

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042524\  
 Data File : VY018051.D  
 Acq On : 25 Apr 2024 15:17  
 Operator : SY/MD  
 Sample : P2261-03  
 Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RO-RBR200059

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\82Y041624S.M

Title : SW846 8260

Signal : TIC: VY018051.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         | 4.198       | 380           | 390         | 402          | rBV4     | 6268           | 21632         | 1.24%           | 0.110%        |
| 2         | 4.710       | 460           | 474         | 492          | rBV2     | 34302          | 117470        | 6.73%           | 0.597%        |
| 3         | 5.746       | 634           | 644         | 654          | rBV4     | 9853           | 30119         | 1.73%           | 0.153%        |
| 4         | 6.972       | 835           | 845         | 858          | rBV      | 20319          | 67023         | 3.84%           | 0.340%        |
| 5         | 7.715       | 954           | 967         | 972          | rBV      | 240316         | 573165        | 32.83%          | 2.911%        |
| 6         | 7.782       | 972           | 978         | 988          | rVV      | 379531         | 878295        | 50.31%          | 4.461%        |
| 7         | 7.868       | 988           | 992         | 1002         | rVB4     | 10038          | 24221         | 1.39%           | 0.123%        |
| 8         | 8.136       | 1026          | 1036        | 1049         | rVV      | 194371         | 439891        | 25.20%          | 2.234%        |
| 9         | 8.319       | 1053          | 1066        | 1076         | rVB2     | 39157          | 103841        | 5.95%           | 0.527%        |
| 10        | 8.685       | 1117          | 1126        | 1149         | rBV      | 613743         | 1241568       | 71.12%          | 6.306%        |
| 11        | 9.179       | 1195          | 1207        | 1213         | rBV6     | 17447          | 45652         | 2.62%           | 0.232%        |
| 12        | 9.611       | 1269          | 1278        | 1286         | rBV      | 54255          | 112300        | 6.43%           | 0.570%        |
| 13        | 9.745       | 1291          | 1300        | 1307         | rBV      | 70151          | 152574        | 8.74%           | 0.775%        |
| 14        | 10.111      | 1355          | 1360        | 1364         | rBV      | 23409          | 38377         | 2.20%           | 0.195%        |
| 15        | 10.178      | 1364          | 1371        | 1384         | rVB      | 1022753        | 1745724       | 100.00%         | 8.867%        |
| 16        | 10.373      | 1394          | 1403        | 1409         | rVB      | 8468           | 26000         | 1.49%           | 0.132%        |
| 17        | 10.904      | 1486          | 1490        | 1493         | rBV3     | 12730          | 20300         | 1.16%           | 0.103%        |
| 18        | 10.947      | 1493          | 1497        | 1504         | rVB2     | 18285          | 33438         | 1.92%           | 0.170%        |
| 19        | 11.093      | 1515          | 1521        | 1527         | rVB2     | 16106          | 28036         | 1.61%           | 0.142%        |
| 20        | 11.379      | 1563          | 1568        | 1572         | rBV2     | 23430          | 41406         | 2.37%           | 0.210%        |
| 21        | 11.489      | 1579          | 1586        | 1595         | rBV      | 938847         | 1577263       | 90.35%          | 8.012%        |
| 22        | 11.568      | 1595          | 1599        | 1606         | rVV3     | 16388          | 33027         | 1.89%           | 0.168%        |
| 23        | 11.684      | 1613          | 1618        | 1621         | rBV5     | 12256          | 26904         | 1.54%           | 0.137%        |
| 24        | 11.745      | 1623          | 1628        | 1632         | rVB3     | 26519          | 46024         | 2.64%           | 0.234%        |
| 25        | 11.898      | 1647          | 1653        | 1656         | rBV6     | 12166          | 24730         | 1.42%           | 0.126%        |
| 26        | 11.940      | 1656          | 1660        | 1664         | rVV4     | 18479          | 29866         | 1.71%           | 0.152%        |
| 27        | 12.007      | 1665          | 1671        | 1677         | rVV5     | 35655          | 74621         | 4.27%           | 0.379%        |
| 28        | 12.123      | 1686          | 1690        | 1694         | rVB      | 30475          | 46048         | 2.64%           | 0.234%        |
| 29        | 12.202      | 1694          | 1703        | 1707         | rBV6     | 42876          | 98408         | 5.64%           | 0.500%        |
| 30        | 12.483      | 1741          | 1749        | 1758         | rBV3     | 774183         | 1358321       | 77.81%          | 6.899%        |
| 31        | 12.568      | 1759          | 1763        | 1768         | rVV4     | 27574          | 55744         | 3.19%           | 0.283%        |
| 32        | 12.647      | 1768          | 1776        | 1784         | rVB6     | 49514          | 169309        | 9.70%           | 0.860%        |
| 33        | 12.818      | 1797          | 1804        | 1816         | rBV9     | 37702          | 136847        | 7.84%           | 0.695%        |
| 34        | 12.952      | 1822          | 1826        | 1830         | rBV6     | 23106          | 29910         | 1.71%           | 0.152%        |
| 35        | 13.007      | 1830          | 1835        | 1838         | rBV3     | 30500          | 48184         | 2.76%           | 0.245%        |
| 36        | 13.044      | 1838          | 1841        | 1843         | rBV2     | 37308          | 45119         | 2.58%           | 0.229%        |

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 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RO-RBR200059

