

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020624\  
 Data File : VY017276.D  
 Acq On : 06 Feb 2024 19:46  
 Operator : SY/MD  
 Sample : P1358-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RT2302

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\82Y020124S.M

Title : SW846 8260

Signal : TIC: VY017276.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         | 2.223       | 60            | 66          | 76           | rBV      | 48336          | 79999         | 13.96%          | 0.866%        |
| 2         | 2.905       | 172           | 178         | 190          | rBV6     | 2167           | 6014          | 1.05%           | 0.065%        |
| 3         | 4.734       | 468           | 478         | 493          | rBV3     | 8847           | 29367         | 5.13%           | 0.318%        |
| 4         | 4.972       | 504           | 517         | 527          | rBV3     | 6877           | 24481         | 4.27%           | 0.265%        |
| 5         | 5.765       | 638           | 647         | 654          | rBV4     | 2843           | 8491          | 1.48%           | 0.092%        |
| 6         | 6.996       | 840           | 849         | 861          | rBV2     | 3560           | 13543         | 2.36%           | 0.147%        |
| 7         | 7.728       | 959           | 969         | 975          | rBV      | 55775          | 135281        | 23.61%          | 1.464%        |
| 8         | 7.801       | 975           | 981         | 991          | rVB      | 88894          | 199881        | 34.89%          | 2.164%        |
| 9         | 8.154       | 1029          | 1039        | 1052         | rVB2     | 54088          | 124028        | 21.65%          | 1.343%        |
| 10        | 8.703       | 1119          | 1129        | 1141         | rBV      | 143348         | 286766        | 50.06%          | 3.104%        |
| 11        | 9.197       | 1197          | 1210        | 1217         | rBV      | 19709          | 42415         | 7.40%           | 0.459%        |
| 12        | 9.825       | 1308          | 1313        | 1325         | rVB4     | 2971           | 6416          | 1.12%           | 0.069%        |
| 13        | 10.191      | 1365          | 1373        | 1388         | rBV      | 239357         | 426211        | 74.40%          | 4.613%        |
| 14        | 10.380      | 1396          | 1404        | 1409         | rVV5     | 5875           | 14408         | 2.52%           | 0.156%        |
| 15        | 10.532      | 1422          | 1429        | 1434         | rBV2     | 11675          | 20679         | 3.61%           | 0.224%        |
| 16        | 10.587      | 1434          | 1438        | 1440         | rVV2     | 5463           | 8643          | 1.51%           | 0.094%        |
| 17        | 10.630      | 1440          | 1445        | 1451         | rVV2     | 21036          | 39346         | 6.87%           | 0.426%        |
| 18        | 10.977      | 1495          | 1502        | 1504         | rBV4     | 4531           | 8732          | 1.52%           | 0.095%        |
| 19        | 11.014      | 1504          | 1508        | 1509         | rVV2     | 13331          | 18403         | 3.21%           | 0.199%        |
| 20        | 11.044      | 1509          | 1513        | 1518         | rVV      | 37552          | 63363         | 11.06%          | 0.686%        |
| 21        | 11.099      | 1518          | 1522        | 1528         | rVB4     | 9041           | 15612         | 2.73%           | 0.169%        |
| 22        | 11.215      | 1535          | 1541        | 1545         | rBV4     | 4653           | 8810          | 1.54%           | 0.095%        |
| 23        | 11.300      | 1545          | 1555        | 1565         | rVB5     | 14547          | 37594         | 6.56%           | 0.407%        |
| 24        | 11.392      | 1565          | 1570        | 1573         | rBV      | 6298           | 10360         | 1.81%           | 0.112%        |
| 25        | 11.501      | 1581          | 1588        | 1598         | rBV      | 192278         | 321744        | 56.16%          | 3.483%        |
| 26        | 11.605      | 1598          | 1605        | 1606         | rVV3     | 4735           | 9204          | 1.61%           | 0.100%        |
| 27        | 11.635      | 1606          | 1610        | 1614         | rVV2     | 14705          | 25133         | 4.39%           | 0.272%        |
| 28        | 11.684      | 1614          | 1618        | 1621         | rVV2     | 14787          | 26774         | 4.67%           | 0.290%        |
| 29        | 11.745      | 1621          | 1628        | 1632         | rVV3     | 36274          | 91764         | 16.02%          | 0.993%        |
| 30        | 11.788      | 1632          | 1635        | 1640         | rVB2     | 19147          | 30134         | 5.26%           | 0.326%        |
| 31        | 12.007      | 1664          | 1671        | 1673         | rBV2     | 41423          | 77452         | 13.52%          | 0.838%        |
| 32        | 12.172      | 1694          | 1698        | 1702         | rBV      | 37283          | 59316         | 10.35%          | 0.642%        |
| 33        | 12.209      | 1702          | 1704        | 1707         | rVV3     | 14081          | 20298         | 3.54%           | 0.220%        |
| 34        | 12.257      | 1707          | 1712        | 1721         | rVV3     | 55027          | 116841        | 20.40%          | 1.265%        |
| 35        | 12.343      | 1721          | 1726        | 1731         | rVV3     | 21567          | 34124         | 5.96%           | 0.369%        |
| 36        | 12.422      | 1736          | 1739        | 1745         | rVB4     | 8775           | 14522         | 2.53%           | 0.157%        |

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 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RT2302

