7.75%           | 0.973%        |
| 17        | 9.821       | 1321          | 1326        | 1329         | rBV      | 192167         | 320816        | 1.45%           | 0.182%        |
| 18        | 9.961       | 1339          | 1349        | 1360         | rBV      | 232072         | 573078        | 2.59%           | 0.325%        |
| 19        | 10.114      | 1368          | 1374        | 1379         | rBV      | 401698         | 673921        | 3.05%           | 0.383%        |
| 20        | 10.181      | 1379          | 1385        | 1390         | rBV      | 815743         | 1429199       | 6.47%           | 0.811%        |
| 21        | 10.242      | 1390          | 1395        | 1402         | rVB      | 3333040        | 5690137       | 25.74%          | 3.231%        |
| 22        | 10.370      | 1408          | 1416        | 1422         | rVB2     | 293530         | 569130        | 2.57%           | 0.323%        |
| 23        | 10.583      | 1444          | 1451        | 1457         | rBV2     | 144893         | 398289        | 1.80%           | 0.226%        |
| 24        | 11.278      | 1556          | 1565        | 1569         | rBV2     | 215419         | 459465        | 2.08%           | 0.261%        |
| 25        | 11.382      | 1576          | 1582        | 1591         | rBV      | 183597         | 321084        | 1.45%           | 0.182%        |
| 26        | 11.491      | 1591          | 1600        | 1605         | rBV      | 837304         | 1432593       | 6.48%           | 0.813%        |
| 27        | 11.589      | 1605          | 1616        | 1624         | rVB      | 2296729        | 3846647       | 17.40%          | 2.184%        |
| 28        | 11.699      | 1624          | 1634        | 1645         | rBV      | 8793230        | 16271425      | 73.61%          | 9.238%        |
| 29        | 12.028      | 1678          | 1688        | 1696         | rVB      | 4082707        | 6276574       | 28.40%          | 3.564%        |
| 30        | 12.327      | 1731          | 1737        | 1743         | rBV      | 1463089        | 2292928       | 10.37%          | 1.302%        |
| 31        | 12.479      | 1753          | 1762        | 1767         | rBV3     | 702716         | 1469486       | 6.65%           | 0.834%        |
| 32        | 12.668      | 1788          | 1793        | 1798         | rVB      | 2711495        | 3967607       | 17.95%          | 2.253%        |
| 33        | 12.735      | 1798          | 1804        | 1807         | rBV      | 7521321        | 11738445      | 53.10%          | 6.665%        |
| 34        | 12.766      | 1807          | 1809        | 1813         | rVV      | 3918514        | 5152430       | 23.31%          | 2.925%        |

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 ClientSampleId :  
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Integrator: RTE  
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 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
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 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\82Y061920S.M  
 Title : SW846 8260

|    |        |      |      |      |      |          |          |         |         |
|----|--------|------|------|------|------|----------|----------|---------|---------|
| 35 | 12.808 | 1813 | 1816 | 1834 | rVB  | 4392425  | 6707887  | 30.35%  | 3.808%  |
| 36 | 12.973 | 1836 | 1843 | 1851 | rBV  | 2914320  | 4589752  | 20.76%  | 2.606%  |
| 37 | 13.070 | 1851 | 1859 | 1861 | rBV  | 229585   | 409914   | 1.85%   | 0.233%  |
| 38 | 13.119 | 1861 | 1867 | 1873 | rVB  | 15002827 | 22104396 | 100.00% | 12.550% |
| 39 | 13.174 | 1873 | 1876 | 1881 | rVB2 | 165562   | 244613   | 1.11%   | 0.139%  |
| 40 | 13.253 | 1881 | 1889 | 1891 | rBV3 | 293831   | 735208   | 3.33%   | 0.417%  |
| 41 | 13.314 | 1896 | 1899 | 1903 | rVV  | 358204   | 495807   | 2.24%   | 0.281%  |
| 42 | 13.363 | 1903 | 1907 | 1910 | rVV3 | 173353   | 276201   | 1.25%   | 0.157%  |
| 43 | 13.424 | 1910 | 1917 | 1918 | rVV  | 873997   | 1223215  | 5.53%   | 0.694%  |
| 44 | 13.455 | 1918 | 1922 | 1936 | rVB  | 3495521  | 6465156  | 29.25%  | 3.671%  |
| 45 | 13.595 | 1939 | 1945 | 1946 | rBV  | 808332   | 1173566  | 5.31%   | 0.666%  |
| 46 | 13.625 | 1946 | 1950 | 1953 | rVV2 | 3998819  | 6290552  | 28.46%  | 3.571%  |
| 47 | 13.668 | 1953 | 1957 | 1967 | rVV3 | 2923837  | 5969252  | 27.00%  | 3.389%  |
| 48 | 13.753 | 1967 | 1971 | 1975 | rVV2 | 336664   | 493674   | 2.23%   | 0.280%  |
| 49 | 13.820 | 1976 | 1982 | 1987 | rVB  | 822197   | 1389236  | 6.28%   | 0.789%  |
| 50 | 13.881 | 1987 | 1992 | 1995 | rBV  | 1425690  | 2282387  | 10.33%  | 1.296%  |
| 51 | 13.912 | 1995 | 1997 | 2002 | rVV  | 1452691  | 1902918  | 8.61%   | 1.080%  |
| 52 | 13.973 | 2002 | 2007 | 2012 | rVV  | 2763151  | 4067475  | 18.40%  | 2.309%  |
| 53 | 14.028 | 2012 | 2016 | 2020 | rVV  | 183418   | 280321   | 1.27%   | 0.159%  |
| 54 | 14.076 | 2020 | 2024 | 2030 | rVB  | 872600   | 1309536  | 5.92%   | 0.743%  |
| 55 | 14.210 | 2041 | 2046 | 2051 | rBV  | 566059   | 869368   | 3.93%   | 0.494%  |
| 56 | 14.296 | 2053 | 2060 | 2063 | rVV  | 1862359  | 2945925  | 13.33%  | 1.673%  |
| 57 | 14.332 | 2063 | 2066 | 2071 | rVV  | 2475215  | 3569295  | 16.15%  | 2.026%  |
| 58 | 14.381 | 2071 | 2074 | 2078 | rVV2 | 640121   | 956913   | 4.33%   | 0.543%  |
| 59 | 14.418 | 2078 | 2080 | 2083 | rVV  | 331476   | 431208   | 1.95%   | 0.245%  |
| 60 | 14.454 | 2083 | 2086 | 2093 | rVV2 | 366670   | 572025   | 2.59%   | 0.325%  |
| 61 | 14.521 | 2093 | 2097 | 2100 | rVV  | 349128   | 450802   | 2.04%   | 0.256%  |
| 62 | 14.564 | 2100 | 2104 | 2109 | rVV  | 1206246  | 1946872  | 8.81%   | 1.105%  |
| 63 | 14.613 | 2109 | 2112 | 2116 | rVB  | 508469   | 647295   | 2.93%   | 0.368%  |
| 64 | 14.680 | 2116 | 2123 | 2129 | rBV4 | 1904039  | 4711212  | 21.31%  | 2.675%  |
| 65 | 14.741 | 2129 | 2133 | 2139 | rVB2 | 465366   | 786993   | 3.56%   | 0.447%  |
| 66 | 14.832 | 2143 | 2148 | 2152 | rBV  | 222301   | 334452   | 1.51%   | 0.190%  |
| 67 | 14.948 | 2161 | 2167 | 2178 | rVB3 | 618507   | 1526560  | 6.91%   | 0.867%  |
| 68 | 15.052 | 2178 | 2184 | 2195 | rVB2 | 432620   | 898969   | 4.07%   | 0.510%  |
| 69 | 15.235 | 2203 | 2214 | 2220 | rBV  | 3038745  | 5200128  | 23.53%  | 2.952%  |
| 70 | 15.344 | 2226 | 2232 | 2237 | rBV2 | 241653   | 428765   | 1.94%   | 0.243%  |
| 71 | 15.436 | 2244 | 2247 | 2255 | rVB3 | 144050   | 252115   | 1.14%   | 0.143%  |

