

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062422\  
 Data File : VD073685.D  
 Acq On : 24 Jun 2022 14:01  
 Operator : VA/SY  
 Sample : N3422-03  
 Misc : 4.99G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WC-14A-1A-12

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\_D\Method\82D062322S.M  
 Title : SW846 8260

Signal : TIC: VD073685.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         | 7.908       | 1008          | 1018        | 1022         | rBV      | 197691         | 476869        | 1.67%           | 0.152%        |
| 2         | 7.967       | 1022          | 1028        | 1038         | rVB3     | 452313         | 1161583       | 4.08%           | 0.370%        |
| 3         | 8.179       | 1054          | 1064        | 1072         | rBV      | 199419         | 474939        | 1.67%           | 0.151%        |
| 4         | 8.326       | 1072          | 1089        | 1101         | rVB3     | 183642         | 696254        | 2.44%           | 0.222%        |
| 5         | 8.591       | 1128          | 1134        | 1145         | rVB2     | 150945         | 354991        | 1.25%           | 0.113%        |
| 6         | 8.714       | 1145          | 1155        | 1169         | rBV      | 347862         | 687429        | 2.41%           | 0.219%        |
| 7         | 8.855       | 1169          | 1179        | 1187         | rBV      | 532361         | 1092285       | 3.83%           | 0.348%        |
| 8         | 9.349       | 1249          | 1263        | 1269         | rBV      | 1334771        | 3087712       | 10.83%          | 0.983%        |
| 9         | 9.620       | 1300          | 1309        | 1317         | rVB2     | 178577         | 407702        | 1.43%           | 0.130%        |
| 10        | 9.761       | 1322          | 1333        | 1344         | rVB2     | 230191         | 513435        | 1.80%           | 0.163%        |
| 11        | 9.973       | 1363          | 1369        | 1381         | rVB2     | 872694         | 2100099       | 7.37%           | 0.668%        |
| 12        | 10.108      | 1381          | 1392        | 1404         | rVB3     | 677050         | 1618069       | 5.68%           | 0.515%        |
| 13        | 10.332      | 1422          | 1430        | 1434         | rBV      | 1956695        | 3645492       | 12.79%          | 1.160%        |
| 14        | 10.397      | 1438          | 1441        | 1446         | rVB      | 732032         | 1132857       | 3.98%           | 0.361%        |
| 15        | 10.514      | 1454          | 1461        | 1468         | rVB2     | 2122676        | 3938104       | 13.82%          | 1.253%        |
| 16        | 10.673      | 1483          | 1488        | 1497         | rVB      | 716930         | 1291512       | 4.53%           | 0.411%        |
| 17        | 10.767      | 1497          | 1504        | 1509         | rBV2     | 474905         | 971465        | 3.41%           | 0.309%        |
| 18        | 10.855      | 1515          | 1519        | 1525         | rVB      | 306724         | 510591        | 1.79%           | 0.162%        |
| 19        | 10.944      | 1525          | 1534        | 1540         | rBV      | 943899         | 1619091       | 5.68%           | 0.515%        |
| 20        | 11.049      | 1540          | 1552        | 1559         | rBV2     | 573735         | 1655347       | 5.81%           | 0.527%        |
| 21        | 11.114      | 1559          | 1563        | 1567         | rVV3     | 491405         | 813528        | 2.85%           | 0.259%        |
| 22        | 11.185      | 1567          | 1575        | 1579         | rVV      | 1476325        | 2738072       | 9.61%           | 0.871%        |
| 23        | 11.238      | 1579          | 1584        | 1590         | rVV      | 1807393        | 3196495       | 11.22%          | 1.017%        |
| 24        | 11.291      | 1590          | 1593        | 1597         | rVB2     | 235321         | 301793        | 1.06%           | 0.096%        |
| 25        | 11.344      | 1597          | 1602        | 1607         | rBV2     | 934475         | 1559091       | 5.47%           | 0.496%        |
| 26        | 11.420      | 1607          | 1615        | 1626         | rVB3     | 2002061        | 5614975       | 19.70%          | 1.787%        |
| 27        | 11.520      | 1626          | 1632        | 1645         | rBV      | 1934432        | 3535806       | 12.41%          | 1.125%        |
| 28        | 11.638      | 1645          | 1652        | 1655         | rBV      | 661920         | 1173414       | 4.12%           | 0.373%        |
| 29        | 11.679      | 1655          | 1659        | 1663         | rVB2     | 392803         | 594363        | 2.09%           | 0.189%        |
| 30        | 11.732      | 1663          | 1668        | 1673         | rBV      | 1547284        | 2684501       | 9.42%           | 0.854%        |
| 31        | 11.843      | 1677          | 1687        | 1697         | rVV3     | 11241752       | 24702677      | 86.68%          | 7.861%        |
| 32        | 11.920      | 1697          | 1700        | 1706         | rVB2     | 1258034        | 2101663       | 7.37%           | 0.669%        |
| 33        | 11.979      | 1706          | 1710        | 1715         | rBV2     | 425369         | 842584        | 2.96%           | 0.268%        |
| 34        | 12.067      | 1718          | 1725        | 1730         | rVB3     | 576926         | 1214468       | 4.26%           | 0.386%        |
| 35        | 12.167      | 1730          | 1742        | 1750         | rBV2     | 4364771        | 12537718      | 43.99%          | 3.990%        |
| 36        | 12.261      | 1750          | 1758        | 1762         | rVB      | 2575873        | 4415097       | 15.49%          | 1.405%        |

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 Sample : N3422-03  
 Misc : 4.99G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WC-14A-1A-12

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\_D\Method\82D062322S.M  
 Title : SW846 8260

|    |        |      |      |      |      |          |          |         |        |
|----|--------|------|------|------|------|----------|----------|---------|--------|
| 37 | 12.343 | 1762 | 1772 | 1774 | rBV4 | 2213979  | 4932962  | 17.31%  | 1.570% |
| 38 | 12.385 | 1775 | 1779 | 1788 | rVV4 | 2598432  | 6576627  | 23.08%  | 2.093% |
| 39 | 12.467 | 1788 | 1793 | 1797 | rVV3 | 1222733  | 2677219  | 9.39%   | 0.852% |
| 40 | 12.514 | 1797 | 1801 | 1803 | rVV4 | 1453294  | 2566707  | 9.01%   | 0.817% |
| 41 | 12.549 | 1804 | 1807 | 1809 | rVV  | 2159325  | 3304305  | 11.59%  | 1.052% |
| 42 | 12.573 | 1809 | 1811 | 1815 | rVB  | 2254816  | 2722869  | 9.55%   | 0.866% |
| 43 | 12.620 | 1815 | 1819 | 1822 | rBV3 | 782814   | 1216529  | 4.27%   | 0.387% |
| 44 | 12.655 | 1822 | 1825 | 1830 | rVB  | 1756169  | 2343915  | 8.22%   | 0.746% |
| 45 | 12.708 | 1830 | 1834 | 1838 | rBV5 | 485579   | 796262   | 2.79%   | 0.253% |
| 46 | 12.785 | 1843 | 1847 | 1855 | rVB3 | 2376968  | 5760491  | 20.21%  | 1.833% |
| 47 | 12.867 | 1855 | 1861 | 1865 | rBV  | 5322258  | 10016309 | 35.15%  | 3.187% |
| 48 | 12.902 | 1865 | 1867 | 1868 | rVV2 | 2418624  | 2466005  | 8.65%   | 0.785% |
| 49 | 12.938 | 1868 | 1873 | 1880 | rVV2 | 16169102 | 28498296 | 100.00% | 9.069% |
| 50 | 12.996 | 1880 | 1883 | 1888 | rVB3 | 1535034  | 2330979  | 8.18%   | 0.742% |
| 51 | 13.108 | 1889 | 1902 | 1909 | rBV4 | 2536144  | 9421688  | 33.06%  | 2.998% |
| 52 | 13.173 | 1909 | 1913 | 1919 | rVB2 | 4022171  | 5946649  | 20.87%  | 1.892% |
| 53 | 13.255 | 1919 | 1927 | 1932 | rBV  | 10228716 | 16942733 | 59.45%  | 5.392% |
| 54 | 13.296 | 1932 | 1934 | 1938 | rVB  | 586154   | 697935   | 2.45%   | 0.222% |
| 55 | 13.349 | 1939 | 1943 | 1946 | rBV2 | 738883   | 1195510  | 4.20%   | 0.380% |
| 56 | 13.449 | 1953 | 1960 | 1964 | rBV4 | 3613530  | 6999773  | 24.56%  | 2.227% |
| 57 | 13.496 | 1964 | 1968 | 1971 | rVV2 | 2474728  | 4203258  | 14.75%  | 1.338% |
| 58 | 13.561 | 1975 | 1979 | 1981 | rVV2 | 1676211  | 2614683  | 9.17%   | 0.832% |
| 59 | 13.590 | 1981 | 1984 | 1988 | rVV  | 4026279  | 5448045  | 19.12%  | 1.734% |
| 60 | 13.632 | 1988 | 1991 | 1998 | rVB2 | 1335954  | 1802597  | 6.33%   | 0.574% |
| 61 | 13.714 | 1999 | 2005 | 2008 | rBV4 | 879285   | 2023665  | 7.10%   | 0.644% |
| 62 | 13.755 | 2008 | 2012 | 2015 | rVV2 | 2055890  | 2822525  | 9.90%   | 0.898% |
| 63 | 13.796 | 2015 | 2019 | 2028 | rVB3 | 2323948  | 4296993  | 15.08%  | 1.367% |
| 64 | 13.879 | 2028 | 2033 | 2038 | rBV  | 11764786 | 17172335 | 60.26%  | 5.465% |
| 65 | 13.926 | 2038 | 2041 | 2043 | rBV  | 390977   | 453329   | 1.59%   | 0.144% |
| 66 | 14.020 | 2053 | 2057 | 2058 | rBV  | 983730   | 1255282  | 4.40%   | 0.399% |
| 67 | 14.043 | 2059 | 2061 | 2066 | rVB2 | 1897224  | 2455068  | 8.61%   | 0.781% |
| 68 | 14.102 | 2066 | 2071 | 2075 | rVB  | 1907715  | 2811677  | 9.87%   | 0.895% |
| 69 | 14.137 | 2075 | 2077 | 2083 | rVB3 | 778478   | 1120402  | 3.93%   | 0.357% |
| 70 | 14.208 | 2083 | 2089 | 2094 | rVB3 | 2318394  | 3896570  | 13.67%  | 1.240% |
| 71 | 14.273 | 2095 | 2100 | 2106 | rVB6 | 748049   | 1654553  | 5.81%   | 0.527% |
| 72 | 14.349 | 2106 | 2113 | 2116 | rBV4 | 1371791  | 3089597  | 10.84%  | 0.983% |
| 73 | 14.390 | 2116 | 2120 | 2124 | rBV3 | 1369714  | 2015260  | 7.07%   | 0.641% |
| 74 | 14.508 | 2136 | 2140 | 2143 | rBV  | 1318066  | 1681726  | 5.90%   | 0.535% |
| 75 | 14.549 | 2143 | 2147 | 2154 | rVB4 | 1324310  | 2154464  | 7.56%   | 0.686% |
| 76 | 14.608 | 2154 | 2157 | 2160 | rBV4 | 282249   | 343668   | 1.21%   | 0.109% |

