

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070121\  
 Data File : VY005315.D  
 Acq On : 01 Jul 2021 15:39  
 Operator : SY/MD  
 Sample : M2896-07  
 Misc : 10.87G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 FS-04

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
 Title : SW846 8260

Signal : TIC: VY005315.D\data.ms

| 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         | 1.869       | 3             | 8           | 10           | rBV2     | 29387          | 42772         | 2.38%           | 0.179%        |
| 2         | 2.223       | 61            | 66          | 70           | rBV      | 13744          | 24528         | 1.37%           | 0.103%        |
| 3         | 3.960       | 339           | 351         | 370          | rBV      | 90858          | 258830        | 14.43%          | 1.084%        |
| 4         | 4.210       | 380           | 392         | 414          | rBV2     | 41685          | 140311        | 7.82%           | 0.588%        |
| 5         | 4.728       | 468           | 477         | 495          | rVB3     | 12010          | 39264         | 2.19%           | 0.164%        |
| 6         | 7.002       | 838           | 850         | 865          | rBV      | 22410          | 61702         | 3.44%           | 0.258%        |
| 7         | 7.728       | 958           | 969         | 974          | rBV      | 152756         | 359499        | 20.04%          | 1.505%        |
| 8         | 7.795       | 974           | 980         | 990          | rVB      | 246497         | 568171        | 31.67%          | 2.379%        |
| 9         | 8.149       | 1027          | 1038        | 1049         | rBV      | 150596         | 336365        | 18.75%          | 1.409%        |
| 10        | 8.551       | 1095          | 1104        | 1112         | rBV4     | 10770          | 23185         | 1.29%           | 0.097%        |
| 11        | 8.697       | 1119          | 1128        | 1141         | rBV      | 389215         | 762194        | 42.49%          | 3.192%        |
| 12        | 9.807       | 1300          | 1310        | 1319         | rBV4     | 12026          | 29805         | 1.66%           | 0.125%        |
| 13        | 10.185      | 1363          | 1372        | 1379         | rBV      | 625922         | 1087142       | 60.61%          | 4.552%        |
| 14        | 10.374      | 1394          | 1403        | 1409         | rVB      | 36681          | 62544         | 3.49%           | 0.262%        |
| 15        | 11.294      | 1547          | 1554        | 1565         | rBV10    | 7848           | 28737         | 1.60%           | 0.120%        |
| 16        | 11.496      | 1578          | 1587        | 1596         | rVB      | 554261         | 904471        | 50.42%          | 3.787%        |
| 17        | 11.593      | 1597          | 1603        | 1608         | rBV3     | 21786          | 42734         | 2.38%           | 0.179%        |
| 18        | 11.709      | 1611          | 1622        | 1636         | rVB4     | 70087          | 166277        | 9.27%           | 0.696%        |
| 19        | 11.892      | 1647          | 1652        | 1657         | rBV3     | 24350          | 39350         | 2.19%           | 0.165%        |
| 20        | 12.032      | 1666          | 1675        | 1683         | rBV2     | 27184          | 60257         | 3.36%           | 0.252%        |
| 21        | 12.105      | 1683          | 1687        | 1694         | rVB5     | 15149          | 22930         | 1.28%           | 0.096%        |
| 22        | 12.239      | 1704          | 1709        | 1717         | rVV4     | 63838          | 111256        | 6.20%           | 0.466%        |
| 23        | 12.325      | 1717          | 1723        | 1728         | rVV4     | 29294          | 54039         | 3.01%           | 0.226%        |
| 24        | 12.380      | 1728          | 1732        | 1739         | rVB4     | 22330          | 43015         | 2.40%           | 0.180%        |
| 25        | 12.489      | 1739          | 1750        | 1759         | rBV2     | 977057         | 1793774       | 100.00%         | 7.511%        |
| 26        | 12.569      | 1759          | 1763        | 1767         | rBV3     | 12645          | 18736         | 1.04%           | 0.078%        |
| 27        | 12.672      | 1776          | 1780        | 1786         | rVB      | 34602          | 53667         | 2.99%           | 0.225%        |
| 28        | 12.739      | 1786          | 1791        | 1794         | rBV      | 43441          | 71183         | 3.97%           | 0.298%        |
| 29        | 12.806      | 1794          | 1802        | 1814         | rVB5     | 63468          | 211578        | 11.80%          | 0.886%        |
| 30        | 12.971      | 1821          | 1829        | 1836         | rVB      | 61939          | 123357        | 6.88%           | 0.517%        |
| 31        | 13.050      | 1836          | 1842        | 1843         | rBV4     | 13934          | 24249         | 1.35%           | 0.102%        |
| 32        | 13.075      | 1843          | 1846        | 1850         | rVV5     | 25987          | 42677         | 2.38%           | 0.179%        |
| 33        | 13.123      | 1850          | 1854        | 1860         | rVB      | 88722          | 142324        | 7.93%           | 0.596%        |
| 34        | 13.264      | 1868          | 1877        | 1881         | rBV5     | 31687          | 95118         | 5.30%           | 0.398%        |
| 35        | 13.318      | 1881          | 1886        | 1891         | rVV      | 65636          | 101561        | 5.66%           | 0.425%        |
| 36        | 13.373      | 1891          | 1895        | 1898         | rVV2     | 40499          | 78360         | 4.37%           | 0.328%        |

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 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 FS-04