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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TW-1.5

## 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\82Y061920S.M  
Title : SW846 8260

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 72 | 15.527 | 2255 | 2262 | 2270 | rBV  | 304290  | 624488  | 2.83%  | 0.355% |
| 73 | 15.692 | 2279 | 2289 | 2299 | rBV4 | 169242  | 654829  | 2.96%  | 0.372% |
| 74 | 15.814 | 2304 | 2309 | 2315 | rVV  | 142447  | 280577  | 1.27%  | 0.159% |
| 75 | 15.893 | 2315 | 2322 | 2327 | rVB4 | 146021  | 327041  | 1.48%  | 0.186% |
| 76 | 16.289 | 2380 | 2387 | 2396 | rVB  | 1527768 | 2903395 | 13.13% | 1.648% |
| 77 | 16.491 | 2412 | 2420 | 2434 | rVB  | 649528  | 1429697 | 6.47%  | 0.812% |

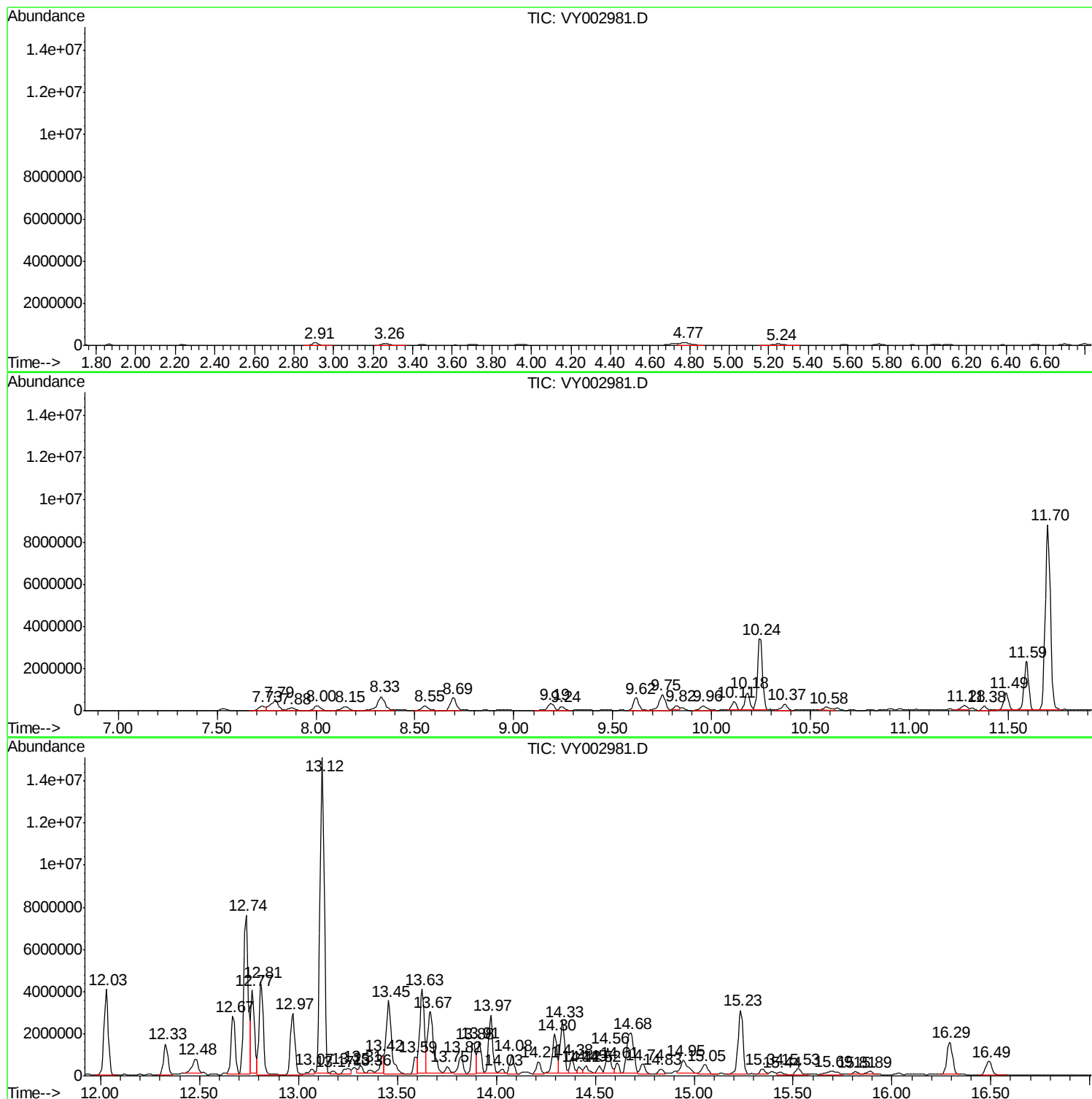
Sum of corrected areas: 176132002

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062220\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y061920S.M  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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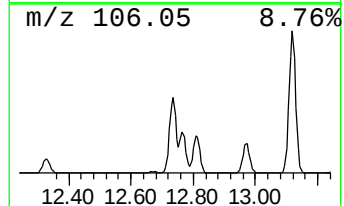
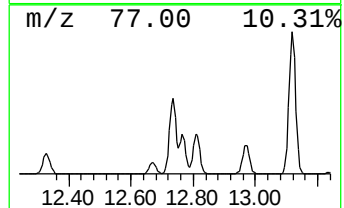
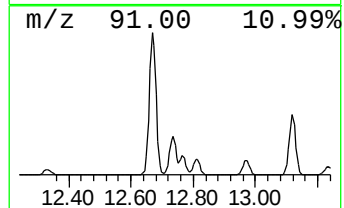
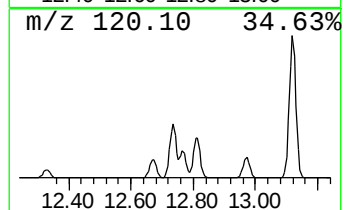
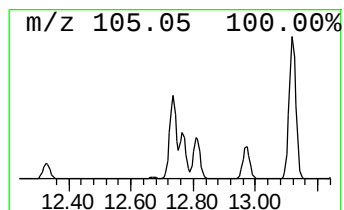
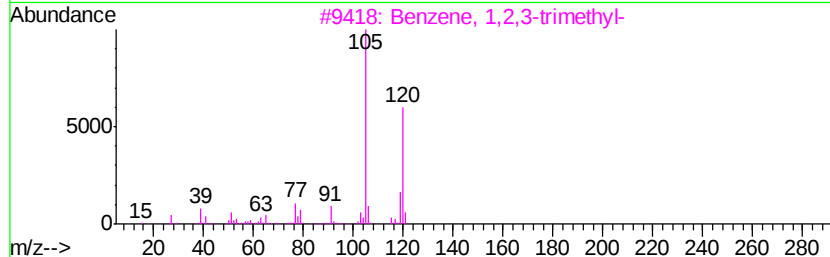
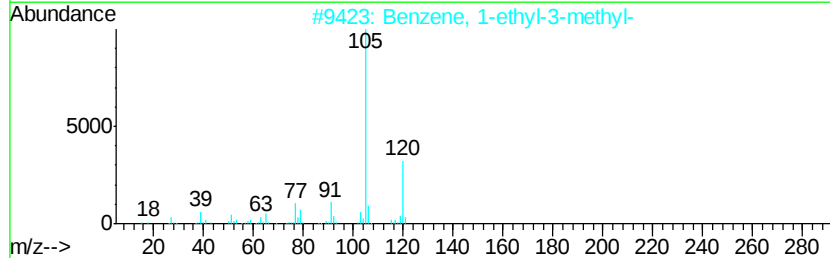
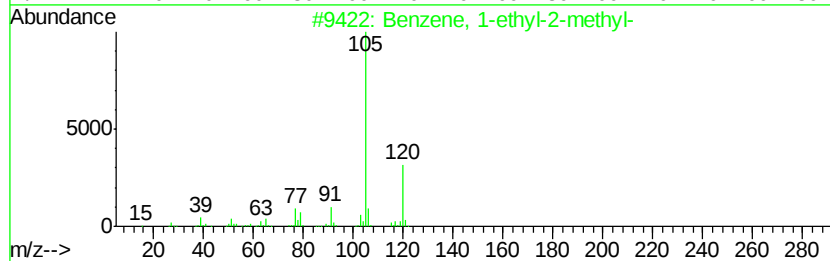
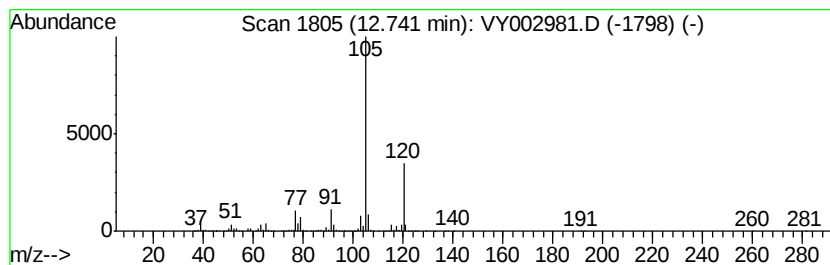
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y061920S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 1

| R.T.  | EstConc     | Area     | Relative to ISTD       | R.T.  |
|-------|-------------|----------|------------------------|-------|
| 12.74 | 479.82 ug/l | 11738400 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 2    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 95   |
