

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041922\  
 Data File : VY008393.D  
 Acq On : 19 Apr 2022 14:10  
 Operator : KP/MD  
 Sample : N2431-03  
 Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-15-1-1-GR

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\82Y040822S.M  
 Title : SW846 8260

Signal : TIC: VY008393.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         | 2.906       | 169           | 178         | 193          | rBV      | 102125         | 230031        | 3.75%           | 0.280%        |
| 2         | 3.253       | 227           | 235         | 251          | rBV      | 53799          | 123676        | 2.02%           | 0.151%        |
| 3         | 4.771       | 461           | 484         | 511          | rVB3     | 82065          | 391275        | 6.38%           | 0.477%        |
| 4         | 5.241       | 547           | 561         | 579          | rBV2     | 50923          | 183305        | 2.99%           | 0.223%        |
| 5         | 5.753       | 632           | 645         | 663          | rVB      | 67041          | 204373        | 3.33%           | 0.249%        |
| 6         | 6.795       | 806           | 816         | 834          | rVB      | 111526         | 347472        | 5.67%           | 0.424%        |
| 7         | 7.783       | 959           | 978         | 986          | rBV6     | 234523         | 753027        | 12.28%          | 0.918%        |
| 8         | 7.874       | 986           | 993         | 1004         | rVB      | 55557          | 140882        | 2.30%           | 0.172%        |
| 9         | 8.002       | 1004          | 1014        | 1020         | rBV      | 158498         | 378607        | 6.17%           | 0.462%        |
| 10        | 8.277       | 1049          | 1059        | 1065         | rBV3     | 85446          | 213447        | 3.48%           | 0.260%        |
| 11        | 8.350       | 1065          | 1071        | 1076         | rVV3     | 68584          | 166347        | 2.71%           | 0.203%        |
| 12        | 8.417       | 1076          | 1082        | 1092         | rVB      | 116496         | 268640        | 4.38%           | 0.327%        |
| 13        | 8.551       | 1095          | 1104        | 1112         | rBV      | 83970          | 172157        | 2.81%           | 0.210%        |
| 14        | 8.691       | 1120          | 1127        | 1138         | rBV      | 53222          | 126740        | 2.07%           | 0.154%        |
| 15        | 9.185       | 1196          | 1208        | 1215         | rBV      | 811997         | 1778387       | 29.00%          | 2.168%        |
| 16        | 9.240       | 1215          | 1217        | 1224         | rVB      | 61999          | 107605        | 1.75%           | 0.131%        |
| 17        | 9.374       | 1233          | 1239        | 1245         | rVV      | 71900          | 136548        | 2.23%           | 0.166%        |
| 18        | 9.465       | 1245          | 1254        | 1263         | rVB2     | 92974          | 216729        | 3.53%           | 0.264%        |
| 19        | 9.612       | 1272          | 1278        | 1286         | rVB2     | 120106         | 244793        | 3.99%           | 0.298%        |
| 20        | 9.758       | 1297          | 1302        | 1307         | rBV2     | 56382          | 101136        | 1.65%           | 0.123%        |
| 21        | 9.825       | 1307          | 1313        | 1316         | rBV      | 184903         | 345916        | 5.64%           | 0.422%        |
| 22        | 9.959       | 1325          | 1335        | 1347         | rVB2     | 187976         | 492893        | 8.04%           | 0.601%        |
| 23        | 10.179      | 1364          | 1371        | 1375         | rBV2     | 456530         | 828051        | 13.50%          | 1.009%        |
| 24        | 10.215      | 1375          | 1377        | 1380         | rVB      | 46320          | 72894         | 1.19%           | 0.089%        |
| 25        | 10.368      | 1394          | 1402        | 1409         | rVB3     | 205362         | 545704        | 8.90%           | 0.665%        |
| 26        | 10.484      | 1409          | 1421        | 1423         | rBV2     | 59778          | 125402        | 2.04%           | 0.153%        |
| 27        | 10.526      | 1423          | 1428        | 1436         | rVB      | 245781         | 446215        | 7.28%           | 0.544%        |
| 28        | 10.618      | 1436          | 1443        | 1448         | rBV3     | 135041         | 291618        | 4.75%           | 0.355%        |
| 29        | 10.715      | 1455          | 1459        | 1464         | rVB      | 126184         | 191148        | 3.12%           | 0.233%        |
| 30        | 10.807      | 1468          | 1474        | 1479         | rVB      | 290934         | 460947        | 7.52%           | 0.562%        |
| 31        | 10.904      | 1479          | 1490        | 1497         | rBV      | 198661         | 479500        | 7.82%           | 0.585%        |
| 32        | 10.971      | 1497          | 1501        | 1505         | rBV2     | 140225         | 221633        | 3.61%           | 0.270%        |
| 33        | 11.038      | 1505          | 1512        | 1516         | rVV      | 459389         | 710493        | 11.58%          | 0.866%        |
| 34        | 11.093      | 1516          | 1521        | 1527         | rVB      | 1092647        | 1771138       | 28.88%          | 2.159%        |
| 35        | 11.148      | 1527          | 1530        | 1534         | rVB      | 105514         | 129980        | 2.12%           | 0.158%        |
| 36        | 11.209      | 1534          | 1540        | 1544         | rBV3     | 464971         | 807184        | 13.16%          | 0.984%        |

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Integrator: RTE

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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\82Y040822S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 11.288 | 1544 | 1553 | 1563 | rVB4 | 736302  | 2049550 | 33.42%  | 2.498% |
| 38 | 11.386 | 1563 | 1569 | 1573 | rBV  | 705870  | 1171307 | 19.10%  | 1.428% |
| 39 | 11.483 | 1581 | 1585 | 1589 | rBV2 | 48724   | 77712   | 1.27%   | 0.095% |
| 40 | 11.532 | 1589 | 1593 | 1597 | rVB  | 74650   | 98999   | 1.61%   | 0.121% |
| 41 | 11.593 | 1597 | 1603 | 1606 | rBV2 | 329061  | 574196  | 9.36%   | 0.700% |
| 42 | 11.630 | 1606 | 1609 | 1612 | rVB  | 198490  | 232823  | 3.80%   | 0.284% |
| 43 | 11.697 | 1612 | 1620 | 1624 | rBV5 | 972990  | 2742445 | 44.71%  | 3.343% |
| 44 | 11.739 | 1624 | 1627 | 1631 | rVB  | 630329  | 816331  | 13.31%  | 0.995% |
| 45 | 11.782 | 1631 | 1634 | 1639 | rVB  | 789901  | 1255360 | 20.47%  | 1.530% |
| 46 | 11.843 | 1639 | 1644 | 1648 | rBV2 | 253240  | 491835  | 8.02%   | 0.600% |
| 47 | 11.898 | 1650 | 1653 | 1655 | rBV2 | 66658   | 85269   | 1.39%   | 0.104% |
| 48 | 11.935 | 1655 | 1659 | 1663 | rVB2 | 382764  | 586894  | 9.57%   | 0.715% |
| 49 | 12.014 | 1663 | 1672 | 1674 | rBV3 | 1497357 | 3495099 | 56.99%  | 4.261% |
| 50 | 12.093 | 1682 | 1685 | 1687 | rBV  | 195833  | 229479  | 3.74%   | 0.280% |
| 51 | 12.130 | 1687 | 1691 | 1694 | rVB  | 1229623 | 1623244 | 26.47%  | 1.979% |
| 52 | 12.166 | 1694 | 1697 | 1699 | rBV2 | 278445  | 365099  | 5.95%   | 0.445% |
| 53 | 12.209 | 1699 | 1704 | 1706 | rVV2 | 1202105 | 1947231 | 31.75%  | 2.374% |
| 54 | 12.245 | 1706 | 1710 | 1716 | rVB3 | 1663150 | 3280693 | 53.49%  | 3.999% |
| 55 | 12.331 | 1720 | 1724 | 1727 | rBV3 | 360385  | 558012  | 9.10%   | 0.680% |
| 56 | 12.380 | 1728 | 1732 | 1736 | rBV4 | 421531  | 827595  | 13.49%  | 1.009% |
| 57 | 12.416 | 1736 | 1738 | 1741 | rVB2 | 365139  | 391828  | 6.39%   | 0.478% |
| 58 | 12.495 | 1746 | 1751 | 1753 | rBV4 | 318106  | 501502  | 8.18%   | 0.611% |
| 59 | 12.526 | 1753 | 1756 | 1760 | rBV2 | 538320  | 682332  | 11.13%  | 0.832% |
| 60 | 12.575 | 1760 | 1764 | 1768 | rVB3 | 188801  | 302626  | 4.93%   | 0.369% |
| 61 | 12.648 | 1771 | 1776 | 1784 | rVB2 | 1949899 | 4115775 | 67.11%  | 5.017% |
| 62 | 12.739 | 1784 | 1791 | 1794 | rBV4 | 1746726 | 3298746 | 53.78%  | 4.021% |
| 63 | 12.776 | 1794 | 1797 | 1798 | rVV  | 875337  | 1190263 | 19.41%  | 1.451% |
| 64 | 12.812 | 1798 | 1803 | 1808 | rVV4 | 3223902 | 6133250 | 100.00% | 7.477% |
| 65 | 12.861 | 1808 | 1811 | 1817 | rVB3 | 791679  | 1357047 | 22.13%  | 1.654% |
| 66 | 12.916 | 1817 | 1820 | 1822 | rBV2 | 119268  | 167866  | 2.74%   | 0.205% |
| 67 | 12.977 | 1822 | 1830 | 1834 | rBV2 | 1020360 | 2615743 | 42.65%  | 3.189% |
| 68 | 13.044 | 1837 | 1841 | 1848 | rVB  | 1257966 | 1890720 | 30.83%  | 2.305% |
| 69 | 13.123 | 1849 | 1854 | 1859 | rBV  | 3357758 | 4790614 | 78.11%  | 5.840% |
| 70 | 13.172 | 1859 | 1862 | 1867 | rBV5 | 202553  | 313417  | 5.11%   | 0.382% |
| 71 | 13.257 | 1873 | 1876 | 1879 | rVB  | 450136  | 588752  | 9.60%   | 0.718% |
| 72 | 13.318 | 1879 | 1886 | 1890 | rBV4 | 1131634 | 2184549 | 35.62%  | 2.663% |
| 73 | 13.367 | 1890 | 1894 | 1898 | rVB3 | 493295  | 740395  | 12.07%  | 0.903% |
| 74 | 13.459 | 1903 | 1909 | 1914 | rVV  | 1252554 | 1978045 | 32.25%  | 2.411% |
| 75 | 13.501 | 1914 | 1916 | 1923 | rVB4 | 194307  | 254106  | 4.14%   | 0.310% |
| 76 | 13.574 | 1923 | 1928 | 1930 | rBV4 | 334043  | 553318  | 9.02%   | 0.675% |

