

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY083024\  
 Data File : VY019396.D  
 Acq On : 30 Aug 2024 15:26  
 Operator : SY/MD  
 Sample : P3727-03  
 Misc : 3.26g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MH-21-VOC

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\82Y082924S.M

Title : SW846 8260

Signal : TIC: VY019396.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         | 4.604       | 463           | 473         | 482          | rBV3     | 4553           | 13160         | 1.10%           | 0.061%        |
| 2         | 7.628       | 959           | 969         | 975          | rBV2     | 95228          | 237562        | 19.86%          | 1.105%        |
| 3         | 7.701       | 975           | 981         | 992          | rVB      | 153682         | 347413        | 29.05%          | 1.616%        |
| 4         | 8.055       | 1029          | 1039        | 1051         | rBV      | 86602          | 192618        | 16.11%          | 0.896%        |
| 5         | 8.610       | 1121          | 1130        | 1140         | rBV      | 304494         | 573932        | 47.99%          | 2.670%        |
| 6         | 10.103      | 1368          | 1375        | 1383         | rBV      | 416711         | 713228        | 59.64%          | 3.317%        |
| 7         | 11.018      | 1518          | 1525        | 1530         | rBV2     | 18062          | 30997         | 2.59%           | 0.144%        |
| 8         | 11.225      | 1553          | 1559        | 1568         | rVB2     | 17936          | 34329         | 2.87%           | 0.160%        |
| 9         | 11.414      | 1583          | 1590        | 1601         | rBV      | 470283         | 770011        | 64.39%          | 3.582%        |
| 10        | 11.554      | 1607          | 1613        | 1617         | rBV2     | 17813          | 27607         | 2.31%           | 0.128%        |
| 11        | 11.609      | 1617          | 1622        | 1626         | rBV2     | 17368          | 36017         | 3.01%           | 0.168%        |
| 12        | 11.670      | 1627          | 1632        | 1642         | rVB6     | 20177          | 65860         | 5.51%           | 0.306%        |
| 13        | 11.768      | 1642          | 1648        | 1651         | rBV3     | 14127          | 27101         | 2.27%           | 0.126%        |
| 14        | 11.822      | 1651          | 1657        | 1660         | rVB4     | 9188           | 13624         | 1.14%           | 0.063%        |
| 15        | 11.926      | 1667          | 1674        | 1680         | rBV4     | 69483          | 177331        | 14.83%          | 0.825%        |
| 16        | 12.011      | 1686          | 1688        | 1691         | rBV2     | 10446          | 13144         | 1.10%           | 0.061%        |
| 17        | 12.048      | 1691          | 1694        | 1698         | rVB      | 30243          | 38042         | 3.18%           | 0.177%        |
| 18        | 12.091      | 1698          | 1701        | 1702         | rBV      | 17033          | 18875         | 1.58%           | 0.088%        |
| 19        | 12.133      | 1702          | 1708        | 1709         | rBV3     | 75334          | 118098        | 9.87%           | 0.549%        |
| 20        | 12.158      | 1709          | 1712        | 1717         | rVB3     | 86037          | 144301        | 12.07%          | 0.671%        |
| 21        | 12.249      | 1717          | 1727        | 1733         | rBV10    | 53370          | 192462        | 16.09%          | 0.895%        |
| 22        | 12.310      | 1733          | 1737        | 1740         | rBV5     | 14211          | 18667         | 1.56%           | 0.087%        |
| 23        | 12.347      | 1740          | 1743        | 1747         | rVB3     | 42457          | 61757         | 5.16%           | 0.287%        |
| 24        | 12.408      | 1747          | 1753        | 1758         | rBV      | 369333         | 574203        | 48.01%          | 2.671%        |
| 25        | 12.493      | 1758          | 1767        | 1771         | rBV9     | 65985          | 196313        | 16.41%          | 0.913%        |
| 26        | 12.566      | 1771          | 1779        | 1786         | rVB3     | 278661         | 613165        | 51.27%          | 2.852%        |
| 27        | 12.658      | 1786          | 1794        | 1800         | rBV5     | 139358         | 416828        | 34.85%          | 1.939%        |
| 28        | 12.737      | 1800          | 1807        | 1811         | rBV5     | 226291         | 491731        | 41.12%          | 2.287%        |
| 29        | 12.877      | 1825          | 1830        | 1833         | rBV4     | 100836         | 157477        | 13.17%          | 0.732%        |
| 30        | 12.932      | 1833          | 1839        | 1840         | rVV3     | 47422          | 92060         | 7.70%           | 0.428%        |
| 31        | 12.962      | 1840          | 1844        | 1853         | rVB2     | 327912         | 551517        | 46.12%          | 2.565%        |
| 32        | 13.048      | 1853          | 1858        | 1862         | rBV6     | 74666          | 150391        | 12.58%          | 0.700%        |
| 33        | 13.090      | 1862          | 1865        | 1873         | rVV8     | 84865          | 192601        | 16.10%          | 0.896%        |
| 34        | 13.170      | 1876          | 1878        | 1882         | rVB2     | 59738          | 66683         | 5.58%           | 0.310%        |
| 35        | 13.237      | 1882          | 1889        | 1893         | rBV5     | 213952         | 506504        | 42.35%          | 2.356%        |
| 36        | 13.286      | 1893          | 1897        | 1900         | rVB6     | 82527          | 122198        | 10.22%          | 0.568%        |

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 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MH-21-VOC

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\82Y082924S.M  
 Title : SW846 8260

