

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021021\  
 Data File : VD068346.D  
 Acq On : 10 Feb 2021 15:01  
 Operator : VA/SY  
 Sample : M1363-01  
 Misc : 3.39G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VCP-SS-7-SOIL

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\82D011921S.M  
 Title : SW846 8260

Signal : TIC: VD068346.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         | 7.985       | 1025          | 1031        | 1039         | rVB      | 628280         | 1369636       | 1.15%           | 0.057%        |
| 2         | 8.867       | 1172          | 1181        | 1193         | rBV      | 961347         | 1893582       | 1.59%           | 0.079%        |
| 3         | 9.356       | 1248          | 1264        | 1269         | rBV2     | 1160503        | 3368655       | 2.82%           | 0.140%        |
| 4         | 9.632       | 1301          | 1311        | 1320         | rVB      | 1244568        | 2677781       | 2.24%           | 0.111%        |
| 5         | 9.773       | 1326          | 1335        | 1347         | rBV2     | 1343250        | 2746199       | 2.30%           | 0.114%        |
| 6         | 9.920       | 1347          | 1360        | 1365         | rBV      | 983252         | 2048200       | 1.72%           | 0.085%        |
| 7         | 10.103      | 1383          | 1391        | 1395         | rBV      | 1196831        | 2526086       | 2.12%           | 0.105%        |
| 8         | 10.150      | 1395          | 1399        | 1407         | rVB      | 944688         | 1713720       | 1.44%           | 0.071%        |
| 9         | 10.261      | 1407          | 1418        | 1424         | rBV4     | 1139577        | 2709496       | 2.27%           | 0.112%        |
| 10        | 10.338      | 1424          | 1431        | 1435         | rBV      | 8003742        | 15143868      | 12.70%          | 0.628%        |
| 11        | 10.379      | 1435          | 1438        | 1445         | rVB      | 4076083        | 6826568       | 5.72%           | 0.283%        |
| 12        | 10.467      | 1445          | 1453        | 1456         | rBV      | 2806745        | 5186123       | 4.35%           | 0.215%        |
| 13        | 10.508      | 1456          | 1460        | 1471         | rVB2     | 3870995        | 9086670       | 7.62%           | 0.377%        |
| 14        | 10.644      | 1471          | 1483        | 1485         | rBV2     | 1492396        | 3247694       | 2.72%           | 0.135%        |
| 15        | 10.685      | 1485          | 1490        | 1497         | rVB      | 5929436        | 10795960      | 9.05%           | 0.448%        |
| 16        | 10.779      | 1497          | 1506        | 1512         | rBV2     | 8076057        | 16748783      | 14.04%          | 0.695%        |
| 17        | 10.867      | 1516          | 1521        | 1527         | rVB      | 3708699        | 6212417       | 5.21%           | 0.258%        |
| 18        | 10.955      | 1527          | 1536        | 1542         | rBV      | 8007308        | 14178733      | 11.89%          | 0.588%        |
| 19        | 11.014      | 1542          | 1546        | 1548         | rBV      | 1011769        | 1582084       | 1.33%           | 0.066%        |
| 20        | 11.055      | 1548          | 1553        | 1561         | rVB      | 5095706        | 9893866       | 8.29%           | 0.411%        |
| 21        | 11.126      | 1561          | 1565        | 1568         | rBV2     | 4112025        | 6606146       | 5.54%           | 0.274%        |
| 22        | 11.161      | 1568          | 1571        | 1574         | rBV      | 2291566        | 2905685       | 2.44%           | 0.121%        |
| 23        | 11.197      | 1574          | 1577        | 1580         | rVB      | 3490092        | 4303226       | 3.61%           | 0.179%        |
| 24        | 11.250      | 1580          | 1586        | 1592         | rVB      | 16468578       | 29215694      | 24.49%          | 1.212%        |
| 25        | 11.302      | 1592          | 1595        | 1599         | rVB      | 2376903        | 2977896       | 2.50%           | 0.124%        |
| 26        | 11.355      | 1599          | 1604        | 1608         | rBV2     | 9350086        | 16103774      | 13.50%          | 0.668%        |
| 27        | 11.402      | 1608          | 1612        | 1616         | rVB      | 4441640        | 6922584       | 5.80%           | 0.287%        |
| 28        | 11.455      | 1616          | 1621        | 1629         | rVB      | 10808998       | 21230068      | 17.80%          | 0.881%        |
| 29        | 11.526      | 1629          | 1633        | 1638         | rBV      | 3538401        | 5581227       | 4.68%           | 0.232%        |
| 30        | 11.579      | 1638          | 1642        | 1649         | rBV3     | 1869948        | 4040242       | 3.39%           | 0.168%        |
| 31        | 11.649      | 1650          | 1654        | 1656         | rBV      | 923890         | 1538582       | 1.29%           | 0.064%        |
| 32        | 11.685      | 1656          | 1660        | 1665         | rBV      | 1665901        | 2580433       | 2.16%           | 0.107%        |
| 33        | 11.744      | 1666          | 1670        | 1672         | rBV2     | 1524077        | 2214998       | 1.86%           | 0.092%        |
| 34        | 11.785      | 1672          | 1677        | 1680         | rBV      | 6466067        | 10110603      | 8.48%           | 0.420%        |
| 35        | 11.832      | 1680          | 1685        | 1690         | rVB3     | 10641095       | 20601607      | 17.27%          | 0.855%        |
| 36        | 11.891      | 1690          | 1695        | 1699         | rBV      | 19442635       | 34768286      | 29.15%          | 1.443%        |