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\82Y020124S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |         |        |
|----|--------|------|------|------|------|--------|--------|---------|--------|
| 37 | 12.489 | 1745 | 1750 | 1756 | rBV  | 131120 | 206971 | 36.13%  | 2.240% |
| 38 | 12.587 | 1756 | 1766 | 1769 | rBV  | 10116  | 26465  | 4.62%   | 0.286% |
| 39 | 12.660 | 1774 | 1778 | 1784 | rVB5 | 19197  | 38056  | 6.64%   | 0.412% |
| 40 | 12.739 | 1784 | 1791 | 1794 | rBV4 | 31024  | 69734  | 12.17%  | 0.755% |
| 41 | 12.776 | 1794 | 1797 | 1800 | rBV  | 32194  | 51142  | 8.93%   | 0.554% |
| 42 | 12.818 | 1800 | 1804 | 1809 | rVB4 | 107831 | 172382 | 30.09%  | 1.866% |
| 43 | 12.873 | 1809 | 1813 | 1817 | rVB  | 32056  | 44655  | 7.79%   | 0.483% |
| 44 | 12.922 | 1817 | 1821 | 1823 | rBV4 | 5846   | 8463   | 1.48%   | 0.092% |
| 45 | 12.977 | 1823 | 1830 | 1834 | rBV2 | 23752  | 63494  | 11.08%  | 0.687% |
| 46 | 13.050 | 1839 | 1842 | 1850 | rVB4 | 48594  | 91272  | 15.93%  | 0.988% |
| 47 | 13.141 | 1853 | 1857 | 1860 | rBV5 | 13370  | 21691  | 3.79%   | 0.235% |
| 48 | 13.257 | 1872 | 1876 | 1879 | rBV3 | 20738  | 31185  | 5.44%   | 0.338% |
| 49 | 13.324 | 1879 | 1887 | 1891 | rVV4 | 83466  | 202638 | 35.37%  | 2.193% |
| 50 | 13.373 | 1891 | 1895 | 1899 | rVV3 | 29506  | 50907  | 8.89%   | 0.551% |
| 51 | 13.434 | 1900 | 1905 | 1908 | rVV  | 112760 | 188350 | 32.88%  | 2.039% |
| 52 | 13.464 | 1908 | 1910 | 1914 | rVB  | 97575  | 113184 | 19.76%  | 1.225% |
| 53 | 13.507 | 1914 | 1917 | 1918 | rBV2 | 10914  | 10901  | 1.90%   | 0.118% |
| 54 | 13.556 | 1920 | 1925 | 1930 | rBV7 | 28089  | 58092  | 10.14%  | 0.629% |
| 55 | 13.629 | 1931 | 1937 | 1941 | rBV2 | 74580  | 130380 | 22.76%  | 1.411% |
| 56 | 13.672 | 1941 | 1944 | 1952 | rVB3 | 56014  | 108157 | 18.88%  | 1.171% |
| 57 | 13.757 | 1952 | 1958 | 1963 | rBV2 | 222900 | 384824 | 67.17%  | 4.165% |
| 58 | 13.861 | 1968 | 1975 | 1978 | rBV3 | 31416  | 70925  | 12.38%  | 0.768% |
| 59 | 13.928 | 1983 | 1986 | 1988 | rVV2 | 33936  | 50305  | 8.78%   | 0.545% |
| 60 | 13.977 | 1990 | 1994 | 1999 | rVB2 | 81503  | 139395 | 24.33%  | 1.509% |
| 61 | 14.086 | 2007 | 2012 | 2016 | rBV  | 149882 | 242290 | 42.29%  | 2.623% |
| 62 | 14.141 | 2016 | 2021 | 2028 | rBV6 | 98709  | 207918 | 36.29%  | 2.251% |
| 63 | 14.214 | 2028 | 2033 | 2037 | rBV5 | 69203  | 142743 | 24.92%  | 1.545% |
| 64 | 14.263 | 2037 | 2041 | 2044 | rBV2 | 189024 | 316937 | 55.32%  | 3.431% |
| 65 | 14.397 | 2057 | 2063 | 2066 | rBV3 | 131047 | 254026 | 44.34%  | 2.750% |
| 66 | 14.428 | 2066 | 2068 | 2072 | rVV3 | 149115 | 210264 | 36.70%  | 2.276% |
| 67 | 14.483 | 2073 | 2077 | 2082 | rVB6 | 101583 | 195454 | 34.12%  | 2.116% |
| 68 | 14.623 | 2097 | 2100 | 2105 | rVB3 | 74908  | 109864 | 19.18%  | 1.189% |
| 69 | 14.690 | 2105 | 2111 | 2116 | rBV3 | 145149 | 349243 | 60.96%  | 3.780% |
| 70 | 14.739 | 2116 | 2119 | 2125 | rVB3 | 156744 | 265306 | 46.31%  | 2.872% |
| 71 | 14.848 | 2132 | 2137 | 2140 | rBV2 | 164732 | 313684 | 54.76%  | 3.395% |
| 72 | 14.885 | 2140 | 2143 | 2148 | rVB  | 160535 | 237025 | 41.37%  | 2.566% |
| 73 | 14.952 | 2149 | 2154 | 2158 | rVB3 | 154321 | 235234 | 41.06%  | 2.546% |
| 74 | 15.013 | 2158 | 2164 | 2166 | rBV3 | 85539  | 161223 | 28.14%  | 1.745% |
| 75 | 15.299 | 2202 | 2211 | 2217 | rBV7 | 174939 | 572872 | 100.00% | 6.201% |
| 76 | 15.452 | 2233 | 2236 | 2240 | rBV4 | 46588  | 68057  | 11.88%  | 0.737% |

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Sample : P1358-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2302

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\82Y020124S.M  
Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 77 | 15.745 | 2279 | 2284 | 2293 | rVB5 | 112067 | 222957 | 38.92% | 2.413% |
| 78 | 16.043 | 2330 | 2333 | 2341 | rVB5 | 97211  | 185189 | 32.33% | 2.005% |
| 79 | 16.238 | 2361 | 2365 | 2371 | rBV2 | 73545  | 158425 | 27.65% | 1.715% |

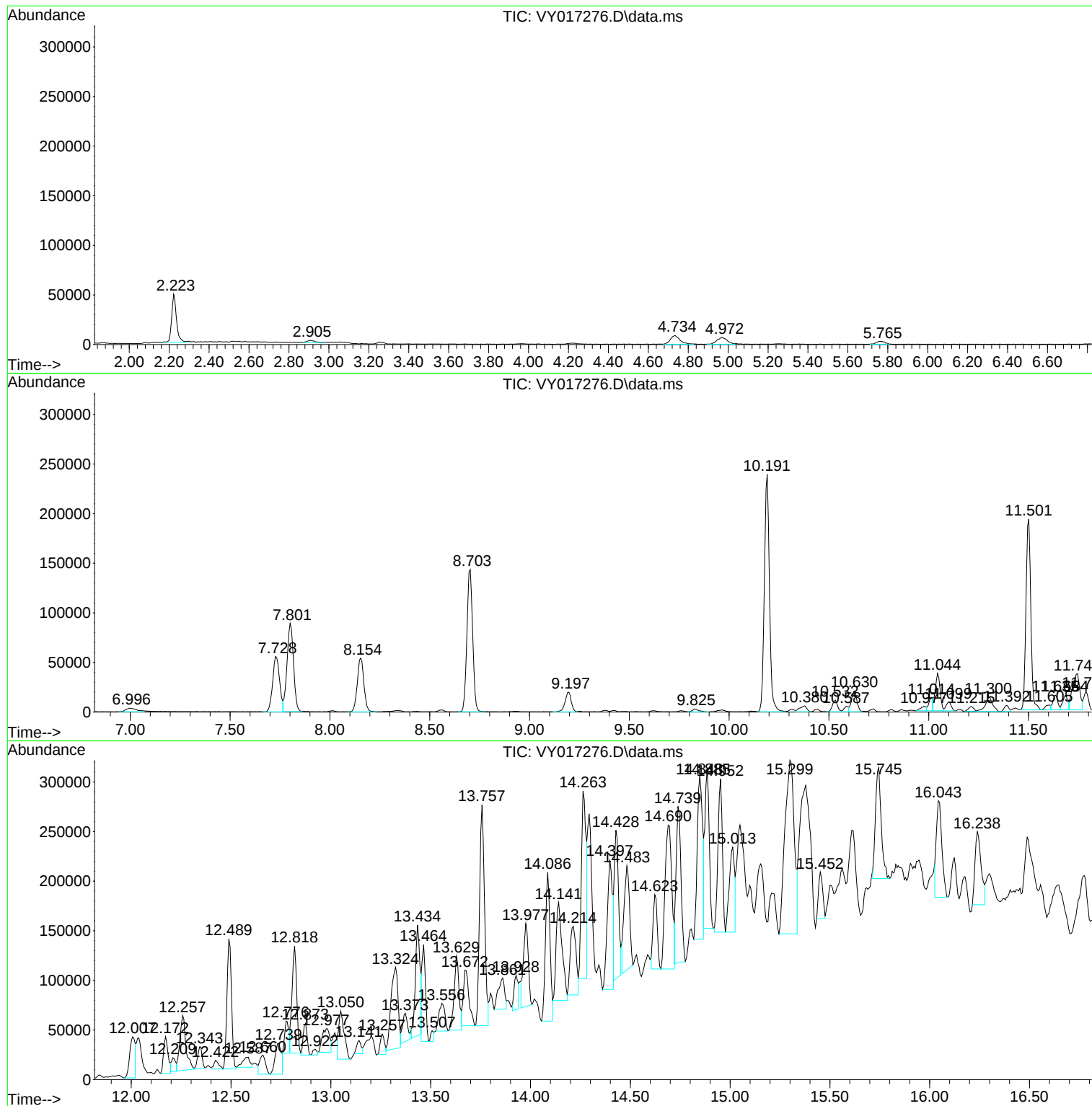
Sum of corrected areas: 9238428

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020624\  
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Instrument :  
MSVOA\_Y  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
Quant Title : SW846 8260

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



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Sample : P1358-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2302

