

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031821\  
 Data File : VY004125.D  
 Acq On : 18 Mar 2021 16:55  
 Operator : SY/MD  
 Sample : M1722-01  
 Misc : 8.28g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HD-01-031821

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\82Y030821S.M  
 Title : SW846 8260

Signal : TIC: VY004125.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         | 4.729       | 467           | 477         | 488          | rBV4     | 6798           | 20353         | 1.51%           | 0.103%        |
| 2         | 5.759       | 634           | 646         | 660          | rBV3     | 11545          | 35153         | 2.62%           | 0.178%        |
| 3         | 7.728       | 959           | 969         | 975          | rBV      | 146521         | 351635        | 26.17%          | 1.777%        |
| 4         | 7.795       | 975           | 980         | 993          | rVB      | 238238         | 533956        | 39.74%          | 2.699%        |
| 5         | 8.149       | 1028          | 1038        | 1048         | rBV      | 143112         | 310284        | 23.09%          | 1.568%        |
| 6         | 8.697       | 1119          | 1128        | 1138         | rBV      | 385780         | 736276        | 54.80%          | 3.722%        |
| 7         | 10.185      | 1364          | 1372        | 1379         | rBV      | 592832         | 1026928       | 76.43%          | 5.191%        |
| 8         | 11.496      | 1579          | 1587        | 1598         | rBV      | 551748         | 896058        | 66.69%          | 4.529%        |
| 9         | 11.703      | 1614          | 1621        | 1631         | rBV3     | 9494           | 20930         | 1.56%           | 0.106%        |
| 10        | 12.032      | 1664          | 1675        | 1682         | rBV      | 18895          | 32477         | 2.42%           | 0.164%        |
| 11        | 12.483      | 1741          | 1749        | 1759         | rBV      | 435842         | 673688        | 50.14%          | 3.405%        |
| 12        | 12.672      | 1772          | 1780        | 1785         | rVB      | 15962          | 26730         | 1.99%           | 0.135%        |
| 13        | 12.739      | 1785          | 1791        | 1794         | rBV      | 78880          | 124916        | 9.30%           | 0.631%        |
| 14        | 12.770      | 1794          | 1796        | 1799         | rVV      | 42832          | 55839         | 4.16%           | 0.282%        |
| 15        | 12.813      | 1799          | 1803        | 1809         | rVB2     | 90860          | 140149        | 10.43%          | 0.708%        |
| 16        | 12.977      | 1824          | 1830        | 1836         | rVV      | 67978          | 108862        | 8.10%           | 0.550%        |
| 17        | 13.044      | 1836          | 1841        | 1846         | rVB4     | 10011          | 14770         | 1.10%           | 0.075%        |
| 18        | 13.123      | 1846          | 1854        | 1859         | rBV      | 215866         | 327261        | 24.36%          | 1.654%        |
| 19        | 13.258      | 1869          | 1876        | 1879         | rBV2     | 15691          | 25945         | 1.93%           | 0.131%        |
| 20        | 13.319      | 1880          | 1886        | 1891         | rBV2     | 40575          | 65105         | 4.85%           | 0.329%        |
| 21        | 13.373      | 1891          | 1895        | 1898         | rVV2     | 19541          | 27164         | 2.02%           | 0.137%        |
| 22        | 13.428      | 1898          | 1904        | 1908         | rVV      | 518330         | 854549        | 63.60%          | 4.320%        |
| 23        | 13.459      | 1908          | 1909        | 1914         | rVB      | 169512         | 160450        | 11.94%          | 0.811%        |
| 24        | 13.629      | 1932          | 1937        | 1940         | rBV      | 211012         | 277731        | 20.67%          | 1.404%        |
| 25        | 13.666      | 1940          | 1943        | 1953         | rVB3     | 182499         | 359075        | 26.73%          | 1.815%        |
| 26        | 13.757      | 1953          | 1958        | 1962         | rBV3     | 106029         | 157436        | 11.72%          | 0.796%        |
| 27        | 13.825      | 1962          | 1969        | 1975         | rBV      | 85855          | 139098        | 10.35%          | 0.703%        |
| 28        | 13.886      | 1975          | 1979        | 1982         | rBV      | 108458         | 173851        | 12.94%          | 0.879%        |
| 29        | 13.916      | 1982          | 1984        | 1989         | rVB      | 135909         | 177208        | 13.19%          | 0.896%        |
| 30        | 13.977      | 1989          | 1994        | 1999         | rVB      | 206636         | 298926        | 22.25%          | 1.511%        |
| 31        | 14.032      | 1999          | 2003        | 2007         | rBV      | 47255          | 75563         | 5.62%           | 0.382%        |
| 32        | 14.081      | 2007          | 2011        | 2017         | rVB      | 219641         | 343466        | 25.56%          | 1.736%        |
| 33        | 14.160      | 2017          | 2024        | 2028         | rBV4     | 40749          | 90253         | 6.72%           | 0.456%        |
| 34        | 14.215      | 2028          | 2033        | 2037         | rBV2     | 79735          | 129942        | 9.67%           | 0.657%        |
| 35        | 14.263      | 2037          | 2041        | 2043         | rBV5     | 26784          | 42455         | 3.16%           | 0.215%        |
| 36        | 14.300      | 2043          | 2047        | 2050         | rVV      | 136186         | 197794        | 14.72%          | 1.000%        |

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 Sample : M1722-01  
 Misc : 8.28g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HD-01-031821