|    |        |      |      |      |       |        |         |         |        |
|----|--------|------|------|------|-------|--------|---------|---------|--------|
| 37 | 13.346 | 1901 | 1907 | 1915 | rVB2  | 384461 | 825920  | 69.06%  | 3.842% |
| 38 | 13.420 | 1916 | 1919 | 1922 | rBV4  | 47910  | 68620   | 5.74%   | 0.319% |
| 39 | 13.487 | 1925 | 1930 | 1934 | rVB4  | 109416 | 172906  | 14.46%  | 0.804% |
| 40 | 13.542 | 1934 | 1939 | 1942 | rBV4  | 64208  | 109055  | 9.12%   | 0.507% |
| 41 | 13.584 | 1942 | 1946 | 1953 | rVB   | 127368 | 189193  | 15.82%  | 0.880% |
| 42 | 13.670 | 1953 | 1960 | 1965 | rBV3  | 641708 | 1195944 | 100.00% | 5.563% |
| 43 | 13.718 | 1965 | 1968 | 1970 | rBV2  | 64785  | 88102   | 7.37%   | 0.410% |
| 44 | 13.840 | 1984 | 1988 | 1992 | rBV4  | 116866 | 196114  | 16.40%  | 0.912% |
| 45 | 13.889 | 1993 | 1996 | 2001 | rVB   | 273055 | 395670  | 33.08%  | 1.840% |
| 46 | 13.938 | 2001 | 2004 | 2008 | rVB3  | 112406 | 149078  | 12.47%  | 0.693% |
| 47 | 13.999 | 2009 | 2014 | 2018 | rBV2  | 349242 | 523222  | 43.75%  | 2.434% |
| 48 | 14.054 | 2018 | 2023 | 2030 | rBV6  | 145909 | 364692  | 30.49%  | 1.696% |
| 49 | 14.133 | 2030 | 2036 | 2039 | rBV4  | 154276 | 338793  | 28.33%  | 1.576% |
| 50 | 14.176 | 2039 | 2043 | 2048 | rVV8  | 353367 | 723032  | 60.46%  | 3.363% |
| 51 | 14.255 | 2052 | 2056 | 2060 | rVB   | 289264 | 411640  | 34.42%  | 1.915% |
| 52 | 14.304 | 2060 | 2064 | 2066 | rBV2  | 172013 | 234014  | 19.57%  | 1.088% |
| 53 | 14.340 | 2066 | 2070 | 2074 | rVB2  | 430786 | 572158  | 47.84%  | 2.661% |
| 54 | 14.438 | 2083 | 2086 | 2089 | rVB2  | 76815  | 99967   | 8.36%   | 0.465% |
| 55 | 14.529 | 2098 | 2101 | 2106 | rBV3  | 206994 | 279327  | 23.36%  | 1.299% |
| 56 | 14.590 | 2106 | 2111 | 2117 | rBV2  | 475926 | 999275  | 83.56%  | 4.648% |
| 57 | 14.651 | 2117 | 2121 | 2127 | rVB3  | 394452 | 623931  | 52.17%  | 2.902% |
| 58 | 14.706 | 2127 | 2130 | 2131 | rBV2  | 59494  | 66317   | 5.55%   | 0.308% |
| 59 | 14.749 | 2133 | 2137 | 2142 | rVB   | 336839 | 504424  | 42.18%  | 2.346% |
| 60 | 14.858 | 2151 | 2155 | 2158 | rBV4  | 147428 | 188542  | 15.77%  | 0.877% |
| 61 | 14.895 | 2158 | 2161 | 2164 | rVV   | 102933 | 160902  | 13.45%  | 0.748% |
| 62 | 14.962 | 2167 | 2172 | 2181 | rVB3  | 219136 | 462619  | 38.68%  | 2.152% |
| 63 | 15.054 | 2183 | 2187 | 2192 | rVB2  | 155608 | 275018  | 23.00%  | 1.279% |
| 64 | 15.121 | 2192 | 2198 | 2203 | rBV4  | 239205 | 439901  | 36.78%  | 2.046% |
| 65 | 15.194 | 2206 | 2210 | 2215 | rVB3  | 147137 | 248881  | 20.81%  | 1.158% |
| 66 | 15.273 | 2215 | 2223 | 2231 | rVB5  | 166862 | 533839  | 44.64%  | 2.483% |
| 67 | 15.340 | 2231 | 2234 | 2241 | rVB6  | 91083  | 157015  | 13.13%  | 0.730% |
| 68 | 15.419 | 2242 | 2247 | 2255 | rBV10 | 48259  | 157249  | 13.15%  | 0.731% |
| 69 | 15.505 | 2256 | 2261 | 2266 | rVB6  | 99936  | 183343  | 15.33%  | 0.853% |
| 70 | 15.584 | 2267 | 2274 | 2277 | rBV8  | 70195  | 176501  | 14.76%  | 0.821% |
| 71 | 15.627 | 2277 | 2281 | 2286 | rVB   | 202040 | 318837  | 26.66%  | 1.483% |
| 72 | 15.925 | 2323 | 2330 | 2336 | rBV2  | 194541 | 380780  | 31.84%  | 1.771% |
| 73 | 16.041 | 2345 | 2349 | 2355 | rVB2  | 79059  | 120603  | 10.08%  | 0.561% |
| 74 | 16.114 | 2356 | 2361 | 2367 | rVB2  | 104009 | 190214  | 15.90%  | 0.885% |
| 75 | 16.175 | 2368 | 2371 | 2376 | rBV3  | 34836  | 55547   | 4.64%   | 0.258% |
| 76 | 16.364 | 2396 | 2402 | 2409 | rBV7  | 85539  | 215224  | 18.00%  | 1.001% |

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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-21-VOC

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\82Y082924S.M  
Title : SW846 8260

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 77 | 16.474 | 2417 | 2420 | 2422 | rBV4 | 21151 | 30820 | 2.58% | 0.143% |
| 78 | 16.639 | 2443 | 2447 | 2452 | rVB4 | 37657 | 74239 | 6.21% | 0.345% |

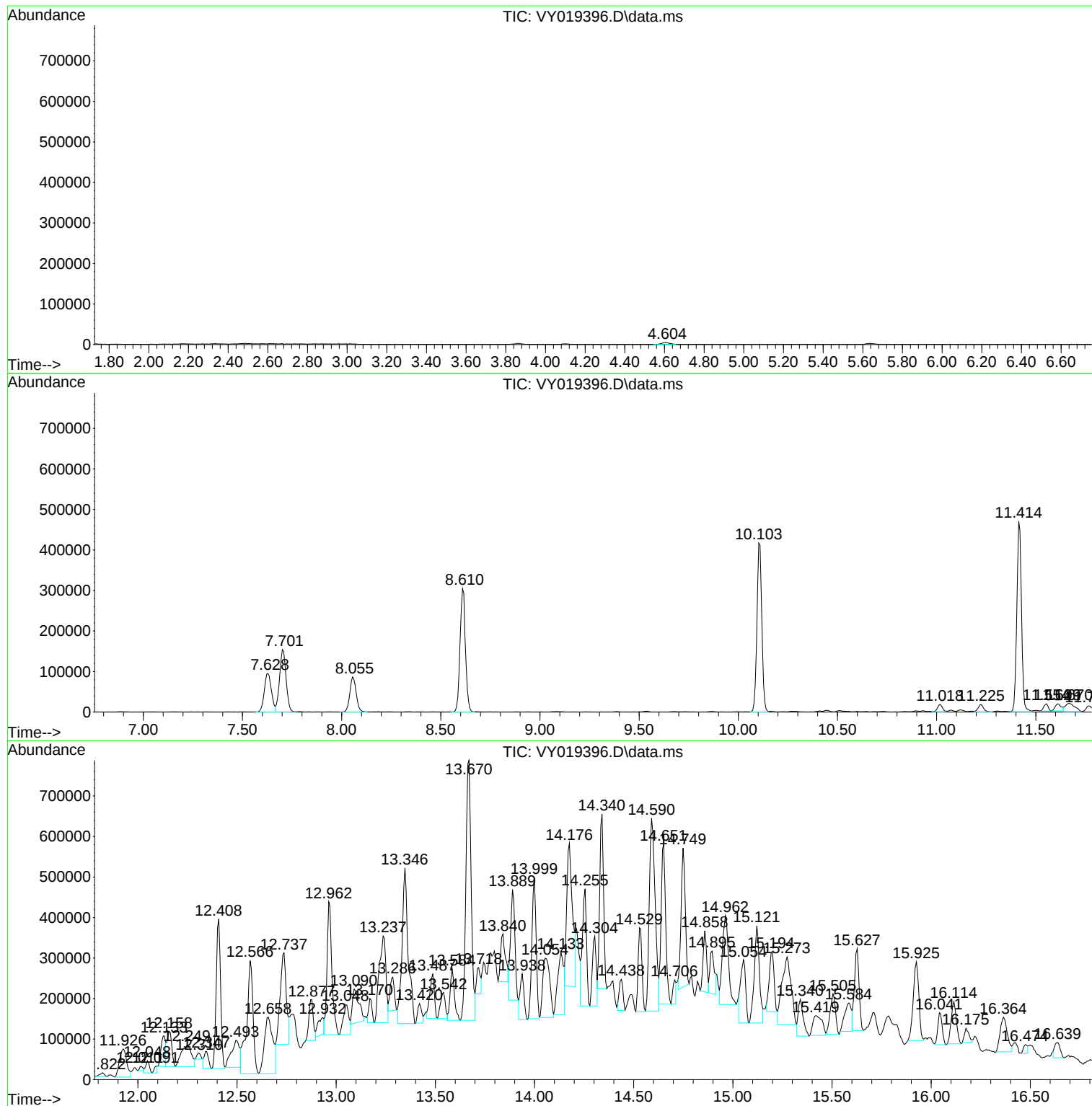
Sum of corrected areas: 21499275

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY083024\  
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Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-21-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082924S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY083024\  
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Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-21-VOC

