

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW112218\  
 Data File : VW007014.D  
 Acq On : 21 Nov 2018 21:22  
 Operator : VAY/AP  
 Sample : J6013-01  
 Misc : 5.05G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DISPOSAL-WASTE-CLASS

## 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\_W\METHOD\82W112118S.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         | 2.148       | 37            | 40          | 46           | rVV3     | 1055           | 2184          | 3.31%           | 0.194%        |
| 2         | 4.129       | 359           | 365         | 370          | rBV2     | 417            | 859           | 1.30%           | 0.076%        |
| 3         | 4.916       | 488           | 494         | 495          | rBV3     | 1062           | 1607          | 2.44%           | 0.143%        |
| 4         | 5.440       | 575           | 580         | 582          | rBV3     | 705            | 1200          | 1.82%           | 0.107%        |
| 5         | 5.952       | 663           | 664         | 671          | rVB5     | 763            | 1183          | 1.79%           | 0.105%        |
| 6         | 6.879       | 812           | 816         | 817          | rBV2     | 874            | 1174          | 1.78%           | 0.104%        |
| 7         | 6.988       | 828           | 834         | 843          | rVB4     | 1029           | 2288          | 3.47%           | 0.203%        |
| 8         | 7.129       | 846           | 857         | 865          | rBV3     | 2388           | 6996          | 10.61%          | 0.622%        |
| 9         | 7.628       | 932           | 939         | 945          | rBV      | 1668           | 3782          | 5.74%           | 0.336%        |
| 10        | 7.891       | 972           | 982         | 987          | rBV3     | 6483           | 16891         | 25.62%          | 1.502%        |
| 11        | 7.952       | 987           | 992         | 1000         | rVV      | 16850          | 35613         | 54.01%          | 3.167%        |
| 12        | 8.043       | 1000          | 1007        | 1012         | rVB3     | 1872           | 4065          | 6.17%           | 0.361%        |
| 13        | 8.165       | 1021          | 1027        | 1034         | rVB4     | 2015           | 4436          | 6.73%           | 0.394%        |
| 14        | 8.256       | 1034          | 1042        | 1044         | rBV2     | 390            | 942           | 1.43%           | 0.084%        |
| 15        | 8.305       | 1044          | 1050        | 1060         | rVV2     | 6247           | 14650         | 22.22%          | 1.303%        |
| 16        | 8.439       | 1063          | 1072        | 1073         | rVV3     | 1220           | 1722          | 2.61%           | 0.153%        |
| 17        | 8.488       | 1073          | 1080        | 1090         | rVB      | 8726           | 22219         | 33.70%          | 1.976%        |
| 18        | 8.580       | 1092          | 1095        | 1101         | rVB4     | 473            | 779           | 1.18%           | 0.069%        |
| 19        | 8.701       | 1111          | 1115        | 1121         | rVB3     | 925            | 1315          | 1.99%           | 0.117%        |
| 20        | 8.848       | 1132          | 1139        | 1148         | rVB      | 21885          | 43668         | 66.23%          | 3.883%        |
| 21        | 9.335       | 1208          | 1219        | 1224         | rBV5     | 3278           | 7461          | 11.32%          | 0.663%        |
| 22        | 9.390       | 1224          | 1228        | 1235         | rVB4     | 2110           | 3694          | 5.60%           | 0.328%        |
| 23        | 9.518       | 1246          | 1249        | 1252         | rVB      | 724            | 792           | 1.20%           | 0.070%        |
| 24        | 9.762       | 1282          | 1289        | 1295         | rBV3     | 6927           | 14348         | 21.76%          | 1.276%        |
| 25        | 9.854       | 1300          | 1304        | 1305         | rBV2     | 769            | 1069          | 1.62%           | 0.095%        |
| 26        | 9.896       | 1305          | 1311        | 1317         | rVB2     | 8593           | 18150         | 27.53%          | 1.614%        |
| 27        | 9.963       | 1317          | 1322        | 1324         | rBV4     | 1113           | 1770          | 2.68%           | 0.157%        |
| 28        | 10.098      | 1336          | 1344        | 1350         | rBV5     | 1657           | 4474          | 6.79%           | 0.398%        |
| 29        | 10.256      | 1364          | 1370        | 1375         | rBV3     | 2151           | 4001          | 6.07%           | 0.356%        |
| 30        | 10.329      | 1375          | 1382        | 1387         | rVV      | 22891          | 40963         | 62.13%          | 3.642%        |
| 31        | 10.390      | 1388          | 1392        | 1399         | rVV      | 3173           | 5955          | 9.03%           | 0.530%        |
| 32        | 10.476      | 1399          | 1406        | 1419         | rVV      | 6946           | 18850         | 28.59%          | 1.676%        |
| 33        | 10.567      | 1419          | 1421        | 1424         | rVB3     | 608            | 696           | 1.06%           | 0.062%        |
| 34        | 10.719      | 1438          | 1446        | 1447         | rBV2     | 11850          | 20737         | 31.45%          | 1.844%        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW112218\  
 Data File : VW007014.D  
 Acq On : 21 Nov 2018 21:22  
 Operator : VAY/AP  
 Sample : J6013-01  
 Misc : 5.05G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DISPOSAL-WASTE-CLASS

## 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\_W\METHOD\82W112118S.M  
 Title : SW846 8260

|    |        |      |      |      |      |       |       |        |        |
|----|--------|------|------|------|------|-------|-------|--------|--------|
| 35 | 11.067 | 1499 | 1503 | 1511 | rVB3 | 1299  | 2359  | 3.58%  | 0.210% |
| 36 | 11.128 | 1511 | 1513 | 1515 | rBV3 | 732   | 766   | 1.16%  | 0.068% |
| 37 | 11.177 | 1518 | 1521 | 1523 | rBV2 | 624   | 715   | 1.08%  | 0.064% |
| 38 | 11.341 | 1545 | 1548 | 1552 | rVV3 | 679   | 808   | 1.23%  | 0.072% |
| 39 | 11.414 | 1555 | 1560 | 1563 | rVV4 | 1284  | 2545  | 3.86%  | 0.226% |
| 40 | 11.445 | 1563 | 1565 | 1569 | rVB4 | 1545  | 1786  | 2.71%  | 0.159% |
| 41 | 11.518 | 1571 | 1577 | 1580 | rBV3 | 921   | 1450  | 2.20%  | 0.129% |
| 42 | 11.634 | 1589 | 1596 | 1604 | rBV  | 21846 | 36718 | 55.69% | 3.265% |
| 43 | 11.738 | 1608 | 1613 | 1621 | rVV2 | 6623  | 10914 | 16.55% | 0.970% |
| 44 | 11.847 | 1622 | 1631 | 1640 | rVB2 | 7307  | 15849 | 24.04% | 1.409% |
| 45 | 12.079 | 1663 | 1669 | 1674 | rVB5 | 513   | 1102  | 1.67%  | 0.098% |
| 46 | 12.170 | 1674 | 1684 | 1693 | rBV  | 7089  | 13309 | 20.19% | 1.183% |
| 47 | 12.250 | 1693 | 1697 | 1702 | rVB5 | 746   | 1319  | 2.00%  | 0.117% |
| 48 | 12.335 | 1702 | 1711 | 1713 | rBV3 | 894   | 1607  | 2.44%  | 0.143% |
| 49 | 12.469 | 1729 | 1733 | 1737 | rBV4 | 1812  | 2751  | 4.17%  | 0.245% |
| 50 | 12.621 | 1748 | 1758 | 1767 | rVB3 | 21477 | 40190 | 60.95% | 3.574% |
| 51 | 12.707 | 1767 | 1772 | 1777 | rVB5 | 887   | 1715  | 2.60%  | 0.152% |
| 52 | 12.762 | 1777 | 1781 | 1784 | rBV3 | 1043  | 1744  | 2.65%  | 0.155% |
| 53 | 12.810 | 1784 | 1789 | 1793 | rVV  | 5039  | 7977  | 12.10% | 0.709% |
| 54 | 12.871 | 1793 | 1799 | 1801 | rVV  | 6425  | 9482  | 14.38% | 0.843% |
| 55 | 12.902 | 1801 | 1804 | 1808 | rVV  | 9695  | 16091 | 24.40% | 1.431% |
| 56 | 12.945 | 1808 | 1811 | 1818 | rVB  | 10810 | 17528 | 26.58% | 1.559% |
| 57 | 13.109 | 1831 | 1838 | 1844 | rBV  | 10946 | 18493 | 28.05% | 1.644% |
| 58 | 13.195 | 1850 | 1852 | 1857 | rVB4 | 1421  | 1814  | 2.75%  | 0.161% |
| 59 | 13.256 | 1857 | 1862 | 1867 | rBV2 | 12242 | 18610 | 28.22% | 1.655% |
| 60 | 13.304 | 1867 | 1870 | 1874 | rVB3 | 1311  | 1702  | 2.58%  | 0.151% |
| 61 | 13.377 | 1874 | 1882 | 1883 | rBV5 | 1473  | 2758  | 4.18%  | 0.245% |
| 62 | 13.414 | 1886 | 1888 | 1892 | rVB3 | 757   | 757   | 1.15%  | 0.067% |
| 63 | 13.451 | 1892 | 1894 | 1898 | rVB3 | 1388  | 1620  | 2.46%  | 0.144% |
| 64 | 13.493 | 1898 | 1901 | 1905 | rBV5 | 990   | 1755  | 2.66%  | 0.156% |
| 65 | 13.560 | 1907 | 1912 | 1915 | rBV  | 14699 | 25870 | 39.24% | 2.300% |
| 66 | 13.591 | 1915 | 1917 | 1931 | rVB2 | 17494 | 29367 | 44.54% | 2.611% |
| 67 | 13.725 | 1934 | 1939 | 1942 | rBV3 | 12289 | 19986 | 30.31% | 1.777% |
| 68 | 13.762 | 1942 | 1945 | 1948 | rVV2 | 13147 | 21417 | 32.48% | 1.904% |
| 69 | 13.798 | 1948 | 1951 | 1961 | rVB4 | 15787 | 30892 | 46.85% | 2.747% |
| 70 | 13.883 | 1961 | 1965 | 1970 | rBV4 | 3424  | 5682  | 8.62%  | 0.505% |
| 71 | 13.957 | 1972 | 1977 | 1982 | rVB  | 5576  | 8386  | 12.72% | 0.746% |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW112218\  
 Data File : VW007014.D  
 Acq On : 21 Nov 2018 21:22  
 Operator : VAY/AP  
 Sample : J6013-01  
 Misc : 5.05G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DISPOSAL-WASTE-CLASS