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\82Y030821S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |         |        |
|----|--------|------|------|------|------|--------|---------|---------|--------|
| 37 | 14.337 | 2050 | 2053 | 2057 | rVB  | 243765 | 328488  | 24.45%  | 1.660% |
| 38 | 14.385 | 2057 | 2061 | 2064 | rBV  | 112783 | 143548  | 10.68%  | 0.726% |
| 39 | 14.422 | 2064 | 2067 | 2071 | rVB2 | 75389  | 93251   | 6.94%   | 0.471% |
| 40 | 14.483 | 2074 | 2077 | 2078 | rBV3 | 19678  | 19063   | 1.42%   | 0.096% |
| 41 | 14.526 | 2079 | 2084 | 2087 | rVV2 | 118315 | 156339  | 11.64%  | 0.790% |
| 42 | 14.568 | 2087 | 2091 | 2096 | rVV3 | 288053 | 499585  | 37.18%  | 2.525% |
| 43 | 14.617 | 2096 | 2099 | 2103 | rVB  | 239139 | 323594  | 24.08%  | 1.636% |
| 44 | 14.690 | 2103 | 2111 | 2116 | rBV3 | 623828 | 1343558 | 100.00% | 6.792% |
| 45 | 14.739 | 2116 | 2119 | 2125 | rVB2 | 114037 | 194168  | 14.45%  | 0.981% |
| 46 | 14.837 | 2130 | 2135 | 2143 | rVB  | 449215 | 659756  | 49.11%  | 3.335% |
| 47 | 14.910 | 2143 | 2147 | 2148 | rBV2 | 69124  | 84510   | 6.29%   | 0.427% |
| 48 | 14.946 | 2148 | 2153 | 2157 | rBV2 | 177281 | 297369  | 22.13%  | 1.503% |
| 49 | 14.983 | 2157 | 2159 | 2164 | rVB  | 127588 | 151885  | 11.30%  | 0.768% |
| 50 | 15.062 | 2165 | 2172 | 2178 | rVB3 | 248303 | 536874  | 39.96%  | 2.714% |
| 51 | 15.141 | 2181 | 2185 | 2191 | rVB5 | 42600  | 83057   | 6.18%   | 0.420% |
| 52 | 15.215 | 2191 | 2197 | 2199 | rBV4 | 93467  | 177043  | 13.18%  | 0.895% |
| 53 | 15.300 | 2206 | 2211 | 2215 | rBV  | 218054 | 349941  | 26.05%  | 1.769% |
| 54 | 15.355 | 2215 | 2220 | 2226 | rVV4 | 187080 | 515444  | 38.36%  | 2.606% |
| 55 | 15.440 | 2230 | 2234 | 2242 | rVB3 | 196706 | 340864  | 25.37%  | 1.723% |
| 56 | 15.532 | 2242 | 2249 | 2256 | rBV3 | 213292 | 441893  | 32.89%  | 2.234% |
| 57 | 15.605 | 2256 | 2261 | 2266 | rVB3 | 44244  | 77248   | 5.75%   | 0.390% |
| 58 | 15.696 | 2266 | 2276 | 2277 | rBV5 | 148366 | 294106  | 21.89%  | 1.487% |
| 59 | 15.733 | 2277 | 2282 | 2291 | rVB  | 476685 | 899411  | 66.94%  | 4.546% |
| 60 | 15.824 | 2291 | 2297 | 2302 | rBV4 | 60721  | 127580  | 9.50%   | 0.645% |
| 61 | 15.891 | 2302 | 2308 | 2315 | rBV3 | 115808 | 257587  | 19.17%  | 1.302% |
| 62 | 16.038 | 2325 | 2332 | 2338 | rBV  | 261506 | 552660  | 41.13%  | 2.794% |
| 63 | 16.159 | 2349 | 2352 | 2356 | rBV4 | 24596  | 37116   | 2.76%   | 0.188% |
| 64 | 16.233 | 2356 | 2364 | 2370 | rVV4 | 222247 | 482852  | 35.94%  | 2.441% |
| 65 | 16.300 | 2370 | 2375 | 2381 | rVV  | 181679 | 353009  | 26.27%  | 1.784% |
| 66 | 16.367 | 2381 | 2386 | 2396 | rVB  | 119114 | 253054  | 18.83%  | 1.279% |
| 67 | 16.495 | 2400 | 2407 | 2413 | rBV  | 215748 | 520748  | 38.76%  | 2.632% |
| 68 | 16.635 | 2423 | 2430 | 2438 | rVB2 | 61058  | 154989  | 11.54%  | 0.783% |

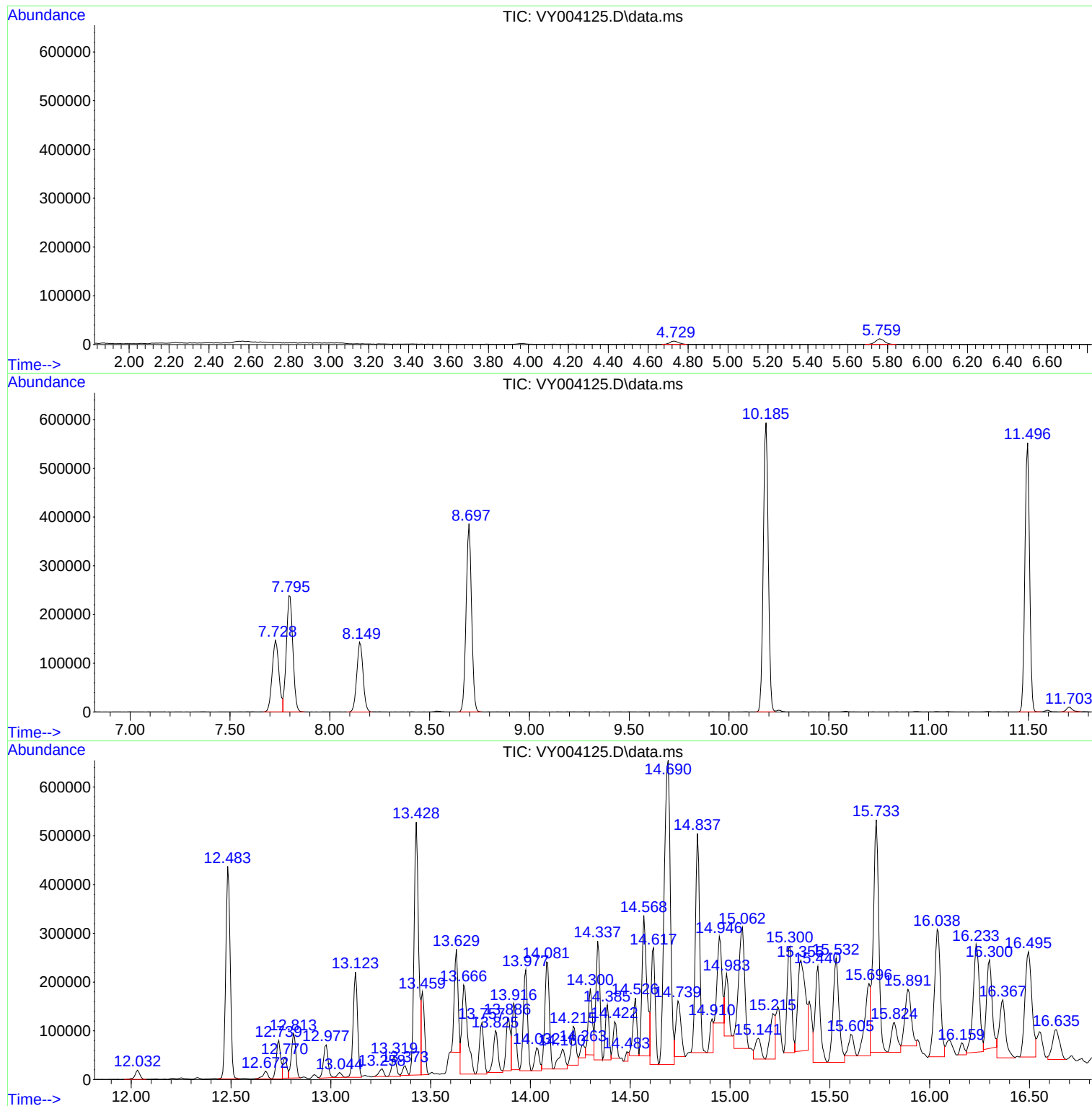
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Sample : M1722-01  
Misc : 8.28g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-031821

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031821\  
Data File : VY004125.D  
Acq On : 18 Mar 2021 16:55  
Operator : SY/MD  
Sample : M1722-01  
Misc : 8.28g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-031821