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 ClientSampleId :  
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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\_D\Method\82D011921S.M  
 Title : SW846 8260

|    |        |      |      |      |      |          |           |         |        |
|----|--------|------|------|------|------|----------|-----------|---------|--------|
| 37 | 11.932 | 1699 | 1702 | 1708 | rVB2 | 16956381 | 29407912  | 24.65%  | 1.220% |
| 38 | 11.997 | 1708 | 1713 | 1719 | rBV3 | 4088521  | 9513700   | 7.98%   | 0.395% |
| 39 | 12.085 | 1720 | 1728 | 1733 | rVB3 | 6392871  | 13101600  | 10.98%  | 0.544% |
| 40 | 12.155 | 1733 | 1740 | 1748 | rBV3 | 33802387 | 82339171  | 69.02%  | 3.417% |
| 41 | 12.279 | 1753 | 1761 | 1765 | rVV  | 35927650 | 61739197  | 51.76%  | 2.562% |
| 42 | 12.320 | 1765 | 1768 | 1769 | rVV2 | 6155057  | 7359619   | 6.17%   | 0.305% |
| 43 | 12.361 | 1770 | 1775 | 1776 | rVV3 | 24628373 | 40323510  | 33.80%  | 1.673% |
| 44 | 12.391 | 1776 | 1780 | 1791 | rVV5 | 42579611 | 119289175 | 100.00% | 4.950% |
| 45 | 12.479 | 1791 | 1795 | 1798 | rVV2 | 14147888 | 28971444  | 24.29%  | 1.202% |
| 46 | 12.526 | 1800 | 1803 | 1811 | rVB3 | 18523673 | 32943998  | 27.62%  | 1.367% |
| 47 | 12.644 | 1816 | 1823 | 1827 | rBV3 | 10654224 | 18691589  | 15.67%  | 0.776% |
| 48 | 12.720 | 1827 | 1836 | 1841 | rBV5 | 14236344 | 36255867  | 30.39%  | 1.504% |
| 49 | 12.767 | 1841 | 1844 | 1845 | rBV3 | 2251526  | 2575001   | 2.16%   | 0.107% |
| 50 | 12.802 | 1845 | 1850 | 1857 | rVB4 | 32390807 | 71747396  | 60.15%  | 2.977% |
| 51 | 12.879 | 1857 | 1863 | 1868 | rBV4 | 14629615 | 34074371  | 28.56%  | 1.414% |
| 52 | 12.955 | 1868 | 1876 | 1882 | rBV3 | 43339466 | 118064660 | 98.97%  | 4.899% |
| 53 | 13.014 | 1882 | 1886 | 1891 | rVB3 | 27004158 | 45179590  | 37.87%  | 1.875% |
| 54 | 13.102 | 1891 | 1901 | 1905 | rBV2 | 24841918 | 48737987  | 40.86%  | 2.022% |
| 55 | 13.155 | 1905 | 1910 | 1912 | rBV3 | 18269063 | 32288470  | 27.07%  | 1.340% |
| 56 | 13.191 | 1912 | 1916 | 1923 | rVV2 | 69273958 | 119054500 | 99.80%  | 4.940% |
| 57 | 13.249 | 1923 | 1926 | 1929 | rVV2 | 6965168  | 9236316   | 7.74%   | 0.383% |
| 58 | 13.285 | 1930 | 1932 | 1934 | rVV2 | 3673221  | 3985290   | 3.34%   | 0.165% |
| 59 | 13.320 | 1934 | 1938 | 1942 | rVV2 | 15378091 | 26521210  | 22.23%  | 1.101% |
| 60 | 13.373 | 1943 | 1947 | 1949 | rVV2 | 18792741 | 31704858  | 26.58%  | 1.316% |
| 61 | 13.402 | 1949 | 1952 | 1956 | rVV2 | 25229198 | 36013031  | 30.19%  | 1.494% |
| 62 | 13.467 | 1956 | 1963 | 1968 | rVV5 | 43371196 | 99096458  | 83.07%  | 4.112% |
| 63 | 13.508 | 1968 | 1970 | 1974 | rVB3 | 17072655 | 19925400  | 16.70%  | 0.827% |
| 64 | 13.649 | 1991 | 1994 | 1996 | rBV3 | 3400764  | 4539755   | 3.81%   | 0.188% |
| 65 | 13.732 | 2000 | 2008 | 2013 | rVV4 | 24199978 | 67176257  | 56.31%  | 2.788% |
| 66 | 13.773 | 2013 | 2015 | 2020 | rVB  | 20248279 | 30087318  | 25.22%  | 1.249% |
| 67 | 13.844 | 2020 | 2027 | 2031 | rBV3 | 15318877 | 32889964  | 27.57%  | 1.365% |
| 68 | 13.902 | 2031 | 2037 | 2041 | rBV2 | 62661212 | 109973823 | 92.19%  | 4.564% |
| 69 | 14.002 | 2049 | 2054 | 2058 | rBV3 | 15500446 | 27043951  | 22.67%  | 1.122% |
| 70 | 14.055 | 2059 | 2063 | 2067 | rVV4 | 10675139 | 22230635  | 18.64%  | 0.922% |
| 71 | 14.120 | 2069 | 2074 | 2078 | rVB  | 41287193 | 65179079  | 54.64%  | 2.705% |
| 72 | 14.161 | 2078 | 2081 | 2087 | rVB3 | 14325334 | 24622803  | 20.64%  | 1.022% |
| 73 | 14.226 | 2087 | 2092 | 2098 | rVB5 | 37294984 | 68405332  | 57.34%  | 2.839% |
| 74 | 14.291 | 2099 | 2103 | 2109 | rVB5 | 13514704 | 22458944  | 18.83%  | 0.932% |
| 75 | 14.343 | 2109 | 2112 | 2114 | rBV3 | 7442580  | 9789564   | 8.21%   | 0.406% |
| 76 | 14.408 | 2118 | 2123 | 2127 | rBV2 | 41285060 | 70373526  | 58.99%  | 2.920% |

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 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VCP-SS-7-SOIL

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 >

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Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
 Title : SW846 8260