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 37 | 13.428 | 1899 | 1904 | 1913 | rVB2 | 401457 | 683845  | 38.12% | 2.864% |
| 38 | 13.526 | 1917 | 1920 | 1924 | rBV2 | 16977  | 21496   | 1.20%  | 0.090% |
| 39 | 13.593 | 1926 | 1931 | 1933 | rBV2 | 83315  | 128742  | 7.18%  | 0.539% |
| 40 | 13.623 | 1933 | 1936 | 1940 | rVV2 | 140218 | 222350  | 12.40% | 0.931% |
| 41 | 13.672 | 1940 | 1944 | 1946 | rVV2 | 162033 | 265286  | 14.79% | 1.111% |
| 42 | 13.696 | 1946 | 1948 | 1955 | rVB2 | 144013 | 199887  | 11.14% | 0.837% |
| 43 | 13.757 | 1955 | 1958 | 1964 | rVB3 | 61429  | 84544   | 4.71%  | 0.354% |
| 44 | 13.824 | 1964 | 1969 | 1975 | rVB  | 142998 | 200912  | 11.20% | 0.841% |
| 45 | 13.885 | 1975 | 1979 | 1981 | rBV  | 77386  | 103379  | 5.76%  | 0.433% |
| 46 | 13.916 | 1981 | 1984 | 1988 | rVB  | 111415 | 153291  | 8.55%  | 0.642% |
| 47 | 13.971 | 1988 | 1993 | 1999 | rVB2 | 241691 | 357936  | 19.95% | 1.499% |
| 48 | 14.032 | 1999 | 2003 | 2005 | rBV  | 35904  | 45248   | 2.52%  | 0.189% |
| 49 | 14.080 | 2005 | 2011 | 2016 | rVB  | 320780 | 515317  | 28.73% | 2.158% |
| 50 | 14.129 | 2016 | 2019 | 2022 | rBV  | 32983  | 50112   | 2.79%  | 0.210% |
| 51 | 14.215 | 2027 | 2033 | 2037 | rVB3 | 66217  | 125455  | 6.99%  | 0.525% |
| 52 | 14.269 | 2037 | 2042 | 2044 | rBV2 | 64473  | 104178  | 5.81%  | 0.436% |
| 53 | 14.300 | 2044 | 2047 | 2050 | rVB  | 39669  | 42224   | 2.35%  | 0.177% |
| 54 | 14.337 | 2050 | 2053 | 2056 | rBV  | 105730 | 125438  | 6.99%  | 0.525% |
| 55 | 14.385 | 2056 | 2061 | 2065 | rBV2 | 205086 | 291606  | 16.26% | 1.221% |
| 56 | 14.422 | 2065 | 2067 | 2069 | rBV  | 16355  | 19151   | 1.07%  | 0.080% |
| 57 | 14.519 | 2074 | 2083 | 2087 | rVV4 | 87243  | 231198  | 12.89% | 0.968% |
| 58 | 14.586 | 2087 | 2094 | 2103 | rVB4 | 304518 | 920966  | 51.34% | 3.857% |
| 59 | 14.678 | 2103 | 2109 | 2116 | rBV3 | 271591 | 770848  | 42.97% | 3.228% |
| 60 | 14.745 | 2116 | 2120 | 2131 | rVV4 | 103757 | 227432  | 12.68% | 0.952% |
| 61 | 14.836 | 2131 | 2135 | 2139 | rVV  | 51376  | 69820   | 3.89%  | 0.292% |
| 62 | 14.946 | 2142 | 2153 | 2163 | rVV2 | 520036 | 1372901 | 76.54% | 5.749% |
| 63 | 15.062 | 2163 | 2172 | 2178 | rVB3 | 226456 | 532657  | 29.69% | 2.230% |
| 64 | 15.190 | 2184 | 2193 | 2200 | rBV  | 375478 | 1137196 | 63.40% | 4.762% |
| 65 | 15.318 | 2209 | 2214 | 2224 | rBV2 | 460866 | 971815  | 54.18% | 4.069% |
| 66 | 15.397 | 2224 | 2227 | 2232 | rVB  | 186338 | 279500  | 15.58% | 1.170% |
| 67 | 15.452 | 2232 | 2236 | 2242 | rVB4 | 90771  | 185511  | 10.34% | 0.777% |
| 68 | 15.531 | 2242 | 2249 | 2256 | rBV2 | 145367 | 352777  | 19.67% | 1.477% |
| 69 | 15.611 | 2256 | 2262 | 2267 | rBV3 | 61672  | 130971  | 7.30%  | 0.548% |
| 70 | 15.672 | 2267 | 2272 | 2276 | rBV2 | 70768  | 166746  | 9.30%  | 0.698% |
| 71 | 15.720 | 2277 | 2280 | 2284 | rVV3 | 49908  | 70567   | 3.93%  | 0.295% |
| 72 | 15.763 | 2284 | 2287 | 2291 | rVB2 | 89162  | 139824  | 7.79%  | 0.586% |
| 73 | 15.861 | 2291 | 2303 | 2314 | rVB4 | 242879 | 1034182 | 57.65% | 4.331% |
| 74 | 15.964 | 2314 | 2320 | 2322 | rBV  | 74299  | 130147  | 7.26%  | 0.545% |
| 75 | 16.001 | 2322 | 2326 | 2329 | rBV  | 46447  | 69587   | 3.88%  | 0.291% |
| 76 | 16.074 | 2335 | 2338 | 2343 | rVB  | 76065  | 124394  | 6.93%  | 0.521% |

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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-04

Integration Parameters: RTEINT.P  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 77 | 16.135 | 2343 | 2348 | 2354 | rVV  | 239951 | 533304 | 29.73% | 2.233% |
| 78 | 16.202 | 2354 | 2359 | 2366 | rVV  | 283300 | 726637 | 40.51% | 3.043% |
| 79 | 16.281 | 2366 | 2372 | 2379 | rVB3 | 270935 | 710317 | 39.60% | 2.974% |
| 80 | 16.434 | 2389 | 2397 | 2401 | rBV2 | 195440 | 447951 | 24.97% | 1.876% |
| 81 | 16.489 | 2401 | 2406 | 2416 | rVB4 | 214005 | 540525 | 30.13% | 2.263% |
| 82 | 16.696 | 2434 | 2440 | 2446 | rVB2 | 86250  | 193541 | 10.79% | 0.810% |
| 83 | 16.763 | 2447 | 2451 | 2454 | rBV5 | 22425  | 43197  | 2.41%  | 0.181% |

Sum of corrected areas: 23880870



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-04

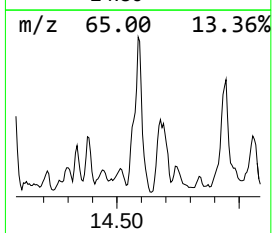
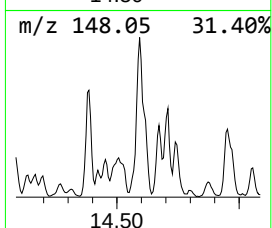
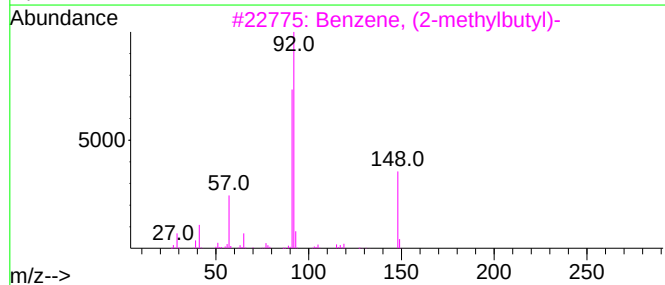
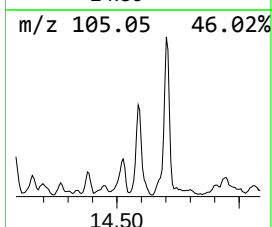
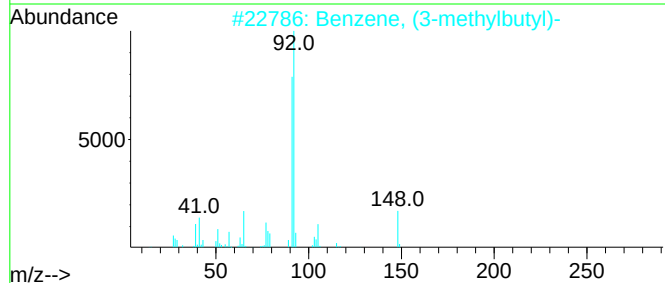
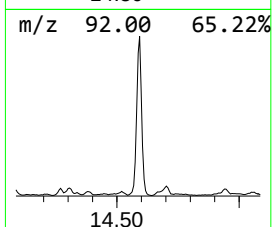
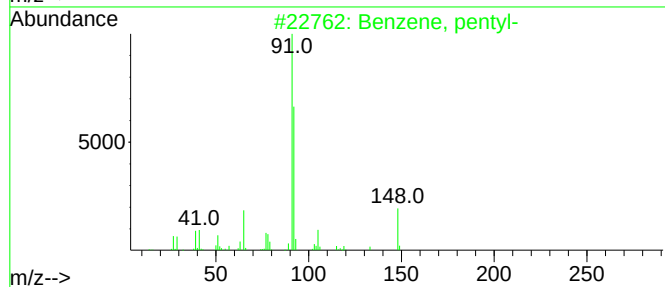
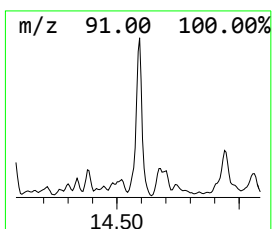
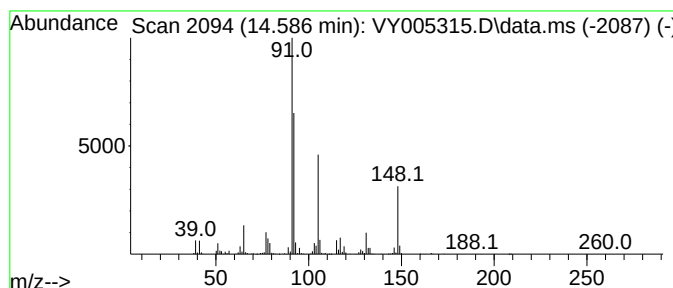
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Benzene, pentyl- Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.586 | 67.34 ug/l | 920966 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, pentyl-          | 148 | C11H16  | 000538-68-1 | 87   |
| 2    |    |   | Benzene, (3-methylbutyl)- | 148 | C11H16  | 002049-94-7 | 64   |
| 3    |    |   | Benzene, (2-methylbutyl)- | 148 | C11H16  | 003968-85-2 | 52   |
| 4    |    |   | Benzene, hexyl-           | 162 | C12H18  | 001077-16-3 | 47   |
| 5    |    |   | Phenylethyl Alcohol       | 122 | C8H10O  | 000060-12-8 | 38   |