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260

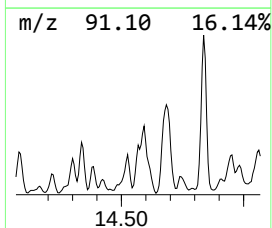
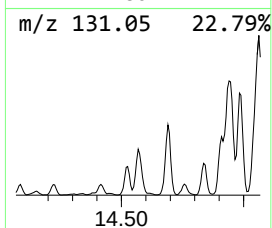
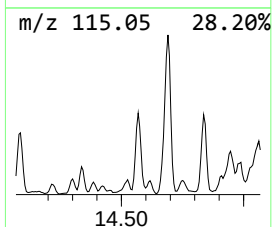
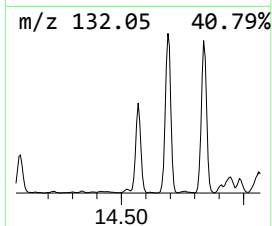
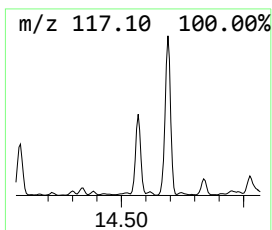
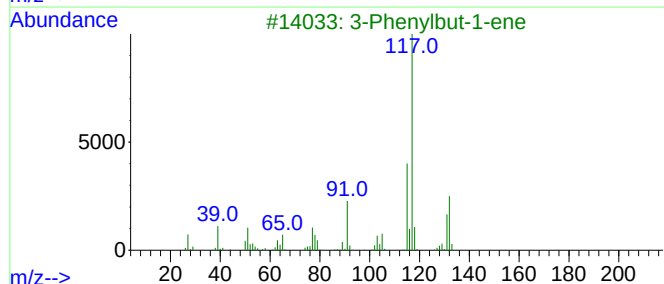
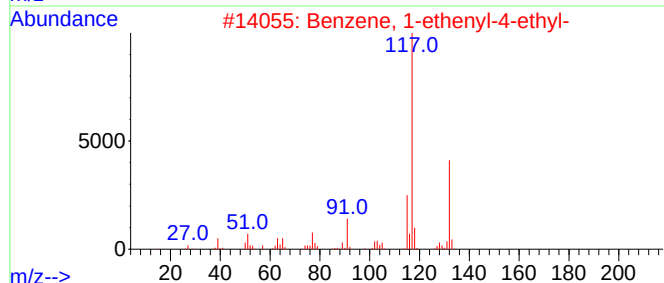
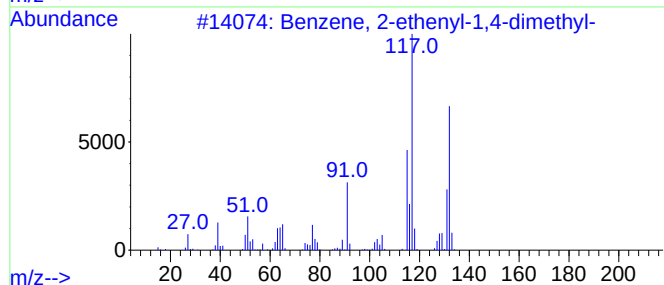
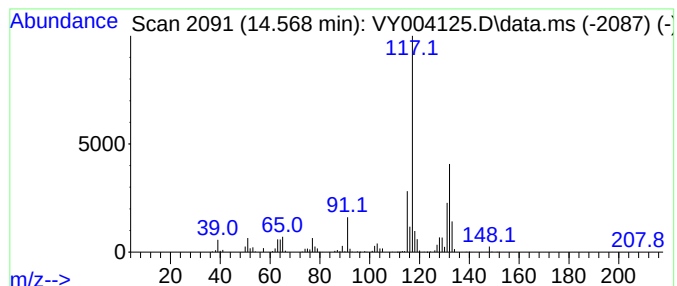
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.568 | 29.23 ug/l | 499585 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 95   |
| 2    |    |   | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 93   |
| 3    |    |   | 3-Phenylbut-1-ene                | 132 | C10H12  | 000934-10-1 | 90   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 90   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 87   |



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Sample : M1722-01  
Misc : 8.28g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-031821

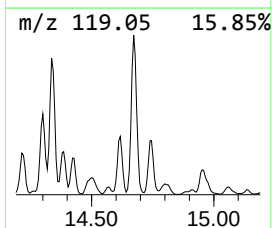
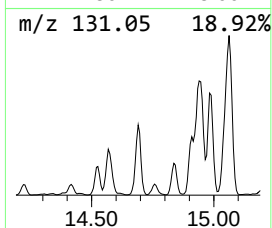
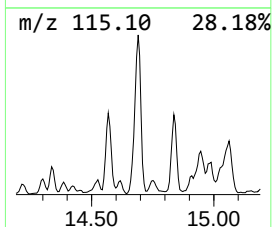
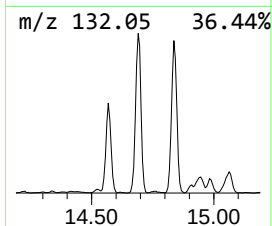
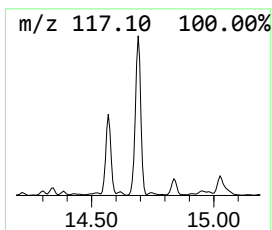
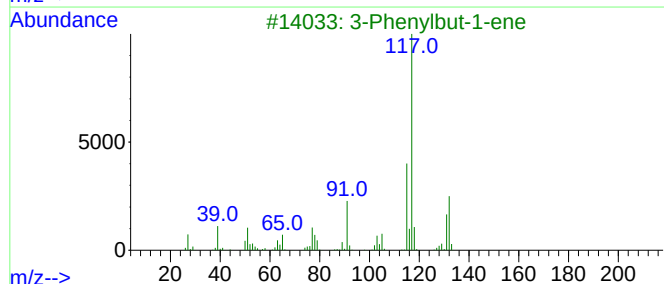
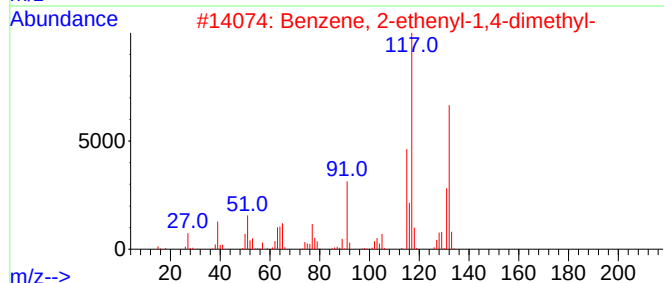
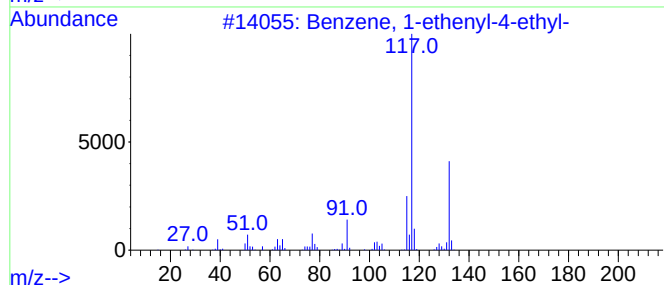
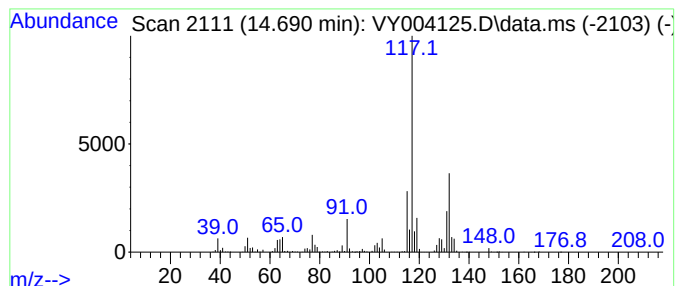
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 1

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 14.690 | 78.61 ug/l | 1343560 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 94   |
| 2    |    |   | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 91   |
| 3    |    |   | 3-Phenylbut-1-ene                | 132 | C10H12  | 000934-10-1 | 90   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 87   |
| 5    |    |   | Benzene, 2-butenyl-              | 132 | C10H12  | 001560-06-1 | 87   |



