

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
 Data File : VY007379.D  
 Acq On : 03 Feb 2022 16:28  
 Operator : SY/MD  
 Sample : N1381-07  
 Misc : 6.60g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DB-07(13.5-15)-02-02-22

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\82Y020222S.M  
 Title : SW846 8260

Signal : TIC: VY007379.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         | 2.247       | 60            | 70          | 77           | rBV2     | 7585           | 15590         | 1.02%           | 0.082%        |
| 2         | 3.942       | 340           | 348         | 361          | rVB      | 9362           | 25705         | 1.68%           | 0.134%        |
| 3         | 6.692       | 787           | 799         | 807          | rBV6     | 6109           | 20667         | 1.35%           | 0.108%        |
| 4         | 7.716       | 956           | 967         | 973          | rBV      | 90351          | 229179        | 15.02%          | 1.199%        |
| 5         | 7.789       | 973           | 979         | 987          | rVV2     | 181414         | 425392        | 27.88%          | 2.226%        |
| 6         | 7.868       | 987           | 992         | 1005         | rVB2     | 16833          | 44174         | 2.89%           | 0.231%        |
| 7         | 7.996       | 1005          | 1013        | 1018         | rBV      | 13872          | 33546         | 2.20%           | 0.176%        |
| 8         | 8.051       | 1018          | 1022        | 1029         | rVV3     | 9141           | 22101         | 1.45%           | 0.116%        |
| 9         | 8.143       | 1029          | 1037        | 1047         | rVB      | 81838          | 180001        | 11.80%          | 0.942%        |
| 10        | 8.271       | 1047          | 1058        | 1065         | rBV4     | 15062          | 42176         | 2.76%           | 0.221%        |
| 11        | 8.344       | 1066          | 1070        | 1075         | rVV5     | 9854           | 23507         | 1.54%           | 0.123%        |
| 12        | 8.417       | 1076          | 1082        | 1090         | rVV      | 25379          | 60307         | 3.95%           | 0.316%        |
| 13        | 8.545       | 1093          | 1103        | 1111         | rBV3     | 11810          | 26895         | 1.76%           | 0.141%        |
| 14        | 8.691       | 1119          | 1127        | 1136         | rBV      | 247064         | 504626        | 33.07%          | 2.640%        |
| 15        | 9.179       | 1194          | 1207        | 1214         | rBV4     | 84566          | 254736        | 16.69%          | 1.333%        |
| 16        | 9.246       | 1214          | 1218        | 1225         | rVB4     | 18970          | 42224         | 2.77%           | 0.221%        |
| 17        | 9.368       | 1233          | 1238        | 1244         | rBV2     | 11875          | 23069         | 1.51%           | 0.121%        |
| 18        | 9.459       | 1244          | 1253        | 1260         | rBV3     | 34208          | 76426         | 5.01%           | 0.400%        |
| 19        | 9.606       | 1272          | 1277        | 1284         | rVB3     | 46024          | 90194         | 5.91%           | 0.472%        |
| 20        | 9.709       | 1289          | 1294        | 1297         | rBV4     | 9649           | 16947         | 1.11%           | 0.089%        |
| 21        | 9.758       | 1297          | 1302        | 1305         | rBV4     | 12941          | 20831         | 1.37%           | 0.109%        |
| 22        | 9.819       | 1305          | 1312        | 1315         | rBV3     | 47784          | 91423         | 5.99%           | 0.478%        |
| 23        | 9.941       | 1325          | 1332        | 1339         | rBV4     | 43147          | 126148        | 8.27%           | 0.660%        |
| 24        | 10.057      | 1346          | 1351        | 1357         | rBV3     | 35003          | 78805         | 5.16%           | 0.412%        |
| 25        | 10.179      | 1363          | 1371        | 1386         | rBV      | 452259         | 903077        | 59.18%          | 4.725%        |
| 26        | 10.301      | 1387          | 1391        | 1394         | rBV2     | 16779          | 28086         | 1.84%           | 0.147%        |
| 27        | 10.368      | 1394          | 1402        | 1409         | rVB3     | 86568          | 252809        | 16.57%          | 1.323%        |
| 28        | 10.477      | 1416          | 1420        | 1423         | rVV2     | 22483          | 38556         | 2.53%           | 0.202%        |
| 29        | 10.520      | 1423          | 1427        | 1433         | rVB      | 88144          | 148300        | 9.72%           | 0.776%        |
| 30        | 10.606      | 1435          | 1441        | 1449         | rBV3     | 99969          | 240135        | 15.74%          | 1.256%        |
| 31        | 10.709      | 1454          | 1458        | 1461         | rVB4     | 26557          | 37624         | 2.47%           | 0.197%        |
| 32        | 10.758      | 1461          | 1466        | 1469         | rBV2     | 24135          | 43992         | 2.88%           | 0.230%        |
| 33        | 10.801      | 1469          | 1473        | 1478         | rVB      | 80086          | 125840        | 8.25%           | 0.658%        |
| 34        | 10.880      | 1478          | 1486        | 1488         | rBV3     | 46743          | 103482        | 6.78%           | 0.541%        |
| 35        | 10.965      | 1496          | 1500        | 1503         | rBV4     | 28425          | 43913         | 2.88%           | 0.230%        |
| 36        | 11.002      | 1503          | 1506        | 1508         | rVV2     | 39070          | 49777         | 3.26%           | 0.260%        |

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 ALS Vial : 17 Sample Multiplier: 1

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 ClientSampleId :  
 DB-07(13.5-15)-02-02-22

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

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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\82Y020222S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |         |        |
|----|--------|------|------|------|------|--------|---------|---------|--------|
| 37 | 11.032 | 1508 | 1511 | 1515 | rVV  | 80992  | 133676  | 8.76%   | 0.699% |
| 38 | 11.087 | 1515 | 1520 | 1525 | rVB  | 303471 | 515025  | 33.75%  | 2.695% |
| 39 | 11.142 | 1525 | 1529 | 1533 | rBV3 | 69563  | 103754  | 6.80%   | 0.543% |
| 40 | 11.197 | 1533 | 1538 | 1543 | rVB3 | 94632  | 185692  | 12.17%  | 0.972% |
| 41 | 11.294 | 1543 | 1554 | 1563 | rVB6 | 131685 | 393605  | 25.79%  | 2.059% |
| 42 | 11.380 | 1563 | 1568 | 1571 | rBV  | 86077  | 145318  | 9.52%   | 0.760% |
| 43 | 11.490 | 1580 | 1586 | 1591 | rBV  | 305445 | 495773  | 32.49%  | 2.594% |
| 44 | 11.581 | 1597 | 1601 | 1603 | rBV  | 23296  | 34739   | 2.28%   | 0.182% |
| 45 | 11.624 | 1604 | 1608 | 1612 | rVV3 | 75542  | 126584  | 8.30%   | 0.662% |
| 46 | 11.679 | 1612 | 1617 | 1620 | rVV3 | 99082  | 189431  | 12.41%  | 0.991% |
| 47 | 11.739 | 1621 | 1627 | 1638 | rVB6 | 181521 | 659495  | 43.22%  | 3.450% |
| 48 | 11.837 | 1638 | 1643 | 1647 | rBV6 | 54347  | 107201  | 7.03%   | 0.561% |
| 49 | 11.892 | 1647 | 1652 | 1656 | rBV3 | 89991  | 150241  | 9.85%   | 0.786% |
| 50 | 11.996 | 1662 | 1669 | 1675 | rBV3 | 180037 | 464817  | 30.46%  | 2.432% |
| 51 | 12.056 | 1675 | 1679 | 1682 | rVV  | 116099 | 189337  | 12.41%  | 0.991% |
| 52 | 12.124 | 1686 | 1690 | 1693 | rVB  | 128113 | 179498  | 11.76%  | 0.939% |
| 53 | 12.160 | 1693 | 1696 | 1697 | rBV  | 57698  | 57508   | 3.77%   | 0.301% |
| 54 | 12.197 | 1698 | 1702 | 1705 | rVV4 | 186568 | 344648  | 22.59%  | 1.803% |
| 55 | 12.233 | 1705 | 1708 | 1713 | rVB4 | 189270 | 328227  | 21.51%  | 1.717% |
| 56 | 12.300 | 1713 | 1719 | 1723 | rBV7 | 139649 | 298027  | 19.53%  | 1.559% |
| 57 | 12.489 | 1743 | 1750 | 1756 | rBV2 | 823219 | 1525984 | 100.00% | 7.984% |
| 58 | 12.642 | 1771 | 1775 | 1781 | rVB2 | 293986 | 495809  | 32.49%  | 2.594% |
| 59 | 12.739 | 1782 | 1791 | 1796 | rBV7 | 142857 | 447138  | 29.30%  | 2.339% |
| 60 | 12.806 | 1796 | 1802 | 1811 | rBV6 | 223596 | 634635  | 41.59%  | 3.320% |
| 61 | 12.940 | 1821 | 1824 | 1829 | rVB4 | 164775 | 276682  | 18.13%  | 1.448% |
| 62 | 13.038 | 1829 | 1840 | 1843 | rBV4 | 199178 | 515423  | 33.78%  | 2.697% |
| 63 | 13.129 | 1850 | 1855 | 1858 | rBV3 | 124915 | 226357  | 14.83%  | 1.184% |
| 64 | 13.166 | 1858 | 1861 | 1863 | rBV2 | 58688  | 82656   | 5.42%   | 0.432% |
| 65 | 13.251 | 1871 | 1875 | 1878 | rBV5 | 79435  | 138679  | 9.09%   | 0.726% |
| 66 | 13.398 | 1895 | 1899 | 1901 | rBV4 | 94157  | 148501  | 9.73%   | 0.777% |
| 67 | 13.495 | 1912 | 1915 | 1918 | rBV2 | 43343  | 63651   | 4.17%   | 0.333% |
| 68 | 13.611 | 1930 | 1934 | 1937 | rBV3 | 89579  | 148764  | 9.75%   | 0.778% |
| 69 | 13.745 | 1950 | 1956 | 1968 | rBV4 | 305051 | 660343  | 43.27%  | 3.455% |
| 70 | 13.959 | 1987 | 1991 | 1998 | rVB7 | 128209 | 225454  | 14.77%  | 1.180% |
| 71 | 14.123 | 2014 | 2018 | 2026 | rVB3 | 198882 | 400552  | 26.25%  | 2.096% |
| 72 | 14.196 | 2026 | 2030 | 2035 | rBV5 | 57128  | 115411  | 7.56%   | 0.604% |
| 73 | 14.257 | 2035 | 2040 | 2041 | rBV2 | 225705 | 328796  | 21.55%  | 1.720% |
| 74 | 14.282 | 2041 | 2044 | 2054 | rVB  | 373728 | 703245  | 46.08%  | 3.679% |
| 75 | 14.391 | 2057 | 2062 | 2064 | rBV  | 211949 | 333660  | 21.87%  | 1.746% |
| 76 | 14.471 | 2070 | 2075 | 2085 | rVB6 | 143868 | 335153  | 21.96%  | 1.754% |

