

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070822\  
 Data File : VY009484.D  
 Acq On : 08 Jul 2022 15:49  
 Operator : KP/MD  
 Sample : N3595-04  
 Misc : 4.79g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 20220488A-6A

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\82Y070722S.M  
 Title : SW846 8260

Signal : TIC: VY009484.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         | 1.857       | 3             | 6           | 16           | rVB2     | 32058          | 51199         | 5.66%           | 0.330%        |
| 2         | 2.217       | 59            | 65          | 76           | rVB2     | 27981          | 67206         | 7.43%           | 0.433%        |
| 3         | 2.893       | 169           | 176         | 184          | rVB2     | 8707           | 19099         | 2.11%           | 0.123%        |
| 4         | 3.241       | 227           | 233         | 245          | rVB3     | 6422           | 17077         | 1.89%           | 0.110%        |
| 5         | 3.942       | 336           | 348         | 358          | rBV2     | 47383          | 138491        | 15.32%          | 0.893%        |
| 6         | 4.186       | 377           | 388         | 403          | rBV      | 33937          | 92767         | 10.26%          | 0.598%        |
| 7         | 5.222       | 547           | 558         | 573          | rVB5     | 6386           | 21159         | 2.34%           | 0.136%        |
| 8         | 5.734       | 632           | 642         | 654          | rBV5     | 4005           | 13078         | 1.45%           | 0.084%        |
| 9         | 6.978       | 835           | 846         | 856          | rBV      | 21938          | 63446         | 7.02%           | 0.409%        |
| 10        | 7.710       | 953           | 966         | 971          | rBV      | 86029          | 211327        | 23.38%          | 1.362%        |
| 11        | 7.783       | 971           | 978         | 986          | rVV      | 203391         | 478939        | 52.98%          | 3.088%        |
| 12        | 7.868       | 986           | 992         | 1001         | rVB      | 11092          | 26895         | 2.98%           | 0.173%        |
| 13        | 7.990       | 1003          | 1012        | 1020         | rBV3     | 15182          | 37244         | 4.12%           | 0.240%        |
| 14        | 8.136       | 1027          | 1036        | 1047         | rBV2     | 98759          | 227303        | 25.15%          | 1.465%        |
| 15        | 8.264       | 1049          | 1057        | 1060         | rVV4     | 7397           | 17789         | 1.97%           | 0.115%        |
| 16        | 8.319       | 1060          | 1066        | 1075         | rVV2     | 22862          | 63747         | 7.05%           | 0.411%        |
| 17        | 8.411       | 1076          | 1081        | 1092         | rVB6     | 6317           | 16203         | 1.79%           | 0.104%        |
| 18        | 8.545       | 1092          | 1103        | 1111         | rBV3     | 4902           | 12110         | 1.34%           | 0.078%        |
| 19        | 8.685       | 1117          | 1126        | 1139         | rBV      | 307990         | 602750        | 66.68%          | 3.886%        |
| 20        | 8.917       | 1156          | 1164        | 1172         | rBV3     | 13241          | 30586         | 3.38%           | 0.197%        |
| 21        | 9.179       | 1195          | 1207        | 1212         | rBV3     | 45208          | 117784        | 13.03%          | 0.759%        |
| 22        | 9.240       | 1212          | 1217        | 1224         | rVB      | 16205          | 31573         | 3.49%           | 0.204%        |
| 23        | 9.459       | 1243          | 1253        | 1260         | rVB5     | 10655          | 28536         | 3.16%           | 0.184%        |
| 24        | 9.612       | 1271          | 1278        | 1283         | rVB3     | 25013          | 51343         | 5.68%           | 0.331%        |
| 25        | 9.746       | 1290          | 1300        | 1306         | rBV2     | 28808          | 64209         | 7.10%           | 0.414%        |
| 26        | 9.807       | 1306          | 1310        | 1314         | rVV5     | 6287           | 14625         | 1.62%           | 0.094%        |
| 27        | 9.935       | 1323          | 1331        | 1336         | rBV4     | 13609          | 35901         | 3.97%           | 0.231%        |
| 28        | 9.984       | 1336          | 1339        | 1347         | rVB4     | 10568          | 18895         | 2.09%           | 0.122%        |
| 29        | 10.106      | 1354          | 1359        | 1364         | rVV      | 19453          | 35201         | 3.89%           | 0.227%        |
| 30        | 10.173      | 1364          | 1370        | 1385         | rVV      | 385546         | 697943        | 77.21%          | 4.500%        |
| 31        | 10.343      | 1393          | 1398        | 1399         | rVV2     | 10540          | 17027         | 1.88%           | 0.110%        |
| 32        | 10.362      | 1399          | 1401        | 1407         | rVB4     | 12629          | 18795         | 2.08%           | 0.121%        |
| 33        | 10.477      | 1414          | 1420        | 1423         | rBV3     | 9997           | 17656         | 1.95%           | 0.114%        |
| 34        | 10.514      | 1423          | 1426        | 1432         | rVB2     | 13282          | 20635         | 2.28%           | 0.133%        |
| 35        | 10.618      | 1434          | 1443        | 1448         | rBV7     | 12927          | 41251         | 4.56%           | 0.266%        |
| 36        | 10.703      | 1453          | 1457        | 1462         | rVB4     | 17194          | 31549         | 3.49%           | 0.203%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070822\  
 Data File : VY009484.D  
 Acq On : 08 Jul 2022 15:49  
 Operator : KP/MD  
 Sample : N3595-04  
 Misc : 4.79g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 20220488A-6A

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\82Y070722S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |         |        |
|----|--------|------|------|------|------|--------|--------|---------|--------|
| 37 | 10.795 | 1462 | 1472 | 1479 | rBV  | 45640  | 84521  | 9.35%   | 0.545% |
| 38 | 10.898 | 1479 | 1489 | 1496 | rBV2 | 40970  | 91261  | 10.10%  | 0.588% |
| 39 | 10.965 | 1496 | 1500 | 1505 | rBV2 | 18546  | 32089  | 3.55%   | 0.207% |
| 40 | 11.032 | 1507 | 1511 | 1515 | rBV2 | 16627  | 21792  | 2.41%   | 0.141% |
| 41 | 11.087 | 1515 | 1520 | 1525 | rVB  | 76005  | 124805 | 13.81%  | 0.805% |
| 42 | 11.136 | 1525 | 1528 | 1533 | rVB4 | 16859  | 23134  | 2.56%   | 0.149% |
| 43 | 11.203 | 1533 | 1539 | 1542 | rBV4 | 39039  | 67395  | 7.46%   | 0.435% |
| 44 | 11.246 | 1542 | 1546 | 1549 | rBV3 | 16640  | 24366  | 2.70%   | 0.157% |
| 45 | 11.288 | 1549 | 1553 | 1562 | rVB  | 42805  | 88735  | 9.82%   | 0.572% |
| 46 | 11.374 | 1562 | 1567 | 1570 | rBV2 | 19185  | 33860  | 3.75%   | 0.218% |
| 47 | 11.483 | 1578 | 1585 | 1594 | rBV  | 440201 | 762302 | 84.33%  | 4.915% |
| 48 | 11.557 | 1594 | 1597 | 1603 | rVB2 | 13120  | 18994  | 2.10%   | 0.122% |
| 49 | 11.618 | 1603 | 1607 | 1611 | rBV4 | 22941  | 33161  | 3.67%   | 0.214% |
| 50 | 11.679 | 1611 | 1617 | 1621 | rBV3 | 45366  | 97029  | 10.73%  | 0.626% |
| 51 | 11.733 | 1621 | 1626 | 1631 | rBV2 | 91657  | 150887 | 16.69%  | 0.973% |
| 52 | 11.770 | 1631 | 1632 | 1638 | rVB2 | 50758  | 61783  | 6.83%   | 0.398% |
| 53 | 11.837 | 1638 | 1643 | 1645 | rBV  | 28742  | 47459  | 5.25%   | 0.306% |
| 54 | 11.874 | 1645 | 1649 | 1654 | rBV4 | 16063  | 36220  | 4.01%   | 0.234% |
| 55 | 11.935 | 1654 | 1659 | 1662 | rBV2 | 49684  | 69438  | 7.68%   | 0.448% |
| 56 | 12.002 | 1662 | 1670 | 1676 | rBV5 | 137981 | 362249 | 40.07%  | 2.336% |
| 57 | 12.056 | 1676 | 1679 | 1681 | rVB  | 23554  | 22991  | 2.54%   | 0.148% |
| 58 | 12.117 | 1681 | 1689 | 1693 | rVB  | 247625 | 401751 | 44.44%  | 2.590% |
| 59 | 12.197 | 1693 | 1702 | 1704 | rBV4 | 156983 | 302588 | 33.47%  | 1.951% |
| 60 | 12.227 | 1704 | 1707 | 1713 | rVB3 | 239087 | 427728 | 47.32%  | 2.758% |
| 61 | 12.319 | 1713 | 1722 | 1724 | rBV8 | 49407  | 116203 | 12.86%  | 0.749% |
| 62 | 12.367 | 1724 | 1730 | 1737 | rVB5 | 142839 | 342104 | 37.85%  | 2.206% |
| 63 | 12.483 | 1741 | 1749 | 1754 | rVB4 | 429607 | 903947 | 100.00% | 5.828% |
| 64 | 12.569 | 1754 | 1763 | 1766 | rBV7 | 102584 | 239236 | 26.47%  | 1.542% |
| 65 | 12.636 | 1767 | 1774 | 1781 | rVB5 | 246481 | 608871 | 67.36%  | 3.926% |
| 66 | 12.727 | 1781 | 1789 | 1794 | rBV6 | 135786 | 375528 | 41.54%  | 2.421% |
| 67 | 12.806 | 1794 | 1802 | 1807 | rBV7 | 245205 | 670234 | 74.15%  | 4.321% |
| 68 | 12.947 | 1816 | 1825 | 1828 | rBV5 | 150178 | 300343 | 33.23%  | 1.936% |
| 69 | 12.995 | 1828 | 1833 | 1837 | rVV4 | 101659 | 205803 | 22.77%  | 1.327% |
| 70 | 13.062 | 1841 | 1844 | 1848 | rVB4 | 110445 | 167714 | 18.55%  | 1.081% |
| 71 | 13.166 | 1857 | 1861 | 1866 | rBV2 | 132326 | 220714 | 24.42%  | 1.423% |
| 72 | 13.215 | 1866 | 1869 | 1871 | rBV2 | 57232  | 62585  | 6.92%   | 0.404% |
| 73 | 13.282 | 1876 | 1880 | 1883 | rVV2 | 198505 | 353045 | 39.06%  | 2.276% |
| 74 | 13.318 | 1883 | 1886 | 1889 | rVV2 | 196089 | 291997 | 32.30%  | 1.883% |
| 75 | 13.349 | 1889 | 1891 | 1896 | rVV5 | 84864  | 129304 | 14.30%  | 0.834% |
| 76 | 13.422 | 1897 | 1903 | 1908 | rVV  | 413693 | 706360 | 78.14%  | 4.554% |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070822\  
 Data File : VY009484.D  
 Acq On : 08 Jul 2022 15:49  
 Operator : KP/MD  
 Sample : N3595-04  
 Misc : 4.79g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 20220488A-6A