## 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\_W\METHOD\82W112118S.M  
 Title : SW846 8260

|     |        |      |      |      |      |       |       |         |        |
|-----|--------|------|------|------|------|-------|-------|---------|--------|
| 72  | 14.018 | 1982 | 1987 | 1989 | rBV  | 9224  | 13453 | 20.40%  | 1.196% |
| 73  | 14.042 | 1989 | 1991 | 1995 | rVB2 | 4941  | 5770  | 8.75%   | 0.513% |
| 74  | 14.103 | 1995 | 2001 | 2006 | rVB  | 35289 | 56613 | 85.86%  | 5.034% |
| 75  | 14.164 | 2006 | 2011 | 2014 | rBV3 | 4247  | 6125  | 9.29%   | 0.545% |
| 76  | 14.213 | 2014 | 2019 | 2025 | rVB2 | 21345 | 35516 | 53.87%  | 3.158% |
| 77  | 14.280 | 2025 | 2030 | 2036 | rVB7 | 1893  | 3337  | 5.06%   | 0.297% |
| 78  | 14.347 | 2036 | 2041 | 2046 | rBV3 | 6031  | 10025 | 15.20%  | 0.891% |
| 79  | 14.426 | 2046 | 2054 | 2057 | rBV  | 22340 | 36829 | 55.86%  | 3.275% |
| 80  | 14.463 | 2057 | 2060 | 2064 | rVB  | 15954 | 21220 | 32.18%  | 1.887% |
| 81  | 14.505 | 2064 | 2067 | 2071 | rVB  | 8119  | 10234 | 15.52%  | 0.910% |
| 82  | 14.548 | 2071 | 2074 | 2076 | rBV4 | 3042  | 3480  | 5.28%   | 0.309% |
| 83  | 14.572 | 2076 | 2078 | 2082 | rVB5 | 2737  | 3666  | 5.56%   | 0.326% |
| 84  | 14.652 | 2086 | 2091 | 2094 | rBV3 | 3451  | 4949  | 7.51%   | 0.440% |
| 85  | 14.694 | 2094 | 2098 | 2102 | rBV3 | 16055 | 26035 | 39.49%  | 2.315% |
| 86  | 14.737 | 2102 | 2105 | 2110 | rVB2 | 7137  | 10559 | 16.01%  | 0.939% |
| 87  | 14.816 | 2110 | 2118 | 2122 | rBV3 | 28231 | 65935 | 100.00% | 5.863% |
| 88  | 14.865 | 2122 | 2126 | 2134 | rVB3 | 6873  | 15192 | 23.04%  | 1.351% |
| 89  | 14.963 | 2138 | 2142 | 2146 | rBV4 | 1730  | 2421  | 3.67%   | 0.215% |
| 90  | 15.072 | 2149 | 2160 | 2164 | rBV3 | 16629 | 40115 | 60.84%  | 3.567% |
| 91  | 15.188 | 2172 | 2179 | 2185 | rVB3 | 13489 | 29960 | 45.44%  | 2.664% |
| 92  | 15.347 | 2197 | 2205 | 2207 | rBV7 | 1870  | 4099  | 6.22%   | 0.364% |
| 93  | 15.371 | 2207 | 2209 | 2214 | rVB4 | 1802  | 2064  | 3.13%   | 0.184% |
| 94  | 15.426 | 2214 | 2218 | 2221 | rBV5 | 516   | 808   | 1.23%   | 0.072% |
| 95  | 15.481 | 2221 | 2227 | 2229 | rVV5 | 3296  | 5913  | 8.97%   | 0.526% |
| 96  | 15.530 | 2233 | 2235 | 2244 | rVB3 | 3720  | 6268  | 9.51%   | 0.557% |
| 97  | 15.664 | 2250 | 2257 | 2264 | rBV2 | 3940  | 7042  | 10.68%  | 0.626% |
| 98  | 15.834 | 2280 | 2285 | 2297 | rVB8 | 1854  | 6252  | 9.48%   | 0.556% |
| 99  | 15.956 | 2300 | 2305 | 2308 | rBV4 | 612   | 916   | 1.39%   | 0.081% |
| 100 | 16.017 | 2312 | 2315 | 2317 | rBV3 | 993   | 1477  | 2.24%   | 0.131% |

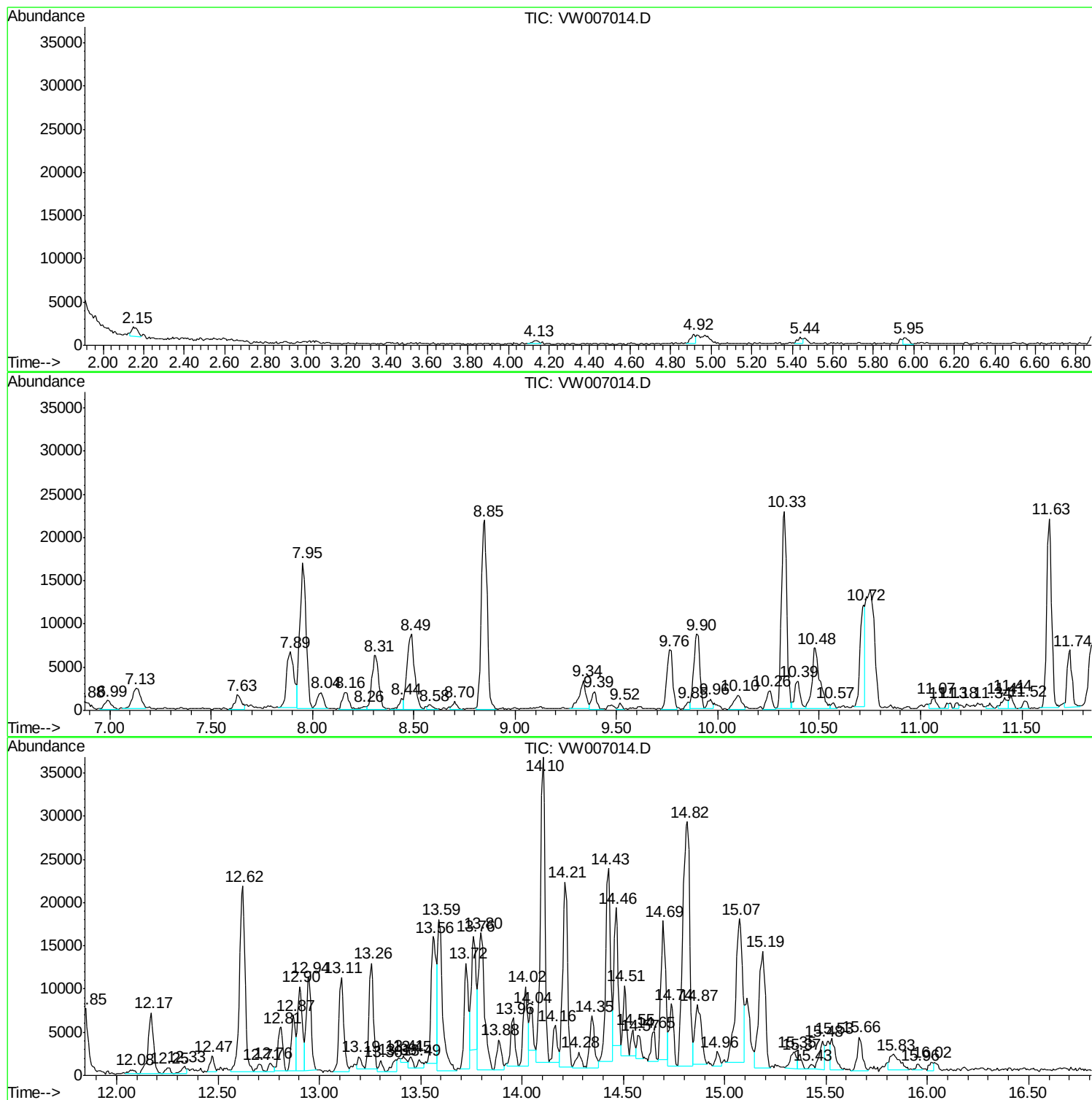
Sum of corrected areas: 1124640

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112218\  
Data File : VW007014.D  
Acq On : 21 Nov 2018 21:22  
Operator : VAY/AP  
Sample : J6013-01  
Misc : 5.05G/5ML/MSVOA\_W/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DISPOSAL-WASTE-CLASS