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Sample : M1722-01  
Misc : 8.28g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-031821

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260

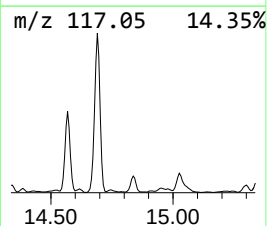
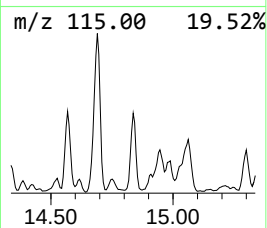
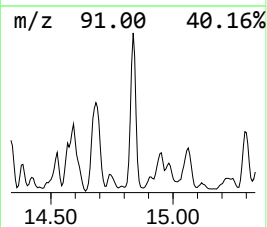
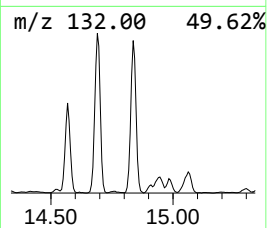
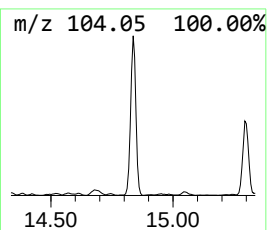
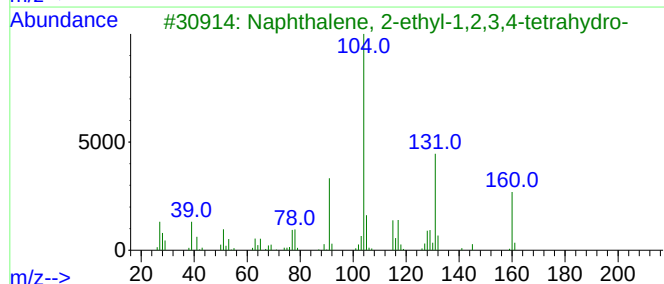
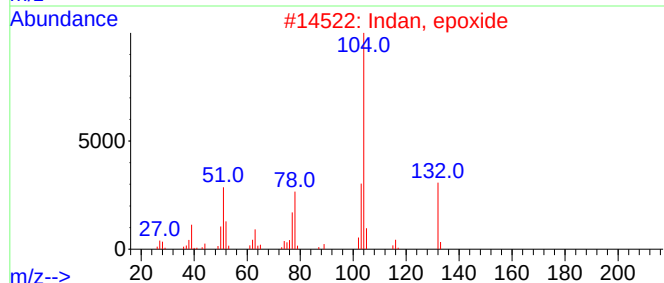
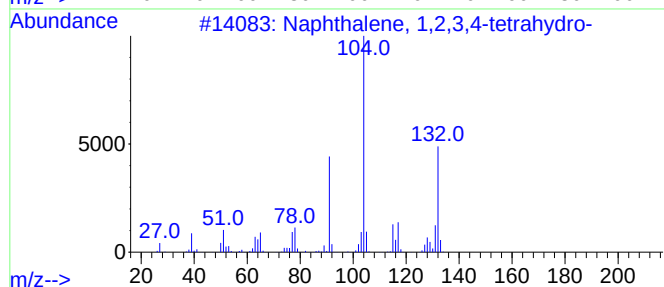
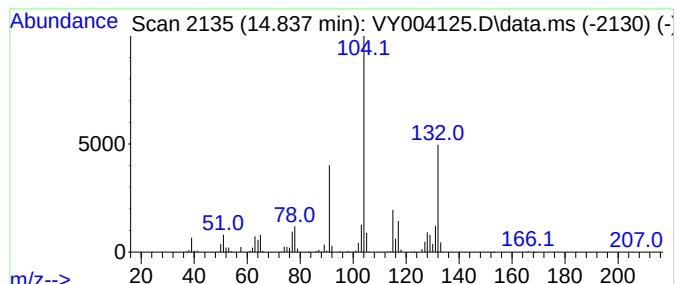
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Naphthalene, 1,2,3,4-tetrahydro- Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.836 | 38.60 ug/l | 659756 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-    | 132 | C10H12   | 000119-64-2  | 96   |
| 2    |    |   | Indan, epoxide                      | 132 | C9H8O    | 000768-22-9  | 49   |
| 3    |    |   | Naphthalene, 2-ethyl-1,2,3,4-tet... | 160 | C12H16   | 032367-54-7  | 40   |
| 4    |    |   | Benzene, cyclobutyl-                | 132 | C10H12   | 004392-30-7  | 40   |
| 5    |    |   | 2-Furanone, 4-phenyltetrahydro      | 162 | C10H10O2 | 1000197-38-4 | 35   |



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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-031821

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Quant Title : SW846 8260

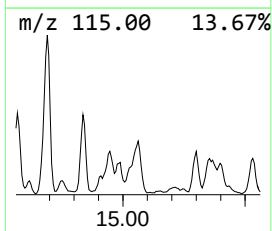
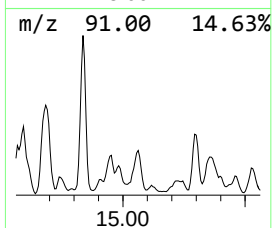
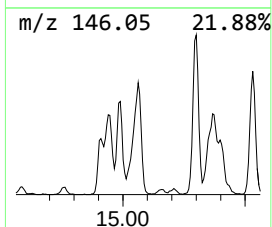
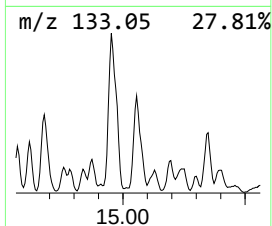
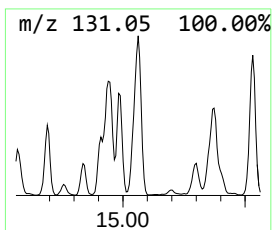
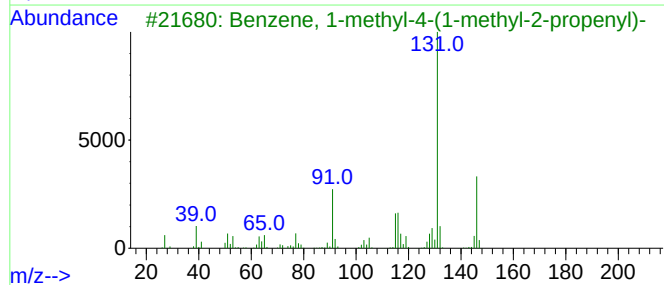
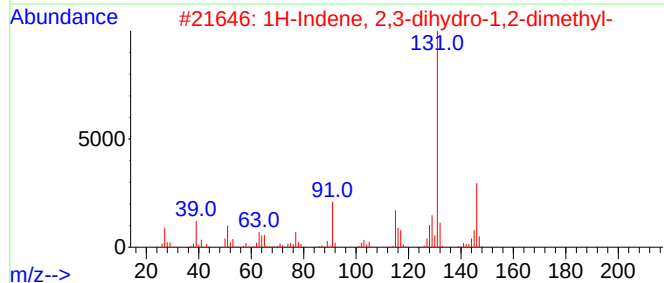
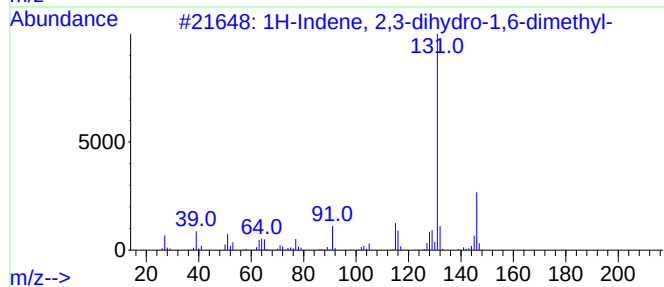
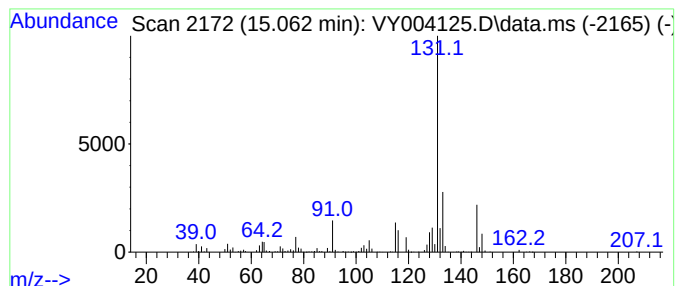
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.062 | 31.41 ug/l | 536874 | 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 | 93   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 87   |
| 3    |    |   | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14  | 097664-18-1 | 87   |
| 4    |    |   | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 87   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 | C11H14  | 004912-92-9 | 87   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031821\  
Data File : VY004125.D  
Acq On : 18 Mar 2021 16:55  
Operator : SY/MD  
Sample : M1722-01  
Misc : 8.28g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-031821