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MSVOA\_Y  
ClientSampleId :  
DB-07(13.5-15)-02-02-22

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Integrator: RTE

Smoothing : ON

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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\82Y020222S.M

Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 77 | 14.727 | 2114 | 2117 | 2123 | rVB3 | 173829 | 270971 | 17.76% | 1.418% |
| 78 | 14.873 | 2137 | 2141 | 2146 | rVB  | 190087 | 288395 | 18.90% | 1.509% |
| 79 | 14.940 | 2148 | 2152 | 2156 | rVB2 | 183419 | 275703 | 18.07% | 1.442% |
| 80 | 15.001 | 2157 | 2162 | 2164 | rBV  | 120311 | 210637 | 13.80% | 1.102% |
| 81 | 15.269 | 2201 | 2206 | 2214 | rBV4 | 160603 | 420102 | 27.53% | 2.198% |
| 82 | 16.470 | 2399 | 2403 | 2418 | rVB6 | 89147  | 247639 | 16.23% | 1.296% |

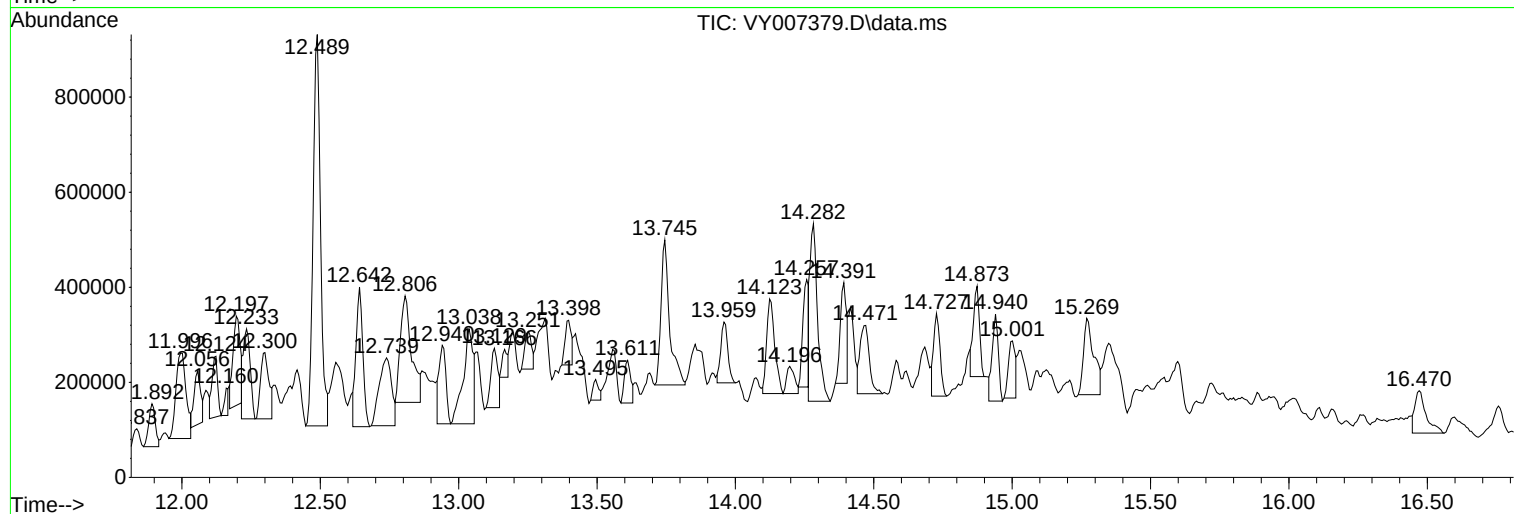
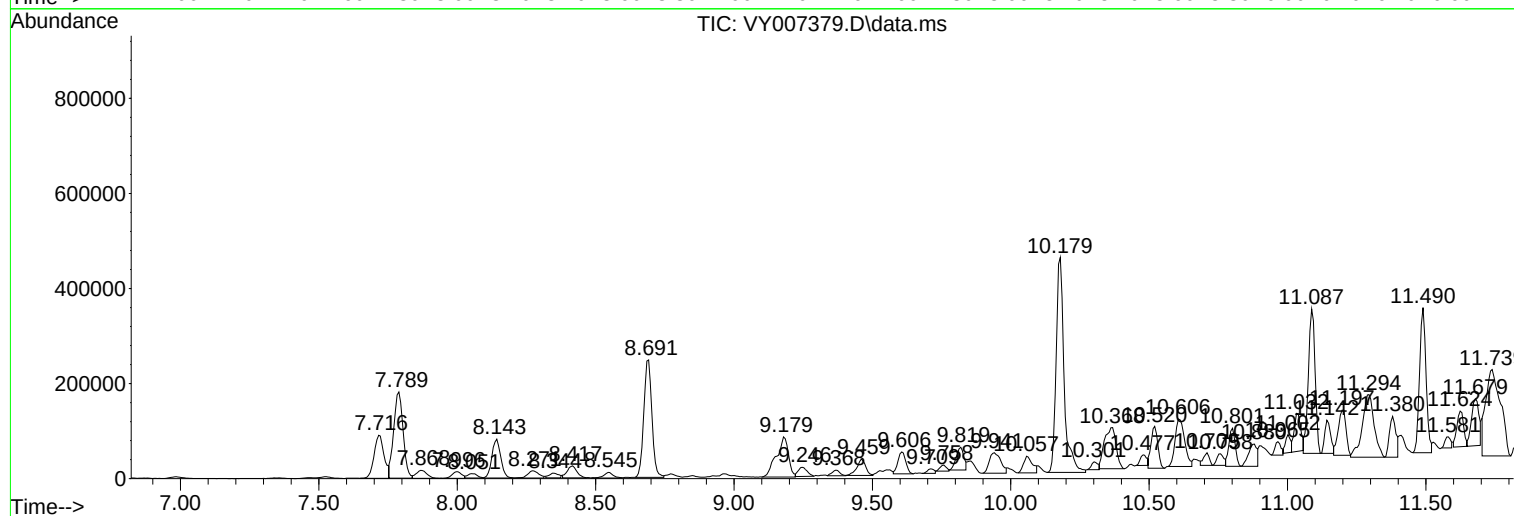
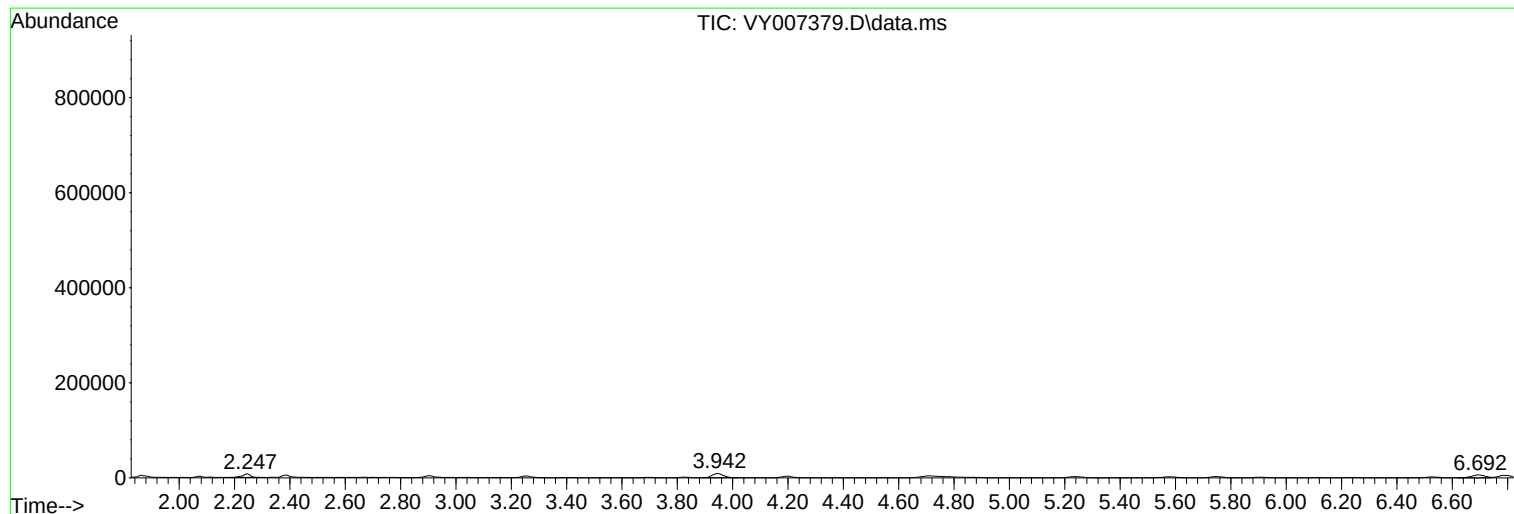
Sum of corrected areas: 19113196