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
Quant Title : SW846 8260

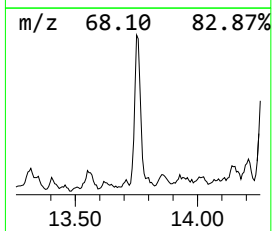
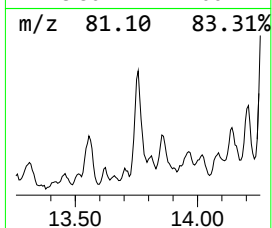
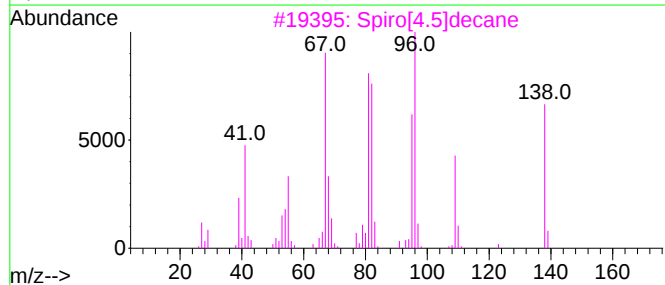
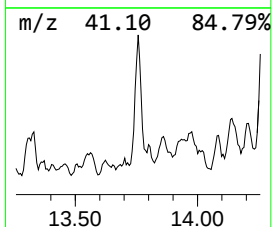
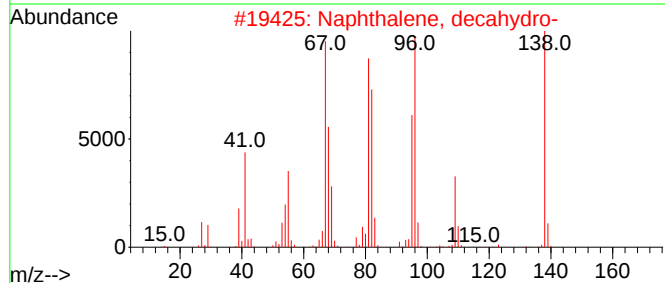
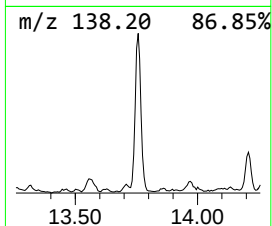
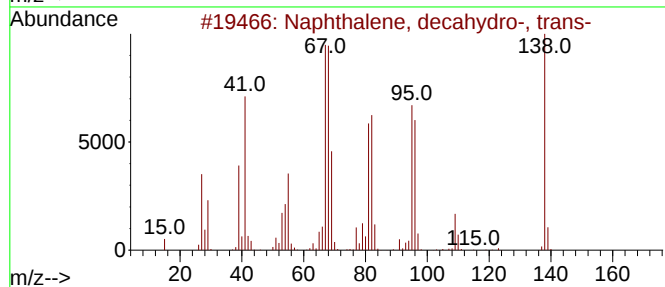
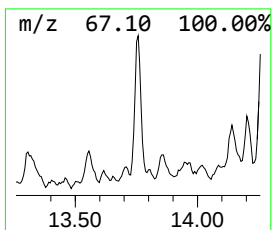
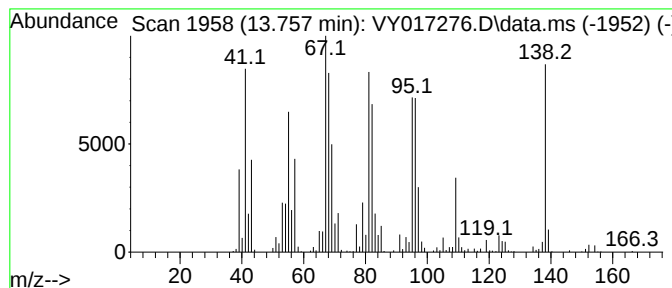
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Naphthalene, decahydro-, tr... Concentration Rank 2

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 13.757 | 102.16 ug/l | 384824 | 1,4-Dichlorobenzene-d4 | 13.434 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, decahydro-, trans- | 138 | C10H18  | 000493-02-7 | 96   |
| 2    |    |   | Naphthalene, decahydro-         | 138 | C10H18  | 000091-17-8 | 94   |
| 3    |    |   | Spiro[4.5]decane                | 138 | C10H18  | 000176-63-6 | 94   |
| 4    |    |   | Naphthalene, decahydro-, cis-   | 138 | C10H18  | 000493-01-6 | 93   |
| 5    |    |   | Cyclodecene, (Z)-               | 138 | C10H18  | 000935-31-9 | 83   |



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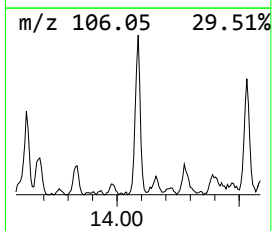
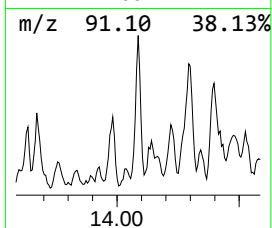
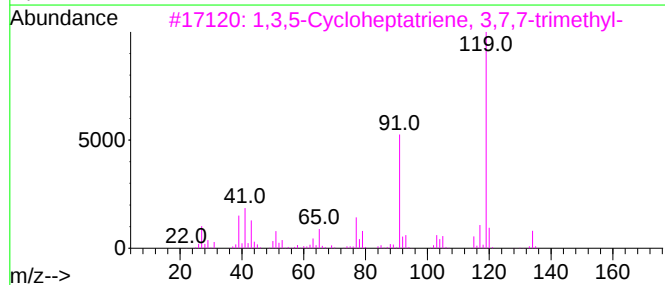
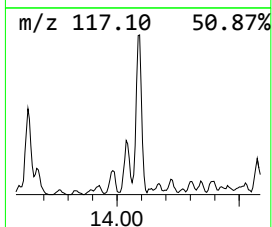
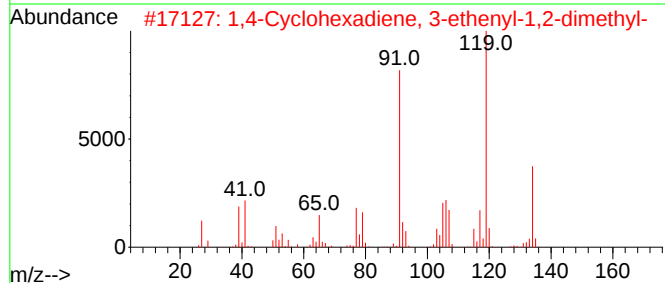
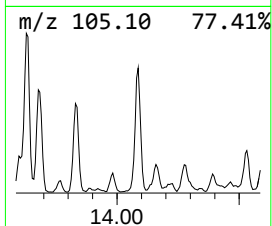
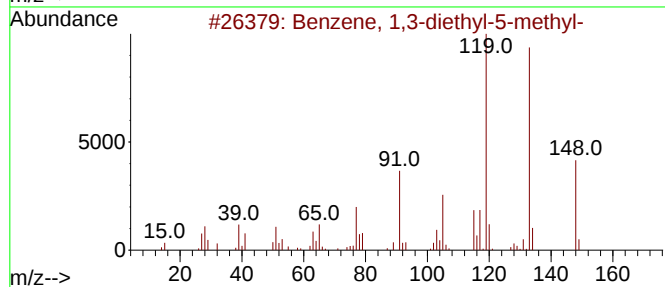
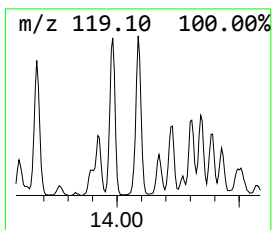
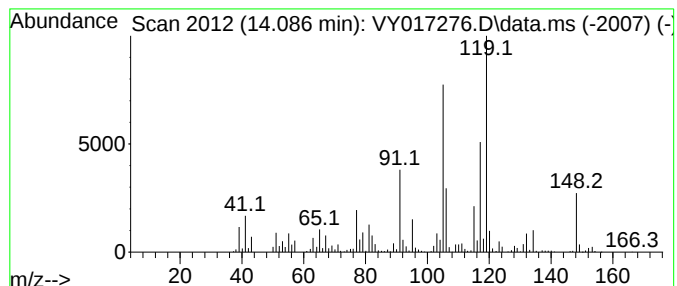
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.086 | 64.32 ug/l | 242290 | 1,4-Dichlorobenzene-d4 | 13.434 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,3-diethyl-5-methyl-      | 148 | C11H16  | 002050-24-0 | 50   |
| 2    |    |   | 1,4-Cyclohexadiene, 3-ethenyl-1,... | 134 | C10H14  | 062338-57-2 | 49   |
| 3    |    |   | 1,3,5-Cycloheptatriene, 3,7,7-tr... | 134 | C10H14  | 003479-89-8 | 46   |
| 4    |    |   | Benzene, (1,1-dimethylpropyl)-      | 148 | C11H16  | 002049-95-8 | 46   |
| 5    |    |   | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 43   |