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112218\  
Data File : VW007014.D  
Acq On : 21 Nov 2018 21:22  
Operator : VAY/AP  
Sample : J6013-01  
Misc : 5.05G/5ML/MSVOA\_W/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DISPOSAL-WASTE-CLASS

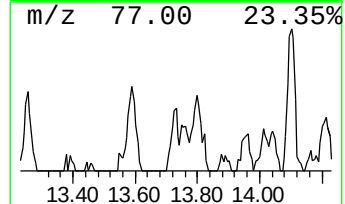
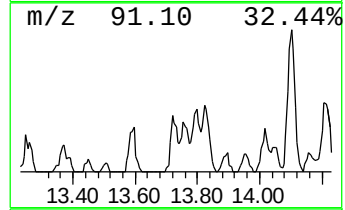
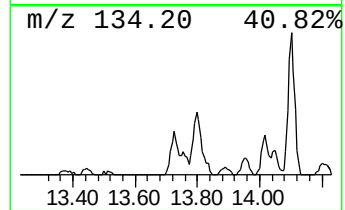
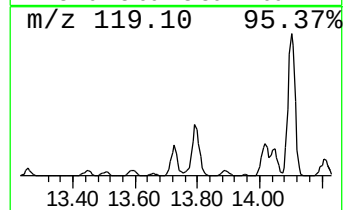
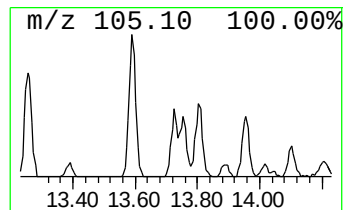
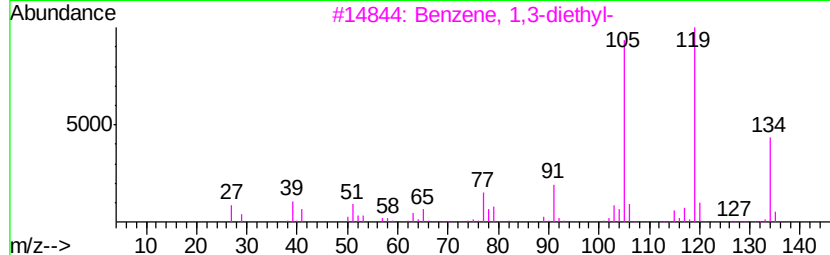
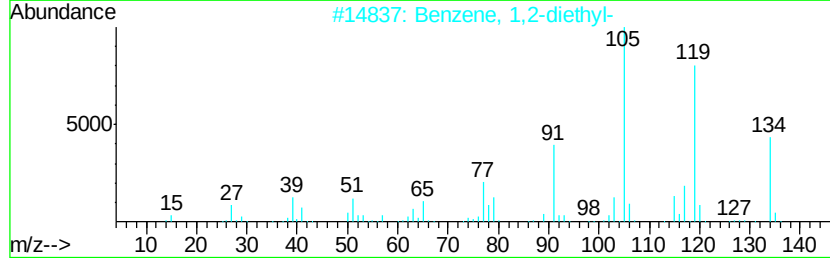
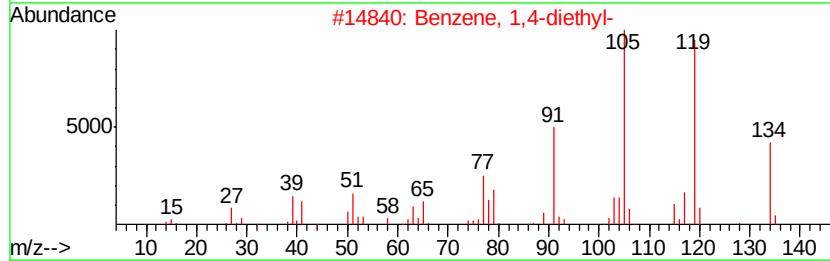
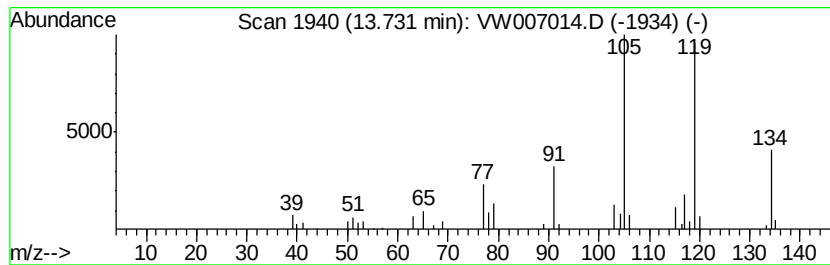
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 1 Benzene, 1,4-diethyl- Concentration Rank 10

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 13.73 | 38.63 ug/l | 19986 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,4-diethyl-          | 134 | C10H14  | 000105-05-5 | 95   |
| 2    |    | Benzene, 1,2-diethyl-          | 134 | C10H14  | 000135-01-3 | 95   |
| 3    |    | Benzene, 1,3-diethyl-          | 134 | C10H14  | 000141-93-5 | 91   |
| 4    |    | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 90   |
| 5    |    | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 87   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112218\  
Data File : VW007014.D  
Acq On : 21 Nov 2018 21:22  
Operator : VAY/AP  
Sample : J6013-01  
Misc : 5.05G/5ML/MSVOA\_W/SOIL  
ALS Vial : 22 Sample Multiplier: 1

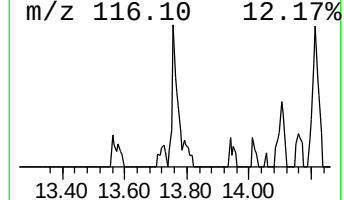
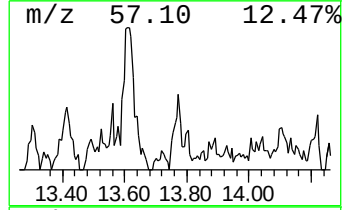
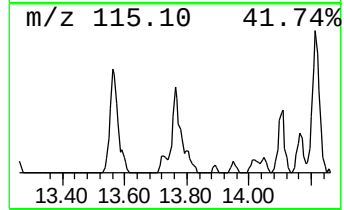
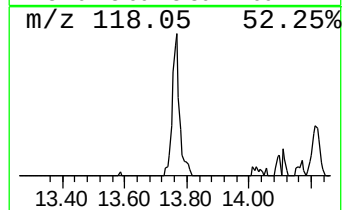
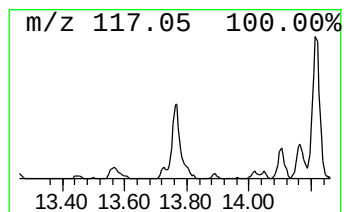
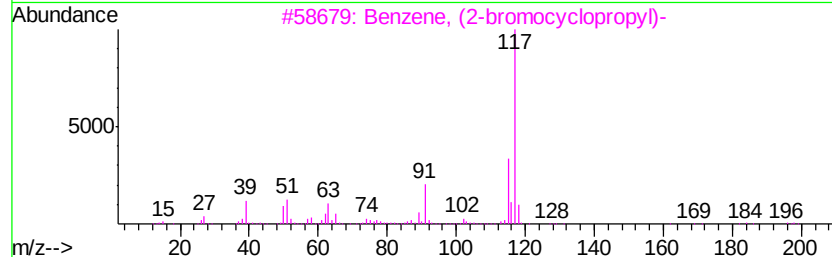
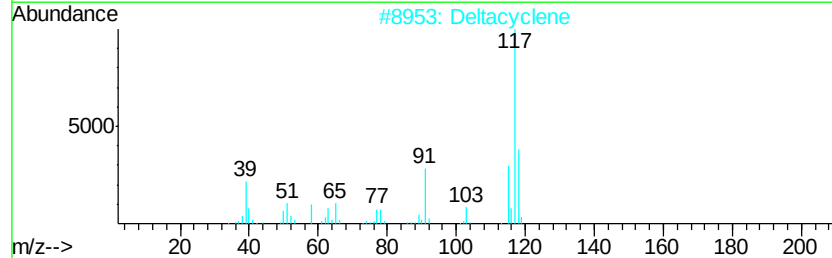
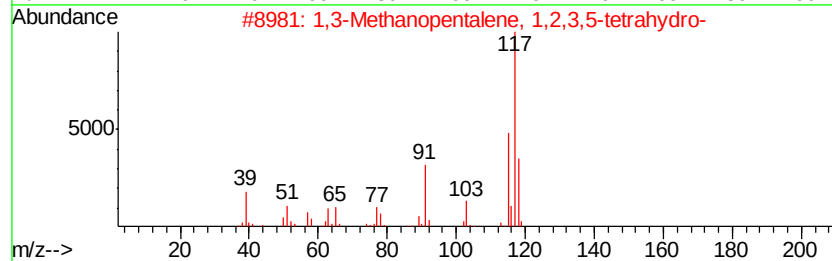
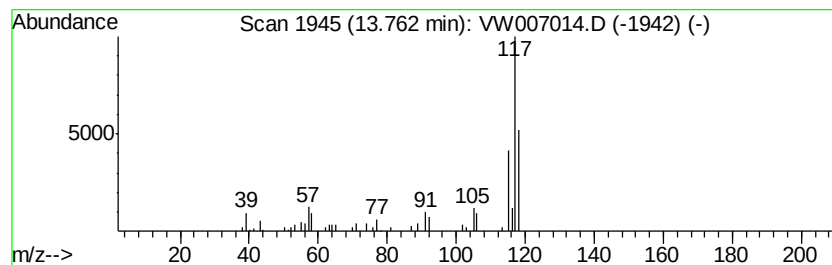
Instrument :  
MSVOA\_W  
ClientSampleId :  
DISPOSAL-WASTE-CLASS