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WC-14A-1A-12

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\_D\Method\82D062322S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 77 | 14.732 | 2174 | 2178 | 2184 | rVB2 | 4839678 | 7101089 | 24.92% | 2.260% |
| 78 | 14.802 | 2184 | 2190 | 2195 | rBV3 | 2571072 | 5694227 | 19.98% | 1.812% |
| 79 | 14.849 | 2195 | 2198 | 2206 | rVB2 | 1693272 | 3252076 | 11.41% | 1.035% |
| 80 | 14.973 | 2215 | 2219 | 2224 | rBV4 | 367142  | 713849  | 2.50%  | 0.227% |
| 81 | 15.073 | 2232 | 2236 | 2241 | rBV4 | 683425  | 1054299 | 3.70%  | 0.336% |
| 82 | 15.184 | 2250 | 2255 | 2261 | rBV2 | 728866  | 1609208 | 5.65%  | 0.512% |
| 83 | 15.343 | 2277 | 2282 | 2285 | rBV3 | 1144322 | 2145311 | 7.53%  | 0.683% |
| 84 | 15.379 | 2285 | 2288 | 2300 | rVB  | 1595196 | 2731774 | 9.59%  | 0.869% |
| 85 | 15.484 | 2303 | 2306 | 2311 | rVV3 | 342752  | 540302  | 1.90%  | 0.172% |
| 86 | 15.573 | 2317 | 2321 | 2331 | rVB  | 1785135 | 3308045 | 11.61% | 1.053% |
| 87 | 15.679 | 2332 | 2339 | 2346 | rVV7 | 433266  | 1197086 | 4.20%  | 0.381% |
| 88 | 15.755 | 2348 | 2352 | 2358 | rVB5 | 564894  | 1081589 | 3.80%  | 0.344% |
| 89 | 16.320 | 2445 | 2448 | 2456 | rVB4 | 249938  | 422111  | 1.48%  | 0.134% |
| 90 | 16.473 | 2467 | 2474 | 2480 | rBV  | 1580534 | 3487940 | 12.24% | 1.110% |
| 91 | 16.531 | 2481 | 2484 | 2490 | rVB2 | 413831  | 669228  | 2.35%  | 0.213% |
| 92 | 16.673 | 2501 | 2508 | 2521 | rVB  | 1119818 | 3044837 | 10.68% | 0.969% |