|    |        |      |      |      |      |          |          |        |        |
|----|--------|------|------|------|------|----------|----------|--------|--------|
| 77 | 14.520 | 2138 | 2142 | 2146 | rBV  | 13488760 | 20014989 | 16.78% | 0.831% |
| 78 | 14.573 | 2146 | 2151 | 2156 | rVV4 | 23939484 | 41458092 | 34.75% | 1.720% |
| 79 | 14.626 | 2157 | 2160 | 2170 | rVB4 | 10838094 | 25810535 | 21.64% | 1.071% |
| 80 | 14.714 | 2171 | 2175 | 2180 | rBV3 | 12626695 | 22632448 | 18.97% | 0.939% |
| 81 | 14.832 | 2188 | 2195 | 2199 | rBV3 | 41096870 | 89446342 | 74.98% | 3.712% |
| 82 | 14.879 | 2199 | 2203 | 2210 | rVB5 | 20451610 | 43631330 | 36.58% | 1.811% |
| 83 | 15.090 | 2235 | 2239 | 2244 | rVB3 | 14311001 | 23702458 | 19.87% | 0.984% |
| 84 | 15.138 | 2244 | 2247 | 2252 | rVV2 | 5651888  | 8547026  | 7.16%  | 0.355% |
| 85 | 15.208 | 2253 | 2259 | 2265 | rVB3 | 13120415 | 29429126 | 24.67% | 1.221% |
| 86 | 15.361 | 2281 | 2285 | 2292 | rVB5 | 5649257  | 10379856 | 8.70%  | 0.431% |
| 87 | 15.455 | 2293 | 2301 | 2306 | rBV2 | 8851599  | 19639864 | 16.46% | 0.815% |
| 88 | 15.508 | 2307 | 2310 | 2312 | rBV2 | 1904713  | 2794613  | 2.34%  | 0.116% |
| 89 | 15.696 | 2335 | 2342 | 2349 | rVV  | 3438061  | 7341920  | 6.15%  | 0.305% |
| 90 | 15.773 | 2350 | 2355 | 2362 | rVV7 | 2163137  | 4789386  | 4.01%  | 0.199% |
| 91 | 15.861 | 2365 | 2370 | 2373 | rVV3 | 2292909  | 5445950  | 4.57%  | 0.226% |
| 92 | 15.902 | 2373 | 2377 | 2387 | rVV  | 5314719  | 10895393 | 9.13%  | 0.452% |
| 93 | 15.990 | 2389 | 2392 | 2398 | rVV4 | 733444   | 1242862  | 1.04%  | 0.052% |
| 94 | 16.073 | 2401 | 2406 | 2412 | rVB3 | 1192656  | 2474174  | 2.07%  | 0.103% |
| 95 | 16.226 | 2425 | 2432 | 2448 | rVB2 | 2285513  | 6153014  | 5.16%  | 0.255% |
| 96 | 16.420 | 2460 | 2465 | 2472 | rVB  | 1248335  | 2800444  | 2.35%  | 0.116% |
| 97 | 16.490 | 2473 | 2477 | 2490 | rVB6 | 453212   | 1547817  | 1.30%  | 0.064% |
| 98 | 16.696 | 2504 | 2512 | 2520 | rBV  | 2127280  | 5084858  | 4.26%  | 0.211% |