| 3    |    | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |
| 4    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 5    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |



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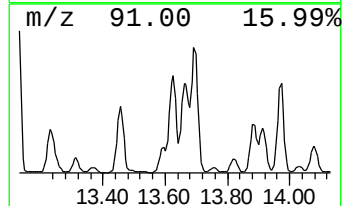
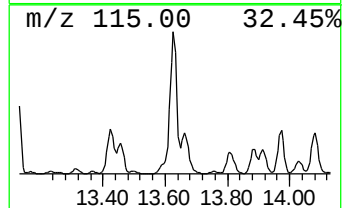
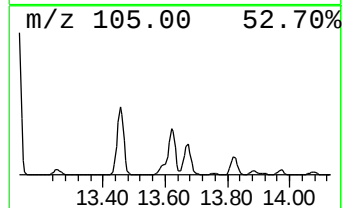
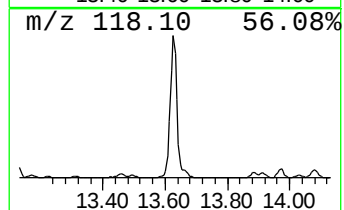
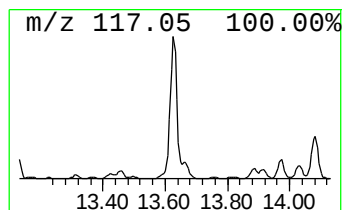
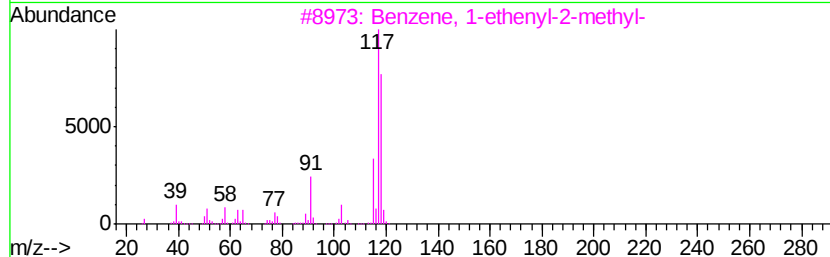
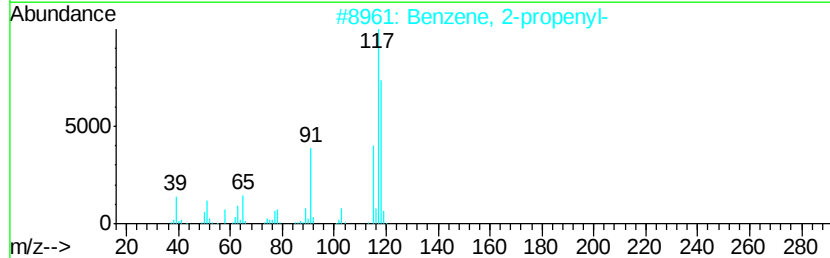
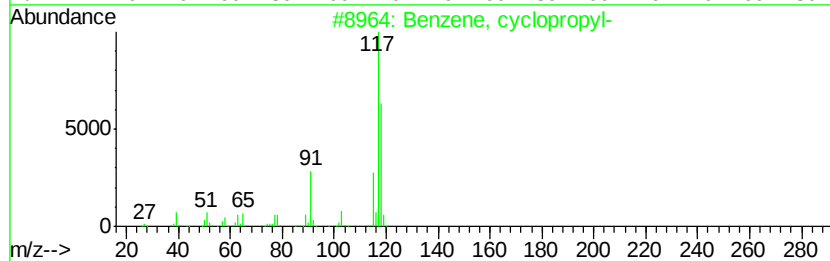
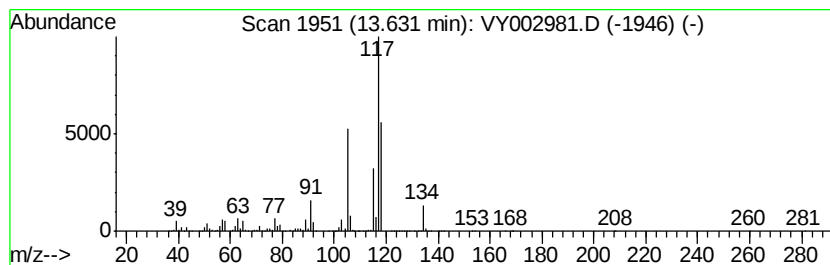
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Benzene, cyclopropyl- Concentration Rank 2

| R.T.    | EstConc     | Area                                | Relative to ISTD       | R.T.            |
|---------|-------------|-------------------------------------|------------------------|-----------------|
| 13.63   | 257.13 ug/l | 6290550                             | 1,4-Dichlorobenzene-d4 | 13.42           |
| Hit# of | 5           | Tentative ID                        | MW MolForm             | CAS# Qual       |
| 1       |             | Benzene, cvclopropyl-               | 118 C9H10              | 000873-49-4 64  |
| 2       |             | Benzene, 2-propenyl-                | 118 C9H10              | 000300-57-2 64  |
| 3       |             | Benzene, 1-ethenyl-2-methyl-        | 118 C9H10              | 000611-15-4 64  |
| 4       |             | Indane                              | 118 C9H10              | 000496-11-7 60  |
| 5       |             | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 C9H10              | 1000191-13-7 52 |