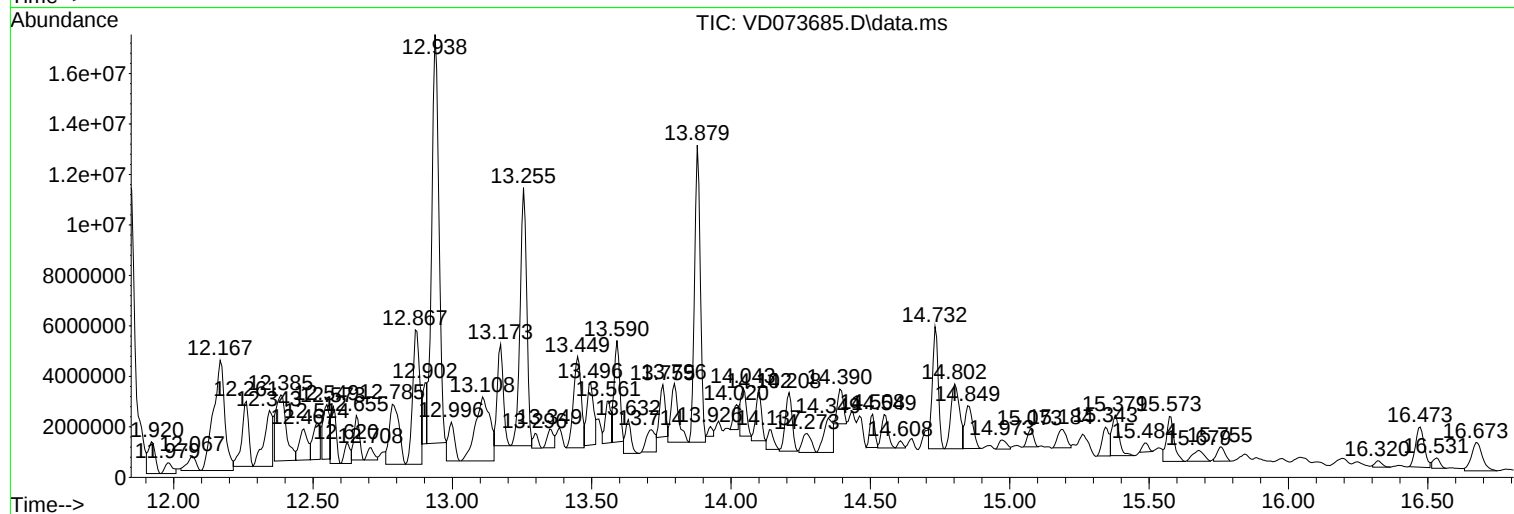
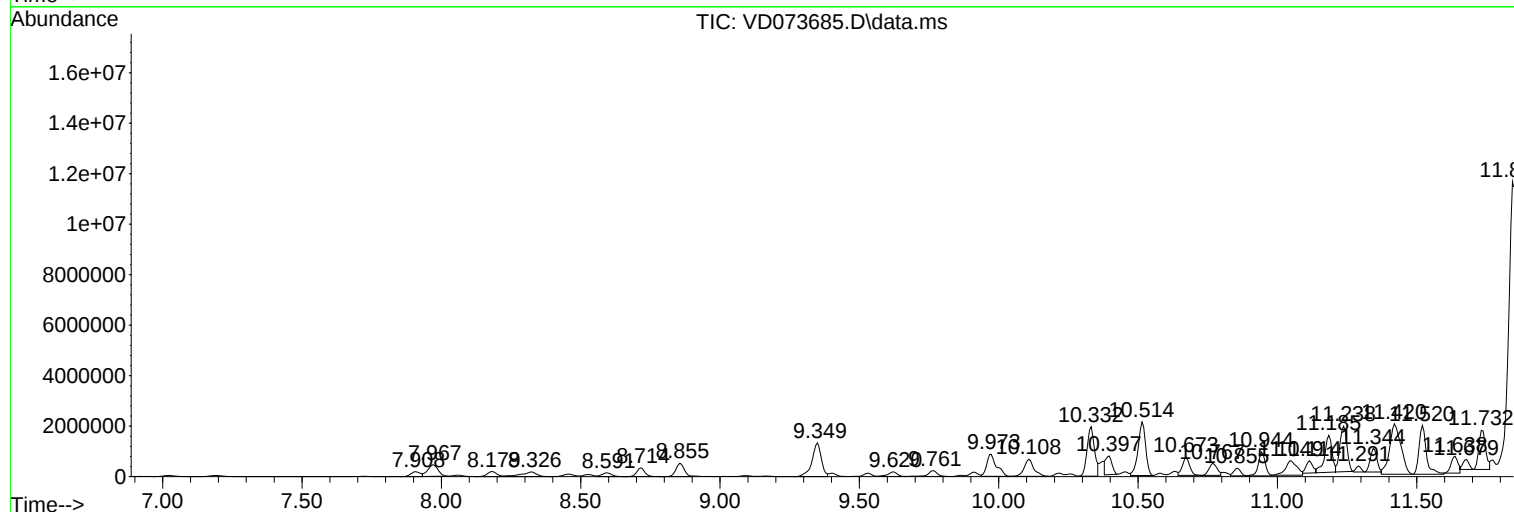
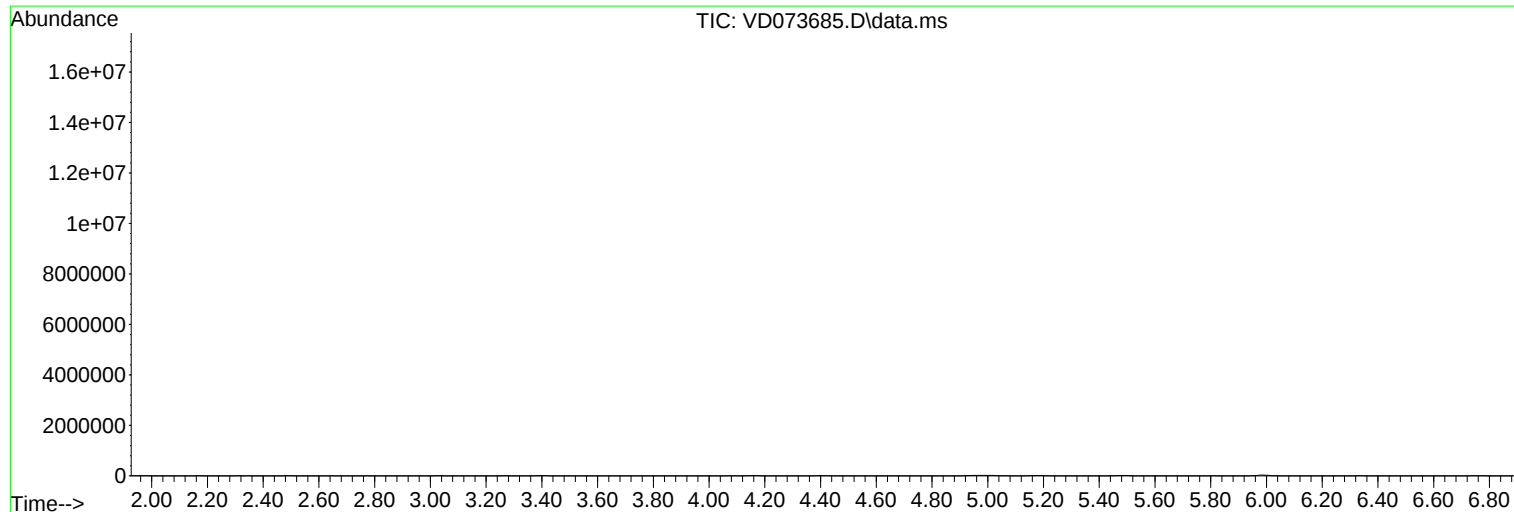
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062422\  
Data File : VD073685.D  
Acq On : 24 Jun 2022 14:01  
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Sample : N3422-03  
Misc : 4.99G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-14A-1A-12

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062322S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062422\  
Data File : VD073685.D  
Acq On : 24 Jun 2022 14:01  
Operator : VA/SY  
Sample : N3422-03  
Misc : 4.99G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-14A-1A-12

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062322S.M  
Quant Title : SW846 8260

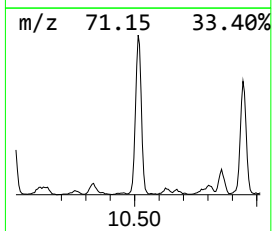
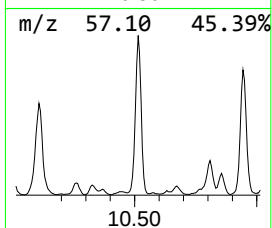
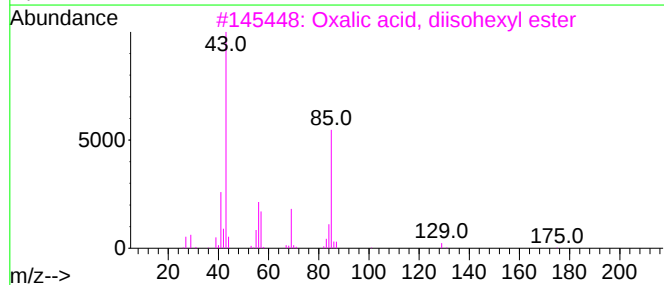
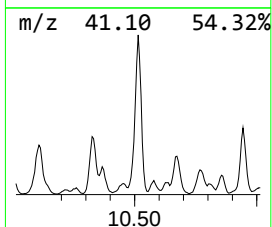
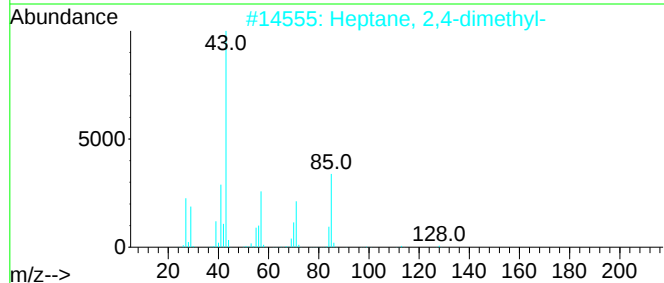
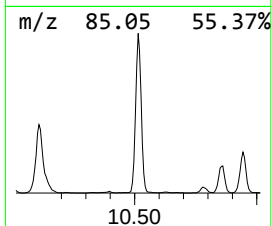
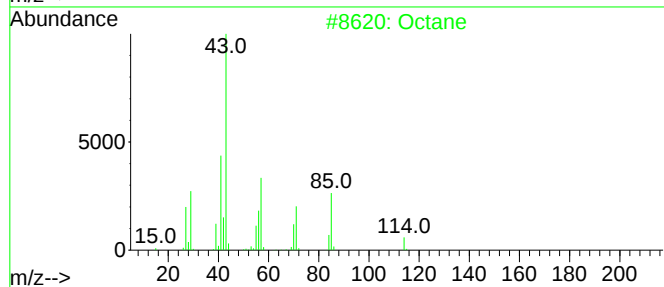
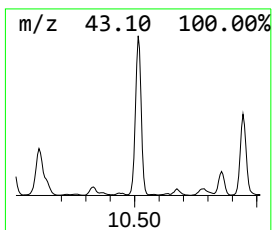
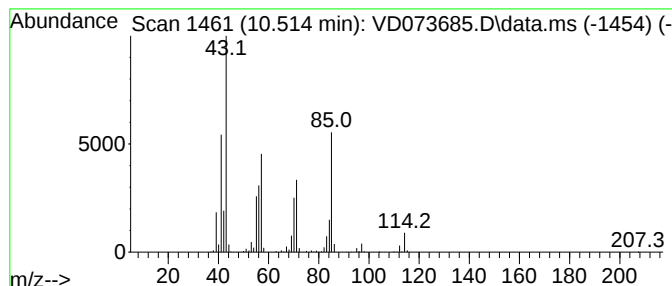
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Octane Concentration Rank 7

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 10.514 | 167.81 ug/l | 3938100 | Chlorobenzene-d5 | 11.638 |

| Hit# | of                            | 5 | Tentative ID | MW  | MolForm  | CAS#         | Qual |
|------|-------------------------------|---|--------------|-----|----------|--------------|------|
| 1    | Octane                        |   |              | 114 | C8H18    | 000111-65-9  | 91   |
| 2    | Heptane, 2,4-dimethyl-        |   |              | 128 | C9H20    | 002213-23-2  | 72   |
| 3    | Oxalic acid, diisohexyl ester |   |              | 258 | C14H26O4 | 1010309-32-9 | 47   |
| 4    | Pentane, 3-ethyl-2-methyl-    |   |              | 114 | C8H18    | 000609-26-7  | 47   |
| 5    | Hexane, 2,3,4-trimethyl-      |   |              | 128 | C9H20    | 000921-47-1  | 47   |