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
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Instrument :  
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DB-07(13.5-15)-02-02-22

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
Quant Title : SW846 8260

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



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Misc : 6.60g/5.0mL/MSVOA\_Y/SOIL  
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Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-07(13.5-15)-02-02-22

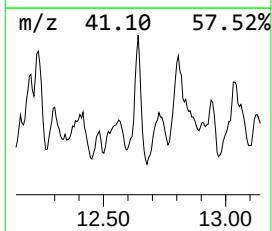
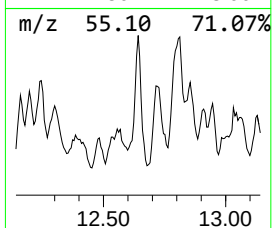
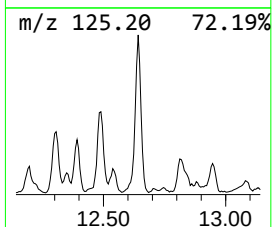
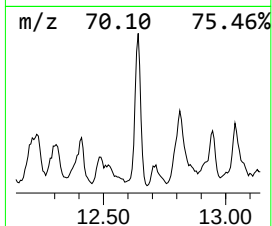
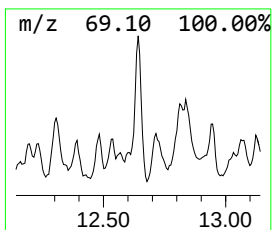
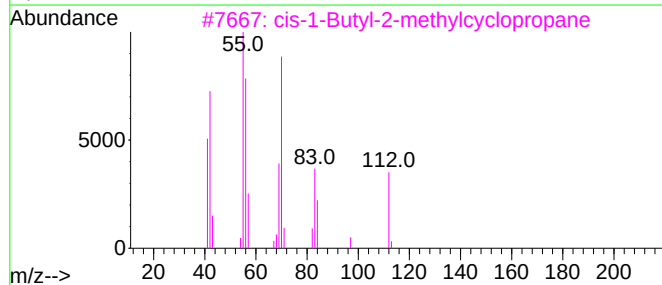
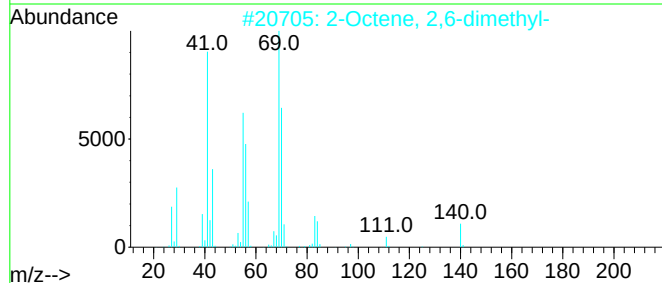
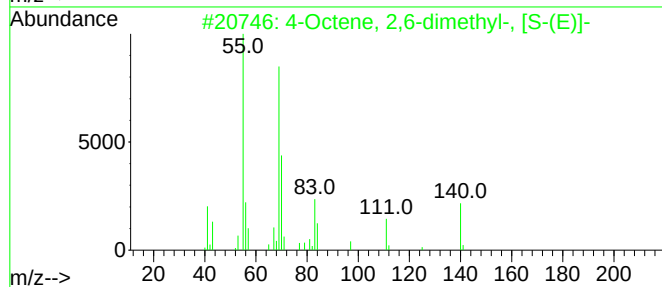
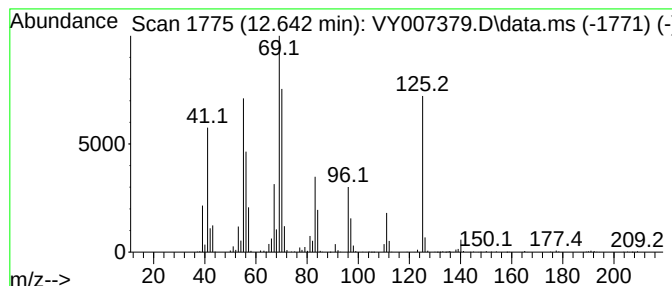
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
Quant Title : SW846 8260

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

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Peak Number 1 4-Octene, 2,6-dimethyl-, [S... Concentration Rank 3

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 12.642 | 166.94 ug/l | 495809 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------------------|-----|---------|-------------|------|
| 1    |      | 4-Octene, 2,6-dimethyl-, [S-(E)]-  | 140 | C10H20  | 062960-76-3 | 58   |
| 2    |      | 2-Octene, 2,6-dimethyl-            | 140 | C10H20  | 004057-42-5 | 50   |
| 3    |      | cis-1-Butyl-2-methylcyclopropane   | 112 | C8H16   | 038851-69-3 | 50   |
| 4    |      | trans-1-Butyl-2-methylcyclopropane | 112 | C8H16   | 038851-70-6 | 50   |
| 5    |      | Cyclohexane, 1,1,2,3-tetramethyl-  | 140 | C10H20  | 006783-92-2 | 46   |