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\82Y041624S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 37 | 13.172 | 1858 | 1862 | 1868 | rVB4 | 47648  | 80571   | 4.62%  | 0.409% |
| 38 | 13.257 | 1868 | 1876 | 1877 | rBV5 | 41153  | 99400   | 5.69%  | 0.505% |
| 39 | 13.288 | 1878 | 1881 | 1885 | rVB2 | 51383  | 71136   | 4.07%  | 0.361% |
| 40 | 13.367 | 1890 | 1894 | 1897 | rBV2 | 24583  | 30593   | 1.75%  | 0.155% |
| 41 | 13.428 | 1897 | 1904 | 1909 | rBV  | 890427 | 1349644 | 77.31% | 6.855% |
| 42 | 13.483 | 1909 | 1913 | 1923 | rVB2 | 87291  | 196664  | 11.27% | 0.999% |
| 43 | 13.592 | 1927 | 1931 | 1936 | rBV  | 202444 | 290940  | 16.67% | 1.478% |
| 44 | 13.678 | 1942 | 1945 | 1947 | rBV  | 44425  | 54593   | 3.13%  | 0.277% |
| 45 | 13.757 | 1952 | 1958 | 1962 | rBV3 | 105907 | 186956  | 10.71% | 0.950% |
| 46 | 13.903 | 1977 | 1982 | 1987 | rVB2 | 78980  | 127136  | 7.28%  | 0.646% |
| 47 | 13.976 | 1988 | 1994 | 1999 | rBV  | 389337 | 625522  | 35.83% | 3.177% |
| 48 | 14.080 | 2006 | 2011 | 2016 | rVB3 | 191135 | 331183  | 18.97% | 1.682% |
| 49 | 14.159 | 2016 | 2024 | 2028 | rBV5 | 129206 | 265583  | 15.21% | 1.349% |
| 50 | 14.300 | 2037 | 2047 | 2055 | rVB3 | 412432 | 851418  | 48.77% | 4.325% |
| 51 | 14.379 | 2055 | 2060 | 2064 | rBV  | 274368 | 430016  | 24.63% | 2.184% |
| 52 | 14.458 | 2070 | 2073 | 2075 | rBV  | 43463  | 55650   | 3.19%  | 0.283% |
| 53 | 14.482 | 2075 | 2077 | 2080 | rVB2 | 31481  | 32579   | 1.87%  | 0.165% |
| 54 | 14.568 | 2087 | 2091 | 2096 | rBV4 | 140318 | 238618  | 13.67% | 1.212% |
| 55 | 14.617 | 2096 | 2099 | 2103 | rVB  | 113461 | 146865  | 8.41%  | 0.746% |
| 56 | 14.684 | 2103 | 2110 | 2115 | rBV5 | 215232 | 470283  | 26.94% | 2.389% |
| 57 | 14.739 | 2115 | 2119 | 2125 | rVV  | 215034 | 363728  | 20.84% | 1.848% |
| 58 | 14.793 | 2125 | 2128 | 2135 | rVB5 | 54133  | 102875  | 5.89%  | 0.523% |
| 59 | 14.879 | 2138 | 2142 | 2144 | rBV5 | 30210  | 51421   | 2.95%  | 0.261% |
| 60 | 14.946 | 2144 | 2153 | 2157 | rVV  | 479115 | 846836  | 48.51% | 4.301% |
| 61 | 14.982 | 2157 | 2159 | 2162 | rVV  | 107232 | 157208  | 9.01%  | 0.799% |
| 62 | 15.056 | 2166 | 2171 | 2177 | rVB2 | 358681 | 682366  | 39.09% | 3.466% |
| 63 | 15.214 | 2191 | 2197 | 2205 | rVB7 | 99201  | 215585  | 12.35% | 1.095% |
| 64 | 15.299 | 2205 | 2211 | 2213 | rBV3 | 53529  | 103888  | 5.95%  | 0.528% |
| 65 | 15.348 | 2215 | 2219 | 2223 | rVV2 | 97035  | 182071  | 10.43% | 0.925% |
| 66 | 15.397 | 2223 | 2227 | 2231 | rVB2 | 69874  | 110423  | 6.33%  | 0.561% |
| 67 | 15.531 | 2243 | 2249 | 2255 | rBV  | 172062 | 351458  | 20.13% | 1.785% |
| 68 | 15.690 | 2265 | 2275 | 2286 | rBV5 | 83502  | 345686  | 19.80% | 1.756% |
| 69 | 15.818 | 2291 | 2296 | 2301 | rVB  | 111410 | 193888  | 11.11% | 0.985% |
| 70 | 15.885 | 2301 | 2307 | 2313 | rBV4 | 89216  | 207339  | 11.88% | 1.053% |
| 71 | 16.031 | 2325 | 2331 | 2336 | rBV3 | 45913  | 95100   | 5.45%  | 0.483% |
| 72 | 16.202 | 2355 | 2359 | 2361 | rBV3 | 17482  | 29006   | 1.66%  | 0.147% |
| 73 | 16.293 | 2370 | 2374 | 2379 | rVV2 | 14983  | 29107   | 1.67%  | 0.148% |
| 74 | 16.348 | 2379 | 2383 | 2389 | rVB5 | 19407  | 37294   | 2.14%  | 0.189% |
| 75 | 16.488 | 2399 | 2406 | 2419 | rVB8 | 34209  | 105272  | 6.03%  | 0.535% |

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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-RBR200059

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\82Y041624S.M

Title : SW846 8260

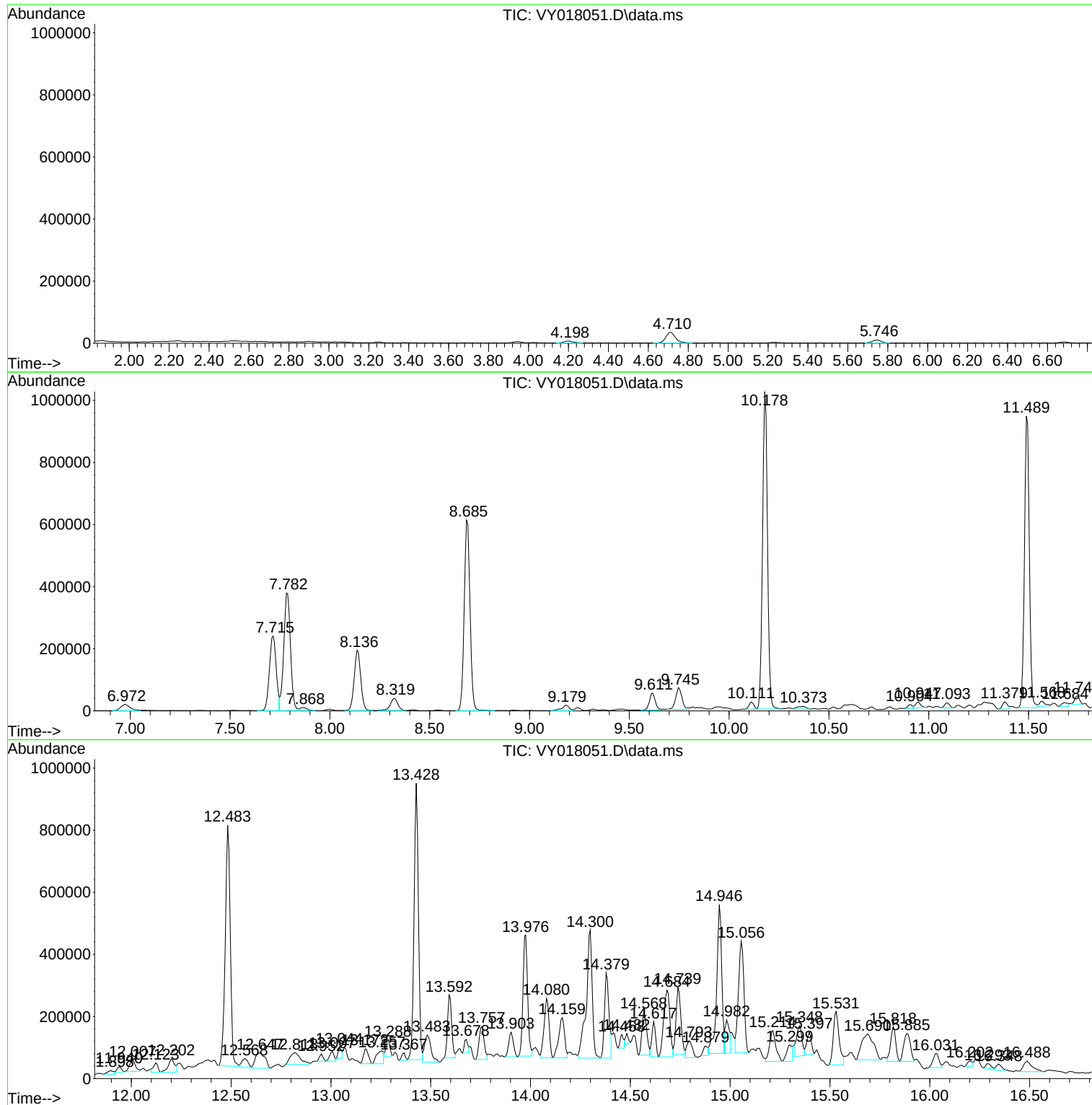
Sum of corrected areas: 19687258

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042524\  
Data File : VY018051.D  
Acq On : 25 Apr 2024 15:17  
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Instrument :  
MSVOA\_Y  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042524\  
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Sample : P2261-03  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-RBR200059