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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-14A-1A-12

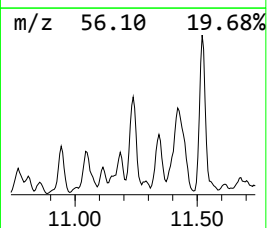
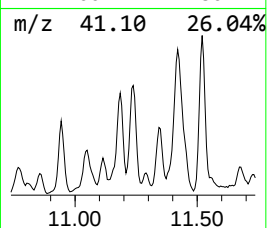
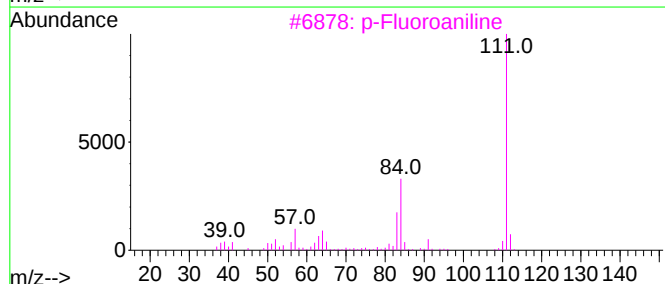
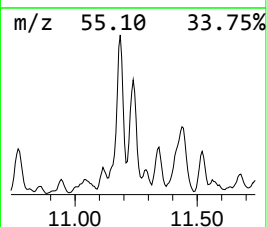
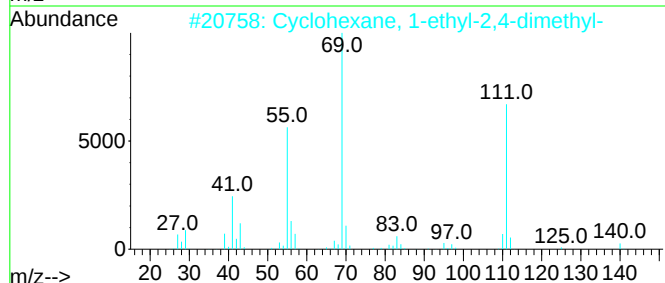
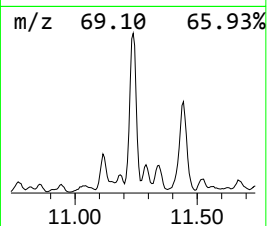
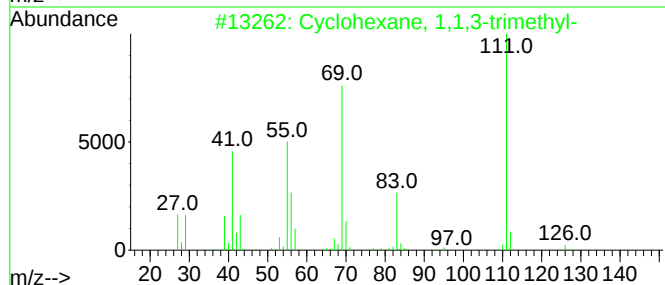
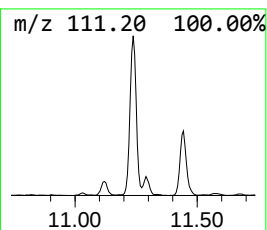
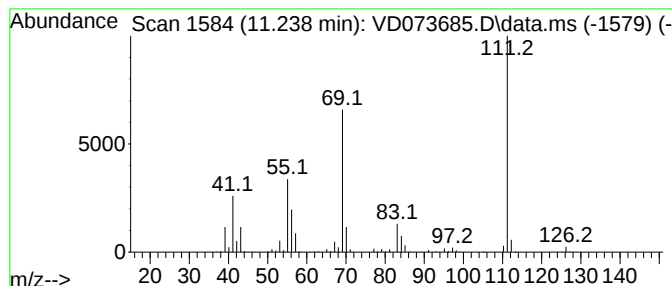
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062322S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 10

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 11.238 | 136.21 ug/l | 3196500 | Chlorobenzene-d5 | 11.638 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Cyclohexane, 1,1,3-trimethyl-       | 126 | C9H18     | 003073-66-3  | 80   |
| 2    |    |   | Cyclohexane, 1-ethyl-2,4-dimethyl-  | 140 | C10H20    | 061142-69-6  | 72   |
| 3    |    |   | p-Fluoroaniline                     | 111 | C6H6FN    | 000371-40-4  | 52   |
| 4    |    |   | 1-Aminocyclopropanecarboxylic ac... | 156 | C7H12N2O2 | 1000375-50-8 | 50   |
| 5    |    |   | 2-Aminopyrimidine-1-oxide           | 111 | C4H5N3O   | 035034-15-2  | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062422\  
Data File : VD073685.D  
Acq On : 24 Jun 2022 14:01  
Operator : VA/SY  
Sample : N3422-03  
Misc : 4.99G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-14A-1A-12

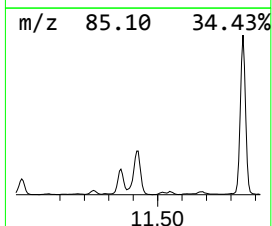
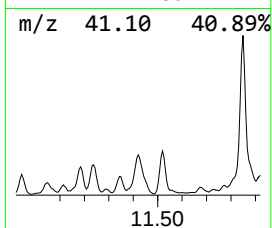
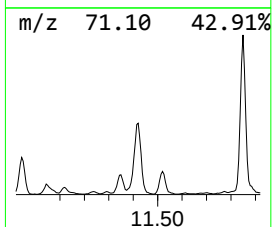
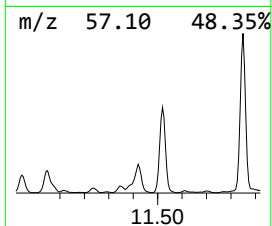
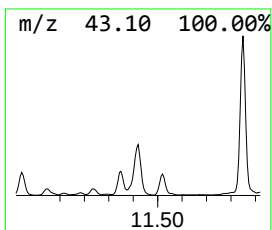
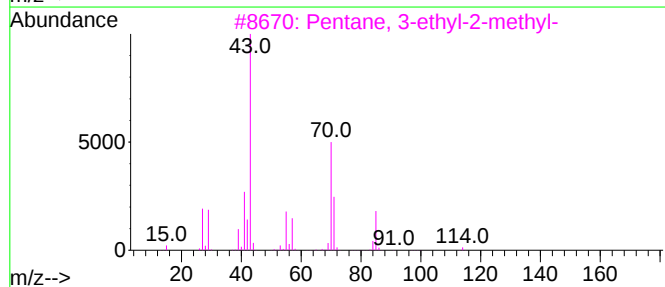
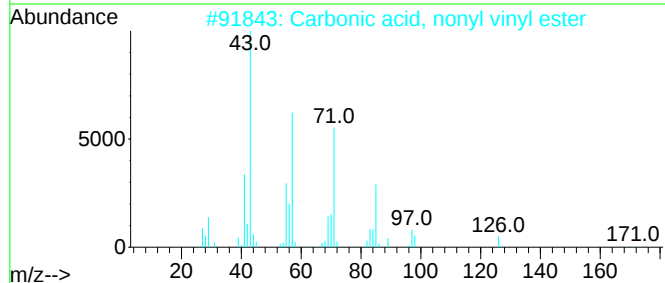
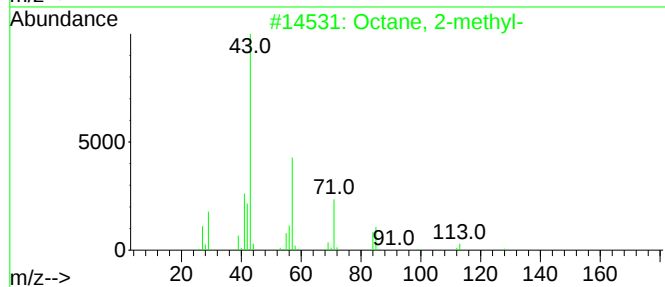
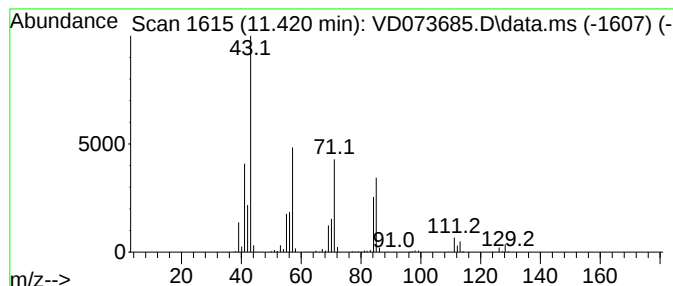
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Quant Title : SW846 8260

