

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110121\  
 Data File : VY006553.D  
 Acq On : 01 Nov 2021 15:43  
 Operator : SY/MD  
 Sample : M4428-01  
 Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HD-01-102921

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\82Y102221S.M  
 Title : SW846 8260

Signal : TIC: VY006553.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         | 2.113       | 47            | 48          | 51           | rBV2     | 637            | 789           | 2.76%           | 0.307%        |
| 2         | 2.381       | 90            | 92          | 94           | rBV      | 545            | 304           | 1.07%           | 0.118%        |
| 3         | 2.503       | 110           | 112         | 115          | rBV3     | 337            | 455           | 1.59%           | 0.177%        |
| 4         | 2.552       | 118           | 120         | 122          | rVB3     | 439            | 315           | 1.10%           | 0.123%        |
| 5         | 2.625       | 130           | 132         | 134          | rVV2     | 528            | 340           | 1.19%           | 0.132%        |
| 6         | 2.662       | 134           | 138         | 146          | rVB5     | 1293           | 3304          | 11.58%          | 1.285%        |
| 7         | 2.857       | 167           | 170         | 171          | rBV2     | 284            | 316           | 1.11%           | 0.123%        |
| 8         | 2.985       | 188           | 191         | 194          | rVB2     | 223            | 327           | 1.15%           | 0.127%        |
| 9         | 3.320       | 243           | 246         | 247          | rVB2     | 350            | 329           | 1.15%           | 0.128%        |
| 10        | 3.363       | 251           | 253         | 256          | rVB3     | 324            | 383           | 1.34%           | 0.149%        |
| 11        | 3.430       | 261           | 264         | 267          | rVB3     | 215            | 320           | 1.12%           | 0.124%        |
| 12        | 3.613       | 290           | 294         | 297          | rVB3     | 238            | 350           | 1.23%           | 0.136%        |
| 13        | 3.863       | 331           | 335         | 337          | rBV      | 264            | 300           | 1.05%           | 0.117%        |
| 14        | 4.259       | 397           | 400         | 402          | rBV2     | 220            | 332           | 1.16%           | 0.129%        |
| 15        | 4.405       | 421           | 424         | 426          | rBV3     | 291            | 323           | 1.13%           | 0.126%        |
| 16        | 4.710       | 469           | 474         | 477          | rBV4     | 732            | 1306          | 4.58%           | 0.508%        |
| 17        | 5.570       | 609           | 615         | 616          | rBV      | 239            | 339           | 1.19%           | 0.132%        |
| 18        | 5.747       | 639           | 644         | 649          | rBV3     | 268            | 552           | 1.93%           | 0.215%        |
| 19        | 6.051       | 689           | 694         | 698          | rVB      | 293            | 555           | 1.94%           | 0.216%        |
| 20        | 6.588       | 778           | 782         | 784          | rBV2     | 268            | 333           | 1.17%           | 0.130%        |
| 21        | 6.710       | 798           | 802         | 805          | rBV2     | 204            | 349           | 1.22%           | 0.136%        |
| 22        | 6.880       | 825           | 830         | 831          | rBV2     | 292            | 433           | 1.52%           | 0.168%        |
| 23        | 7.722       | 963           | 968         | 973          | rBV5     | 1052           | 2088          | 7.32%           | 0.812%        |
| 24        | 7.795       | 973           | 980         | 990          | rVB2     | 6431           | 13822         | 48.43%          | 5.376%        |
| 25        | 8.142       | 1030          | 1037        | 1047         | rVB2     | 5303           | 11322         | 39.67%          | 4.403%        |
| 26        | 8.691       | 1118          | 1127        | 1134         | rBV      | 10846          | 21051         | 73.75%          | 8.187%        |
| 27        | 9.270       | 1219          | 1222        | 1226         | rVB2     | 356            | 502           | 1.76%           | 0.195%        |
| 28        | 9.313       | 1226          | 1229        | 1232         | rBV2     | 203            | 315           | 1.10%           | 0.123%        |
| 29        | 9.386       | 1234          | 1241        | 1246         | rVV4     | 267            | 678           | 2.38%           | 0.264%        |
| 30        | 9.435       | 1247          | 1249        | 1253         | rVV3     | 252            | 333           | 1.17%           | 0.130%        |
| 31        | 9.532       | 1257          | 1265        | 1268         | rVB3     | 243            | 502           | 1.76%           | 0.195%        |
| 32        | 9.880       | 1319          | 1322        | 1325         | rBV2     | 310            | 415           | 1.45%           | 0.161%        |
| 33        | 10.179      | 1365          | 1371        | 1380         | rVB      | 16795          | 28543         | 100.00%         | 11.101%       |
| 34        | 11.105      | 1520          | 1523        | 1525         | rVB2     | 367            | 321           | 1.12%           | 0.125%        |
| 35        | 11.489      | 1581          | 1586        | 1593         | rBV      | 15705          | 25564         | 89.56%          | 9.943%        |
| 36        | 11.666      | 1610          | 1615        | 1616         | rBV2     | 278            | 393           | 1.38%           | 0.153%        |

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 Sample : M4428-01  
 Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HD-01-102921

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\82Y102221S.M  
 Title : SW846 8260