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 1,3-Methanopentalene, 1,2,3... Concentration Rank 8

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 13.76   | 41.39 ug/l                          | 21417        | 1,4-Dichlorobenzene-d4 | 13.56     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | 1,3-Methanopentalene, 1,2,3,5-te... | 118 C9H10    | 128600-88-4            | 53        |
| 2       | Deltacyclene                        | 118 C9H10    | 007785-10-6            | 50        |
| 3       | Benzene, (2-bromocyclopropyl)-      | 196 C9H9Br   | 036617-02-4            | 38        |
| 4       | trans-Cinnamyl bromide              | 196 C9H9Br   | 026146-77-0            | 36        |
| 5       | 3-Bromo-1-phenyl-1-propene          | 196 C9H9Br   | 004392-24-9            | 28        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112218\  
Data File : VW007014.D  
Acq On : 21 Nov 2018 21:22  
Operator : VAY/AP  
Sample : J6013-01  
Misc : 5.05G/5ML/MSVOA\_W/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DISPOSAL-WASTE-CLASS

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

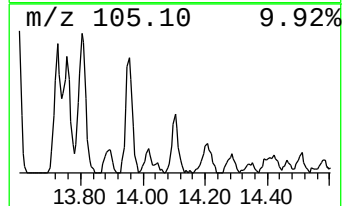
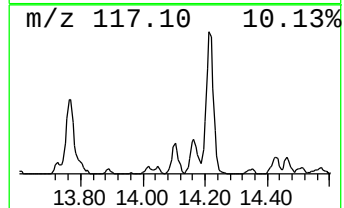
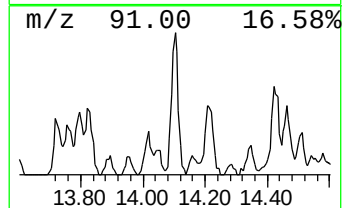
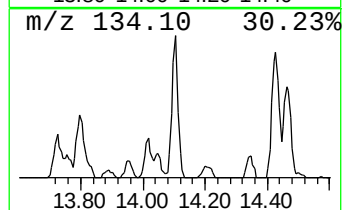
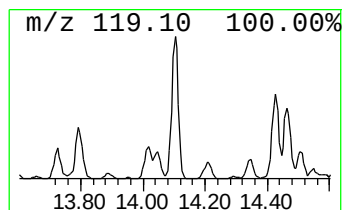
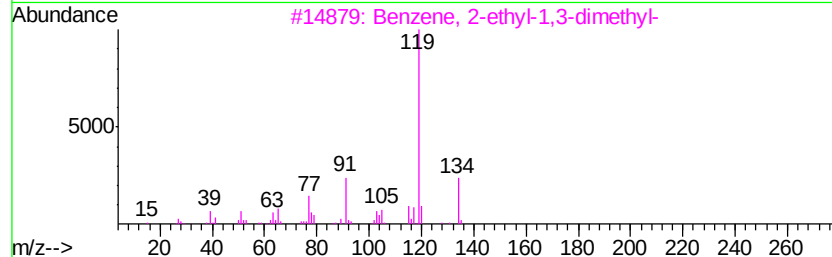
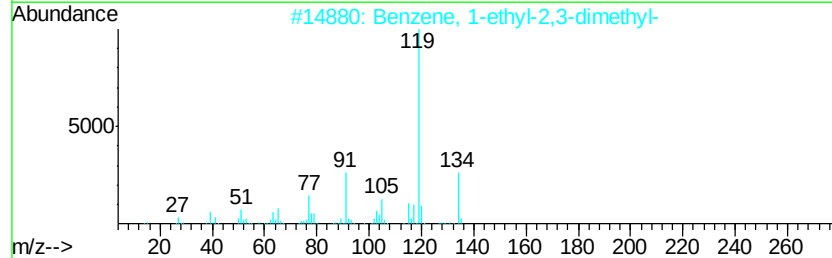
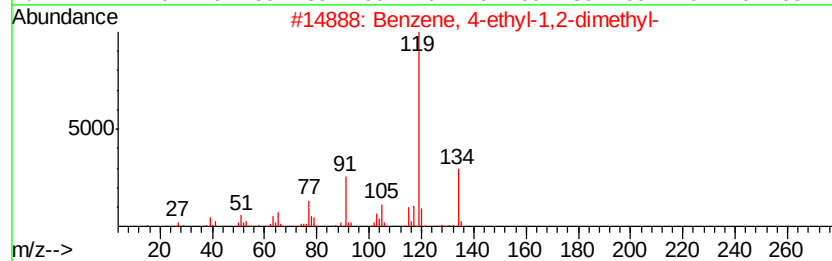
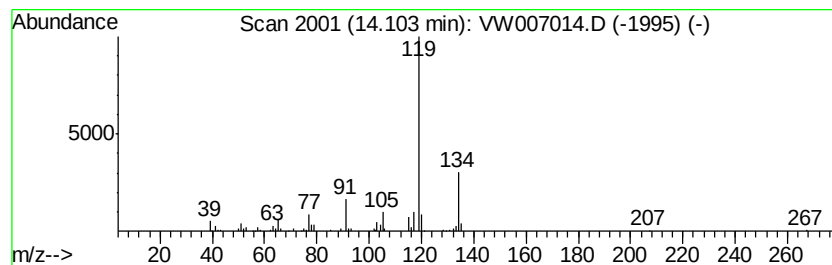
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc     | Area  | Relative to ISTD       | R.T.  |
|-------|-------------|-------|------------------------|-------|
| 14.10 | 109.42 ug/l | 56613 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 96   |
| 2    |    | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 95   |
| 3    |    | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 95   |
| 4    |    | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 94   |
| 5    |    | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 93   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112218\  
Data File : VW007014.D  
Acq On : 21 Nov 2018 21:22  
Operator : VAY/AP  
Sample : J6013-01  
Misc : 5.05G/5ML/MSVOA\_W/SOIL  
ALS Vial : 22 Sample Multiplier: 1

