

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\  
 Data File : VW006861.D  
 Acq On : 13 Nov 2018 18:10  
 Operator : SY/AP  
 Sample : J5895-01  
 Misc : 8.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-1

## 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\82W111218S.M  
 Title : SW846 8260

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.928       | 485           | 496         | 511          | rBV4     | 7388           | 25607         | 3.16%           | 0.141%        |
| 2         | 7.891       | 971           | 982         | 986          | rBV      | 42403          | 101208        | 12.47%          | 0.559%        |
| 3         | 7.952       | 986           | 992         | 1001         | rVV      | 123188         | 298379        | 36.77%          | 1.648%        |
| 4         | 8.165       | 1019          | 1027        | 1034         | rBV2     | 16859          | 40719         | 5.02%           | 0.225%        |
| 5         | 8.311       | 1043          | 1051        | 1060         | rBV      | 35832          | 76556         | 9.43%           | 0.423%        |
| 6         | 8.445       | 1065          | 1073        | 1077         | rVV4     | 9842           | 24996         | 3.08%           | 0.138%        |
| 7         | 8.512       | 1078          | 1084        | 1090         | rVV4     | 10708          | 29094         | 3.59%           | 0.161%        |
| 8         | 8.701       | 1106          | 1115        | 1124         | rVV2     | 36127          | 74840         | 9.22%           | 0.413%        |
| 9         | 8.848       | 1130          | 1139        | 1151         | rBV      | 161671         | 331679        | 40.88%          | 1.832%        |
| 10        | 9.342       | 1205          | 1220        | 1225         | rBV      | 97838          | 231446        | 28.52%          | 1.279%        |
| 11        | 9.390       | 1225          | 1228        | 1237         | rVB2     | 12229          | 23843         | 2.94%           | 0.132%        |
| 12        | 9.524       | 1244          | 1250        | 1255         | rVB2     | 13009          | 26375         | 3.25%           | 0.146%        |
| 13        | 9.610       | 1255          | 1264        | 1272         | rBV2     | 16570          | 36556         | 4.51%           | 0.202%        |
| 14        | 9.756       | 1283          | 1288        | 1298         | rVB4     | 24041          | 51331         | 6.33%           | 0.284%        |
| 15        | 9.854       | 1298          | 1304        | 1308         | rBV      | 22726          | 42400         | 5.23%           | 0.234%        |
| 16        | 9.902       | 1308          | 1312        | 1317         | rVV3     | 26145          | 51653         | 6.37%           | 0.285%        |
| 17        | 9.963       | 1317          | 1322        | 1336         | rVB2     | 87147          | 206960        | 25.51%          | 1.143%        |
| 18        | 10.104      | 1336          | 1345        | 1356         | rBV      | 72274          | 157275        | 19.38%          | 0.869%        |
| 19        | 10.207      | 1356          | 1362        | 1365         | rBV      | 15156          | 28857         | 3.56%           | 0.159%        |
| 20        | 10.256      | 1365          | 1370        | 1375         | rVB3     | 19701          | 36290         | 4.47%           | 0.200%        |
| 21        | 10.329      | 1375          | 1382        | 1393         | rBV2     | 274053         | 581532        | 71.67%          | 3.213%        |
| 22        | 10.451      | 1393          | 1402        | 1405         | rBV3     | 21237          | 40966         | 5.05%           | 0.226%        |
| 23        | 10.512      | 1405          | 1412        | 1418         | rVB3     | 103222         | 214004        | 26.37%          | 1.182%        |
| 24        | 10.671      | 1433          | 1438        | 1442         | rBV      | 46233          | 85205         | 10.50%          | 0.471%        |
| 25        | 10.750      | 1442          | 1451        | 1462         | rVB3     | 109817         | 369109        | 45.49%          | 2.039%        |
| 26        | 10.847      | 1463          | 1467        | 1473         | rVB4     | 28720          | 52398         | 6.46%           | 0.289%        |
| 27        | 10.939      | 1473          | 1482        | 1488         | rBV2     | 52465          | 93575         | 11.53%          | 0.517%        |
| 28        | 11.042      | 1488          | 1499        | 1506         | rBV      | 52220          | 148249        | 18.27%          | 0.819%        |
| 29        | 11.110      | 1506          | 1510        | 1513         | rBV3     | 29912          | 50295         | 6.20%           | 0.278%        |
| 30        | 11.146      | 1513          | 1516        | 1518         | rVV2     | 26802          | 42378         | 5.22%           | 0.234%        |
| 31        | 11.183      | 1518          | 1522        | 1526         | rVV      | 103662         | 168063        | 20.71%          | 0.929%        |
| 32        | 11.231      | 1526          | 1530        | 1536         | rVV      | 62077          | 114950        | 14.17%          | 0.635%        |
| 33        | 11.286      | 1536          | 1539        | 1544         | rVV3     | 23886          | 37229         | 4.59%           | 0.206%        |
| 34        | 11.341      | 1544          | 1548        | 1552         | rVV2     | 53706          | 81497         | 10.04%          | 0.450%        |

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 Sample : J5895-01  
 Misc : 8.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-1