|    |        |      |      |      |       |       |       |        |        |
|----|--------|------|------|------|-------|-------|-------|--------|--------|
| 37 | 12.075 | 1680 | 1682 | 1685 | rBV2  | 304   | 335   | 1.17%  | 0.130% |
| 38 | 12.227 | 1703 | 1707 | 1709 | rBV2  | 263   | 318   | 1.11%  | 0.124% |
| 39 | 12.331 | 1720 | 1724 | 1725 | rBV2  | 231   | 319   | 1.12%  | 0.124% |
| 40 | 12.483 | 1742 | 1749 | 1755 | rBV2  | 9933  | 15797 | 55.34% | 6.144% |
| 41 | 12.672 | 1778 | 1780 | 1782 | rVB2  | 436   | 402   | 1.41%  | 0.156% |
| 42 | 12.690 | 1782 | 1783 | 1785 | rBV   | 345   | 324   | 1.14%  | 0.126% |
| 43 | 12.806 | 1798 | 1802 | 1805 | rBV4  | 2024  | 3107  | 10.89% | 1.208% |
| 44 | 12.861 | 1809 | 1811 | 1814 | rVB3  | 593   | 545   | 1.91%  | 0.212% |
| 45 | 12.977 | 1827 | 1830 | 1832 | rBV2  | 340   | 328   | 1.15%  | 0.128% |
| 46 | 13.044 | 1837 | 1841 | 1845 | rVB5  | 1019  | 1677  | 5.88%  | 0.652% |
| 47 | 13.166 | 1858 | 1861 | 1866 | rBV3  | 491   | 747   | 2.62%  | 0.291% |
| 48 | 13.209 | 1866 | 1868 | 1869 | rBV   | 392   | 330   | 1.16%  | 0.128% |
| 49 | 13.294 | 1878 | 1882 | 1883 | rBV2  | 412   | 414   | 1.45%  | 0.161% |
| 50 | 13.312 | 1883 | 1885 | 1890 | rVV4  | 685   | 1050  | 3.68%  | 0.408% |
| 51 | 13.361 | 1890 | 1893 | 1896 | rVB3  | 965   | 1273  | 4.46%  | 0.495% |
| 52 | 13.422 | 1896 | 1903 | 1909 | rVB   | 11177 | 18956 | 66.41% | 7.373% |
| 53 | 13.501 | 1913 | 1916 | 1920 | rVB4  | 1384  | 1792  | 6.28%  | 0.697% |
| 54 | 13.532 | 1920 | 1921 | 1924 | rBV3  | 408   | 428   | 1.50%  | 0.166% |
| 55 | 13.562 | 1924 | 1926 | 1929 | rBV3  | 670   | 502   | 1.76%  | 0.195% |
| 56 | 13.605 | 1932 | 1933 | 1935 | rBV2  | 419   | 303   | 1.06%  | 0.118% |
| 57 | 13.678 | 1942 | 1945 | 1946 | rBV2  | 314   | 329   | 1.15%  | 0.128% |
| 58 | 13.751 | 1952 | 1957 | 1962 | rBV   | 8148  | 12847 | 45.01% | 4.997% |
| 59 | 13.794 | 1962 | 1964 | 1967 | rVV3  | 873   | 977   | 3.42%  | 0.380% |
| 60 | 13.818 | 1967 | 1968 | 1970 | rVV2  | 462   | 427   | 1.50%  | 0.166% |
| 61 | 13.861 | 1972 | 1975 | 1977 | rVB5  | 618   | 686   | 2.40%  | 0.267% |
| 62 | 13.916 | 1978 | 1984 | 1988 | rBV6  | 1093  | 1967  | 6.89%  | 0.765% |
| 63 | 13.946 | 1988 | 1989 | 1990 | rBV   | 590   | 319   | 1.12%  | 0.124% |
| 64 | 14.019 | 1997 | 2001 | 2006 | rVB5  | 1427  | 2635  | 9.23%  | 1.025% |
| 65 | 14.074 | 2006 | 2010 | 2011 | rBV2  | 909   | 1240  | 4.34%  | 0.482% |
| 66 | 14.141 | 2015 | 2021 | 2027 | rBV8  | 1110  | 2971  | 10.41% | 1.156% |
| 67 | 14.196 | 2027 | 2030 | 2033 | rBV5  | 985   | 1018  | 3.57%  | 0.396% |
| 68 | 14.257 | 2033 | 2040 | 2046 | rVB10 | 3499  | 9454  | 33.12% | 3.677% |
| 69 | 14.318 | 2046 | 2050 | 2053 | rBV4  | 1933  | 2712  | 9.50%  | 1.055% |
| 70 | 14.361 | 2055 | 2057 | 2058 | rBV2  | 519   | 465   | 1.63%  | 0.181% |
| 71 | 14.385 | 2058 | 2061 | 2064 | rBV4  | 1120  | 1426  | 5.00%  | 0.555% |
| 72 | 14.422 | 2064 | 2067 | 2073 | rVV6  | 2351  | 3244  | 11.37% | 1.262% |
| 73 | 14.471 | 2073 | 2075 | 2083 | rVB6  | 1382  | 2204  | 7.72%  | 0.857% |
| 74 | 14.550 | 2085 | 2088 | 2092 | rBV6  | 1021  | 1558  | 5.46%  | 0.606% |
| 75 | 14.611 | 2094 | 2098 | 2104 | rVB2  | 4847  | 7699  | 26.97% | 2.994% |
| 76 | 14.678 | 2104 | 2109 | 2113 | rBV7  | 2112  | 4603  | 16.13% | 1.790% |

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 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HD-01-102921

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\82Y102221S.M  
 Title : SW846 8260

|     |        |      |      |      |      |      |      |        |        |
|-----|--------|------|------|------|------|------|------|--------|--------|
| 77  | 14.727 | 2114 | 2117 | 2126 | rVB7 | 3148 | 5523 | 19.35% | 2.148% |
| 78  | 14.800 | 2126 | 2129 | 2133 | rBV6 | 1099 | 1866 | 6.54%  | 0.726% |
| 79  | 14.842 | 2134 | 2136 | 2140 | rBV4 | 1099 | 1293 | 4.53%  | 0.503% |
| 80  | 14.940 | 2150 | 2152 | 2156 | rVB4 | 790  | 873  | 3.06%  | 0.340% |
| 81  | 14.977 | 2156 | 2158 | 2162 | rVB5 | 848  | 1022 | 3.58%  | 0.397% |
| 82  | 15.044 | 2162 | 2169 | 2170 | rBV5 | 1647 | 2796 | 9.80%  | 1.087% |
| 83  | 15.220 | 2191 | 2198 | 2202 | rBV9 | 1789 | 3934 | 13.78% | 1.530% |
| 84  | 15.312 | 2210 | 2213 | 2214 | rBV3 | 639  | 523  | 1.83%  | 0.203% |
| 85  | 15.446 | 2230 | 2235 | 2241 | rVB8 | 1460 | 2946 | 10.32% | 1.146% |
| 86  | 15.495 | 2241 | 2243 | 2246 | rBV4 | 665  | 1008 | 3.53%  | 0.392% |
| 87  | 15.544 | 2248 | 2251 | 2255 | rVV6 | 861  | 1369 | 4.80%  | 0.532% |
| 88  | 15.611 | 2258 | 2262 | 2266 | rVB5 | 1409 | 2193 | 7.68%  | 0.853% |
| 89  | 15.800 | 2292 | 2293 | 2294 | rBV2 | 576  | 304  | 1.07%  | 0.118% |
| 90  | 15.897 | 2308 | 2309 | 2313 | rVB4 | 922  | 858  | 3.01%  | 0.334% |
| 91  | 16.031 | 2329 | 2331 | 2332 | rBV2 | 553  | 344  | 1.21%  | 0.134% |
| 92  | 16.050 | 2332 | 2334 | 2336 | rVB3 | 809  | 586  | 2.05%  | 0.228% |
| 93  | 16.135 | 2347 | 2348 | 2350 | rBV2 | 454  | 359  | 1.26%  | 0.140% |
| 94  | 16.239 | 2363 | 2365 | 2366 | rBV2 | 523  | 436  | 1.53%  | 0.170% |
| 95  | 16.397 | 2389 | 2391 | 2393 | rVB2 | 552  | 415  | 1.45%  | 0.161% |
| 96  | 16.421 | 2393 | 2395 | 2397 | rBV  | 717  | 583  | 2.04%  | 0.227% |
| 97  | 16.543 | 2413 | 2415 | 2417 | rVB3 | 670  | 430  | 1.51%  | 0.167% |
| 98  | 16.617 | 2425 | 2427 | 2429 | rBV3 | 689  | 501  | 1.76%  | 0.195% |
| 99  | 16.714 | 2441 | 2443 | 2445 | rVB3 | 556  | 504  | 1.77%  | 0.196% |
| 100 | 16.738 | 2445 | 2447 | 2448 | rBV2 | 576  | 517  | 1.81%  | 0.201% |

Sum of corrected areas: 257114



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Sample : M4428-01  
Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-102921