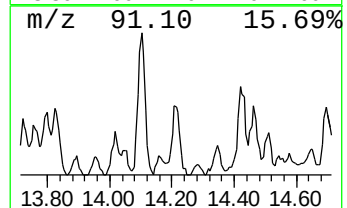
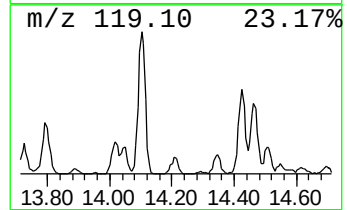
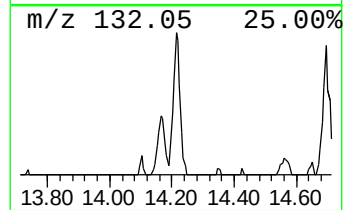
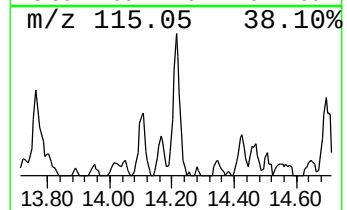
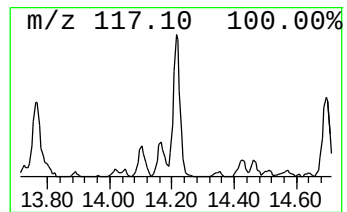
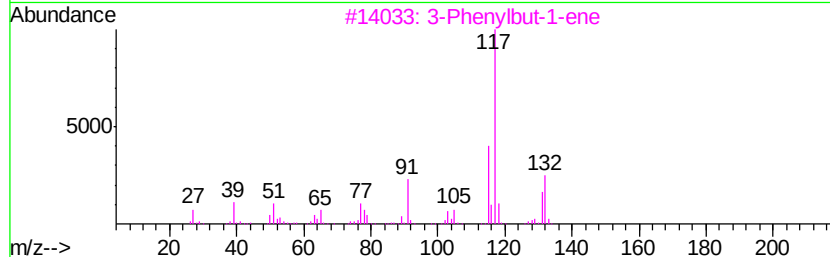
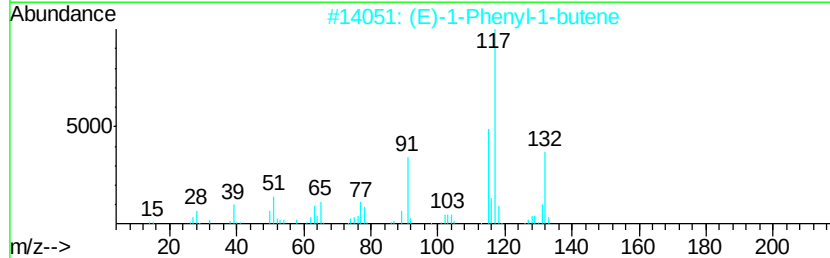
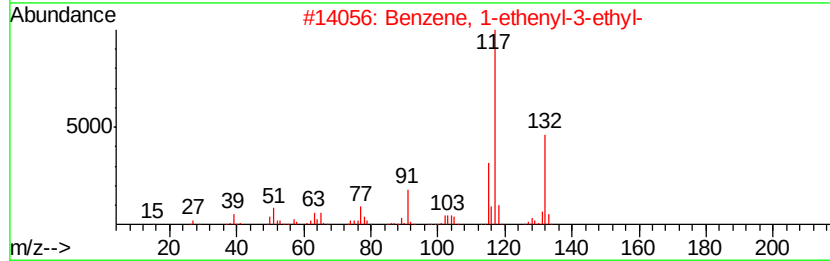
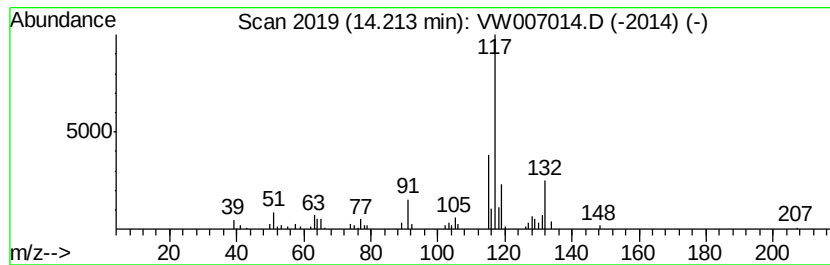
Instrument :  
MSVOA\_W  
ClientSampleId :  
DISPOSAL-WASTE-CLASS

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

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

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

| R.T.  | EstConc    | Area  | Relative to ISTD                |     | R.T.    |             |      |
|-------|------------|-------|---------------------------------|-----|---------|-------------|------|
| 14.21 | 68.64 ug/l | 35516 | 1,4-Dichlorobenzene-d4          |     | 13.56   |             |      |
| Hit#  | of         | 5     | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
| 1     |            |       | Benzene, 1-ethenyl-3-ethyl-     | 132 | C10H12  | 007525-62-4 | 81   |
| 2     |            |       | (E)-1-Phenyl-1-butene           | 132 | C10H12  | 001005-64-7 | 74   |
| 3     |            |       | 3-Phenylbut-1-ene               | 132 | C10H12  | 000934-10-1 | 72   |
| 4     |            |       | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12  | 000768-49-0 | 72   |
| 5     |            |       | Indan, 1-methyl-                | 132 | C10H12  | 000767-58-8 | 70   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112218\  
Data File : VW007014.D  
Acq On : 21 Nov 2018 21:22  
Operator : VAY/AP  
Sample : J6013-01  
Misc : 5.05G/5ML/MSVOA\_W/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DISPOSAL-WASTE-CLASS

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

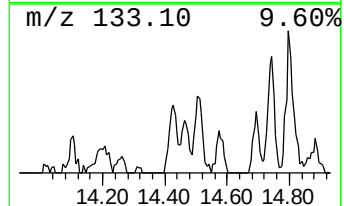
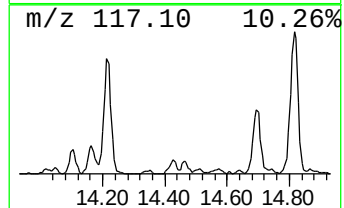
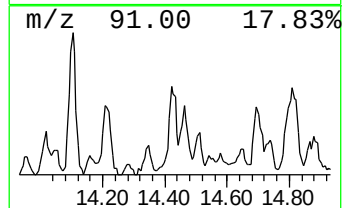
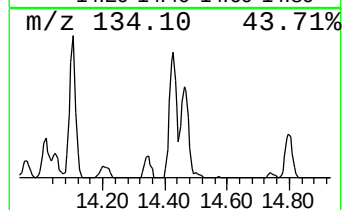
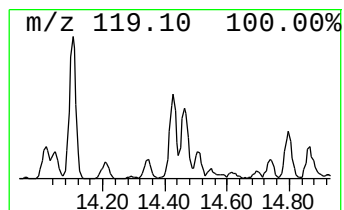
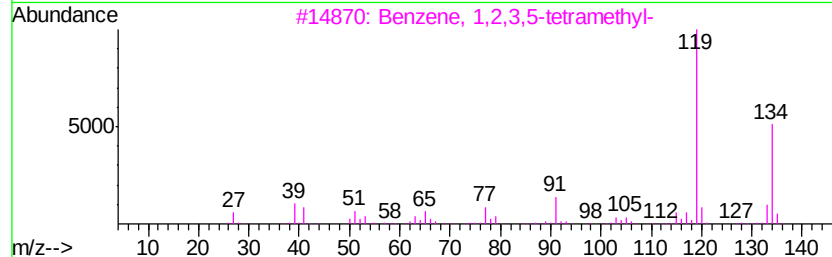
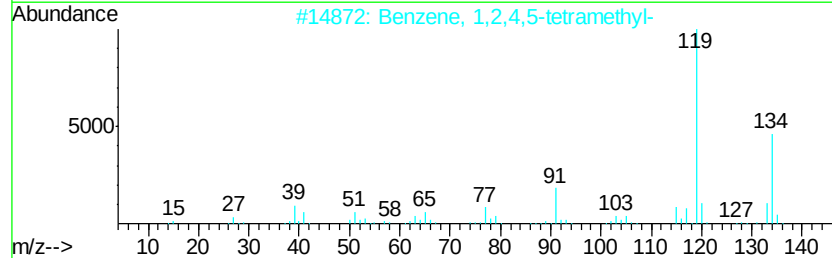
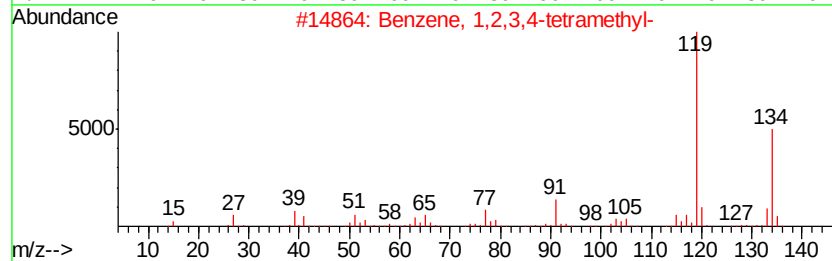
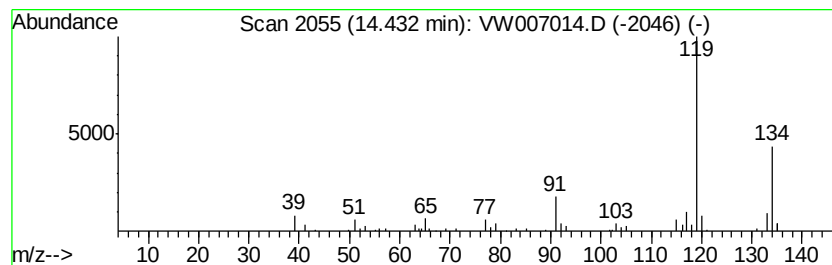
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 14.43 | 71.18 ug/l | 36829 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 97   |
| 2    |    | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 97   |
| 3    |    | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 97   |
| 4    |    | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 95   |
| 5    |    | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112218\  
Data File : VW007014.D  
Acq On : 21 Nov 2018 21:22  
Operator : VAY/AP  
Sample : J6013-01  
Misc : 5.05G/5ML/MSVOA\_W/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DISPOSAL-WASTE-CLASS