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 WC-15-1-1-GR

Integration Parameters: RTEINT.P

Integrator: RTE

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Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
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|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 77  | 13.629 | 1933 | 1937 | 1940 | rVV  | 542732 | 805889  | 13.14% | 0.982% |
| 78  | 13.672 | 1940 | 1944 | 1951 | rVB3 | 582392 | 1120763 | 18.27% | 1.366% |
| 79  | 13.751 | 1952 | 1957 | 1962 | rBV4 | 976123 | 1632845 | 26.62% | 1.990% |
| 80  | 13.800 | 1962 | 1965 | 1966 | rVV  | 154178 | 175859  | 2.87%  | 0.214% |
| 81  | 13.831 | 1967 | 1970 | 1973 | rVV  | 304355 | 487981  | 7.96%  | 0.595% |
| 82  | 13.885 | 1976 | 1979 | 1982 | rVV  | 350990 | 583764  | 9.52%  | 0.712% |
| 83  | 13.922 | 1982 | 1985 | 1990 | rVV4 | 437093 | 706240  | 11.51% | 0.861% |
| 84  | 13.977 | 1990 | 1994 | 1999 | rVB  | 397287 | 590468  | 9.63%  | 0.720% |
| 85  | 14.081 | 2006 | 2011 | 2016 | rBV3 | 480920 | 771373  | 12.58% | 0.940% |
| 86  | 14.148 | 2016 | 2022 | 2028 | rVB6 | 174552 | 434188  | 7.08%  | 0.529% |
| 87  | 14.221 | 2028 | 2034 | 2036 | rBV5 | 160948 | 314786  | 5.13%  | 0.384% |
| 88  | 14.263 | 2036 | 2041 | 2047 | rBV7 | 265812 | 553345  | 9.02%  | 0.675% |
| 89  | 14.385 | 2057 | 2061 | 2064 | rBV3 | 260396 | 382489  | 6.24%  | 0.466% |
| 90  | 14.428 | 2064 | 2068 | 2072 | rVB3 | 266946 | 382293  | 6.23%  | 0.466% |
| 91  | 14.617 | 2096 | 2099 | 2103 | rVB3 | 222724 | 282032  | 4.60%  | 0.344% |
| 92  | 14.678 | 2104 | 2109 | 2115 | rVV3 | 317456 | 677439  | 11.05% | 0.826% |
| 93  | 14.733 | 2115 | 2118 | 2125 | rVB3 | 194453 | 340689  | 5.55%  | 0.415% |
| 94  | 14.946 | 2150 | 2153 | 2157 | rVB5 | 81400  | 111579  | 1.82%  | 0.136% |
| 95  | 15.056 | 2166 | 2171 | 2175 | rBV4 | 75817  | 132299  | 2.16%  | 0.161% |
| 96  | 15.239 | 2193 | 2201 | 2207 | rVB2 | 121986 | 303017  | 4.94%  | 0.369% |
| 97  | 15.440 | 2231 | 2234 | 2242 | rVB6 | 72020  | 129330  | 2.11%  | 0.158% |
| 98  | 15.611 | 2257 | 2262 | 2267 | rVB3 | 76358  | 135302  | 2.21%  | 0.165% |
| 99  | 16.300 | 2370 | 2375 | 2382 | rVB  | 35446  | 68759   | 1.12%  | 0.084% |
| 100 | 16.489 | 2400 | 2406 | 2419 | rVB  | 53028  | 144517  | 2.36%  | 0.176% |