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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
Quant Title : SW846 8260

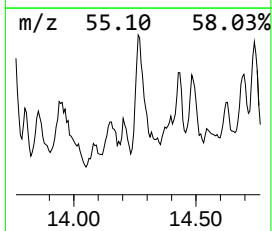
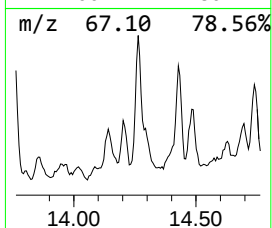
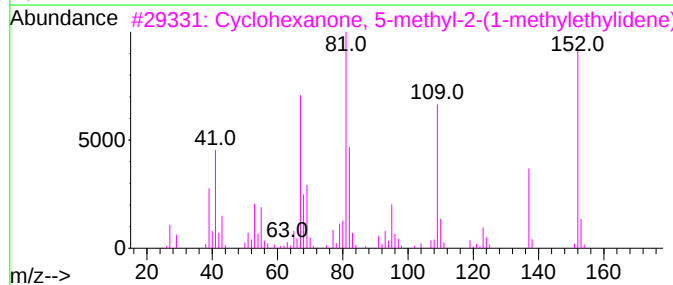
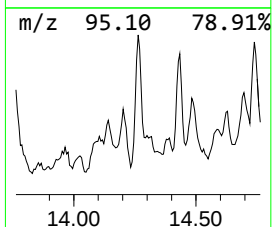
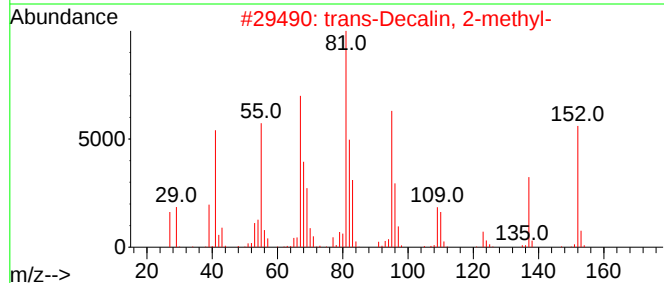
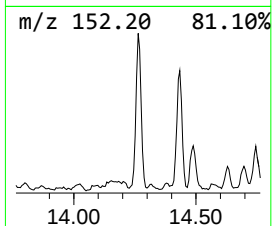
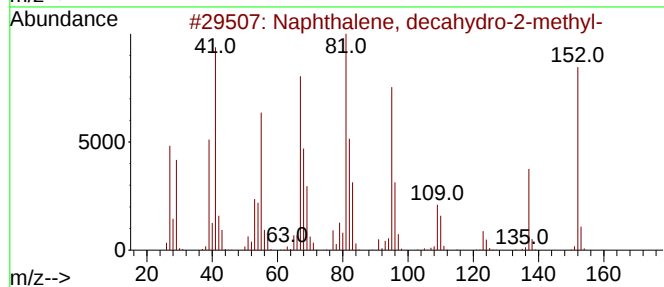
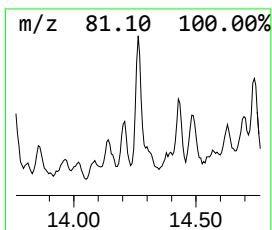
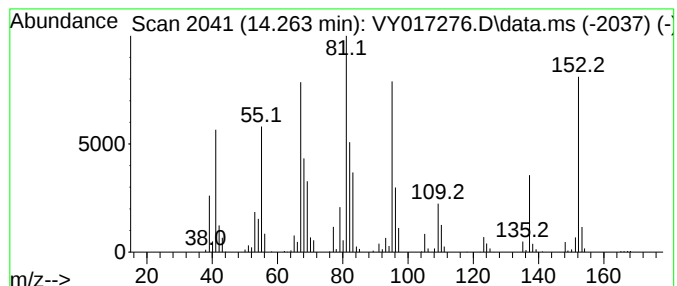
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Naphthalene, decahydro-2-me... Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.263 | 84.14 ug/l | 316937 | 1,4-Dichlorobenzene-d4 | 13.434 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1  | 97   |
| 2    |    |   | trans-Decalin, 2-methyl-            | 152 | C11H20  | 1000152-47-3 | 95   |
| 3    |    |   | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6  | 78   |
| 4    |    |   | Decalin, anti-1-methyl-, cis-       | 152 | C11H20  | 1000158-89-0 | 74   |
| 5    |    |   | Cyclohexene, 1-pentyl-              | 152 | C11H20  | 015232-85-6  | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020624\  
Data File : VY017276.D  
Acq On : 06 Feb 2024 19:46  
Operator : SY/MD  
Sample : P1358-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2302

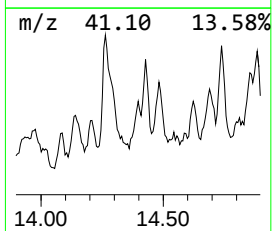
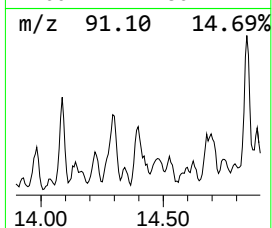
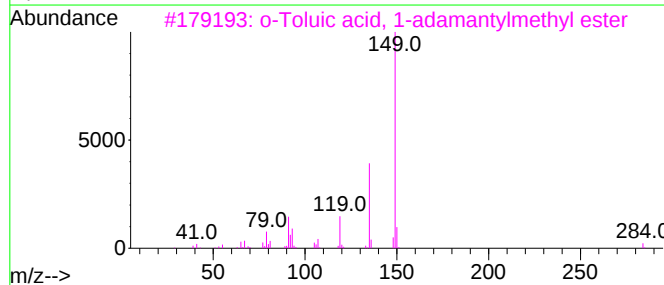
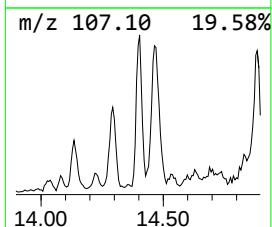
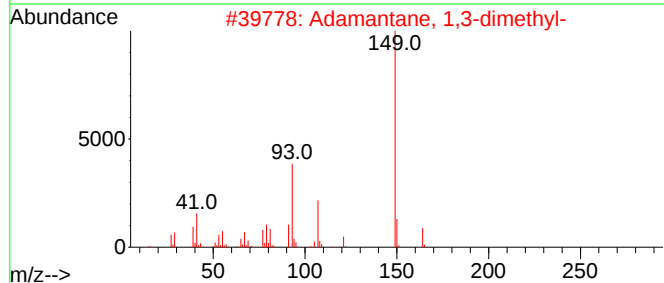
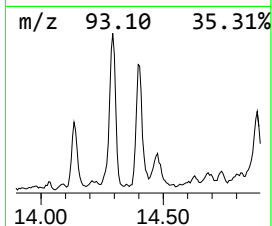
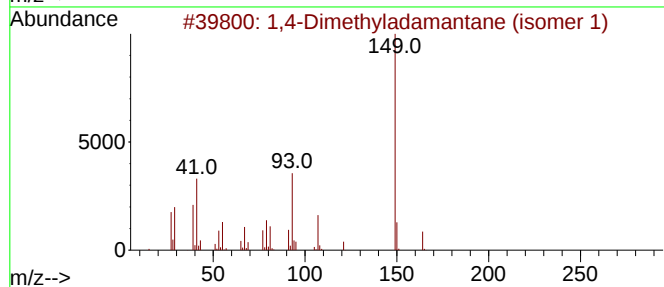
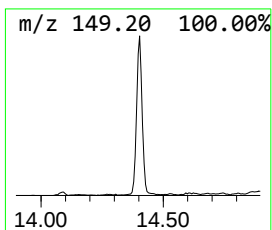
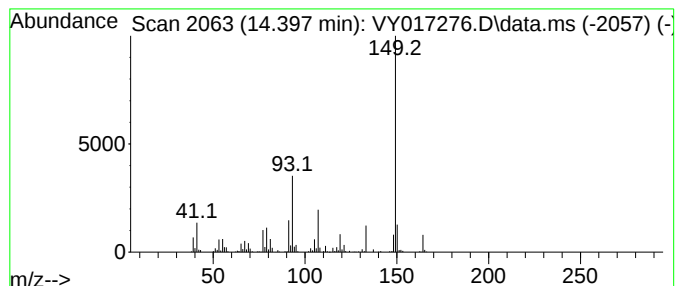
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Quant Title : SW846 8260