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

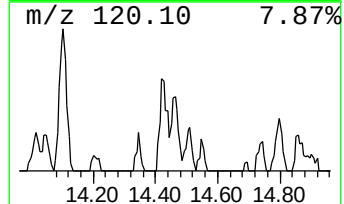
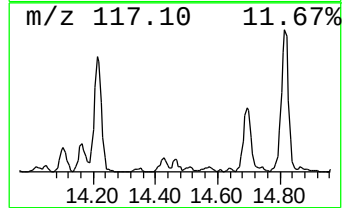
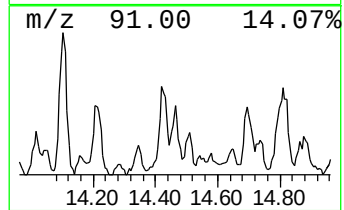
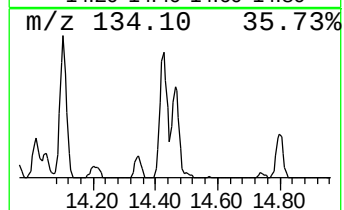
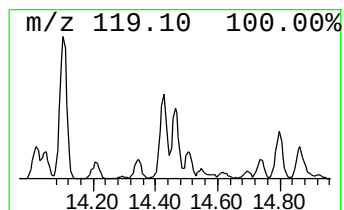
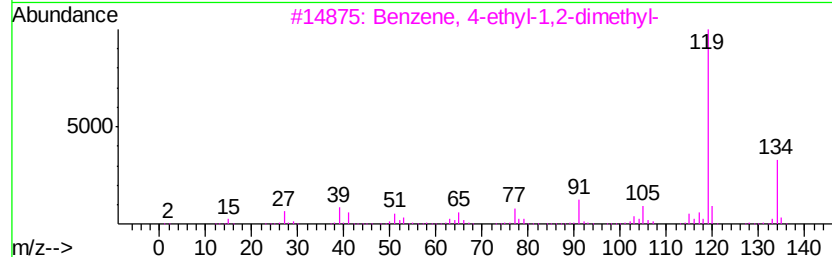
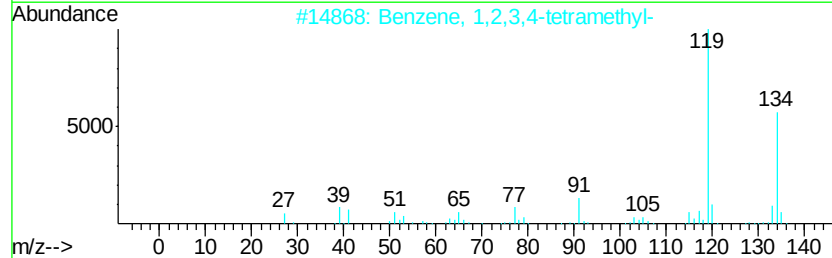
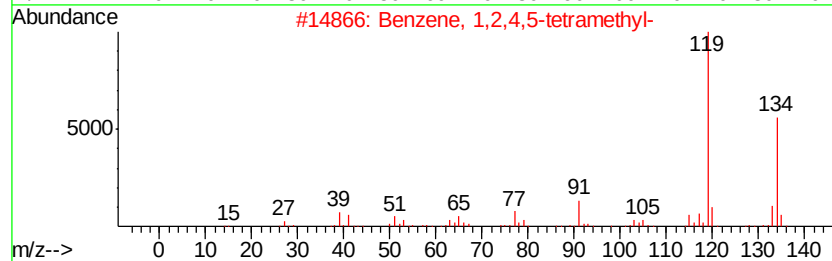
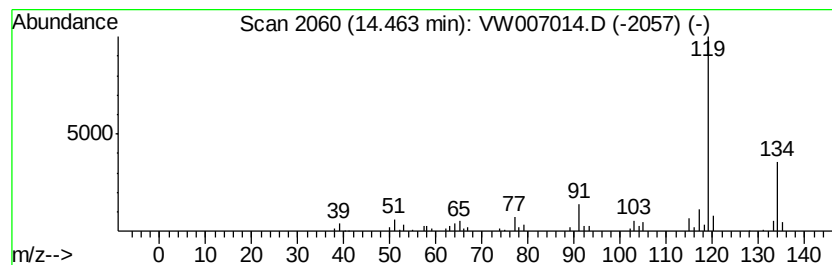
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 14.46 | 41.01 ug/l | 21220 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 94   |
| 2    |    | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 91   |
| 3    |    | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 91   |
| 4    |    | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14  | 076089-59-3 | 90   |
| 5    |    | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 90   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112218\  
Data File : VW007014.D  
Acq On : 21 Nov 2018 21:22  
Operator : VAY/AP  
Sample : J6013-01  
Misc : 5.05G/5ML/MSVOA\_W/SOIL  
ALS Vial : 22 Sample Multiplier: 1

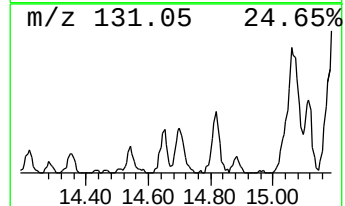
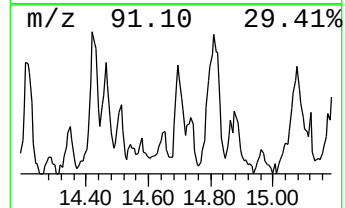
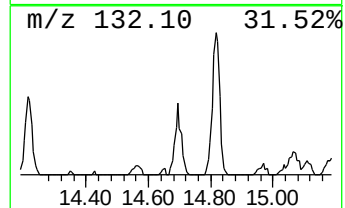
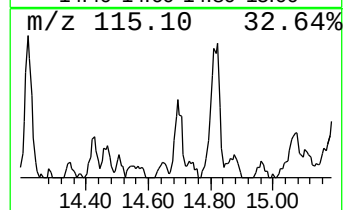
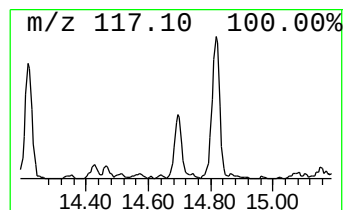
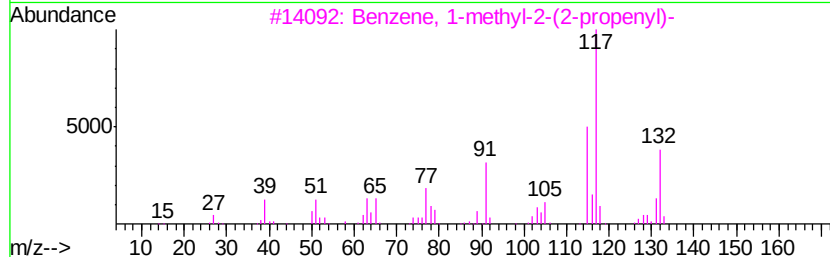
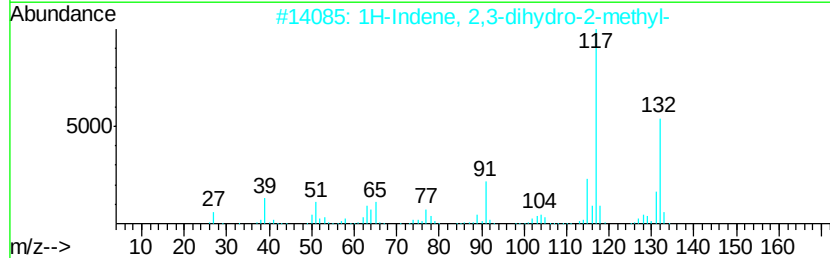
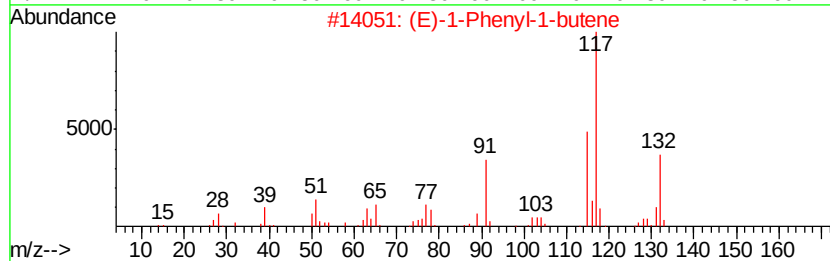
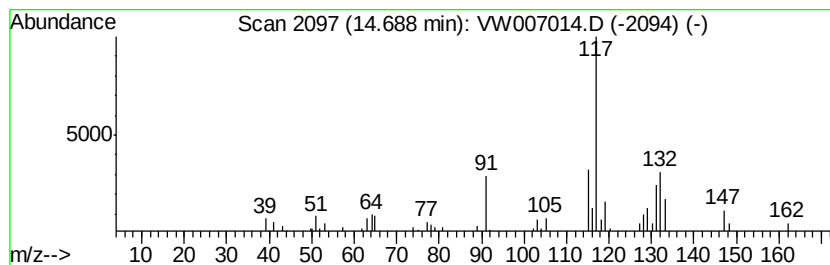
Instrument :  
MSVOA\_W  
ClientSampleId :  
DISPOSAL-WASTE-CLASS