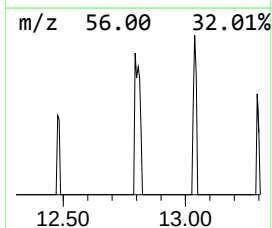
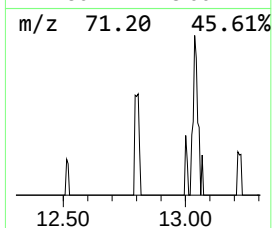
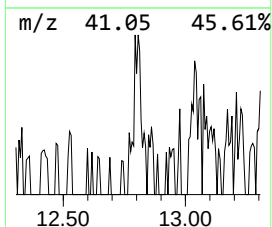
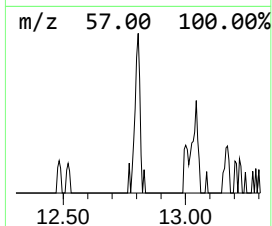
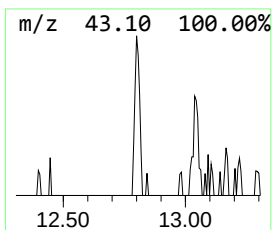
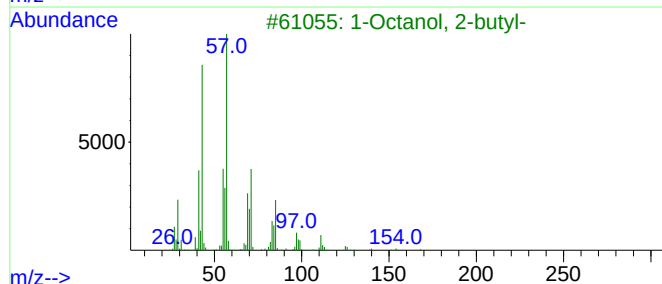
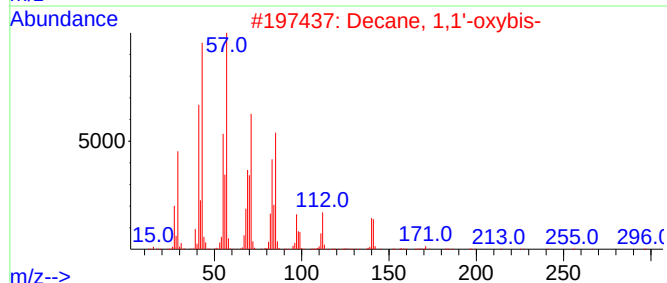
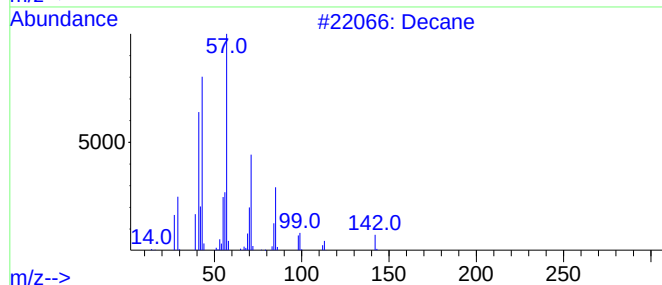
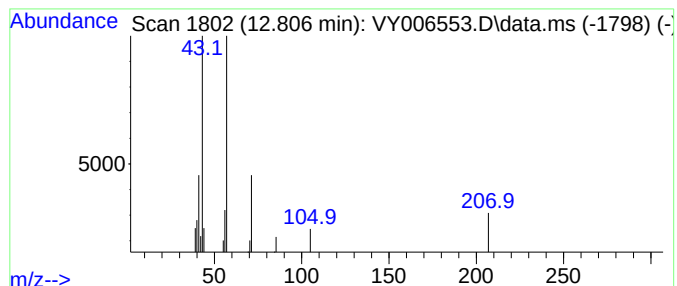
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Decane Concentration Rank 8

| R.T.   | EstConc   | Area | Relative to ISTD       | R.T.   |
|--------|-----------|------|------------------------|--------|
| 12.806 | 8.20 ug/l | 3107 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm  | CAS#         | Qual |
|------|----|---|----------------------|-----|----------|--------------|------|
| 1    |    |   | Decane               | 142 | C10H22   | 000124-18-5  | 53   |
| 2    |    |   | Decane, 1,1'-oxybis- | 298 | C20H42O  | 002456-28-2  | 53   |
| 3    |    |   | 1-Octanol, 2-butyl-  | 186 | C12H26O  | 003913-02-8  | 50   |
| 4    |    |   | Decyl octyl ether    | 270 | C18H38O  | 1000406-38-3 | 50   |
| 5    |    |   | Dodecane, 1-chloro-  | 204 | C12H25Cl | 000112-52-7  | 47   |



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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
Quant Title : SW846 8260

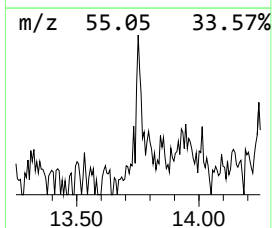
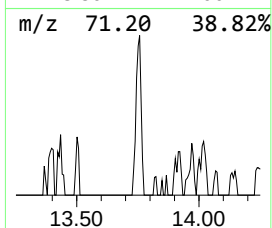
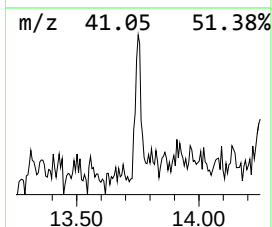
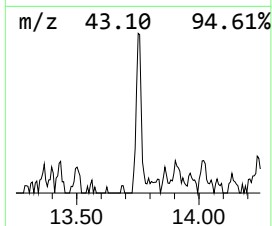
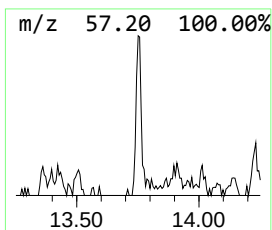
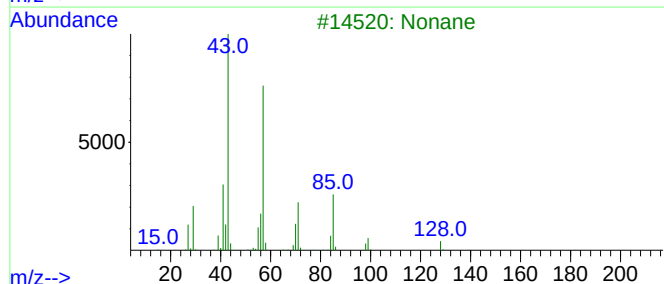
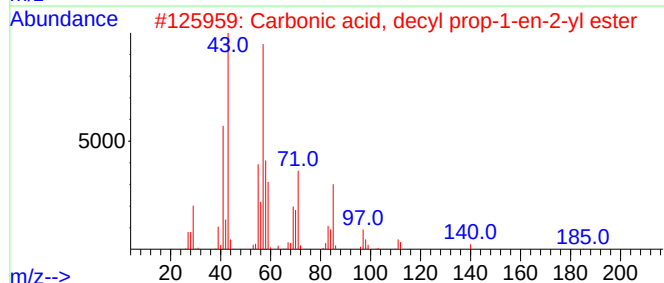
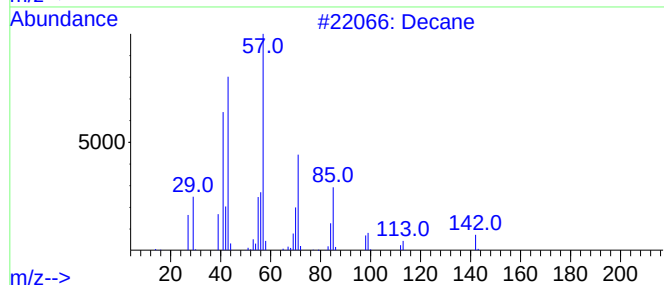
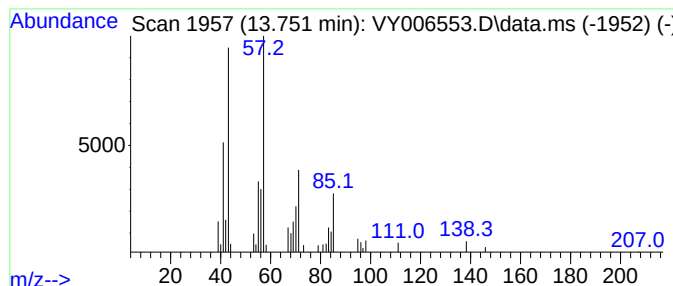
TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Carbonic acid, decyl prop-1... Concentration Rank 1