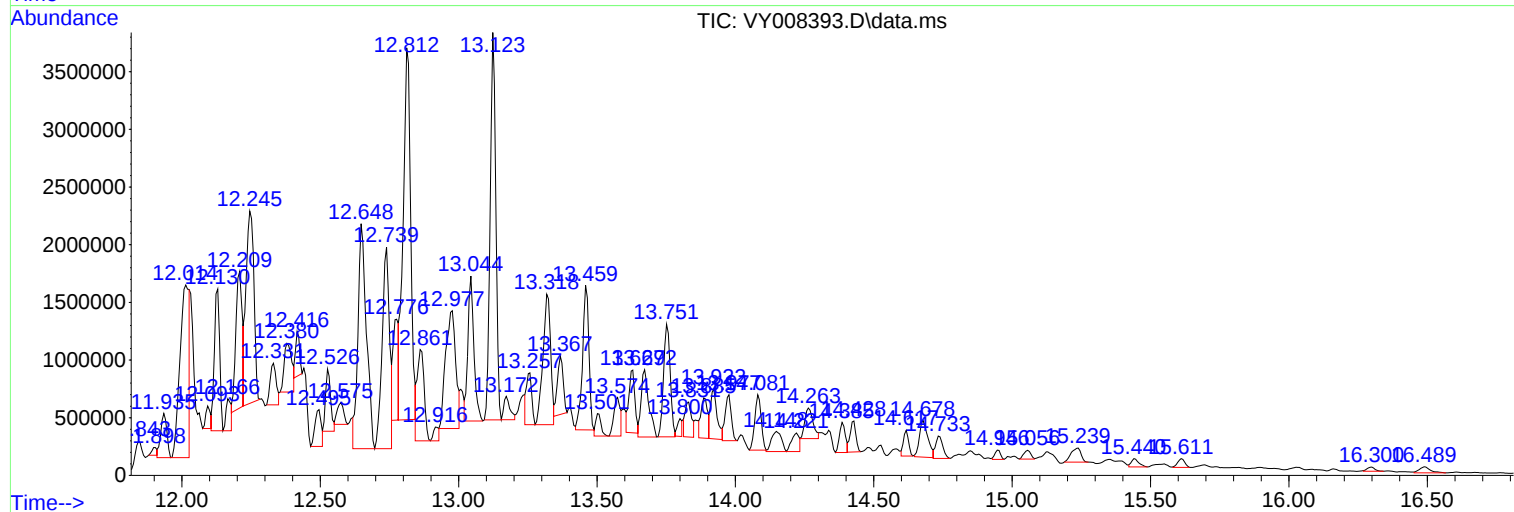
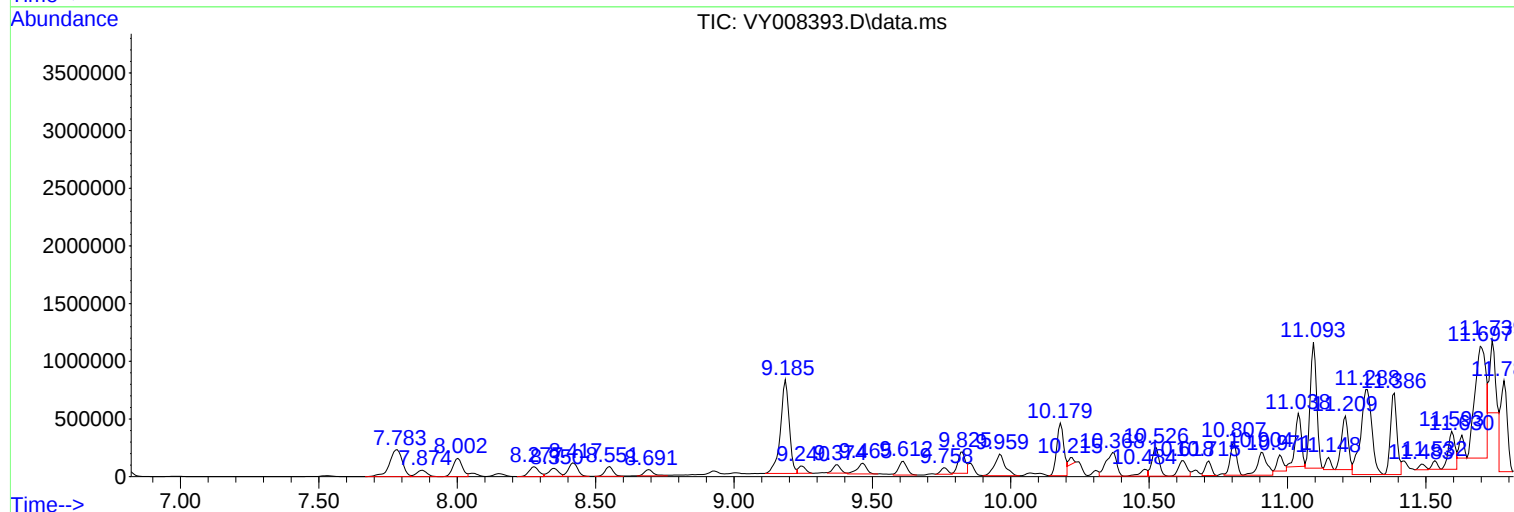
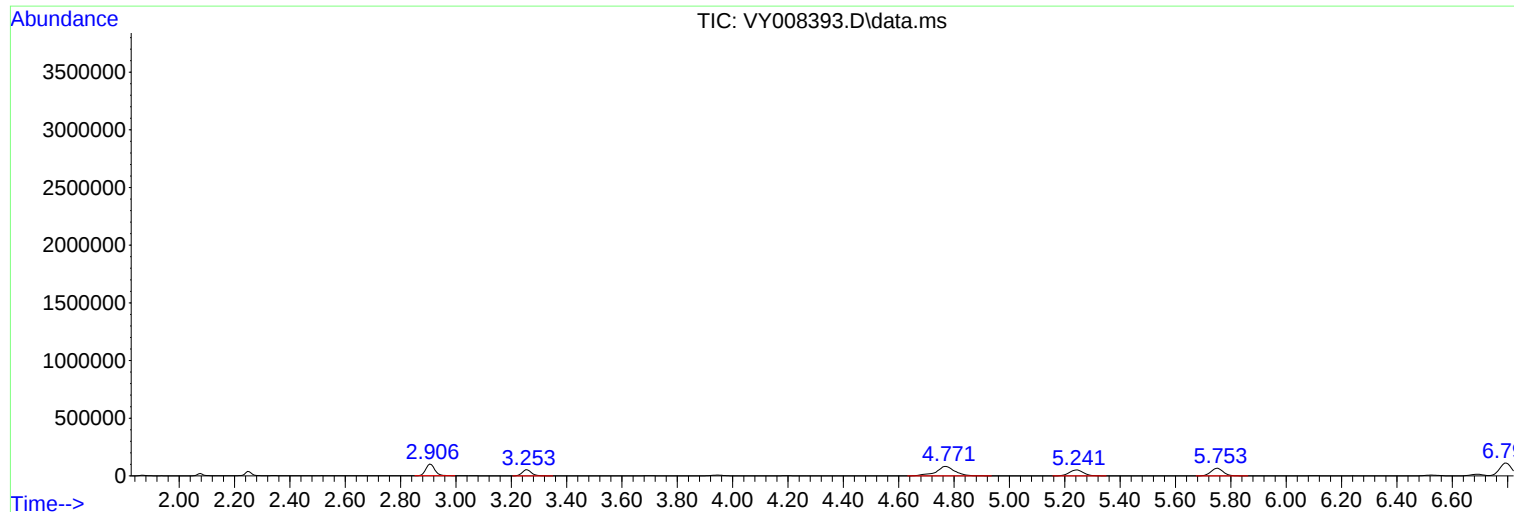
Sum of corrected areas: 82033206

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
Quant Title : SW846 8260

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



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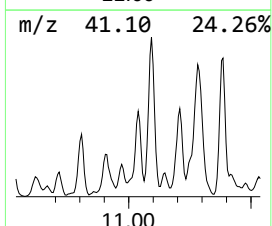
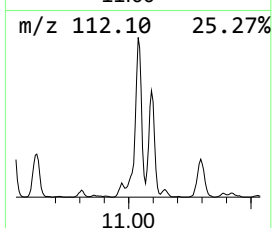
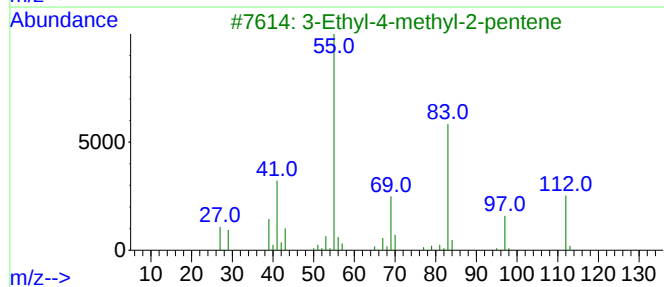
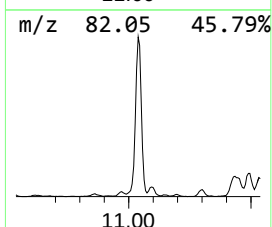
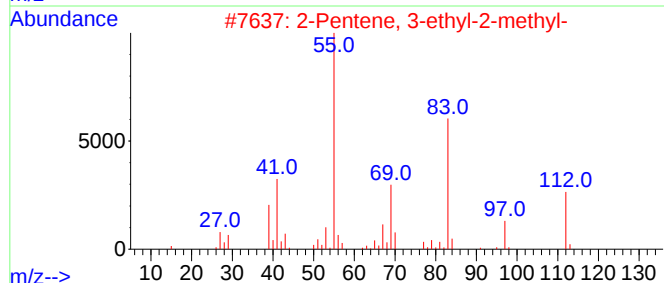
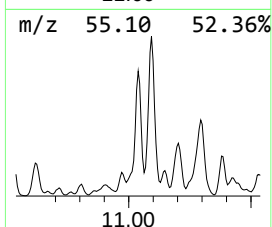
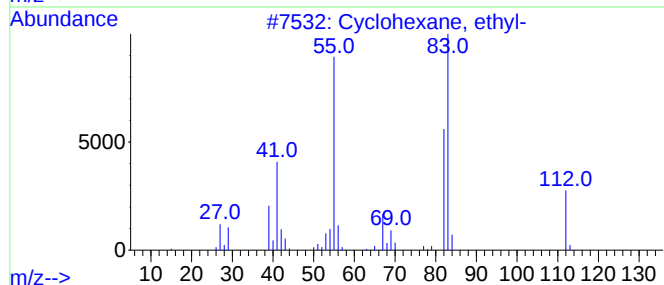
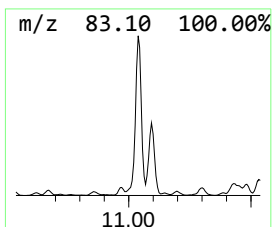
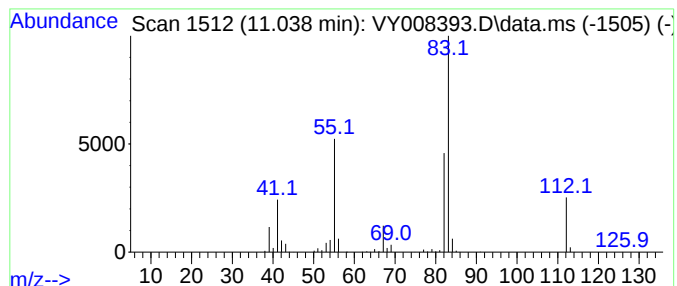
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Cyclohexane, ethyl- Concentration Rank 9

| R.T.   | EstConc     | Area   | Relative to ISTD | R.T.   |
|--------|-------------|--------|------------------|--------|
| 11.038 | 457.13 ug/l | 710493 | Chlorobenzene-d5 | 11.496 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, ethyl-          | 112 | C8H16   | 001678-91-7 | 91   |
| 2    |    |   | 2-Pentene, 3-ethyl-2-methyl- | 112 | C8H16   | 019780-67-7 | 64   |
| 3    |    |   | 3-Ethyl-4-methyl-2-pentene   | 112 | C8H16   | 019780-68-8 | 53   |
| 4    |    |   | 3-Ethyl-2-hexene             | 112 | C8H16   | 000620-00-8 | 53   |
| 5    |    |   | 2-Hexene, 2,3-dimethyl-      | 112 | C8H16   | 007145-20-2 | 53   |