## 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\82W111218S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 11.414 | 1552 | 1560 | 1572 | rVB3 | 176612 | 460922 | 56.80% | 2.547% |
| 36 | 11.518 | 1572 | 1577 | 1582 | rBV  | 152039 | 243356 | 29.99% | 1.345% |
| 37 | 11.634 | 1590 | 1596 | 1603 | rBV  | 219554 | 366866 | 45.21% | 2.027% |
| 38 | 11.737 | 1607 | 1613 | 1617 | rBV2 | 114430 | 188801 | 23.27% | 1.043% |
| 39 | 11.817 | 1621 | 1626 | 1628 | rBV3 | 38421  | 71850  | 8.85%  | 0.397% |
| 40 | 11.878 | 1633 | 1636 | 1640 | rVV2 | 98519  | 155478 | 19.16% | 0.859% |
| 41 | 11.920 | 1640 | 1643 | 1648 | rVB2 | 65891  | 98263  | 12.11% | 0.543% |
| 42 | 12.067 | 1656 | 1667 | 1673 | rBV5 | 34813  | 103671 | 12.78% | 0.573% |
| 43 | 12.140 | 1673 | 1679 | 1685 | rBV3 | 100539 | 211176 | 26.03% | 1.167% |
| 44 | 12.256 | 1693 | 1698 | 1702 | rVB  | 79855  | 125847 | 15.51% | 0.695% |
| 45 | 12.341 | 1702 | 1712 | 1715 | rBV6 | 84898  | 225960 | 27.85% | 1.248% |
| 46 | 12.390 | 1715 | 1720 | 1724 | rVB2 | 73999  | 138272 | 17.04% | 0.764% |
| 47 | 12.469 | 1729 | 1733 | 1736 | rVV  | 59550  | 115987 | 14.29% | 0.641% |
| 48 | 12.518 | 1737 | 1741 | 1743 | rVV4 | 67517  | 137686 | 16.97% | 0.761% |
| 49 | 12.548 | 1743 | 1746 | 1748 | rVV  | 87387  | 136595 | 16.83% | 0.755% |
| 50 | 12.573 | 1748 | 1750 | 1753 | rVV  | 94625  | 132308 | 16.31% | 0.731% |
| 51 | 12.621 | 1753 | 1758 | 1762 | rVV  | 194178 | 380263 | 46.86% | 2.101% |
| 52 | 12.652 | 1762 | 1763 | 1768 | rVB  | 86780  | 88695  | 10.93% | 0.490% |
| 53 | 12.707 | 1768 | 1772 | 1776 | rBV3 | 33034  | 49272  | 6.07%  | 0.272% |
| 54 | 12.810 | 1782 | 1789 | 1794 | rVB  | 201389 | 343234 | 42.30% | 1.896% |
| 55 | 12.902 | 1800 | 1804 | 1808 | rBV  | 164197 | 289921 | 35.73% | 1.602% |
| 56 | 12.951 | 1808 | 1812 | 1817 | rVV  | 190119 | 320074 | 39.45% | 1.768% |
| 57 | 12.993 | 1817 | 1819 | 1826 | rVB3 | 41842  | 64049  | 7.89%  | 0.354% |
| 58 | 13.109 | 1829 | 1838 | 1845 | rBV2 | 75017  | 218979 | 26.99% | 1.210% |
| 59 | 13.170 | 1845 | 1848 | 1855 | rVB3 | 48756  | 89546  | 11.04% | 0.495% |
| 60 | 13.255 | 1856 | 1862 | 1867 | rBV  | 448581 | 694898 | 85.64% | 3.839% |
| 61 | 13.298 | 1867 | 1869 | 1874 | rVB  | 25902  | 35619  | 4.39%  | 0.197% |
| 62 | 13.377 | 1875 | 1882 | 1886 | rBV5 | 33754  | 91457  | 11.27% | 0.505% |
| 63 | 13.451 | 1891 | 1894 | 1898 | rVB3 | 32843  | 47023  | 5.80%  | 0.260% |
| 64 | 13.493 | 1898 | 1901 | 1904 | rBV2 | 41617  | 56165  | 6.92%  | 0.310% |
| 65 | 13.566 | 1908 | 1913 | 1914 | rBV  | 234567 | 338026 | 41.66% | 1.868% |
| 66 | 13.591 | 1914 | 1917 | 1930 | rVB  | 444707 | 802429 | 98.89% | 4.433% |
| 67 | 13.725 | 1934 | 1939 | 1941 | rBV  | 121952 | 178470 | 21.99% | 0.986% |
| 68 | 13.761 | 1941 | 1945 | 1949 | rVV  | 296026 | 458982 | 56.56% | 2.536% |
| 69 | 13.804 | 1949 | 1952 | 1961 | rVB3 | 218227 | 459145 | 56.59% | 2.537% |
| 70 | 13.883 | 1961 | 1965 | 1970 | rBV3 | 59132  | 103037 | 12.70% | 0.569% |
| 71 | 13.957 | 1973 | 1977 | 1982 | rBV  | 54003  | 71572  | 8.82%  | 0.395% |

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 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
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## Integration Parameters: RTEINT.P

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 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\82W111218S.M  
 Title : SW846 8260

|     |        |      |      |      |      |        |        |         |        |
|-----|--------|------|------|------|------|--------|--------|---------|--------|
| 72  | 14.018 | 1982 | 1987 | 1990 | rBV  | 100760 | 161148 | 19.86%  | 0.890% |
| 73  | 14.103 | 1995 | 2001 | 2006 | rVB  | 394508 | 585195 | 72.12%  | 3.233% |
| 74  | 14.164 | 2006 | 2011 | 2014 | rBV  | 76933  | 104370 | 12.86%  | 0.577% |
| 75  | 14.213 | 2014 | 2019 | 2025 | rVB2 | 279857 | 455644 | 56.15%  | 2.517% |
| 76  | 14.274 | 2025 | 2029 | 2035 | rVB5 | 25134  | 48417  | 5.97%   | 0.267% |
| 77  | 14.347 | 2035 | 2041 | 2045 | rBV3 | 89472  | 158867 | 19.58%  | 0.878% |
| 78  | 14.426 | 2045 | 2054 | 2057 | rBV  | 207533 | 355141 | 43.77%  | 1.962% |
| 79  | 14.463 | 2057 | 2060 | 2064 | rVB  | 125185 | 166391 | 20.51%  | 0.919% |
| 80  | 14.505 | 2064 | 2067 | 2071 | rBV  | 91282  | 116127 | 14.31%  | 0.642% |
| 81  | 14.548 | 2071 | 2074 | 2079 | rVB3 | 45381  | 68874  | 8.49%   | 0.381% |
| 82  | 14.609 | 2080 | 2084 | 2087 | rBV  | 23981  | 32706  | 4.03%   | 0.181% |
| 83  | 14.652 | 2087 | 2091 | 2094 | rBV  | 39021  | 47862  | 5.90%   | 0.264% |
| 84  | 14.694 | 2094 | 2098 | 2103 | rBV2 | 281174 | 481026 | 59.28%  | 2.658% |
| 85  | 14.816 | 2110 | 2118 | 2123 | rBV2 | 380983 | 811425 | 100.00% | 4.483% |
| 86  | 14.865 | 2123 | 2126 | 2132 | rVB2 | 89110  | 152674 | 18.82%  | 0.843% |
| 87  | 14.969 | 2138 | 2143 | 2149 | rBV2 | 41838  | 73654  | 9.08%   | 0.407% |
| 88  | 15.072 | 2149 | 2160 | 2164 | rVV2 | 190768 | 487056 | 60.02%  | 2.691% |
| 89  | 15.109 | 2164 | 2166 | 2172 | rVV  | 93511  | 160243 | 19.75%  | 0.885% |
| 90  | 15.188 | 2172 | 2179 | 2186 | rVB3 | 144831 | 333946 | 41.16%  | 1.845% |
| 91  | 15.340 | 2198 | 2204 | 2205 | rBV4 | 29576  | 48572  | 5.99%   | 0.268% |
| 92  | 15.371 | 2205 | 2209 | 2215 | rVV  | 90609  | 168502 | 20.77%  | 0.931% |
| 93  | 15.481 | 2222 | 2227 | 2231 | rVV3 | 57937  | 109298 | 13.47%  | 0.604% |
| 94  | 15.529 | 2232 | 2235 | 2249 | rVB7 | 44412  | 133107 | 16.40%  | 0.735% |
| 95  | 15.664 | 2250 | 2257 | 2264 | rBV  | 68857  | 140895 | 17.36%  | 0.778% |
| 96  | 15.834 | 2276 | 2285 | 2296 | rBV5 | 30353  | 114463 | 14.11%  | 0.632% |
| 97  | 15.956 | 2301 | 2305 | 2310 | rVV4 | 11516  | 22614  | 2.79%   | 0.125% |
| 98  | 16.035 | 2311 | 2318 | 2333 | rVB2 | 25593  | 88232  | 10.87%  | 0.487% |
| 99  | 16.450 | 2379 | 2386 | 2399 | rVB  | 131924 | 288172 | 35.51%  | 1.592% |
| 100 | 16.657 | 2412 | 2420 | 2430 | rVB2 | 49576  | 116059 | 14.30%  | 0.641% |