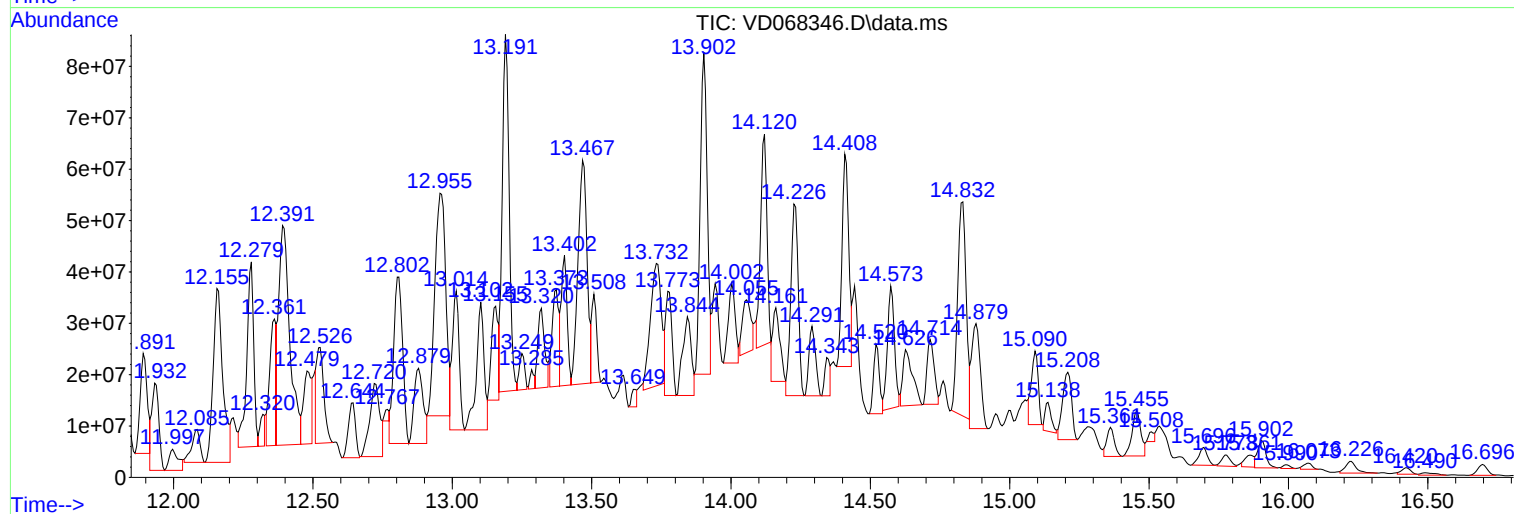
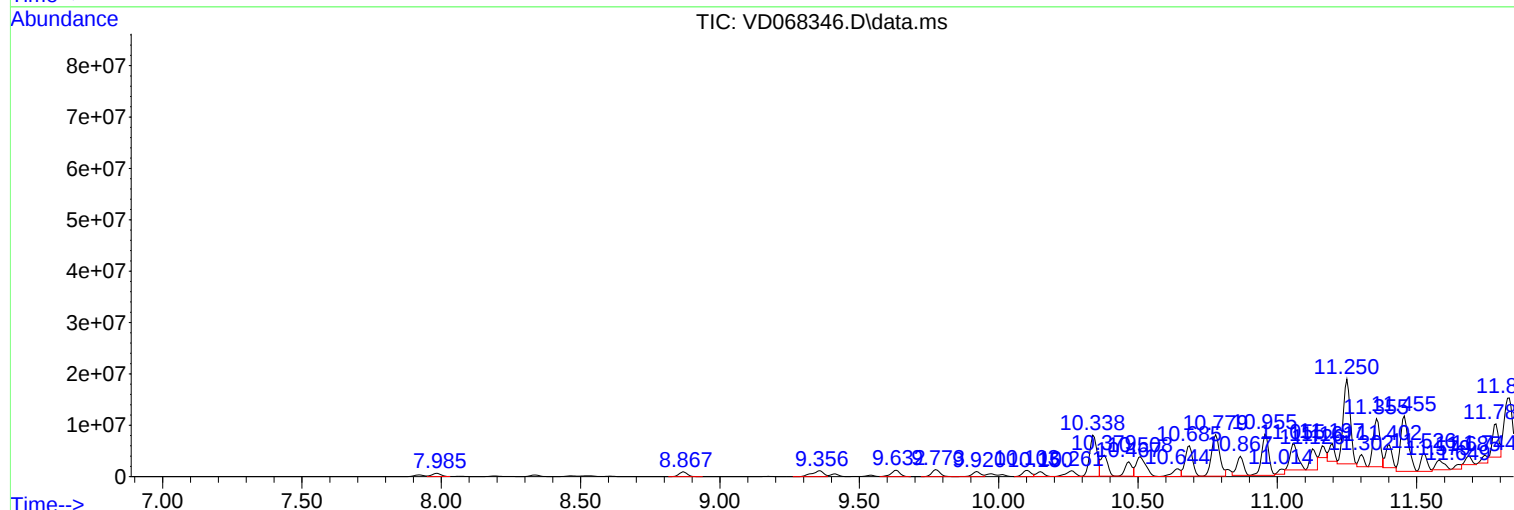