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\82Y070722S.M  
 Title : SW846 8260

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 13.471 | 1908 | 1911 | 1919 | rVB2 | 129617 | 258343 | 28.58% | 1.666% |
| 78  | 13.562 | 1922 | 1926 | 1930 | rVB3 | 87089  | 120358 | 13.31% | 0.776% |
| 79  | 13.605 | 1931 | 1933 | 1936 | rBV3 | 23054  | 26819  | 2.97%  | 0.173% |
| 80  | 13.635 | 1936 | 1938 | 1945 | rVB4 | 26271  | 32608  | 3.61%  | 0.210% |
| 81  | 13.745 | 1950 | 1956 | 1960 | rBV5 | 198282 | 364535 | 40.33% | 2.350% |
| 82  | 13.788 | 1960 | 1963 | 1968 | rBV3 | 49648  | 84575  | 9.36%  | 0.545% |
| 83  | 13.855 | 1971 | 1974 | 1981 | rVB6 | 65878  | 123543 | 13.67% | 0.797% |
| 84  | 13.934 | 1981 | 1987 | 1989 | rBV4 | 41795  | 98211  | 10.86% | 0.633% |
| 85  | 14.074 | 2006 | 2010 | 2014 | rVB6 | 62710  | 94081  | 10.41% | 0.607% |
| 86  | 14.141 | 2016 | 2021 | 2026 | rVB5 | 73742  | 144879 | 16.03% | 0.934% |
| 87  | 14.196 | 2027 | 2030 | 2034 | rVB5 | 38795  | 57813  | 6.40%  | 0.373% |
| 88  | 14.257 | 2034 | 2040 | 2051 | rBV7 | 149519 | 404682 | 44.77% | 2.609% |
| 89  | 14.379 | 2056 | 2060 | 2063 | rBV5 | 51593  | 90284  | 9.99%  | 0.582% |
| 90  | 14.416 | 2063 | 2066 | 2070 | rVB3 | 107048 | 152342 | 16.85% | 0.982% |
| 91  | 14.611 | 2095 | 2098 | 2102 | rBV4 | 26759  | 42397  | 4.69%  | 0.273% |
| 92  | 14.678 | 2104 | 2109 | 2113 | rVV5 | 77615  | 165249 | 18.28% | 1.065% |
| 93  | 14.727 | 2114 | 2117 | 2123 | rVB3 | 90440  | 146173 | 16.17% | 0.942% |
| 94  | 14.940 | 2148 | 2152 | 2156 | rVB4 | 51796  | 70980  | 7.85%  | 0.458% |
| 95  | 15.117 | 2178 | 2181 | 2183 | rBV2 | 22507  | 30565  | 3.38%  | 0.197% |
| 96  | 15.208 | 2192 | 2196 | 2203 | rBV  | 107575 | 180674 | 19.99% | 1.165% |
| 97  | 15.440 | 2230 | 2234 | 2240 | rVB9 | 19847  | 41869  | 4.63%  | 0.270% |
| 98  | 15.599 | 2257 | 2260 | 2266 | rVB6 | 56624  | 95764  | 10.59% | 0.617% |
| 99  | 16.153 | 2347 | 2351 | 2358 | rVB2 | 63896  | 101038 | 11.18% | 0.651% |
| 100 | 16.476 | 2399 | 2404 | 2408 | rBV8 | 26262  | 50671  | 5.61%  | 0.327% |