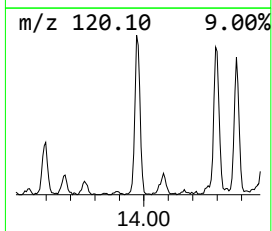
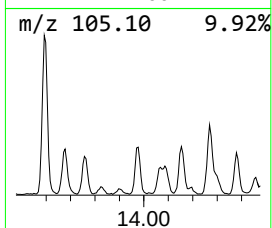
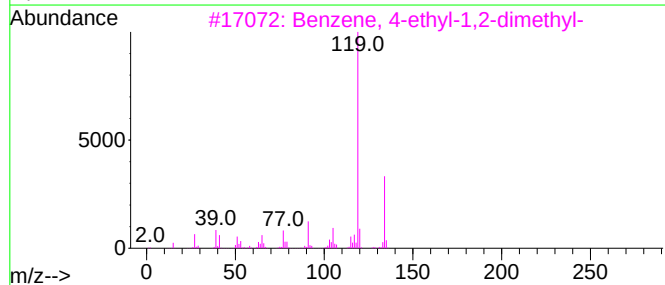
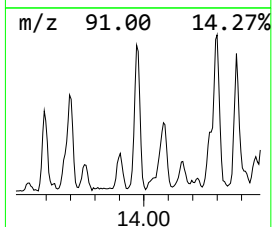
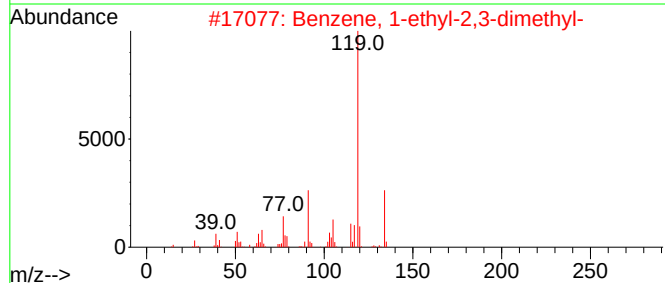
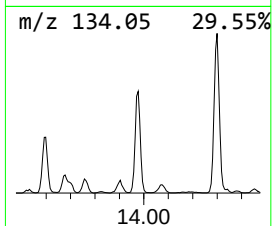
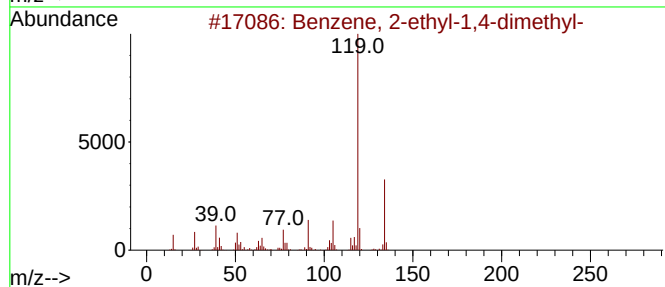
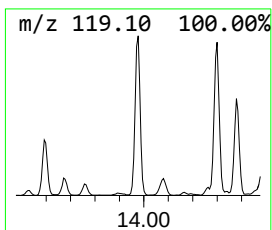
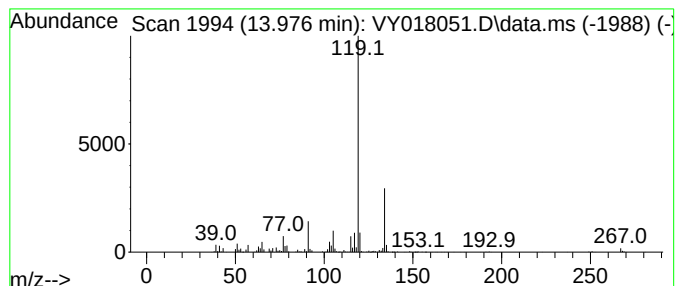
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.977 | 23.17 ug/l | 625522 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 97   |
| 2    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 96   |
| 3    |    |   | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 95   |
| 4    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |
| 5    |    |   | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 94   |



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-RBR200059

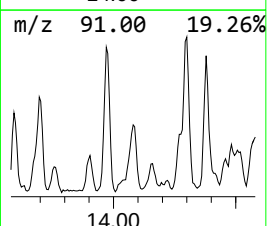
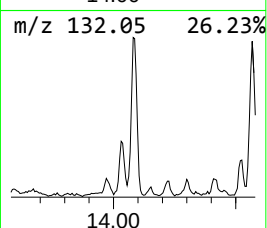
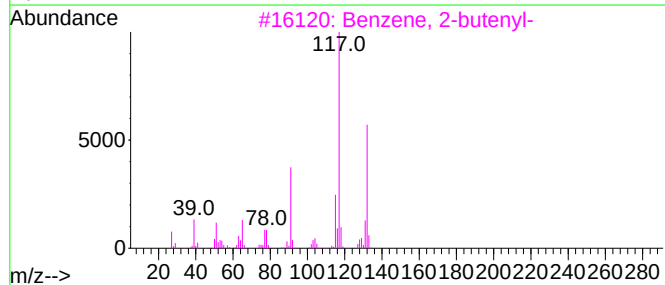
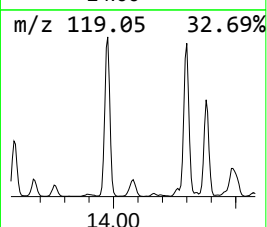
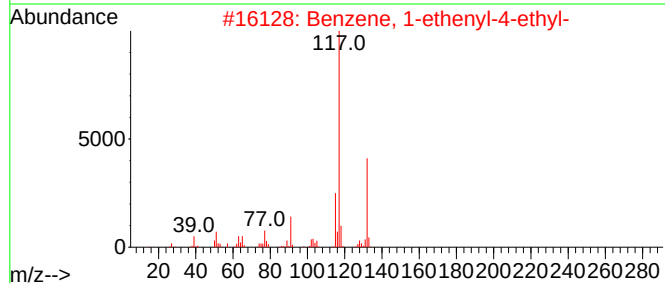
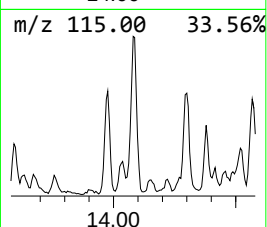
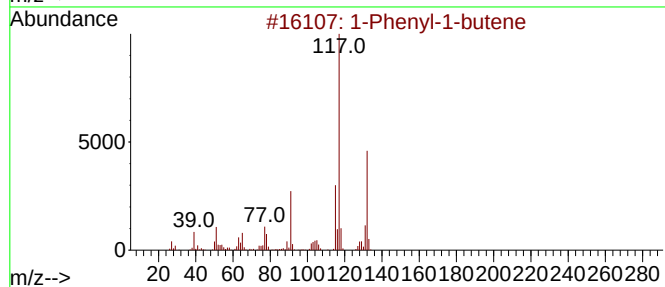
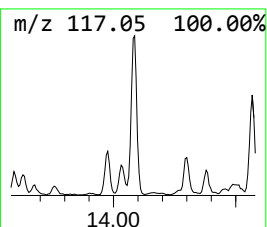
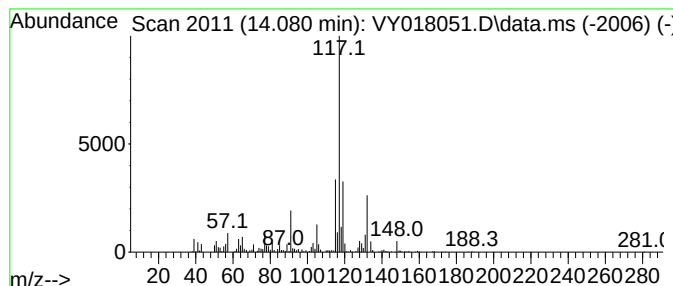
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 1-Phenyl-1-butene Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.080 | 12.27 ug/l | 331183 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------------|-----|---------|-------------|------|
| 1    |      | 1-Phenyl-1-butene           | 132 | C10H12  | 000824-90-8 | 74   |
| 2    |      | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12  | 003454-07-7 | 74   |
| 3    |      | Benzene, 2-butenyl-         | 132 | C10H12  | 001560-06-1 | 72   |
| 4    |      | 3-Phenylbut-1-ene           | 132 | C10H12  | 000934-10-1 | 72   |
| 5    |      | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12  | 007525-62-4 | 72   |