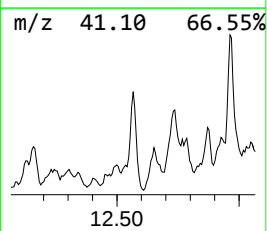
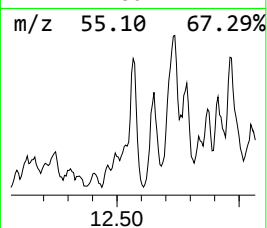
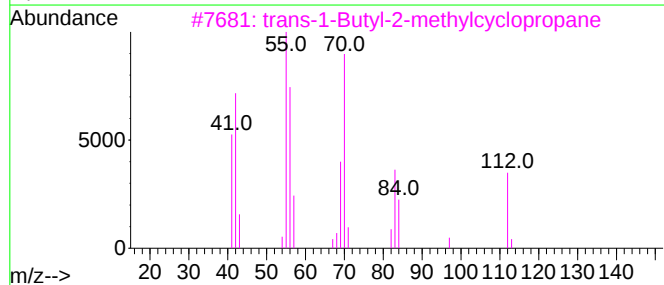
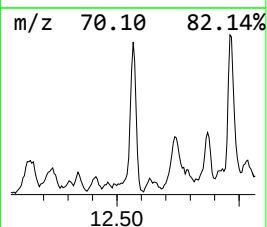
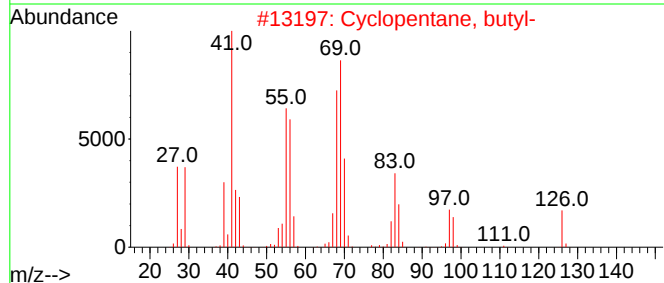
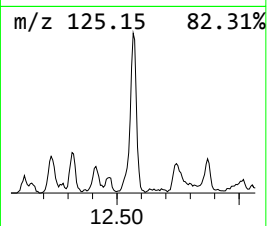
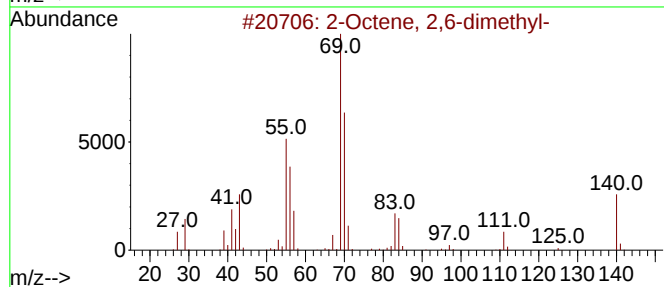
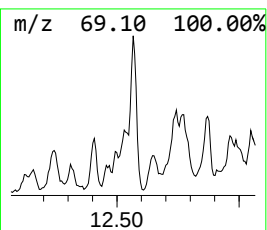
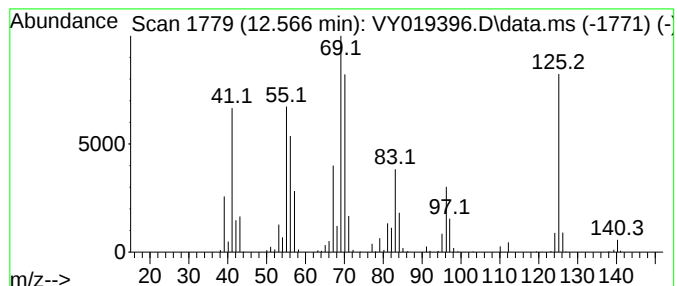
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082924S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 1 2-Octene, 2,6-dimethyl- Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.566 | 37.12 ug/l | 613165 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Octene, 2,6-dimethyl-             | 140 | C10H20  | 004057-42-5 | 55   |
| 2    |    |   | Cyclopentane, butyl-                | 126 | C9H18   | 002040-95-1 | 45   |
| 3    |    |   | trans-1-Butyl-2-methylcyclopropane  | 112 | C8H16   | 038851-70-6 | 38   |
| 4    |    |   | cis-1-Butyl-2-methylcyclopropane    | 112 | C8H16   | 038851-69-3 | 38   |
| 5    |    |   | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16   | 002613-69-6 | 25   |



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-21-VOC

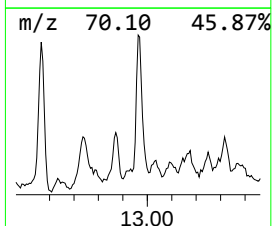
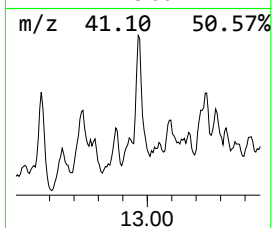
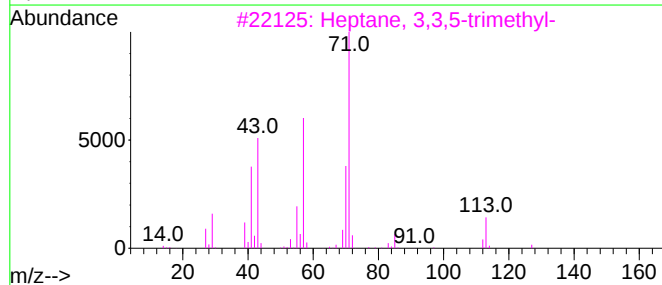
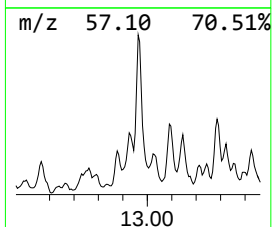
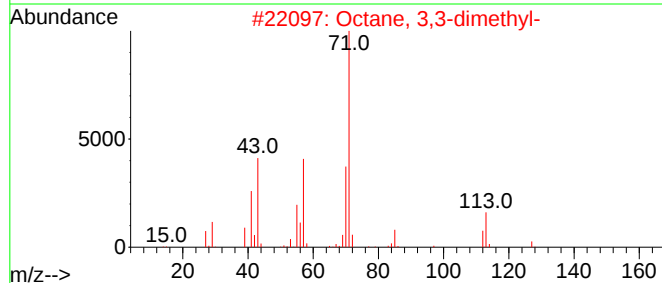
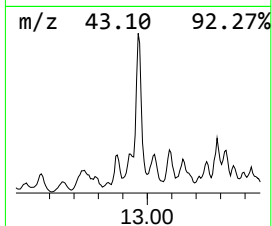
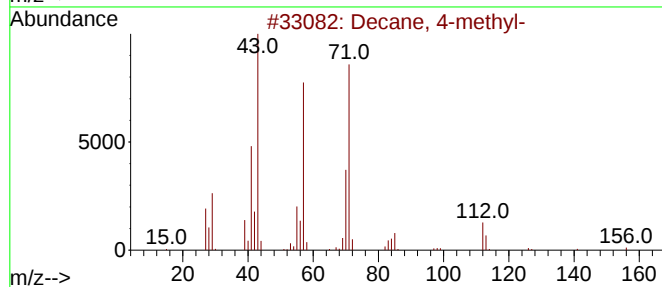
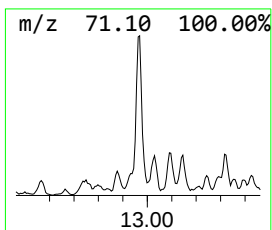
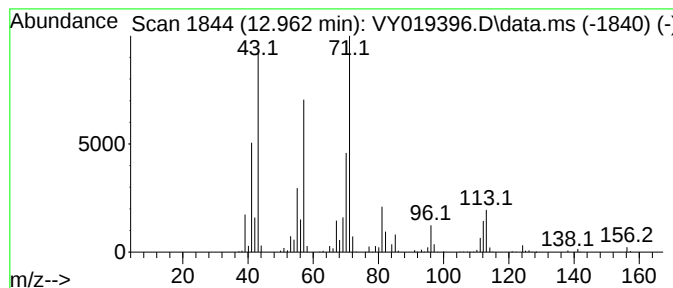
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082924S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Decane, 4-methyl- Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.962 | 33.39 ug/l | 551517 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Decane, 4-methyl-                   | 156 | C11H24    | 002847-72-5  | 81   |
| 2    |    |   | Octane, 3,3-dimethyl-               | 142 | C10H22    | 004110-44-5  | 72   |
| 3    |    |   | Heptane, 3,3,5-trimethyl-           | 142 | C10H22    | 007154-80-5  | 72   |
| 4    |    |   | Sulfurous acid, octyl 2-pentyl e... | 264 | C13H28O3S | 1000309-15-7 | 59   |
| 5    |    |   | 2,4,4-Trimethyl-1-hexene            | 126 | C9H18     | 051174-12-0  | 53   |