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 13.751 | 33.89 ug/l | 12847 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Decane                              | 142 | C10H22   | 000124-18-5  | 78   |
| 2    |    |   | Carbonic acid, decyl prop-1-en-2... | 242 | C14H26O3 | 1000382-90-5 | 72   |
| 3    |    |   | Nonane                              | 128 | C9H20    | 000111-84-2  | 72   |
| 4    |    |   | Octane                              | 114 | C8H18    | 000111-65-9  | 64   |
| 5    |    |   | Octane, 1,1'-oxybis-                | 242 | C16H34O  | 000629-82-3  | 53   |



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Quant Title : SW846 8260

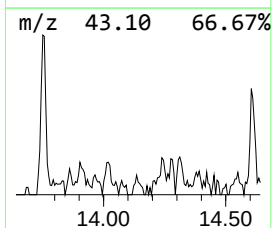
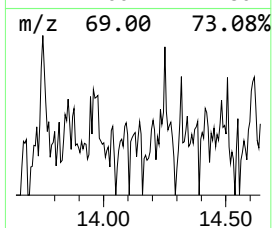
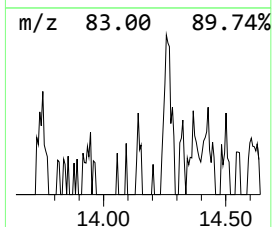
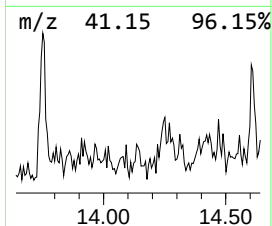
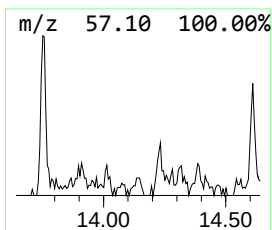
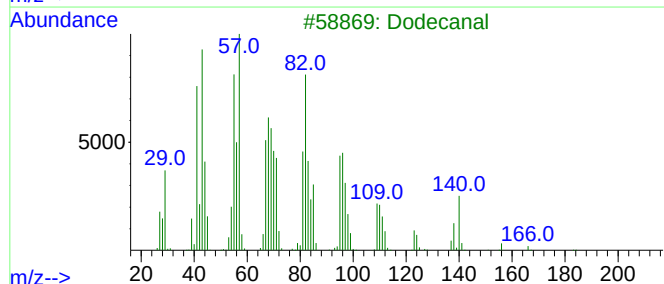
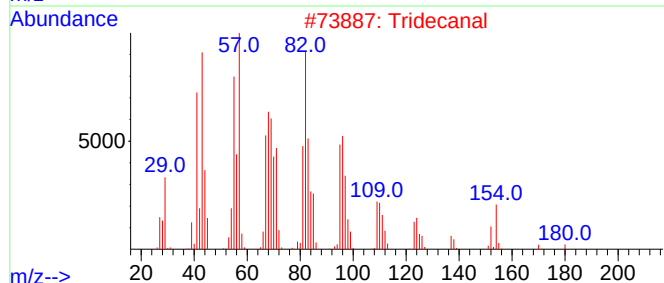
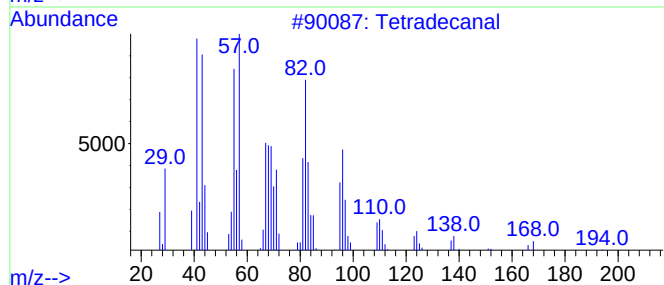
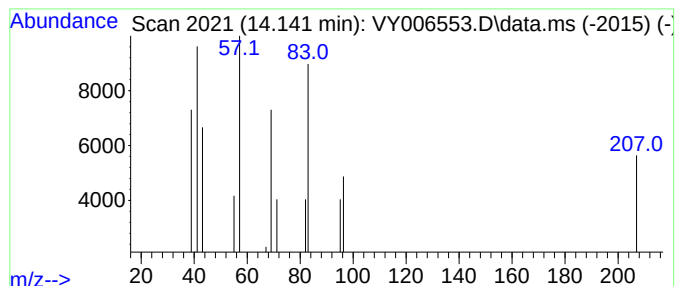
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown14.141 Concentration Rank 9

| R.T.   | EstConc   | Area | Relative to ISTD       | R.T.   |
|--------|-----------|------|------------------------|--------|
| 14.141 | 7.84 ug/l | 2971 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Tetradecanal                        | 212 | C14H28O | 000124-25-4  | 23   |
| 2    |    |   | Tridecanal                          | 198 | C13H26O | 010486-19-8  | 23   |
| 3    |    |   | Dodecanal                           | 184 | C12H24O | 000112-54-9  | 17   |
| 4    |    |   | 1-Pentanol, 4-methyl-2-methylene-   | 114 | C7H14O  | 121505-31-5  | 16   |
| 5    |    |   | Bicyclo[3.3.0]octan-3-one, 6-hyd... | 154 | C9H14O2 | 1005239-70-2 | 12   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110121\  
Data File : VY006553.D  
Acq On : 01 Nov 2021 15:43  
Operator : SY/MD  
Sample : M4428-01  
Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-102921