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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-RBR200059

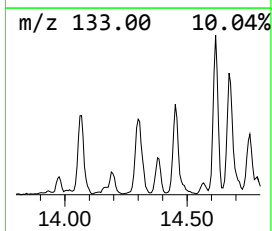
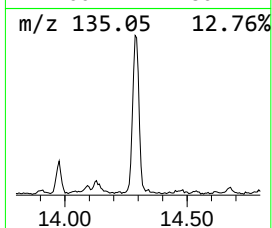
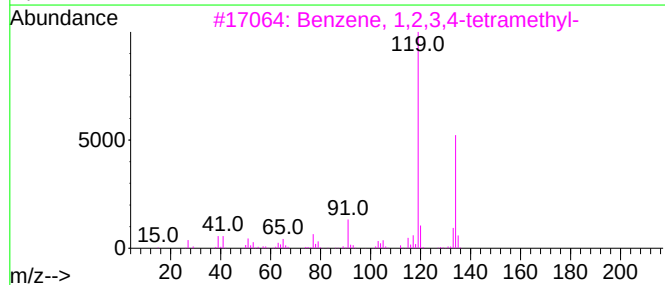
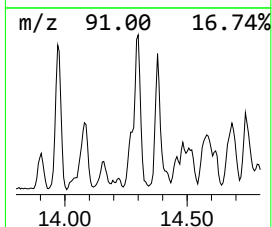
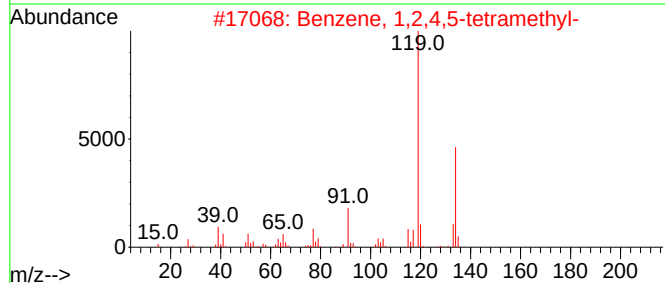
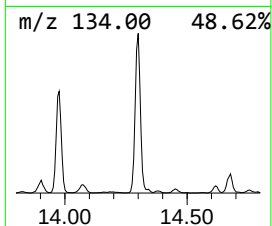
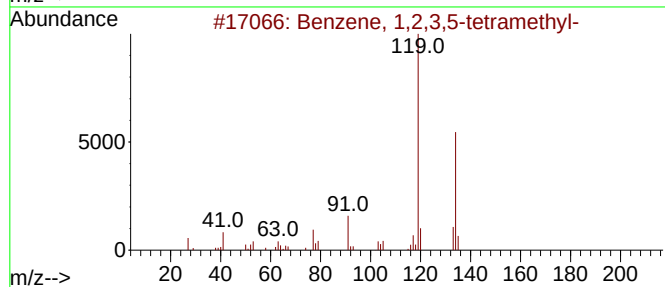
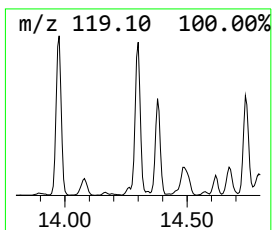
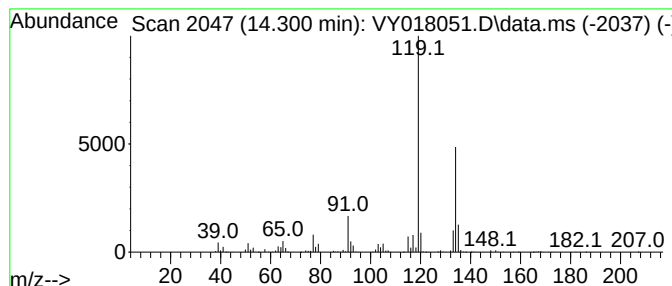
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.300 | 31.54 ug/l | 851418 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 94   |
| 2    |    |   | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 94   |
| 3    |    |   | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 94   |
| 4    |    |   | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 91   |
| 5    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042524\  
Data File : VY018051.D  
Acq On : 25 Apr 2024 15:17  
Operator : SY/MD  
Sample : P2261-03  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-RBR200059

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
Quant Title : SW846 8260

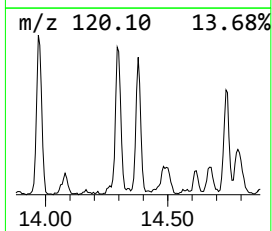
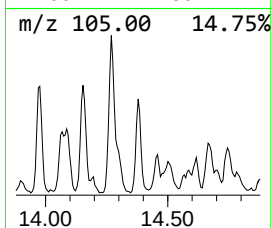
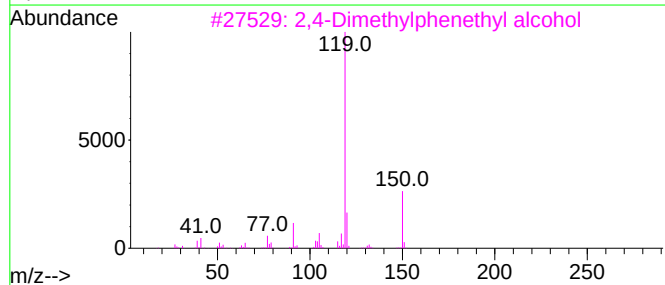
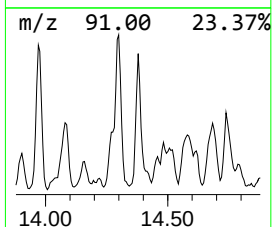
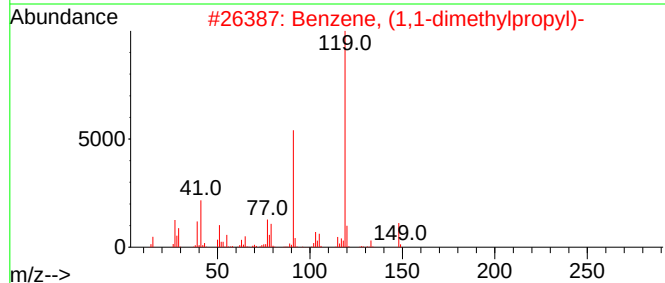
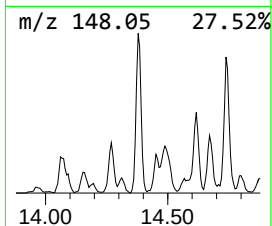
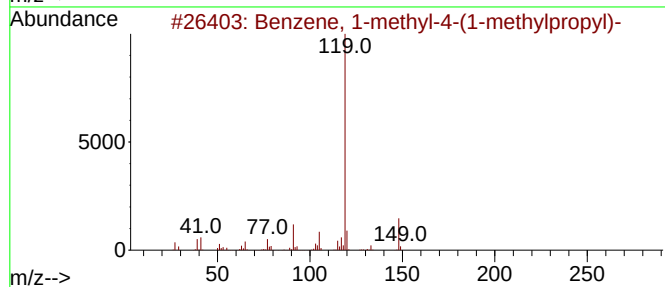
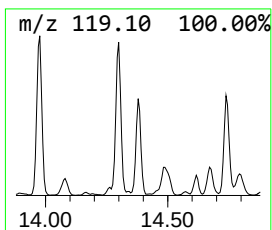
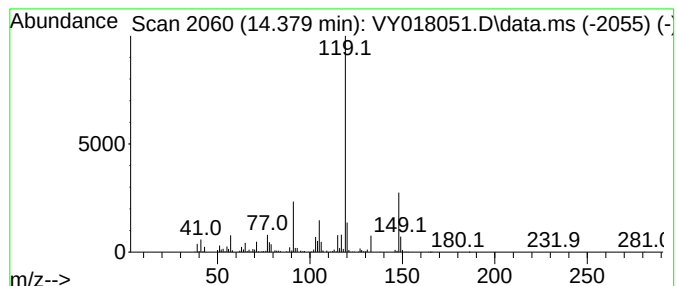
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Benzene, 1-methyl-4-(1-meth... Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.379 | 15.93 ug/l | 430016 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16  | 001595-16-0 | 90   |
| 2    |    |   | Benzene, (1,1-dimethylpropyl)-      | 148 | C11H16  | 002049-95-8 | 80   |
| 3    |    |   | 2,4-Dimethylphenethyl alcohol       | 150 | C10H14O | 006597-59-7 | 68   |
| 4    |    |   | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 64   |
| 5    |    |   | Benzene, 1-ethyl-3,5-dimethyl-      | 134 | C10H14  | 000934-74-7 | 64   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042524\  
Data File : VY018051.D  
Acq On : 25 Apr 2024 15:17  
Operator : SY/MD  
Sample : P2261-03  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-RBR200059