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260

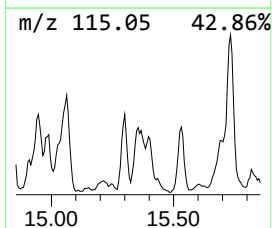
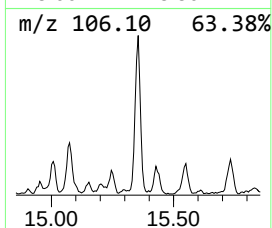
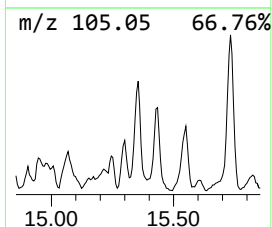
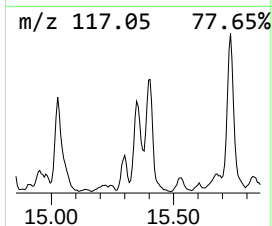
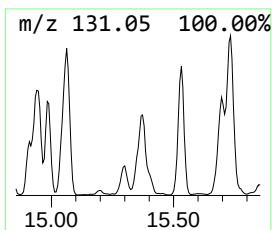
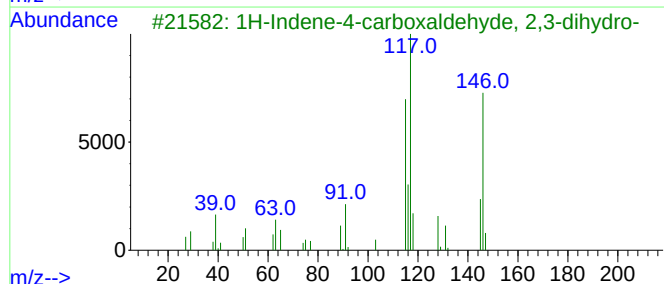
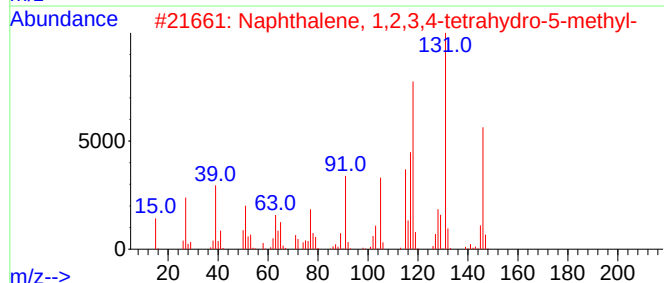
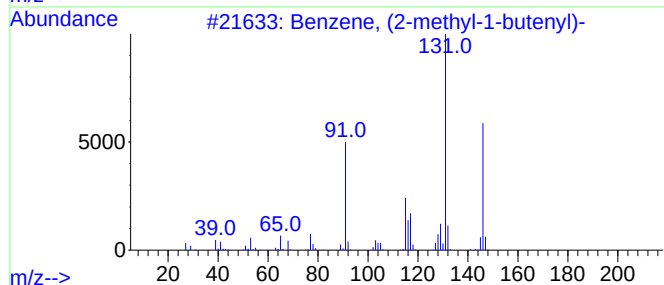
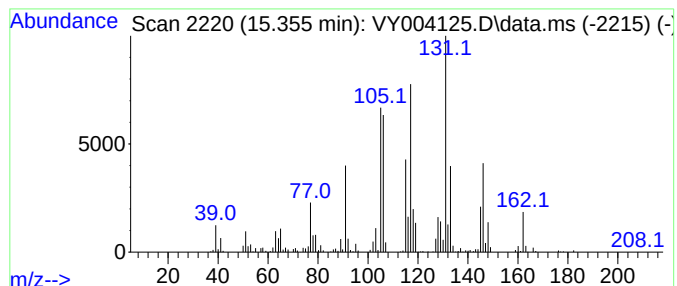
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzene, (2-methyl-1-butenyl)- Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.355 | 30.16 ug/l | 515444 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (2-methyl-1-butenyl)-      | 146 | C11H14  | 056253-64-6 | 52   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5 | 50   |
| 3    |    |   | 1H-Indene-4-carboxaldehyde, 2,3-... | 146 | C10H10O | 051932-70-8 | 46   |
| 4    |    |   | Benzeneacetaldehyde, .alpha.-eth... | 146 | C10H10O | 004411-89-6 | 46   |
| 5    |    |   | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 42   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031821\  
Data File : VY004125.D  
Acq On : 18 Mar 2021 16:55  
Operator : SY/MD  
Sample : M1722-01  
Misc : 8.28g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-031821