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Quant Title : SW846 8260

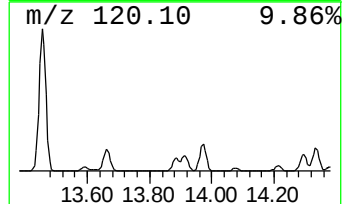
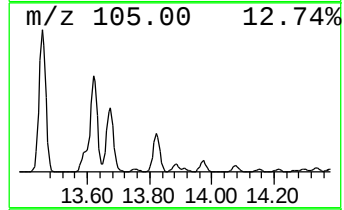
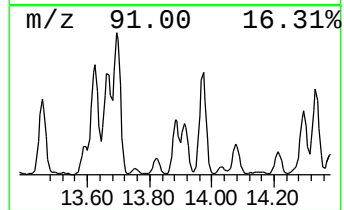
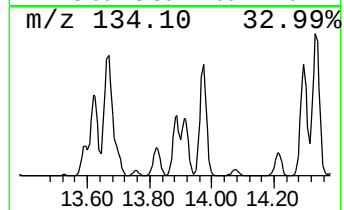
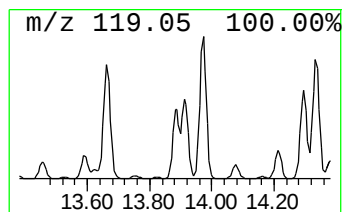
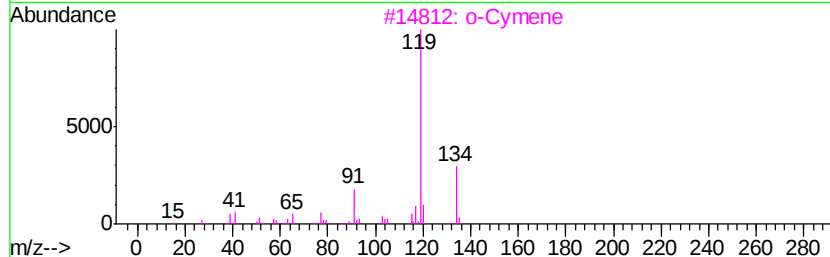
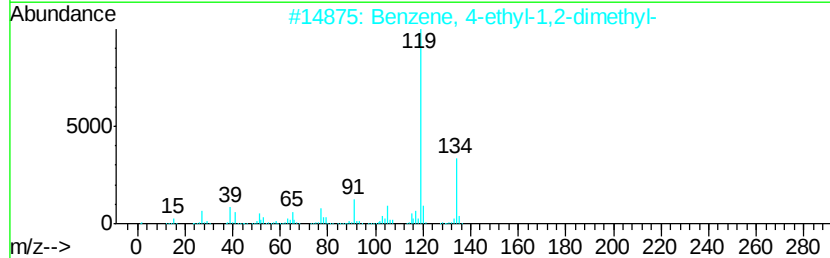
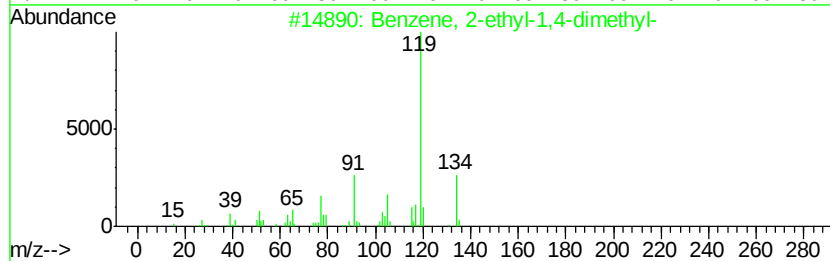
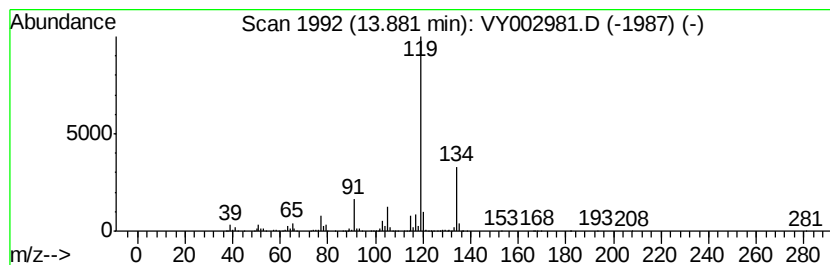
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 13.88 | 93.29 ug/l | 2282390 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 96   |
| 2    |    | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 95   |
| 3    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 95   |
| 4    |    | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 95   |
| 5    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062220\  
Data File : VY002981.D  
Acq On : 22 Jun 2020 18:09  
Operator : SY/MD  
Sample : L3071-10  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TW-1.5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y061920S.M  
Quant Title : SW846 8260