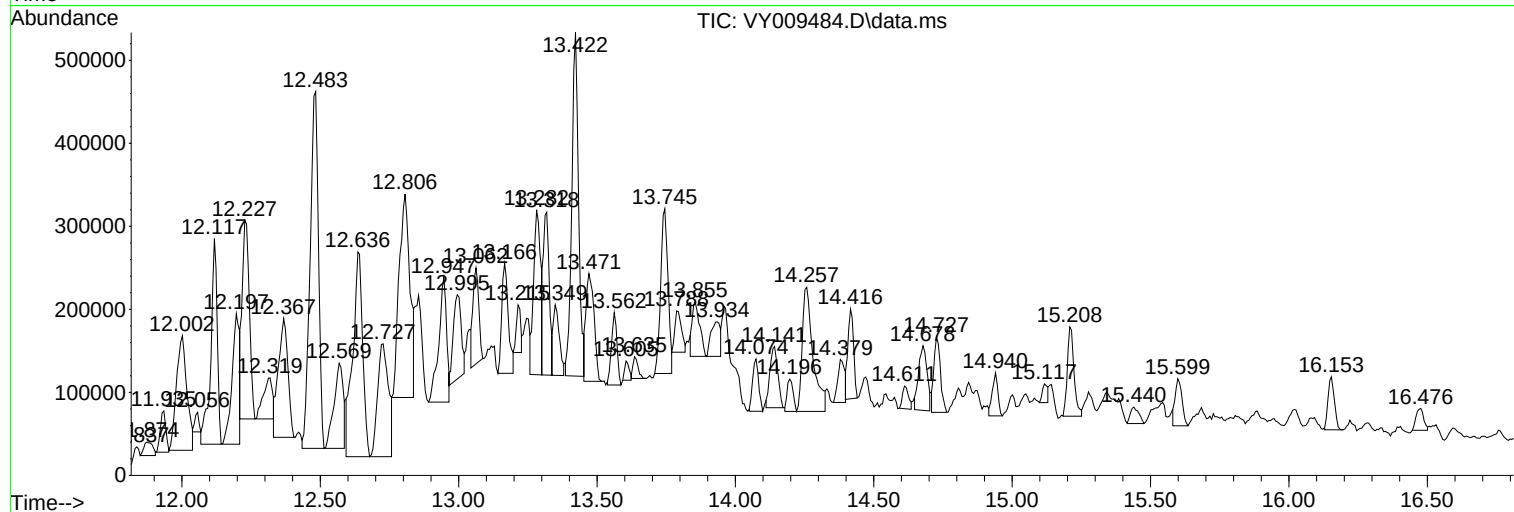
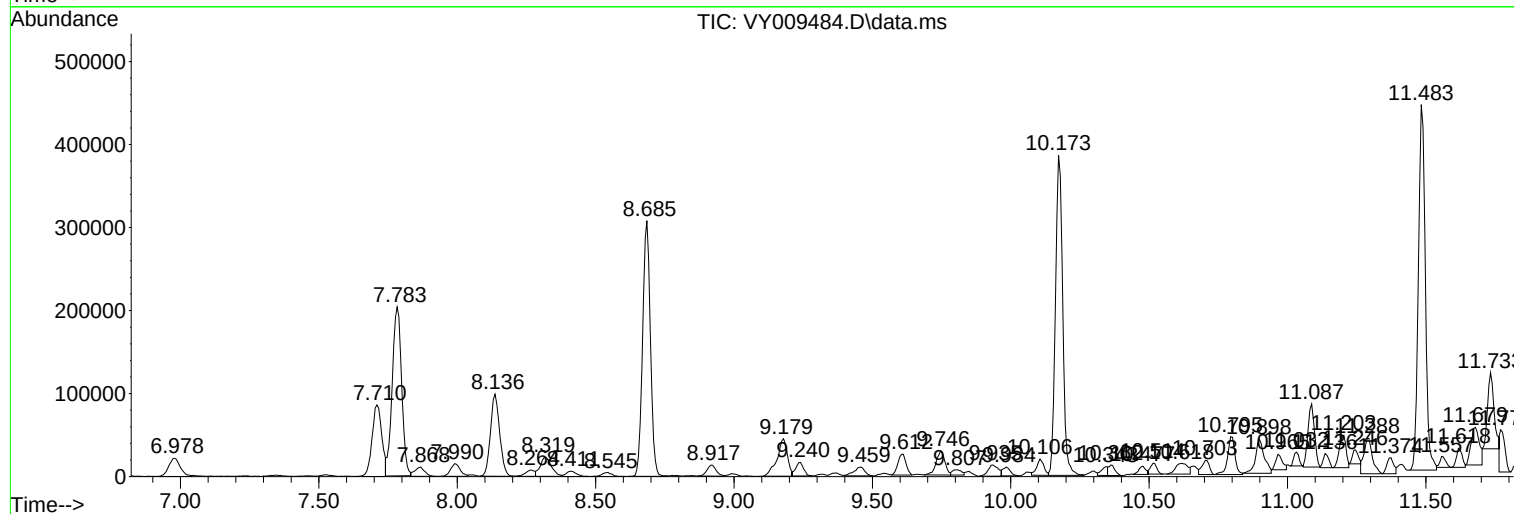
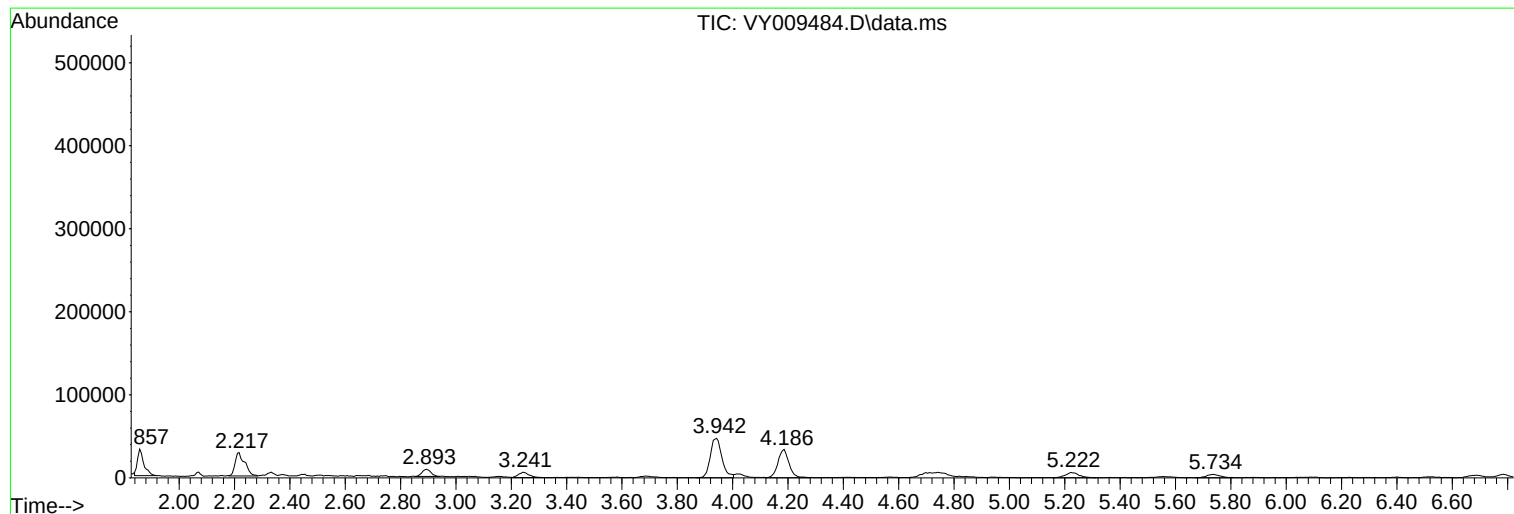
Sum of corrected areas: 15510317

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070822\  
Data File : VY009484.D  
Acq On : 08 Jul 2022 15:49  
Operator : KP/MD  
Sample : N3595-04  
Misc : 4.79g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20220488A-6A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070722S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070822\  
Data File : VY009484.D  
Acq On : 08 Jul 2022 15:49  
Operator : KP/MD  
Sample : N3595-04  
Misc : 4.79g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20220488A-6A

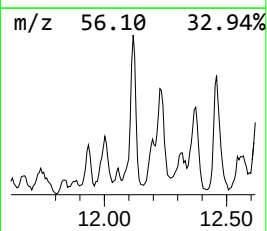
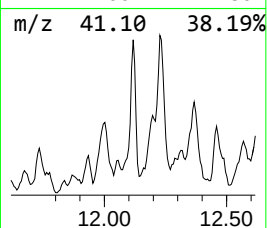
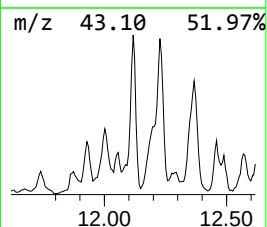
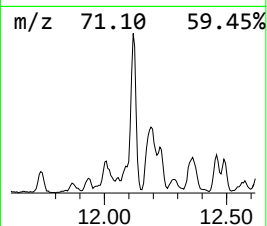
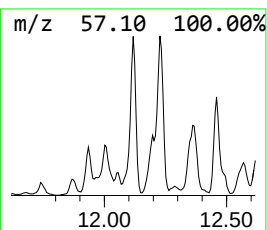
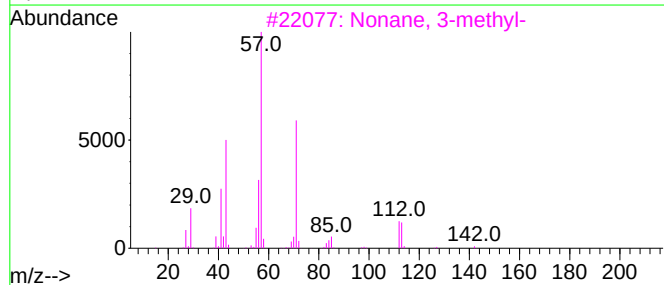
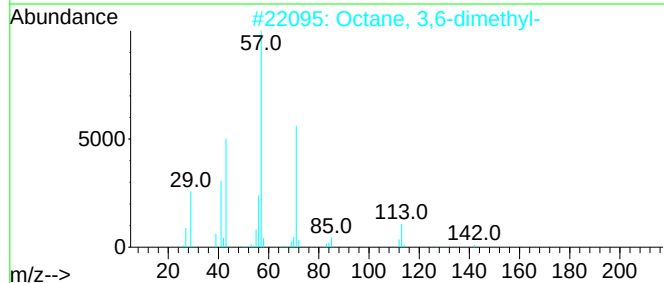
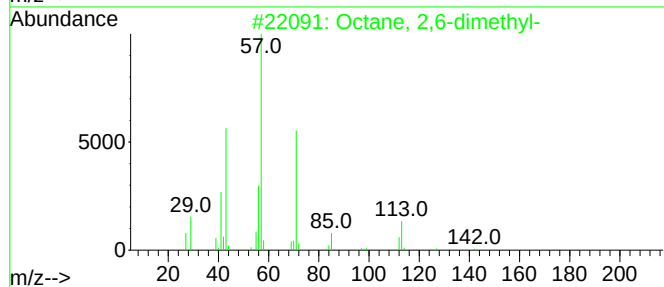
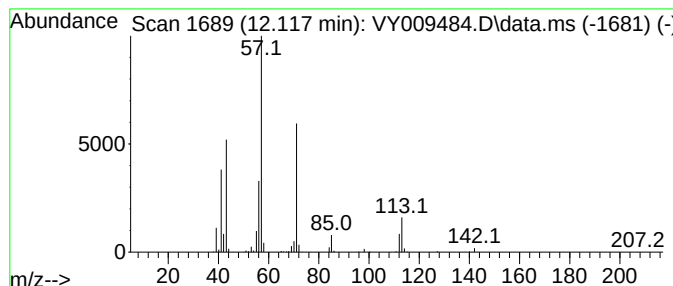
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070722S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*