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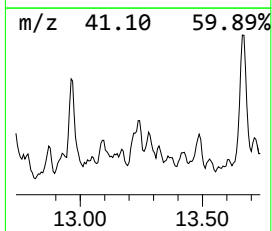
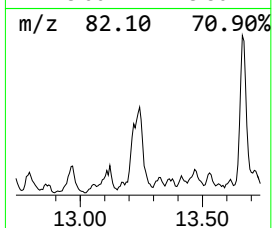
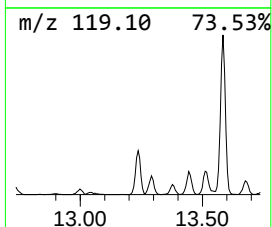
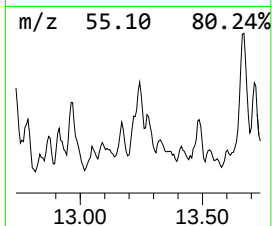
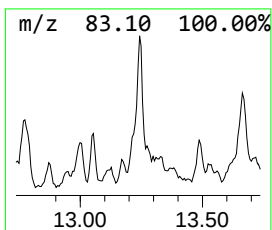
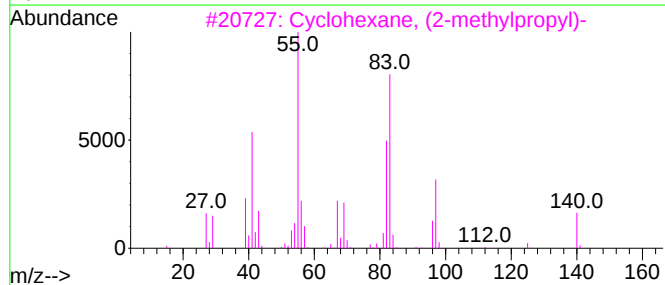
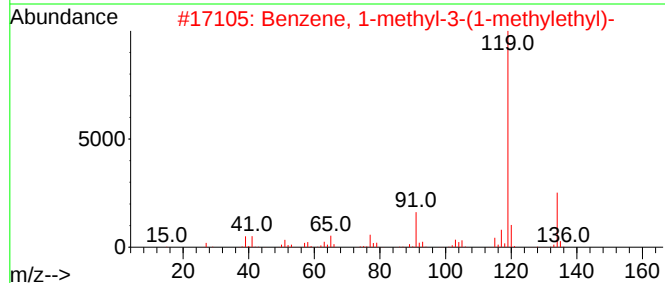
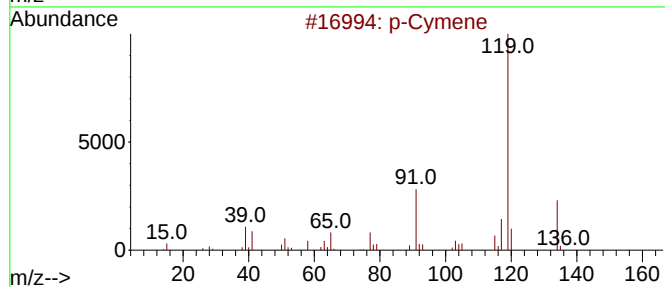
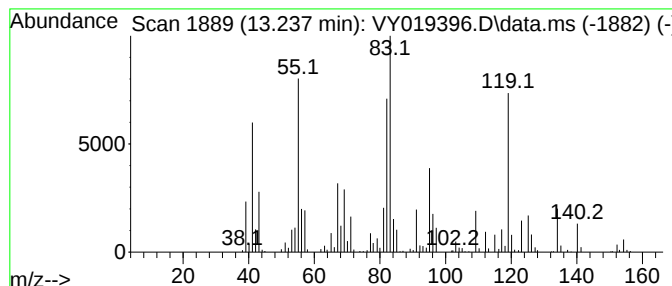
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 p-Cymene Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.237 | 30.66 ug/l | 506504 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID                             | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------------|-----|---------|-------------|------|
| 1    |    |   | p-Cymene                                 | 134 | C10H14  | 000099-87-6 | 78   |
| 2    |    |   | Benzene, 1-methyl-3-(1-methylethyl)-     | 134 | C10H14  | 000535-77-3 | 38   |
| 3    |    |   | Cyclohexane, (2-methylpropyl)-           | 140 | C10H20  | 001678-98-4 | 38   |
| 4    |    |   | 1,3,5-Cycloheptatriene, 3,7,7-trimethyl- | 134 | C10H14  | 003479-89-8 | 38   |
| 5    |    |   | o-Cymene                                 | 134 | C10H14  | 000527-84-4 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY083024\  
Data File : VY019396.D  
Acq On : 30 Aug 2024 15:26  
Operator : SY/MD  
Sample : P3727-03  
Misc : 3.26g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-21-VOC

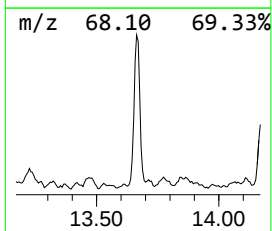
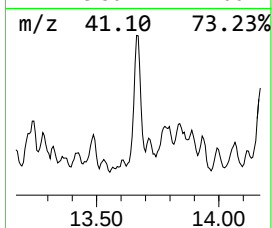
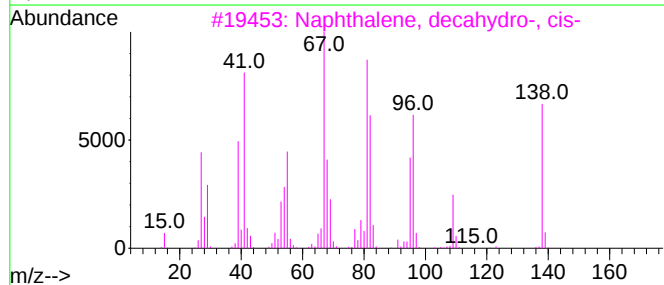
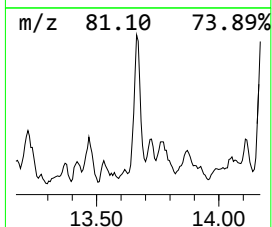
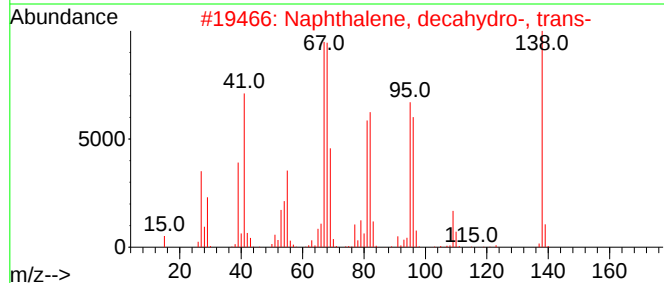
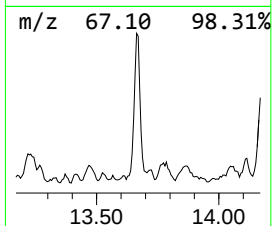
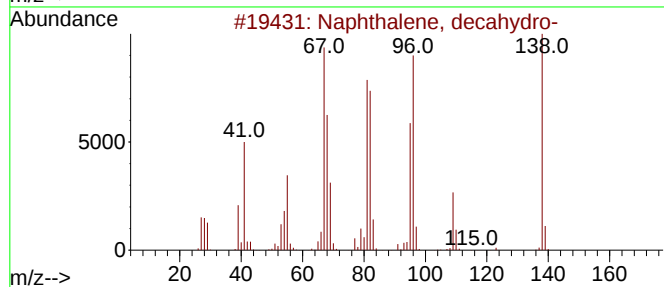
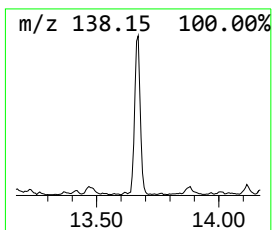
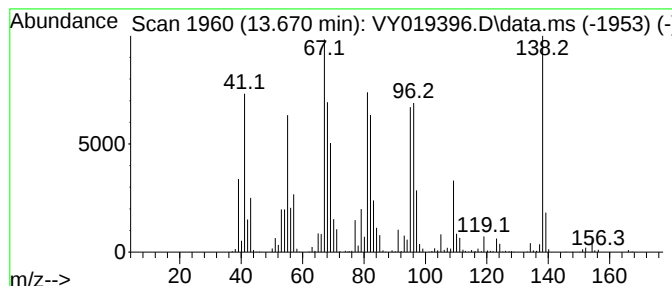
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Naphthalene, decahydro- Concentration Rank 1

