

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021219\  
 Data File : VW008633.D  
 Acq On : 12 Feb 2019 19:52  
 Operator : SY/VA  
 Sample : K1343-19  
 Misc : 6.52G/5ML/MSVOA W/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JC-02-021119-J

## 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\82W012419S.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         | 4.117       | 353           | 363         | 373          | rBV      | 36839          | 100865        | 4.56%           | 0.356%        |
| 2         | 4.903       | 483           | 492         | 509          | rBV5     | 18415          | 79027         | 3.58%           | 0.279%        |
| 3         | 7.141       | 849           | 859         | 878          | rVB      | 68698          | 206756        | 9.35%           | 0.731%        |
| 4         | 7.878       | 968           | 980         | 985          | rBV      | 315502         | 739903        | 33.48%          | 2.615%        |
| 5         | 7.945       | 985           | 991         | 1001         | rVB      | 533815         | 1180620       | 53.42%          | 4.172%        |
| 6         | 8.305       | 1037          | 1050        | 1063         | rBV      | 307455         | 688801        | 31.17%          | 2.434%        |
| 7         | 8.835       | 1129          | 1137        | 1148         | rBV      | 787283         | 1602570       | 72.51%          | 5.663%        |
| 8         | 10.323      | 1373          | 1381        | 1387         | rBV      | 1250505        | 2210172       | 100.00%         | 7.810%        |
| 9         | 10.384      | 1387          | 1391        | 1398         | rVB      | 53343          | 92458         | 4.18%           | 0.327%        |
| 10        | 11.067      | 1493          | 1503        | 1505         | rBV      | 13929          | 34404         | 1.56%           | 0.122%        |
| 11        | 11.628      | 1589          | 1595        | 1605         | rVV      | 1115405        | 1917167       | 86.74%          | 6.775%        |
| 12        | 11.841      | 1624          | 1630        | 1639         | rBV2     | 46409          | 97519         | 4.41%           | 0.345%        |
| 13        | 12.164      | 1679          | 1683        | 1691         | rVB      | 28338          | 54517         | 2.47%           | 0.193%        |
| 14        | 12.621      | 1751          | 1758        | 1766         | rBV      | 914669         | 1518441       | 68.70%          | 5.366%        |
| 15        | 12.804      | 1782          | 1788        | 1793         | rBV2     | 16839          | 36993         | 1.67%           | 0.131%        |
| 16        | 12.865      | 1793          | 1798        | 1801         | rBV      | 43162          | 70303         | 3.18%           | 0.248%        |
| 17        | 12.932      | 1806          | 1809        | 1819         | rVB4     | 61249          | 125782        | 5.69%           | 0.444%        |
| 18        | 13.103      | 1830          | 1837        | 1845         | rBV3     | 51544          | 123357        | 5.58%           | 0.436%        |
| 19        | 13.249      | 1857          | 1861        | 1866         | rVB      | 103507         | 150467        | 6.81%           | 0.532%        |
| 20        | 13.444      | 1888          | 1893        | 1896         | rBV5     | 31047          | 54670         | 2.47%           | 0.193%        |
| 21        | 13.487      | 1898          | 1900        | 1906         | rVV5     | 26784          | 54876         | 2.48%           | 0.194%        |
| 22        | 13.560      | 1906          | 1912        | 1920         | rVB      | 1137741        | 1870660       | 84.64%          | 6.610%        |
| 23        | 13.755      | 1940          | 1944        | 1947         | rVV2     | 95724          | 152827        | 6.91%           | 0.540%        |
| 24        | 13.792      | 1947          | 1950        | 1959         | rVB4     | 78916          | 174884        | 7.91%           | 0.618%        |
| 25        | 13.877      | 1959          | 1964        | 1969         | rBV      | 170290         | 253529        | 11.47%          | 0.896%        |
| 26        | 13.950      | 1972          | 1976        | 1982         | rVV2     | 44610          | 81755         | 3.70%           | 0.289%        |
| 27        | 14.017      | 1983          | 1987        | 1989         | rVV2     | 54236          | 92972         | 4.21%           | 0.329%        |
| 28        | 14.042      | 1989          | 1991        | 1995         | rVV      | 72990          | 101512        | 4.59%           | 0.359%        |
| 29        | 14.097      | 1996          | 2000        | 2005         | rVB      | 94218          | 153304        | 6.94%           | 0.542%        |
| 30        | 14.206      | 2013          | 2018        | 2023         | rBV3     | 127771         | 204580        | 9.26%           | 0.723%        |
| 31        | 14.261      | 2024          | 2027        | 2030         | rBV5     | 21740          | 37250         | 1.69%           | 0.132%        |
| 32        | 14.347      | 2034          | 2041        | 2044         | rBV4     | 71461          | 152581        | 6.90%           | 0.539%        |
| 33        | 14.389      | 2044          | 2048        | 2051         | rBV5     | 69620          | 104509        | 4.73%           | 0.369%        |
| 34        | 14.426      | 2051          | 2054        | 2057         | rBV2     | 54135          | 72750         | 3.29%           | 0.257%        |

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 ClientSampleId :  
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 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\82W012419S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 14.462 | 2057 | 2060 | 2063 | rVB  | 120677 | 152445  | 6.90%  | 0.539% |
| 36 | 14.505 | 2063 | 2067 | 2070 | rBV  | 103991 | 128882  | 5.83%  | 0.455% |
| 37 | 14.548 | 2070 | 2074 | 2080 | rVB3 | 71469  | 107307  | 4.86%  | 0.379% |
| 38 | 14.609 | 2081 | 2084 | 2086 | rBV4 | 24872  | 33445   | 1.51%  | 0.118% |
| 39 | 14.645 | 2086 | 2090 | 2093 | rVB  | 78666  | 106208  | 4.81%  | 0.375% |
| 40 | 14.694 | 2093 | 2098 | 2100 | rBV  | 187918 | 295074  | 13.35% | 1.043% |
| 41 | 14.731 | 2100 | 2104 | 2109 | rVB3 | 498130 | 768654  | 34.78% | 2.716% |
| 42 | 14.810 | 2109 | 2117 | 2121 | rBV3 | 434959 | 1054843 | 47.73% | 3.728% |
| 43 | 14.962 | 2137 | 2142 | 2149 | rVB  | 324733 | 534587  | 24.19% | 1.889% |
| 44 | 15.036 | 2150 | 2154 | 2155 | rBV2 | 52350  | 73443   | 3.32%  | 0.260% |
| 45 | 15.066 | 2155 | 2159 | 2163 | rBV3 | 172754 | 282053  | 12.76% | 0.997% |
| 46 | 15.188 | 2171 | 2179 | 2186 | rBV4 | 208570 | 544729  | 24.65% | 1.925% |
| 47 | 15.255 | 2186 | 2190 | 2198 | rVB5 | 142133 | 289382  | 13.09% | 1.023% |
| 48 | 15.334 | 2198 | 2203 | 2207 | rBV2 | 247216 | 475294  | 21.50% | 1.680% |
| 49 | 15.426 | 2213 | 2218 | 2222 | rBV  | 233112 | 375402  | 16.99% | 1.327% |
| 50 | 15.481 | 2222 | 2227 | 2230 | rBV2 | 172173 | 311780  | 14.11% | 1.102% |
| 51 | 15.560 | 2236 | 2240 | 2249 | rVB  | 749421 | 1287167 | 58.24% | 4.549% |
| 52 | 15.663 | 2249 | 2257 | 2263 | rBV4 | 313346 | 773381  | 34.99% | 2.733% |
| 53 | 15.737 | 2266 | 2269 | 2275 | rVB5 | 119408 | 182205  | 8.24%  | 0.644% |
| 54 | 15.834 | 2279 | 2285 | 2286 | rVV2 | 160228 | 306280  | 13.86% | 1.082% |
| 55 | 15.871 | 2286 | 2291 | 2299 | rVB  | 605548 | 1167433 | 52.82% | 4.125% |
| 56 | 15.962 | 2302 | 2306 | 2309 | rBV4 | 54085  | 87735   | 3.97%  | 0.310% |
| 57 | 16.029 | 2311 | 2317 | 2324 | rBV6 | 157551 | 456535  | 20.66% | 1.613% |
| 58 | 16.182 | 2333 | 2342 | 2347 | rBV2 | 352144 | 945384  | 42.77% | 3.341% |
| 59 | 16.297 | 2357 | 2361 | 2366 | rVB2 | 118300 | 180488  | 8.17%  | 0.638% |
| 60 | 16.383 | 2369 | 2375 | 2381 | rVV2 | 363194 | 726645  | 32.88% | 2.568% |
| 61 | 16.450 | 2381 | 2386 | 2390 | rVV3 | 165007 | 324176  | 14.67% | 1.146% |
| 62 | 16.505 | 2390 | 2395 | 2401 | rVB  | 550429 | 960483  | 43.46% | 3.394% |
| 63 | 16.663 | 2412 | 2421 | 2434 | rVB  | 150171 | 774370  | 35.04% | 2.736% |