Peak Number 1 Octane, 2,6-dimethyl- Concentration Rank 5

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 12.117    | 26.35 ug/l                          | 401751 | Chlorobenzene-d5 | 11.483       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Octane, 2,6-dimethyl-               | 142    | C10H22           | 002051-30-1  | 91   |
| 2         | Octane, 3,6-dimethyl-               | 142    | C10H22           | 015869-94-0  | 91   |
| 3         | Nonane, 3-methyl-                   | 142    | C10H22           | 005911-04-6  | 90   |
| 4         | Sulfurous acid, butyl 2-ethylhex... | 250    | C12H26O3S        | 1000309-18-8 | 64   |
| 5         | Sulfurous acid, 2-ethylhexyl hex... | 278    | C14H30O3S        | 1000309-20-2 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070822\  
Data File : VY009484.D  
Acq On : 08 Jul 2022 15:49  
Operator : KP/MD  
Sample : N3595-04  
Misc : 4.79g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20220488A-6A

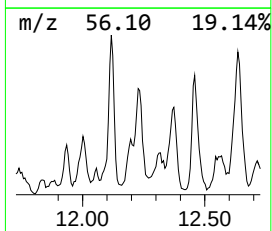
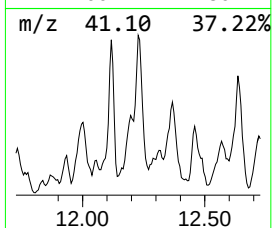
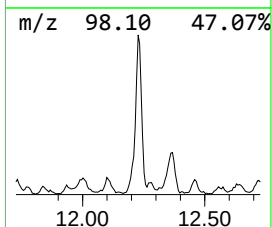
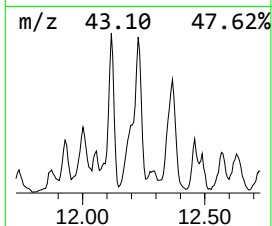
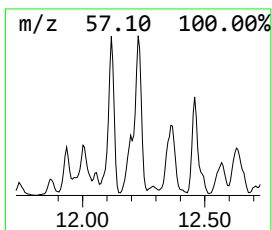
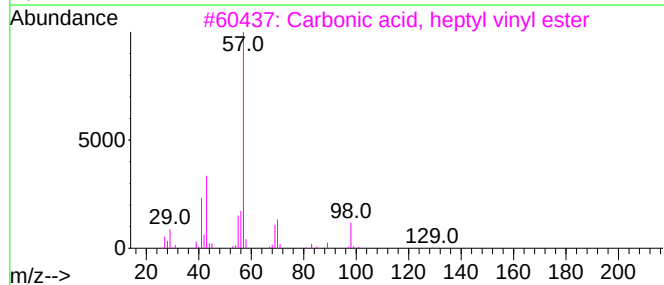
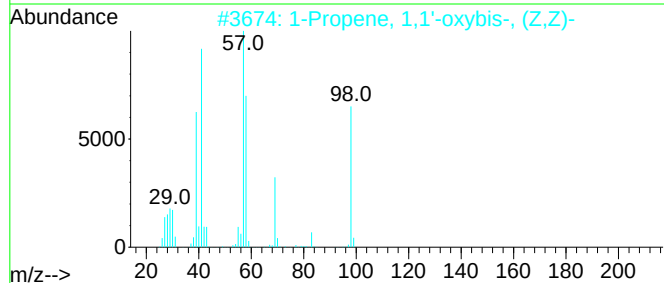
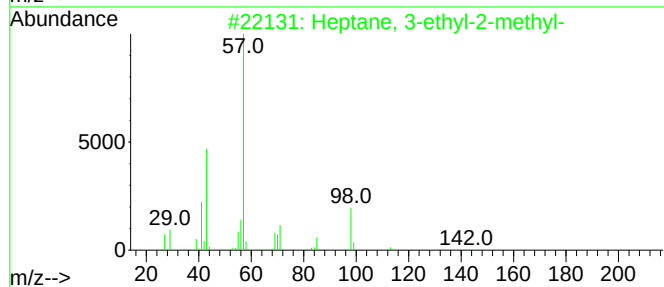
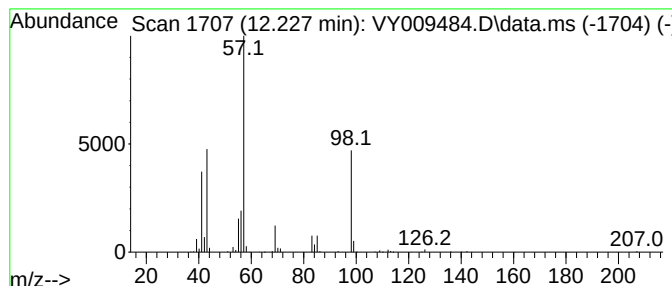
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070722S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Heptane, 3-ethyl-2-methyl- Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 12.227 | 28.06 ug/l | 427728 | Chlorobenzene-d5 | 11.483 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Heptane, 3-ethyl-2-methyl-          | 142 | C10H22   | 014676-29-0  | 53   |
| 2    |    |   | 1-Propene, 1,1'-oxybis-, (Z,Z)-     | 98  | C6H100   | 004696-27-9  | 52   |
| 3    |    |   | Carbonic acid, heptyl vinyl ester   | 186 | C10H1803 | 1010383-25-4 | 50   |
| 4    |    |   | Ether, tert-butyl isopropylidene... | 154 | C10H180  | 024524-56-9  | 42   |
| 5    |    |   | Octane, 4,5-dipropyl-               | 198 | C14H30   | 020905-05-9  | 42   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070822\  
Data File : VY009484.D  
Acq On : 08 Jul 2022 15:49  
Operator : KP/MD  
Sample : N3595-04  
Misc : 4.79g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20220488A-6A

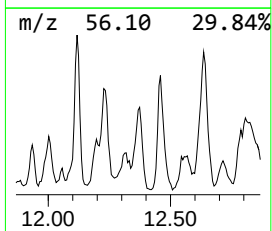
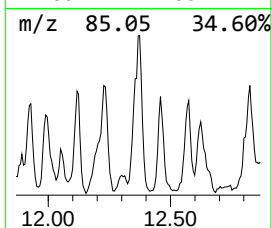
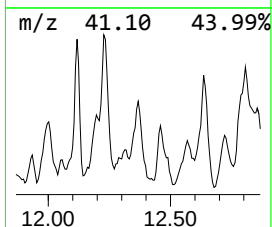
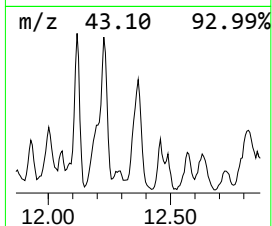
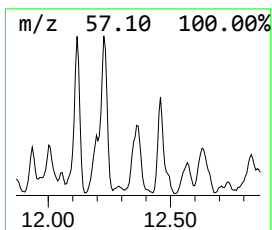
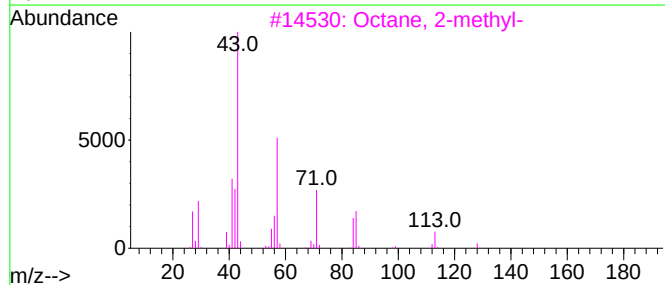
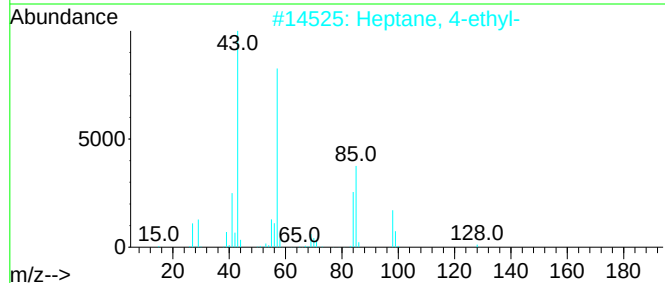
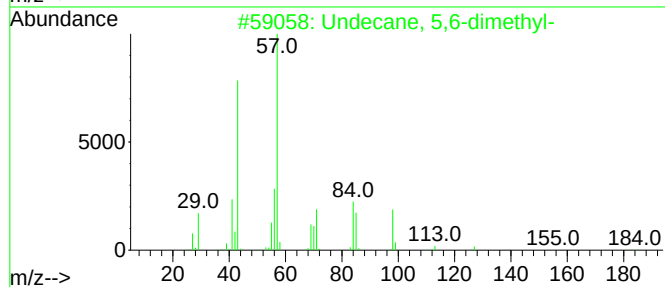
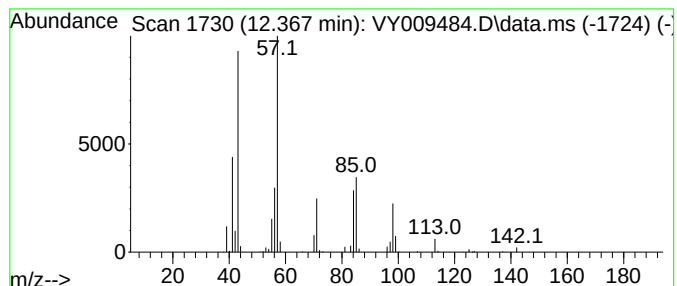
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070722S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Undecane, 5,6-dimethyl- Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 12.367 | 22.44 ug/l | 342104 | Chlorobenzene-d5 | 11.483 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Undecane, 5,6-dimethyl- | 184 | C13H28  | 017615-91-7 | 72   |
| 2    |    |   | Heptane, 4-ethyl-       | 128 | C9H20   | 002216-32-2 | 59   |
| 3    |    |   | Octane, 2-methyl-       | 128 | C9H20   | 003221-61-2 | 50   |
| 4    |    |   | Octane, 2,3-dimethyl-   | 142 | C10H22  | 007146-60-3 | 47   |
| 5    |    |   | Hexane, 2,4-dimethyl-   | 114 | C8H18   | 000589-43-5 | 46   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070822\  
Data File : VY009484.D  
Acq On : 08 Jul 2022 15:49  
Operator : KP/MD  
Sample : N3595-04  
Misc : 4.79g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20220488A-6A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070722S.M  
Quant Title : SW846 8260