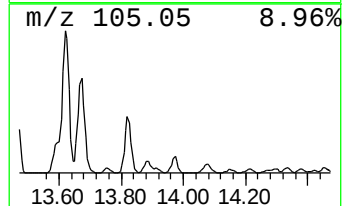
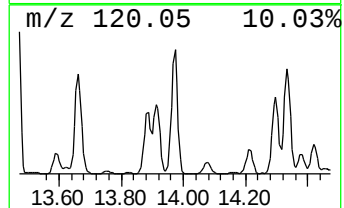
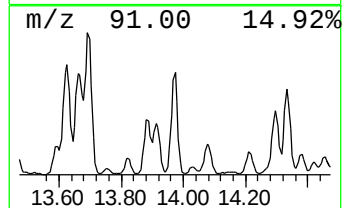
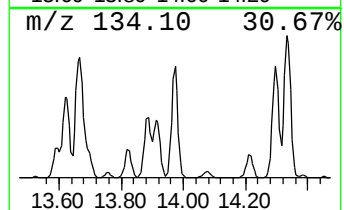
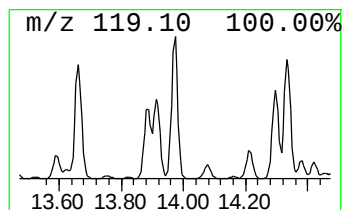
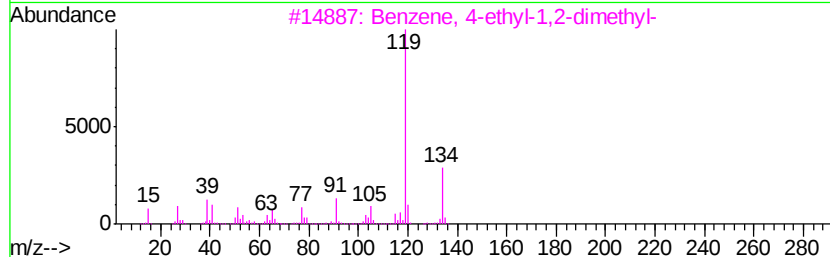
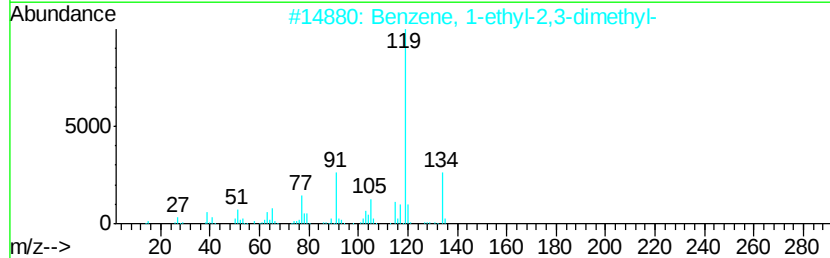
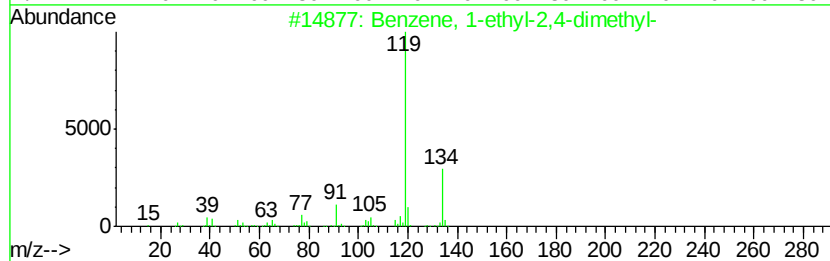
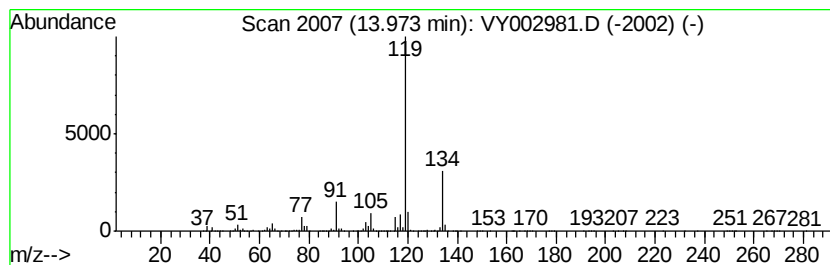
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 5

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 13.97 | 166.26 ug/l | 4067480 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# of | 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, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 95   |
| 4       | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 95   |
| 5       | Benzene, 2-ethyl-1,3-dimethyl-      | 134 | C10H14  | 002870-04-4 | 95   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062220\  
Data File : VY002981.D  
Acq On : 22 Jun 2020 18:09  
Operator : SY/MD  
Sample : L3071-10  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

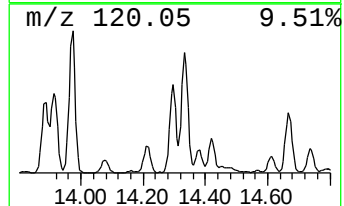
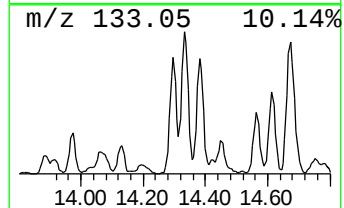
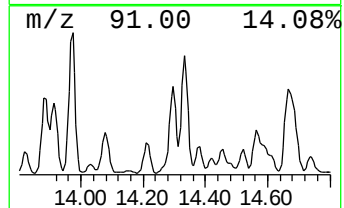
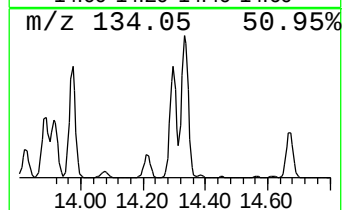
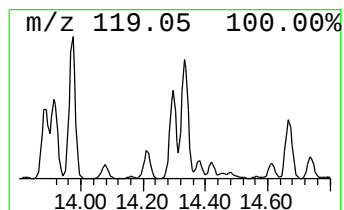
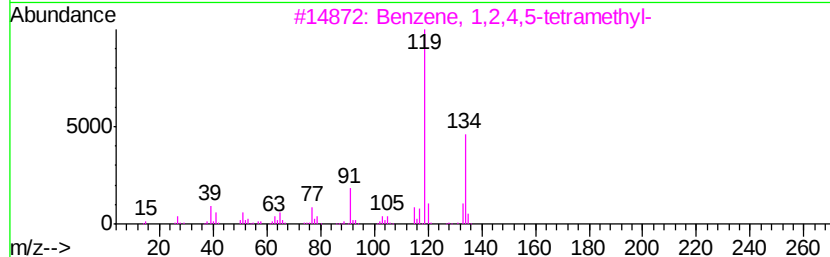
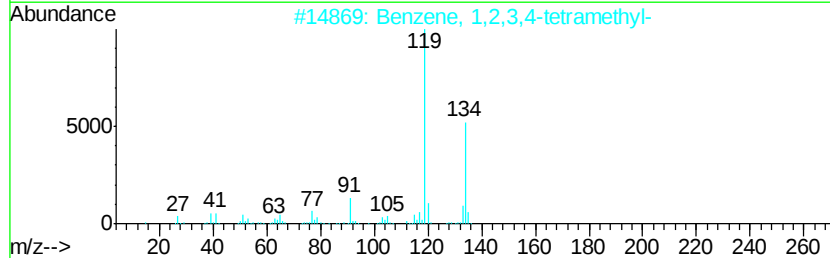
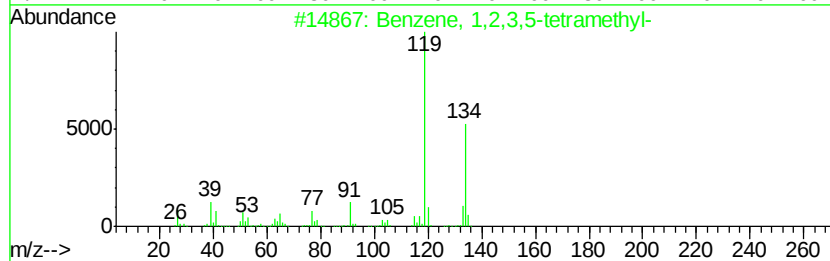
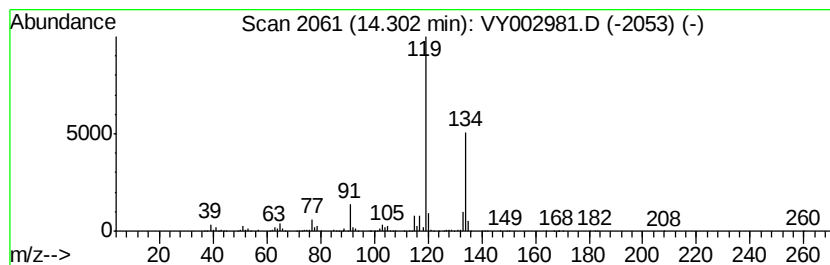
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TW-1.5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y061920S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 7