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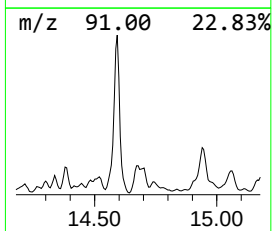
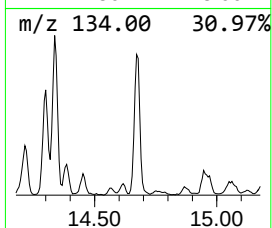
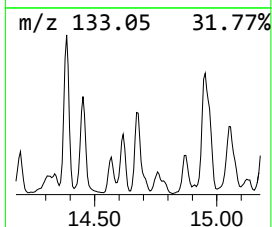
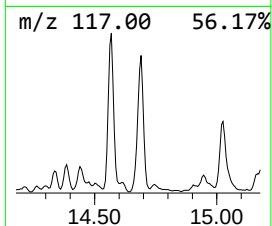
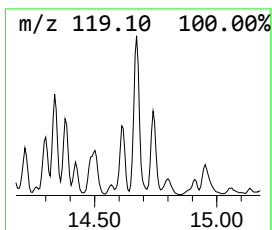
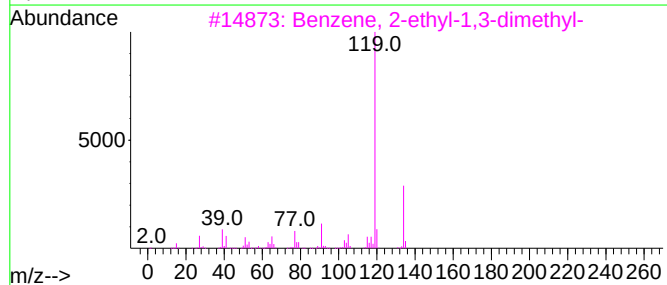
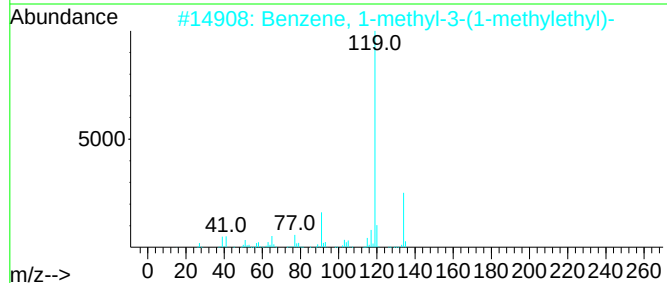
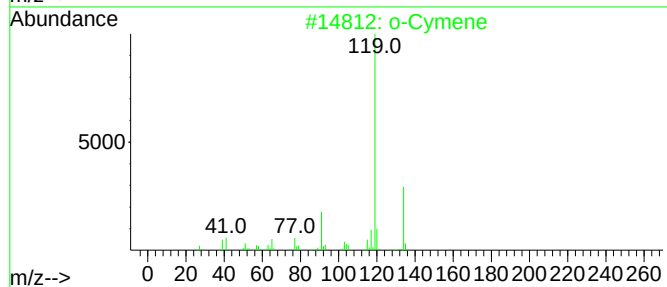
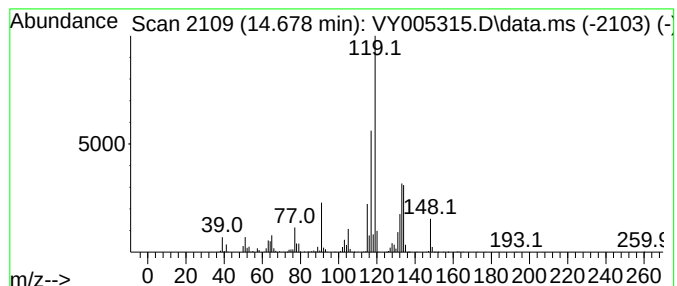
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

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

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Peak Number 2 o-Cymene Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.678 | 56.36 ug/l | 770848 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|---------|-------------|------|
| 1    |    |   | o-Cymene                             | 134 | C10H14  | 000527-84-4 | 55   |
| 2    |    |   | Benzene, 1-methyl-3-(1-methylethyl)- | 134 | C10H14  | 000535-77-3 | 55   |
| 3    |    |   | Benzene, 2-ethyl-1,3-dimethyl-       | 134 | C10H14  | 002870-04-4 | 50   |
| 4    |    |   | Benzene, 1-ethyl-2,4-dimethyl-       | 134 | C10H14  | 000874-41-9 | 50   |
| 5    |    |   | Benzene, 1-ethyl-2,3-dimethyl-       | 134 | C10H14  | 000933-98-2 | 50   |



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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-04