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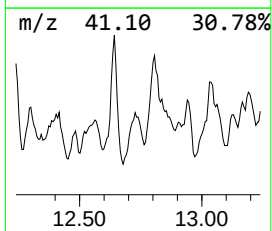
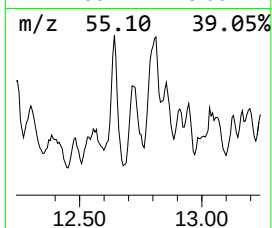
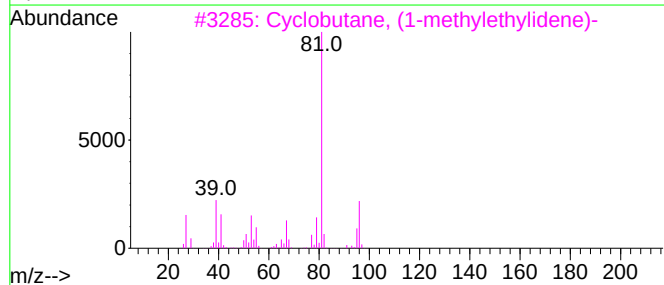
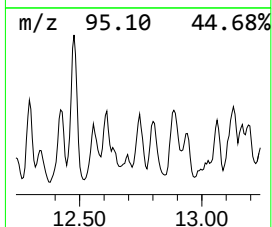
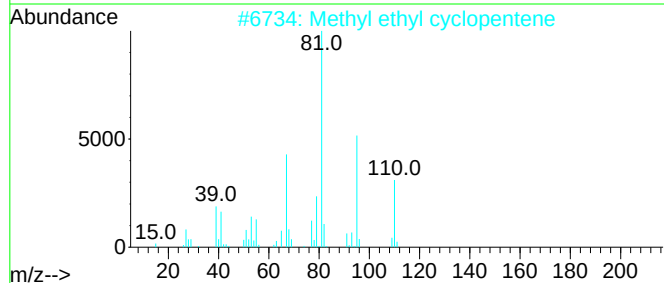
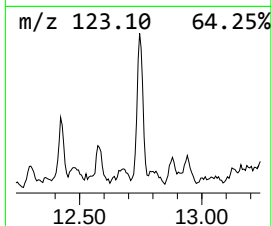
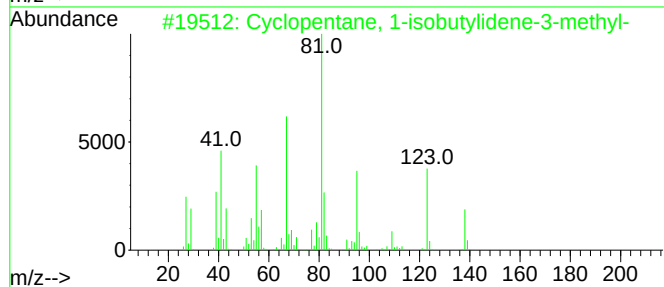
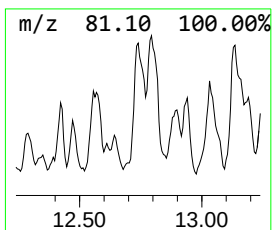
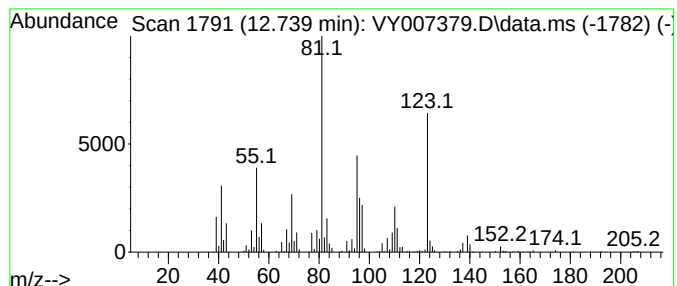
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Cyclopentane, 1-isobutylidene... Concentration Rank 4

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 12.739 | 150.55 ug/l | 447138 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Cyclopentane, 1-isobutylidene-3-...  | 138 | C10H18  | 1000150-62-1 | 53   |
| 2    |    |   | Methyl ethyl cyclopentene            | 110 | C8H14   | 019780-56-4  | 43   |
| 3    |    |   | Cyclobutane, (1-methylethylidene)-   | 96  | C7H12   | 001528-22-9  | 38   |
| 4    |    |   | Cyclohexene, 1-ethyl-                | 110 | C8H14   | 001453-24-3  | 35   |
| 5    |    |   | cis-1,3,3-trimethylbicyclo[3.1.0]... | 152 | C10H16O | 1000365-94-2 | 32   |



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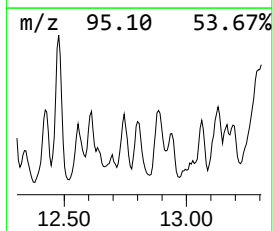
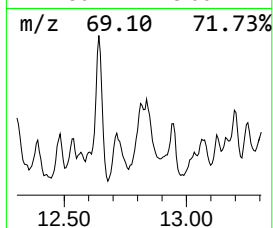
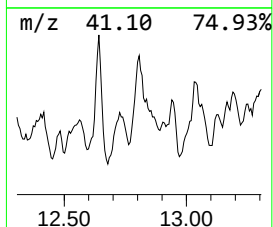
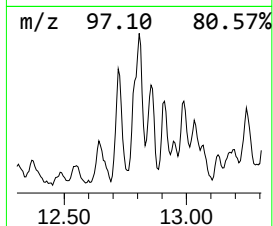
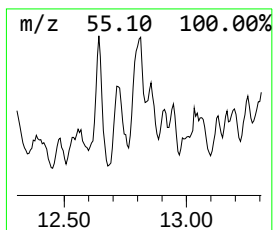
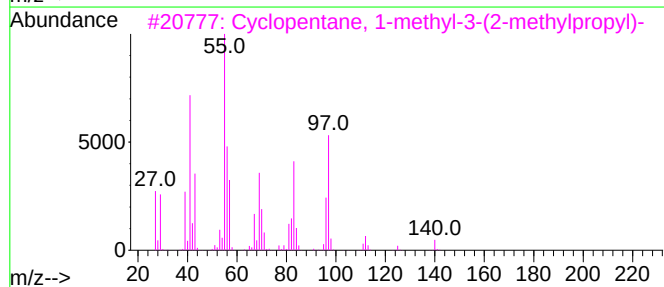
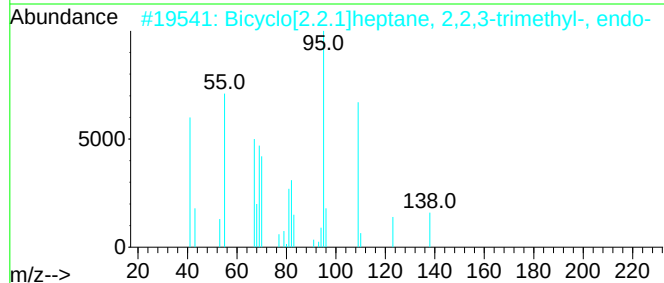
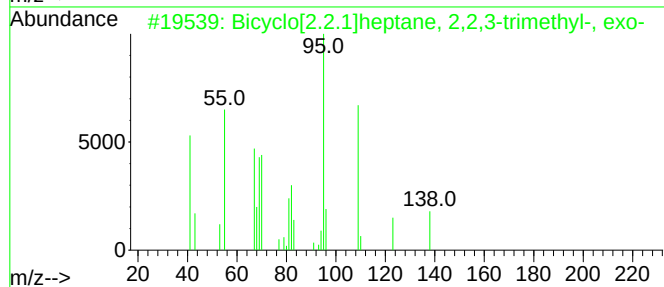
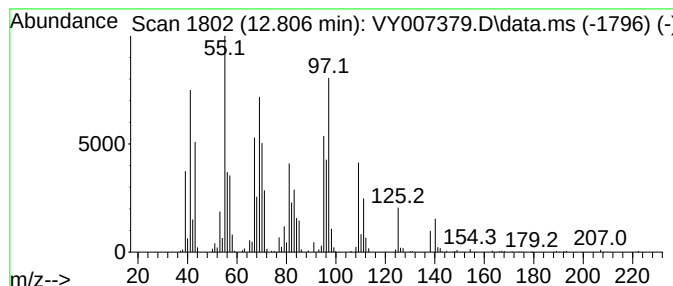
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Quant Title : SW846 8260

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

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Peak Number 3 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 2

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 12.806 | 213.68 ug/l | 634635 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Bicyclo[2.2.1]heptane, 2,2,3-tri... | 138 | C10H18  | 020536-41-8 | 50   |
| 2    |    |   | Bicyclo[2.2.1]heptane, 2,2,3-tri... | 138 | C10H18  | 020536-40-7 | 50   |
| 3    |    |   | Cyclopentane, 1-methyl-3-(2-meth... | 140 | C10H20  | 029053-04-1 | 43   |
| 4    |    |   | Hexahydropyrrolizin-3-one           | 125 | C7H11NO | 126424-83-7 | 42   |
| 5    |    |   | 1-Azabicyclo[2.2.2]octan-3-one      | 125 | C7H11NO | 003731-38-2 | 30   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
Data File : VY007379.D  
Acq On : 03 Feb 2022 16:28  
Operator : SY/MD  
Sample : N1381-07  
Misc : 6.60g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-07(13.5-15)-02-02-22