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Quant Title : SW846 8260

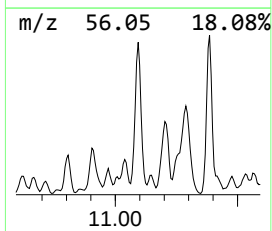
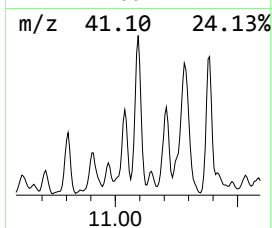
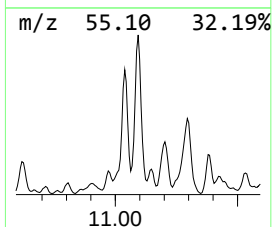
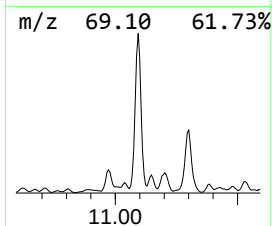
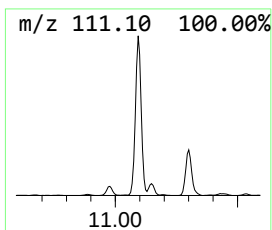
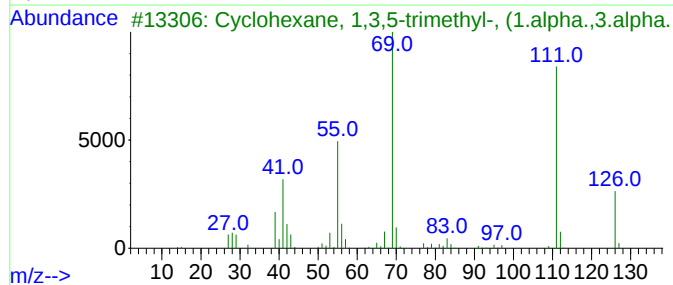
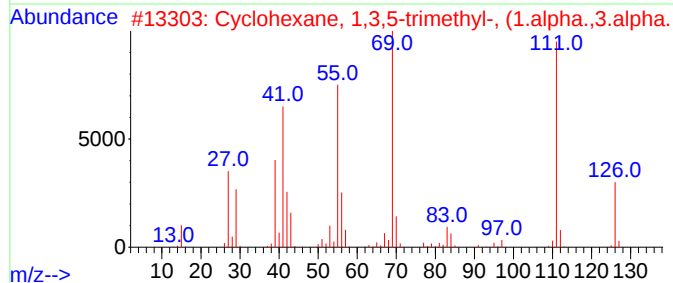
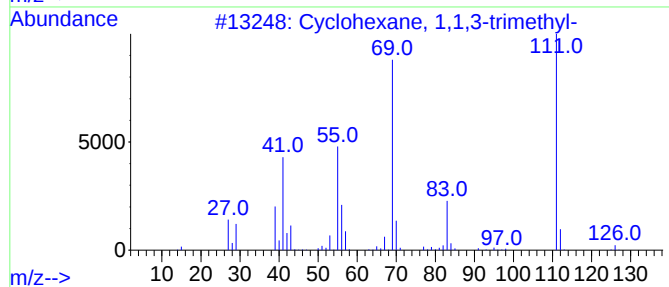
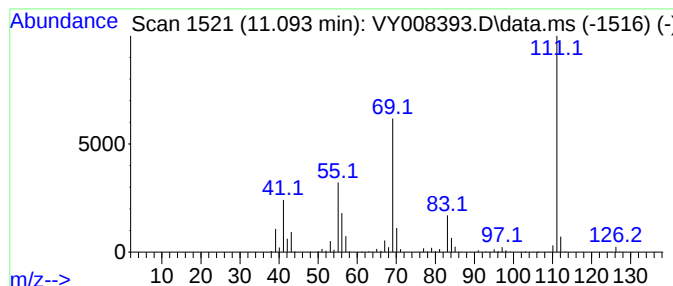
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 4

| R.T.   | EstConc      | Area    | Relative to ISTD | R.T.   |
|--------|--------------|---------|------------------|--------|
| 11.093 | 1139.55 ug/l | 1771140 | Chlorobenzene-d5 | 11.496 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1,1,3-trimethyl-       | 126 | C9H18   | 003073-66-3 | 95   |
| 2    |    |   | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18   | 001795-26-2 | 78   |
| 3    |    |   | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18   | 001795-27-3 | 72   |
| 4    |    |   | Cyclohexane, 1,3,5-trimethyl-       | 126 | C9H18   | 001839-63-0 | 72   |
| 5    |    |   | Cyclooctane, (1-methylpropyl)-      | 168 | C12H24  | 016538-89-9 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041922\  
Data File : VY008393.D  
Acq On : 19 Apr 2022 14:10  
Operator : KP/MD  
Sample : N2431-03  
Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

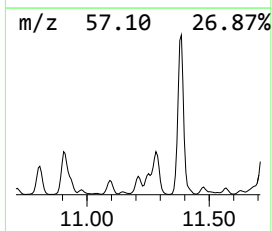
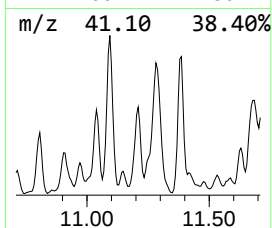
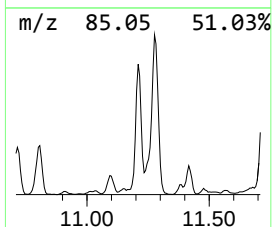
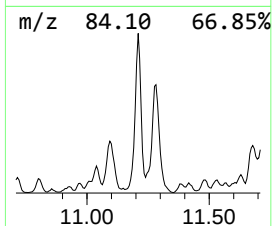
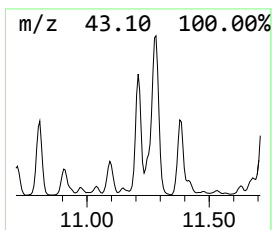
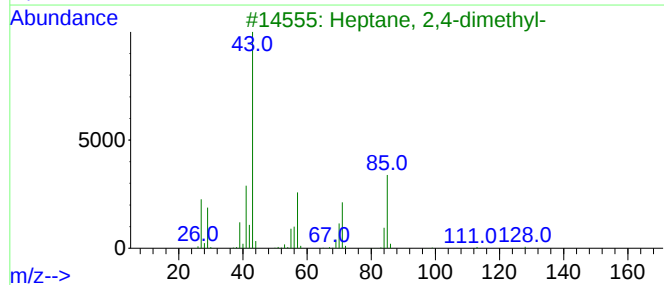
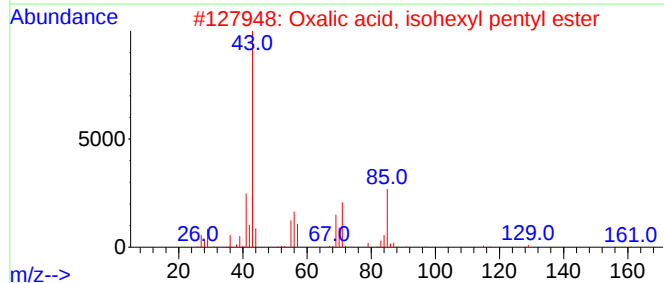
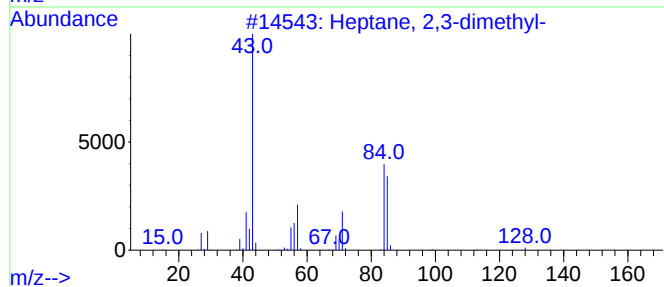
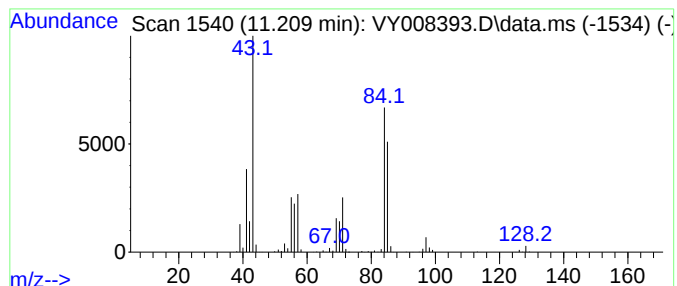
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-1-GR