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
Quant Title : SW846 8260

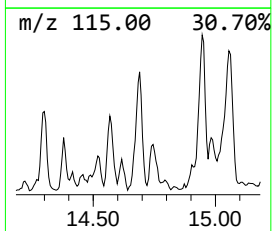
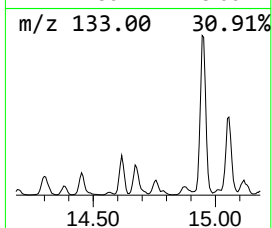
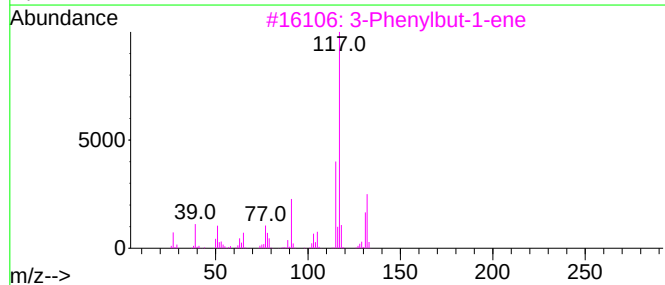
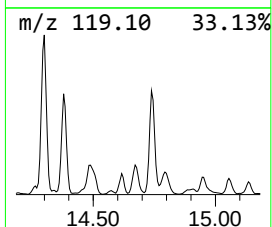
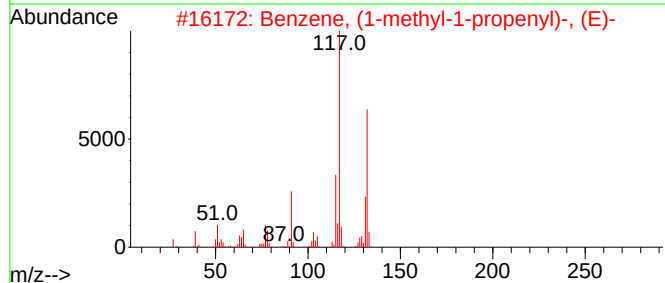
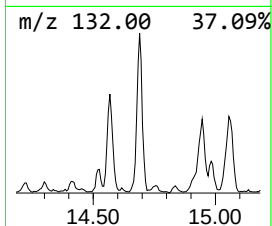
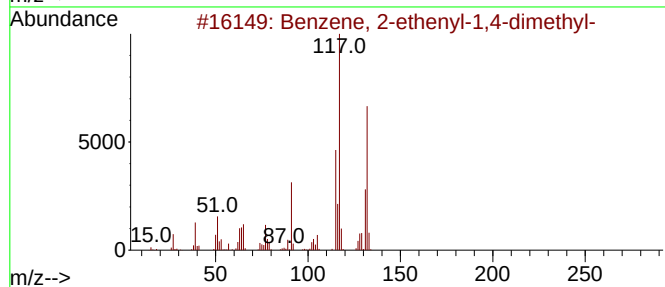
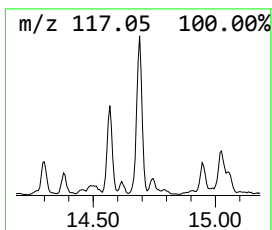
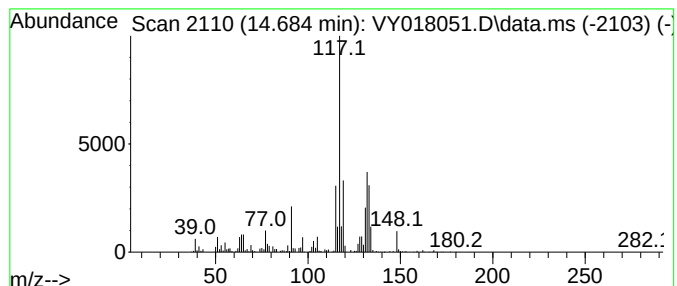
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.684 | 17.42 ug/l | 470283 | 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 | 91   |
| 2    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 76   |
| 3    |    |   | 3-Phenylbut-1-ene                   | 132 | C10H12  | 000934-10-1 | 70   |
| 4    |    |   | Benzene, 1-ethenyl-4-ethyl-         | 132 | C10H12  | 003454-07-7 | 64   |
| 5    |    |   | Benzene, 1-methyl-2-(2-propenyl)-   | 132 | C10H12  | 001587-04-8 | 62   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042524\  
Data File : VY018051.D  
Acq On : 25 Apr 2024 15:17  
Operator : SY/MD  
Sample : P2261-03  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-RBR200059