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 7 (E)-1-Phenyl-1-butene Concentration Rank 7

| R.T.      | EstConc                           | Area  | Relative to ISTD       | R.T.        |      |
|-----------|-----------------------------------|-------|------------------------|-------------|------|
| 14.69     | 50.32 ug/l                        | 26035 | 1,4-Dichlorobenzene-d4 | 13.56       |      |
| Hit# of 5 | Tentative ID                      | MW    | MolForm                | CAS#        | Qual |
| 1         | (E)-1-Phenyl-1-butene             | 132   | C10H12                 | 001005-64-7 | 70   |
| 2         | 1H-Indene, 2,3-dihydro-2-methyl-  | 132   | C10H12                 | 000824-63-5 | 70   |
| 3         | Benzene, 1-methyl-2-(2-propenyl)- | 132   | C10H12                 | 001587-04-8 | 70   |
| 4         | Benzene, 2-butenyl-               | 132   | C10H12                 | 001560-06-1 | 64   |
| 5         | 1H-Indene, 2,3-dihydro-5-methyl-  | 132   | C10H12                 | 000874-35-1 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112218\  
Data File : VW007014.D  
Acq On : 21 Nov 2018 21:22  
Operator : VAY/AP  
Sample : J6013-01  
Misc : 5.05G/5ML/MSVOA\_W/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DISPOSAL-WASTE-CLASS

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

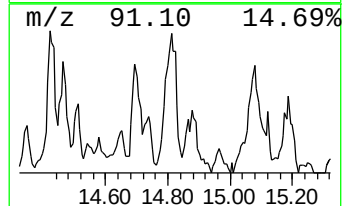
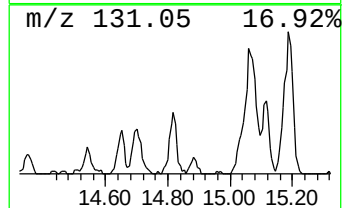
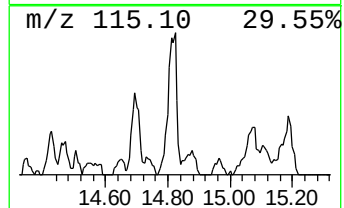
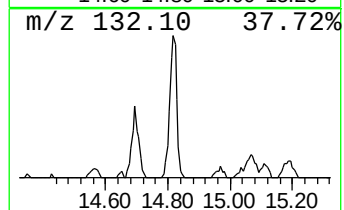
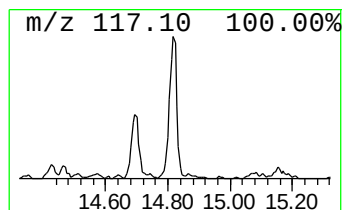
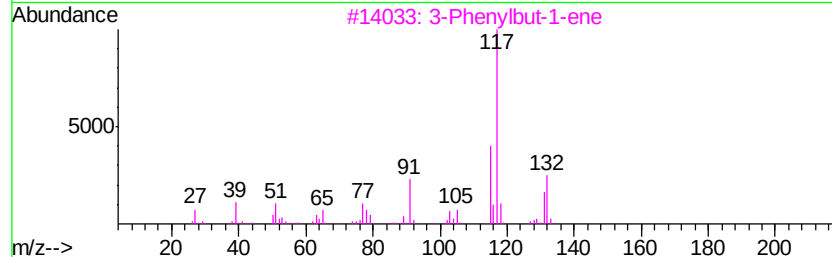
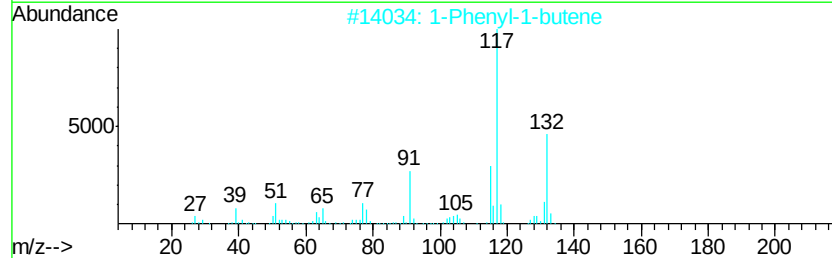
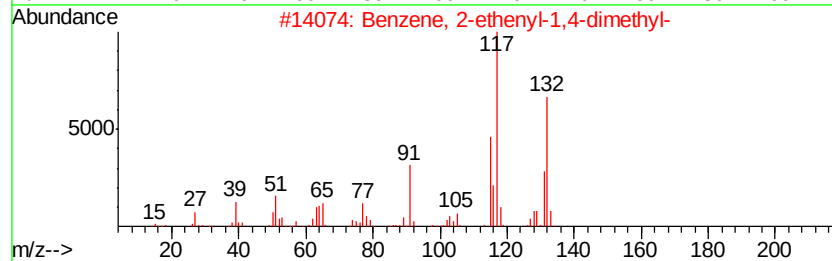
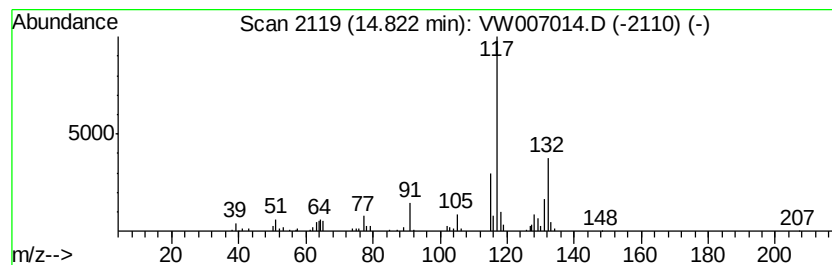
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

| R.T.  | EstConc     | Area  | Relative to ISTD       | R.T.  |
|-------|-------------|-------|------------------------|-------|
| 14.82 | 127.44 ug/l | 65935 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 96   |
| 2    |    | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 91   |
| 3    |    | 3-Phenylbut-1-ene                | 132 | C10H12  | 000934-10-1 | 90   |
| 4    |    | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 90   |
| 5    |    | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 90   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112218\  
Data File : VW007014.D  
Acq On : 21 Nov 2018 21:22  
Operator : VAY/AP  
Sample : J6013-01  
Misc : 5.05G/5ML/MSVOA\_W/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DISPOSAL-WASTE-CLASS

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

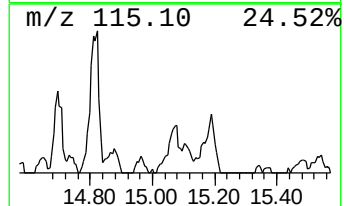
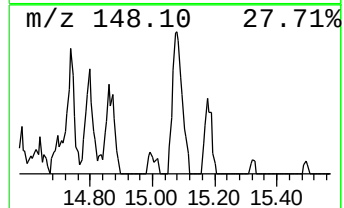
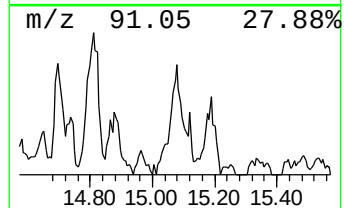
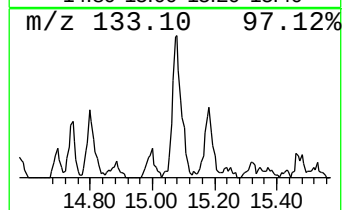
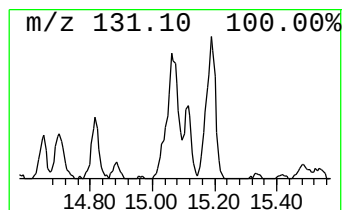
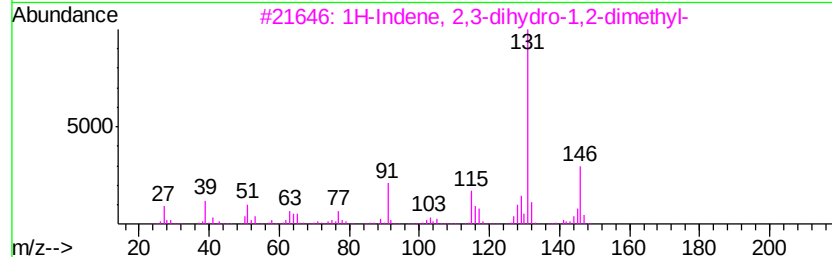
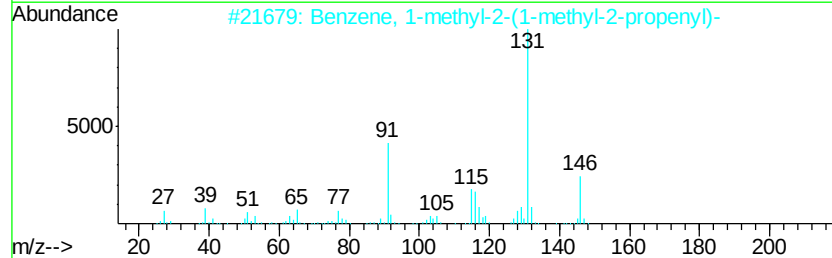
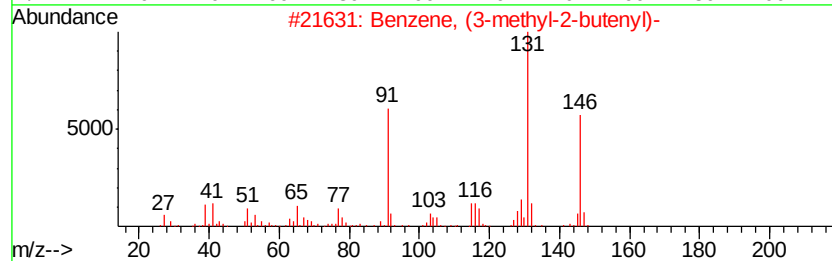
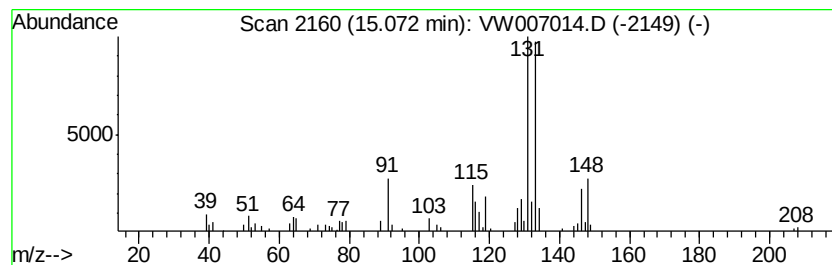
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Benzene, (3-methyl-2-butenyl)- Concentration Rank 3