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
Quant Title : SW846 8260

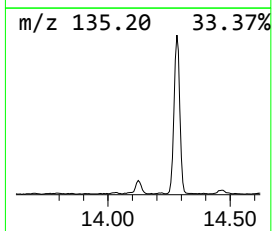
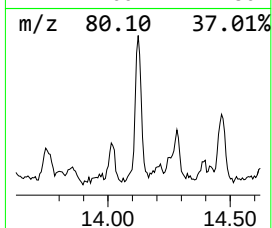
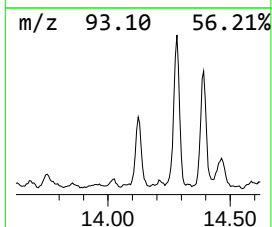
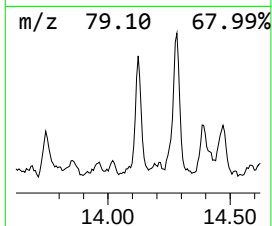
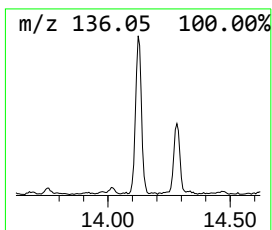
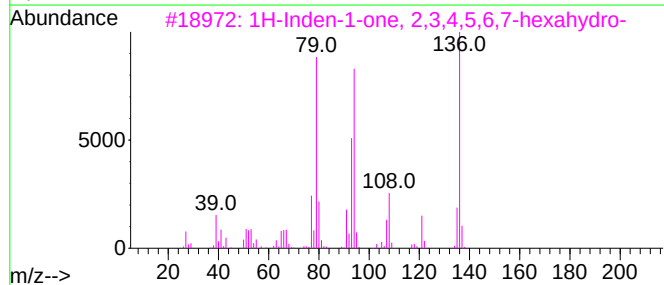
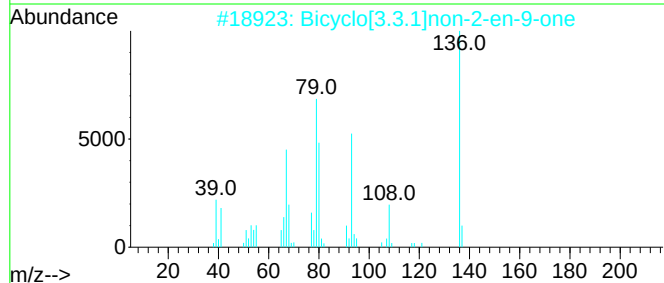
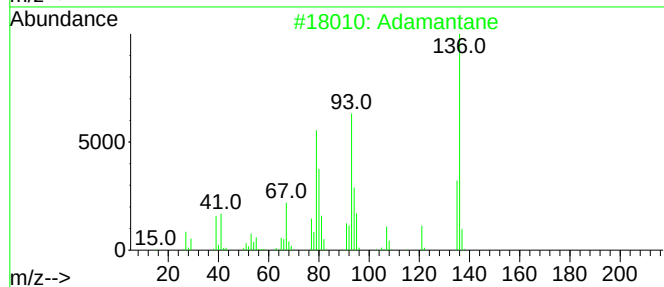
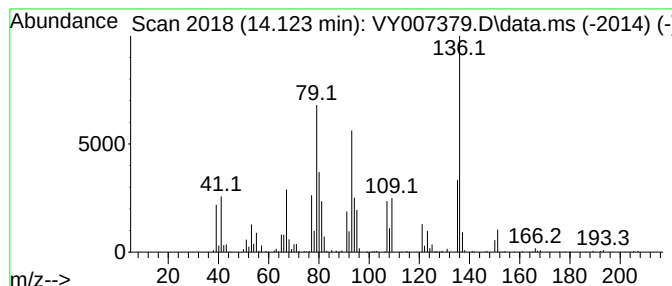
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 Adamantane Concentration Rank 6

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 14.123 | 134.87 ug/l | 400552 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Adamantane                          | 136 | C10H16  | 000281-23-2 | 94   |
| 2    |    |   | Bicyclo[3.3.1]non-2-en-9-one        | 136 | C9H12O  | 004844-11-5 | 58   |
| 3    |    |   | 1H-Inden-1-one, 2,3,4,5,6,7-hexa... | 136 | C9H12O  | 022118-00-9 | 52   |
| 4    |    |   | .gamma.-Terpinene                   | 136 | C10H16  | 000099-85-4 | 47   |
| 5    |    |   | Cyclohexene, 5-methyl-3-(1-methy... | 136 | C10H16  | 056816-08-1 | 46   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
Data File : VY007379.D  
Acq On : 03 Feb 2022 16:28  
Operator : SY/MD  
Sample : N1381-07  
Misc : 6.60g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-07(13.5-15)-02-02-22

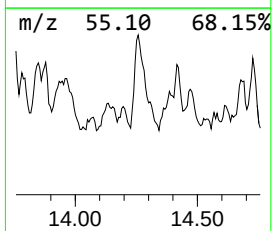
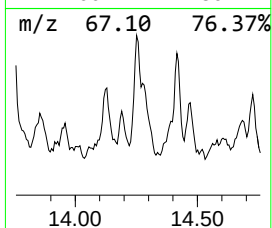
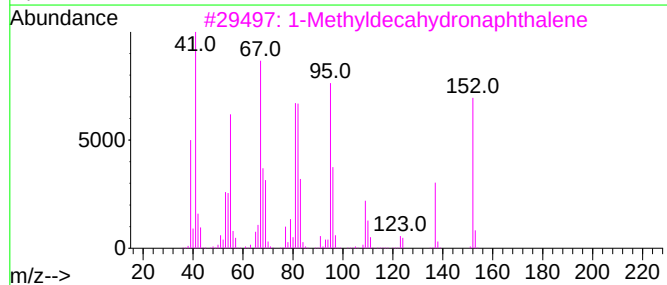
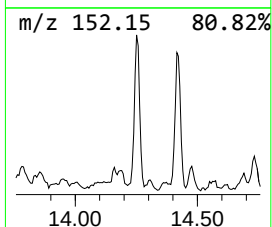
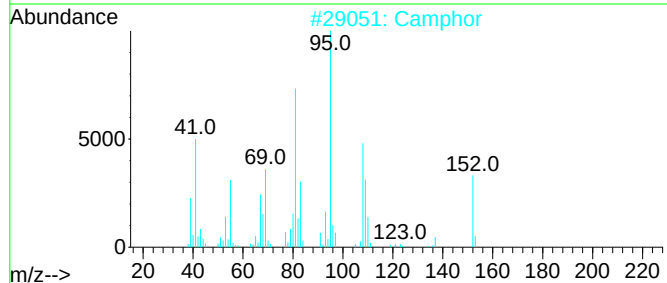
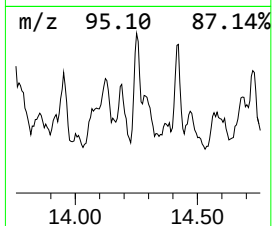
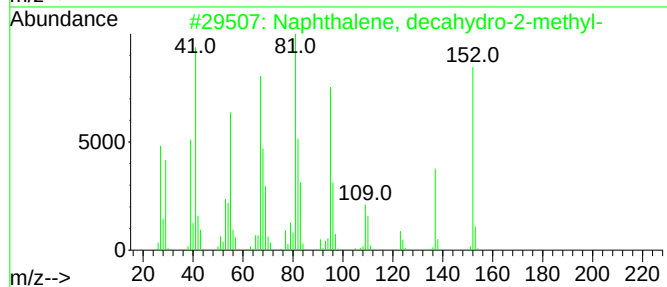
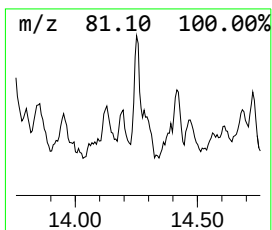
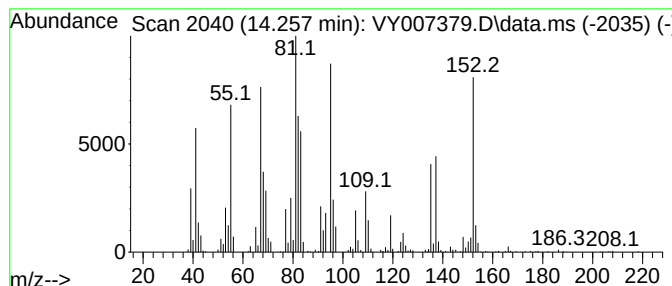
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Quant Title : SW846 8260

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

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Peak Number 5 Naphthalene, decahydro-2-me... Concentration Rank 9

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 14.257 | 110.71 ug/l | 328796 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1 | 81   |
| 2    |    |   | Camphor                             | 152 | C10H16O | 000076-22-2 | 70   |
| 3    |    |   | 1-Methyldecahydronaphthalene        | 152 | C11H20  | 002958-75-0 | 62   |
| 4    |    |   | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6 | 49   |
| 5    |    |   | Bicyclo[4.1.0]heptan-3-one, 4,7,... | 152 | C10H16O | 004176-04-9 | 49   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
Data File : VY007379.D  
Acq On : 03 Feb 2022 16:28  
Operator : SY/MD  
Sample : N1381-07  
Misc : 6.60g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-07(13.5-15)-02-02-22