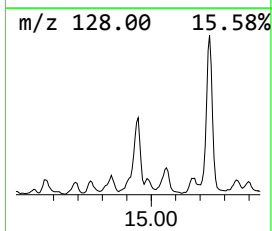
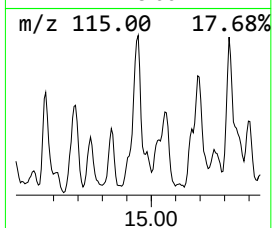
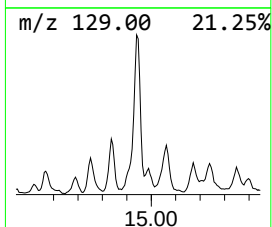
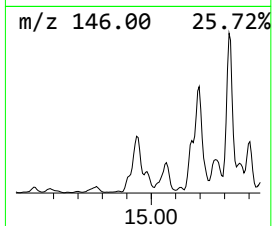
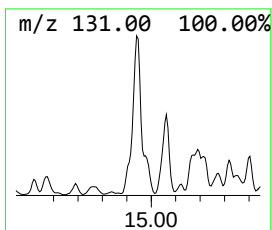
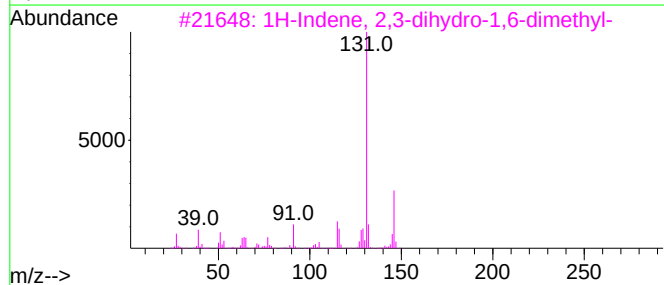
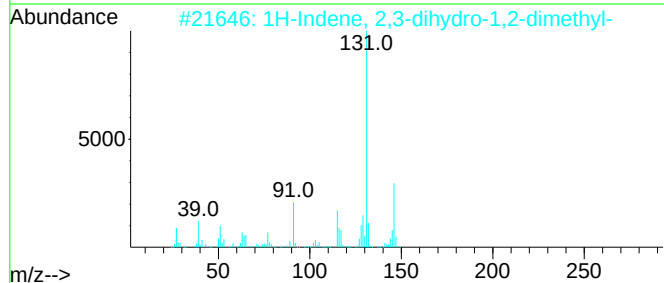
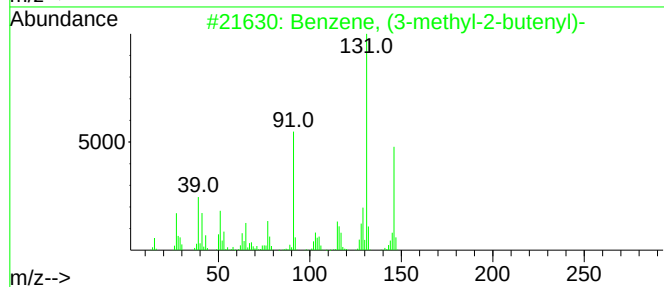
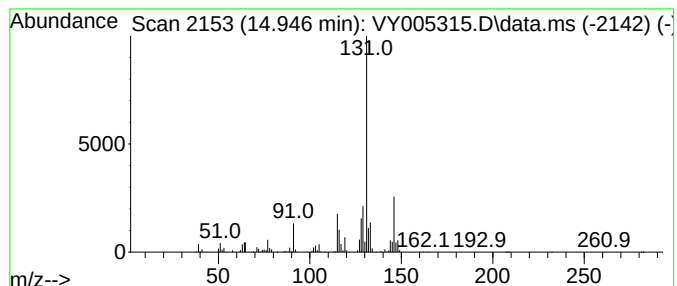
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Benzene, (3-methyl-2-butenyl)- Concentration Rank 1

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.946 | 100.38 ug/l | 1372900 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 93   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 87   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 81   |
| 4    |    |   | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 81   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 74   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070121\  
Data File : VY005315.D  
Acq On : 01 Jul 2021 15:39  
Operator : SY/MD  
Sample : M2896-07  
Misc : 10.87G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-04

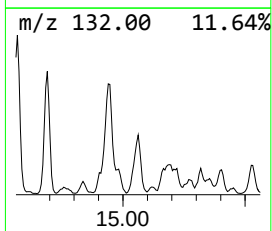
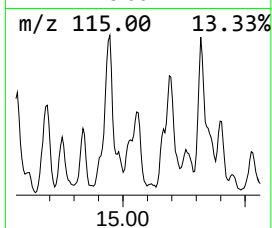
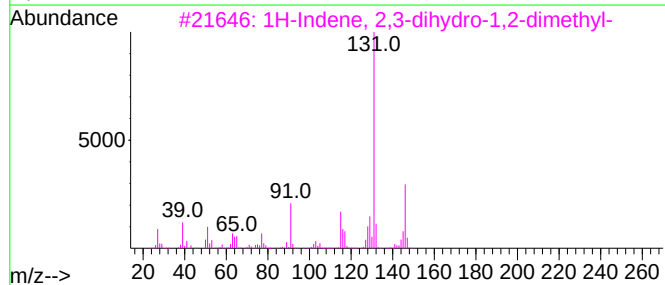
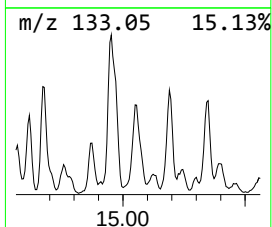
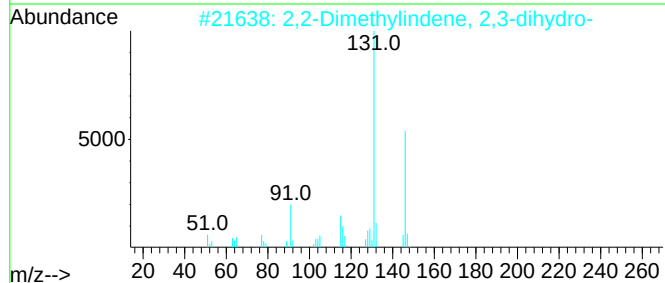
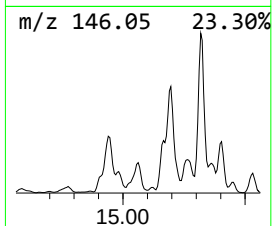
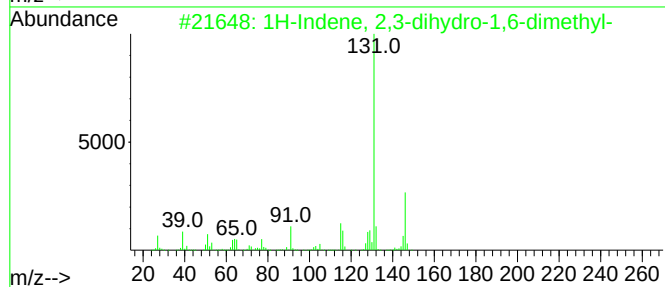
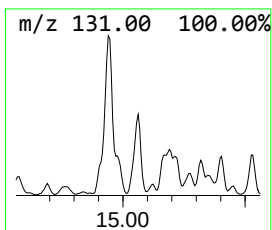
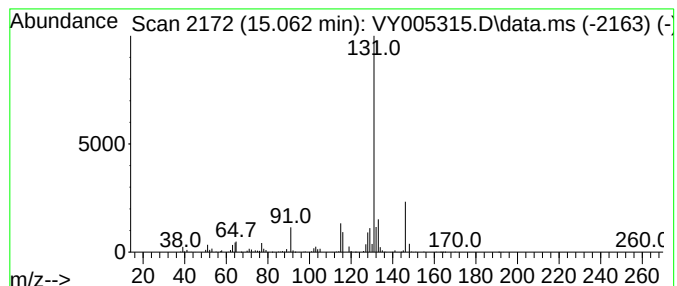
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.062 | 38.95 ug/l | 532657 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 90   |
| 2    |    |   | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 90   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 90   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 90   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 90   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070121\  
Data File : VY005315.D  
Acq On : 01 Jul 2021 15:39  
Operator : SY/MD  
Sample : M2896-07  
Misc : 10.87G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-04