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
Quant Title : SW846 8260

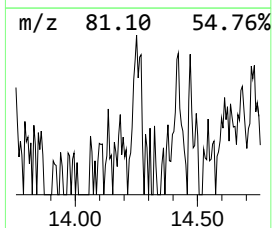
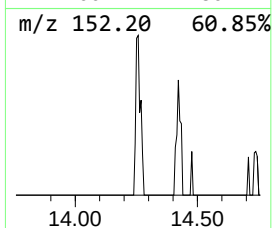
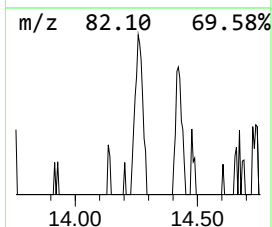
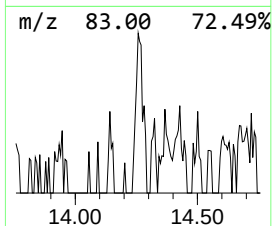
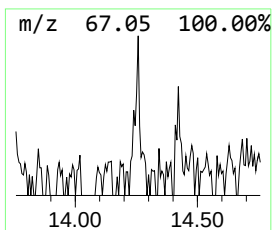
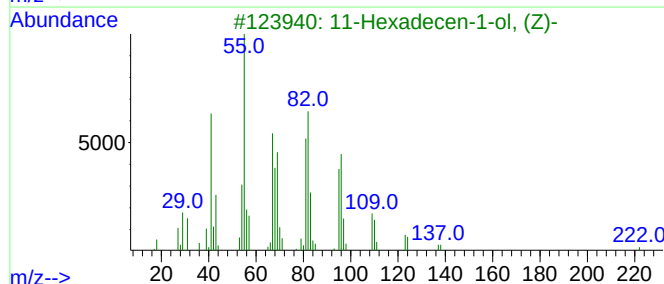
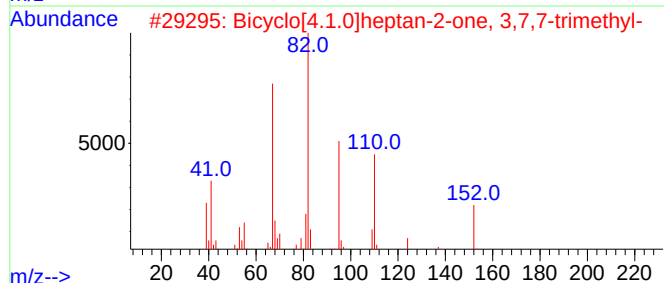
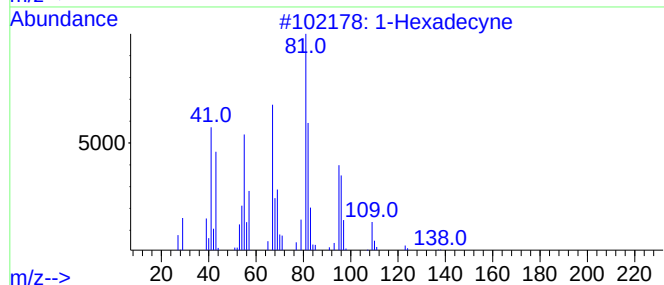
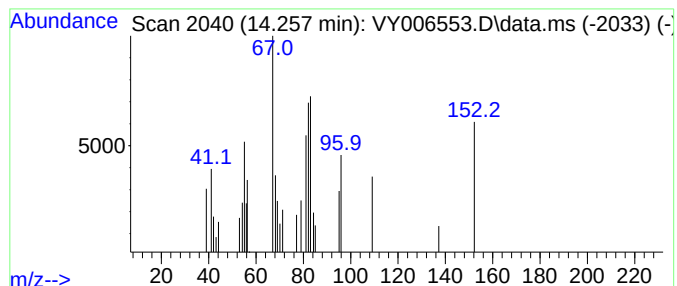
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown14.257 Concentration Rank 2

| R.T.   | EstConc    | Area | Relative to ISTD       | R.T.   |
|--------|------------|------|------------------------|--------|
| 14.257 | 24.94 ug/l | 9454 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 1-Hexadecyne                        | 222 | C16H30   | 000629-74-3 | 47   |
| 2    |    |   | Bicyclo[4.1.0]heptan-2-one, 3,7,... | 152 | C10H16O  | 000497-62-1 | 43   |
| 3    |    |   | 11-Hexadecen-1-ol, (Z)-             | 240 | C16H32O  | 056683-54-6 | 38   |
| 4    |    |   | 1,16-Hexadecanediol                 | 258 | C16H34O2 | 007735-42-4 | 38   |
| 5    |    |   | 1,13-Tetradecadiene                 | 194 | C14H26   | 021964-49-8 | 35   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110121\  
Data File : VY006553.D  
Acq On : 01 Nov 2021 15:43  
Operator : SY/MD  
Sample : M4428-01  
Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-102921

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
Quant Title : SW846 8260

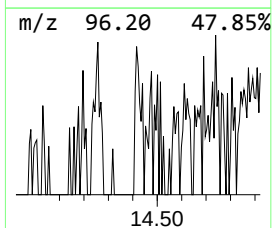
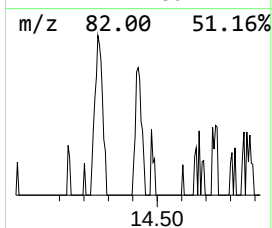
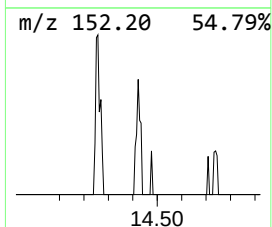
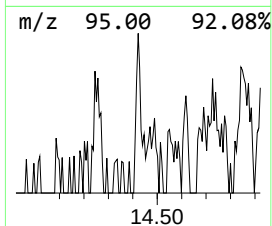
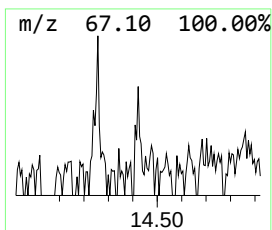
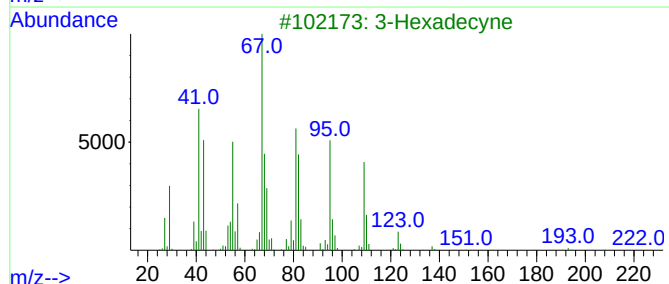
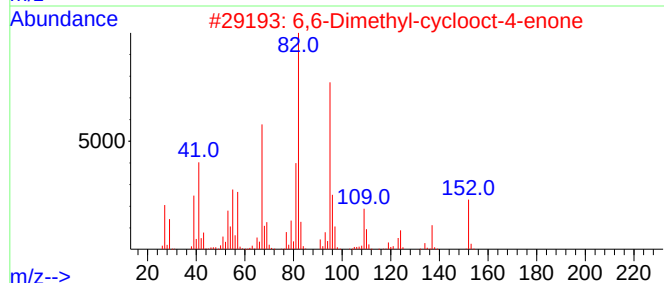
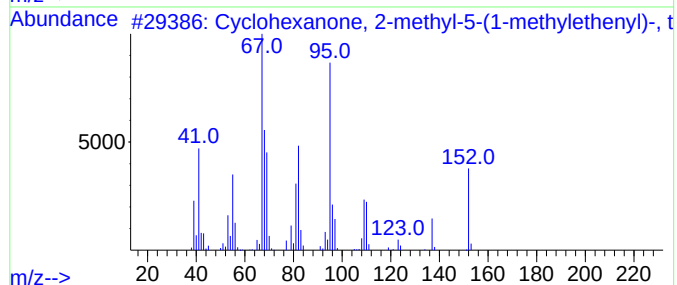
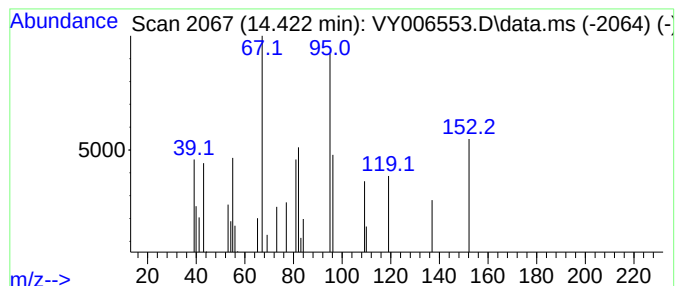
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Cyclohexanone, 2-methyl-5-(... Concentration Rank 7