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 14.30   | 120.42 ug/l                         | 2945930      | 1,4-Dichlorobenzene-d4 | 13.42     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Benzene, 1,2,3,5-tetramethyl-       | 134 C10H14   | 000527-53-7            | 97        |
| 2       | Benzene, 1,2,3,4-tetramethyl-       | 134 C10H14   | 000488-23-3            | 97        |
| 3       | Benzene, 1,2,4,5-tetramethyl-       | 134 C10H14   | 000095-93-2            | 97        |
| 4       | Benzene, 2-ethyl-1,3-dimethyl-      | 134 C10H14   | 002870-04-4            | 94        |
| 5       | Benzene, 1-methyl-3-(1-methyleth... | 134 C10H14   | 000535-77-3            | 91        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062220\  
Data File : VY002981.D  
Acq On : 22 Jun 2020 18:09  
Operator : SY/MD  
Sample : L3071-10  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TW-1.5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y061920S.M  
Quant Title : SW846 8260

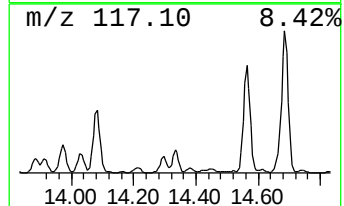
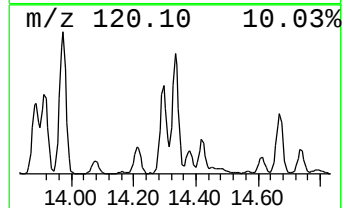
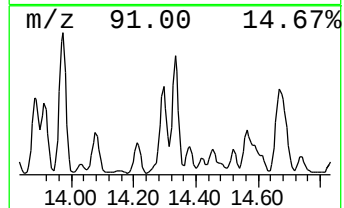
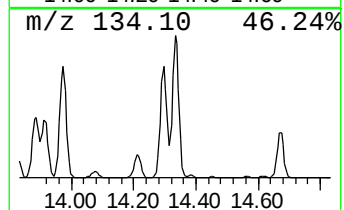
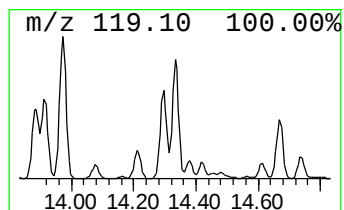
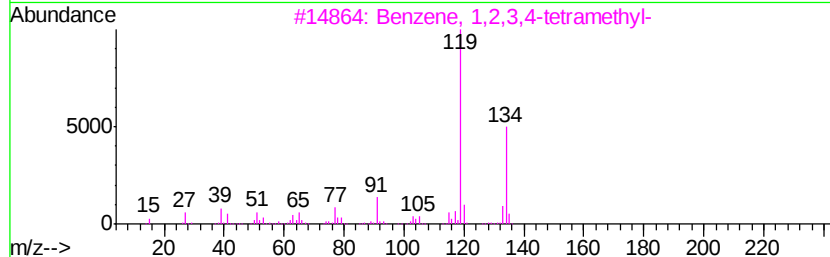
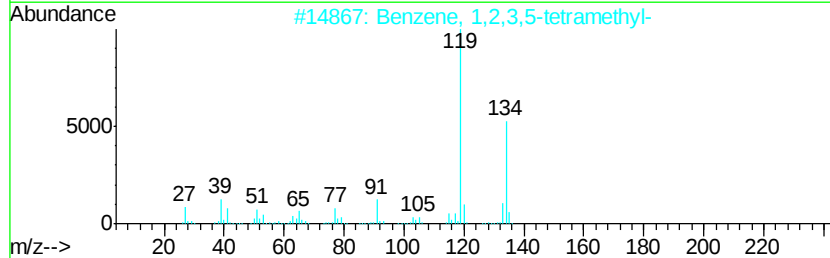
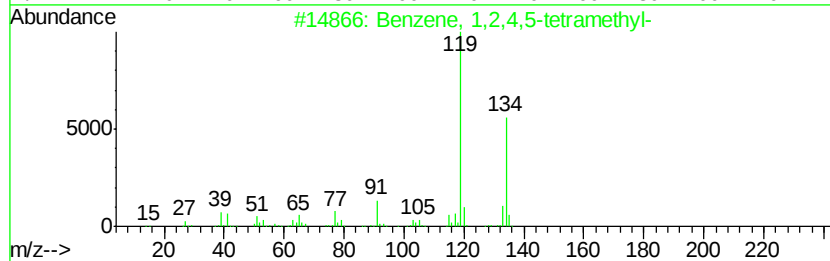
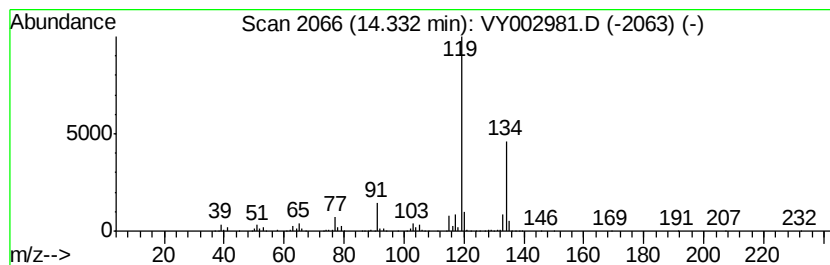
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 14.33 | 145.90 ug/l | 3569300 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 97   |
| 2    |    | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 97   |
| 3    |    | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 95   |
| 4    |    | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 95   |
| 5    |    | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062220\  
Data File : VY002981.D  
Acq On : 22 Jun 2020 18:09  
Operator : SY/MD  
Sample : L3071-10  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TW-1.5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y061920S.M  
Quant Title : SW846 8260