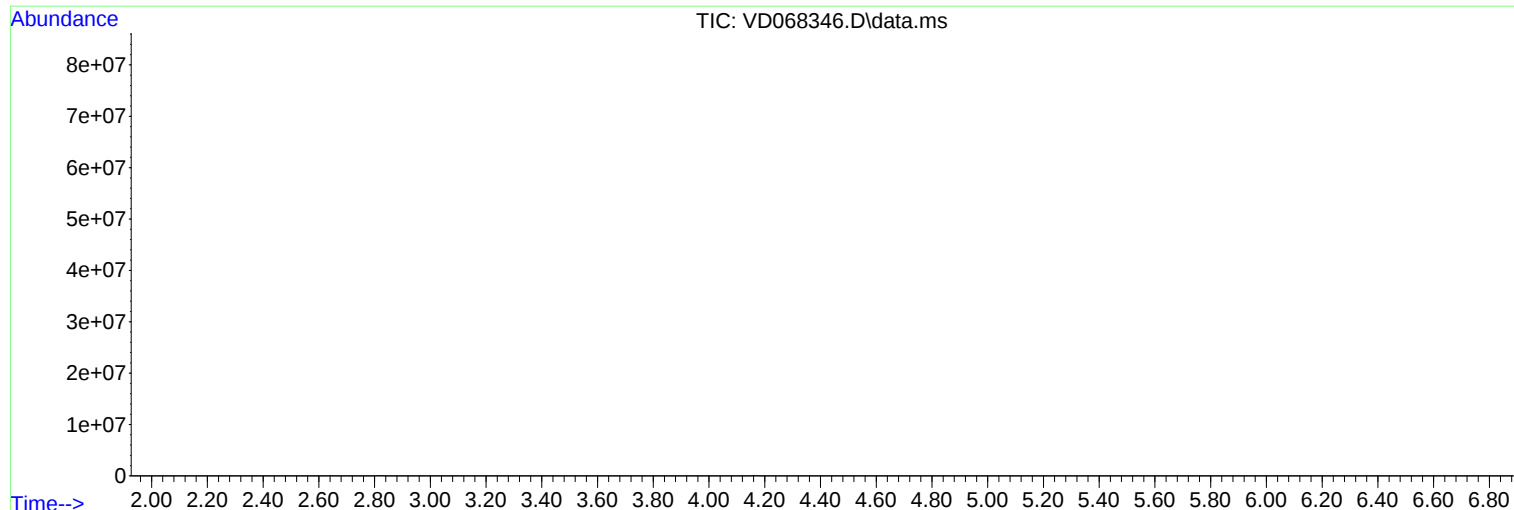
Sum of corrected areas: 2409831940