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 13.670 | 72.40 ug/l | 1195940 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#         | Qual |
|------|----|---|------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, decahydro-            | 138 | C10H18  | 000091-17-8  | 96   |
| 2    |    |   | Naphthalene, decahydro-, trans-    | 138 | C10H18  | 000493-02-7  | 93   |
| 3    |    |   | Naphthalene, decahydro-, cis-      | 138 | C10H18  | 000493-01-6  | 90   |
| 4    |    |   | 2,2-Dimethyl-3-vinylcyclopentanone | 138 | C9H14O  | 1000427-24-5 | 87   |
| 5    |    |   | Spiro[4.5]decane                   | 138 | C10H18  | 000176-63-6  | 87   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY083024\  
Data File : VY019396.D  
Acq On : 30 Aug 2024 15:26  
Operator : SY/MD  
Sample : P3727-03  
Misc : 3.26g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-21-VOC

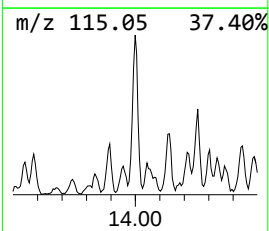
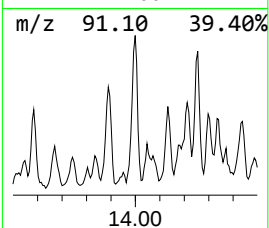
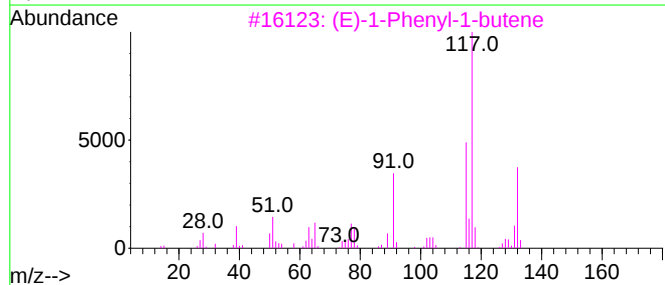
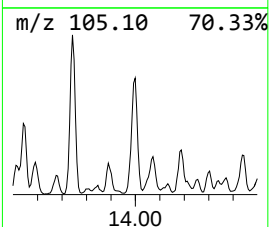
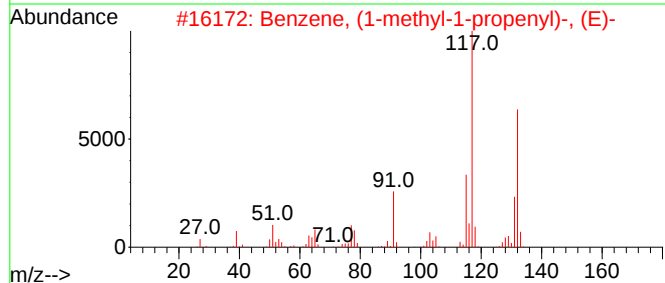
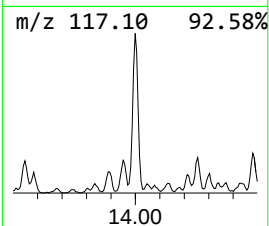
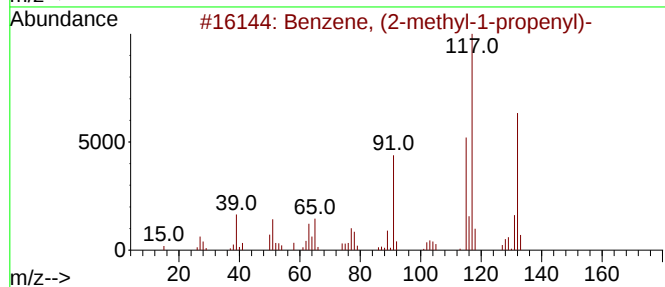
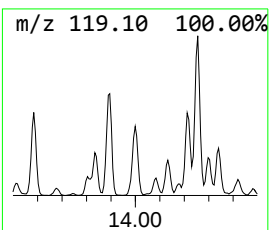
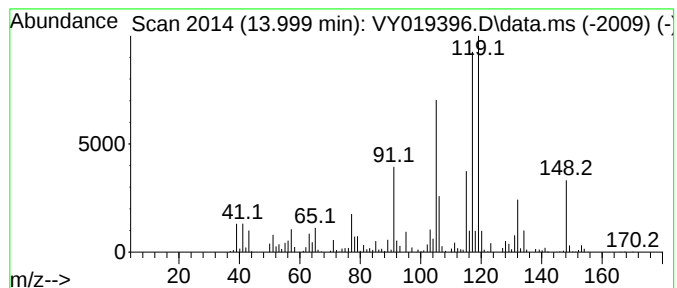
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Benzene, (2-methyl-1-propenyl)- Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.999 | 31.68 ug/l | 523222 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (2-methyl-1-propenyl)-     | 132 | C10H12  | 000768-49-0 | 90   |
| 2    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 89   |
| 3    |    |   | (E)-1-Phenyl-1-butene               | 132 | C10H12  | 001005-64-7 | 86   |
| 4    |    |   | 3-Phenylbut-1-ene                   | 132 | C10H12  | 000934-10-1 | 50   |
| 5    |    |   | Benzene, 1-methyl-2-(2-propenyl)-   | 132 | C10H12  | 001587-04-8 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY083024\  
Data File : VY019396.D  
Acq On : 30 Aug 2024 15:26  
Operator : SY/MD  
Sample : P3727-03  
Misc : 3.26g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-21-VOC