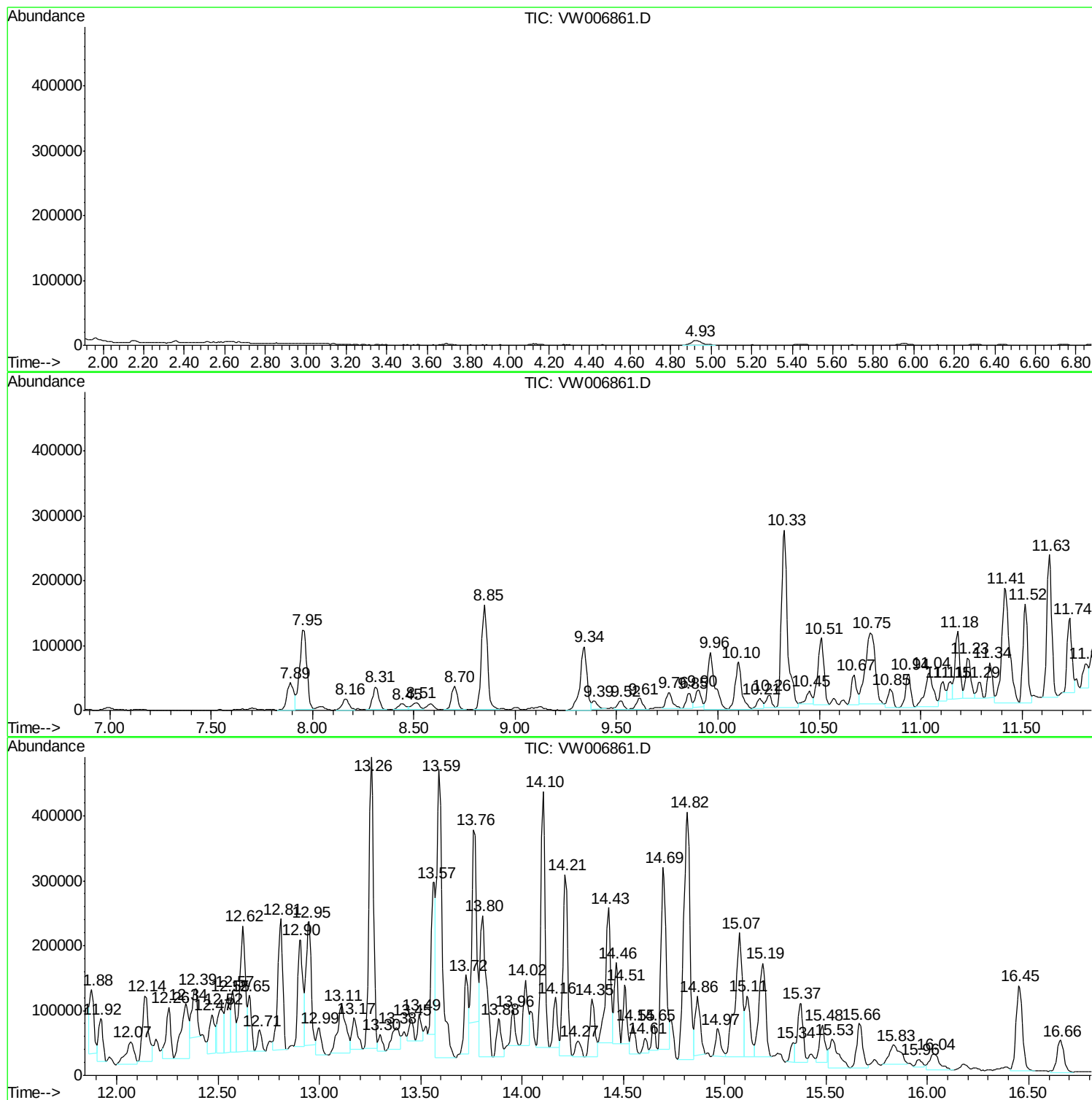
Sum of corrected areas: 18100088

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W111218S.M  
Quant Title : SW846 8260

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



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W111218S.M  
Quant Title : SW846 8260

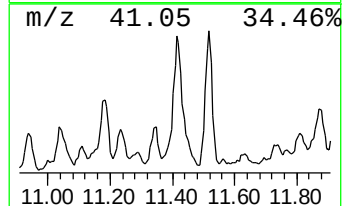
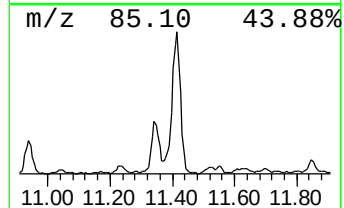
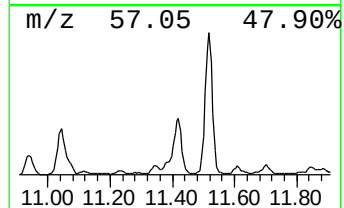
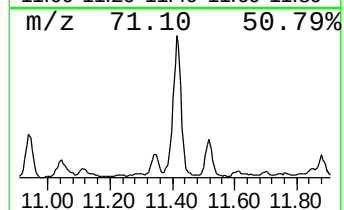
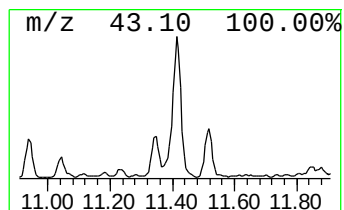
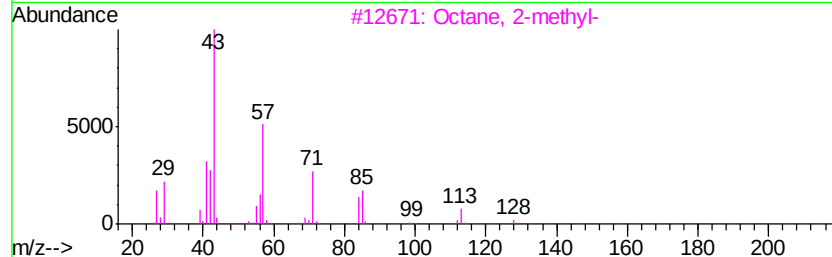
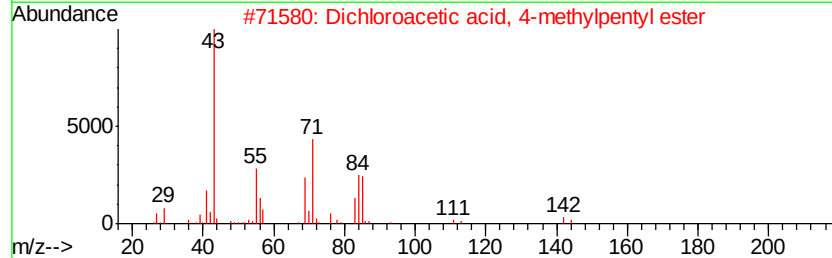
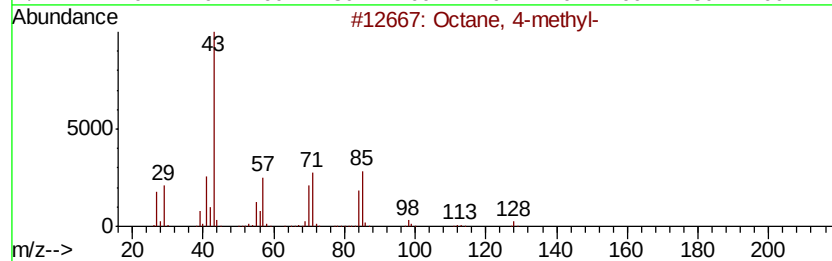
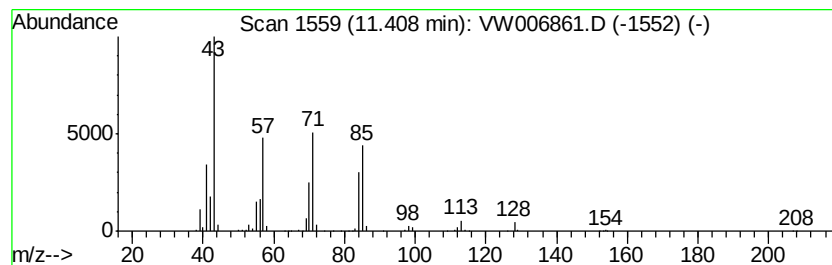
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Octane, 4-methyl- Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 11.41 | 62.82 ug/l | 460922 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Octane, 4-methyl-                   | 128 | C9H20      | 002216-34-4  | 72   |
| 2    |    | Dichloroacetic acid, 4-methylpen... | 212 | C8H14Cl2O2 | 1000282-43-7 | 64   |
| 3    |    | Octane, 2-methyl-                   | 128 | C9H20      | 003221-61-2  | 62   |
| 4    |    | Heptane, 2,4-dimethyl-              | 128 | C9H20      | 002213-23-2  | 53   |
| 5    |    | Hexane, 3,3-dimethyl-               | 114 | C8H18      | 000563-16-6  | 53   |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W111218S.M  
Quant Title : SW846 8260