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021021\  
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MSVOA\_D  
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VCP-SS-7-SOIL

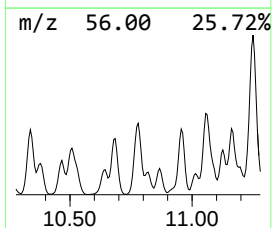
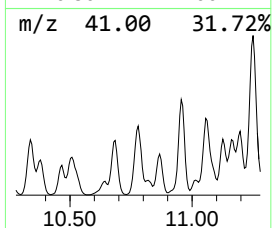
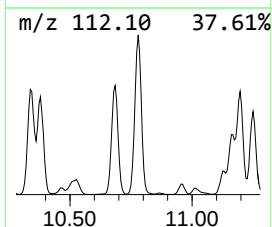
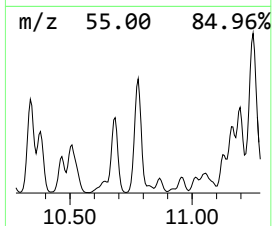
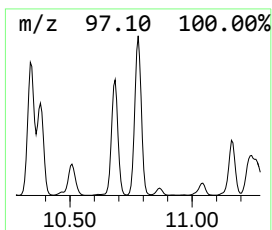
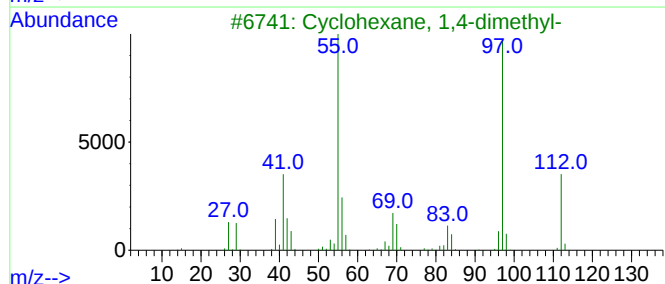
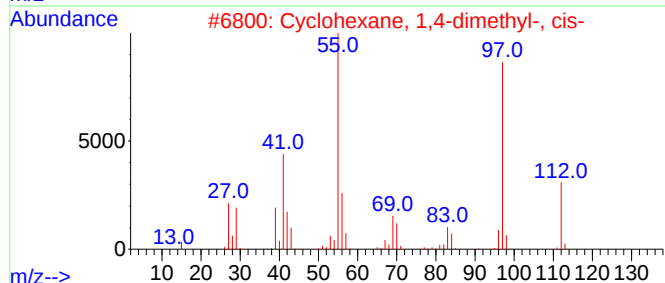
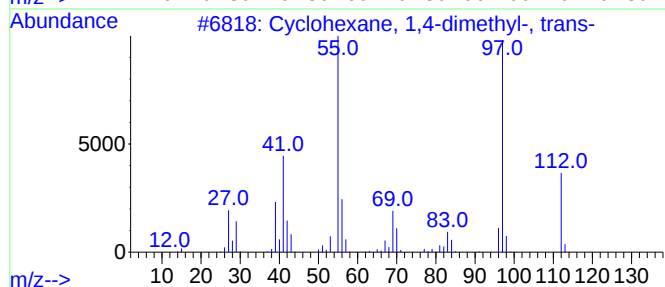
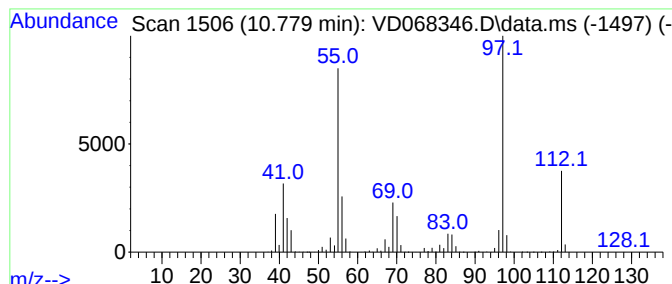
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Cyclohexane, 1,4-dimethyl-,... Concentration Rank 10