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

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Peak Number 3 Octane, 2-methyl- Concentration Rank 2

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 11.420 | 239.26 ug/l | 5614980 | Chlorobenzene-d5 | 11.638 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Octane, 2-methyl-                   | 128 | C9H20     | 003221-61-2  | 64   |
| 2    |    |   | Carbonic acid, nonyl vinyl ester    | 214 | C12H22O3  | 1000383-25-6 | 53   |
| 3    |    |   | Pentane, 3-ethyl-2-methyl-          | 114 | C8H18     | 000609-26-7  | 52   |
| 4    |    |   | Sulfurous acid, nonyl 2-propyl e... | 250 | C12H26O3S | 1000309-12-0 | 50   |
| 5    |    |   | Heptane, 2,4-dimethyl-              | 128 | C9H20     | 002213-23-2  | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062422\  
Data File : VD073685.D  
Acq On : 24 Jun 2022 14:01  
Operator : VA/SY  
Sample : N3422-03  
Misc : 4.99G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-14A-1A-12

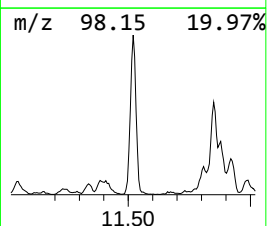
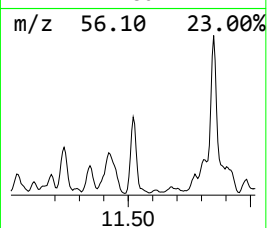
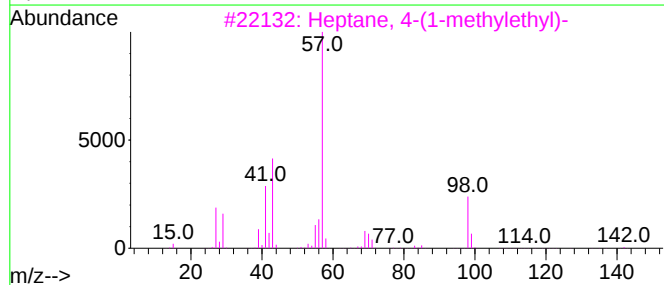
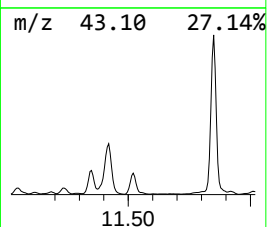
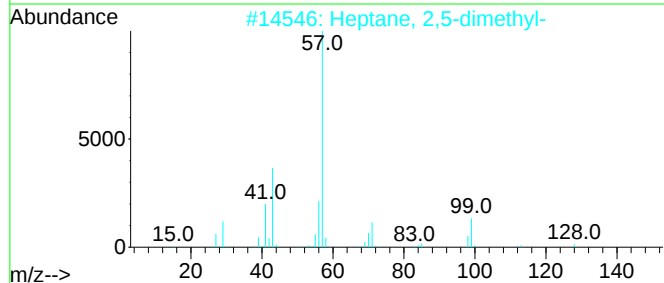
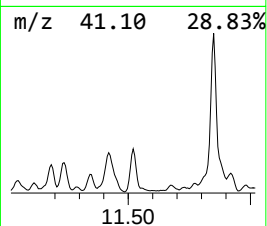
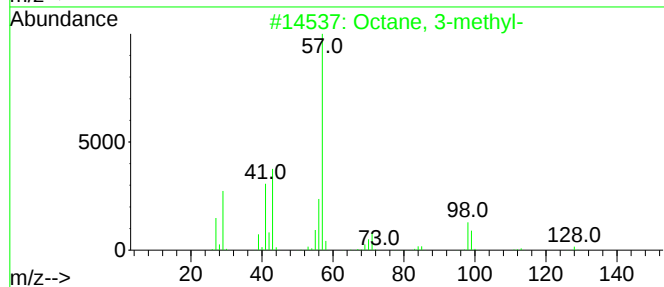
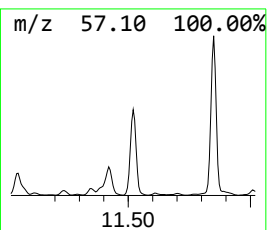
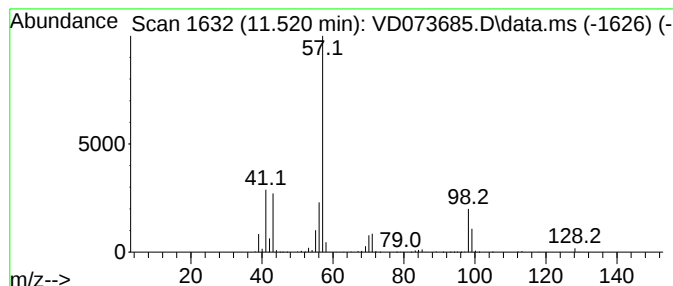
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Quant Title : SW846 8260

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

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Peak Number 4 Octane, 3-methyl- Concentration Rank 8

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 11.520 | 150.66 ug/l | 3535810 | Chlorobenzene-d5 | 11.638 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Octane, 3-methyl-            | 128 | C9H20   | 002216-33-3 | 91   |
| 2    |    |   | Heptane, 2,5-dimethyl-       | 128 | C9H20   | 002216-30-0 | 81   |
| 3    |    |   | Heptane, 4-(1-methylethyl)-  | 142 | C10H22  | 052896-87-4 | 64   |
| 4    |    |   | Undecane, 6-methyl-          | 170 | C12H26  | 017302-33-9 | 64   |
| 5    |    |   | Butane, 2,2,3,3-tetramethyl- | 114 | C8H18   | 000594-82-1 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062422\  
Data File : VD073685.D  
Acq On : 24 Jun 2022 14:01  
Operator : VA/SY  
Sample : N3422-03  
Misc : 4.99G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062322S.M  
Quant Title : SW846 8260

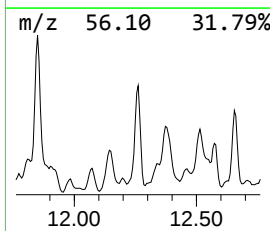
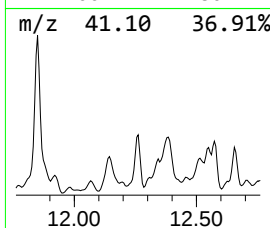
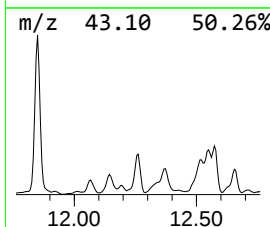
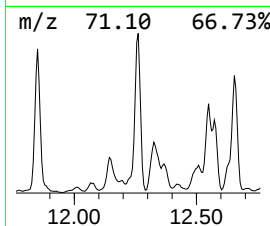
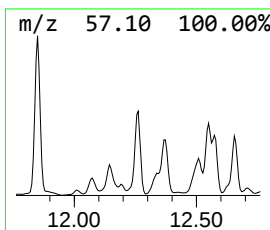
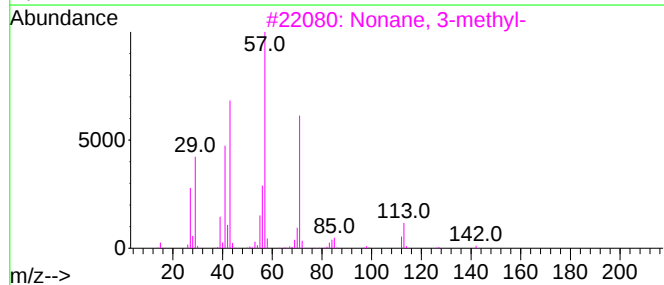
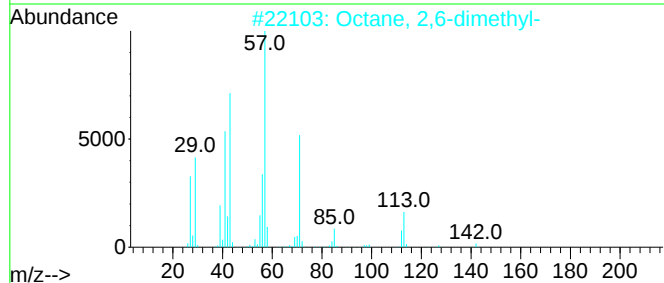
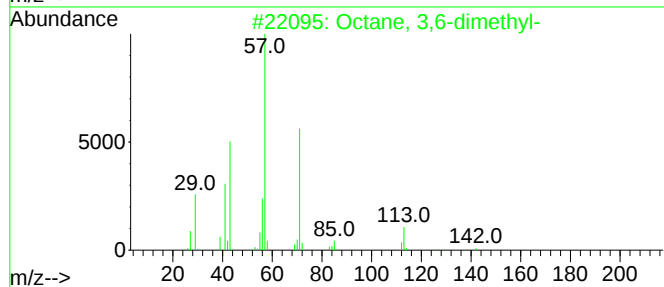
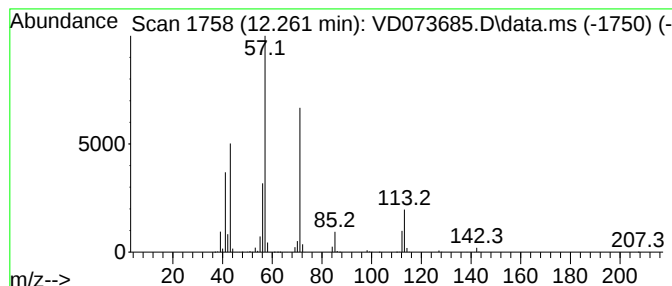
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Octane, 3,6-dimethyl- Concentration Rank 5