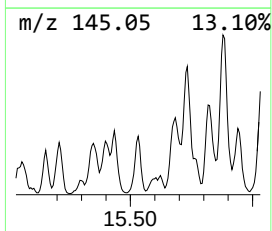
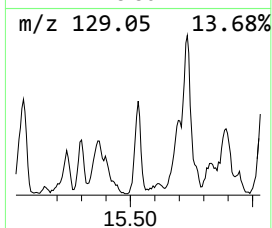
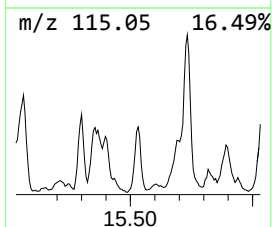
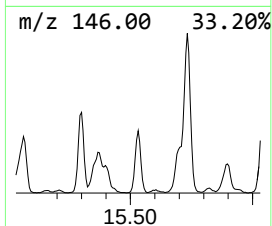
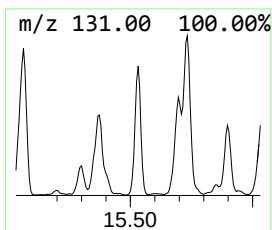
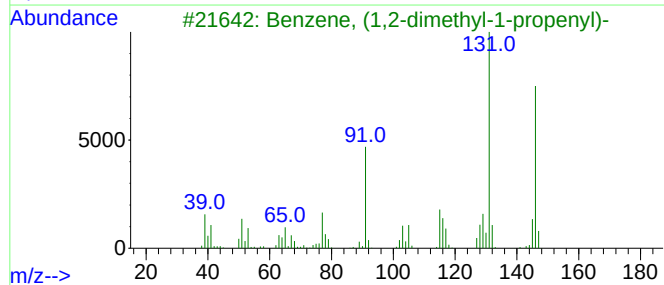
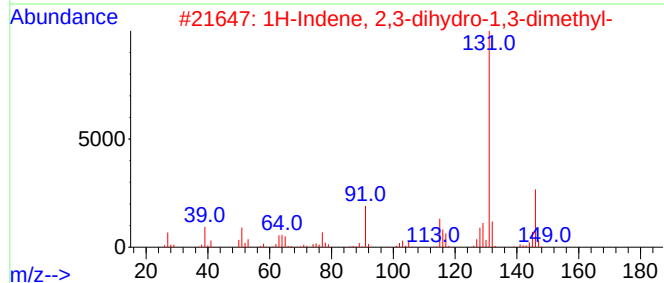
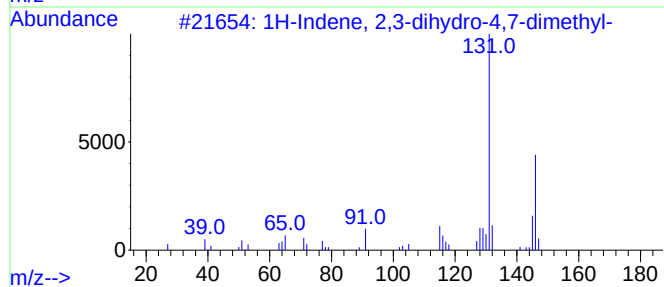
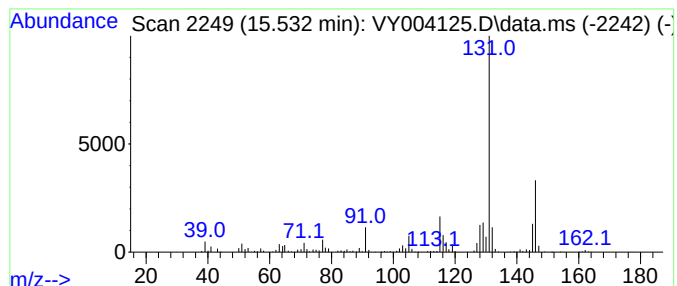
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260

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

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Peak Number 6 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.531 | 25.86 ug/l | 441893 | 1,4-Dichlorobenzene-d4 | 13.428 |

| 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-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 94   |
| 3    |    |   | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14  | 000769-57-3 | 93   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14  | 001075-22-5 | 93   |
| 5    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031821\  
Data File : VY004125.D  
Acq On : 18 Mar 2021 16:55  
Operator : SY/MD  
Sample : M1722-01  
Misc : 8.28g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-031821

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260

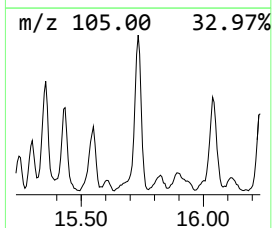
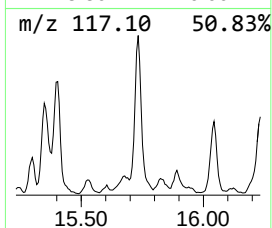
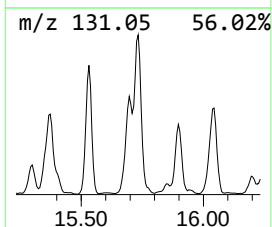
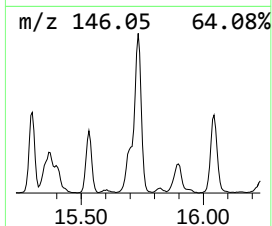
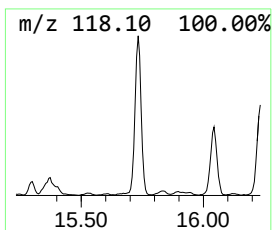
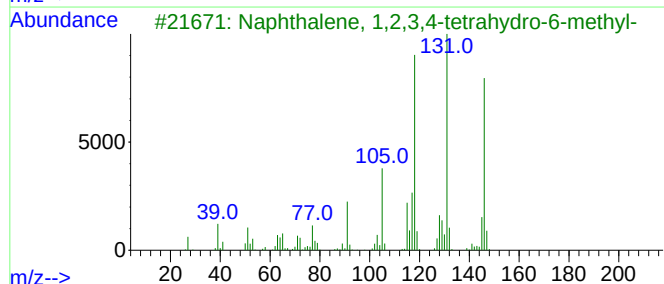
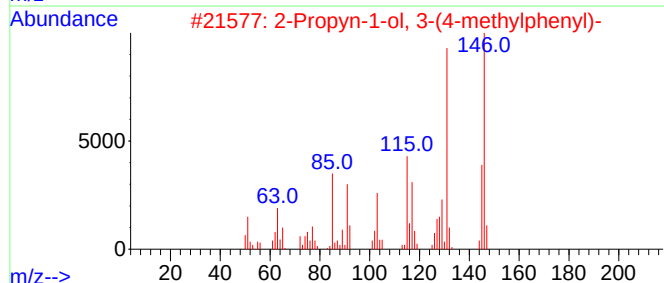
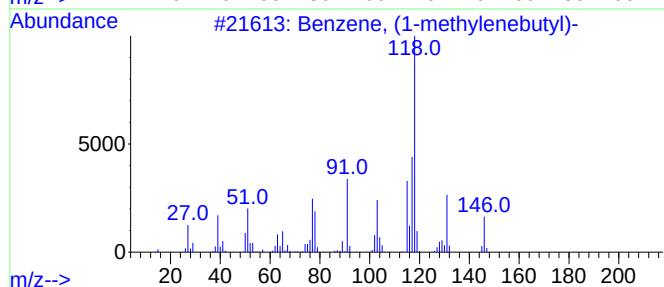
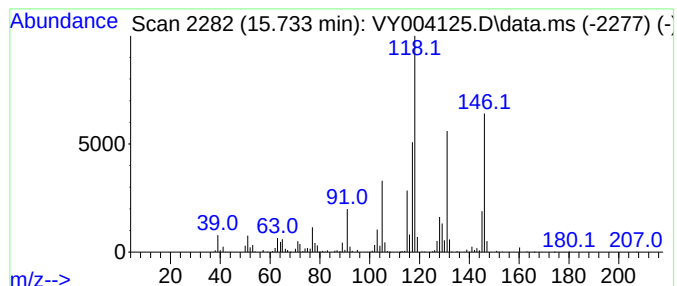
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzene, (1-methylenebutyl)- Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.733 | 52.62 ug/l | 899411 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Benzene, (1-methylenebutyl)-        | 146 | C11H14  | 005676-32-4  | 86   |
| 2    |    |   | 2-Propyn-1-ol, 3-(4-methylphenyl)-  | 146 | C10H10O | 016017-24-6  | 64   |
| 3    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001680-51-9  | 64   |
| 4    |    |   | 2,3,4,5,6,7-Hexahydro-1H-cyclope... | 146 | C11H14  | 1000189-31-0 | 64   |
| 5    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 004175-54-6  | 60   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031821\  
Data File : VY004125.D  
Acq On : 18 Mar 2021 16:55  
Operator : SY/MD  
Sample : M1722-01  
Misc : 8.28g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-031821