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

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Peak Number 4 Adamantane, 1,3-dimethyl- Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.397 | 67.43 ug/l | 254026 | 1,4-Dichlorobenzene-d4 | 13.434 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 1,4-Dimethyladamantane (isomer 1)   | 164 | C12H20   | 1000460-67-0 | 83   |
| 2    |    |   | Adamantane, 1,3-dimethyl-           | 164 | C12H20   | 000702-79-4  | 60   |
| 3    |    |   | o-Toluic acid, 1-adamantylmethyl... | 284 | C19H24O2 | 1000292-22-6 | 53   |
| 4    |    |   | 2,3,4,5,6-Pentamethylphenol         | 164 | C11H16O  | 002819-86-5  | 50   |
| 5    |    |   | Added stereo to name                | 164 | C12H20   | 024145-88-8  | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020624\  
Data File : VY017276.D  
Acq On : 06 Feb 2024 19:46  
Operator : SY/MD  
Sample : P1358-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2302

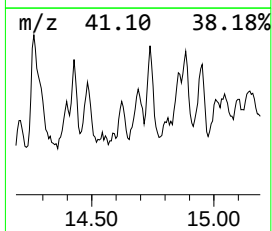
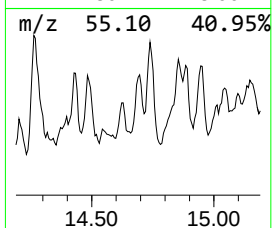
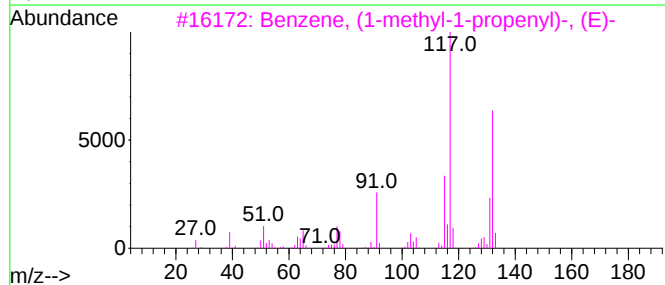
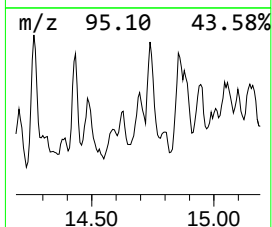
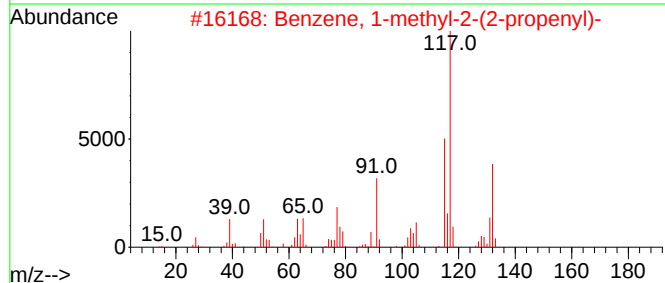
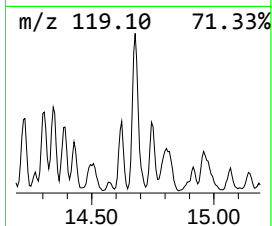
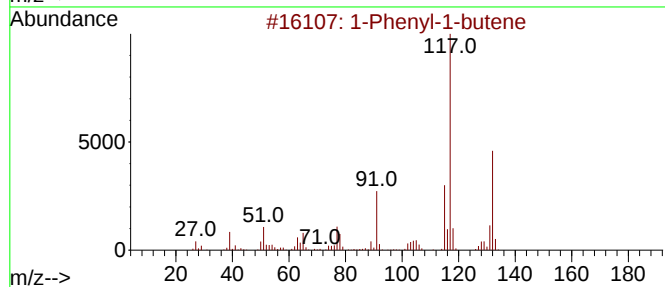
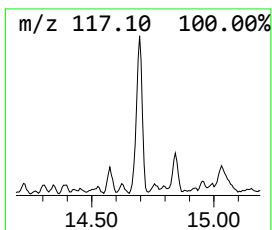
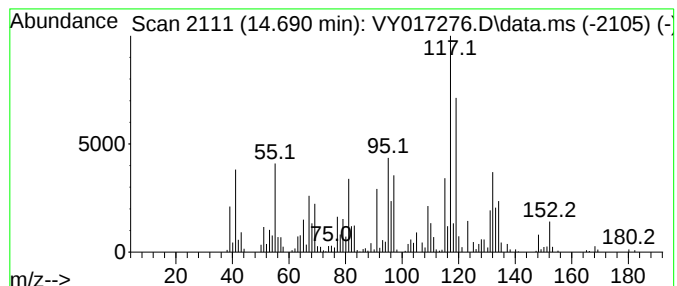
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Quant Title : SW846 8260

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

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Peak Number 5 1-Phenyl-1-butene Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.690 | 92.71 ug/l | 349243 | 1,4-Dichlorobenzene-d4 | 13.434 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Phenyl-1-butene                   | 132 | C10H12  | 000824-90-8 | 72   |
| 2    |    |   | Benzene, 1-methyl-2-(2-propenyl)-   | 132 | C10H12  | 001587-04-8 | 72   |
| 3    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 42   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-5-methyl-    | 132 | C10H12  | 000874-35-1 | 42   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-4-methyl-    | 132 | C10H12  | 000824-22-6 | 42   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020624\  
Data File : VY017276.D  
Acq On : 06 Feb 2024 19:46  
Operator : SY/MD  
Sample : P1358-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2302