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
Quant Title : SW846 8260

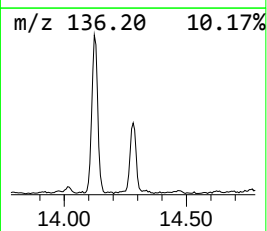
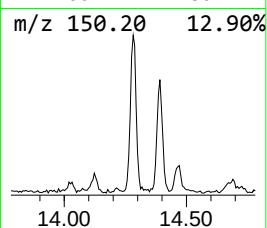
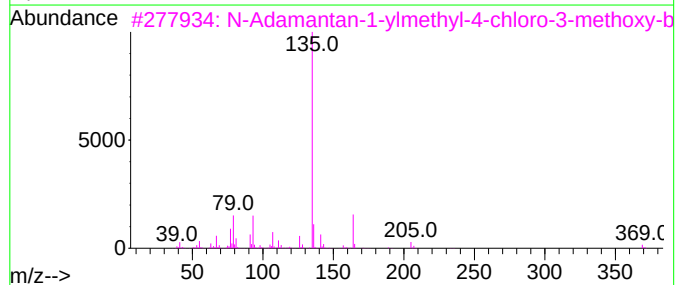
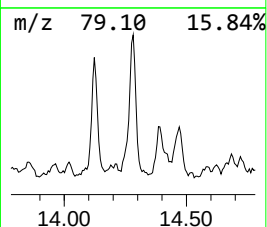
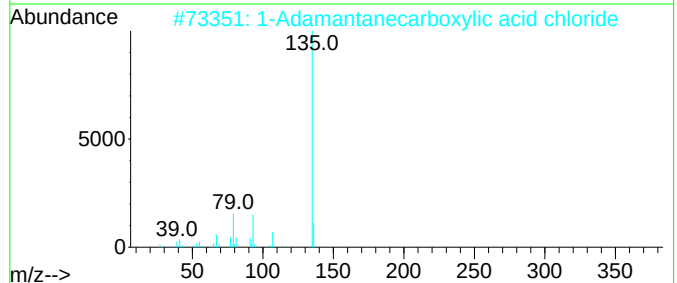
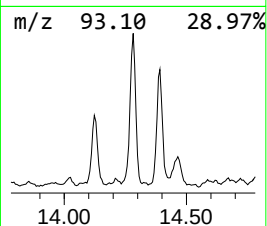
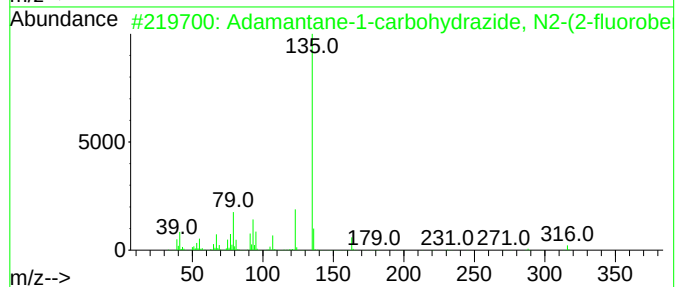
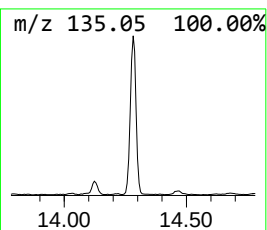
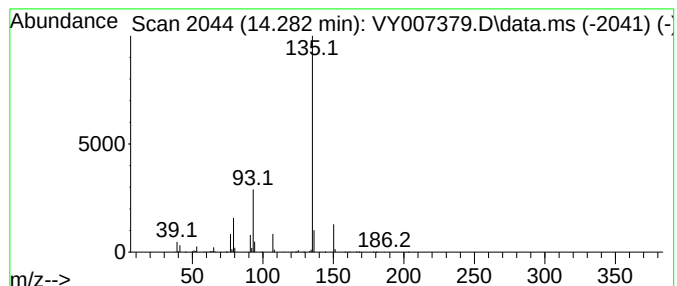
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Adamantane-1-carbohydrazide... Concentration Rank 1

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 14.282 | 236.78 ug/l | 703245 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm      | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|--------------|--------------|------|
| 1    |    |   | Adamantane-1-carbohydrazide, N2-... | 316 | C18H21FN2O2  | 332037-11-3  | 64   |
| 2    |    |   | 1-Adamantanecarboxylic acid chlo... | 198 | C11H15ClO    | 002094-72-6  | 64   |
| 3    |    |   | N-Adamantan-1-ylmethyl-4-chloro-... | 369 | C18H24ClNO3S | 1000296-46-6 | 64   |
| 4    |    |   | Butanenitrile, 2-(1-adamantyl)-3... | 217 | C15H23N      | 1000266-44-6 | 64   |
| 5    |    |   | Adamantane, 1-(2,4-dichlorobenzy... | 307 | C17H19Cl2N   | 160013-80-9  | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
Data File : VY007379.D  
Acq On : 03 Feb 2022 16:28  
Operator : SY/MD  
Sample : N1381-07  
Misc : 6.60g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-07(13.5-15)-02-02-22

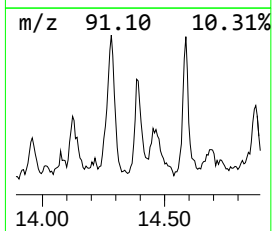
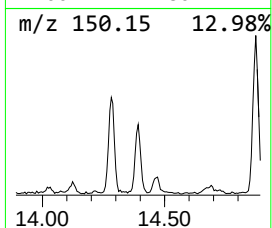
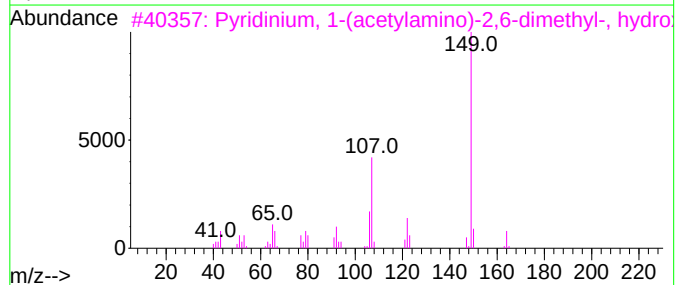
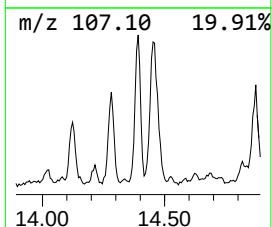
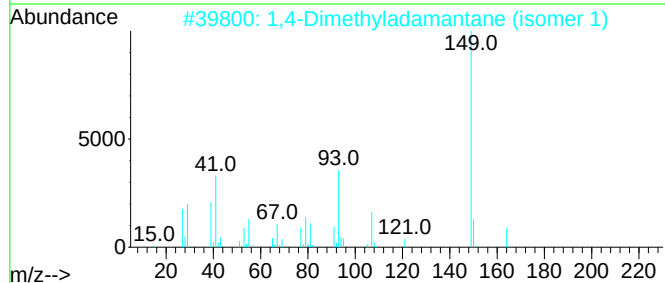
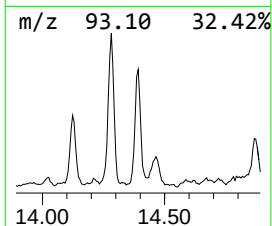
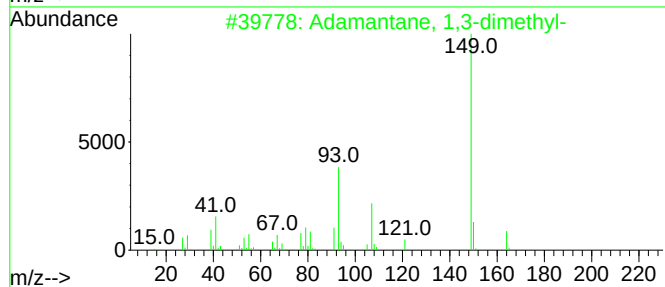
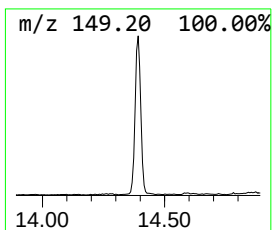
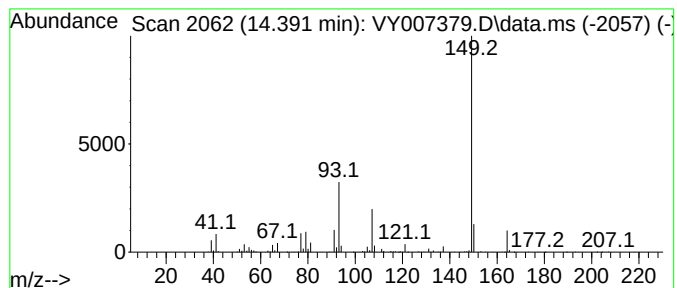
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Quant Title : SW846 8260