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
Quant Title : SW846 8260

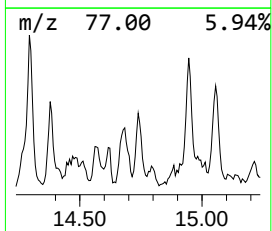
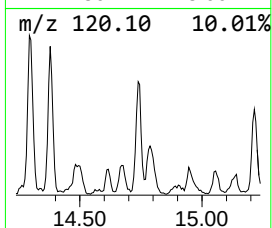
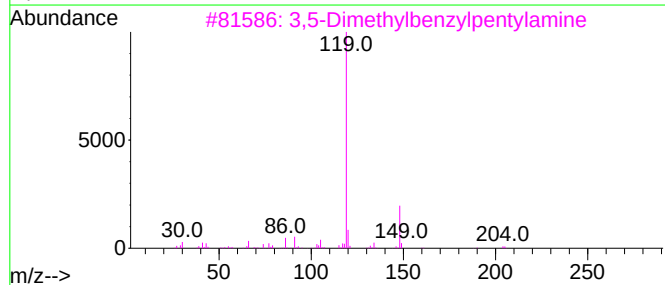
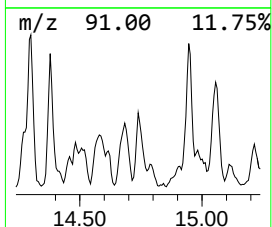
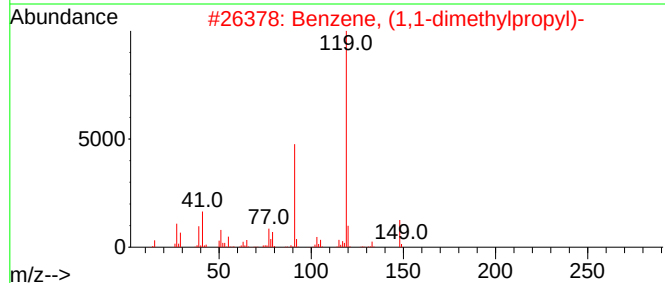
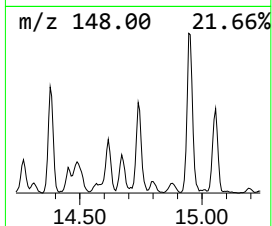
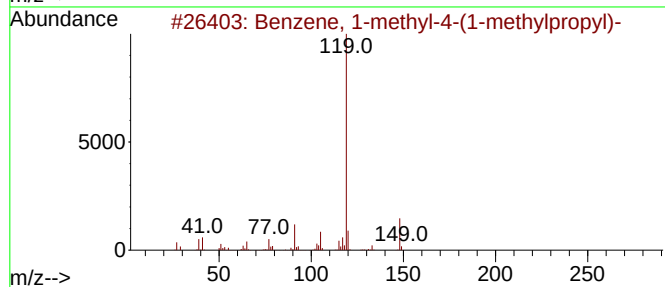
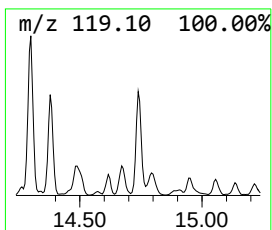
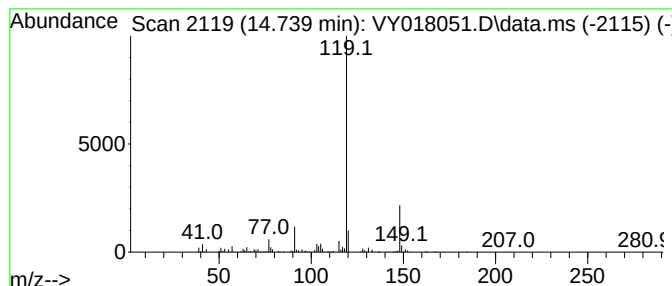
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzene, (1,1-dimethylpropyl)- Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.739 | 13.48 ug/l | 363728 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16      | 001595-16-0  | 87   |
| 2    |    |   | Benzene, (1,1-dimethylpropyl)-      | 148 | C11H16      | 002049-95-8  | 86   |
| 3    |    |   | 3,5-Dimethylbenzylpentylamine       | 205 | C14H23N     | 1000491-60-8 | 72   |
| 4    |    |   | Benzene, 2-ethyl-1,3-dimethyl-      | 134 | C10H14      | 002870-04-4  | 59   |
| 5    |    |   | 4-Methylbenzoic acid, 2-formyl-4... | 308 | C15H10Cl2O3 | 1000331-36-6 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042524\  
Data File : VY018051.D  
Acq On : 25 Apr 2024 15:17  
Operator : SY/MD  
Sample : P2261-03  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-RBR200059

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
Quant Title : SW846 8260

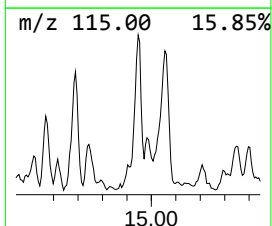
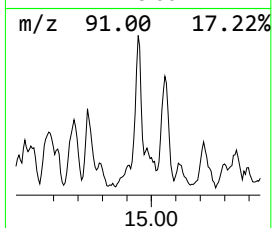
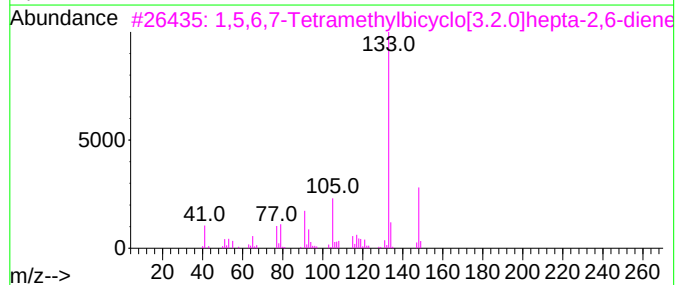
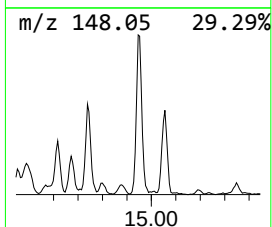
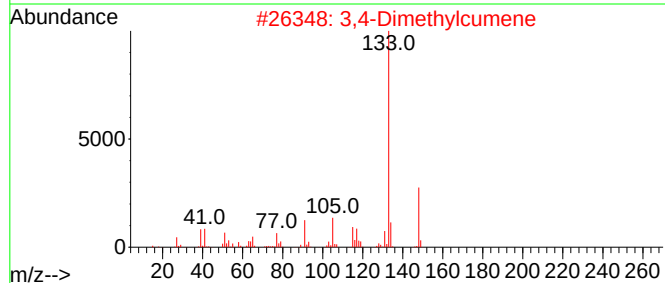
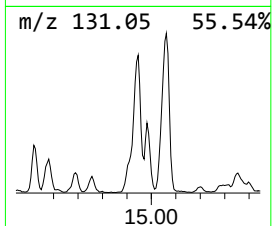
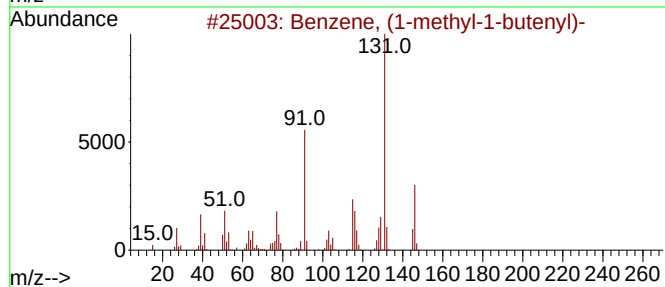
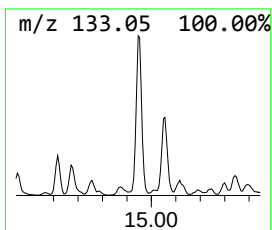
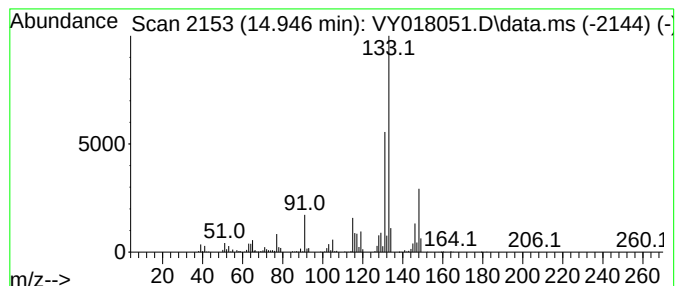
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.946 | 31.37 ug/l | 846836 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                                     | MW  | MolForm | CAS#         | Qual |
|------|----|---|--------------------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Benzene, (1-methyl-1-butenyl)-                   | 146 | C11H14  | 053172-84-2  | 60   |
| 2    |    |   | 3,4-Dimethylcumene                               | 148 | C11H16  | 1000370-34-1 | 52   |
| 3    |    |   | 1,5,6,7-Tetramethylbicyclo[3.2.0]hepta-2,6-diene | 148 | C11H16  | 134329-46-7  | 52   |
| 4    |    |   | m-Ethylacetophenone                              | 148 | C10H12O | 022699-70-3  | 49   |
| 5    |    |   | 4-tert-Butyltoluene                              | 148 | C11H16  | 000098-51-1  | 49   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042524\  
Data File : VY018051.D  
Acq On : 25 Apr 2024 15:17  
Operator : SY/MD  
Sample : P2261-03  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-RBR200059