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Heptane, 2,3-dimethyl- Concentration Rank 8

| R.T.      | EstConc                            | Area   | Relative to ISTD | R.T.         |      |
|-----------|------------------------------------|--------|------------------|--------------|------|
| 11.209    | 519.34 ug/l                        | 807184 | Chlorobenzene-d5 | 11.496       |      |
| Hit# of 5 | Tentative ID                       | MW     | MolForm          | CAS#         | Qual |
| 1         | Heptane, 2,3-dimethyl-             | 128    | C9H20            | 003074-71-3  | 74   |
| 2         | Oxalic acid, isohexyl pentyl ester | 244    | C13H24O4         | 1000309-32-8 | 53   |
| 3         | Heptane, 2,4-dimethyl-             | 128    | C9H20            | 002213-23-2  | 53   |
| 4         | Hexane, 2,3,5-trimethyl-           | 128    | C9H20            | 001069-53-0  | 53   |
| 5         | Nonane                             | 128    | C9H20            | 000111-84-2  | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041922\  
Data File : VY008393.D  
Acq On : 19 Apr 2022 14:10  
Operator : KP/MD  
Sample : N2431-03  
Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-1-GR

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
Quant Title : SW846 8260

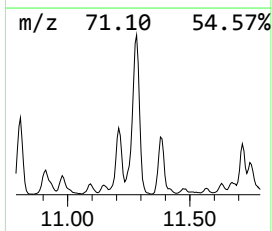
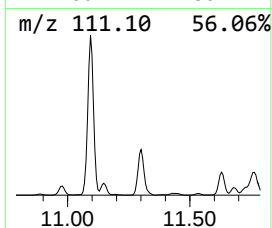
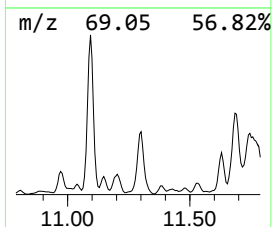
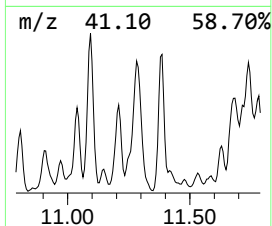
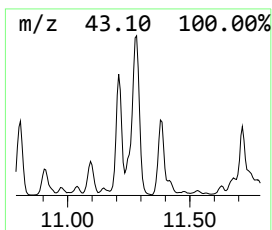
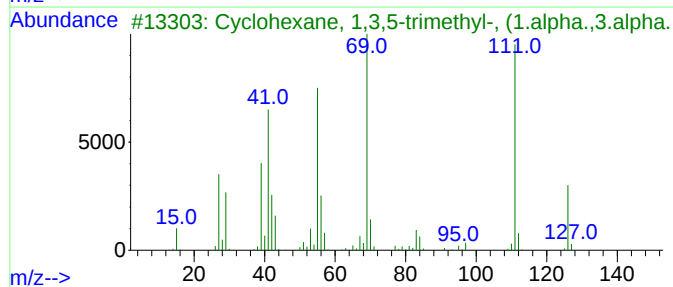
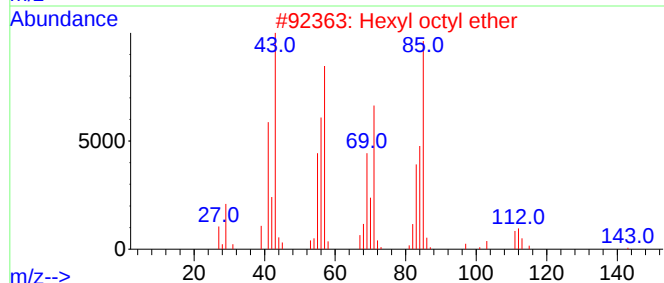
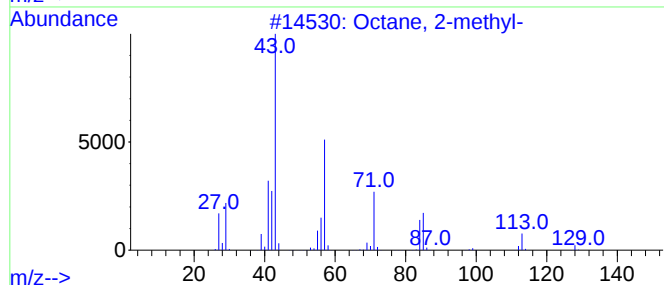
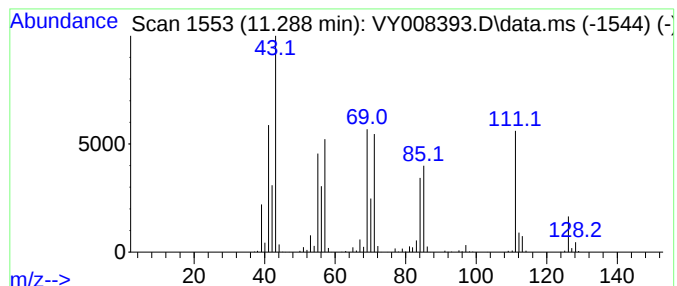
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Octane, 2-methyl- Concentration Rank 2

| R.T.   | EstConc      | Area    | Relative to ISTD | R.T.   |
|--------|--------------|---------|------------------|--------|
| 11.288 | 1318.68 ug/l | 2049550 | Chlorobenzene-d5 | 11.496 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Octane, 2-methyl-                   | 128 | C9H20   | 003221-61-2 | 58   |
| 2    |    |   | Hexyl octyl ether                   | 214 | C14H30O | 017071-54-4 | 47   |
| 3    |    |   | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18   | 001795-26-2 | 42   |
| 4    |    |   | Cyclohexane, 1,2,4-trimethyl-, (... | 126 | C9H18   | 007667-60-9 | 42   |
| 5    |    |   | Hexane, 3,3-dimethyl-               | 114 | C8H18   | 000563-16-6 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041922\  
Data File : VY008393.D  
Acq On : 19 Apr 2022 14:10  
Operator : KP/MD  
Sample : N2431-03  
Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-1-GR

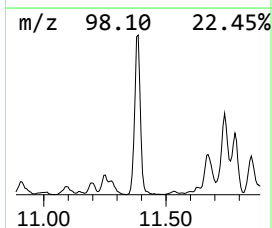
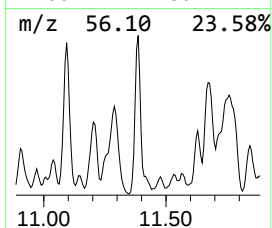
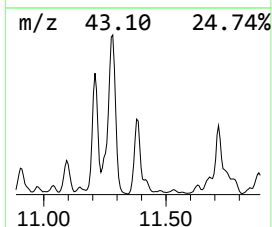
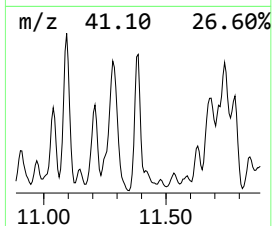
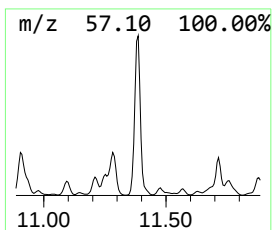
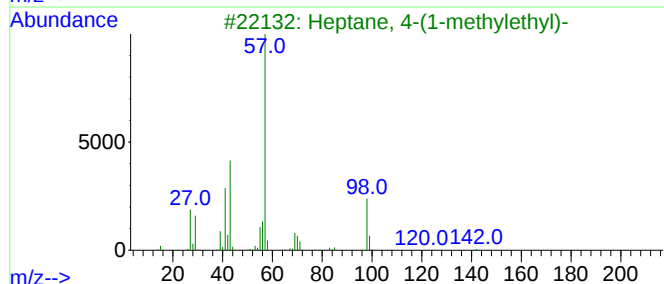
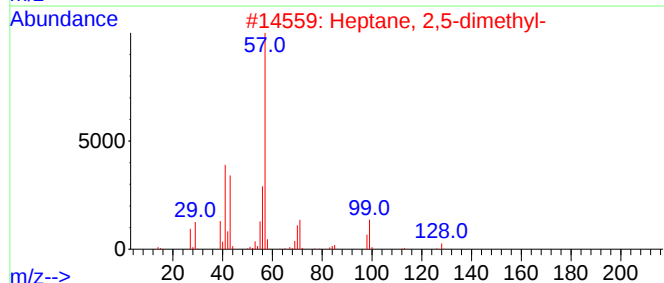
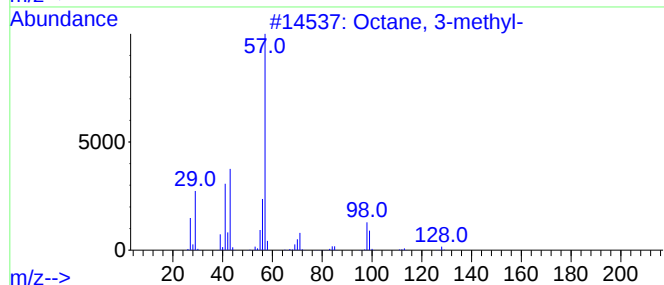
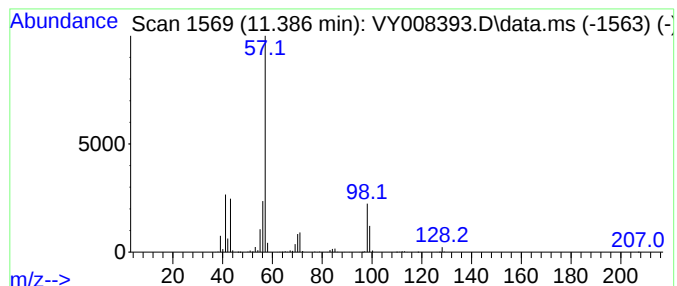
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Octane, 3-methyl- Concentration Rank 7