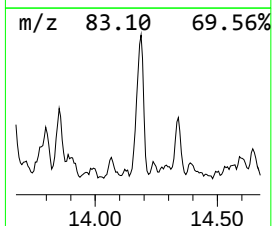
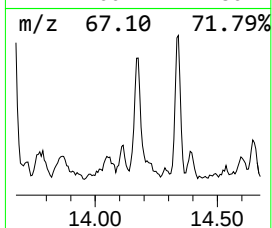
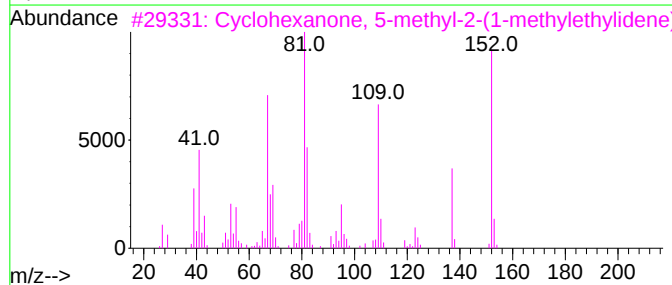
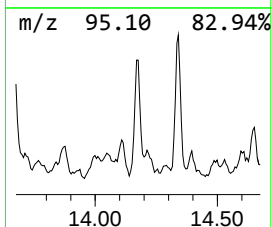
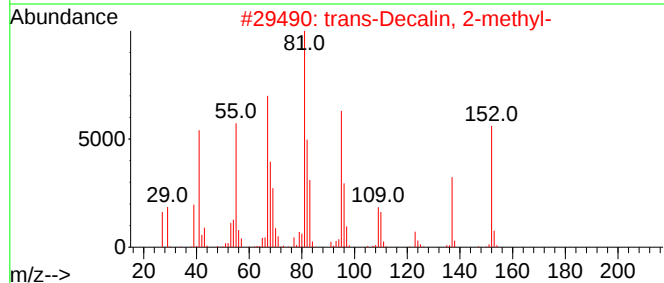
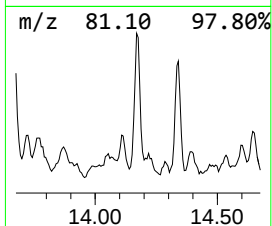
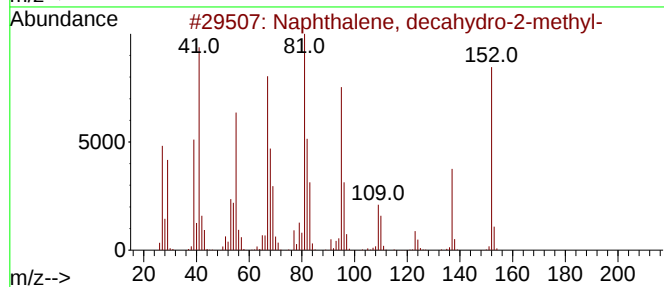
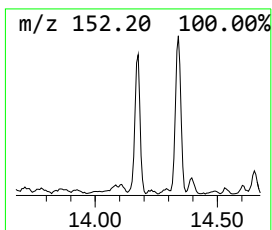
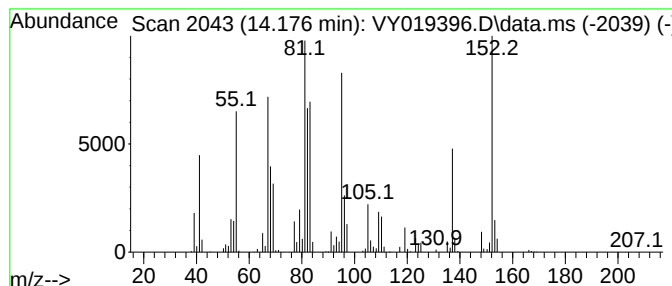
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082924S.M  
Quant Title : SW846 8260

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

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Peak Number 6 Naphthalene, decahydro-2-me... Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.176 | 43.77 ug/l | 723032 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1  | 95   |
| 2    |    |   | trans-Decalin, 2-methyl-            | 152 | C11H20  | 1000152-47-3 | 68   |
| 3    |    |   | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6  | 62   |
| 4    |    |   | Decalin, anti-1-methyl-, cis-       | 152 | C11H20  | 1000158-89-0 | 58   |
| 5    |    |   | Furan, 2-hexyl-                     | 152 | C10H16O | 003777-70-6  | 52   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY083024\  
Data File : VY019396.D  
Acq On : 30 Aug 2024 15:26  
Operator : SY/MD  
Sample : P3727-03  
Misc : 3.26g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-21-VOC

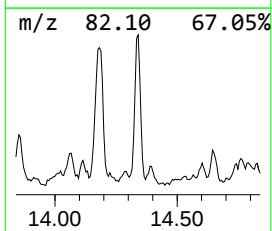
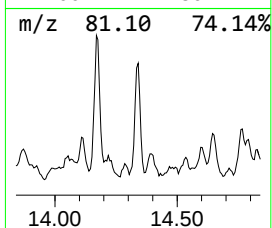
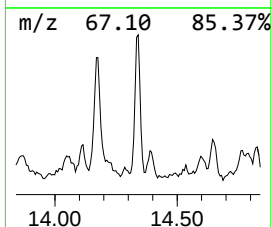
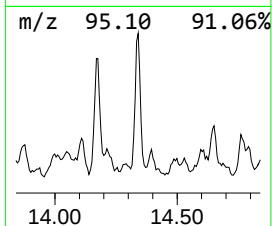
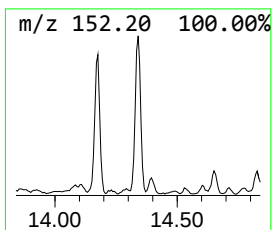
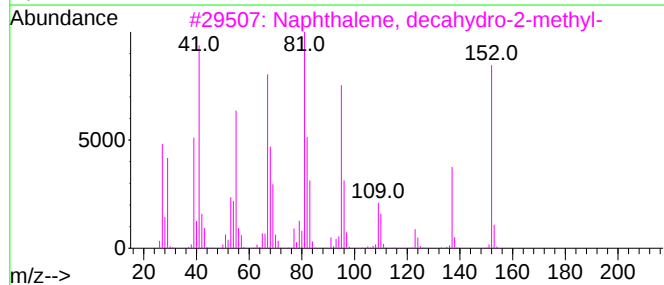
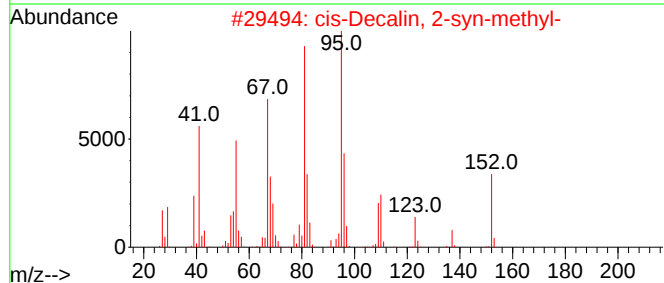
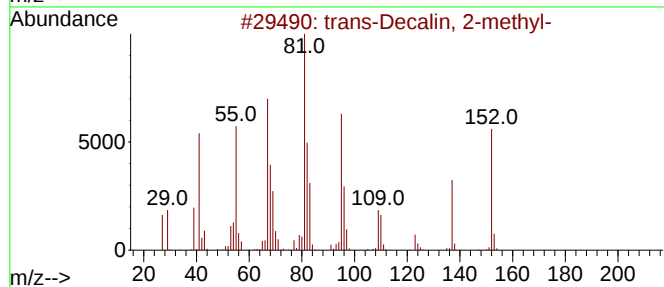
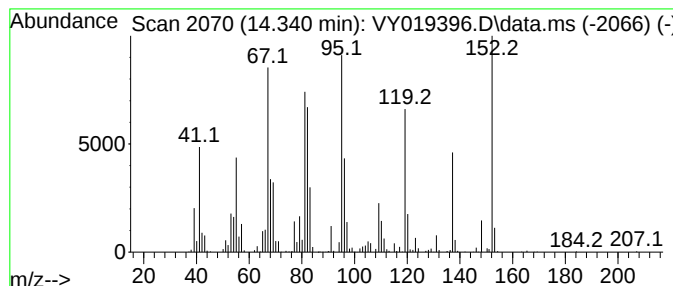
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Quant Title : SW846 8260