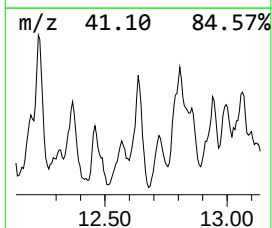
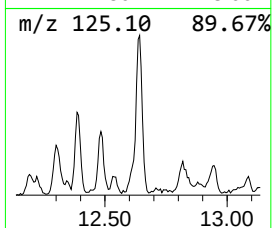
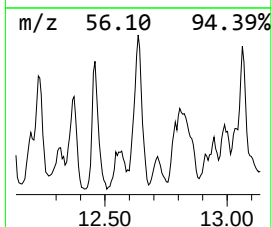
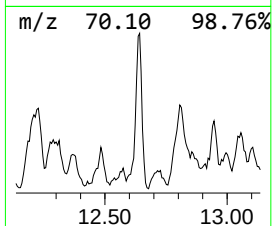
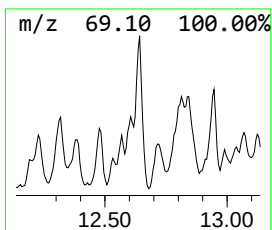
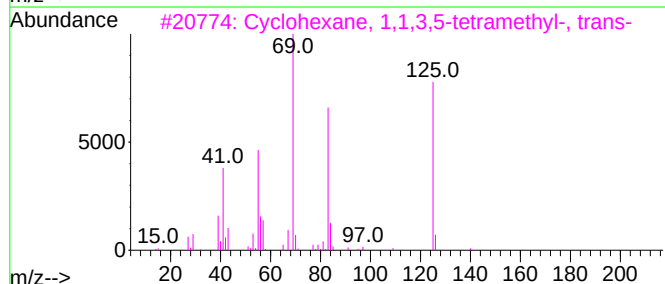
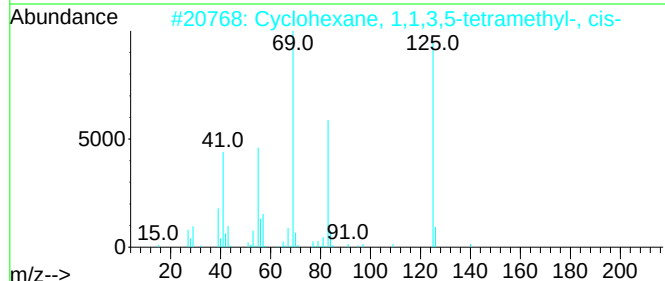
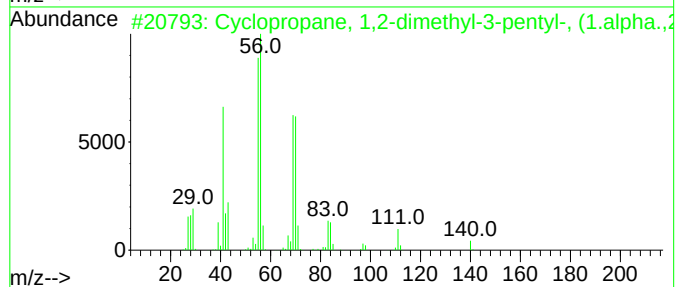
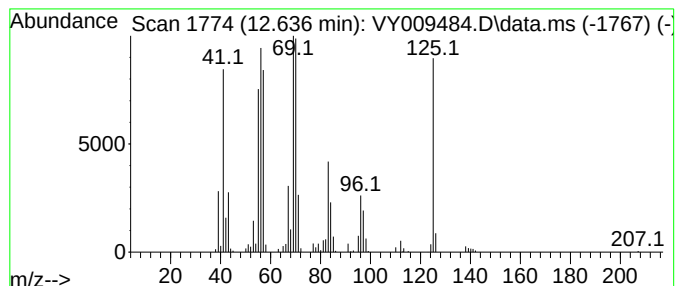
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 4 Cyclopropane, 1,2-dimethyl-... Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.636 | 43.10 ug/l | 608871 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclopropane, 1,2-dimethyl-3-pen... | 140 | C10H20  | 062238-10-2 | 53   |
| 2    |    |   | Cyclohexane, 1,1,3,5-tetramethyl... | 140 | C10H20  | 050876-32-9 | 43   |
| 3    |    |   | Cyclohexane, 1,1,3,5-tetramethyl... | 140 | C10H20  | 050876-31-8 | 38   |
| 4    |    |   | 2-Heptene, 2,6-dimethyl-            | 126 | C9H18   | 005557-98-2 | 38   |
| 5    |    |   | Cyclopropane, 1-methyl-2-(3-meth... | 140 | C10H20  | 062238-07-7 | 38   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070822\  
Data File : VY009484.D  
Acq On : 08 Jul 2022 15:49  
Operator : KP/MD  
Sample : N3595-04  
Misc : 4.79g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20220488A-6A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070722S.M  
Quant Title : SW846 8260

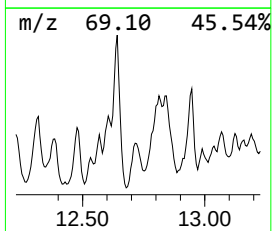
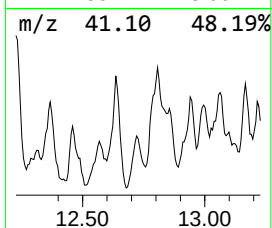
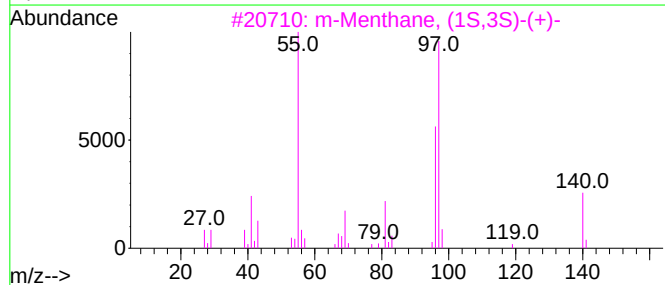
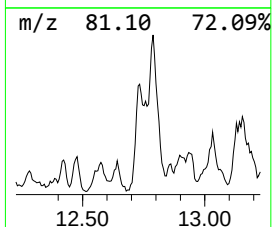
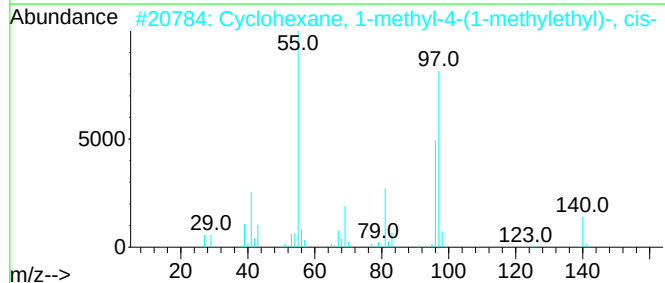
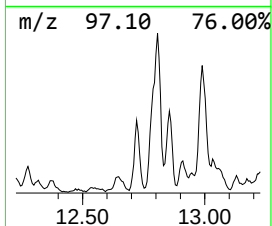
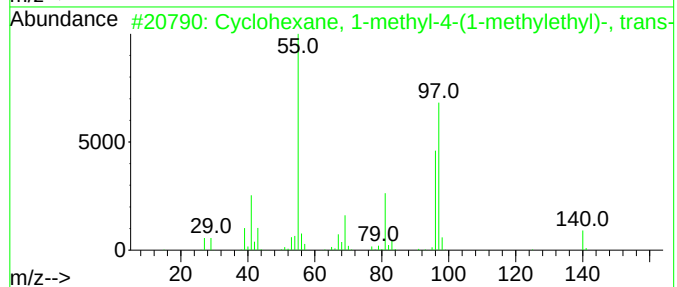
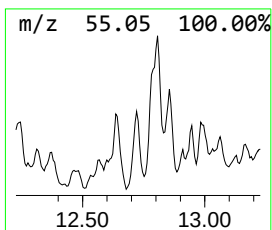
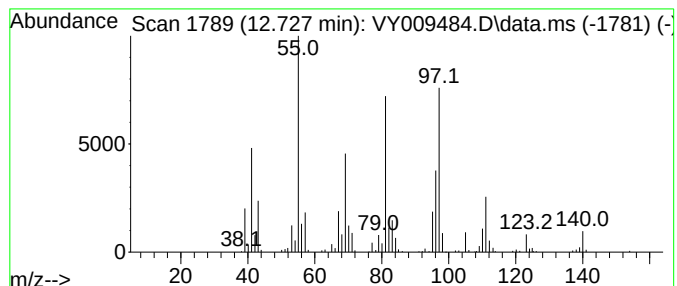
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 5 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.727 | 26.58 ug/l | 375528 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1-methyl-4-(1-methy... | 140 | C10H20  | 001678-82-6 | 58   |
| 2    |    |   | Cyclohexane, 1-methyl-4-(1-methy... | 140 | C10H20  | 006069-98-3 | 58   |
| 3    |    |   | m-Menthane, (1S,3S)-(+)-            | 140 | C10H20  | 013837-67-7 | 58   |
| 4    |    |   | Cyclohexane, 1,4-dimethyl-, cis-    | 112 | C8H16   | 000624-29-3 | 49   |
| 5    |    |   | Cyclohexane, 1-methyl-3-propyl-     | 140 | C10H20  | 004291-80-9 | 49   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070822\  
Data File : VY009484.D  
Acq On : 08 Jul 2022 15:49  
Operator : KP/MD  
Sample : N3595-04  
Misc : 4.79g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20220488A-6A