| R.T.   | EstConc     | Area     | Relative to ISTD | R.T.   |
|--------|-------------|----------|------------------|--------|
| 10.779 | 544.29 ug/l | 16748800 | Chlorobenzene-d5 | 11.650 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1,4-dimethyl-, trans-  | 112 | C8H16   | 002207-04-7 | 97   |
| 2    |    |   | Cyclohexane, 1,4-dimethyl-, cis-    | 112 | C8H16   | 000624-29-3 | 94   |
| 3    |    |   | Cyclohexane, 1,4-dimethyl-          | 112 | C8H16   | 000589-90-2 | 94   |
| 4    |    |   | Cyclohexane, 1,3-dimethyl-, trans-  | 112 | C8H16   | 002207-03-6 | 94   |
| 5    |    |   | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16   | 000583-57-3 | 91   |



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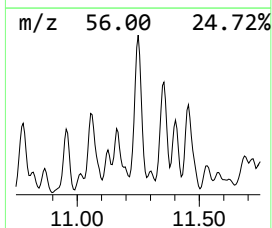
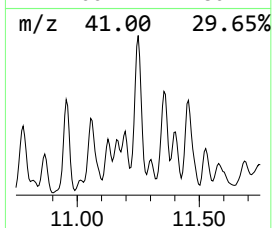
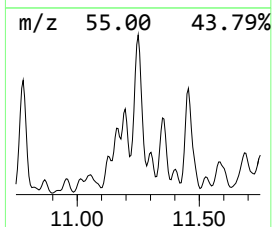
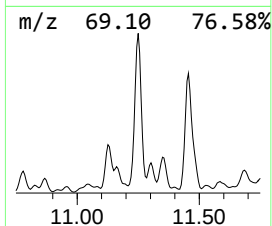
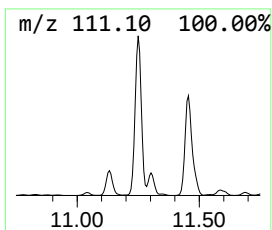
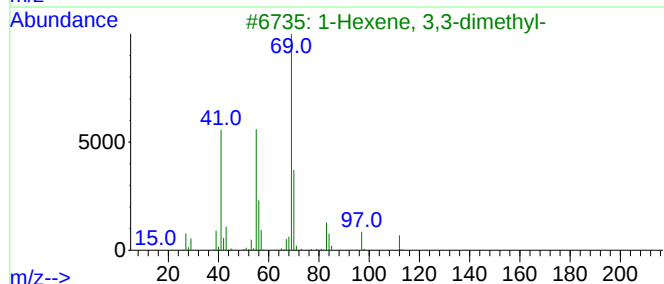
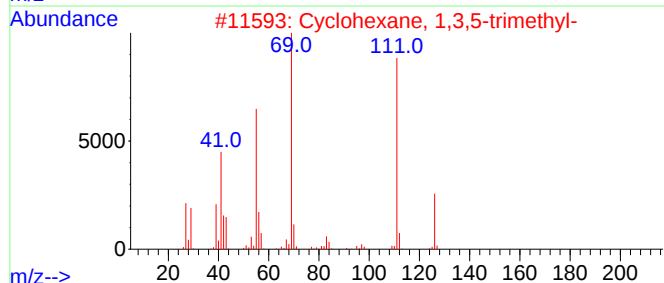
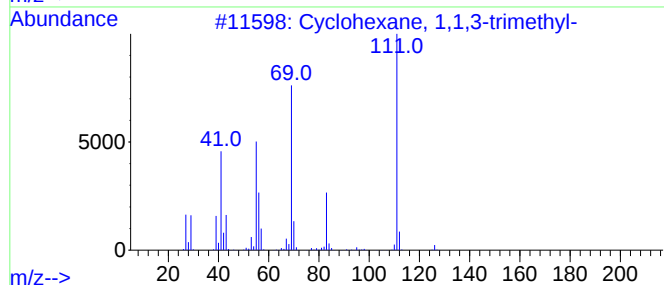
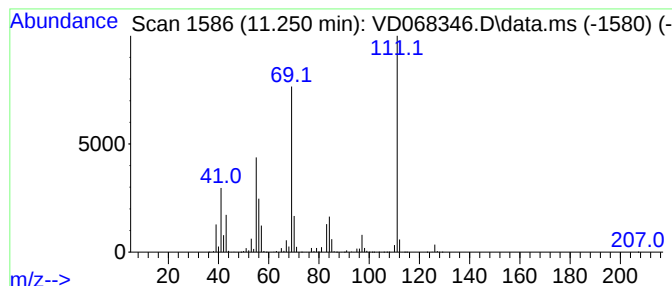
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 7