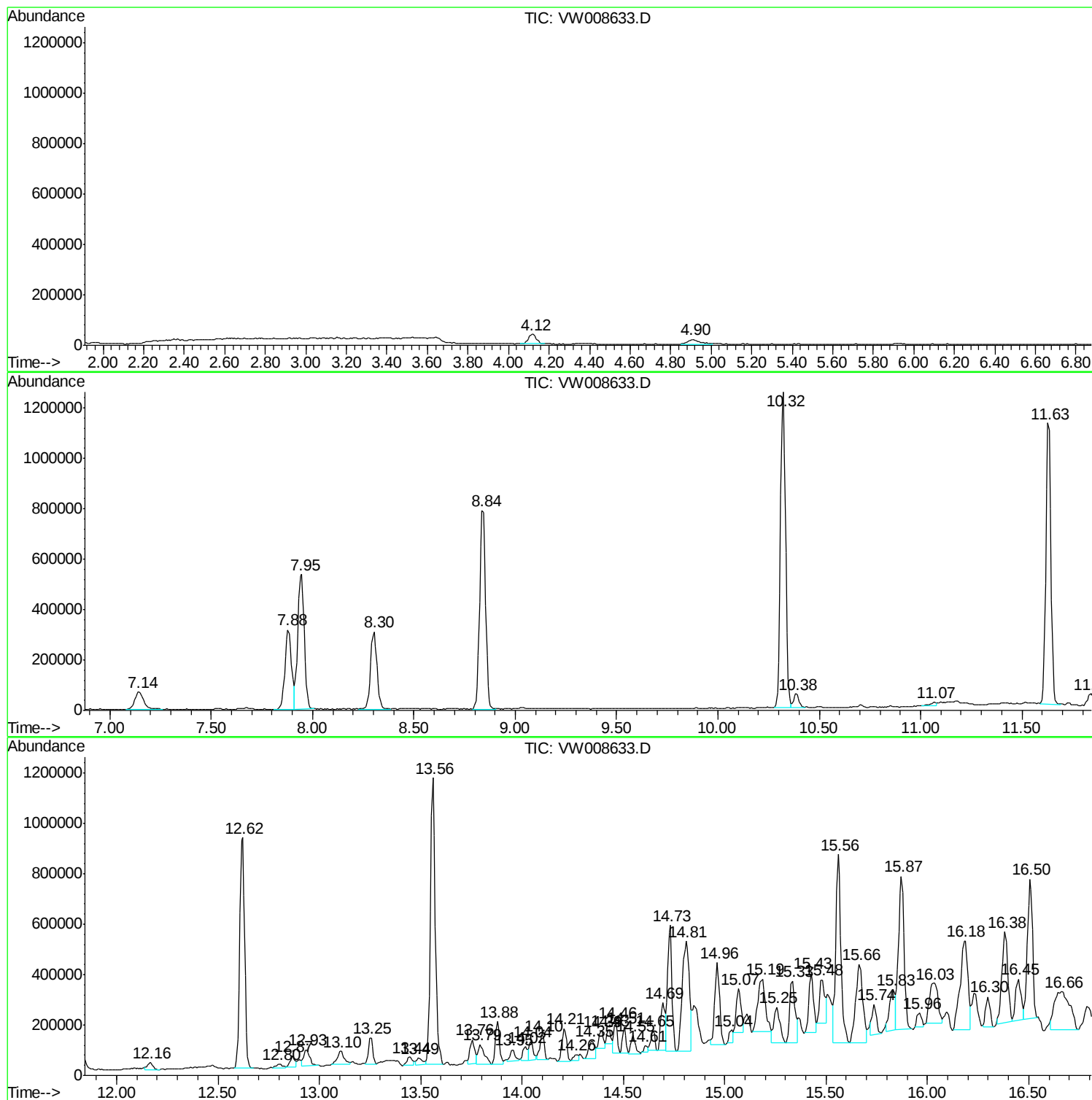
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ALS Vial : 21 Sample Multiplier: 1

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MSVOA\_W  
ClientSampleId :  
JC-02-021119-J

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.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\82W012419S.M  
 Quant Title : SW846 8260