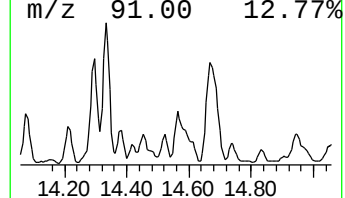
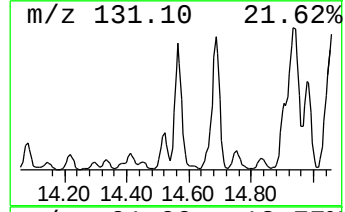
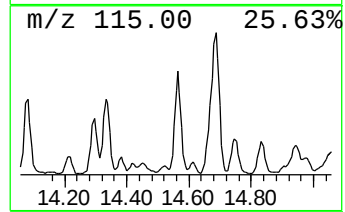
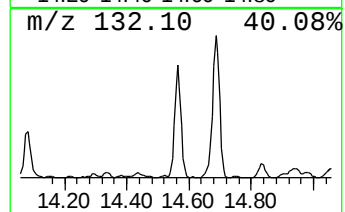
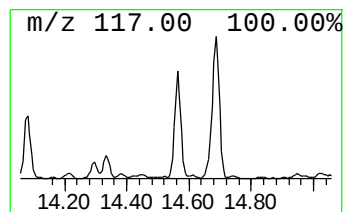
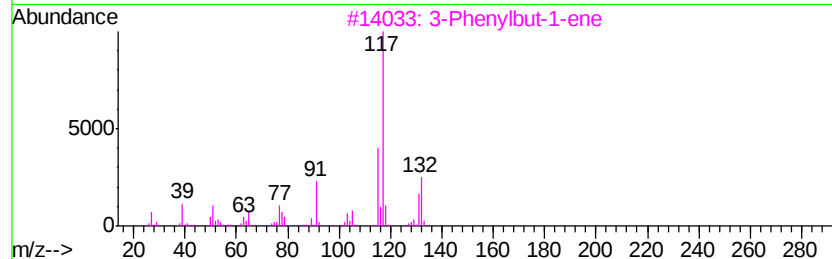
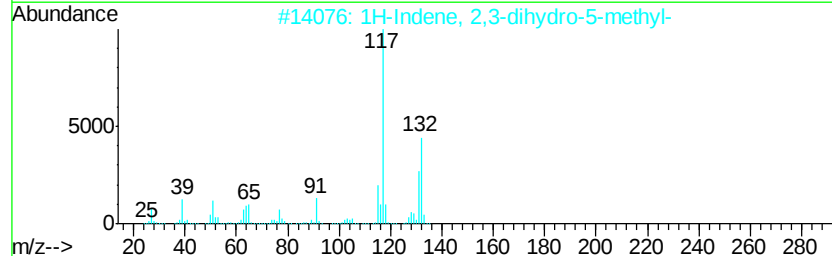
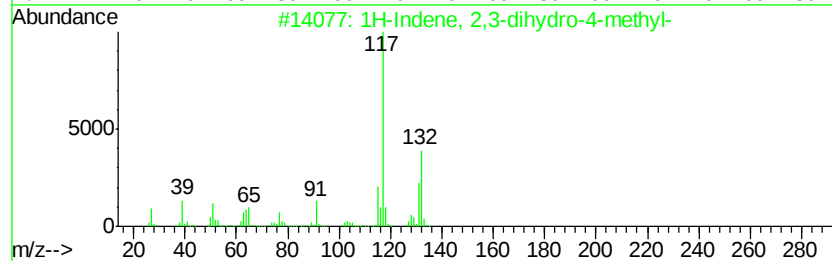
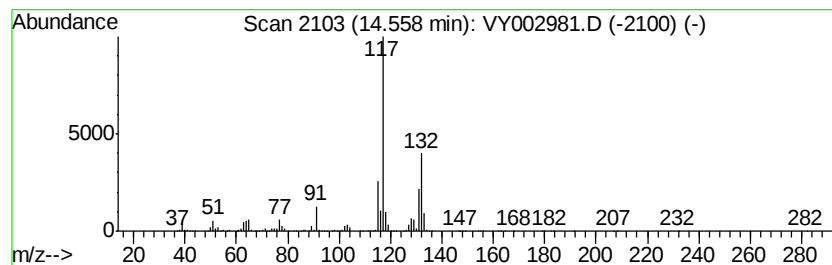
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 14.56 | 79.58 ug/l | 1946870 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 90   |
| 2    |    | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 87   |
| 3    |    | 3-Phenylbut-1-ene                | 132 | C10H12  | 000934-10-1 | 87   |
| 4    |    | Indan, 1-methyl-                 | 132 | C10H12  | 000767-58-8 | 81   |
| 5    |    | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 80   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062220\  
Data File : VY002981.D  
Acq On : 22 Jun 2020 18:09  
Operator : SY/MD  
Sample : L3071-10  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TW-1.5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y061920S.M  
Quant Title : SW846 8260

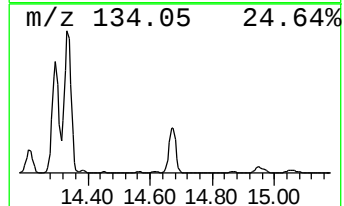
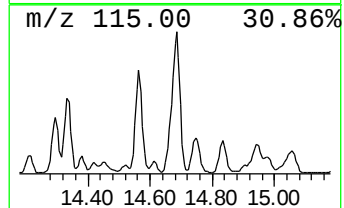
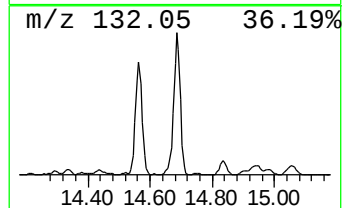
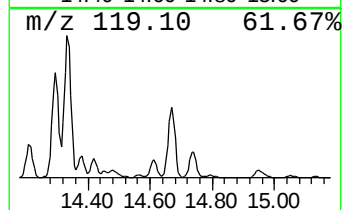
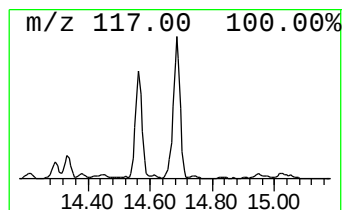
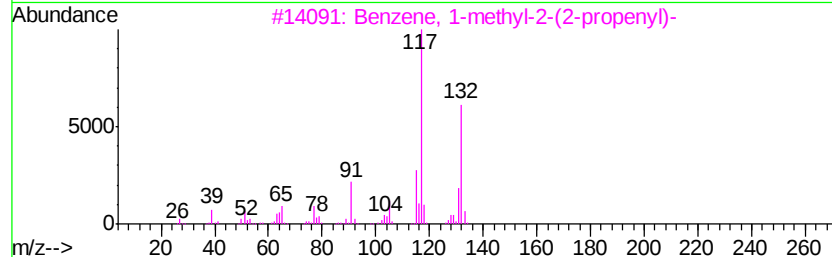
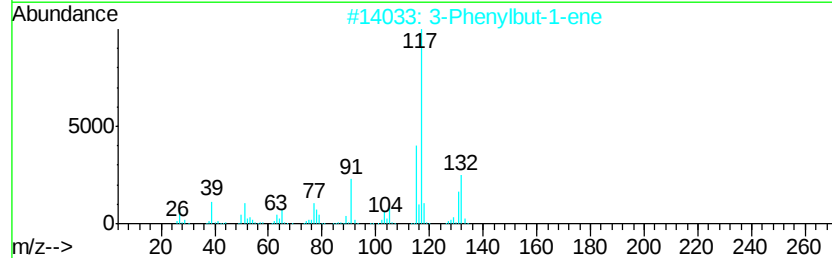
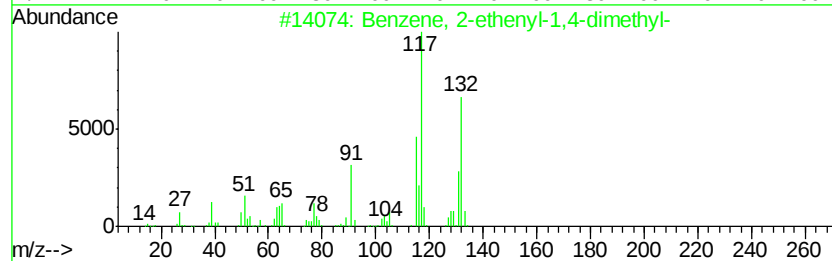
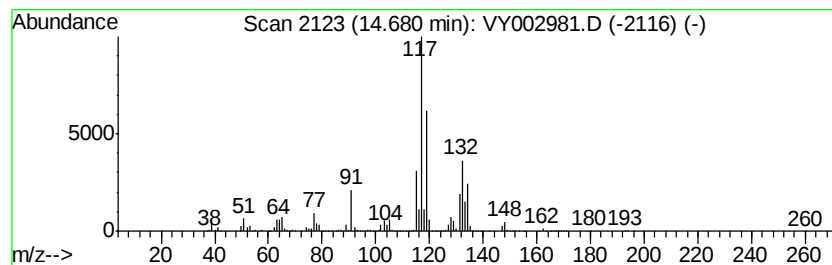
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 14.68 | 192.58 ug/l | 4711210 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethenyl-1,4-dimethyl-    | 132 | C10H12  | 002039-89-6 | 90   |
| 2    |    | 3-Phenylbut-1-ene                   | 132 | C10H12  | 000934-10-1 | 70   |
| 3    |    | Benzene, 1-methyl-2-(2-propenyl)-   | 132 | C10H12  | 001587-04-8 | 64   |
| 4    |    | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 64   |
| 5    |    | 1H-Indene, 2,3-dihydro-5-methyl-    | 132 | C10H12  | 000874-35-1 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062220\  
Data File : VY002981.D  
Acq On : 22 Jun 2020 18:09  
Operator : SY/MD  
Sample : L3071-10  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TW-1.5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y061920S.M  
Quant Title : SW846 8260