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 12.261 | 188.13 ug/l | 4415100 | Chlorobenzene-d5 | 11.638 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Octane, 3,6-dimethyl-               | 142 | C10H22    | 015869-94-0  | 91   |
| 2    |    |   | Octane, 2,6-dimethyl-               | 142 | C10H22    | 002051-30-1  | 91   |
| 3    |    |   | Nonane, 3-methyl-                   | 142 | C10H22    | 005911-04-6  | 91   |
| 4    |    |   | Butane, 2,2-dimethyl-               | 86  | C6H14     | 000075-83-2  | 50   |
| 5    |    |   | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062422\  
Data File : VD073685.D  
Acq On : 24 Jun 2022 14:01  
Operator : VA/SY  
Sample : N3422-03  
Misc : 4.99G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-14A-1A-12

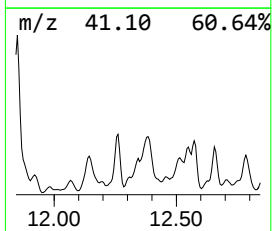
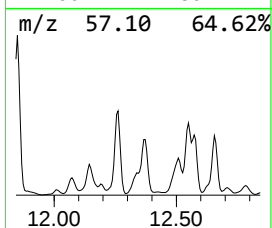
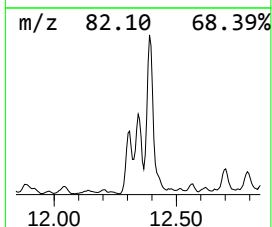
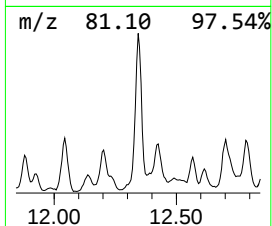
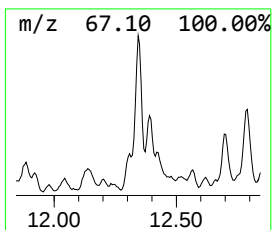
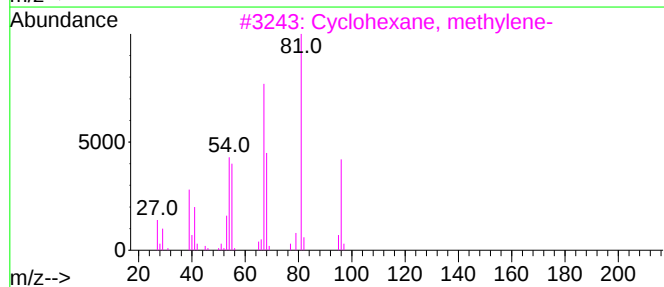
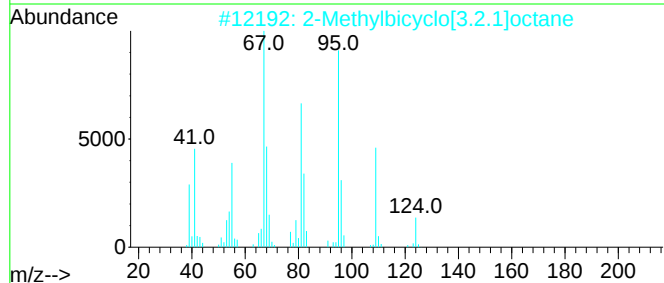
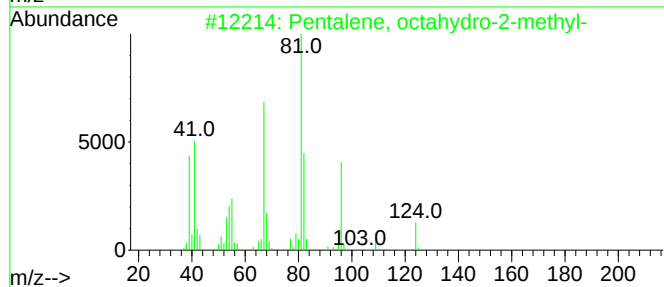
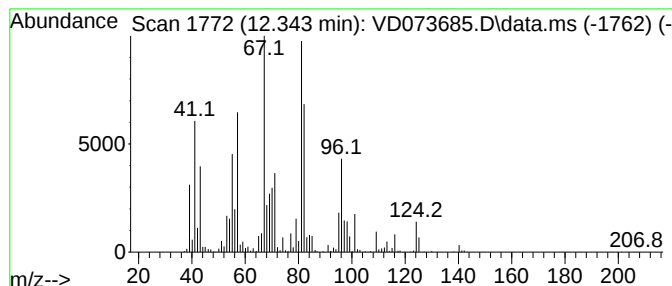
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Quant Title : SW846 8260

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

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Peak Number 6 Pentalene, octahydro-2-methyl- Concentration Rank 3

| R.T.      | EstConc                        | Area    | Relative to ISTD | R.T.         |      |
|-----------|--------------------------------|---------|------------------|--------------|------|
| 12.344    | 210.20 ug/l                    | 4932960 | Chlorobenzene-d5 | 11.638       |      |
| Hit# of 5 | Tentative ID                   | MW      | MolForm          | CAS#         | Qual |
| 1         | Pentalene, octahydro-2-methyl- | 124     | C9H16            | 003868-64-2  | 90   |
| 2         | 2-Methylbicyclo[3.2.1]octane   | 124     | C9H16            | 1010215-28-0 | 64   |
| 3         | Cyclohexane, methylene-        | 96      | C7H12            | 001192-37-6  | 58   |
| 4         | 1H-Indene, octahydro-, trans-  | 124     | C9H16            | 003296-50-2  | 52   |
| 5         | 1-Methylcyclooctene            | 124     | C9H16            | 000933-11-9  | 46   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062422\  
Data File : VD073685.D  
Acq On : 24 Jun 2022 14:01  
Operator : VA/SY  
Sample : N3422-03  
Misc : 4.99G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

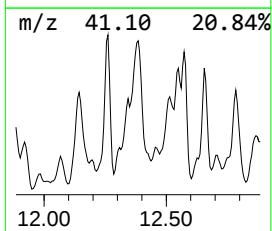
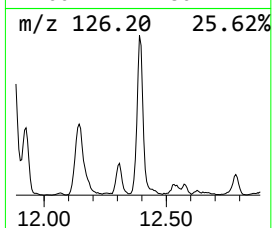
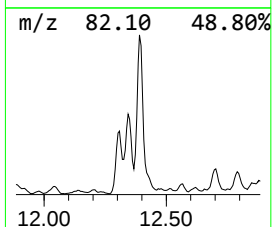
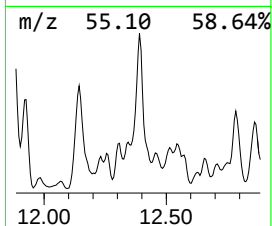
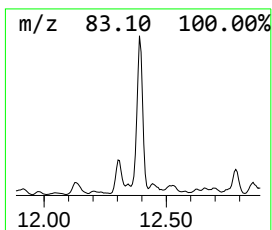
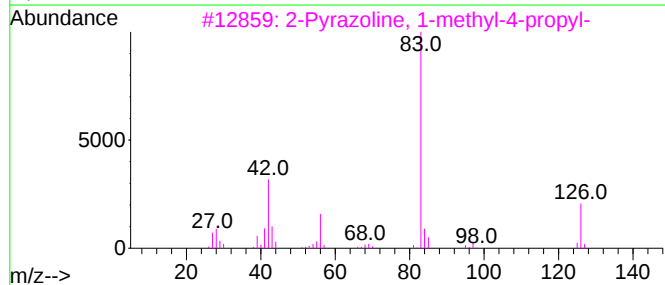
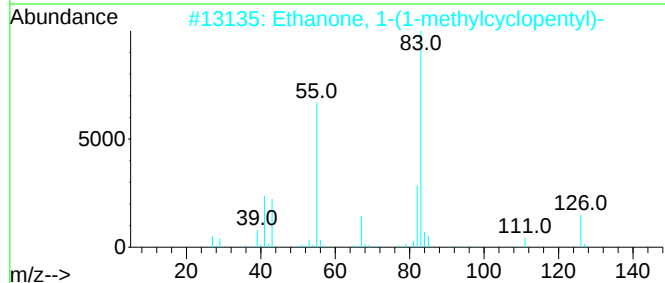
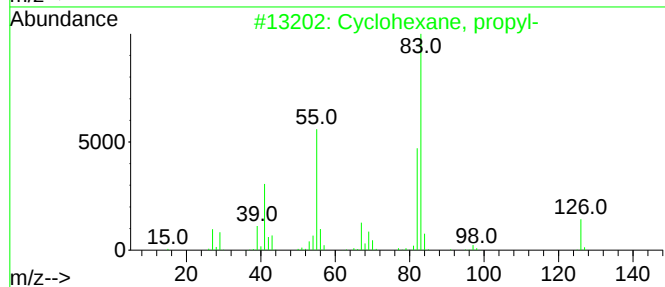
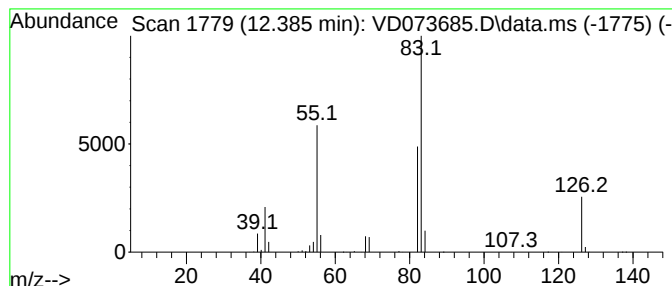
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ClientSampleId :  
WC-14A-1A-12