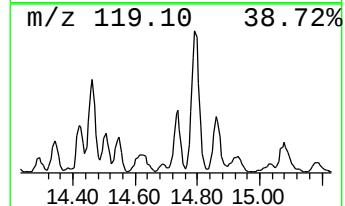
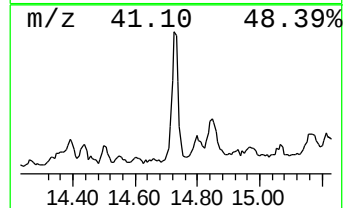
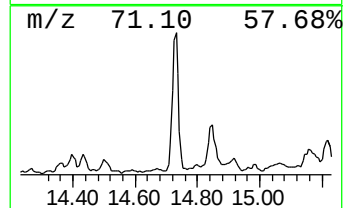
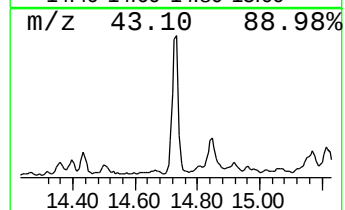
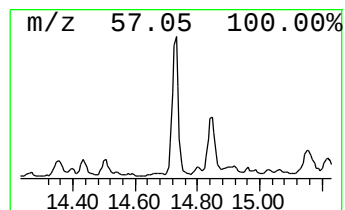
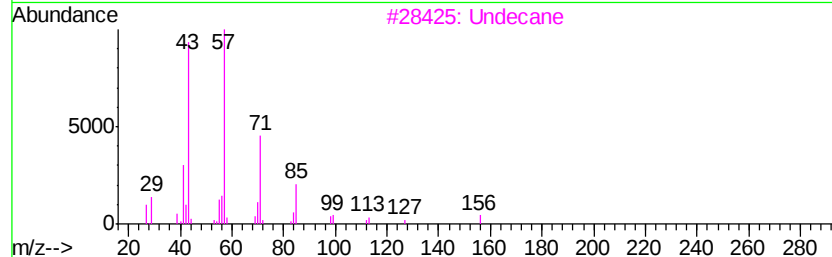
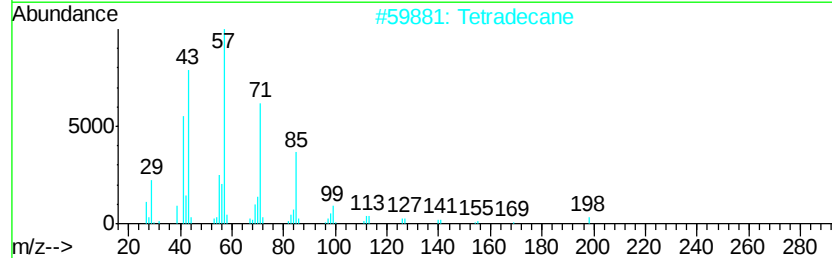
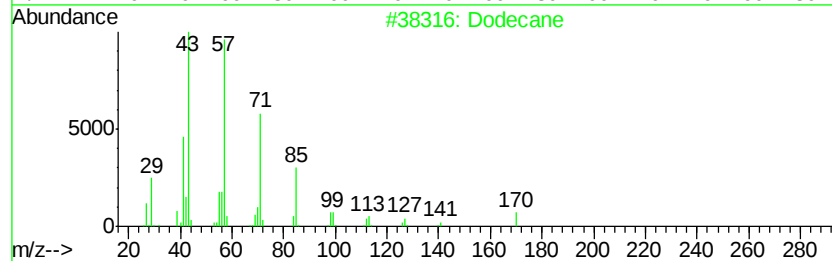
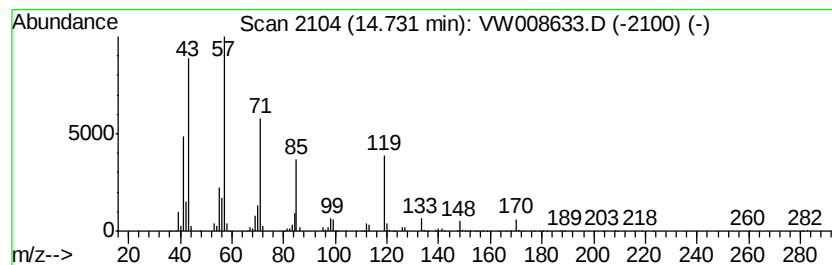
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 1 Dodecane Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.73 | 20.55 ug/l | 768654 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane     | 170 | C12H26  | 000112-40-3 | 83   |
| 2    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 49   |
| 3    |    | Undecane     | 156 | C11H24  | 001120-21-4 | 47   |
| 4    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 47   |
| 5    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 46   |



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Instrument :  
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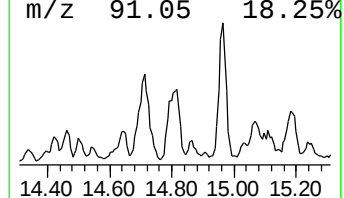
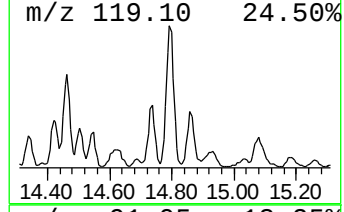
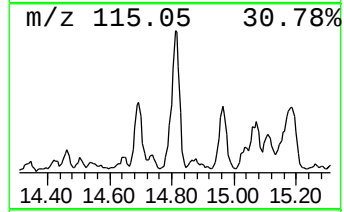
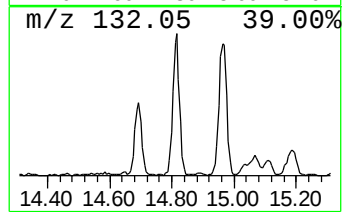
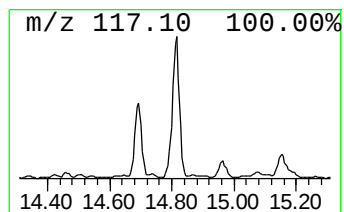
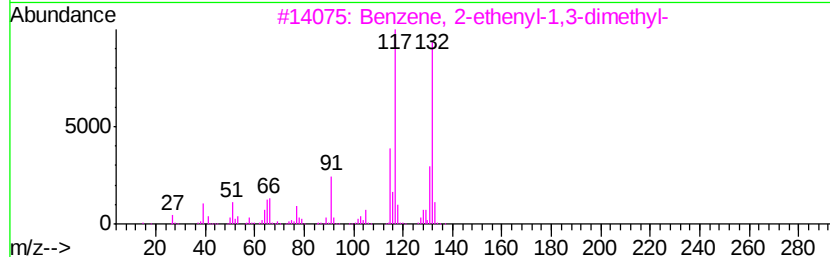
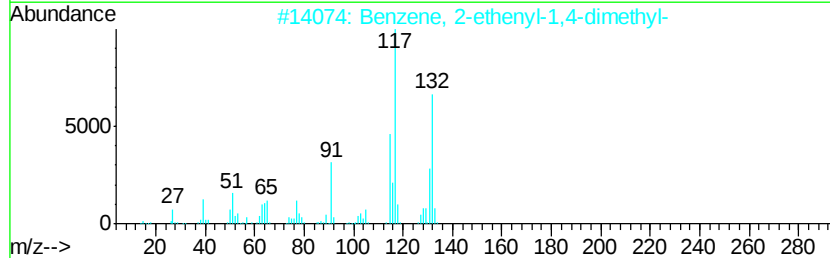
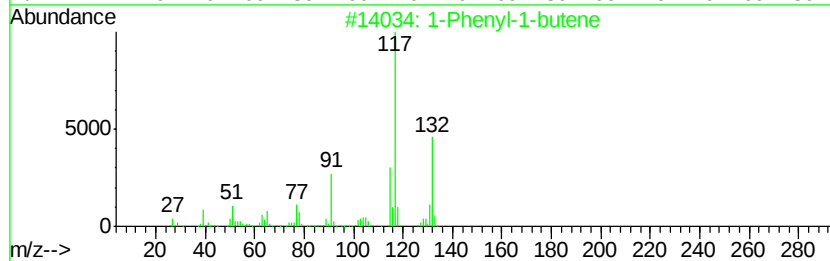
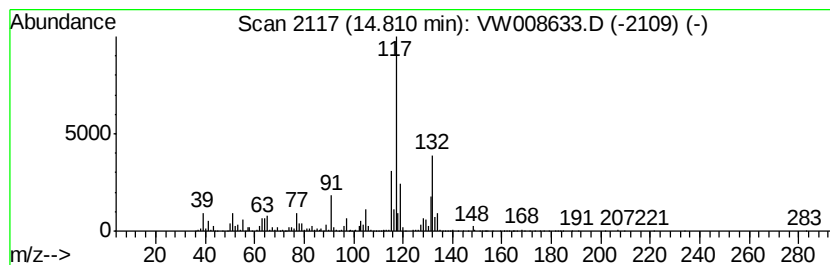
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 1-Phenyl-1-butene Concentration Rank 3

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 14.81 | 28.19 ug/l | 1054840 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1-Phenyl-1-butene                 | 132 | C10H12  | 000824-90-8 | 96   |
| 2    |    | Benzene, 2-ethenyl-1,4-dimethyl-  | 132 | C10H12  | 002039-89-6 | 96   |
| 3    |    | Benzene, 2-ethenyl-1,3-dimethyl-  | 132 | C10H12  | 002039-90-9 | 93   |
| 4    |    | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12  | 003333-13-9 | 92   |
| 5    |    | Benzene, 2-butenyl-               | 132 | C10H12  | 001560-06-1 | 91   |