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
Quant Title : SW846 8260

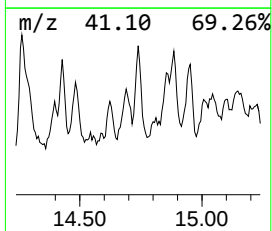
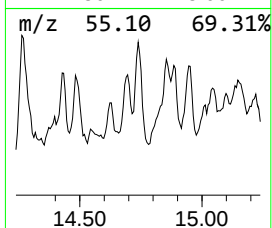
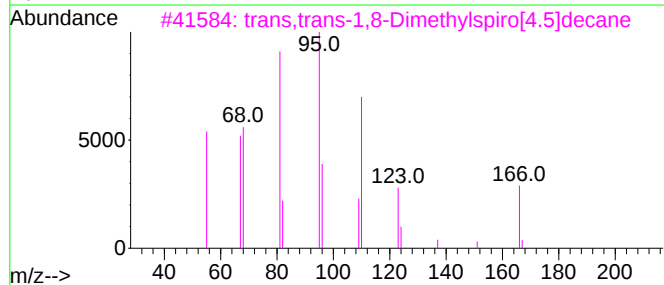
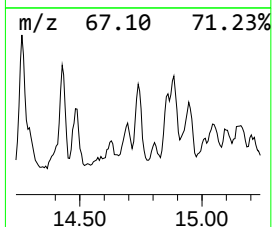
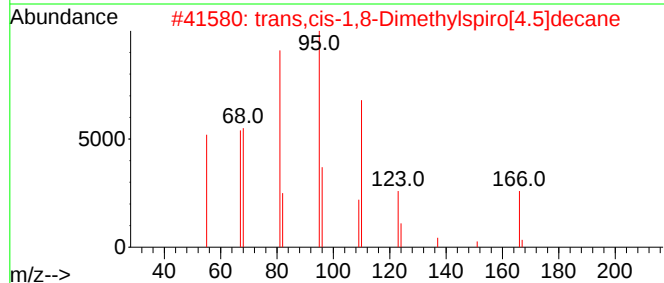
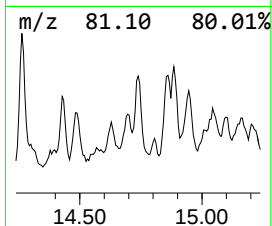
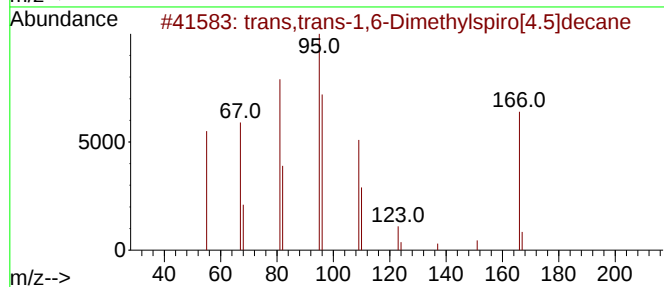
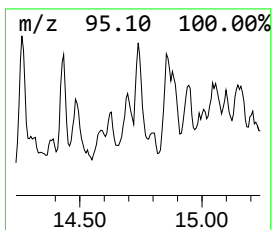
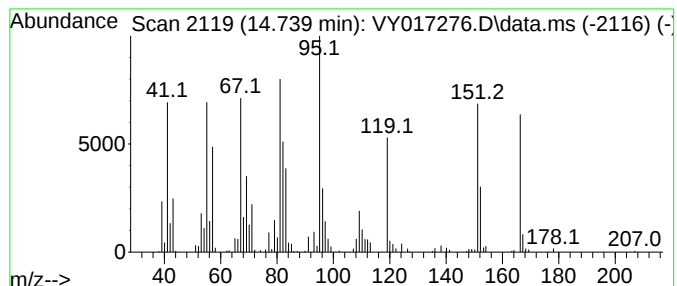
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 trans,trans-1,6-Dimethylspiro... Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.739 | 70.43 ug/l | 265306 | 1,4-Dichlorobenzene-d4 | 13.434 |

| Hit# | of | 5 | Tentative ID                             | MW  | MolForm | CAS#         | Qual |
|------|----|---|------------------------------------------|-----|---------|--------------|------|
| 1    |    |   | trans,trans-1,6-Dimethylspiro[4.5]decane | 166 | C12H22  | 1000111-72-1 | 55   |
| 2    |    |   | trans,cis-1,8-Dimethylspiro[4.5]decane   | 166 | C12H22  | 1000111-72-9 | 53   |
| 3    |    |   | trans,trans-1,8-Dimethylspiro[4.5]decane | 166 | C12H22  | 1000111-72-8 | 53   |
| 4    |    |   | cis,cis-1,6-Dimethylspiro[4.5]decane     | 166 | C12H22  | 1000111-72-4 | 49   |
| 5    |    |   | Bicyclo[3.1.1]heptane, 2,6,6-trimethyl-  | 138 | C10H18  | 004795-86-2  | 46   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020624\  
Data File : VY017276.D  
Acq On : 06 Feb 2024 19:46  
Operator : SY/MD  
Sample : P1358-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2302

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
Quant Title : SW846 8260

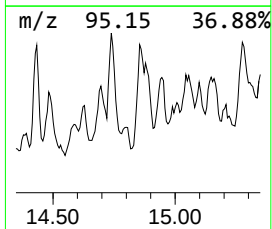
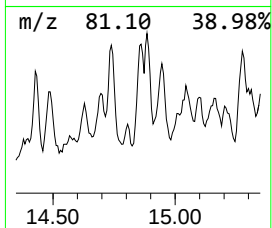
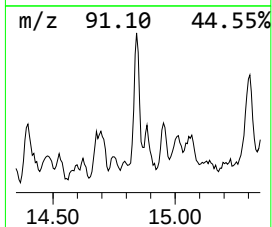
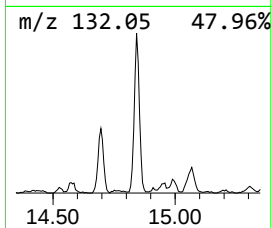
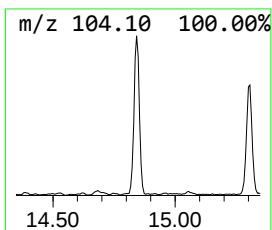
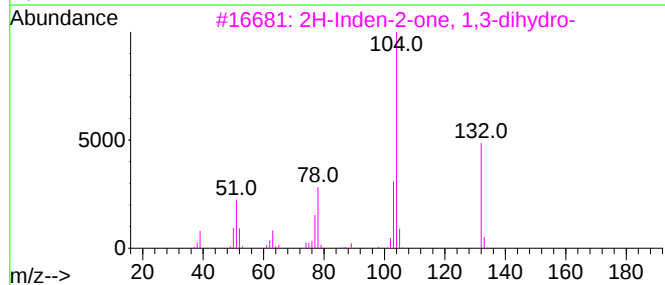
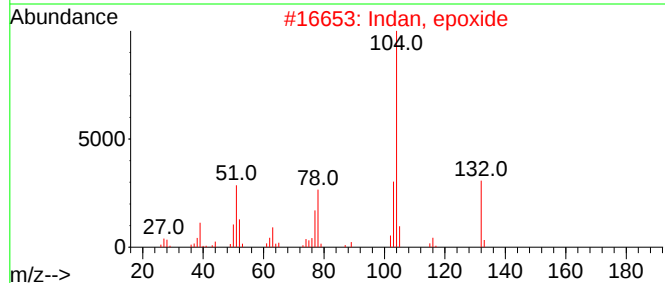
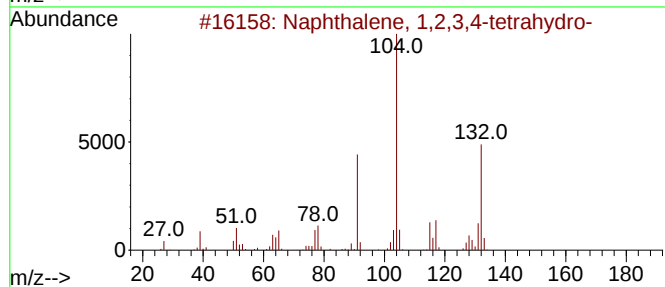
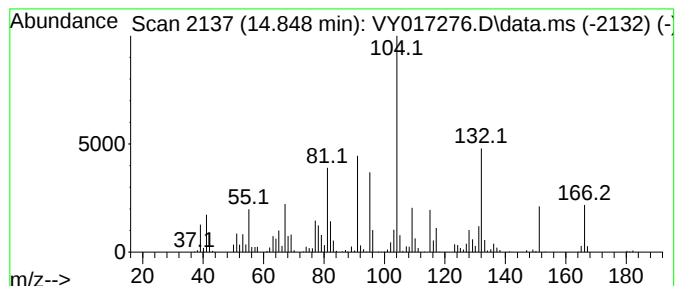
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.848 | 83.27 ug/l | 313684 | 1,4-Dichlorobenzene-d4 | 13.434 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-    | 132 | C10H12    | 000119-64-2  | 95   |
| 2    |    |   | Indan, epoxide                      | 132 | C9H8O     | 000768-22-9  | 46   |
| 3    |    |   | 2H-Inden-2-one, 1,3-dihydro-        | 132 | C9H8O     | 000615-13-4  | 38   |
| 4    |    |   | Benzene, 4-hexenyl-                 | 160 | C12H16    | 023086-43-3  | 27   |
| 5    |    |   | 2-Fluorobenzoic acid, 2-phenylet... | 244 | C15H13FO2 | 1000278-98-3 | 27   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020624\  
Data File : VY017276.D  
Acq On : 06 Feb 2024 19:46  
Operator : SY/MD  
Sample : P1358-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2302