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

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Peak Number 7 trans-Decalin, 2-methyl- Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.340 | 34.64 ug/l | 572158 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | trans-Decalin, 2-methyl-            | 152 | C11H20  | 1000152-47-3 | 89   |
| 2    |    |   | cis-Decalin, 2-syn-methyl-          | 152 | C11H20  | 1000155-85-6 | 81   |
| 3    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1  | 81   |
| 4    |    |   | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 | C10H16O | 000464-48-2  | 70   |
| 5    |    |   | Bicyclo[2.2.1]heptane, 1,3,3-tri... | 138 | C10H18  | 006248-88-0  | 60   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY083024\  
Data File : VY019396.D  
Acq On : 30 Aug 2024 15:26  
Operator : SY/MD  
Sample : P3727-03  
Misc : 3.26g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-21-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082924S.M  
Quant Title : SW846 8260

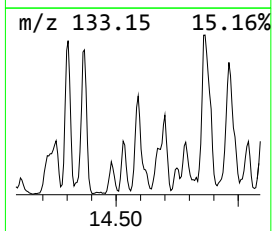
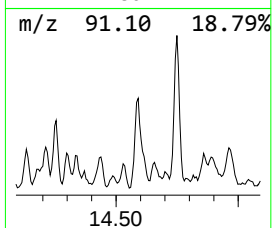
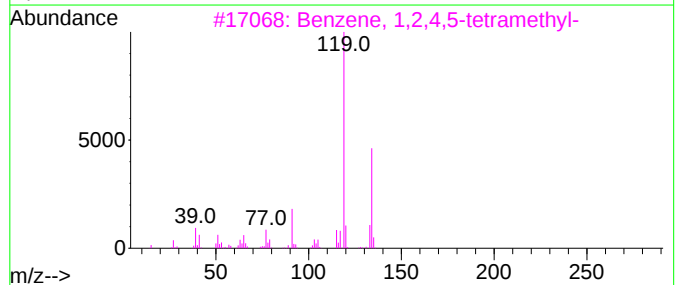
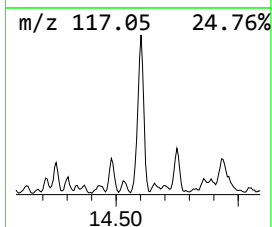
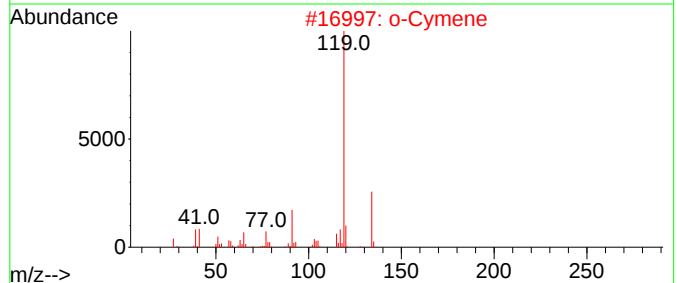
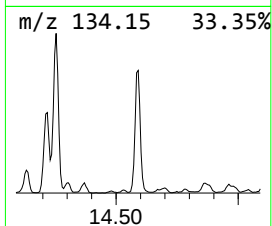
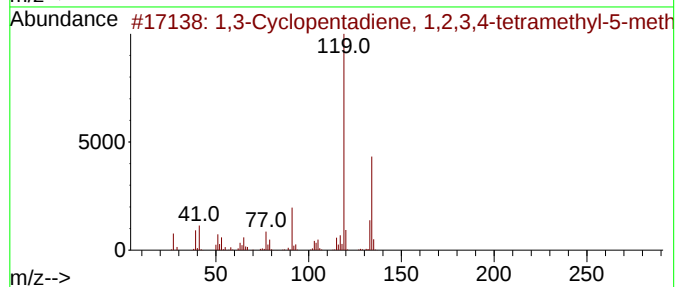
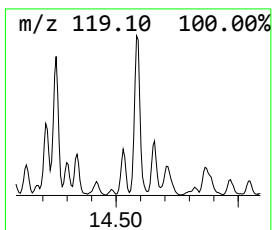
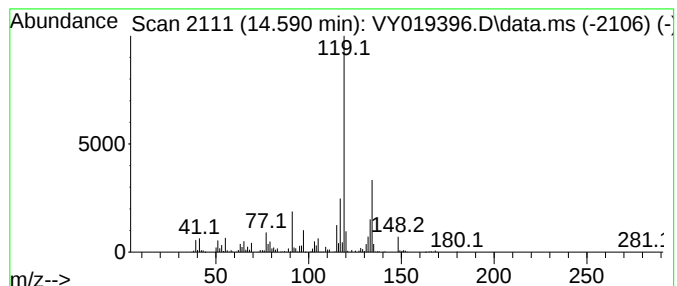
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.590 | 60.49 ug/l | 999275 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14  | 076089-59-3 | 93   |
| 2    |    |   | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 92   |
| 3    |    |   | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 76   |
| 4    |    |   | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 70   |
| 5    |    |   | Benzene, 2-ethyl-1,3-dimethyl-      | 134 | C10H14  | 002870-04-4 | 70   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY083024\  
Data File : VY019396.D  
Acq On : 30 Aug 2024 15:26  
Operator : SY/MD  
Sample : P3727-03  
Misc : 3.26g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-21-VOC

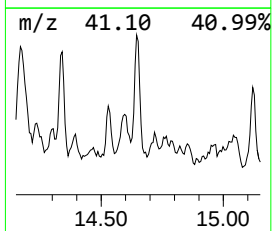
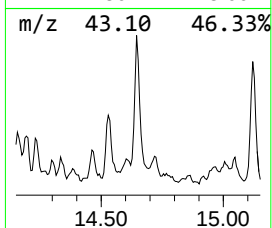
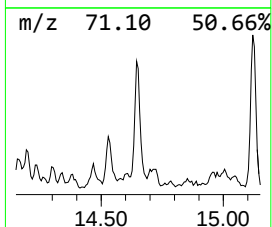
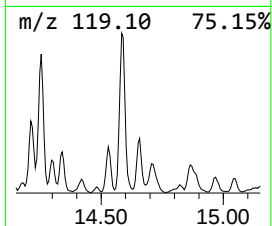
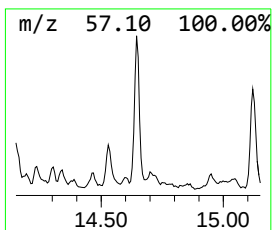
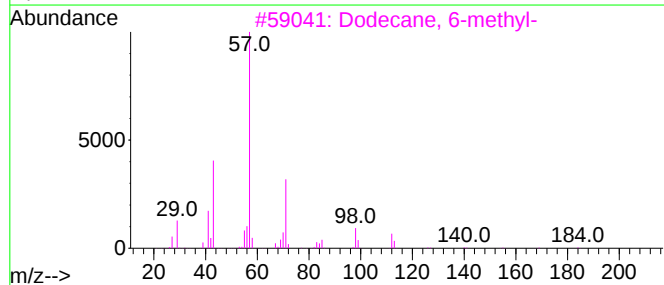
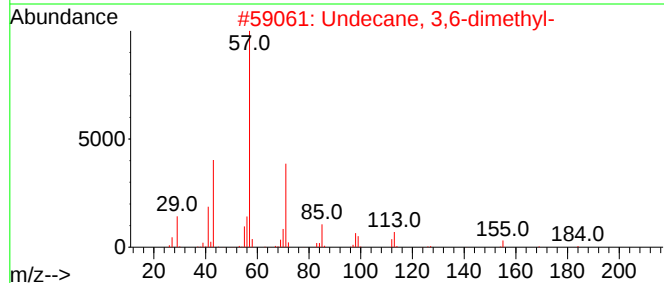
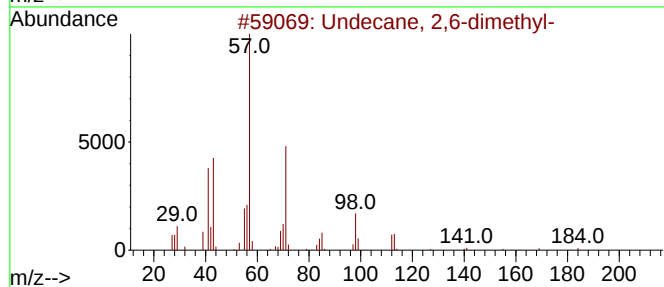
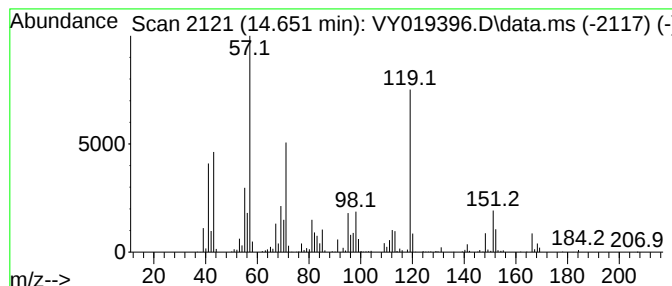
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082924S.M  
Quant Title : SW846 8260