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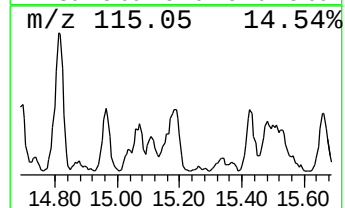
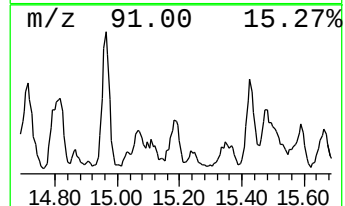
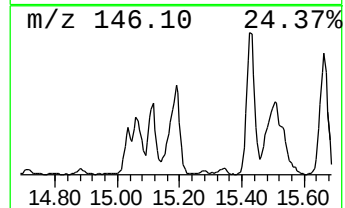
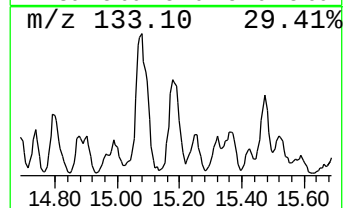
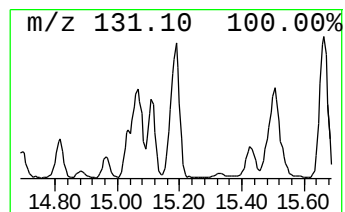
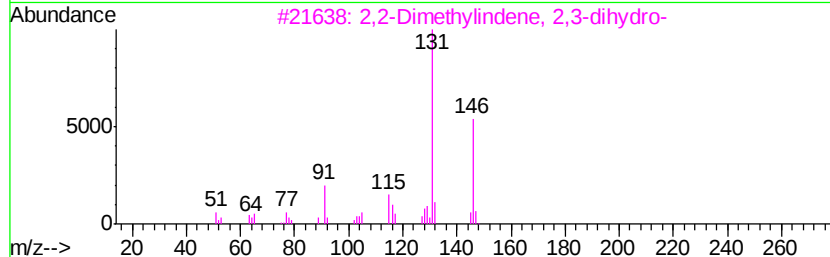
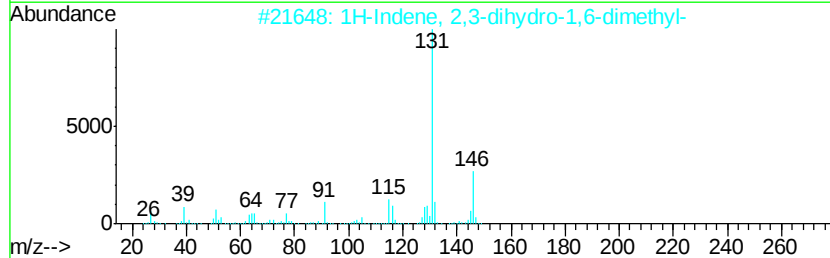
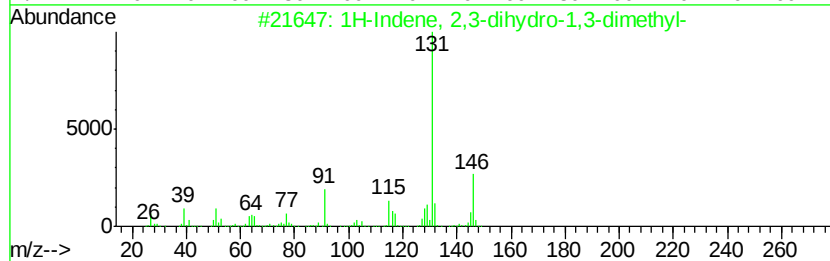
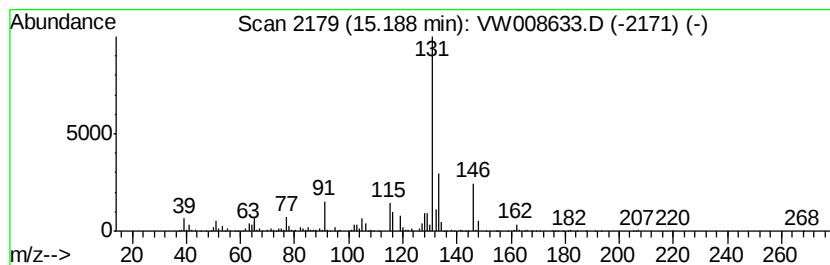
Instrument :  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 15.19   | 14.56 ug/l                          | 544729       | 1,4-Dichlorobenzene-d4 | 13.56     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 C11H14   | 004175-53-5            | 81        |
| 2       | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 C11H14   | 017059-48-2            | 81        |
| 3       | 2,2-Dimethylindene, 2,3-dihydro-    | 146 C11H14   | 020836-11-7            | 81        |
| 4       | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 C11H14   | 006682-71-9            | 74        |
| 5       | Benzene, 1-methyl-3-(1-methyl-2-... | 146 C11H14   | 052161-57-6            | 74        |