| R.T.   | EstConc   | Area | Relative to ISTD       | R.T.   |
|--------|-----------|------|------------------------|--------|
| 14.422 | 8.56 ug/l | 3244 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Cyclohexanone, 2-methyl-5-(1-met... | 152 | C10H16O | 005948-04-9  | 53   |
| 2    |    |   | 6,6-Dimethyl-cyclooct-4-enone       | 152 | C10H16O | 1000194-10-0 | 43   |
| 3    |    |   | 3-Hexadecyne                        | 222 | C16H30  | 061886-62-2  | 35   |
| 4    |    |   | 1,4-Pentadiene, 2,3,3-trimethyl-    | 110 | C8H14   | 000756-02-5  | 30   |
| 5    |    |   | 3-Octyne, 7-methyl-                 | 124 | C9H16   | 037050-06-9  | 27   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110121\  
Data File : VY006553.D  
Acq On : 01 Nov 2021 15:43  
Operator : SY/MD  
Sample : M4428-01  
Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-102921

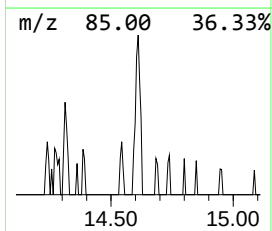
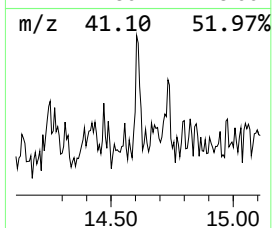
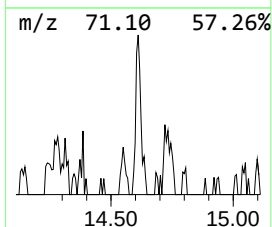
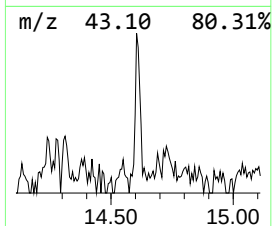
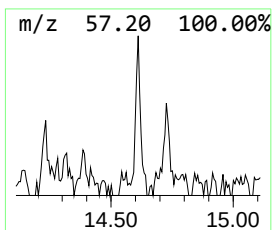
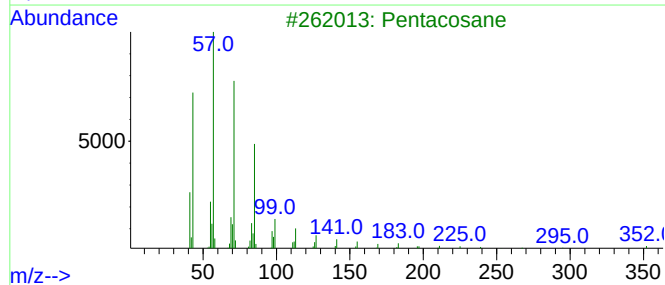
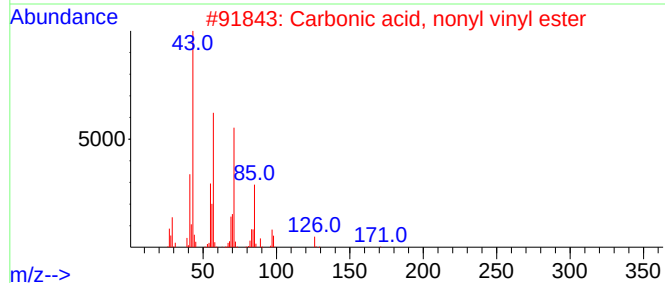
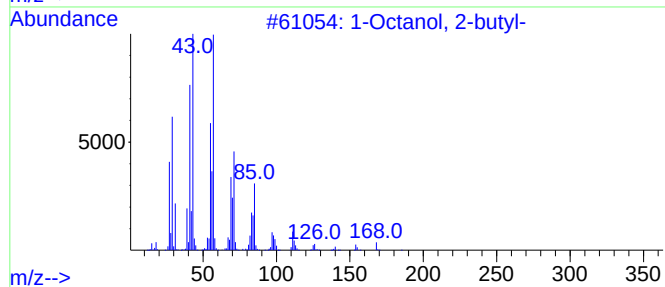
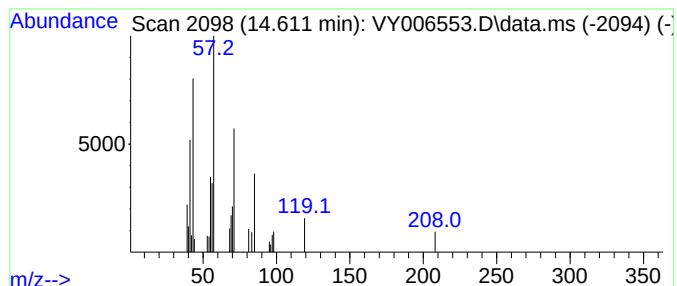
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Quant Title : SW846 8260

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

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Peak Number 6 1-Octanol, 2-butyl- Concentration Rank 3

| R.T.   | EstConc    | Area | Relative to ISTD       | R.T.   |
|--------|------------|------|------------------------|--------|
| 14.611 | 20.31 ug/l | 7699 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm  | CAS#         | Qual |
|------|----|---|----------------------------------|-----|----------|--------------|------|
| 1    |    |   | 1-Octanol, 2-butyl-              | 186 | C12H26O  | 003913-02-8  | 72   |
| 2    |    |   | Carbonic acid, nonyl vinyl ester | 214 | C12H22O3 | 1000383-25-6 | 58   |
| 3    |    |   | Pentacosane                      | 352 | C25H52   | 000629-99-2  | 50   |
| 4    |    |   | Hexacosane                       | 366 | C26H54   | 000630-01-3  | 50   |
| 5    |    |   | Undecane, 2,3-dimethyl-          | 184 | C13H28   | 017312-77-5  | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110121\  
Data File : VY006553.D  
Acq On : 01 Nov 2021 15:43  
Operator : SY/MD  
Sample : M4428-01  
Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-102921