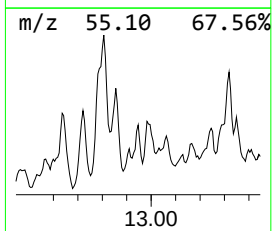
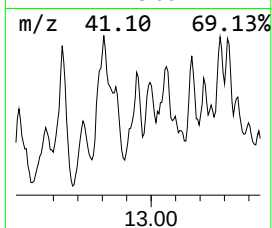
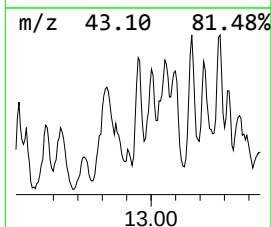
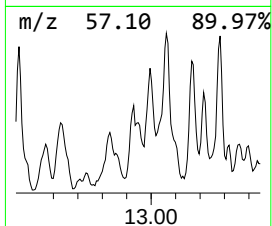
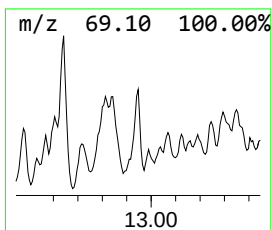
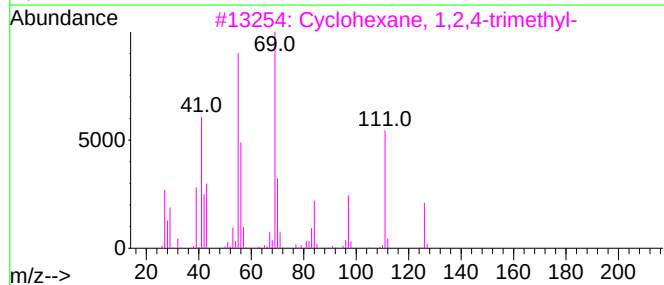
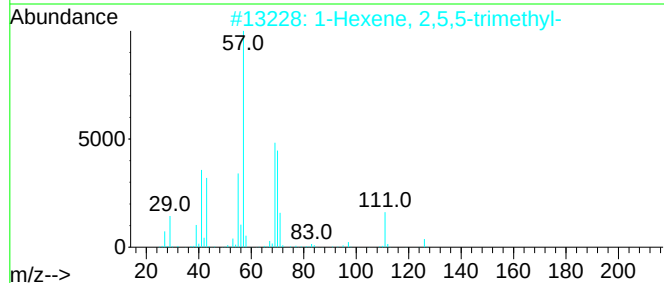
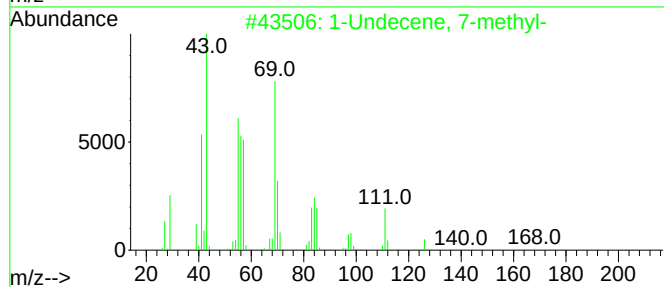
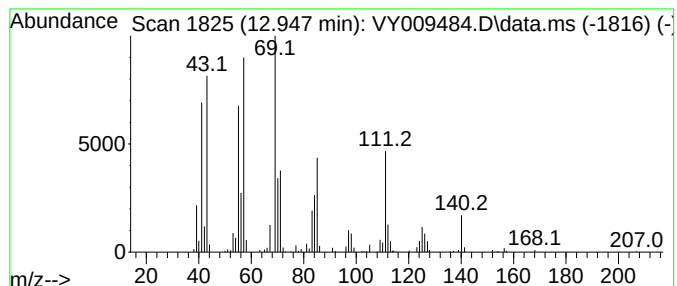
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070722S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 1-Undecene, 7-methyl- Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.947 | 21.26 ug/l | 300343 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|----|---|---------------------------------|-----|---------|--------------|------|
| 1    |    |   | 1-Undecene, 7-methyl-           | 168 | C12H24  | 074630-42-5  | 53   |
| 2    |    |   | 1-Hexene, 2,5,5-trimethyl-      | 126 | C9H18   | 062185-56-2  | 49   |
| 3    |    |   | Cyclohexane, 1,2,4-trimethyl-   | 126 | C9H18   | 002234-75-5  | 49   |
| 4    |    |   | 2-Hexene, 4-ethyl-2,3-dimethyl- | 140 | C10H20  | 1000149-19-7 | 46   |
| 5    |    |   | 2-Pentene, 3-methyl-, (E)-      | 84  | C6H12   | 000616-12-6  | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070822\  
Data File : VY009484.D  
Acq On : 08 Jul 2022 15:49  
Operator : KP/MD  
Sample : N3595-04  
Misc : 4.79g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20220488A-6A