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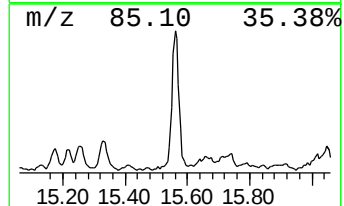
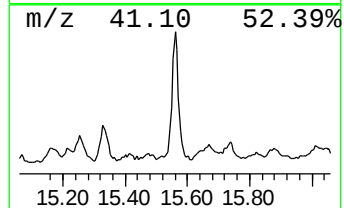
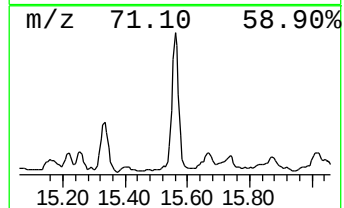
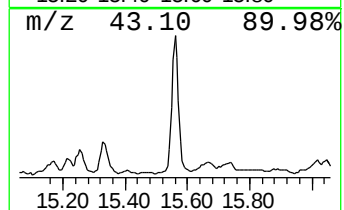
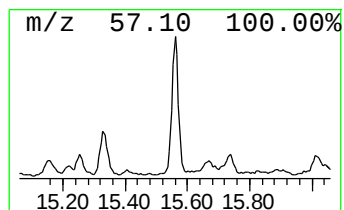
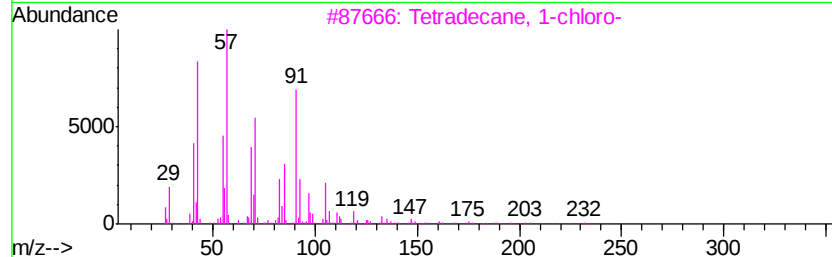
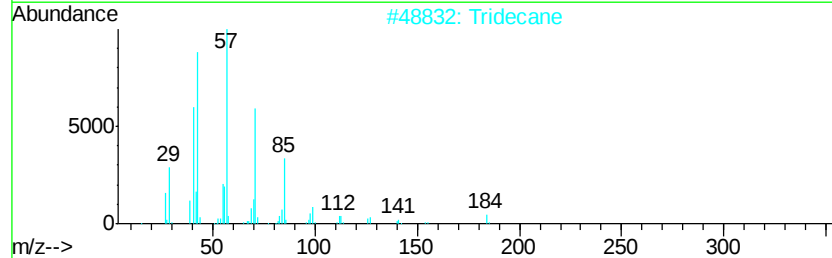
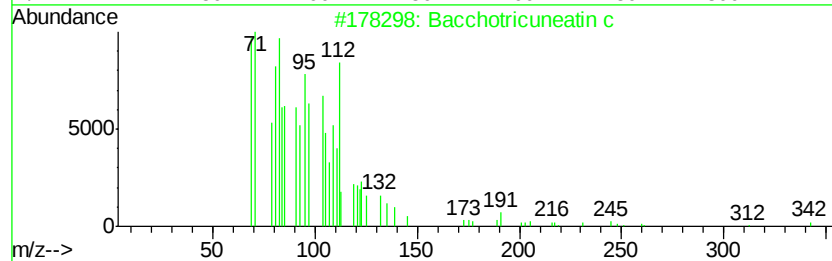
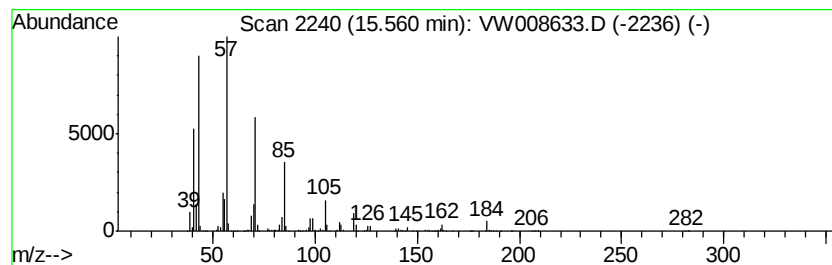
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Bacchotricuneatin c Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 15.56 | 34.40 ug/l | 1287170 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of | 5 | Tentative ID           | MW  | MolForm  | CAS#        | Qual |
|---------|---|------------------------|-----|----------|-------------|------|
| 1       |   | Bacchotricuneatin c    | 342 | C20H22O5 | 066563-30-2 | 98   |
| 2       |   | Tridecane              | 184 | C13H28   | 000629-50-5 | 97   |
| 3       |   | Tetradecane, 1-chloro- | 232 | C14H29Cl | 002425-54-9 | 78   |
| 4       |   | Tetradecane            | 198 | C14H30   | 000629-59-4 | 72   |
| 5       |   | Dodecane               | 170 | C12H26   | 000112-40-3 | 72   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021219\  
Data File : VW008633.D  
Acq On : 12 Feb 2019 19:52  
Operator : SY/VA  
Sample : K1343-19  
Misc : 6.52G/5ML/MSVOA W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

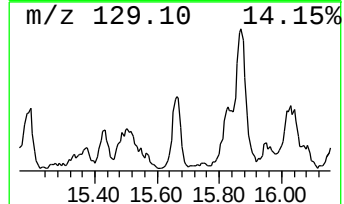
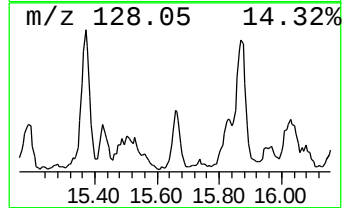
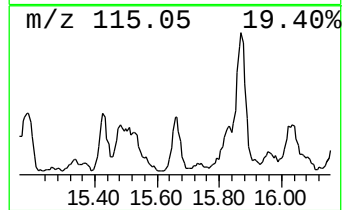
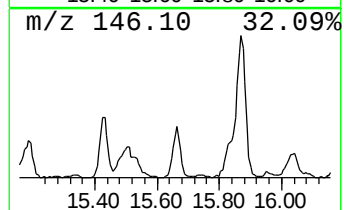
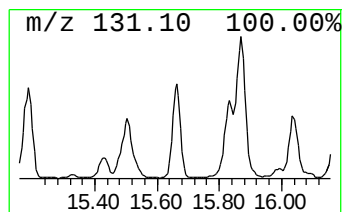
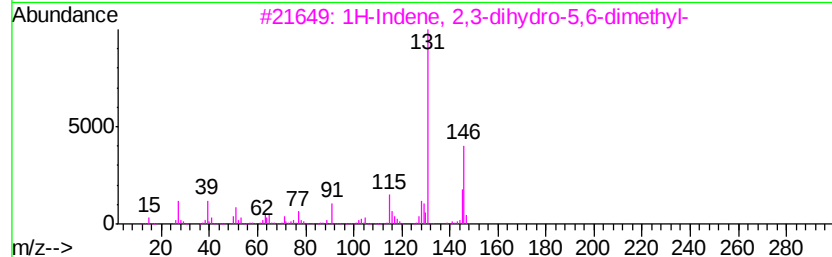
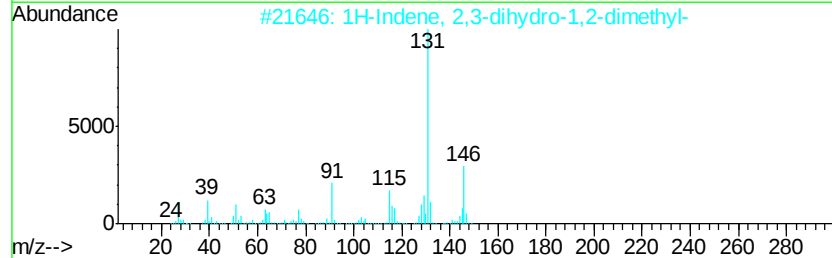
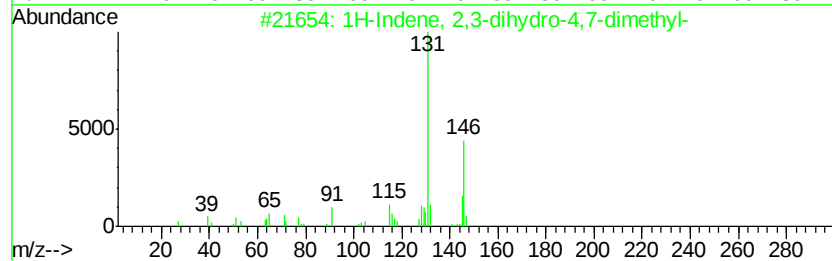
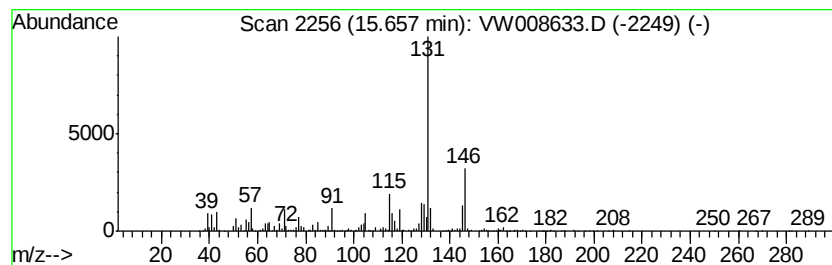
Instrument :  
MSVOA\_W  
ClientSampleId :  
JC-02-021119-J