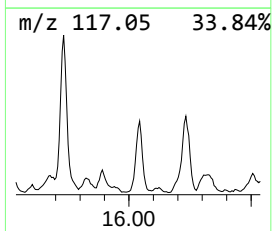
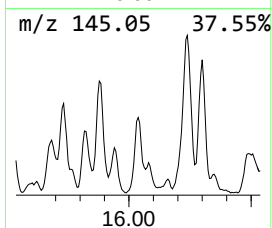
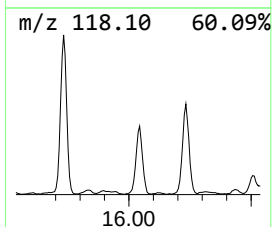
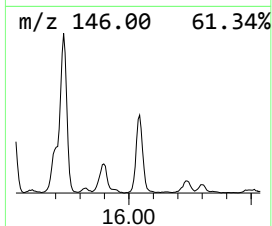
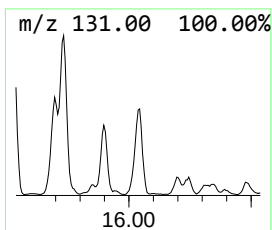
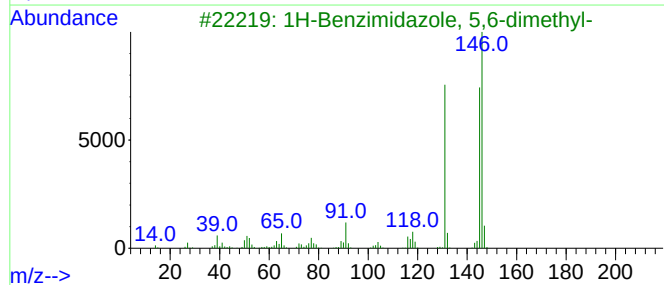
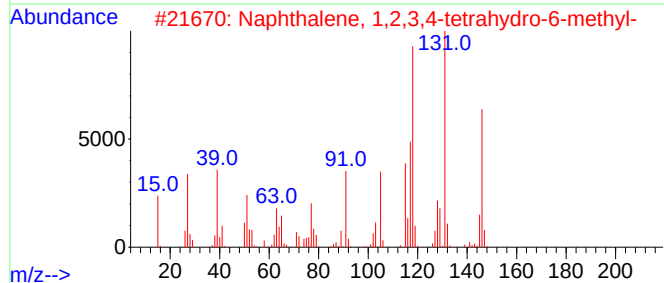
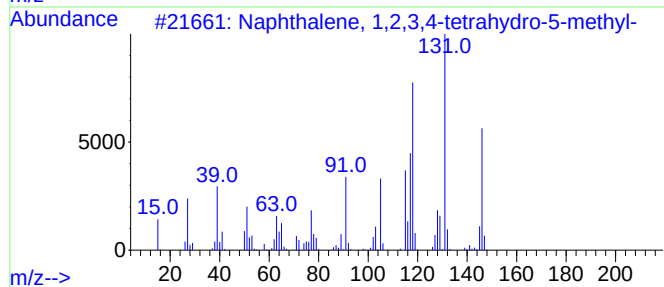
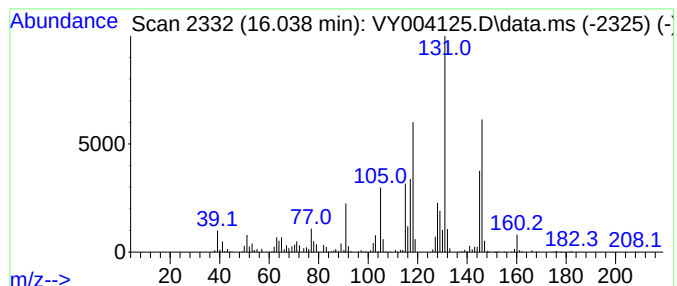
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Quant Title : SW846 8260

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

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

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.038 | 32.34 ug/l | 552660 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5 | 93   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001680-51-9 | 90   |
| 3    |    |   | 1H-Benzimidazole, 5,6-dimethyl-     | 146 | C9H10N2 | 000582-60-5 | 64   |
| 4    |    |   | 2-Propyn-1-ol, 3-(4-methylphenyl)-  | 146 | C10H10O | 016017-24-6 | 64   |
| 5    |    |   | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14  | 000769-57-3 | 62   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031821\  
Data File : VY004125.D  
Acq On : 18 Mar 2021 16:55  
Operator : SY/MD  
Sample : M1722-01  
Misc : 8.28g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-031821

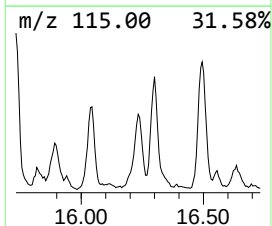
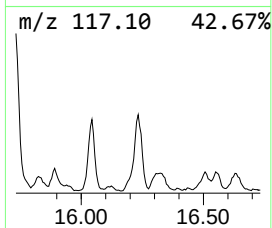
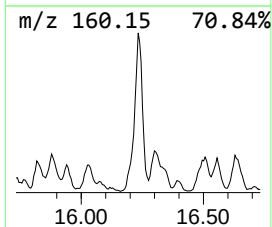
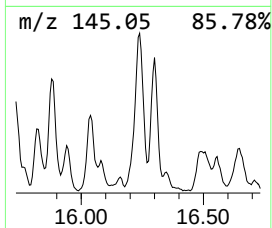
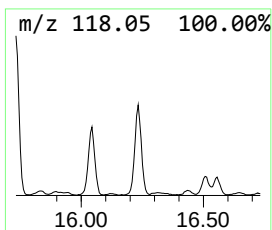
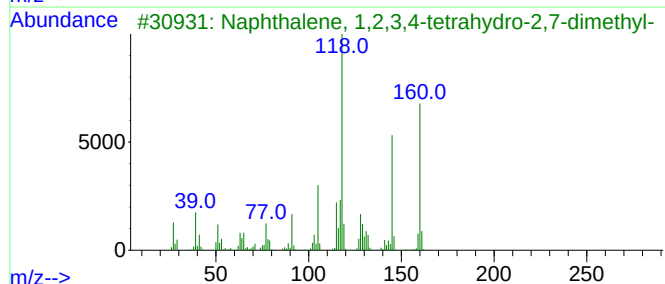
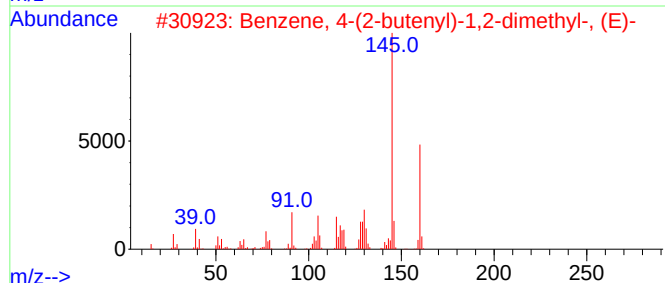
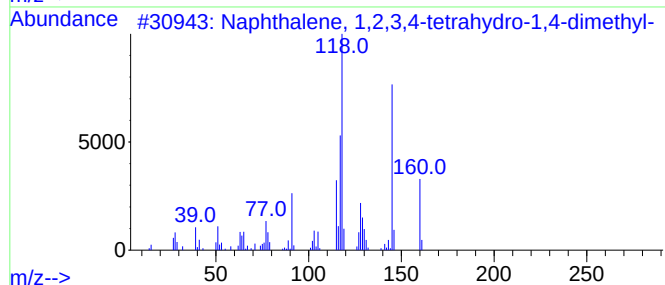
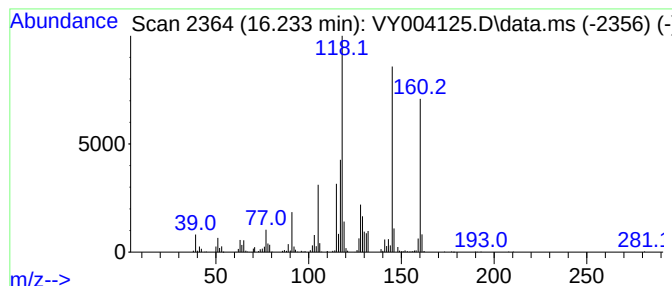
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Quant Title : SW846 8260