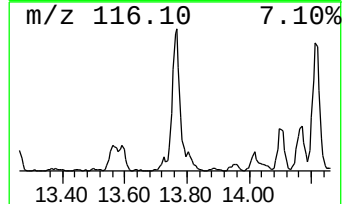
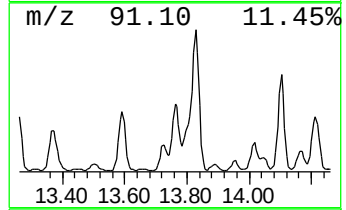
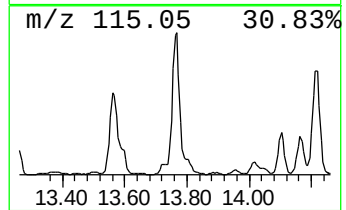
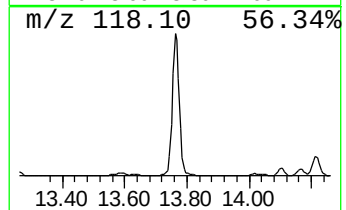
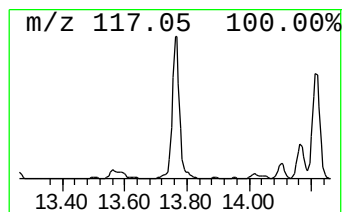
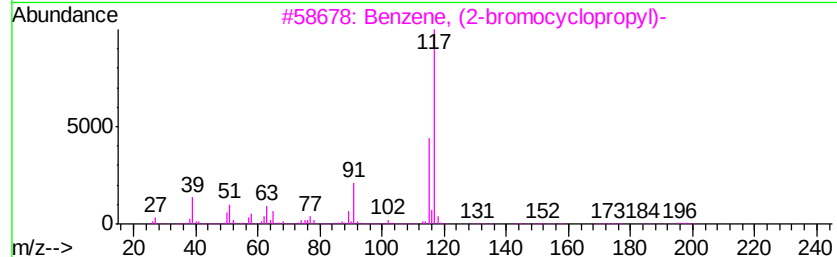
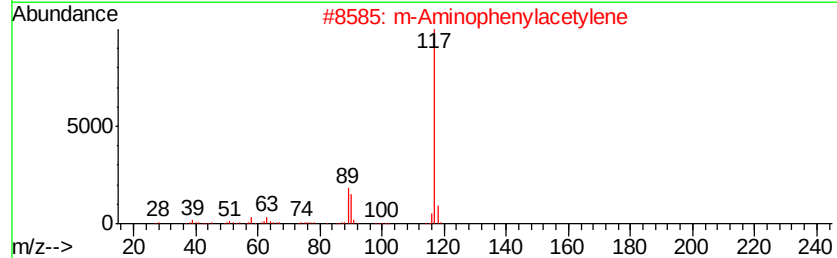
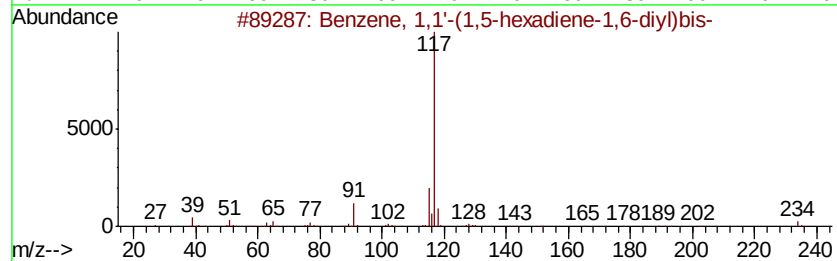
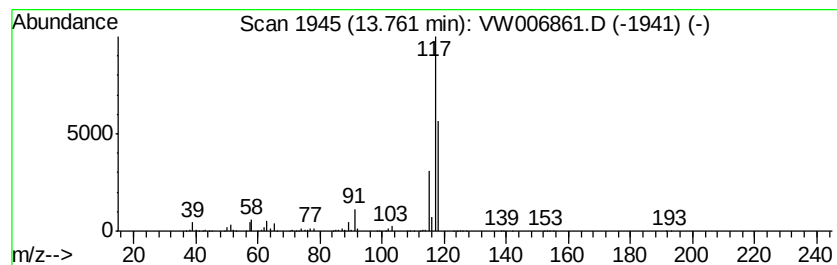
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzene, 1,1'-(1,5-hexadien... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.76 | 67.89 ug/l | 458982 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|---------|---|-------------------------------------|-----|----------|--------------|------|
| 1       |   | Benzene, 1,1'-(1,5-hexadiene-1,6... | 234 | C18H18   | 004439-45-6  | 53   |
| 2       |   | m-Aminophenylacetylene              | 117 | C8H7N    | 054060-30-9  | 43   |
| 3       |   | Benzene, (2-bromocyclopropyl)-      | 196 | C9H9Br   | 036617-02-4  | 40   |
| 4       |   | Benzaldehyde, 4-(1-phenyl-2-prop... | 238 | C16H14O2 | 1000277-56-1 | 36   |
| 5       |   | trans-Cinnamyl bromide              | 196 | C9H9Br   | 026146-77-0  | 35   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111318\  
Data File : VW006861.D  
Acq On : 13 Nov 2018 18:10  
Operator : SY/AP  
Sample : J5895-01  
Misc : 8.00G/5ML/MSVOA W/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampled :  
SB-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W111218S.M  
Quant Title : SW846 8260