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 7

| R.T.      | EstConc                             | Area   | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|--------|------------------------|-------------|------|
| 15.66     | 20.67 ug/l                          | 773381 | 1,4-Dichlorobenzene-d4 | 13.56       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm                | CAS#        | Qual |
| 1         | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146    | C11H14                 | 006682-71-9 | 94   |
| 2         | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146    | C11H14                 | 017057-82-8 | 93   |
| 3         | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146    | C11H14                 | 001075-22-5 | 93   |
| 4         | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146    | C11H14                 | 004175-53-5 | 91   |
| 5         | 1H-Indene, 2,3-dihydro-4,6-dimet... | 146    | C11H14                 | 001685-82-1 | 90   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021219\  
Data File : VW008633.D  
Acq On : 12 Feb 2019 19:52  
Operator : SY/VA  
Sample : K1343-19  
Misc : 6.52G/5ML/MSVOA W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
JC-02-021119-J

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

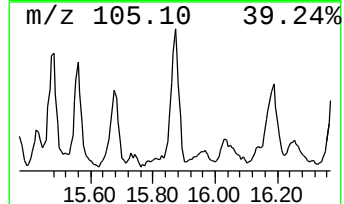
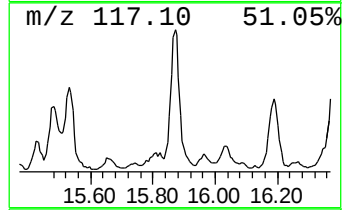
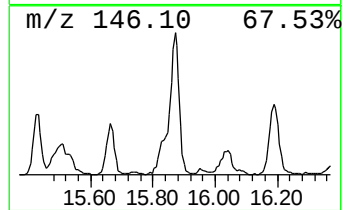
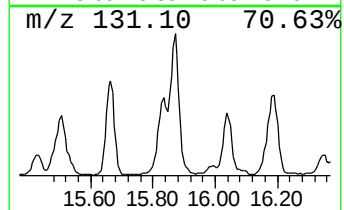
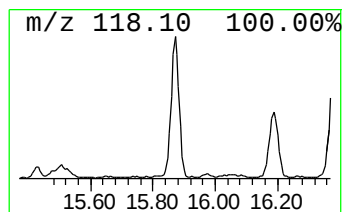
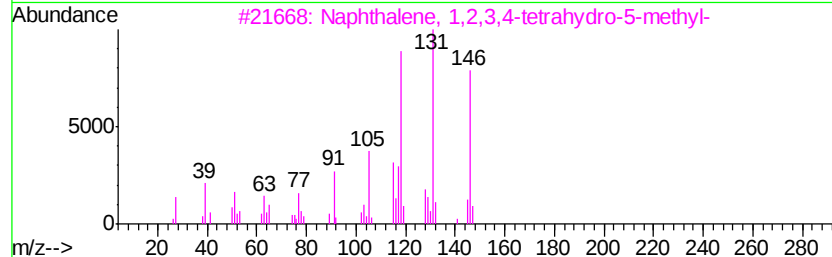
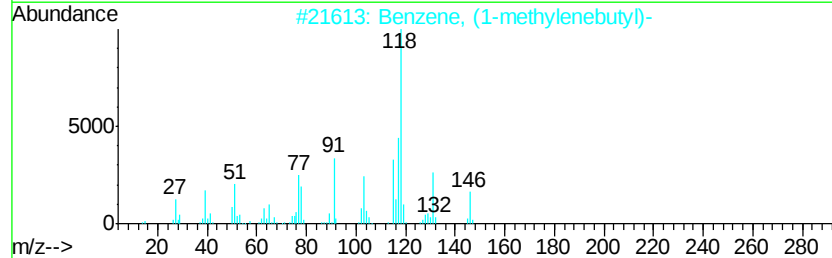
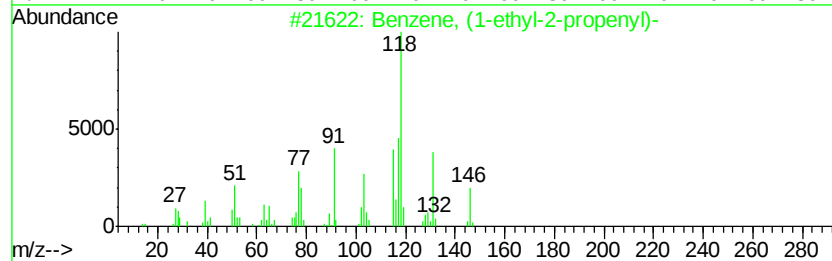
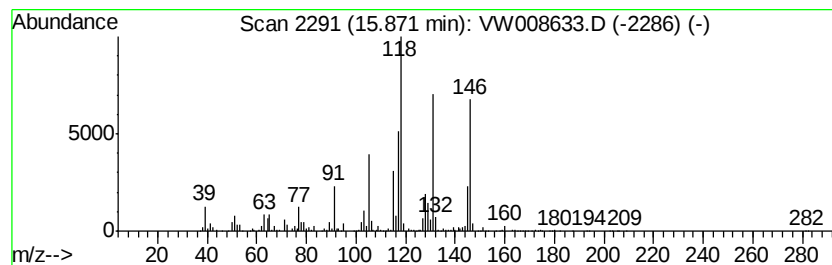
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Benzene, (1-ethyl-2-propenyl)- Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 15.87 | 31.20 ug/l | 1167430 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, (1-ethyl-2-propenyl)-      | 146 | C11H14  | 019947-22-9 | 87   |
| 2    |    | Benzene, (1-methylenebutyl)-        | 146 | C11H14  | 005676-32-4 | 86   |
| 3    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5 | 80   |
| 4    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001680-51-9 | 74   |
| 5    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 004175-54-6 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021219\  
Data File : VW008633.D  
Acq On : 12 Feb 2019 19:52  
Operator : SY/VA  
Sample : K1343-19  
Misc : 6.52G/5ML/MSVOA W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
JC-02-021119-J