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
Quant Title : SW846 8260

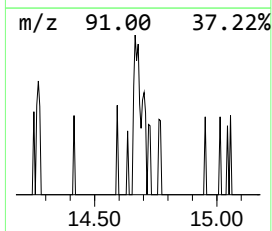
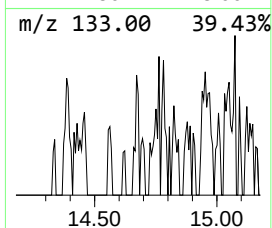
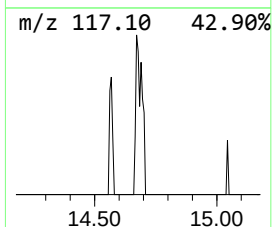
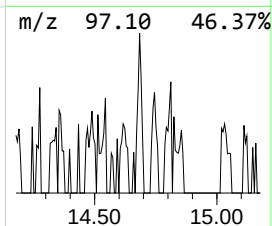
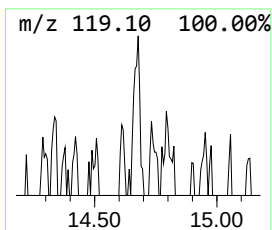
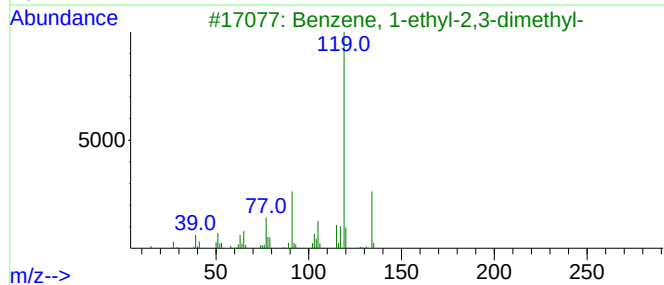
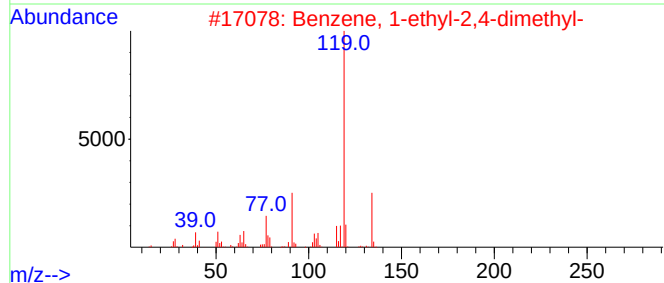
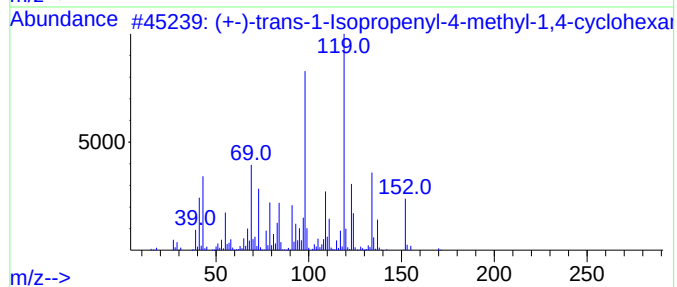
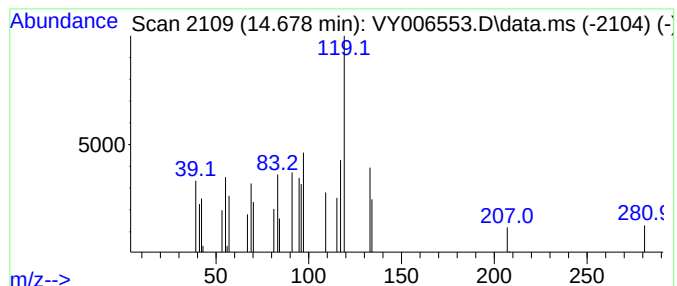
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown14.678 Concentration Rank 5

| R.T.   | EstConc    | Area | Relative to ISTD       | R.T.   |
|--------|------------|------|------------------------|--------|
| 14.678 | 12.14 ug/l | 4603 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of                                 | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | (+)-trans-1-Isopropenyl-4-methy... | 170 | C10H18O2     | 061465-23-4 | 12      |      |      |
| 2    | Benzene, 1-ethyl-2,4-dimethyl-     | 134 | C10H14       | 000874-41-9 | 9       |      |      |
| 3    | Benzene, 1-ethyl-2,3-dimethyl-     | 134 | C10H14       | 000933-98-2 | 9       |      |      |
| 4    | Benzene, tert-butyl-               | 134 | C10H14       | 000098-06-6 | 9       |      |      |
| 5    | 1,3,8-p-Menthatriene               | 134 | C10H14       | 018368-95-1 | 9       |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110121\  
Data File : VY006553.D  
Acq On : 01 Nov 2021 15:43  
Operator : SY/MD  
Sample : M4428-01  
Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-102921

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
Quant Title : SW846 8260

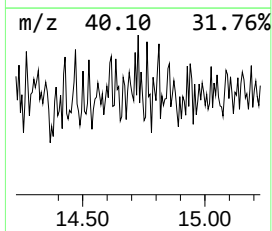
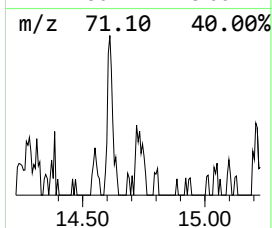
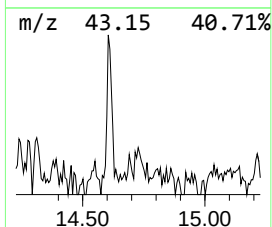
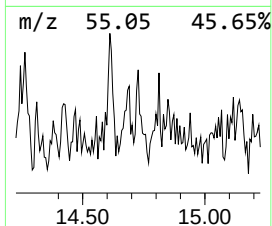
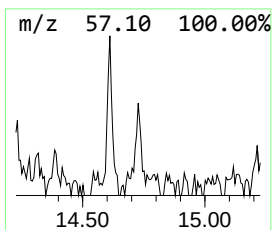
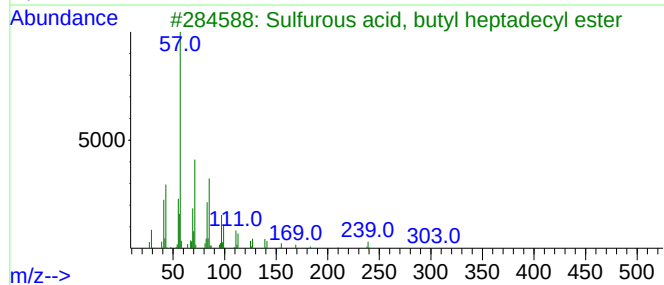
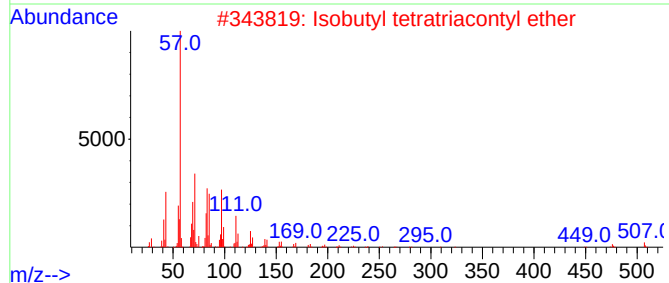
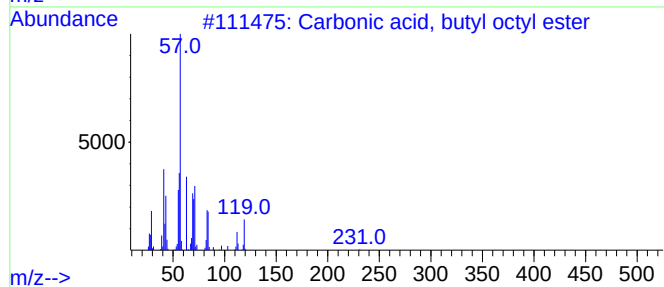
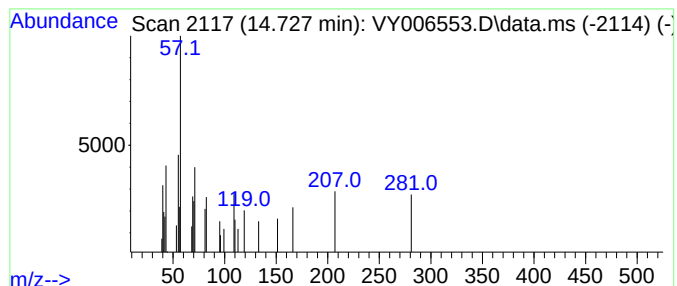
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 unknown14.727 Concentration Rank 4