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

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Peak Number 7 Adamantane, 1,3-dimethyl- Concentration Rank 8

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 14.391 | 112.34 ug/l | 333660 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Adamantane, 1,3-dimethyl-           | 164 | C12H20   | 000702-79-4  | 91   |
| 2    |    |   | 1,4-Dimethyladamantane (isomer 1)   | 164 | C12H20   | 1000460-67-0 | 87   |
| 3    |    |   | Pyridinium, 1-(acetylamino)-2,6-... | 164 | C9H12N2O | 031020-35-6  | 52   |
| 4    |    |   | 1,4-Dimethyladamantane (isomer 2)   | 164 | C12H20   | 1000460-67-1 | 52   |
| 5    |    |   | 2'-Hydroxy-4',5'-dimethylacetoph... | 164 | C10H12O2 | 036436-65-4  | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
Data File : VY007379.D  
Acq On : 03 Feb 2022 16:28  
Operator : SY/MD  
Sample : N1381-07  
Misc : 6.60g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

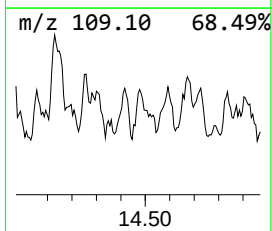
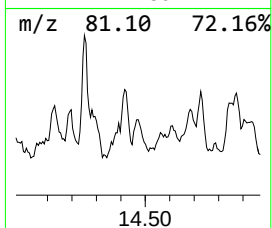
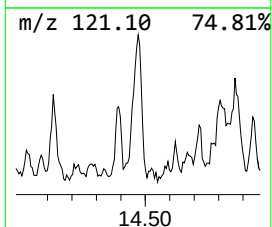
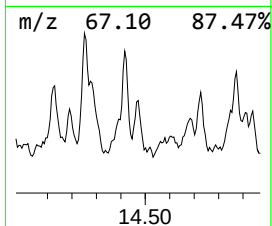
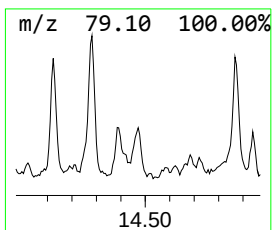
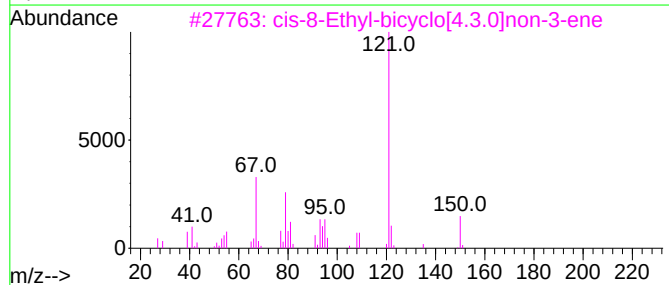
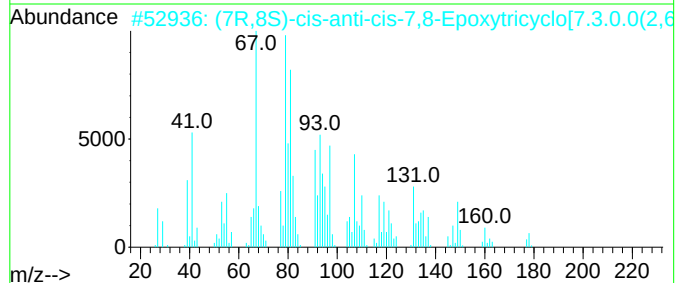
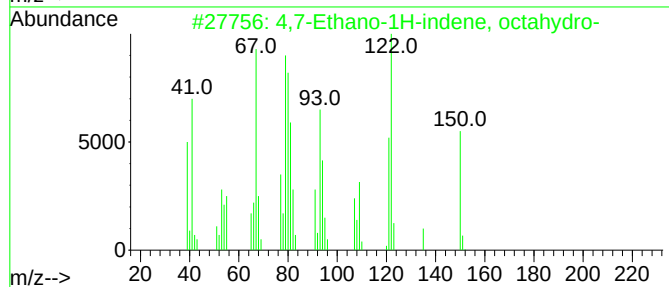
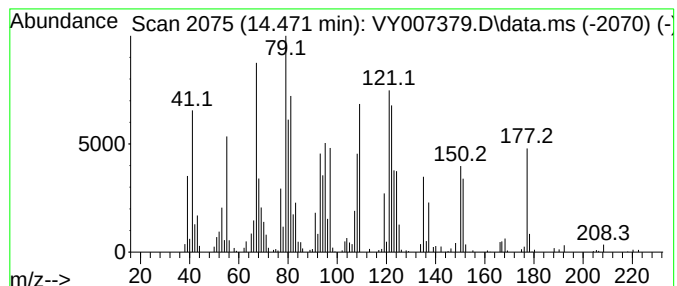
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-07(13.5-15)-02-02-22

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
Quant Title : SW846 8260

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

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Peak Number 8 4,7-Ethano-1H-indene, octah... Concentration Rank 7

| R.T.      | EstConc                             | Area   | Relative to ISTD       | R.T.         |      |
|-----------|-------------------------------------|--------|------------------------|--------------|------|
| 14.471    | 112.85 ug/l                         | 335153 | 1,4-Dichlorobenzene-d4 | 13.422       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm                | CAS#         | Qual |
| 1         | 4,7-Ethano-1H-indene, octahydro-    | 150    | C11H18                 | 038255-97-9  | 80   |
| 2         | (7R,8S)-cis-anti-cis-7,8-Epoxytr... | 178    | C12H18O                | 073285-35-5  | 51   |
| 3         | cis-8-Ethyl-bicyclo[4.3.0]non-3-ene | 150    | C11H18                 | 1000145-84-6 | 45   |
| 4         | exo-Tricyclo[5.3.1.0(2.6)]undecane  | 150    | C11H18                 | 1000215-30-2 | 42   |
| 5         | Cis-8-methyl-exo-tricyclo[5.2.1.... | 150    | C11H18                 | 1000215-29-3 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
Data File : VY007379.D  
Acq On : 03 Feb 2022 16:28  
Operator : SY/MD  
Sample : N1381-07  
Misc : 6.60g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-07(13.5-15)-02-02-22

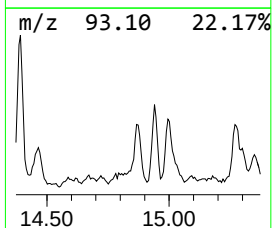
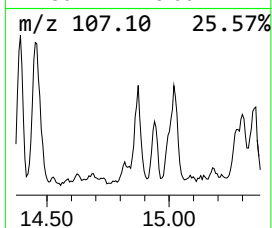
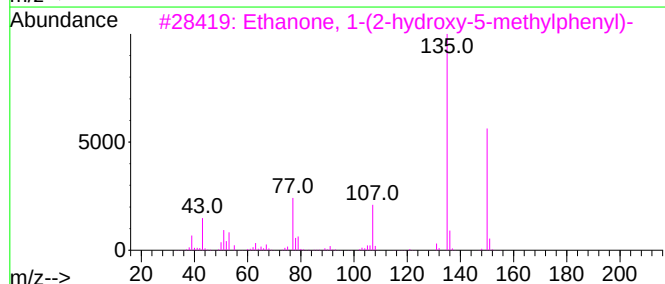
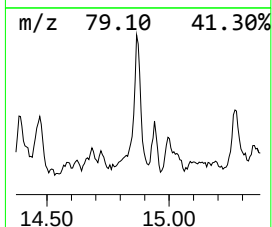
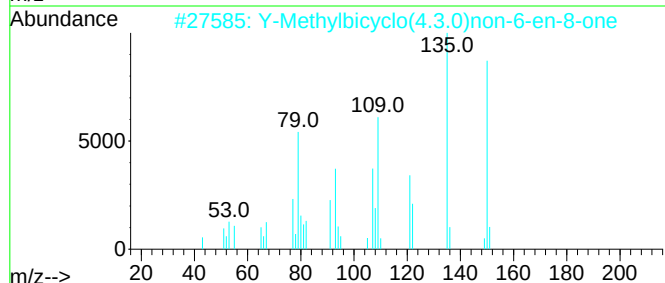
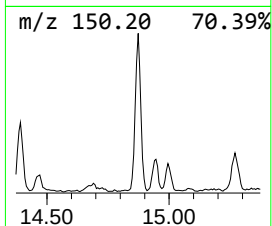
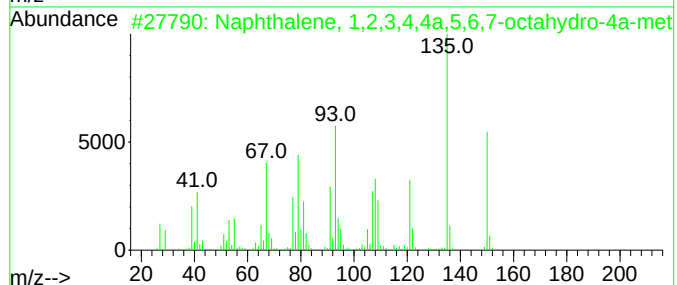
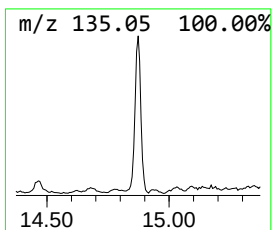
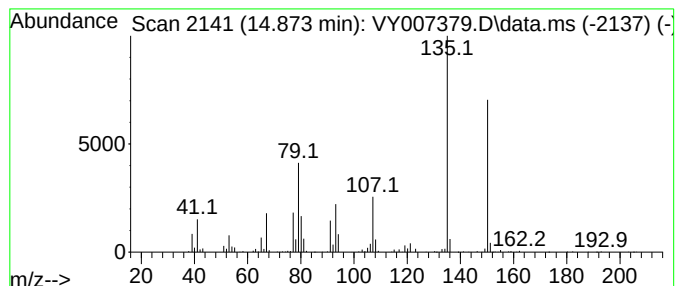
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
Quant Title : SW846 8260