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 11.386 | 753.62 ug/l | 1171310 | Chlorobenzene-d5 | 11.496 |

| 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 | 76   |
| 3    |    |   | Heptane, 4-(1-methylethyl)- | 142 | C10H22  | 052896-87-4 | 64   |
| 4    |    |   | Heptane, 3,5-dimethyl-      | 128 | C9H20   | 000926-82-9 | 50   |
| 5    |    |   | Heptane, 4-propyl-          | 142 | C10H22  | 003178-29-8 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041922\  
Data File : VY008393.D  
Acq On : 19 Apr 2022 14:10  
Operator : KP/MD  
Sample : N2431-03  
Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-1-GR

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
Quant Title : SW846 8260

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

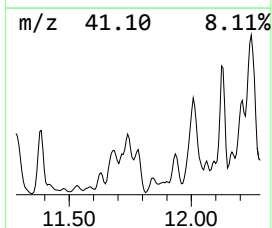
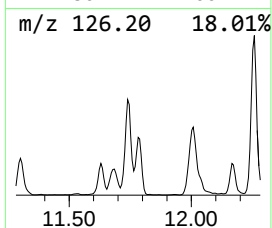
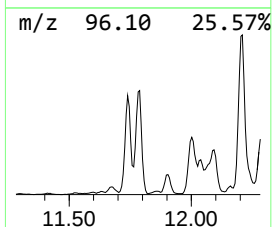
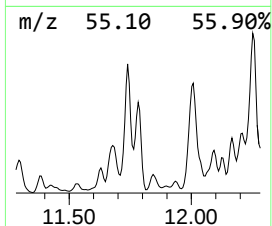
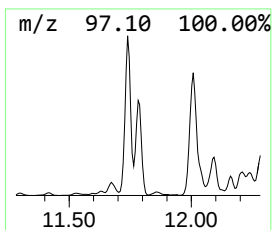
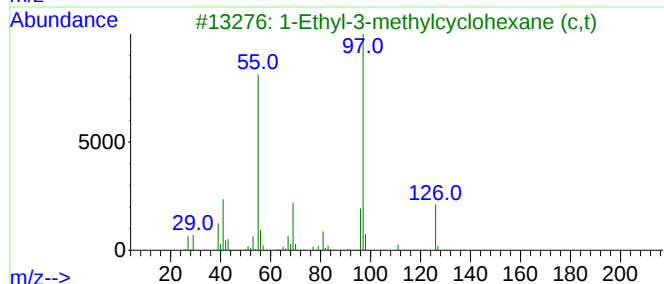
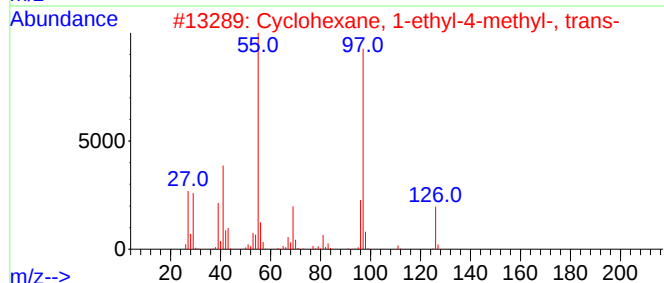
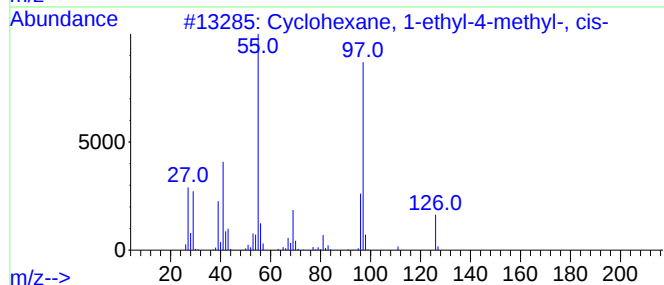
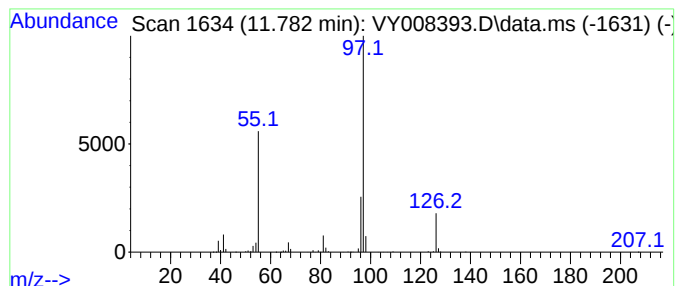
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Peak Number 6 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 6

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 11.782 | 807.70 ug/l | 1255360 | Chlorobenzene-d5 | 11.496 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 004926-78-7 | 83   |
| 2    |      | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 006236-88-0 | 78   |
| 3    |      | 1-Ethyl-3-methylcyclohexane (c,t)   | 126 | C9H18   | 003728-55-0 | 72   |
| 4    |      | Cyclohexane, 1-bromo-4-methyl-      | 176 | C7H13Br | 006294-40-2 | 64   |
| 5    |      | 2-Hexene, 3,4,4-trimethyl-          | 126 | C9H18   | 053941-19-8 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041922\  
Data File : VY008393.D  
Acq On : 19 Apr 2022 14:10  
Operator : KP/MD  
Sample : N2431-03  
Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

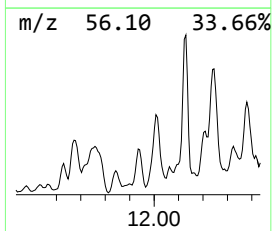
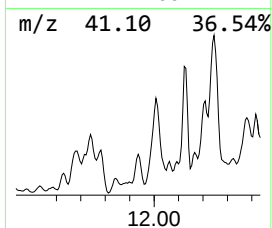
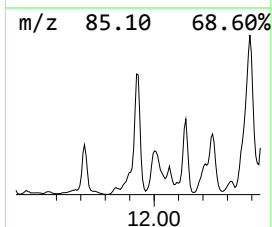
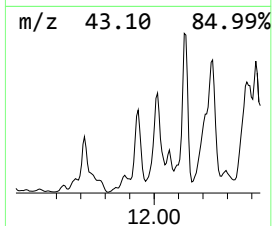
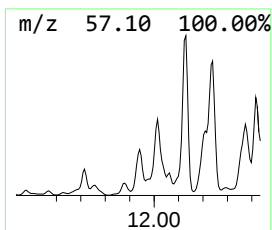
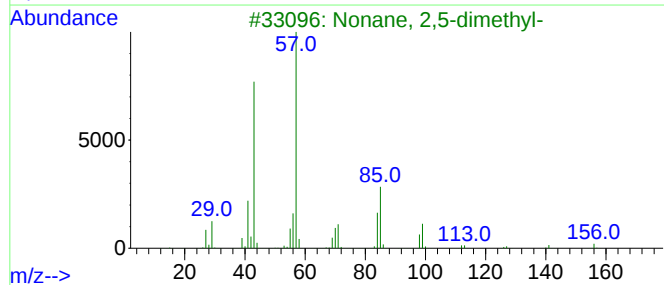
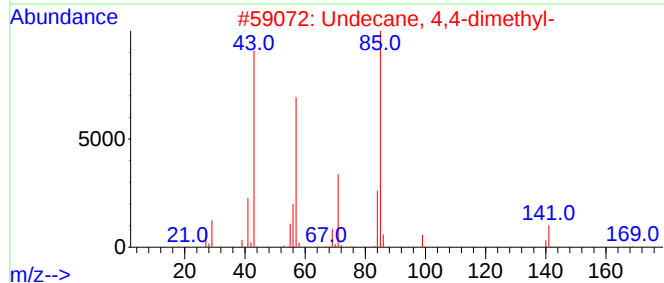
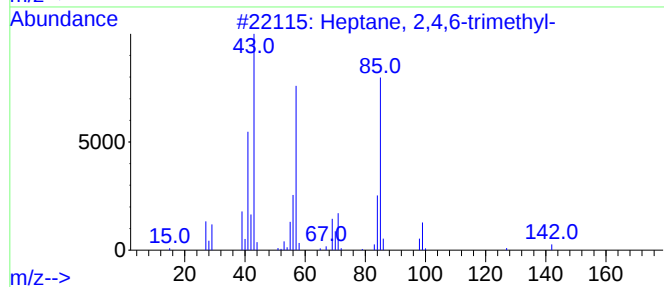
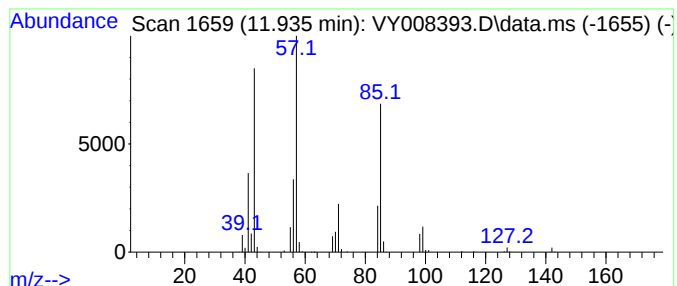
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-1-GR