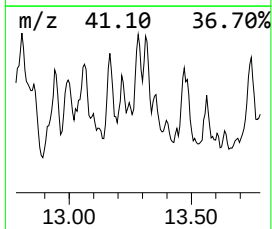
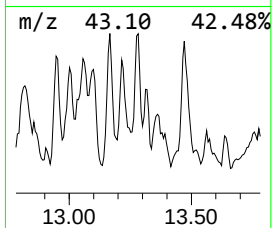
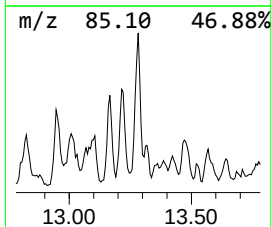
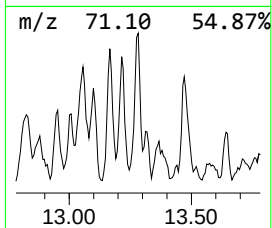
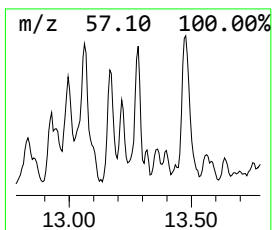
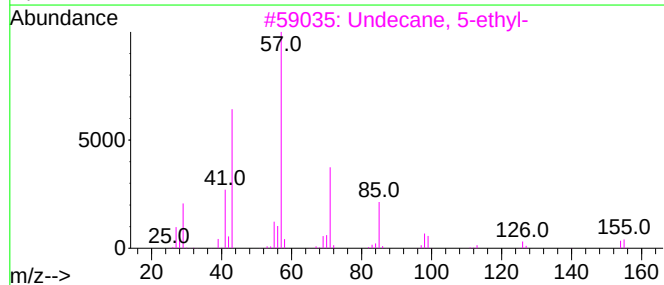
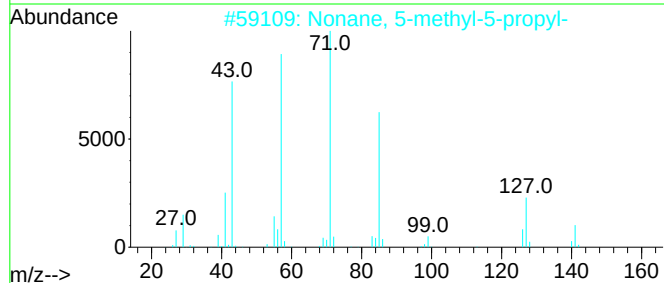
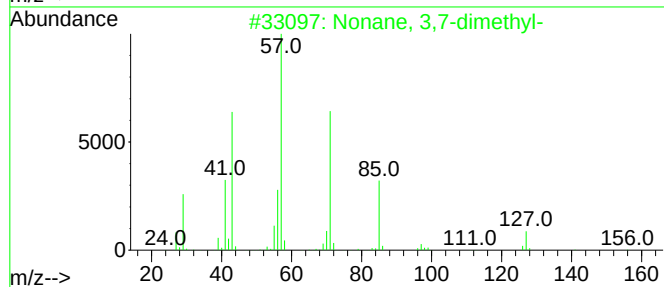
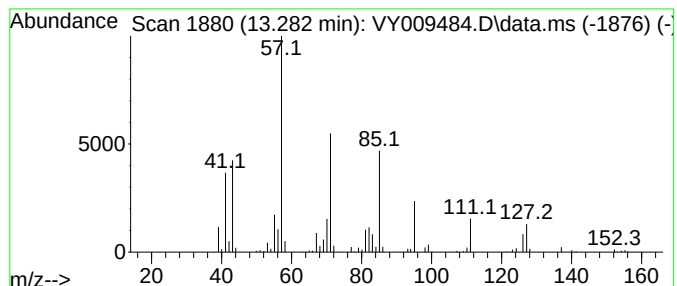
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070722S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 7 Nonane, 3,7-dimethyl- Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.282 | 24.99 ug/l | 353045 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-----------------------------|-----|----------|--------------|------|
| 1    |    |   | Nonane, 3,7-dimethyl-       | 156 | C11H24   | 017302-32-8  | 58   |
| 2    |    |   | Nonane, 5-methyl-5-propyl-  | 184 | C13H28   | 017312-75-3  | 50   |
| 3    |    |   | Undecane, 5-ethyl-          | 184 | C13H28   | 017453-94-0  | 47   |
| 4    |    |   | Dodecane, 3-methyl-         | 184 | C13H28   | 017312-57-1  | 43   |
| 5    |    |   | 5-Nonanol, trimethylacetate | 228 | C14H28O2 | 1000463-48-2 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070822\  
Data File : VY009484.D  
Acq On : 08 Jul 2022 15:49  
Operator : KP/MD  
Sample : N3595-04  
Misc : 4.79g/5.0mL/MSVOA\_Y/soil  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20220488A-6A

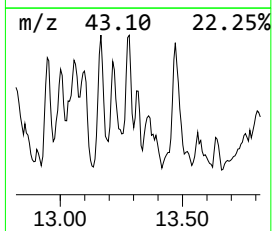
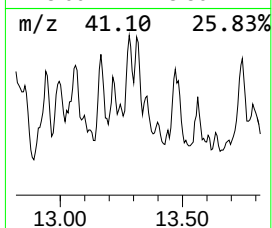
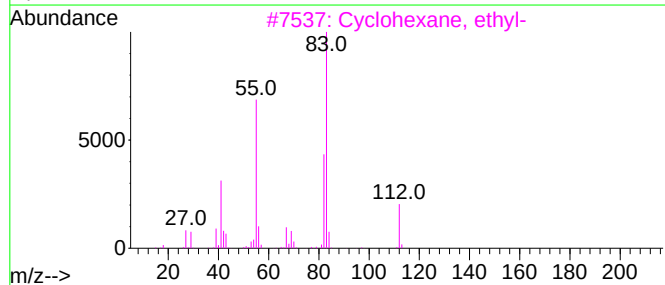
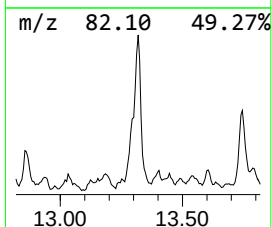
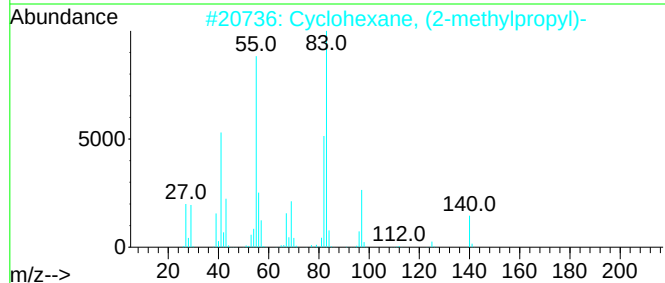
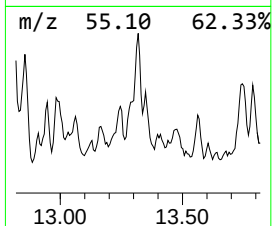
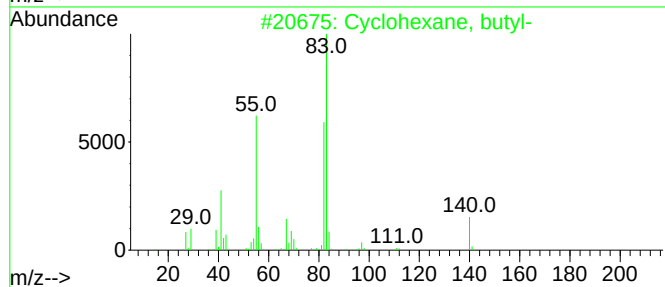
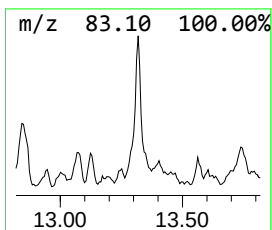
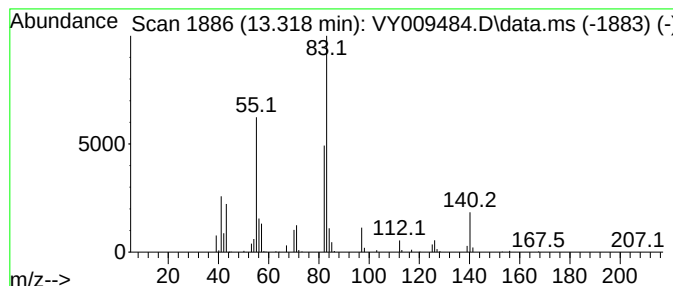
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070722S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 8 Cyclohexane, butyl- Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.319 | 20.67 ug/l | 291997 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Cyclohexane, butyl-                 | 140 | C10H20  | 001678-93-9  | 81   |
| 2    |    |   | Cyclohexane, (2-methylpropyl)-      | 140 | C10H20  | 001678-98-4  | 64   |
| 3    |    |   | Cyclohexane, ethyl-                 | 112 | C8H16   | 001678-91-7  | 59   |
| 4    |    |   | Cyclohexane, propyl-                | 126 | C9H18   | 001678-92-8  | 59   |
| 5    |    |   | 3-Cyclobut-1-enyl-3-hydroxy-2-me... | 156 | C8H12O3 | 1000186-72-4 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070822\  
Data File : VY009484.D  
Acq On : 08 Jul 2022 15:49  
Operator : KP/MD  
Sample : N3595-04  
Misc : 4.79g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20220488A-6A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070722S.M  
Quant Title : SW846 8260