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
Quant Title : SW846 8260

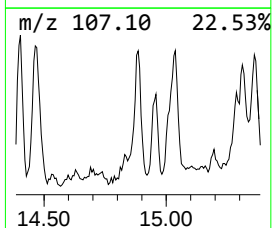
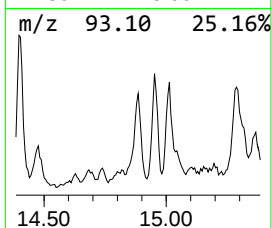
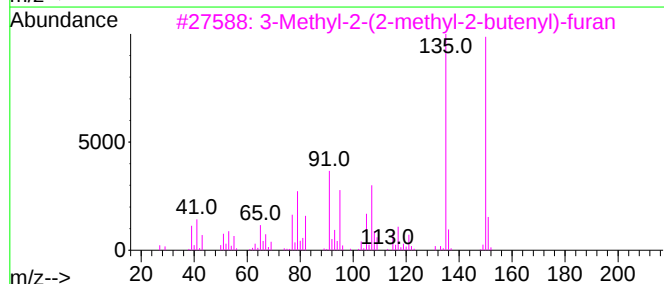
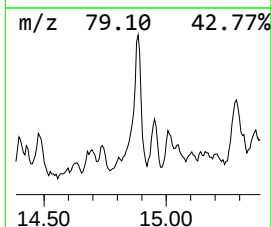
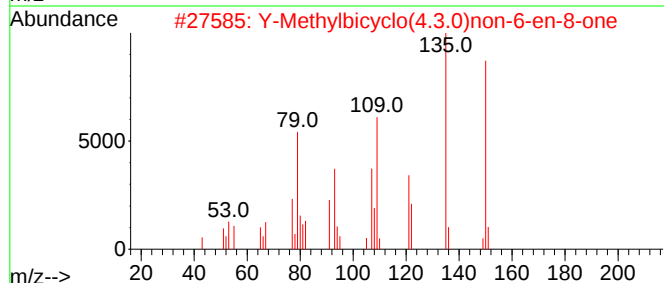
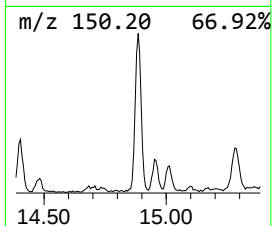
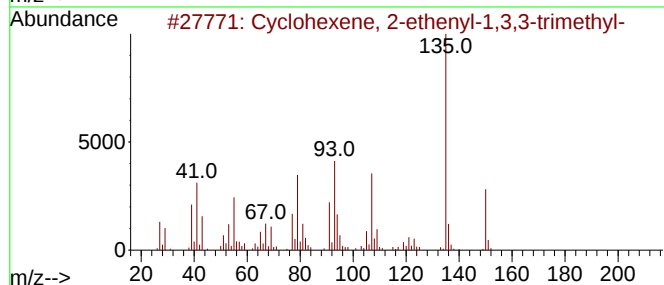
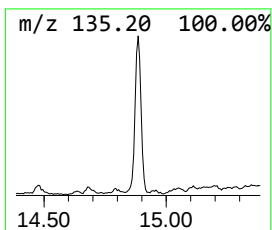
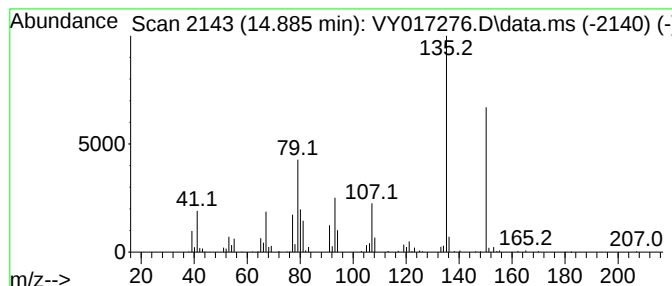
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Cyclohexene, 2-ethenyl-1,3,... Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.885 | 62.92 ug/l | 237025 | 1,4-Dichlorobenzene-d4 | 13.434 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Cyclohexene, 2-ethenyl-1,3,3-tri... | 150 | C11H18   | 005293-90-3  | 80   |
| 2    |    |   | Y-Methylbicyclo(4.3.0)non-6-en-8... | 150 | C10H14O  | 1000424-65-9 | 64   |
| 3    |    |   | 3-Methyl-2-(2-methyl-2-butenyl)-... | 150 | C10H14O  | 015186-51-3  | 50   |
| 4    |    |   | 1-Adamantyl methyl ketone           | 178 | C12H18O  | 001660-04-4  | 50   |
| 5    |    |   | 1-Bromoadamantane                   | 214 | C10H15Br | 000768-90-1  | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020624\  
Data File : VY017276.D  
Acq On : 06 Feb 2024 19:46  
Operator : SY/MD  
Sample : P1358-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2302

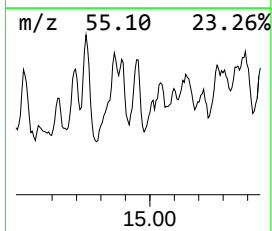
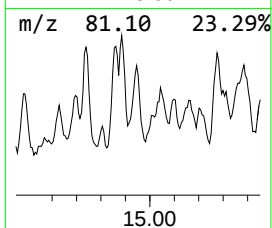
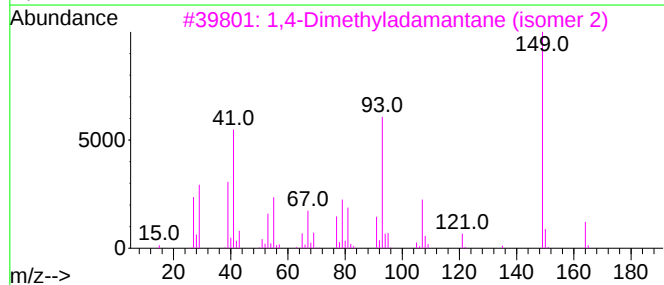
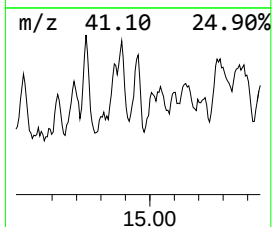
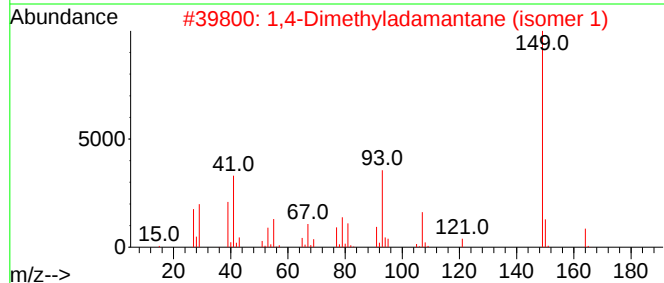
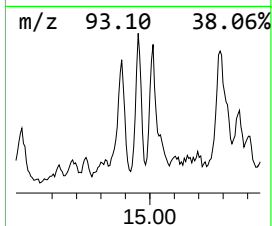
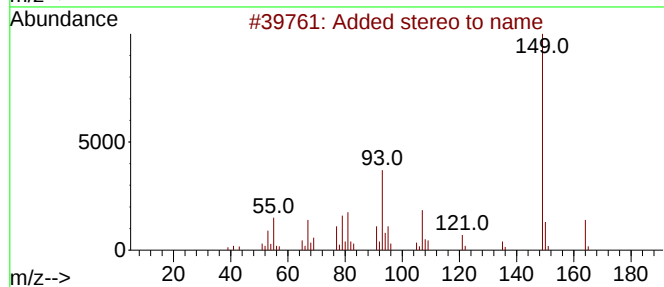
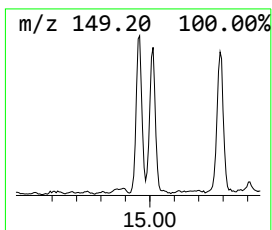
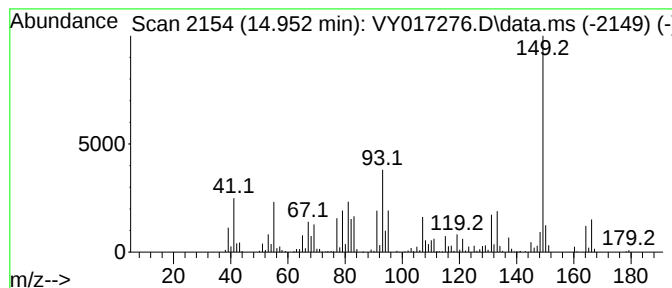
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
Quant Title : SW846 8260