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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 Cyclohexane, propyl- Concentration Rank 1

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|---------|------------------|--------------|------|
| 12.385    | 280.24 ug/l                         | 6576630 | Chlorobenzene-d5 | 11.638       |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#         | Qual |
| 1         | Cyclohexane, propyl-                | 126     | C9H18            | 001678-92-8  | 91   |
| 2         | Ethanone, 1-(1-methylcyclopentyl)-  | 126     | C8H14O           | 013388-93-7  | 64   |
| 3         | 2-Pyrazoline, 1-methyl-4-propyl-    | 126     | C7H14N2          | 033063-77-3  | 50   |
| 4         | Oxalic acid, cyclohexyl isohexyl... | 256     | C14H24O4         | 1010309-30-7 | 50   |
| 5         | Oxalic acid, cyclohexyl nonyl ester | 298     | C17H30O4         | 1000309-31-1 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062422\  
Data File : VD073685.D  
Acq On : 24 Jun 2022 14:01  
Operator : VA/SY  
Sample : N3422-03  
Misc : 4.99G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
WC-14A-1A-12

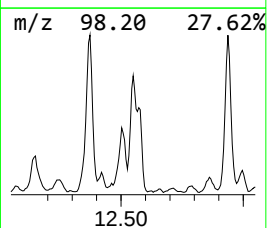
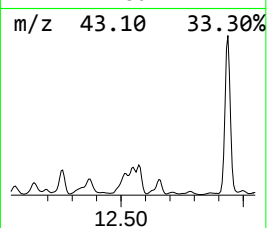
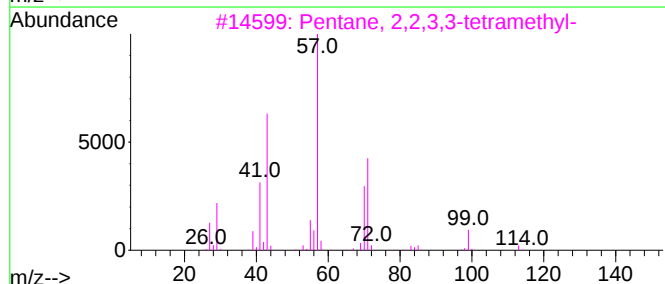
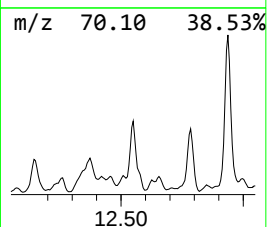
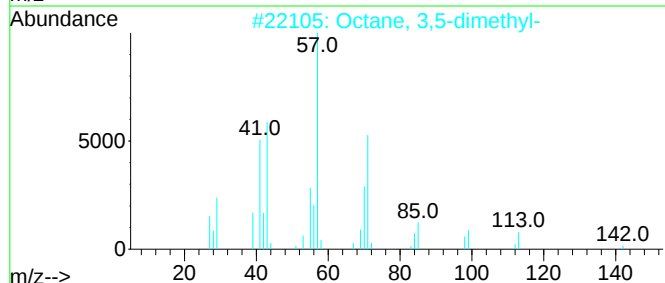
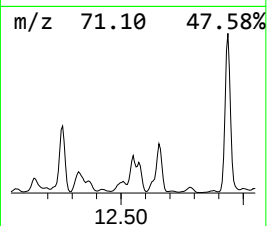
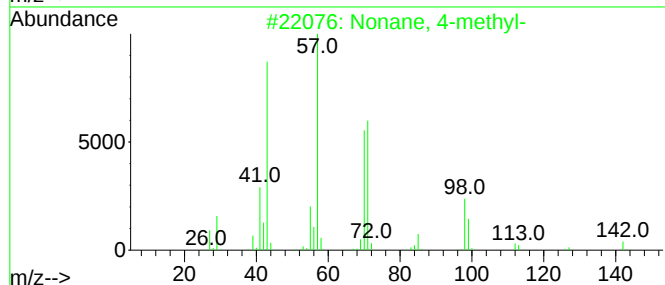
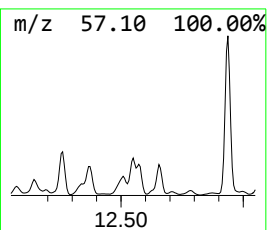
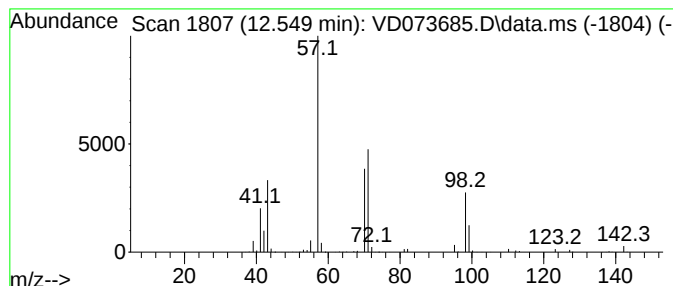
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Quant Title : SW846 8260

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

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Peak Number 8 Nonane, 4-methyl- Concentration Rank 9

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 12.549 | 140.80 ug/l | 3304310 | Chlorobenzene-d5 | 11.638 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Nonane, 4-methyl-             | 142 | C10H22  | 017301-94-9 | 86   |
| 2    |    |   | Octane, 3,5-dimethyl-         | 142 | C10H22  | 015869-93-9 | 59   |
| 3    |    |   | Pentane, 2,2,3,3-tetramethyl- | 128 | C9H20   | 007154-79-2 | 59   |
| 4    |    |   | Octane, 2,5-dimethyl-         | 142 | C10H22  | 015869-89-3 | 53   |
| 5    |    |   | Heptane, 2,3,4-trimethyl-     | 142 | C10H22  | 052896-95-4 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062422\  
Data File : VD073685.D  
Acq On : 24 Jun 2022 14:01  
Operator : VA/SY  
Sample : N3422-03  
Misc : 4.99G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-14A-1A-12