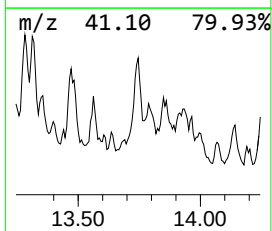
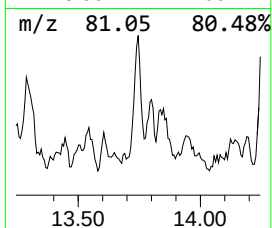
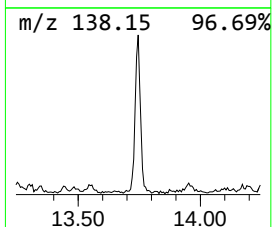
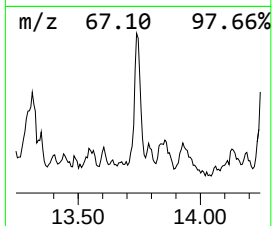
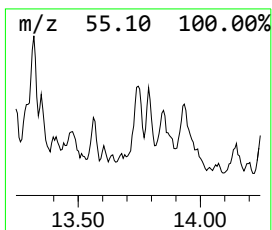
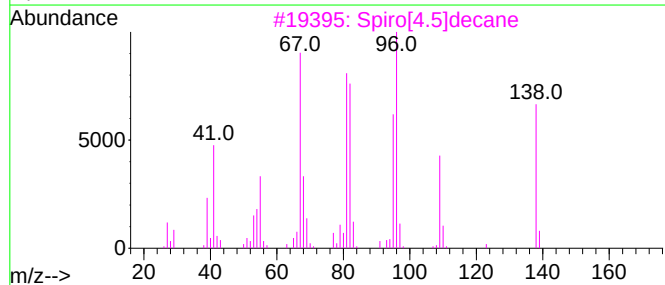
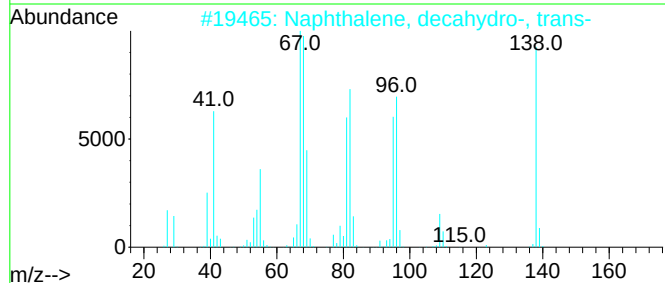
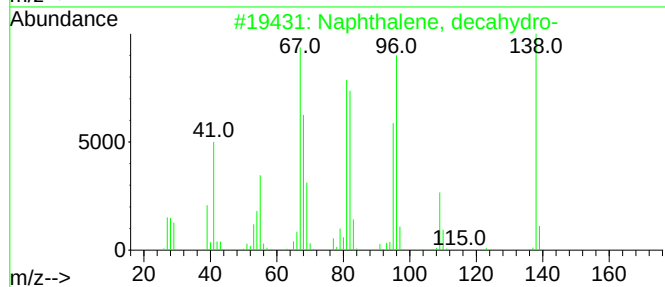
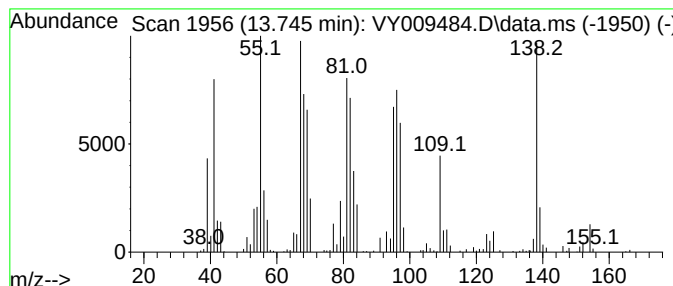
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 9 Naphthalene, decahydro- Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.745 | 25.80 ug/l | 364535 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#         | Qual |
|------|----|---|------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, decahydro-            | 138 | C10H18  | 000091-17-8  | 94   |
| 2    |    |   | Naphthalene, decahydro-, trans-    | 138 | C10H18  | 000493-02-7  | 93   |
| 3    |    |   | Spiro[4.5]decane                   | 138 | C10H18  | 000176-63-6  | 93   |
| 4    |    |   | Naphthalene, decahydro-, cis-      | 138 | C10H18  | 000493-01-6  | 74   |
| 5    |    |   | 2,2-Dimethyl-3-vinylcyclopentanone | 138 | C9H14O  | 1000427-24-5 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070822\  
Data File : VY009484.D  
Acq On : 08 Jul 2022 15:49  
Operator : KP/MD  
Sample : N3595-04  
Misc : 4.79g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20220488A-6A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070722S.M  
Quant Title : SW846 8260

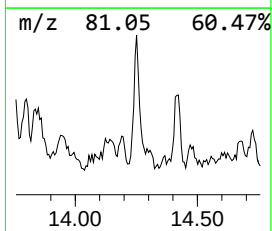
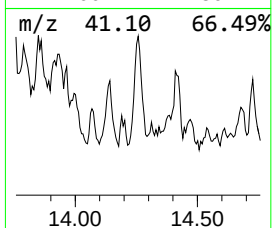
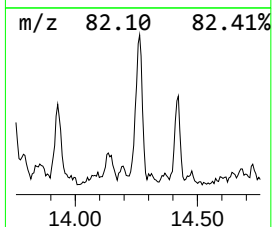
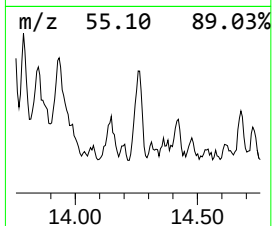
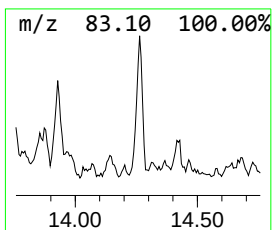
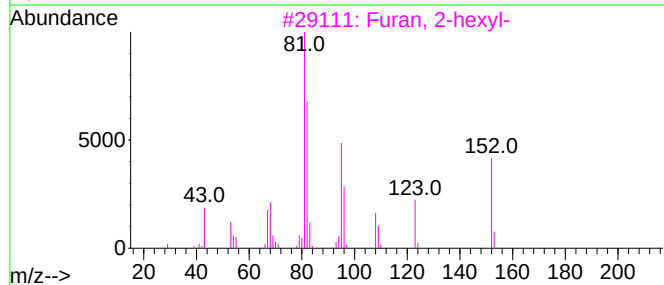
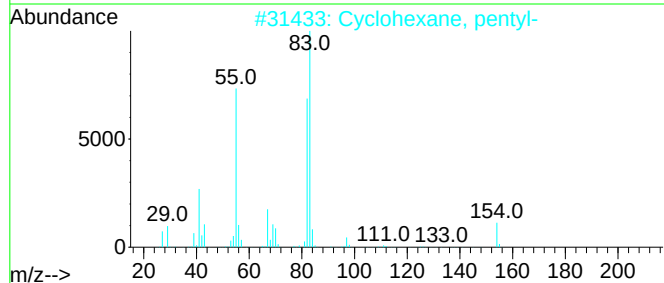
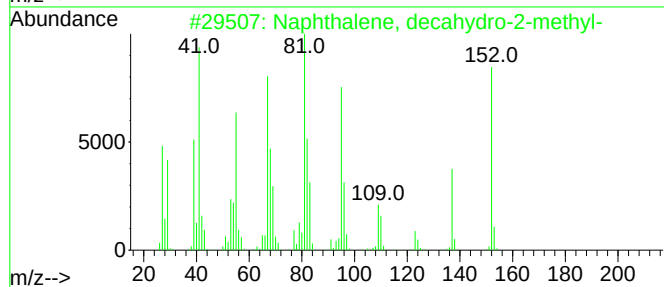
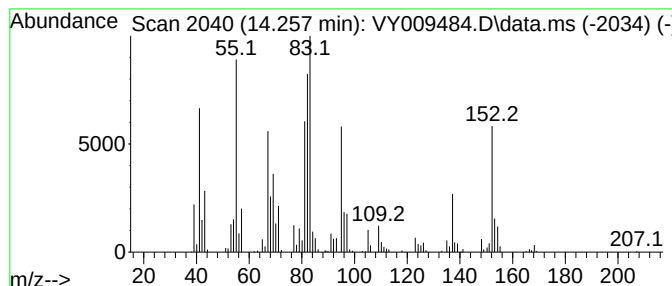
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 10 Naphthalene, decahydro-2-me... Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.257 | 28.65 ug/l | 404682 | 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  | 70   |
| 2    |    |   | Cyclohexane, pentyl-             | 154 | C11H22  | 004292-92-6  | 49   |
| 3    |    |   | Furan, 2-hexyl-                  | 152 | C10H16O | 003777-70-6  | 49   |
| 4    |    |   | Cyclohexane, (1-methylbutyl)-    | 154 | C11H22  | 061208-94-4  | 46   |
| 5    |    |   | Decalin, syn-1-methyl-, cis-     | 152 | C11H20  | 1000158-89-1 | 45   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070822\  
Data File : VY009484.D  
Acq On : 08 Jul 2022 15:49  
Operator : KP/MD  
Sample : N3595-04  
Misc : 4.79g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20220488A-6A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070722S.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 |
| Octane, 2,6-dim... | 12.117 | 26.4    | ug/l  | 401751   | 3                     | 11.483 | 762302 | 50.0 |
| Heptane, 3-ethy... | 12.227 | 28.1    | ug/l  | 427728   | 3                     | 11.483 | 762302 | 50.0 |
| Undecane, 5,6-d... | 12.367 | 22.4    | ug/l  | 342104   | 3                     | 11.483 | 762302 | 50.0 |
| Cyclopropane, 1... | 12.636 | 43.1    | ug/l  | 608871   | 4                     | 13.422 | 706360 | 50.0 |
| Cyclohexane, 1-... | 12.727 | 26.6    | ug/l  | 375528   | 4                     | 13.422 | 706360 | 50.0 |
| 1-Undecene, 7-m... | 12.947 | 21.3    | ug/l  | 300343   | 4                     | 13.422 | 706360 | 50.0 |
| Nonane, 3,7-dim... | 13.282 | 25.0    | ug/l  | 353045   | 4                     | 13.422 | 706360 | 50.0 |
| Cyclohexane, bu... | 13.319 | 20.7    | ug/l  | 291997   | 4                     | 13.422 | 706360 | 50.0 |
| Naphthalene, de... | 13.745 | 25.8    | ug/l  | 364535   | 4                     | 13.422 | 706360 | 50.0 |
| Naphthalene, de... | 14.257 | 28.6    | ug/l  | 404682   | 4                     | 13.422 | 706360 | 50.0 |