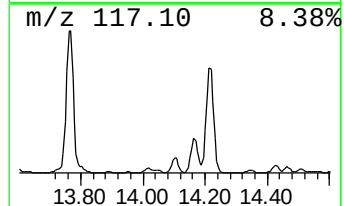
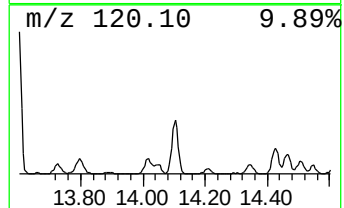
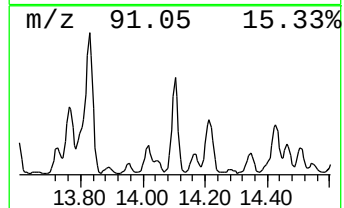
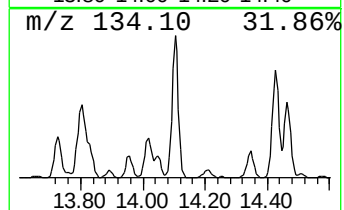
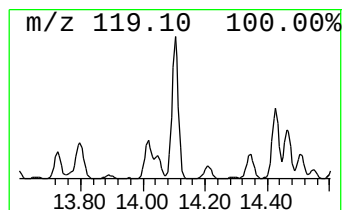
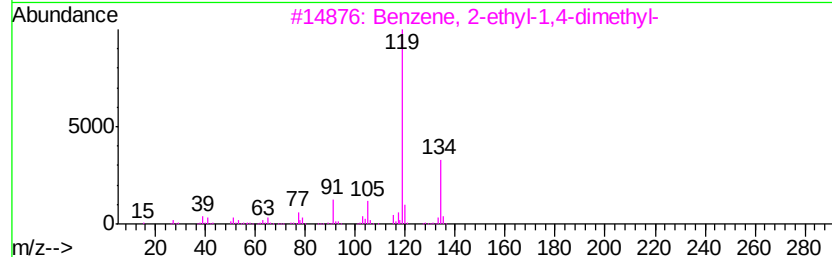
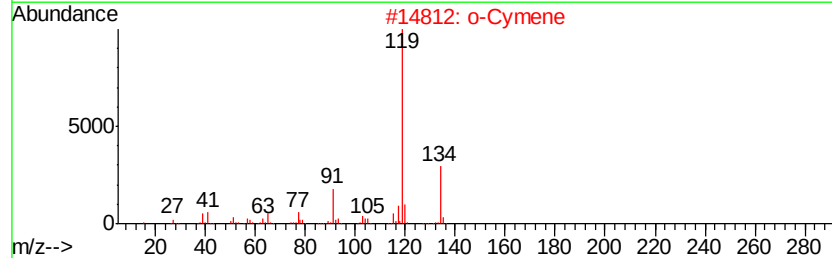
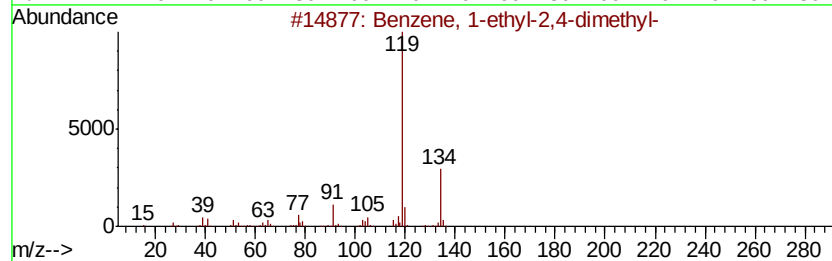
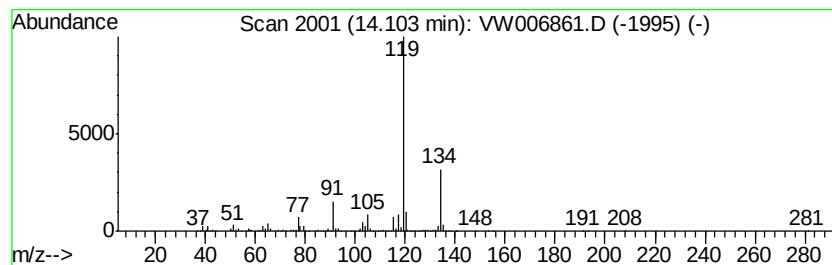
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.10 | 86.56 ug/l | 585195 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 97   |
| 2    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 97   |
| 3    |    | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 95   |
| 4    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 95   |
| 5    |    | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 95   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111318\  
Data File : VW006861.D  
Acq On : 13 Nov 2018 18:10  
Operator : SY/AP  
Sample : J5895-01  
Misc : 8.00G/5ML/MSVOA W/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampled :  
SB-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W111218S.M  
Quant Title : SW846 8260

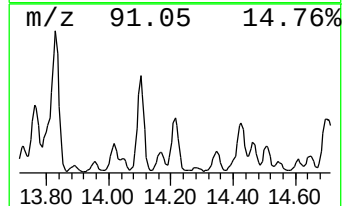
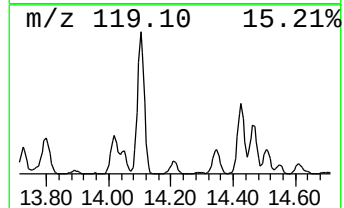
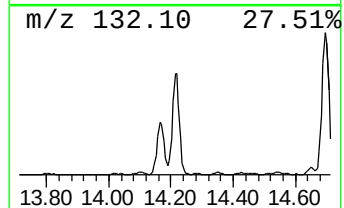
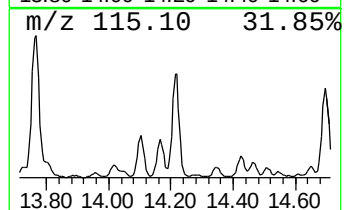
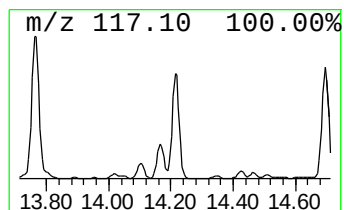
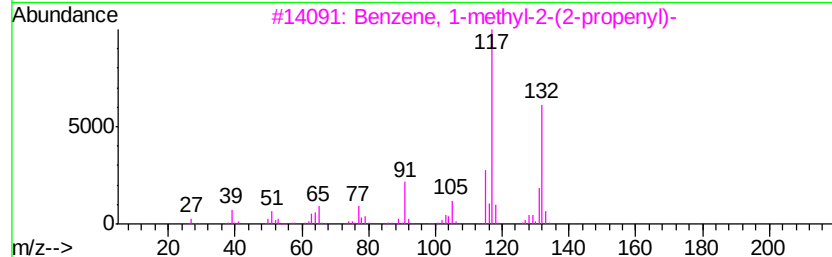
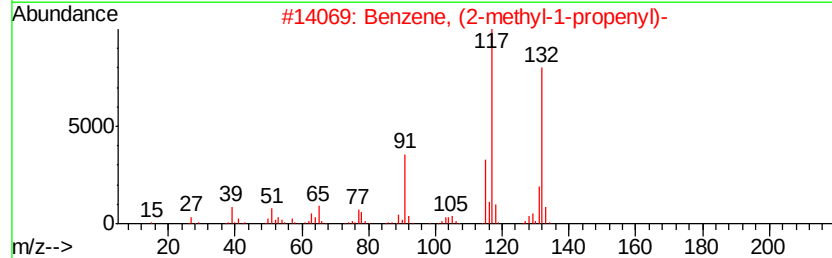
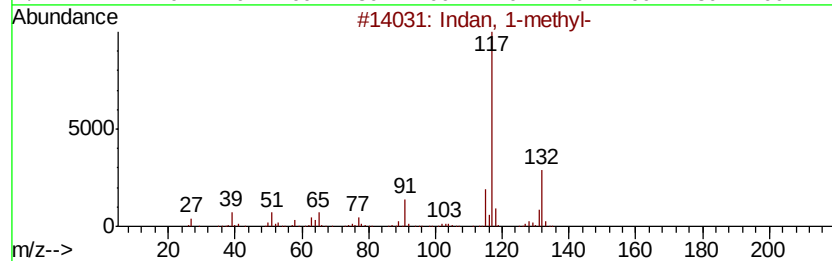
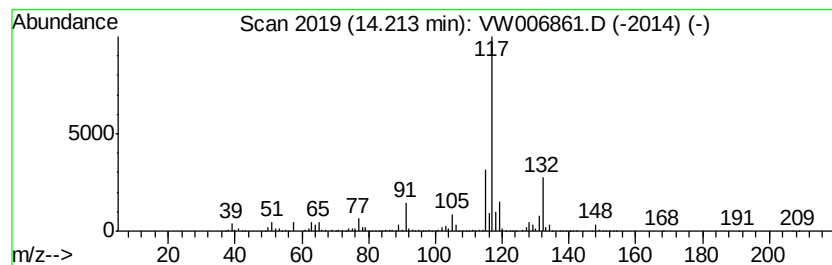
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Indan, 1-methyl- Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.21 | 67.40 ug/l | 455644 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|---------|---|-----------------------------------|-----|---------|-------------|------|
| 1       |   | Indan, 1-methyl-                  | 132 | C10H12  | 000767-58-8 | 93   |
| 2       |   | Benzene, (2-methyl-1-propenyl)-   | 132 | C10H12  | 000768-49-0 | 83   |
| 3       |   | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 83   |
| 4       |   | Benzene, 1-ethenyl-3-ethyl-       | 132 | C10H12  | 007525-62-4 | 80   |
| 5       |   | 1-Phenyl-1-butene                 | 132 | C10H12  | 000824-90-8 | 80   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111318\  
Data File : VW006861.D  
Acq On : 13 Nov 2018 18:10  
Operator : SY/AP  
Sample : J5895-01  
Misc : 8.00G/5ML/MSVOA W/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W111218S.M  
Quant Title : SW846 8260