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

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Peak Number 9 Naphthalene, 1,2,3,4,4a,5,6... Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.873 | 97.10 ug/l | 288395 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4,4a,5,6,7-oc... | 150 | C11H18   | 013943-77-6  | 64   |
| 2    |    |   | Y-Methylbicyclo(4.3.0)non-6-en-8... | 150 | C10H14O  | 1000424-65-9 | 59   |
| 3    |    |   | Ethanone, 1-(2-hydroxy-5-methylp... | 150 | C9H10O2  | 001450-72-2  | 50   |
| 4    |    |   | 2,2,6-Trimethyl-12-oxabicyclo[8...  | 246 | C15H18O3 | 913725-84-5  | 50   |
| 5    |    |   | 4-Hydroxy-2-methylacetophenone      | 150 | C9H10O2  | 000875-59-2  | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
Data File : VY007379.D  
Acq On : 03 Feb 2022 16:28  
Operator : SY/MD  
Sample : N1381-07  
Misc : 6.60g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-07(13.5-15)-02-02-22

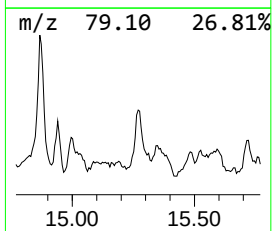
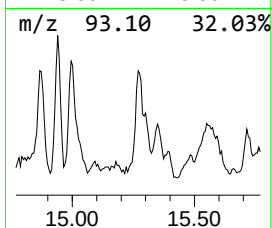
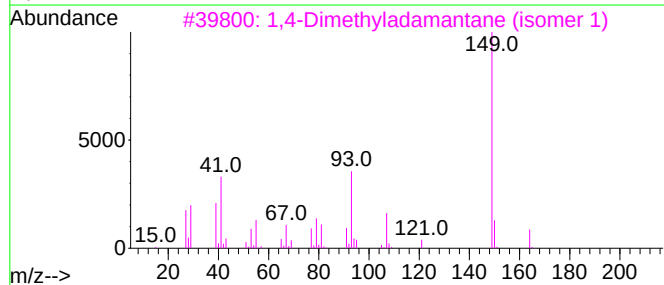
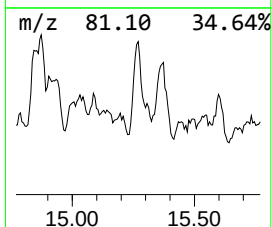
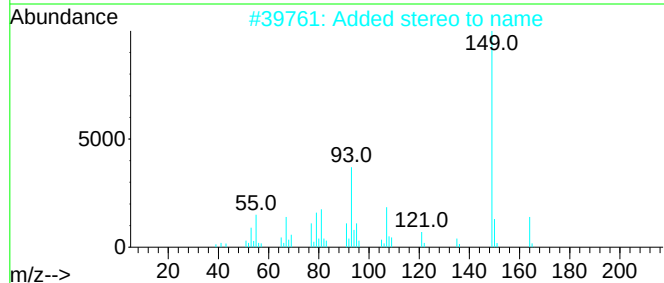
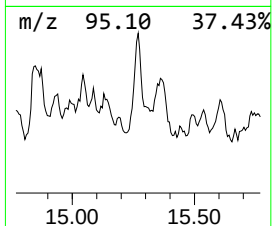
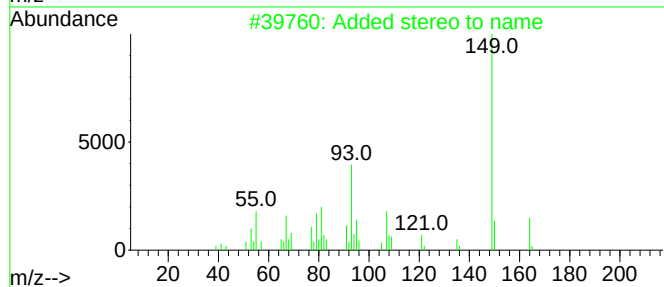
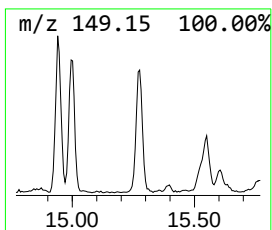
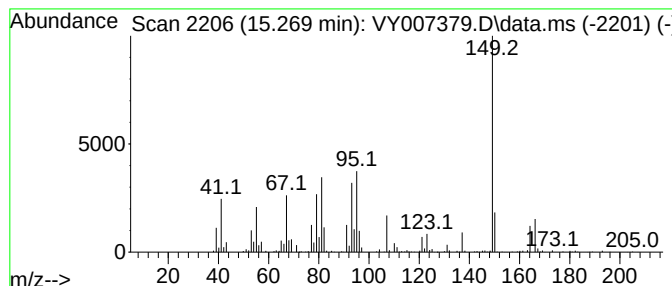
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
Quant Title : SW846 8260

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

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Peak Number 10 Added stereo to name Concentration Rank 5

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 15.269 | 141.45 ug/l | 420102 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm | CAS#         | Qual |
|------|-------------------------------------|---|--------------|-----|---------|--------------|------|
| 1    | Added stereo to name                |   |              | 164 | C12H20  | 024145-88-8  | 74   |
| 2    | Added stereo to name                |   |              | 164 | C12H20  | 024145-89-9  | 64   |
| 3    | 1,4-Dimethyladamantane (isomer 1)   |   |              | 164 | C12H20  | 1000460-67-0 | 58   |
| 4    | Adamantane, 1,3-dimethyl-           |   |              | 164 | C12H20  | 000702-79-4  | 58   |
| 5    | 4-(2-Methyl-cyclohex-1-enyl)-but... |   |              | 164 | C11H16O | 041437-92-7  | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
Data File : VY007379.D  
Acq On : 03 Feb 2022 16:28  
Operator : SY/MD  
Sample : N1381-07  
Misc : 6.60g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-07(13.5-15)-02-02-22

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.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 |
| 4-Octene, 2,6-d... | 12.642 | 166.9   | ug/l  | 495809   | 4                     | 13.422 | 148501 | 50.0 |
| Cyclopentane, 1... | 12.739 | 150.6   | ug/l  | 447138   | 4                     | 13.422 | 148501 | 50.0 |
| Bicyclo[2.2.1]h... | 12.806 | 213.7   | ug/l  | 634635   | 4                     | 13.422 | 148501 | 50.0 |
| Adamantane         | 14.123 | 134.9   | ug/l  | 400552   | 4                     | 13.422 | 148501 | 50.0 |
| Naphthalene, de... | 14.257 | 110.7   | ug/l  | 328796   | 4                     | 13.422 | 148501 | 50.0 |
| Adamantane-1-ca... | 14.282 | 236.8   | ug/l  | 703245   | 4                     | 13.422 | 148501 | 50.0 |
| Adamantane, 1,3... | 14.391 | 112.3   | ug/l  | 333660   | 4                     | 13.422 | 148501 | 50.0 |
| 4,7-Ethano-1H-i... | 14.471 | 112.8   | ug/l  | 335153   | 4                     | 13.422 | 148501 | 50.0 |
| Naphthalene, 1,... | 14.873 | 97.1    | ug/l  | 288395   | 4                     | 13.422 | 148501 | 50.0 |
| Added stereo to... | 15.269 | 141.4   | ug/l  | 420102   | 4                     | 13.422 | 148501 | 50.0 |