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

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Peak Number 9 3-Methyl-1-adamantanecarbox... Concentration Rank 10

| R.T.      | EstConc                             | Area   | Relative to ISTD       |          | R.T.         |      |
|-----------|-------------------------------------|--------|------------------------|----------|--------------|------|
| 14.952    | 62.45 ug/l                          | 235234 | 1,4-Dichlorobenzene-d4 |          | 13.434       |      |
| Hit# of 5 | Tentative ID                        |        | MW                     | MolForm  | CAS#         | Qual |
| 1         | Added stereo to name                |        | 164                    | C12H20   | 024145-89-9  | 76   |
| 2         | 1,4-Dimethyladamantane (isomer 1)   |        | 164                    | C12H20   | 1000460-67-0 | 70   |
| 3         | 1,4-Dimethyladamantane (isomer 2)   |        | 164                    | C12H20   | 1000460-67-1 | 62   |
| 4         | 3-Methyl-1-adamantanecarboxylic ... |        | 194                    | C12H18O2 | 1000504-38-9 | 53   |
| 5         | Adamantane, 1,3-dimethyl-           |        | 164                    | C12H20   | 000702-79-4  | 52   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020624\  
Data File : VY017276.D  
Acq On : 06 Feb 2024 19:46  
Operator : SY/MD  
Sample : P1358-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2302

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
Quant Title : SW846 8260

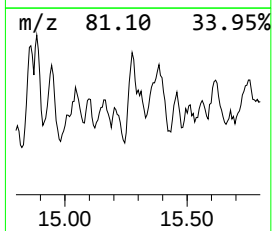
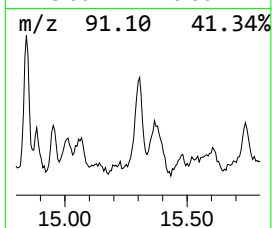
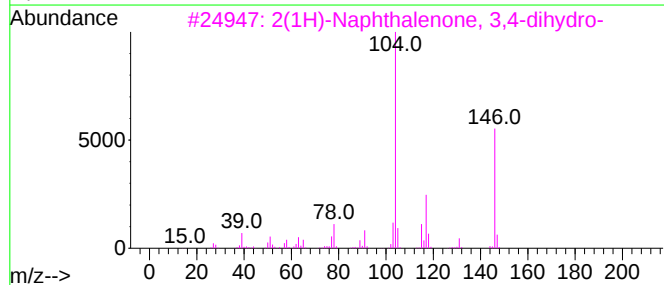
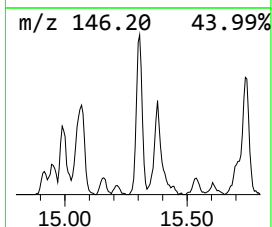
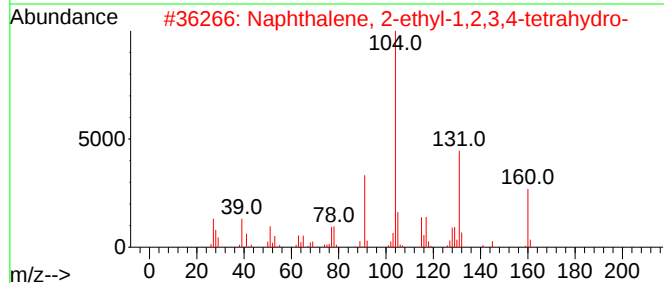
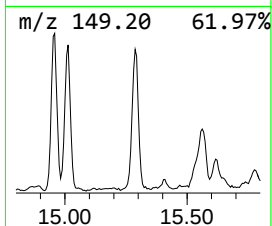
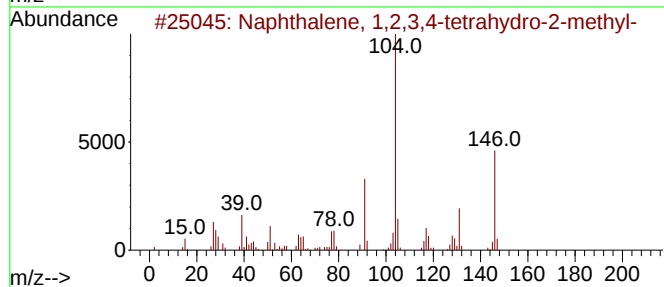
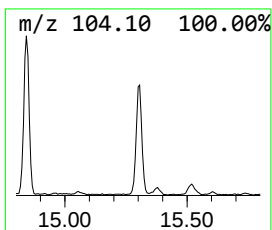
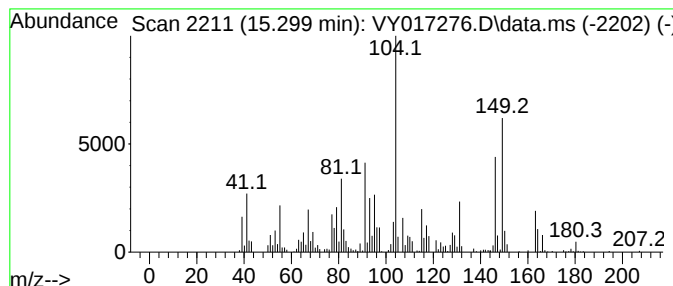
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 15.300 | 152.08 ug/l | 572872 | 1,4-Dichlorobenzene-d4 | 13.434 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 003877-19-8 | 70   |
| 2    |    |   | Naphthalene, 2-ethyl-1,2,3,4-tet... | 160 | C12H16   | 032367-54-7 | 38   |
| 3    |    |   | 2(1H)-Naphthalenone, 3,4-dihydro-   | 146 | C10H10O  | 000530-93-8 | 38   |
| 4    |    |   | Naphth[1,2-b]oxirene, 1a,2,3,7b-... | 146 | C10H10O  | 002461-34-9 | 38   |
| 5    |    |   | Benzenepropanoic acid, methyl ester | 164 | C10H12O2 | 000103-25-3 | 25   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020624\  
Data File : VY017276.D  
Acq On : 06 Feb 2024 19:46  
Operator : SY/MD  
Sample : P1358-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2302

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.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 |
| Naphthalene, de... | 13.757 | 102.2   | ug/l  | 384824   | 4                     | 13.434 | 188350 | 50.0 |
| Benzene, 1,3-di... | 14.086 | 64.3    | ug/l  | 242290   | 4                     | 13.434 | 188350 | 50.0 |
| Naphthalene, de... | 14.263 | 84.1    | ug/l  | 316937   | 4                     | 13.434 | 188350 | 50.0 |
| Adamantane, 1,3... | 14.397 | 67.4    | ug/l  | 254026   | 4                     | 13.434 | 188350 | 50.0 |
| 1-Phenyl-1-butene  | 14.690 | 92.7    | ug/l  | 349243   | 4                     | 13.434 | 188350 | 50.0 |
| trans,trans-1,6... | 14.739 | 70.4    | ug/l  | 265306   | 4                     | 13.434 | 188350 | 50.0 |
| Naphthalene, 1,... | 14.848 | 83.3    | ug/l  | 313684   | 4                     | 13.434 | 188350 | 50.0 |
| Cyclohexene, 2-... | 14.885 | 62.9    | ug/l  | 237025   | 4                     | 13.434 | 188350 | 50.0 |
| 3-Methyl-1-adam... | 14.952 | 62.5    | ug/l  | 235234   | 4                     | 13.434 | 188350 | 50.0 |
| Naphthalene, 1,... | 15.300 | 152.1   | ug/l  | 572872   | 4                     | 13.434 | 188350 | 50.0 |