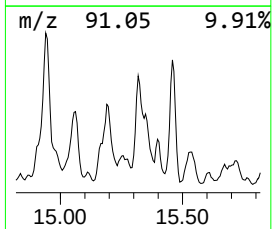
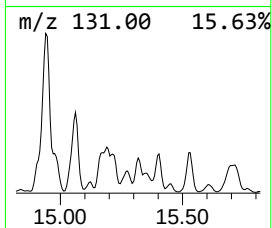
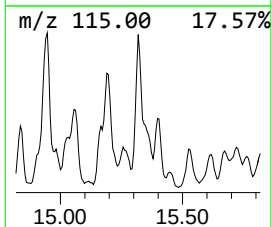
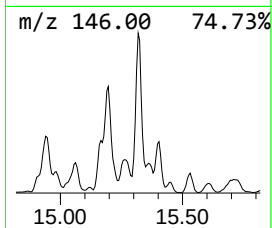
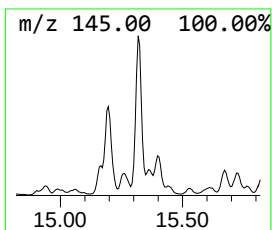
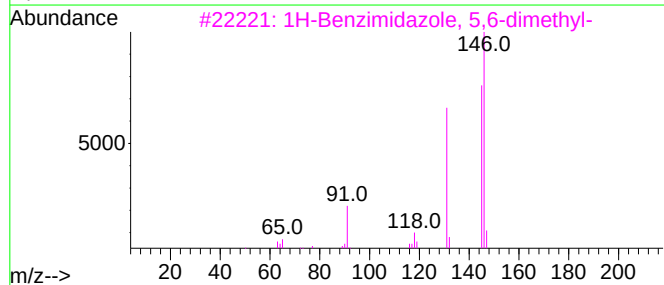
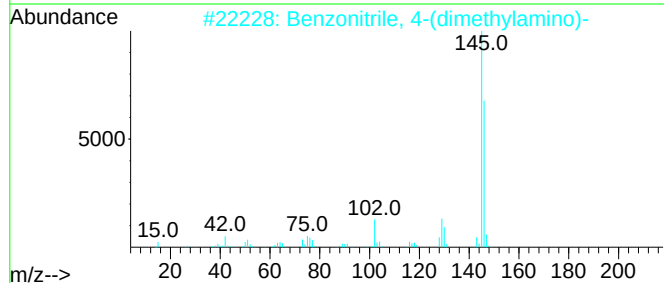
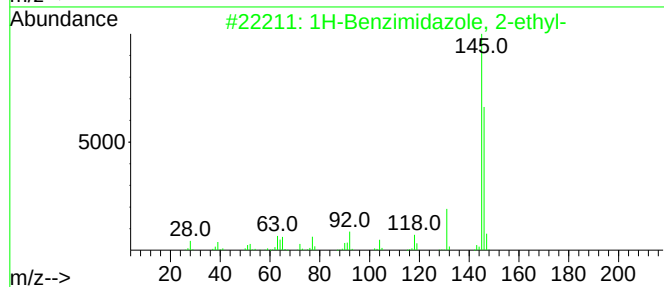
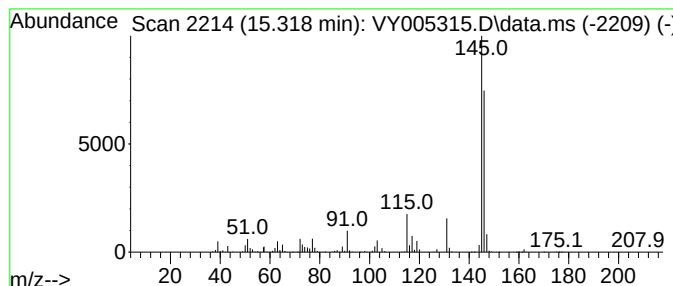
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Quant Title : SW846 8260

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

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Peak Number 5 1H-Benzimidazole, 2-ethyl- Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.318 | 71.06 ug/l | 971815 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Benzimidazole, 2-ethyl-       | 146 | C9H10N2 | 001848-84-6 | 80   |
| 2    |    |   | Benzonitrile, 4-(dimethylamino)- | 146 | C9H10N2 | 001197-19-9 | 64   |
| 3    |    |   | 1H-Benzimidazole, 5,6-dimethyl-  | 146 | C9H10N2 | 000582-60-5 | 52   |
| 4    |    |   | 1H-Indazole, 5,7-dimethyl-       | 146 | C9H10N2 | 043067-41-0 | 52   |
| 5    |    |   | 1H-Indole, 2-aminomethyl-        | 146 | C9H10N2 | 021109-25-1 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070121\  
Data File : VY005315.D  
Acq On : 01 Jul 2021 15:39  
Operator : SY/MD  
Sample : M2896-07  
Misc : 10.87G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-04

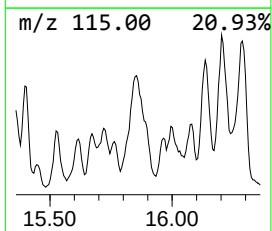
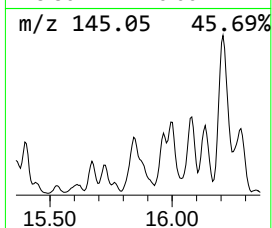
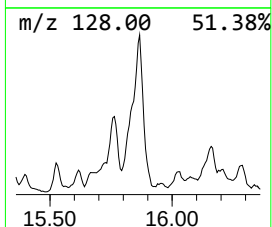
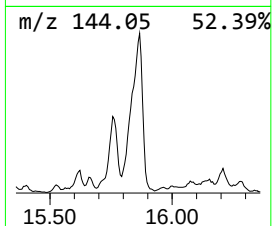
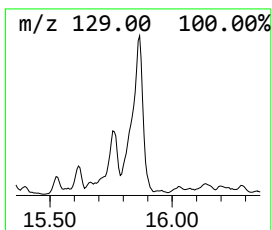
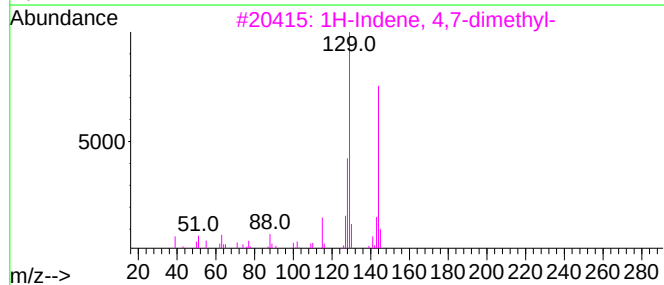
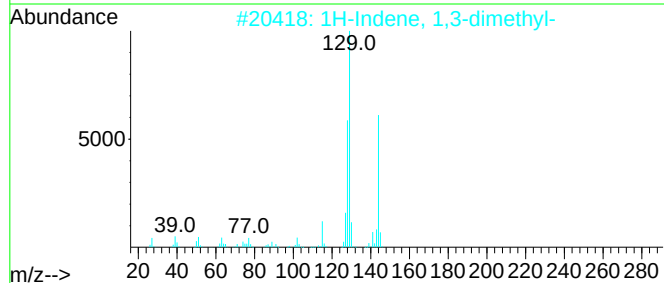
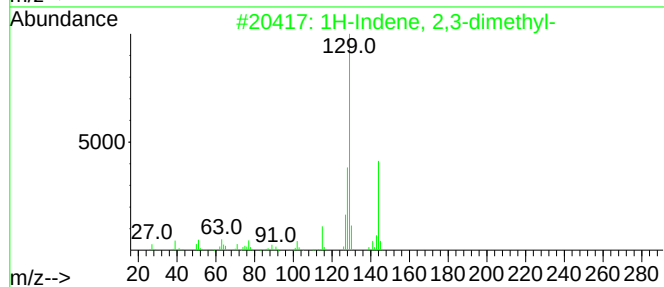
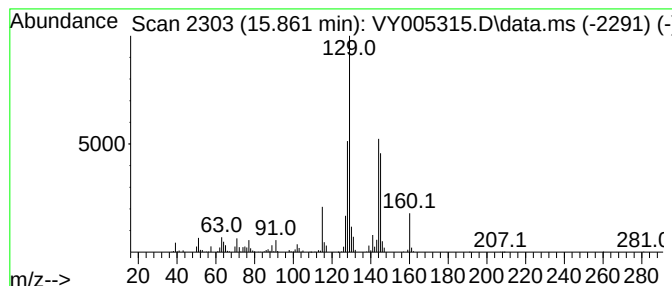
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 1H-Indene, 2,3-dimethyl- Concentration Rank 2