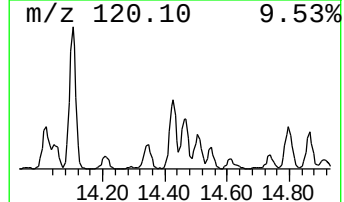
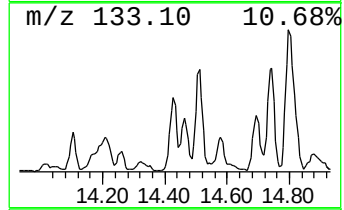
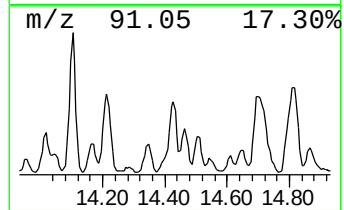
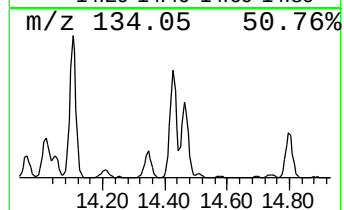
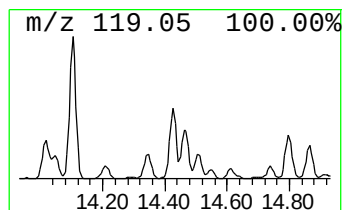
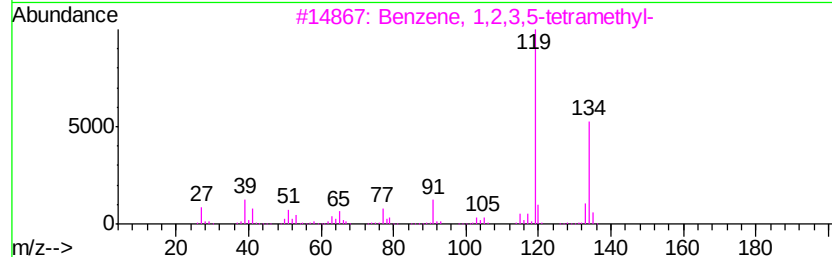
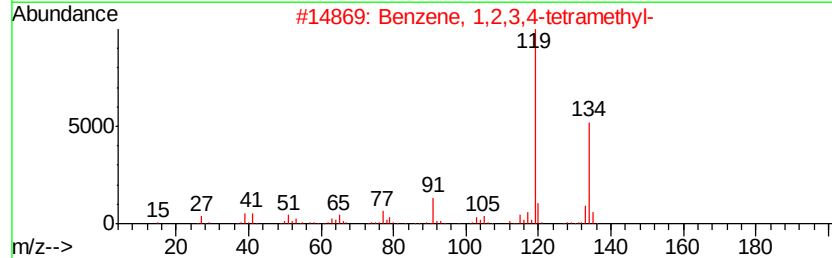
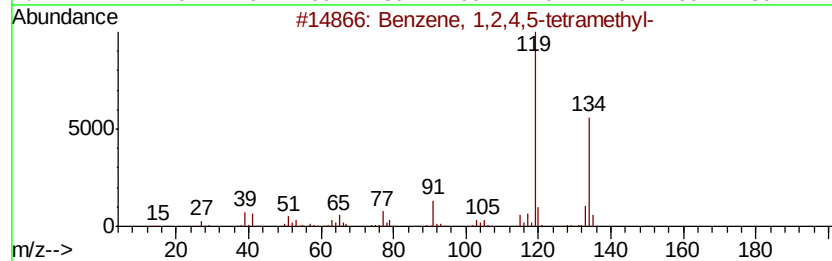
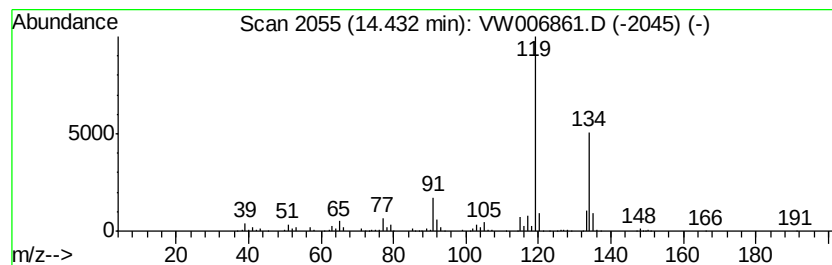
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.43 | 52.53 ug/l | 355141 | 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 | 95   |
| 2    |    | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 95   |
| 3    |    | Benzene, 1,2,3,5-tetramethyl-       | 134 | C10H14  | 000527-53-7 | 95   |
| 4    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 91   |
| 5    |    | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 91   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111318\  
Data File : VW006861.D  
Acq On : 13 Nov 2018 18:10  
Operator : SY/AP  
Sample : J5895-01  
Misc : 8.00G/5ML/MSVOA W/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampled :  
SB-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W111218S.M  
Quant Title : SW846 8260