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 7 Heptane, 2,4,6-trimethyl- Concentration Rank 10

| R.T.      | EstConc                           | Area   | Relative to ISTD |           | R.T.         |      |
|-----------|-----------------------------------|--------|------------------|-----------|--------------|------|
| 11.935    | 377.61 ug/l                       | 586894 | Chlorobenzene-d5 |           | 11.496       |      |
| Hit# of 5 | Tentative ID                      |        | MW               | MolForm   | CAS#         | Qual |
| 1         | Heptane, 2,4,6-trimethyl-         |        | 142              | C10H22    | 002613-61-8  | 80   |
| 2         | Undecane, 4,4-dimethyl-           |        | 184              | C13H28    | 017312-68-4  | 59   |
| 3         | Nonane, 2,5-dimethyl-             |        | 156              | C11H24    | 017302-27-1  | 59   |
| 4         | Sulfurous acid, butyl hexyl ester |        | 222              | C10H22O3S | 1000309-17-3 | 53   |
| 5         | Hexane, 2,4-dimethyl-             |        | 114              | C8H18     | 000589-43-5  | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041922\  
Data File : VY008393.D  
Acq On : 19 Apr 2022 14:10  
Operator : KP/MD  
Sample : N2431-03  
Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

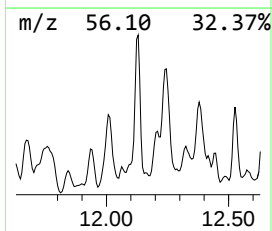
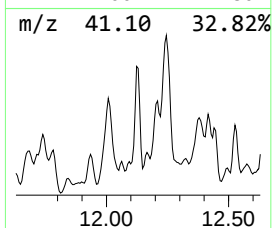
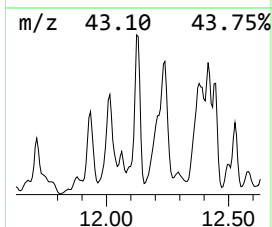
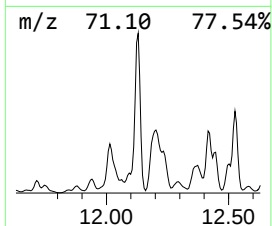
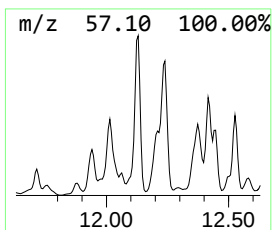
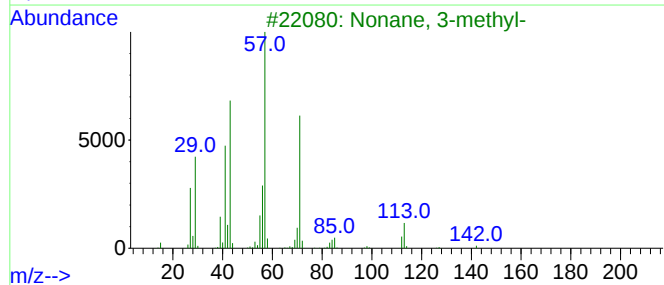
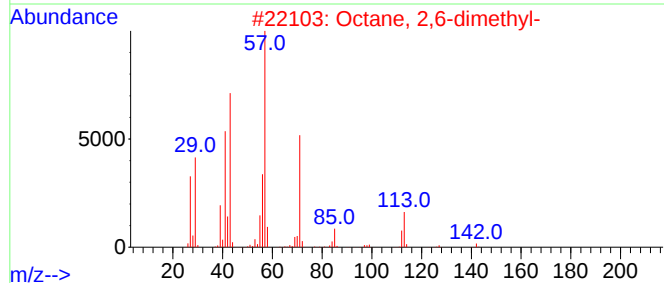
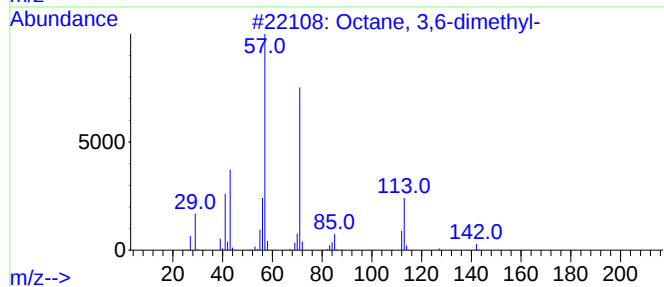
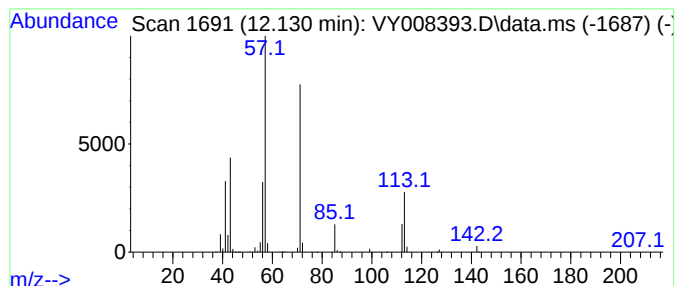
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-1-GR

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
Quant Title : SW846 8260

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

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

| R.T.   | EstConc                             | Area    | Relative to ISTD |     |           | R.T.         |      |
|--------|-------------------------------------|---------|------------------|-----|-----------|--------------|------|
| 12.130 | 1044.40 ug/l                        | 1623240 | Chlorobenzene-d5 |     |           | 11.496       |      |
| 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      | Sulfurous acid, 2-ethylhexyl hex... |         |                  | 418 | C24H50O3S | 1000309-19-9 | 78   |
| 5      | Sulfurous acid, 2-ethylhexyl oct... |         |                  | 446 | C26H54O3S | 1000309-20-1 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041922\  
Data File : VY008393.D  
Acq On : 19 Apr 2022 14:10  
Operator : KP/MD  
Sample : N2431-03  
Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

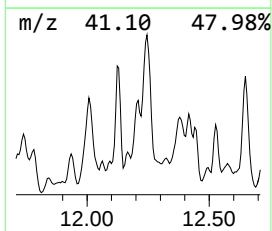
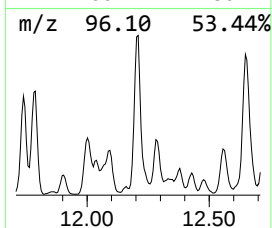
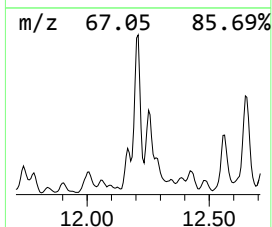
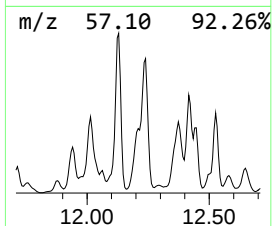
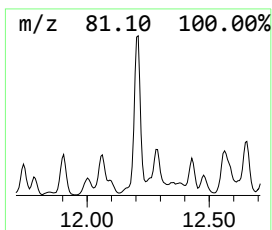
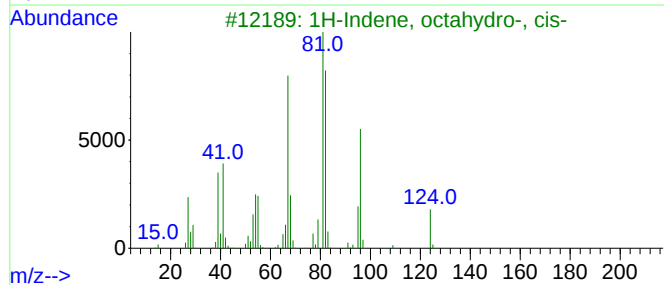
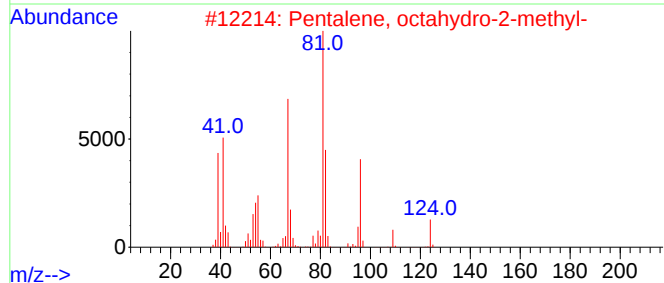
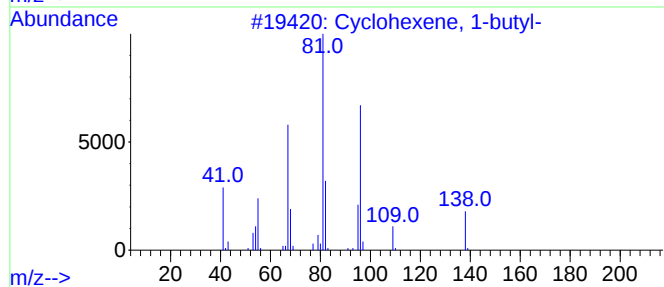
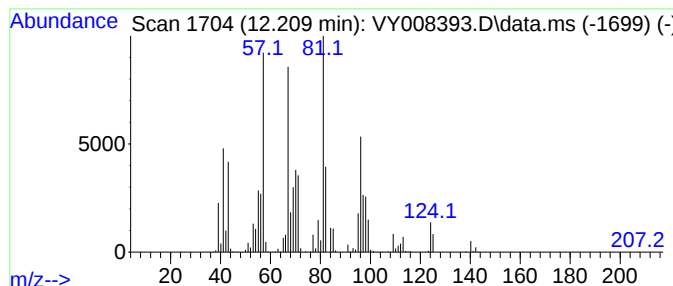
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-1-GR