| R.T.   | EstConc    | Area | Relative to ISTD       | R.T.   |
|--------|------------|------|------------------------|--------|
| 14.727 | 14.57 ug/l | 5523 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Carbonic acid, butyl octyl ester    | 230 | C13H26O3    | 1010314-63-5 | 10   |
| 2    |    |   | Isobutyl tetratriacontyl ether      | 551 | C38H78O     | 1000406-33-7 | 9    |
| 3    |    |   | Sulfurous acid, butyl heptadecyl... | 376 | C21H44O3S   | 1000309-18-4 | 9    |
| 4    |    |   | Octane, 3,5-dimethyl-               | 142 | C10H22      | 015869-93-9  | 9    |
| 5    |    |   | Silane, trichlorooctadecyl-         | 386 | C18H37Cl3Si | 000112-04-9  | 8    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110121\  
Data File : VY006553.D  
Acq On : 01 Nov 2021 15:43  
Operator : SY/MD  
Sample : M4428-01  
Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-102921

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
Quant Title : SW846 8260

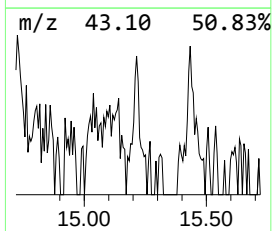
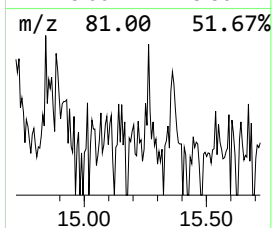
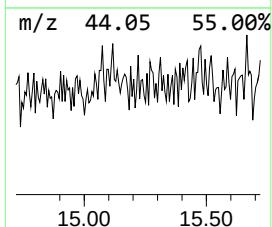
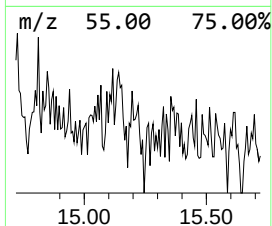
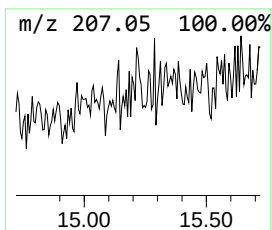
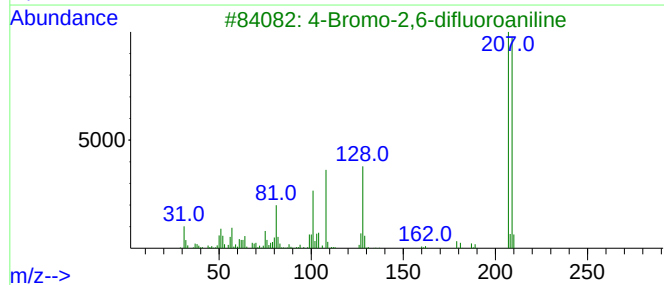
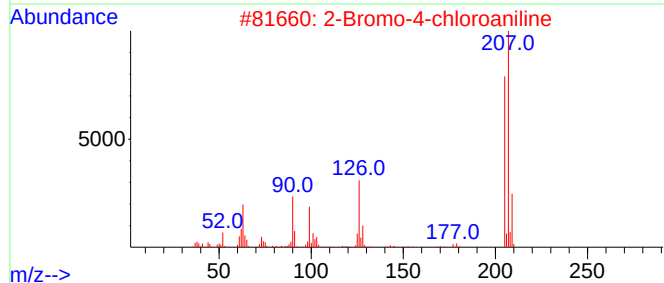
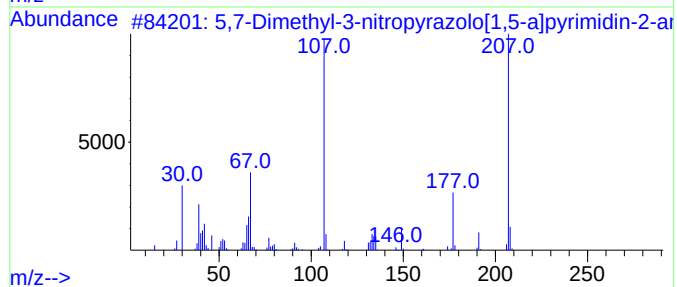
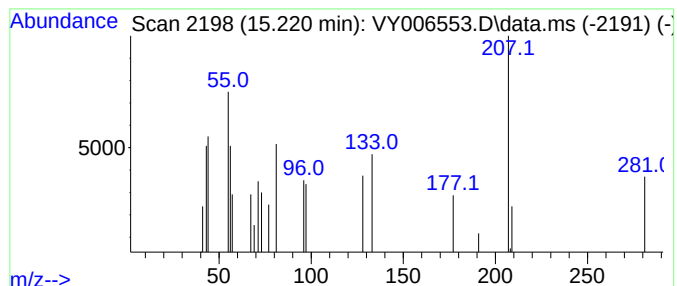
TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 unknown15.220 Concentration Rank 6

| R.T.   | EstConc    | Area | Relative to ISTD       | R.T.   |
|--------|------------|------|------------------------|--------|
| 15.220 | 10.38 ug/l | 3934 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 5,7-Dimethyl-3-nitropyrzolo[1,5...  | 207 | C8H9N5O2   | 1000489-27-6 | 10   |
| 2    |    |   | 2-Bromo-4-chloroaniline             | 205 | C6H5BrClN  | 000873-38-1  | 9    |
| 3    |    |   | 4-Bromo-2,6-difluoroaniline         | 207 | C6H4BrF2N  | 067567-26-4  | 9    |
| 4    |    |   | 4-Bromo-3-chloroaniline             | 205 | C6H5BrClN  | 021402-26-6  | 9    |
| 5    |    |   | 2-Chloro-8-methoxy-3-methylquino... | 207 | C11H10ClNO | 132118-31-1  | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110121\  
Data File : VY006553.D  
Acq On : 01 Nov 2021 15:43  
Operator : SY/MD  
Sample : M4428-01  
Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-102921

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.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 |
| Decane             | 12.806 | 8.2     | ug/l  | 3107     | 4                     | 13.428 | 18956 | 50.0 |
| Carbonic acid, ... | 13.751 | 33.9    | ug/l  | 12847    | 4                     | 13.428 | 18956 | 50.0 |
| unknown14.141      | 14.141 | 7.8     | ug/l  | 2971     | 4                     | 13.428 | 18956 | 50.0 |
| unknown14.257      | 14.257 | 24.9    | ug/l  | 9454     | 4                     | 13.428 | 18956 | 50.0 |
| Cyclohexanone, ... | 14.422 | 8.6     | ug/l  | 3244     | 4                     | 13.428 | 18956 | 50.0 |
| 1-Octanol, 2-bu... | 14.611 | 20.3    | ug/l  | 7699     | 4                     | 13.428 | 18956 | 50.0 |
| unknown14.678      | 14.678 | 12.1    | ug/l  | 4603     | 4                     | 13.428 | 18956 | 50.0 |
| unknown14.727      | 14.727 | 14.6    | ug/l  | 5523     | 4                     | 13.428 | 18956 | 50.0 |
| unknown15.220      | 15.220 | 10.4    | ug/l  | 3934     | 4                     | 13.428 | 18956 | 50.0 |