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 15.861 | 75.62 ug/l | 1034180 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dimethyl-         | 144 | C11H12  | 004773-82-4 | 76   |
| 2    |    |   | 1H-Indene, 1,3-dimethyl-         | 144 | C11H12  | 002177-48-2 | 76   |
| 3    |    |   | 1H-Indene, 4,7-dimethyl-         | 144 | C11H12  | 006974-97-6 | 76   |
| 4    |    |   | (1-Methylbuta-1,3-dienyl)benzene | 144 | C11H12  | 054758-36-0 | 70   |
| 5    |    |   | Benzene, (1-methyl-2-butynyl)-   | 144 | C11H12  | 087712-69-4 | 68   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070121\  
Data File : VY005315.D  
Acq On : 01 Jul 2021 15:39  
Operator : SY/MD  
Sample : M2896-07  
Misc : 10.87G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-04

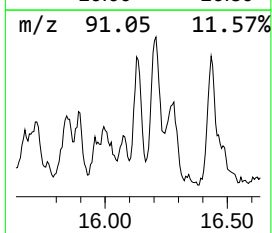
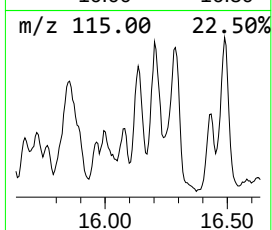
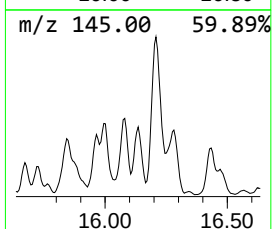
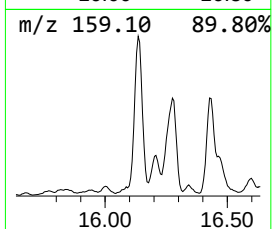
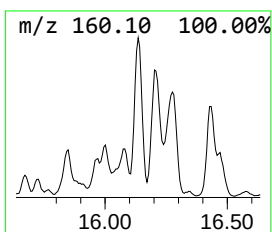
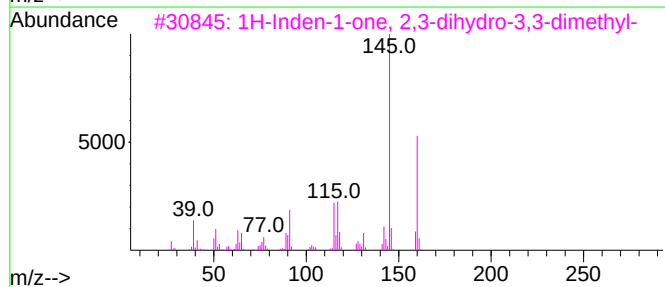
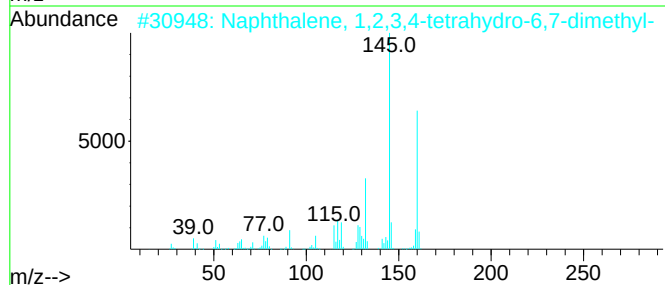
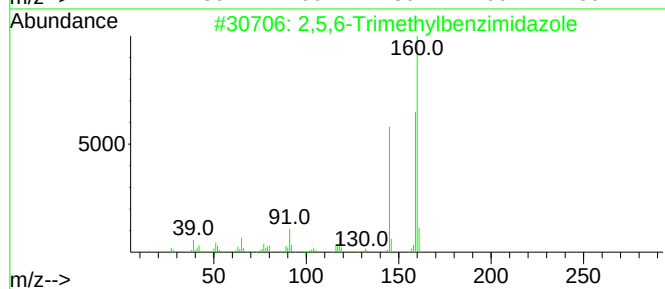
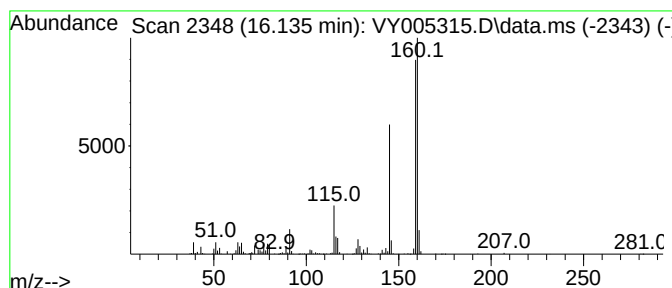
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

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

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Peak Number 7 2,5,6-Trimethylbenzimidazole Concentration Rank 9

| R.T.      | EstConc                             | Area   | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|--------|------------------------|-------------|------|
| 16.135    | 38.99 ug/l                          | 533304 | 1,4-Dichlorobenzene-d4 | 13.428      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm                | CAS#        | Qual |
| 1         | 2,5,6-Trimethylbenzimidazole        | 160    | C10H12N2               | 003363-56-2 | 83   |
| 2         | Naphthalene, 1,2,3,4-tetrahydro-... | 160    | C12H16                 | 001076-61-5 | 47   |
| 3         | 1H-Inden-1-one, 2,3-dihydro-3,3-... | 160    | C11H12O                | 026465-81-6 | 46   |
| 4         | Benzene, 1-(2-butenyl)-2,3-dimet... | 160    | C12H16                 | 054340-85-1 | 46   |
| 5         | Naphthalene, 1,2,3,4-tetrahydro-... | 160    | C12H16                 | 020027-77-4 | 46   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070121\  
Data File : VY005315.D  
Acq On : 01 Jul 2021 15:39  
Operator : SY/MD  
Sample : M2896-07  
Misc : 10.87G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-04