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

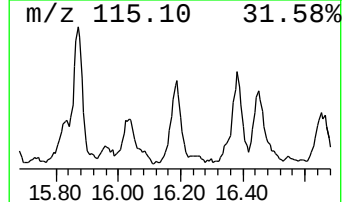
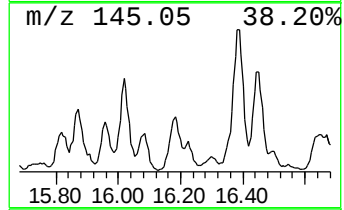
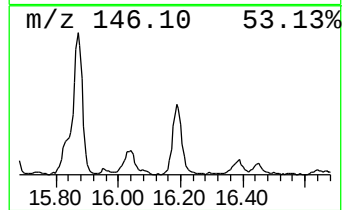
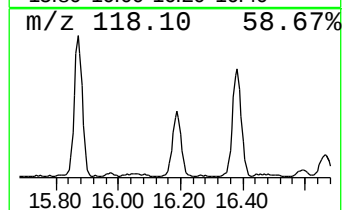
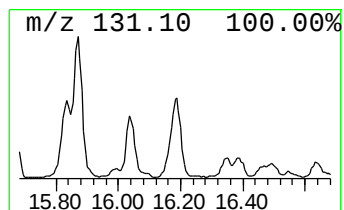
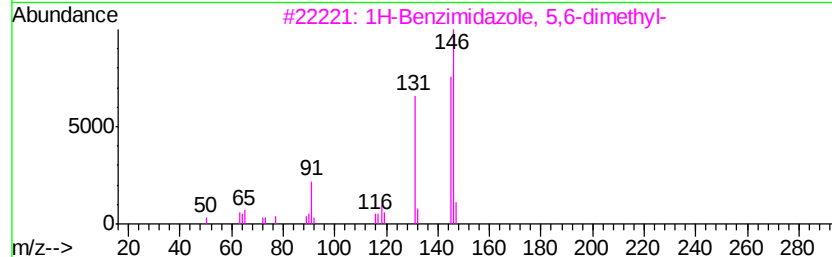
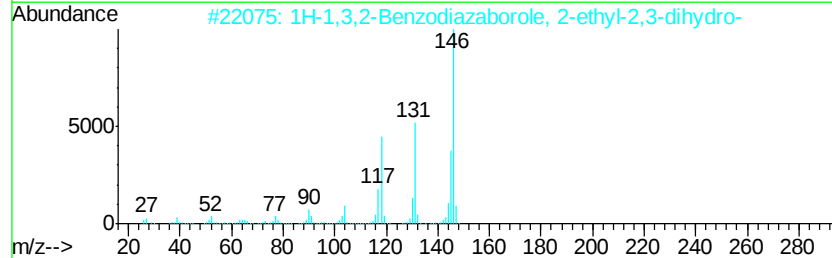
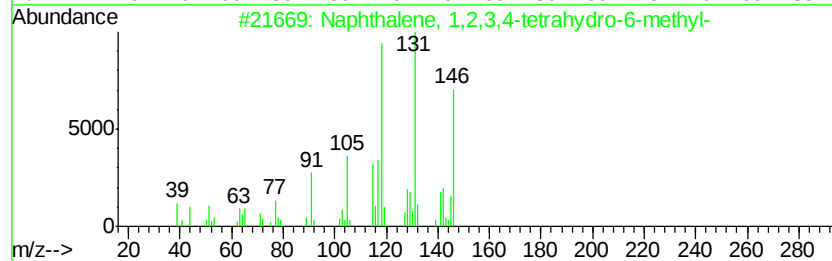
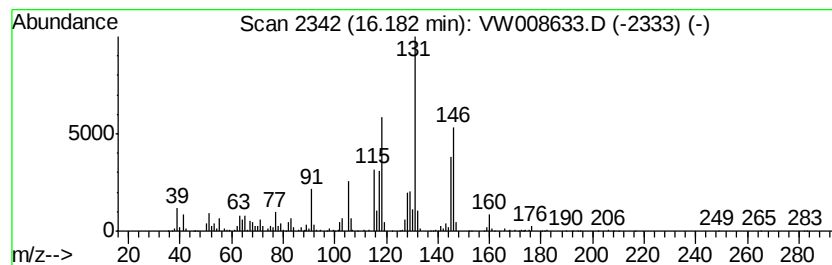
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Naphthalene, 1,2,3,4-tetra... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 16.18 | 25.27 ug/l | 945384 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 001680-51-9 | 86   |
| 2    |    | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 | C8H11BN2 | 074663-81-3 | 68   |
| 3    |    | 1H-Benzimidazole, 5,6-dimethyl-     | 146 | C9H10N2  | 000582-60-5 | 64   |
| 4    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 002809-64-5 | 64   |
| 5    |    | 2-Propenal, 3-(4-methylphenyl)-     | 146 | C10H10O  | 001504-75-2 | 62   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021219\  
Data File : VW008633.D  
Acq On : 12 Feb 2019 19:52  
Operator : SY/VA  
Sample : K1343-19  
Misc : 6.52G/5ML/MSVOA W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
JC-02-021119-J

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

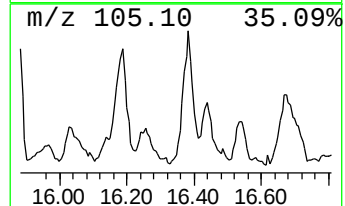
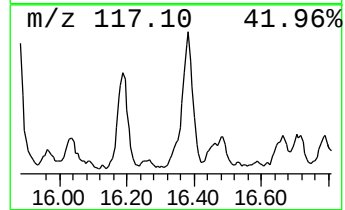
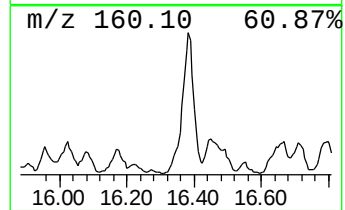
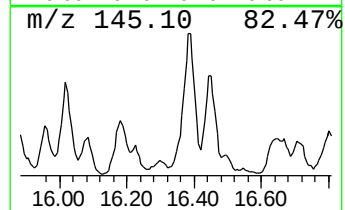
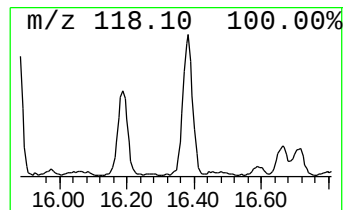
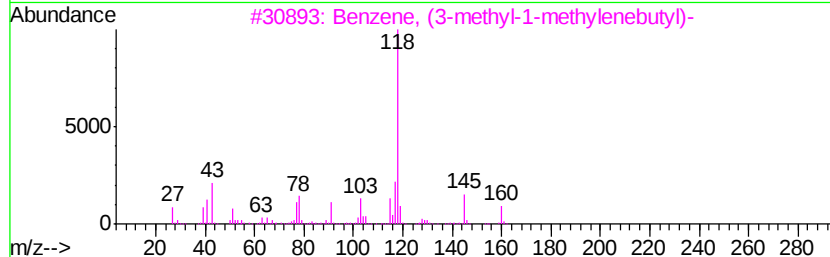
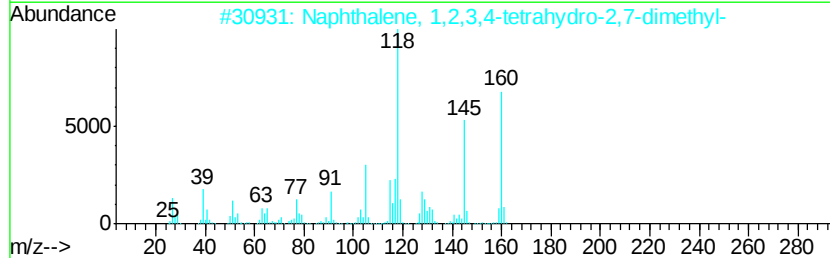
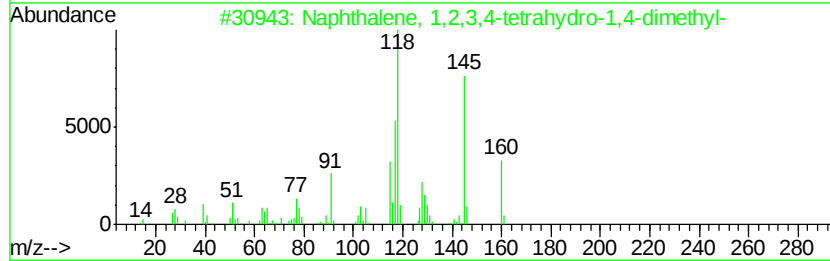
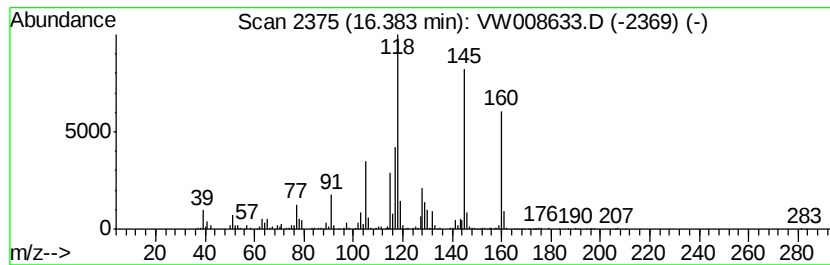
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 16.38 | 19.42 ug/l | 726645 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                                  | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro-...           | 160 | C12H16  | 004175-54-6 | 93   |
| 2    |    | Naphthalene, 1,2,3,4-tetrahydro-...           | 160 | C12H16  | 013065-07-1 | 70   |
| 3    |    | Benzene, (3-methyl-1-methylethyl)-            | 160 | C12H16  | 038212-14-5 | 68   |
| 4    |    | Benzene, 1-(1-methylethyl)-3-(1-methylethyl)- | 160 | C12H16  | 001129-29-9 | 64   |
| 5    |    | Naphthalene, 1,2,3,4-tetrahydro-...           | 160 | C12H16  | 021564-91-0 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021219\  
Data File : VW008633.D  
Acq On : 12 Feb 2019 19:52  
Operator : SY/VA  
Sample : K1343-19  
Misc : 6.52G/5ML/MSVOA W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
JC-02-021119-J