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
Quant Title : SW846 8260

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

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Peak Number 9 Cyclohexene, 1-butyl- Concentration Rank 3

| R.T.      | EstConc                             | Area    | Relative to ISTD |         | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|---------|-------------|------|
| 12.209    | 1252.85 ug/l                        | 1947230 | Chlorobenzene-d5 |         | 11.496      |      |
| Hit# of 5 | Tentative ID                        |         | MW               | MolForm | CAS#        | Qual |
| 1         | Cyclohexene, 1-butyl-               |         | 138              | C10H18  | 003282-53-9 | 76   |
| 2         | Pentalene, octahydro-2-methyl-      |         | 124              | C9H16   | 003868-64-2 | 64   |
| 3         | 1H-Indene, octahydro-, cis-         |         | 124              | C9H16   | 004551-51-3 | 58   |
| 4         | Cyclohexane, methylene-             |         | 96               | C7H12   | 001192-37-6 | 52   |
| 5         | Cyclopentane, 1,3-dimethyl-2-(1-... |         | 138              | C10H18  | 061142-31-2 | 52   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041922\  
Data File : VY008393.D  
Acq On : 19 Apr 2022 14:10  
Operator : KP/MD  
Sample : N2431-03  
Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-1-GR

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
Quant Title : SW846 8260

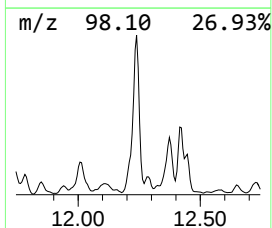
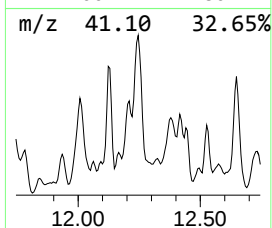
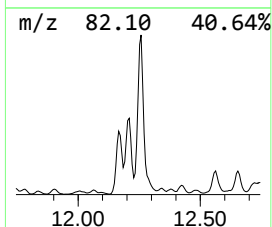
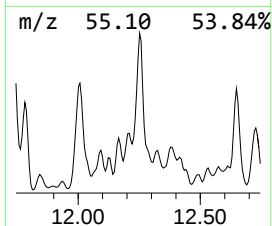
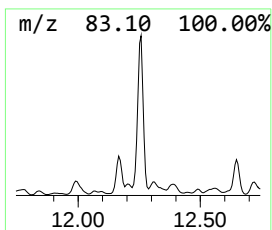
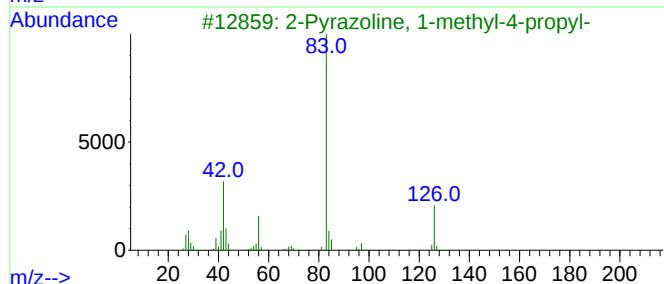
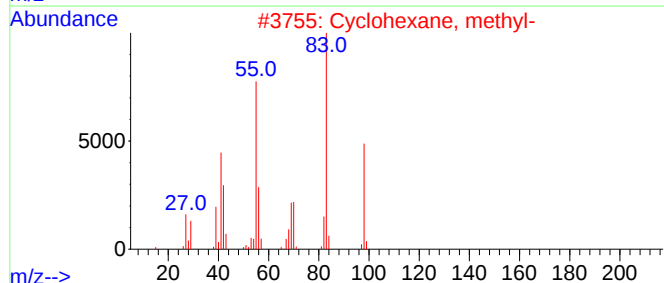
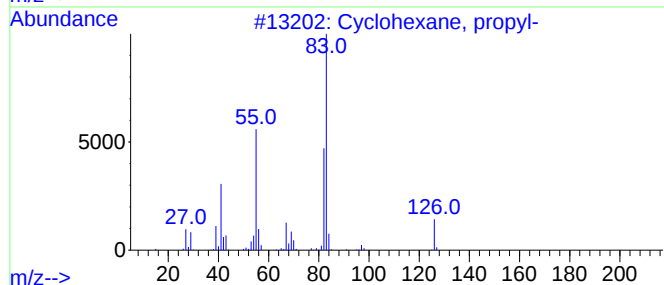
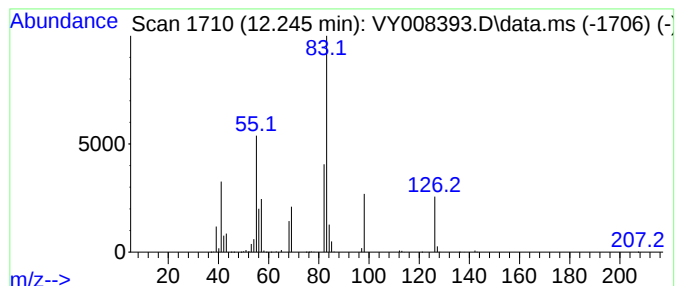
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Cyclohexane, propyl- Concentration Rank 1

| R.T.   | EstConc      | Area    | Relative to ISTD | R.T.   |
|--------|--------------|---------|------------------|--------|
| 12.246 | 2110.80 ug/l | 3280690 | Chlorobenzene-d5 | 11.496 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, propyl-               | 126 | C9H18   | 001678-92-8 | 64   |
| 2    |    |   | Cyclohexane, methyl-               | 98  | C7H14   | 000108-87-2 | 58   |
| 3    |    |   | 2-Pyrazoline, 1-methyl-4-propyl-   | 126 | C7H14N2 | 033063-77-3 | 50   |
| 4    |    |   | 1-Butene, 2,3,3-trimethyl-         | 98  | C7H14   | 000594-56-9 | 47   |
| 5    |    |   | Cyclopropane, 1,1,2,2-tetramethyl- | 98  | C7H14   | 004127-47-3 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041922\  
Data File : VY008393.D  
Acq On : 19 Apr 2022 14:10  
Operator : KP/MD  
Sample : N2431-03  
Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-1-GR

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.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 |
| Cyclohexane, et... | 11.038 | 457.1   | ug/l  | 710493   | 3                     | 11.496 | 77712 | 50.0 |
| Cyclohexane, 1,... | 11.093 | 1139.6  | ug/l  | 1771140  | 3                     | 11.496 | 77712 | 50.0 |
| Heptane, 2,3-di... | 11.209 | 519.3   | ug/l  | 807184   | 3                     | 11.496 | 77712 | 50.0 |
| Octane, 2-methyl-  | 11.288 | 1318.7  | ug/l  | 2049550  | 3                     | 11.496 | 77712 | 50.0 |
| Octane, 3-methyl-  | 11.386 | 753.6   | ug/l  | 1171310  | 3                     | 11.496 | 77712 | 50.0 |
| Cyclohexane, 1-... | 11.782 | 807.7   | ug/l  | 1255360  | 3                     | 11.496 | 77712 | 50.0 |
| Heptane, 2,4,6-... | 11.935 | 377.6   | ug/l  | 586894   | 3                     | 11.496 | 77712 | 50.0 |
| Octane, 3,6-dim... | 12.130 | 1044.4  | ug/l  | 1623240  | 3                     | 11.496 | 77712 | 50.0 |
| Cyclohexene, 1-... | 12.209 | 1252.8  | ug/l  | 1947230  | 3                     | 11.496 | 77712 | 50.0 |
| Cyclohexane, pr... | 12.246 | 2110.8  | ug/l  | 3280690  | 3                     | 11.496 | 77712 | 50.0 |