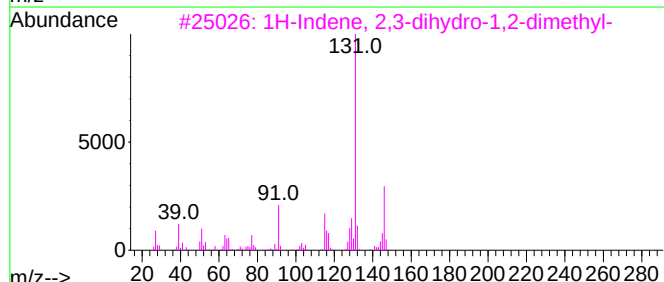
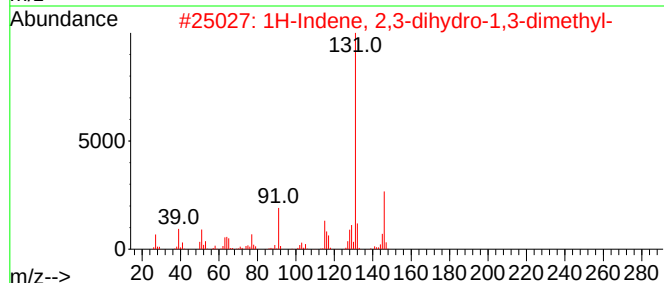
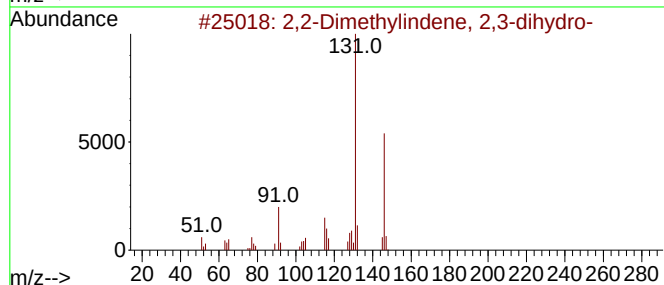
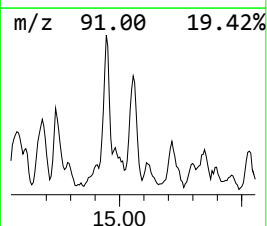
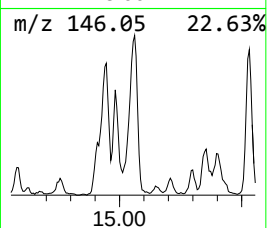
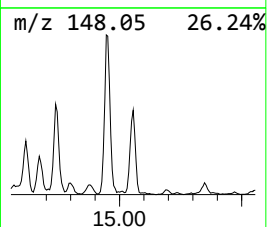
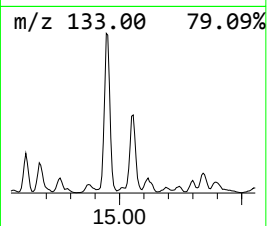
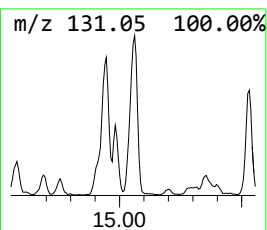
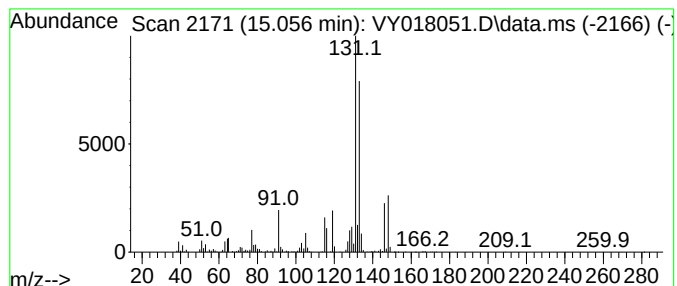
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 2,2-Dimethylindene, 2,3-dih... Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.056 | 25.28 ug/l | 682366 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 50   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 50   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 50   |
| 4    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001559-81-5 | 50   |
| 5    |    |   | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14  | 000769-57-3 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042524\  
Data File : VY018051.D  
Acq On : 25 Apr 2024 15:17  
Operator : SY/MD  
Sample : P2261-03  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-RBR200059

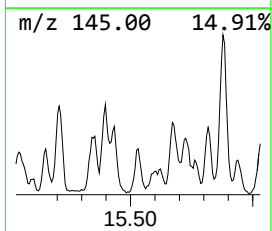
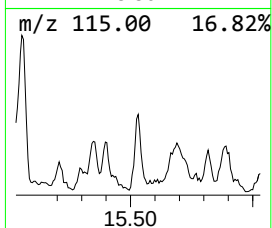
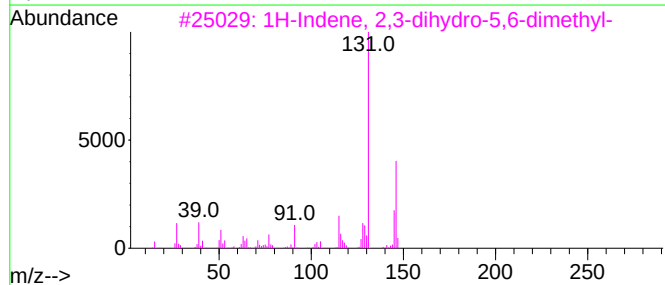
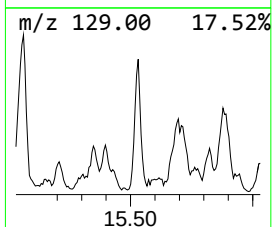
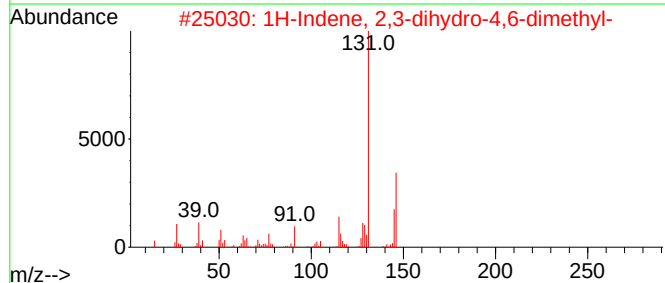
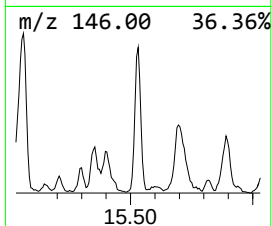
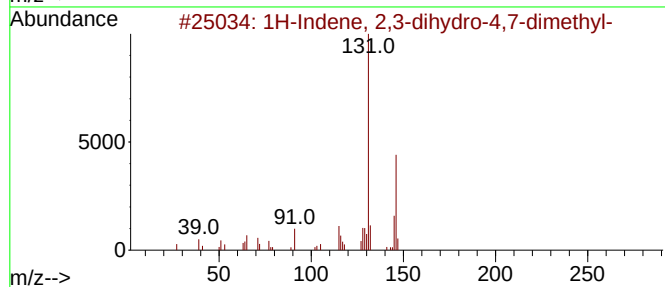
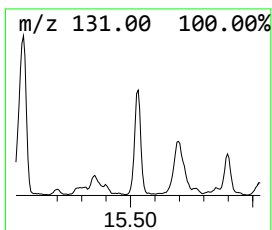
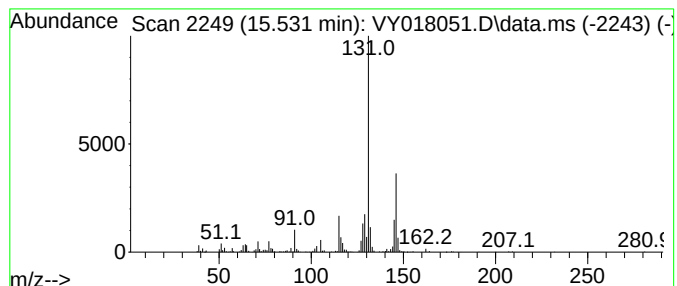
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.531 | 13.02 ug/l | 351458 | 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 | 97      |      |      |
| 2    | 1H-Indene, 2,3-dihydro-4,6-dimet... | 146 | C11H14       | 001685-82-1 | 95      |      |      |
| 3    | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14       | 001075-22-5 | 95      |      |      |
| 4    | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14       | 004175-53-5 | 95      |      |      |
| 5    | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14       | 017057-82-8 | 94      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042524\  
Data File : VY018051.D  
Acq On : 25 Apr 2024 15:17  
Operator : SY/MD  
Sample : P2261-03  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-RBR200059