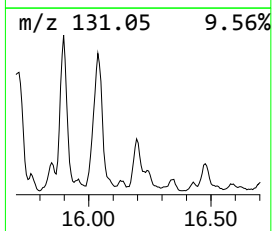
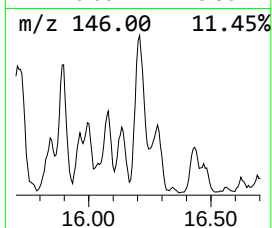
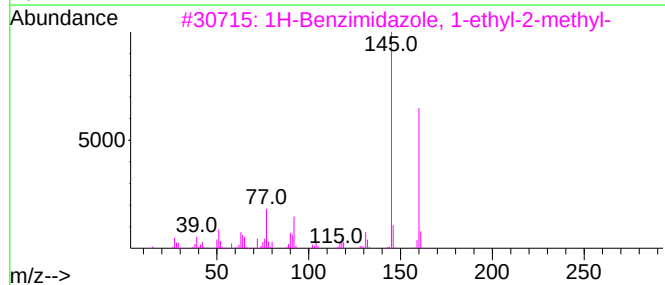
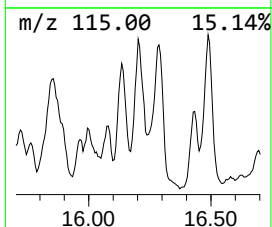
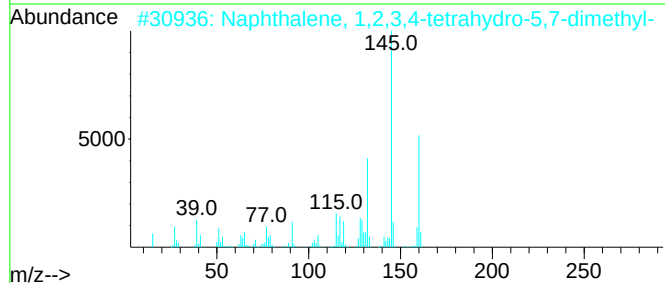
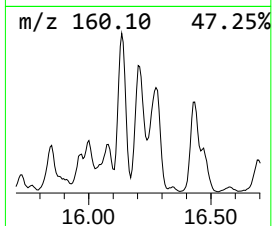
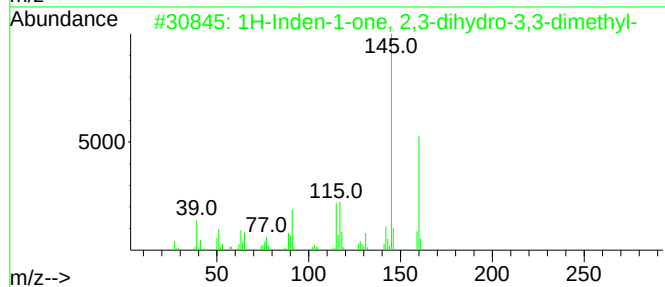
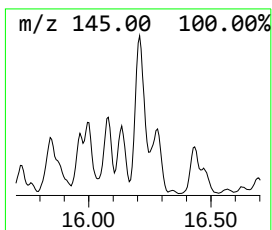
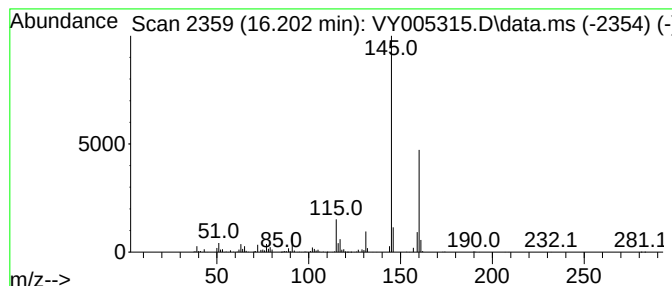
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Quant Title : SW846 8260

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

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Peak Number 8 1H-Inden-1-one, 2,3-dihydro... Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.202 | 53.13 ug/l | 726637 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 1H-Inden-1-one, 2,3-dihydro-3,3-... | 160 | C11H12O  | 026465-81-6 | 86   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16   | 021693-54-9 | 80   |
| 3    |    |   | 1H-Benzimidazole, 1-ethyl-2-methyl- | 160 | C10H12N2 | 005805-76-5 | 80   |
| 4    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16   | 021564-91-0 | 72   |
| 5    |    |   | 1H-Benzimidazole, 2-(1-methyleth... | 160 | C10H12N2 | 005851-43-4 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070121\  
Data File : VY005315.D  
Acq On : 01 Jul 2021 15:39  
Operator : SY/MD  
Sample : M2896-07  
Misc : 10.87G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-04

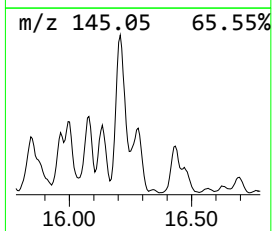
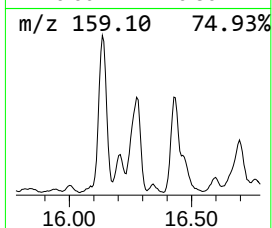
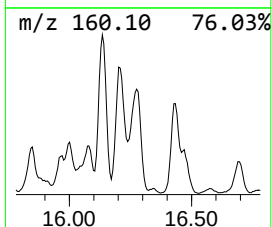
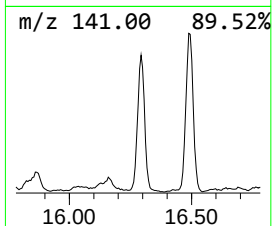
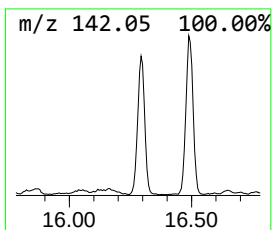
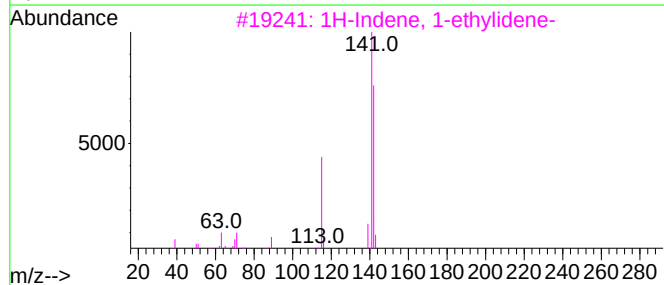
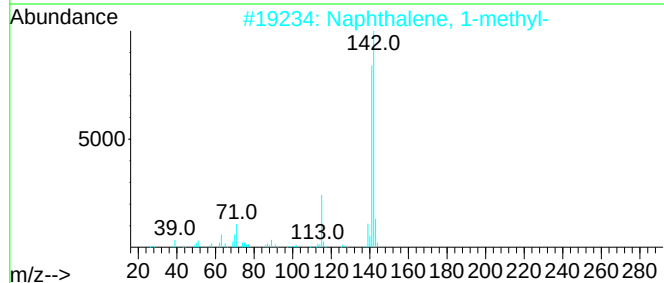
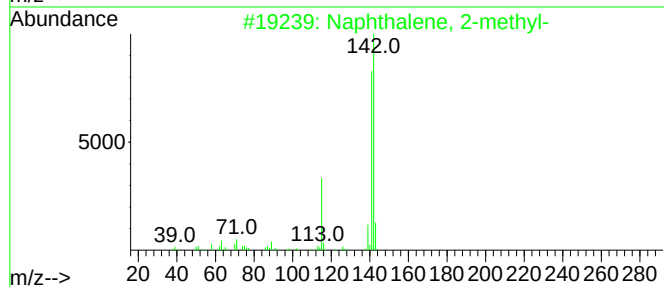
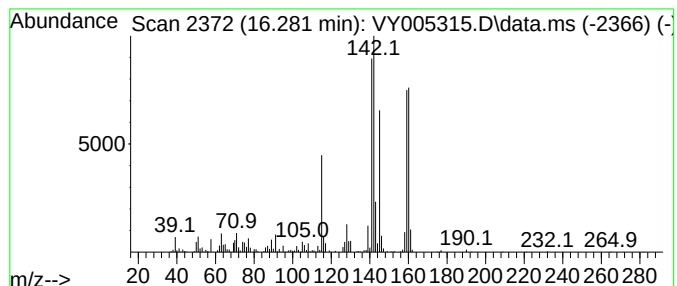
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 unknown16.281 Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.281 | 51.94 ug/l | 710317 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 46   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 46   |
| 3    |    |   | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 46   |
| 4    |    |   | Quinoline, 2-methyl-, 1-oxide       | 159 | C10H9NO | 001076-28-4 | 43   |
| 5    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 41   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070121\  
Data File : VY005315.D  
Acq On : 01 Jul 2021 15:39  
Operator : SY/MD  
Sample : M2896-07  
Misc : 10.87G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-04