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

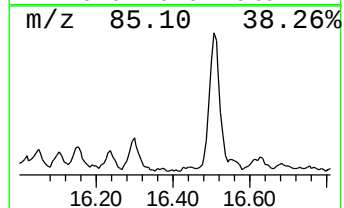
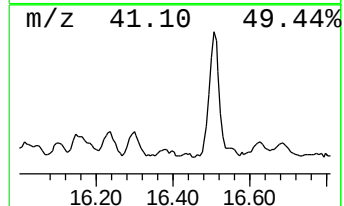
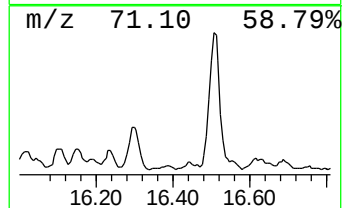
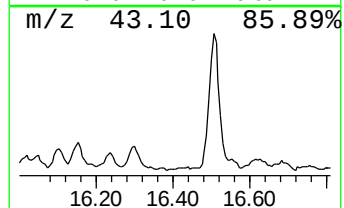
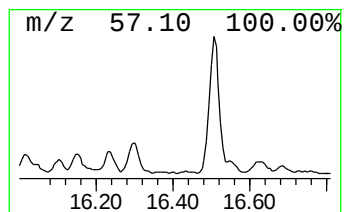
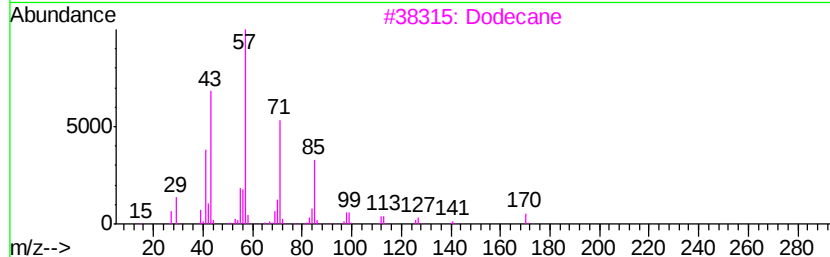
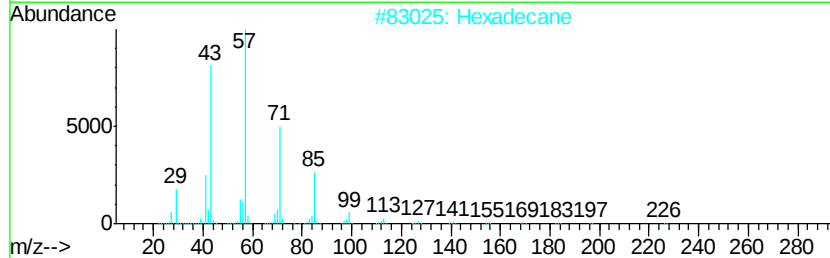
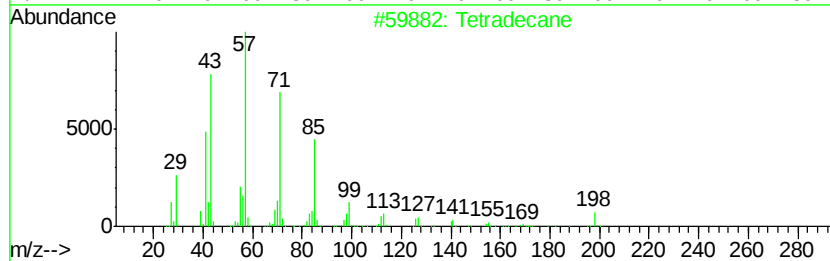
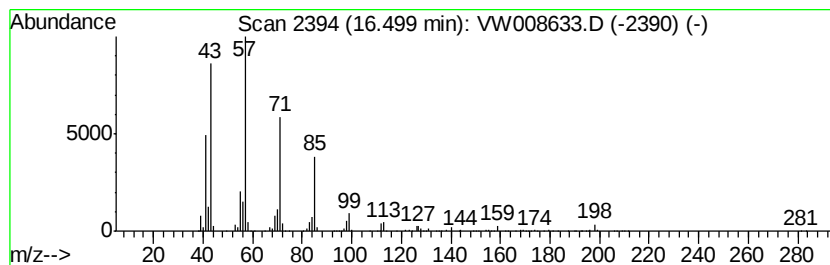
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Tetradecane Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 16.50 | 25.67 ug/l | 960483 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|---------|---|-------------------------------------|-----|-----------|--------------|------|
| 1       |   | Tetradecane                         | 198 | C14H30    | 000629-59-4  | 97   |
| 2       |   | Hexadecane                          | 226 | C16H34    | 000544-76-3  | 87   |
| 3       |   | Dodecane                            | 170 | C12H26    | 000112-40-3  | 86   |
| 4       |   | Tridecane                           | 184 | C13H28    | 000629-50-5  | 86   |
| 5       |   | Sulfurous acid, 2-ethylhexyl iso... | 278 | C14H30O3S | 1000309-19-0 | 72   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW021219\  
Data File : VW008633.D  
Acq On : 12 Feb 2019 19:52  
Operator : SY/VA  
Sample : K1343-19  
Misc : 6.52G/5ML/MSVOA\_W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
JC-02-021119-J

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.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 |
| Dodecane             | 14.73 | 20.6    | ug/l  | 768654   | 4                     | 13.56 | 1870660 | 50.0 |
| 1-Phenyl-1-butene    | 14.81 | 28.2    | ug/l  | 1054840  | 4                     | 13.56 | 1870660 | 50.0 |
| 1H-Indene, 2,3-di... | 15.19 | 14.6    | ug/l  | 544729   | 4                     | 13.56 | 1870660 | 50.0 |
| Bacchotricuneatin c  | 15.56 | 34.4    | ug/l  | 1287170  | 4                     | 13.56 | 1870660 | 50.0 |
| 1H-Indene, 2,3-di... | 15.66 | 20.7    | ug/l  | 773381   | 4                     | 13.56 | 1870660 | 50.0 |
| Benzene, (1-ethyl... | 15.87 | 31.2    | ug/l  | 1167430  | 4                     | 13.56 | 1870660 | 50.0 |
| Naphthalene, 1,2,... | 16.18 | 25.3    | ug/l  | 945384   | 4                     | 13.56 | 1870660 | 50.0 |
| Naphthalene, 1,2,... | 16.38 | 19.4    | ug/l  | 726645   | 4                     | 13.56 | 1870660 | 50.0 |
| Tetradecane          | 16.50 | 25.7    | ug/l  | 960483   | 4                     | 13.56 | 1870660 | 50.0 |