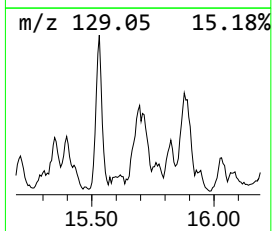
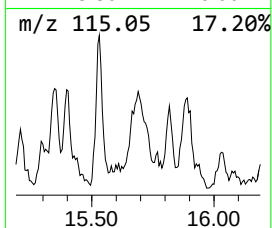
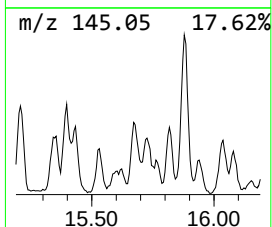
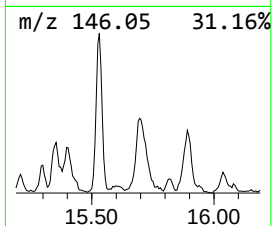
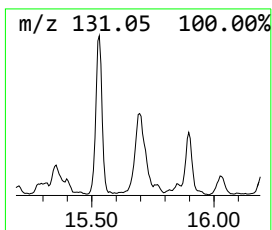
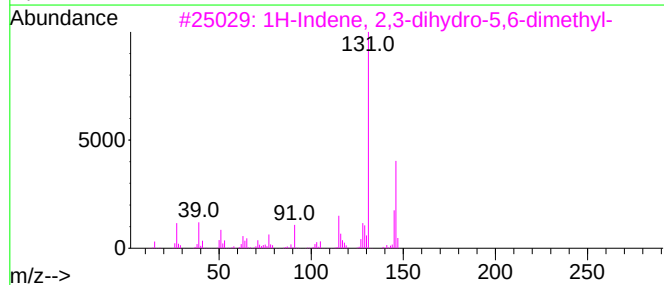
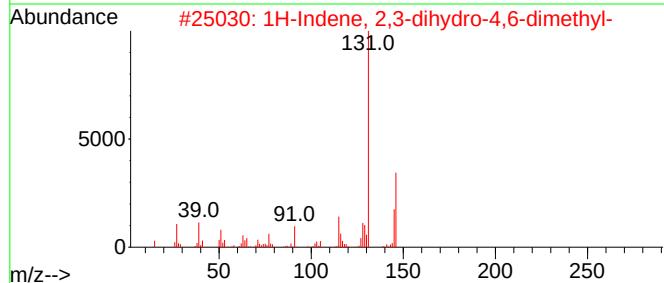
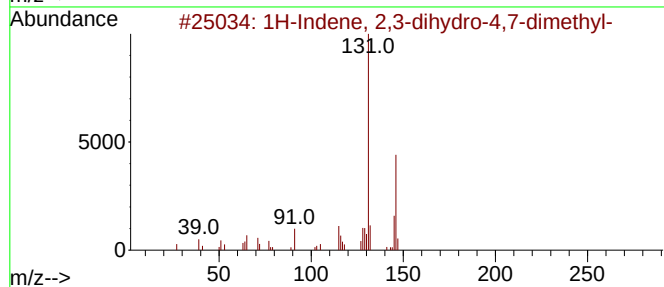
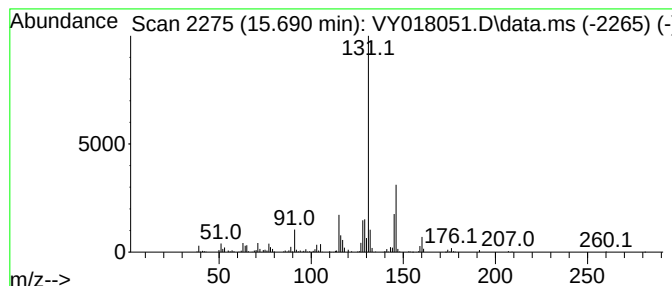
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 1H-Indene, 2,3-dihydro-4,6-... Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.690 | 12.81 ug/l | 345686 | 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-4,6-dimet... | 146 | C11H14  | 001685-82-1 | 93   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14  | 001075-22-5 | 93   |
| 4    |    |   | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 90   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042524\  
Data File : VY018051.D  
Acq On : 25 Apr 2024 15:17  
Operator : SY/MD  
Sample : P2261-03  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-RBR200059

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Benzene, 2-ethy... | 13.977 | 23.2    | ug/l  | 625522   | 4                     | 13.428 | 1349640 | 50.0 |
| 1-Phenyl-1-butene  | 14.080 | 12.3    | ug/l  | 331183   | 4                     | 13.428 | 1349640 | 50.0 |
| Benzene, 1,2,3,... | 14.300 | 31.5    | ug/l  | 851418   | 4                     | 13.428 | 1349640 | 50.0 |
| Benzene, 1-meth... | 14.379 | 15.9    | ug/l  | 430016   | 4                     | 13.428 | 1349640 | 50.0 |
| Benzene, 2-ethe... | 14.684 | 17.4    | ug/l  | 470283   | 4                     | 13.428 | 1349640 | 50.0 |
| Benzene, (1,1-d... | 14.739 | 13.5    | ug/l  | 363728   | 4                     | 13.428 | 1349640 | 50.0 |
| Benzene, (1-met... | 14.946 | 31.4    | ug/l  | 846836   | 4                     | 13.428 | 1349640 | 50.0 |
| 2,2-Dimethylind... | 15.056 | 25.3    | ug/l  | 682366   | 4                     | 13.428 | 1349640 | 50.0 |
| 1H-Indene, 2,3-... | 15.531 | 13.0    | ug/l  | 351458   | 4                     | 13.428 | 1349640 | 50.0 |
| 1H-Indene, 2,3-... | 15.690 | 12.8    | ug/l  | 345686   | 4                     | 13.428 | 1349640 | 50.0 |