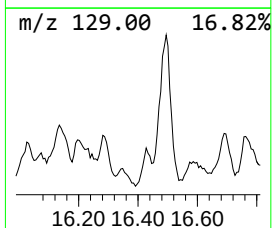
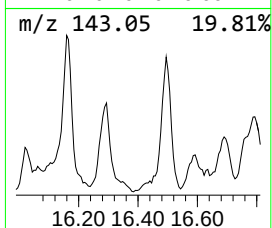
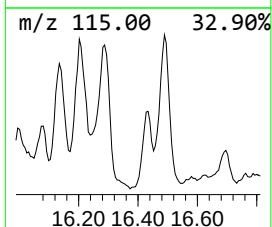
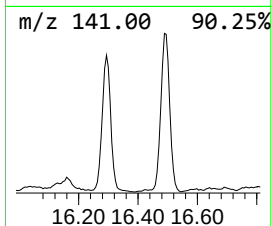
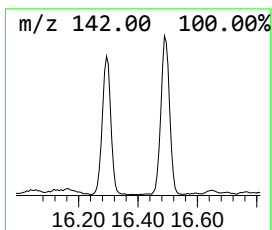
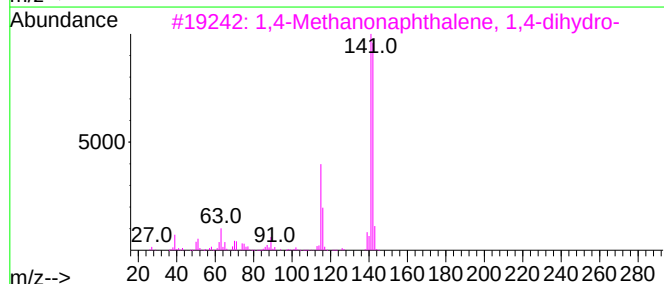
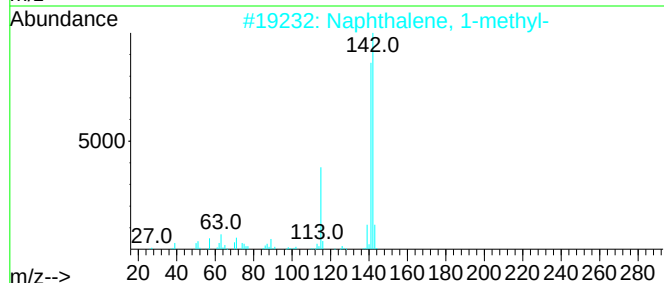
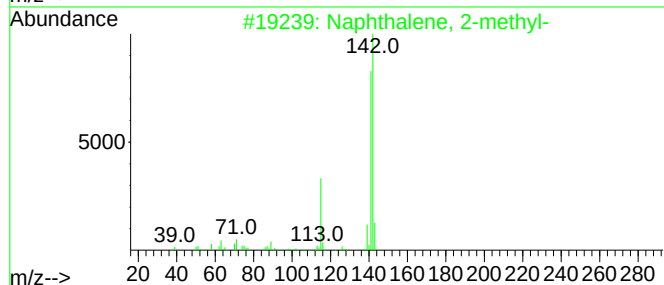
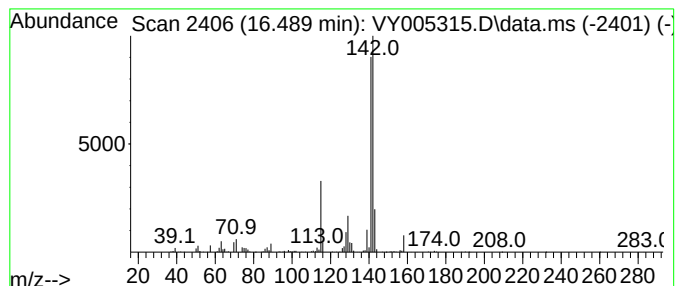
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

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

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

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.489 | 39.52 ug/l | 540525 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 95   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 81   |
| 3    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 72   |
| 4    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 72   |
| 5    |    |   | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070121\  
Data File : VY005315.D  
Acq On : 01 Jul 2021 15:39  
Operator : SY/MD  
Sample : M2896-07  
Misc : 10.87G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-04

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.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, pentyl-   | 14.586 | 67.3    | ug/l  | 920966   | 4                     | 13.428 | 683845 | 50.0 |
| o-Cymene           | 14.678 | 56.4    | ug/l  | 770848   | 4                     | 13.428 | 683845 | 50.0 |
| Benzene, (3-met... | 14.946 | 100.4   | ug/l  | 1372900  | 4                     | 13.428 | 683845 | 50.0 |
| 1H-Indene, 2,3-... | 15.062 | 39.0    | ug/l  | 532657   | 4                     | 13.428 | 683845 | 50.0 |
| 1H-Benzimidazol... | 15.318 | 71.1    | ug/l  | 971815   | 4                     | 13.428 | 683845 | 50.0 |
| 1H-Indene, 2,3-... | 15.861 | 75.6    | ug/l  | 1034180  | 4                     | 13.428 | 683845 | 50.0 |
| 2,5,6-Trimethyl... | 16.135 | 39.0    | ug/l  | 533304   | 4                     | 13.428 | 683845 | 50.0 |
| 1H-Inden-1-one,... | 16.202 | 53.1    | ug/l  | 726637   | 4                     | 13.428 | 683845 | 50.0 |
| unknown16.281      | 16.281 | 51.9    | ug/l  | 710317   | 4                     | 13.428 | 683845 | 50.0 |
| Naphthalene, 1-... | 16.489 | 39.5    | ug/l  | 540525   | 4                     | 13.428 | 683845 | 50.0 |