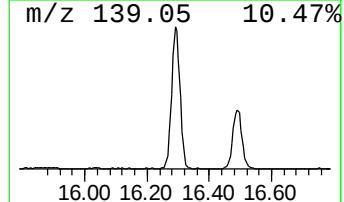
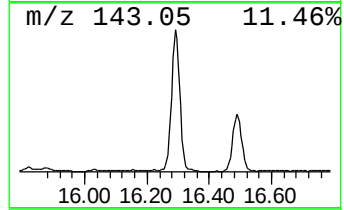
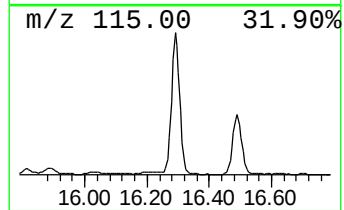
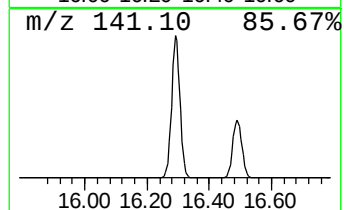
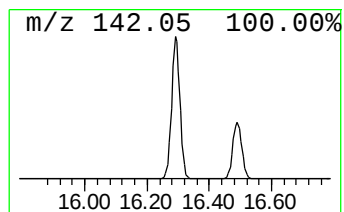
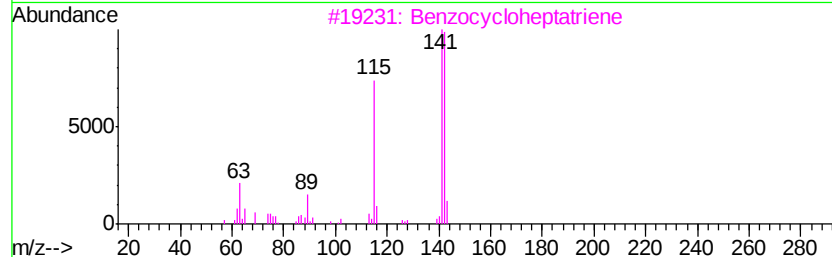
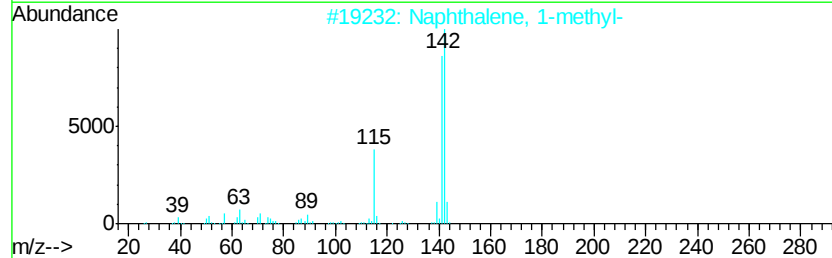
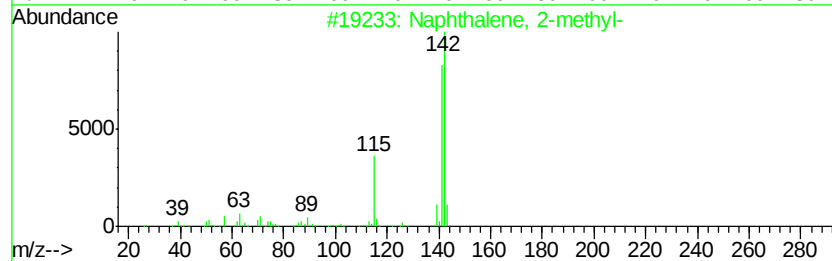
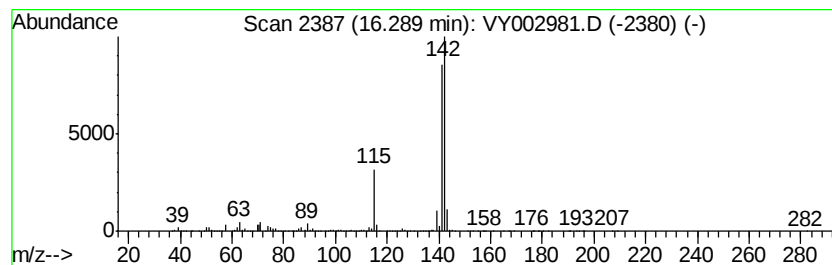
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 16.29 | 118.68 ug/l | 2903400 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 91   |
| 4    |    | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 91   |
| 5    |    | 3,4-Difluorobenzaldehyde            | 142 | C7H4F2O | 034036-07-2 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\DATA\VY062220\  
Data File : VY002981.D  
Acq On : 22 Jun 2020 18:09  
Operator : SY/MD  
Sample : L3071-10  
Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TW-1.5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y061920S.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, 1-ethyl-... | 12.74 | 479.8   | ug/l  | 11738400 | 4                     | 13.42 | 1223220 | 50.0 |
| Benzene, cyclopro... | 13.63 | 257.1   | ug/l  | 6290550  | 4                     | 13.42 | 1223220 | 50.0 |
| Benzene, 2-ethyl-... | 13.88 | 93.3    | ug/l  | 2282390  | 4                     | 13.42 | 1223220 | 50.0 |
| Benzene, 1-ethyl-... | 13.97 | 166.3   | ug/l  | 4067480  | 4                     | 13.42 | 1223220 | 50.0 |
| Benzene, 1,2,3,5-... | 14.30 | 120.4   | ug/l  | 2945930  | 4                     | 13.42 | 1223220 | 50.0 |
| Benzene, 1,2,4,5-... | 14.33 | 145.9   | ug/l  | 3569300  | 4                     | 13.42 | 1223220 | 50.0 |
| 1H-Indene, 2,3-di... | 14.56 | 79.6    | ug/l  | 1946870  | 4                     | 13.42 | 1223220 | 50.0 |
| Benzene, 2-etheny... | 14.68 | 192.6   | ug/l  | 4711210  | 4                     | 13.42 | 1223220 | 50.0 |
| Naphthalene, 1-me... | 16.29 | 118.7   | ug/l  | 2903400  | 4                     | 13.42 | 1223220 | 50.0 |