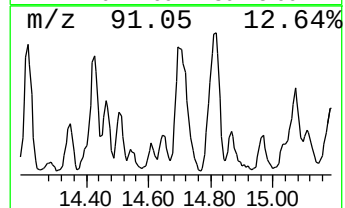
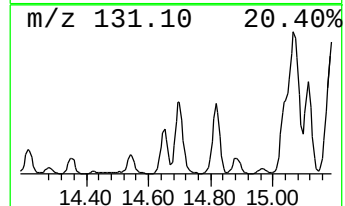
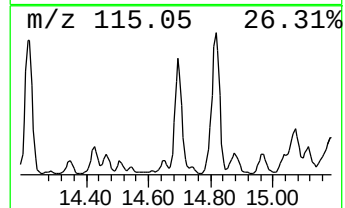
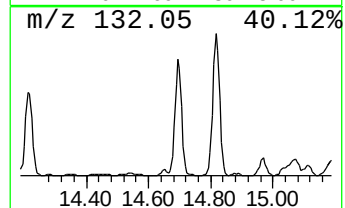
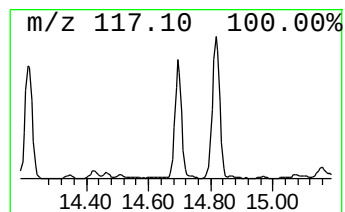
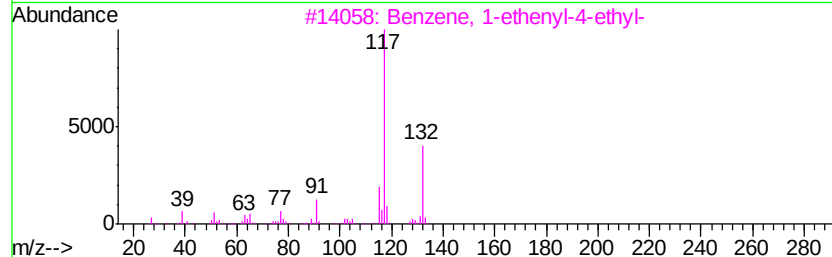
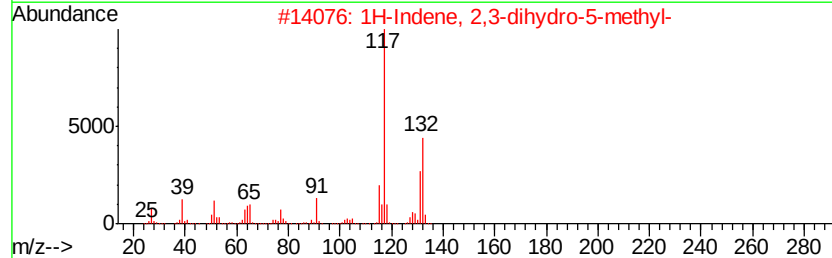
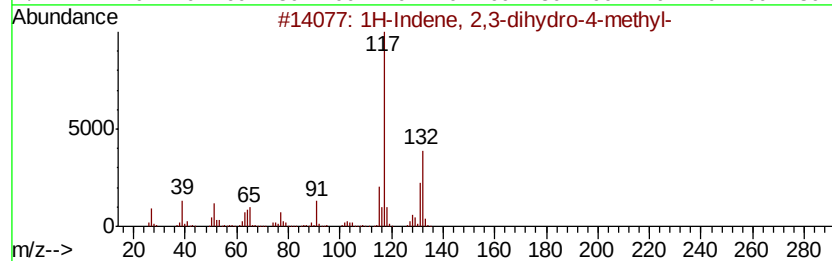
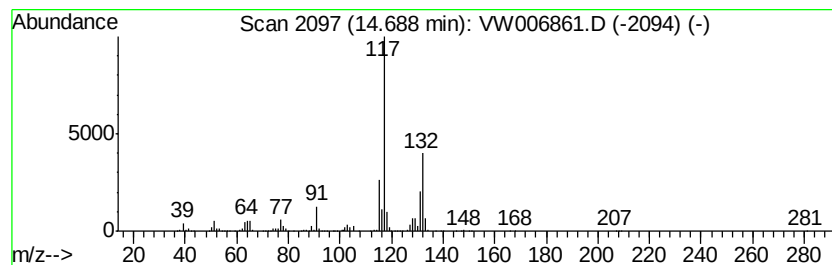
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.69 | 71.15 ug/l | 481026 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 95   |
| 2    |    | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 90   |
| 3    |    | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 90   |
| 4    |    | Benzene, 1-ethenyl-3-ethyl-      | 132 | C10H12  | 007525-62-4 | 90   |
| 5    |    | 3-Phenylbut-1-ene                | 132 | C10H12  | 000934-10-1 | 87   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111318\  
Data File : VW006861.D  
Acq On : 13 Nov 2018 18:10  
Operator : SY/AP  
Sample : J5895-01  
Misc : 8.00G/5ML/MSVOA W/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W111218S.M  
Quant Title : SW846 8260

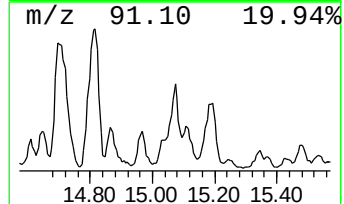
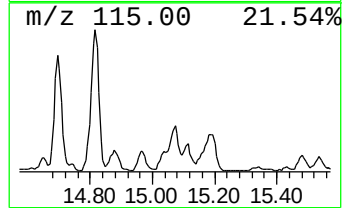
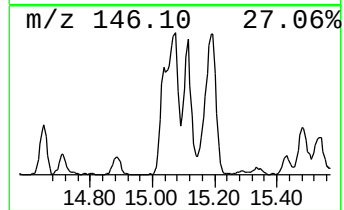
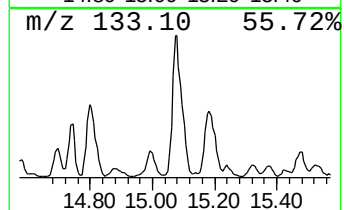
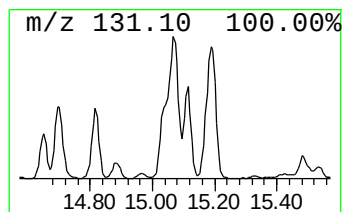
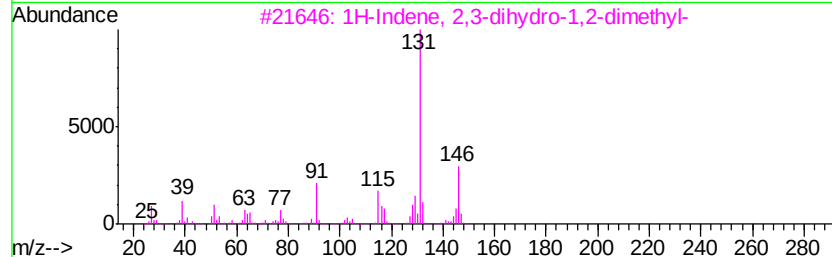
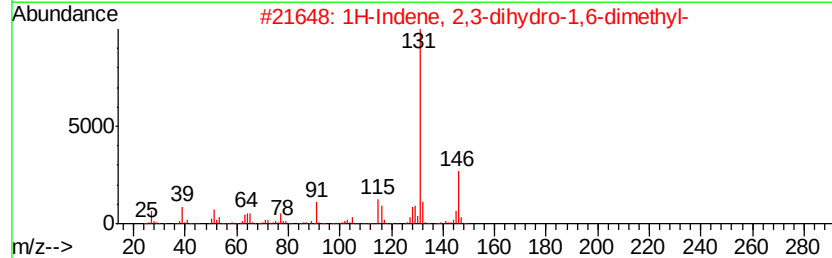
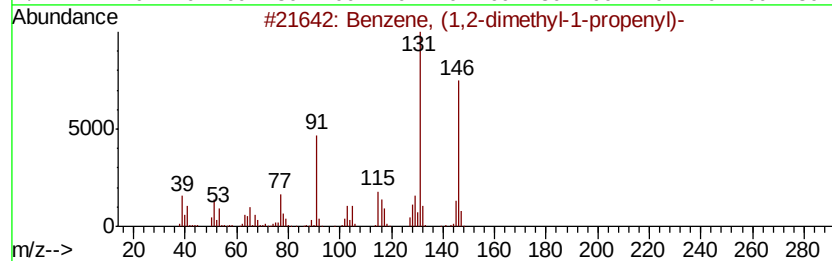
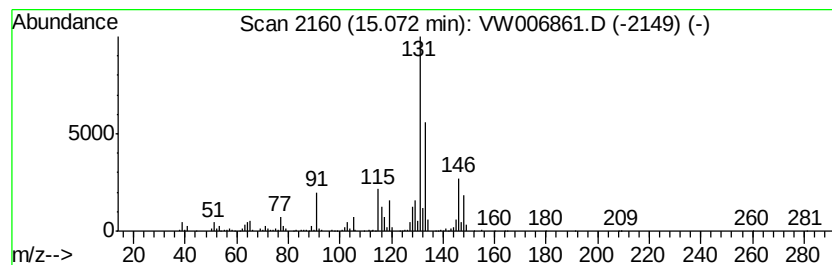
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Benzene, (1,2-dimethyl-1-propenyl)- Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.07 | 72.04 ug/l | 487056 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------------------|-----|---------|-------------|------|
| 1       |   | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14  | 000769-57-3 | 93   |
| 2       |   | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 91   |
| 3       |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 86   |
| 4       |   | Benzene, (2-methyl-1-butenyl)-      | 146 | C11H14  | 056253-64-6 | 86   |
| 5       |   | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 83   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111318\  
Data File : VW006861.D  
Acq On : 13 Nov 2018 18:10  
Operator : SY/AP  
Sample : J5895-01  
Misc : 8.00G/5ML/MSVOA W/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W111218S.M  
Quant Title : SW846 8260