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

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Peak Number 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.233 | 28.25 ug/l | 482852 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 004175-54-6 | 95   |
| 2    |    |   | Benzene, 4-(2-butenyl)-1,2-dimet... | 160 | C12H16  | 054340-86-2 | 70   |
| 3    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 013065-07-1 | 70   |
| 4    |    |   | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16  | 014679-13-1 | 70   |
| 5    |    |   | Benzene, 1,2,4-trimethyl-5-(1-me... | 160 | C12H16  | 054340-84-0 | 70   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031821\  
Data File : VY004125.D  
Acq On : 18 Mar 2021 16:55  
Operator : SY/MD  
Sample : M1722-01  
Misc : 8.28g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-031821

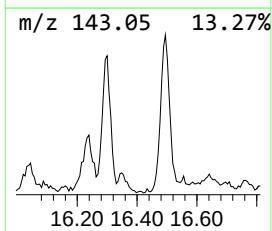
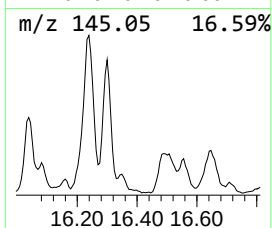
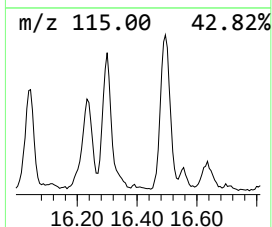
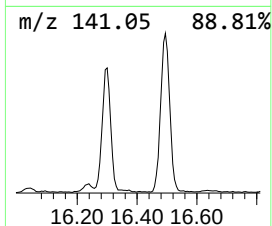
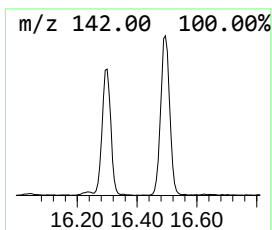
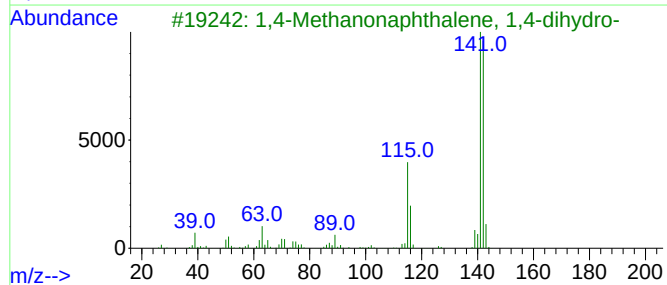
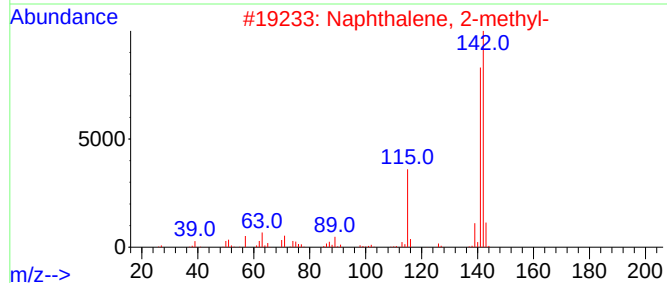
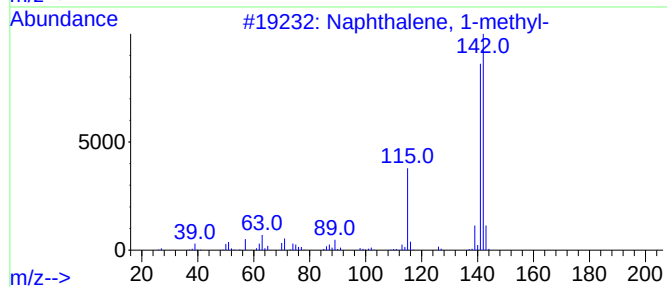
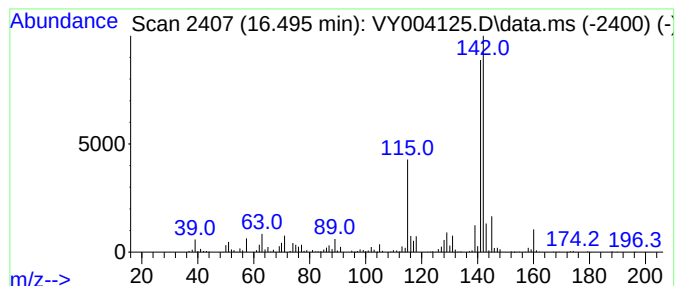
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.495 | 30.47 ug/l | 520748 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 95   |
| 2    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 95   |
| 3    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 91   |
| 4    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 90   |
| 5    |    |   | Spiro(9-methylenetricyclo[6.2.1.... | 184 | C13H12O | 033929-47-4 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031821\  
Data File : VY004125.D  
Acq On : 18 Mar 2021 16:55  
Operator : SY/MD  
Sample : M1722-01  
Misc : 8.28g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-031821

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.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, 2-ethe... | 14.568 | 29.2    | ug/l  | 499585   | 4                     | 13.428 | 854549 | 50.0 |
| Benzene, 1-ethe... | 14.690 | 78.6    | ug/l  | 1343560  | 4                     | 13.428 | 854549 | 50.0 |
| Naphthalene, 1,... | 14.836 | 38.6    | ug/l  | 659756   | 4                     | 13.428 | 854549 | 50.0 |
| 1H-Indene, 2,3-... | 15.062 | 31.4    | ug/l  | 536874   | 4                     | 13.428 | 854549 | 50.0 |
| Benzene, (2-met... | 15.355 | 30.2    | ug/l  | 515444   | 4                     | 13.428 | 854549 | 50.0 |
| 1H-Indene, 2,3-... | 15.531 | 25.9    | ug/l  | 441893   | 4                     | 13.428 | 854549 | 50.0 |
| Benzene, (1-met... | 15.733 | 52.6    | ug/l  | 899411   | 4                     | 13.428 | 854549 | 50.0 |
| Naphthalene, 1,... | 16.038 | 32.3    | ug/l  | 552660   | 4                     | 13.428 | 854549 | 50.0 |
| Naphthalene, 1,... | 16.233 | 28.3    | ug/l  | 482852   | 4                     | 13.428 | 854549 | 50.0 |
| Naphthalene, 1-... | 16.495 | 30.5    | ug/l  | 520748   | 4                     | 13.428 | 854549 | 50.0 |