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

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Peak Number 9 Undecane, 2,6-dimethyl- Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.651 | 37.77 ug/l | 623931 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Undecane, 2,6-dimethyl- | 184 | C13H28  | 017301-23-4 | 83   |
| 2    |    |   | Undecane, 3,6-dimethyl- | 184 | C13H28  | 017301-28-9 | 42   |
| 3    |    |   | Dodecane, 6-methyl-     | 184 | C13H28  | 006044-71-9 | 38   |
| 4    |    |   | Nonane, 3-methyl-       | 142 | C10H22  | 005911-04-6 | 25   |
| 5    |    |   | Octane, 3,6-dimethyl-   | 142 | C10H22  | 015869-94-0 | 22   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY083024\  
Data File : VY019396.D  
Acq On : 30 Aug 2024 15:26  
Operator : SY/MD  
Sample : P3727-03  
Misc : 3.26g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-21-VOC

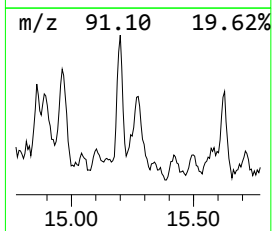
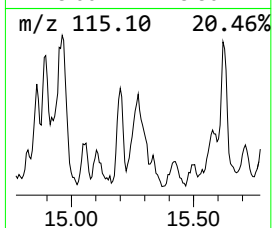
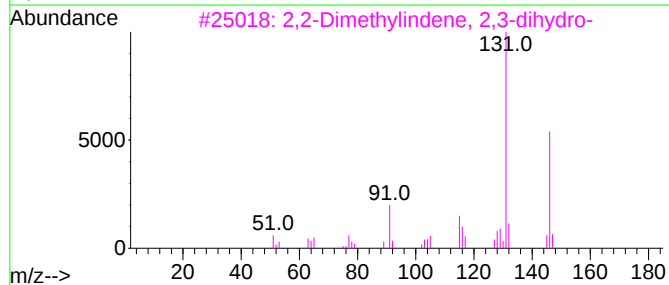
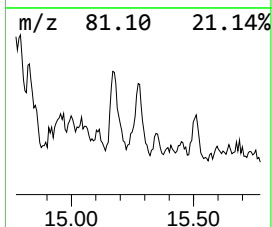
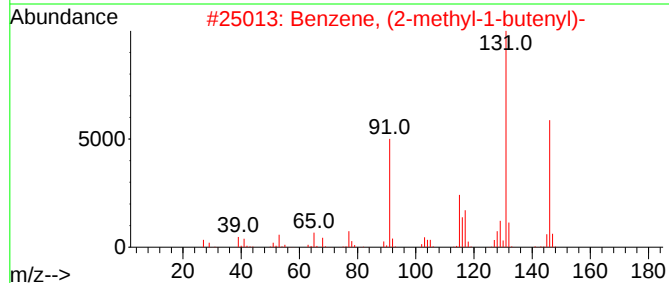
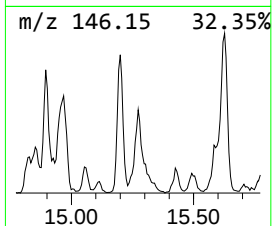
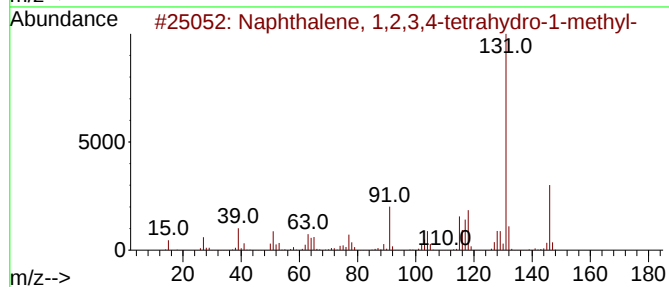
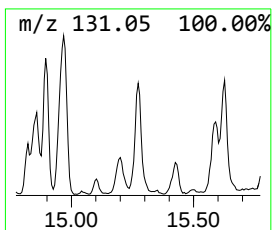
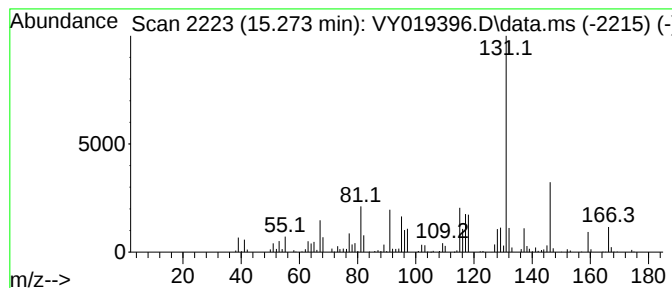
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082924S.M  
Quant Title : SW846 8260

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

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Peak Number 10 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.273 | 32.32 ug/l | 533839 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001559-81-5 | 90   |
| 2    |    |   | Benzene, (2-methyl-1-butenyl)-      | 146 | C11H14  | 056253-64-6 | 89   |
| 3    |    |   | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 76   |
| 4    |    |   | Benzene, (1-methyl-1-butenyl)-      | 146 | C11H14  | 053172-84-2 | 76   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 68   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY083024\  
Data File : VY019396.D  
Acq On : 30 Aug 2024 15:26  
Operator : SY/MD  
Sample : P3727-03  
Misc : 3.26g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-21-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082924S.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 |
| 2-Octene, 2,6-d... | 12.566 | 37.1    | ug/l  | 613165   | 4                     | 13.347 | 825920 | 50.0 |
| Decane, 4-methyl-  | 12.962 | 33.4    | ug/l  | 551517   | 4                     | 13.347 | 825920 | 50.0 |
| p-Cymene           | 13.237 | 30.7    | ug/l  | 506504   | 4                     | 13.347 | 825920 | 50.0 |
| Naphthalene, de... | 13.670 | 72.4    | ug/l  | 1195940  | 4                     | 13.347 | 825920 | 50.0 |
| Benzene, (2-met... | 13.999 | 31.7    | ug/l  | 523222   | 4                     | 13.347 | 825920 | 50.0 |
| Naphthalene, de... | 14.176 | 43.8    | ug/l  | 723032   | 4                     | 13.347 | 825920 | 50.0 |
| trans-Decalin, ... | 14.340 | 34.6    | ug/l  | 572158   | 4                     | 13.347 | 825920 | 50.0 |
| 1,3-Cyclopentad... | 14.590 | 60.5    | ug/l  | 999275   | 4                     | 13.347 | 825920 | 50.0 |
| Undecane, 2,6-d... | 14.651 | 37.8    | ug/l  | 623931   | 4                     | 13.347 | 825920 | 50.0 |
| Naphthalene, 1,... | 15.273 | 32.3    | ug/l  | 533839   | 4                     | 13.347 | 825920 | 50.0 |