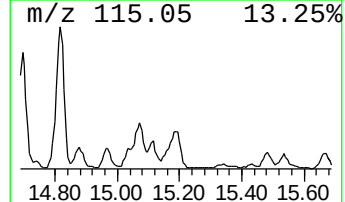
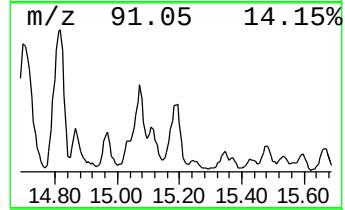
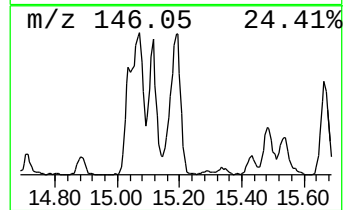
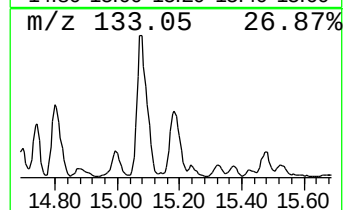
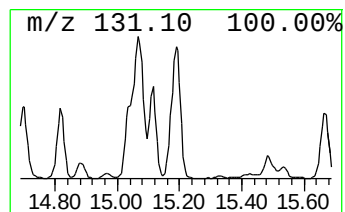
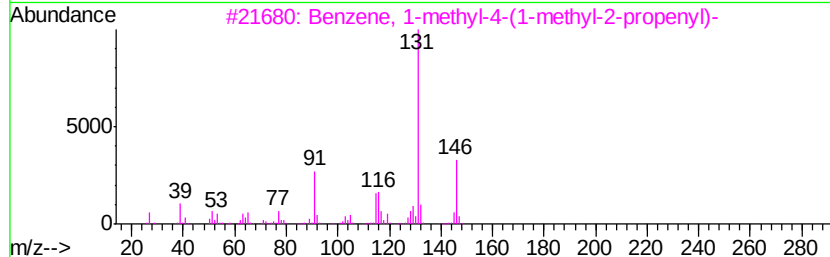
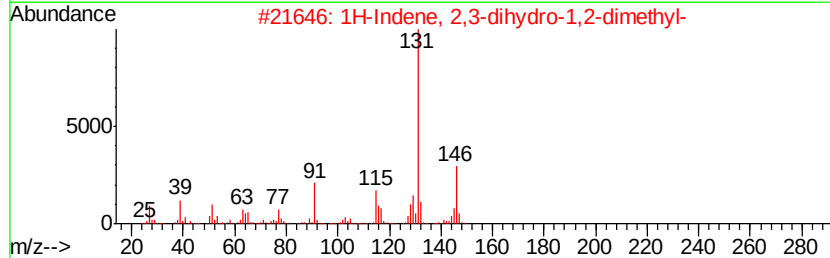
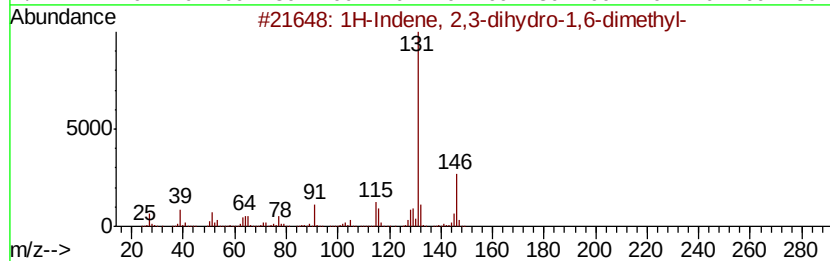
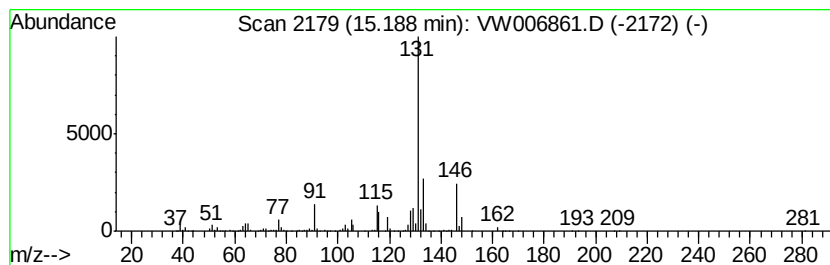
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.19 | 49.40 ug/l | 333946 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 93   |
| 2    |    | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 81   |
| 3    |    | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14  | 097664-18-1 | 81   |
| 4    |    | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 | C11H14  | 004912-92-9 | 81   |
| 5    |    | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 81   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW111318\  
Data File : VW006861.D  
Acq On : 13 Nov 2018 18:10  
Operator : SY/AP  
Sample : J5895-01  
Misc : 8.00G/5ML/MSVOA\_W/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W111218S.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 |
| Octane, 4-methyl-    | 11.41 | 62.8    | ug/l  | 460922   | 3                     | 11.63 | 366866 | 50.0 |
| Benzene, 1,1'-(1,... | 13.76 | 67.9    | ug/l  | 458982   | 4                     | 13.56 | 338026 | 50.0 |
| Benzene, 1-ethyl-... | 14.10 | 86.6    | ug/l  | 585195   | 4                     | 13.56 | 338026 | 50.0 |
| Indan, 1-methyl-     | 14.21 | 67.4    | ug/l  | 455644   | 4                     | 13.56 | 338026 | 50.0 |
| Benzene, 1,2,4,5-... | 14.43 | 52.5    | ug/l  | 355141   | 4                     | 13.56 | 338026 | 50.0 |
| 1H-Indene, 2,3-di... | 14.69 | 71.2    | ug/l  | 481026   | 4                     | 13.56 | 338026 | 50.0 |
| Benzene, (1,2-dim... | 15.07 | 72.0    | ug/l  | 487056   | 4                     | 13.56 | 338026 | 50.0 |
| 1H-Indene, 2,3-di... | 15.19 | 49.4    | ug/l  | 333946   | 4                     | 13.56 | 338026 | 50.0 |