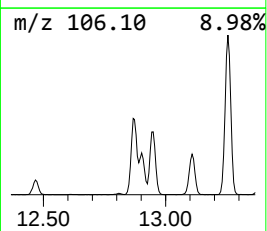
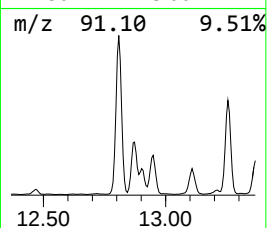
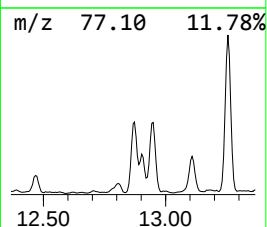
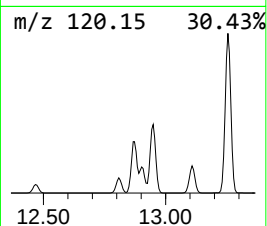
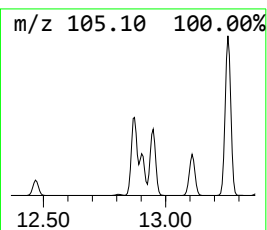
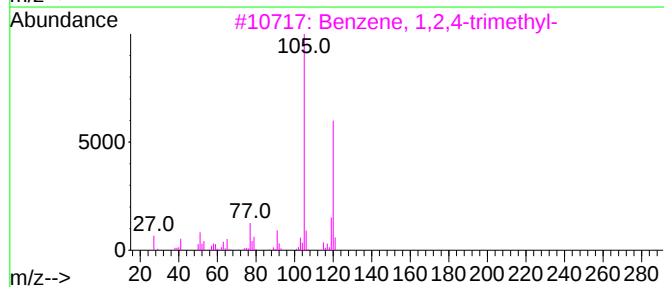
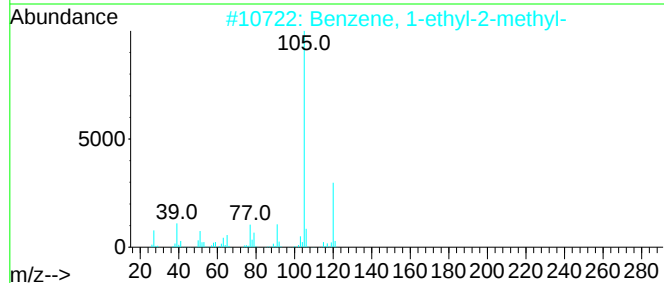
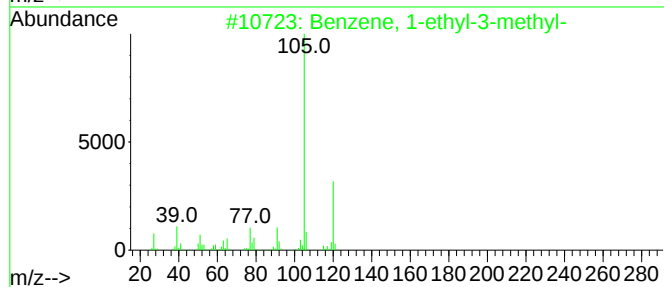
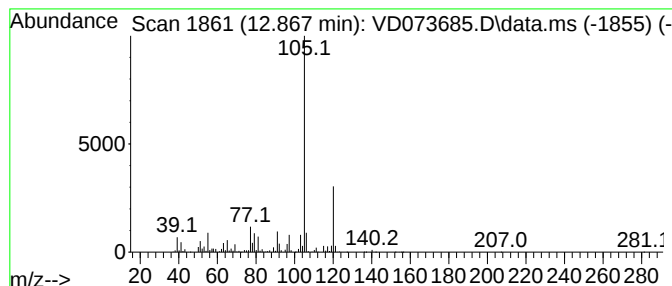
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Quant Title : SW846 8260

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

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Peak Number 9 Benzene, 1-ethyl-3-methyl- Concentration Rank 4

| R.T.   | EstConc     | Area     | Relative to ISTD       | R.T.   |
|--------|-------------|----------|------------------------|--------|
| 12.867 | 191.54 ug/l | 10016300 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 94   |
| 2    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 94   |
| 3    |    |   | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 87   |
| 4    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 87   |
| 5    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 81   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062422\  
Data File : VD073685.D  
Acq On : 24 Jun 2022 14:01  
Operator : VA/SY  
Sample : N3422-03  
Misc : 4.99G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-14A-1A-12

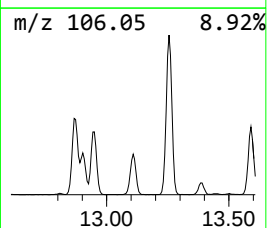
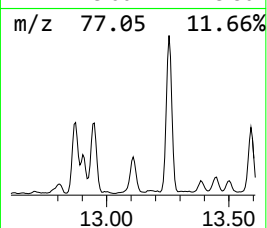
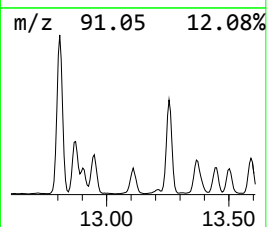
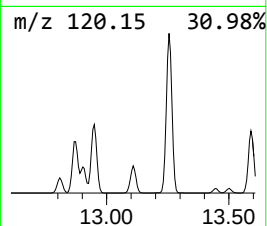
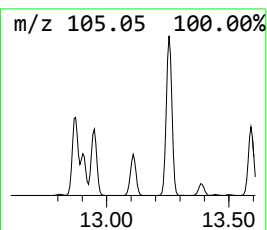
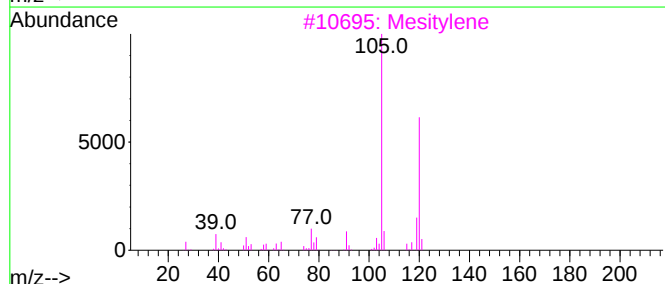
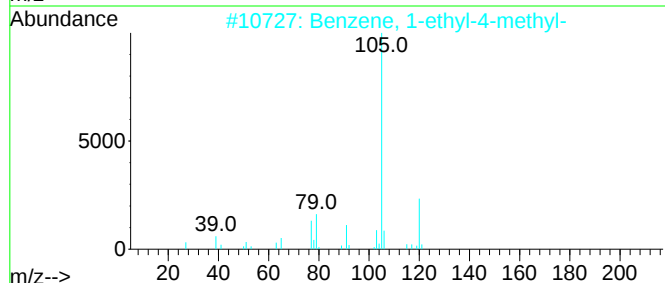
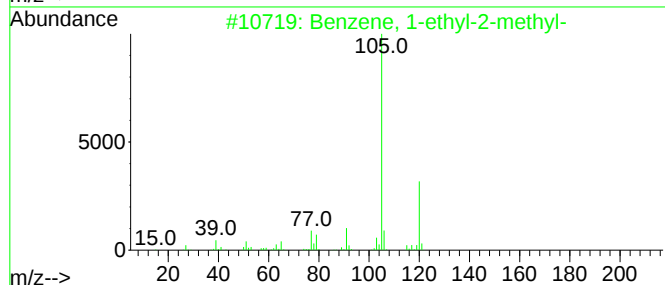
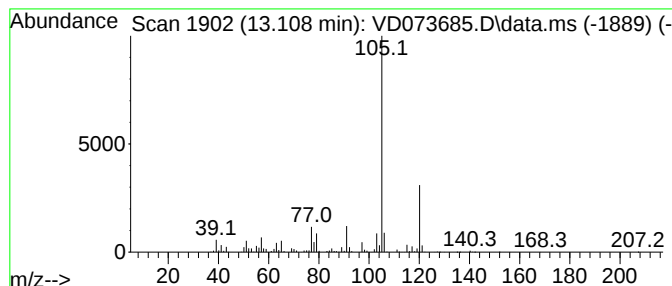
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062322S.M  
Quant Title : SW846 8260

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

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Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 13.108 | 180.17 ug/l | 9421690 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 93   |
| 2    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 93   |
| 3    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 90   |
| 4    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 90   |
| 5    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062422\  
Data File : VD073685.D  
Acq On : 24 Jun 2022 14:01  
Operator : VA/SY  
Sample : N3422-03  
Misc : 4.99G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-14A-1A-12

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062322S.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             | 10.514 | 167.8   | ug/l  | 3938100  | 3                     | 11.638 | 1173410 | 50.0 |
| Cyclohexane, 1,... | 11.238 | 136.2   | ug/l  | 3196500  | 3                     | 11.638 | 1173410 | 50.0 |
| Octane, 2-methyl-  | 11.420 | 239.3   | ug/l  | 5614980  | 3                     | 11.638 | 1173410 | 50.0 |
| Octane, 3-methyl-  | 11.520 | 150.7   | ug/l  | 3535810  | 3                     | 11.638 | 1173410 | 50.0 |
| Octane, 3,6-dim... | 12.261 | 188.1   | ug/l  | 4415100  | 3                     | 11.638 | 1173410 | 50.0 |
| Pentalene, octa... | 12.344 | 210.2   | ug/l  | 4932960  | 3                     | 11.638 | 1173410 | 50.0 |
| Cyclohexane, pr... | 12.385 | 280.2   | ug/l  | 6576630  | 3                     | 11.638 | 1173410 | 50.0 |
| Nonane, 4-methyl-  | 12.549 | 140.8   | ug/l  | 3304310  | 3                     | 11.638 | 1173410 | 50.0 |
| Benzene, 1-ethy... | 12.867 | 191.5   | ug/l  | 10016300 | 4                     | 13.561 | 2614680 | 50.0 |
| Benzene, 1-ethy... | 13.108 | 180.2   | ug/l  | 9421690  | 4                     | 13.561 | 2614680 | 50.0 |