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 15.07 | 77.53 ug/l | 40115 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 89   |
| 2    |    | Benzene, 1-methyl-2-(1-methyl-2-... | 146 | C11H14  | 097664-19-2 | 55   |
| 3    |    | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 50   |
| 4    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001559-81-5 | 50   |
| 5    |    | Benzene, 1-methyl-3-(1-methyl-2-... | 146 | C11H14  | 052161-57-6 | 50   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112218\  
Data File : VW007014.D  
Acq On : 21 Nov 2018 21:22  
Operator : VAY/AP  
Sample : J6013-01  
Misc : 5.05G/5ML/MSVOA\_W/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DISPOSAL-WASTE-CLASS

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

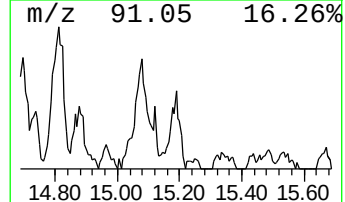
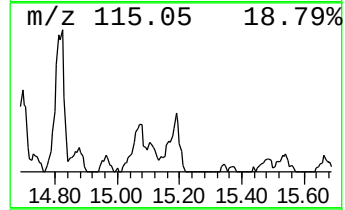
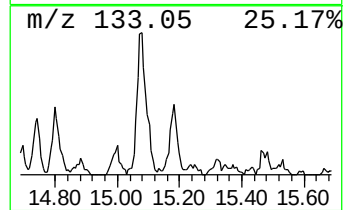
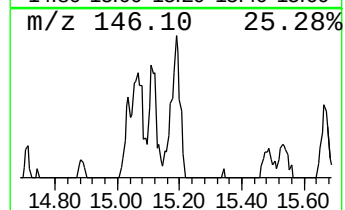
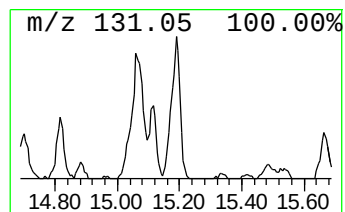
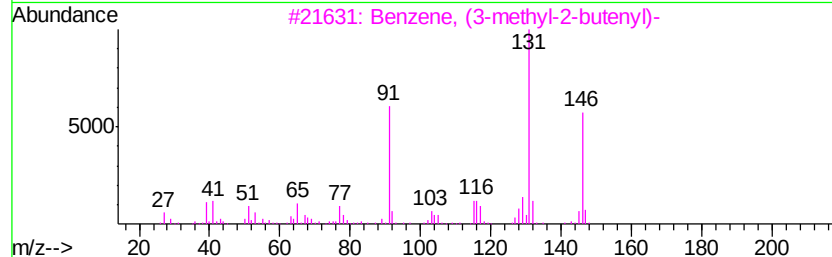
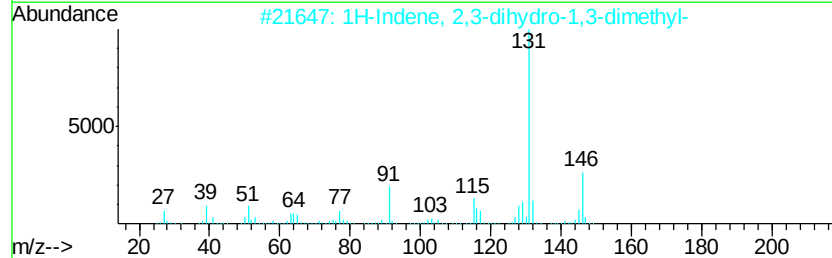
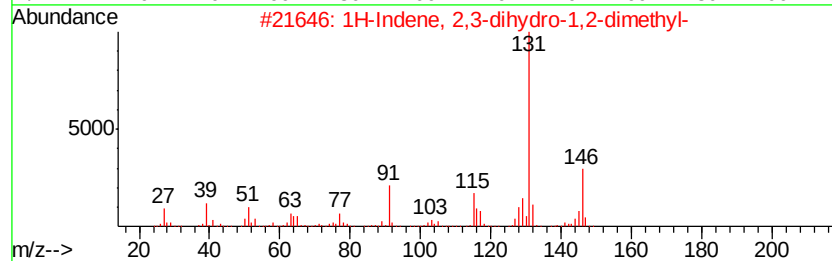
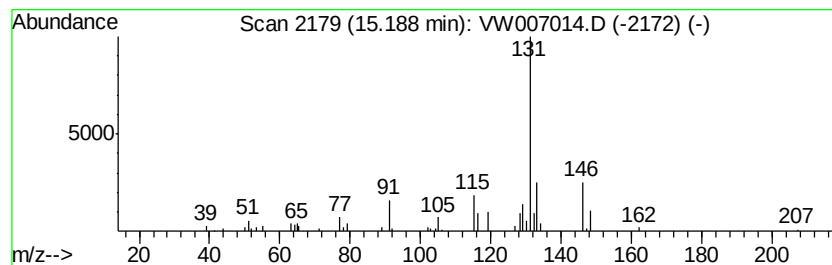
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 6

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 15.19 | 57.90 ug/l | 29960 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 76   |
| 2    |    | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 68   |
| 3    |    | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 68   |
| 4    |    | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14  | 097664-18-1 | 64   |
| 5    |    | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 64   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW112218\  
Data File : VW007014.D  
Acq On : 21 Nov 2018 21:22  
Operator : VAY/AP  
Sample : J6013-01  
Misc : 5.05G/5ML/MSVOA\_W/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DISPOSAL-WASTE-CLASS

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.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, 1,4-diet... | 13.73 | 38.6    | ug/l  | 19986    | 4                     | 13.56 | 25870 | 50.0 |
| 1,3-Methanopental... | 13.76 | 41.4    | ug/l  | 21417    | 4                     | 13.56 | 25870 | 50.0 |
| Benzene, 4-ethyl-... | 14.10 | 109.4   | ug/l  | 56613    | 4                     | 13.56 | 25870 | 50.0 |
| Benzene, 1-etheny... | 14.21 | 68.6    | ug/l  | 35516    | 4                     | 13.56 | 25870 | 50.0 |
| Benzene, 1,2,3,4-... | 14.43 | 71.2    | ug/l  | 36829    | 4                     | 13.56 | 25870 | 50.0 |
| Benzene, 1,2,4,5-... | 14.46 | 41.0    | ug/l  | 21220    | 4                     | 13.56 | 25870 | 50.0 |
| (E)-1-Phenyl-1-bu... | 14.69 | 50.3    | ug/l  | 26035    | 4                     | 13.56 | 25870 | 50.0 |
| Benzene, 2-etheny... | 14.82 | 127.4   | ug/l  | 65935    | 4                     | 13.56 | 25870 | 50.0 |
| Benzene, (3-methy... | 15.07 | 77.5    | ug/l  | 40115    | 4                     | 13.56 | 25870 | 50.0 |
| 1H-Indene, 2,3-di... | 15.19 | 57.9    | ug/l  | 29960    | 4                     | 13.56 | 25870 | 50.0 |