| R.T.   | EstConc     | Area     | Relative to ISTD | R.T.   |
|--------|-------------|----------|------------------|--------|
| 11.249 | 949.44 ug/l | 29215700 | Chlorobenzene-d5 | 11.650 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1,1,3-trimethyl- | 126 | C9H18   | 003073-66-3 | 87   |
| 2    |    |   | Cyclohexane, 1,3,5-trimethyl- | 126 | C9H18   | 001839-63-0 | 64   |
| 3    |    |   | 1-Hexene, 3,3-dimethyl-       | 112 | C8H16   | 003404-77-1 | 49   |
| 4    |    |   | Cyclooctane, butyl-           | 168 | C12H24  | 016538-93-5 | 47   |
| 5    |    |   | 3-Hexene, 2,5-dimethyl-       | 112 | C8H16   | 015910-22-2 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021021\  
Data File : VD068346.D  
Acq On : 10 Feb 2021 15:01  
Operator : VA/SY  
Sample : M1363-01  
Misc : 3.39G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VCP-SS-7-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

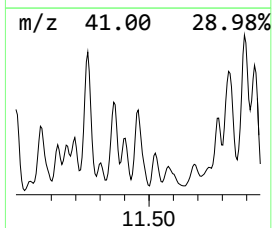
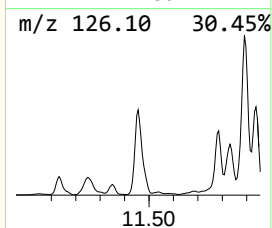
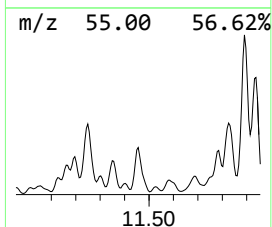
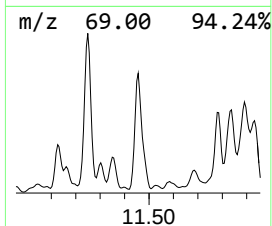
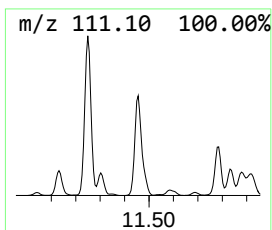
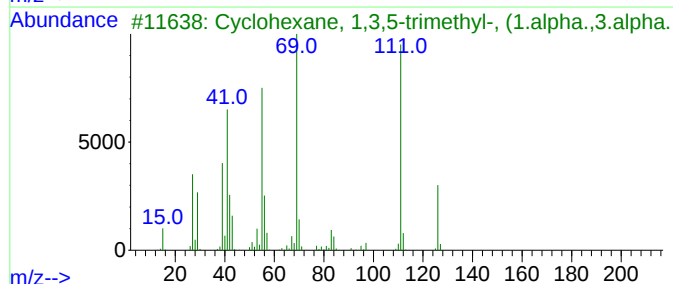
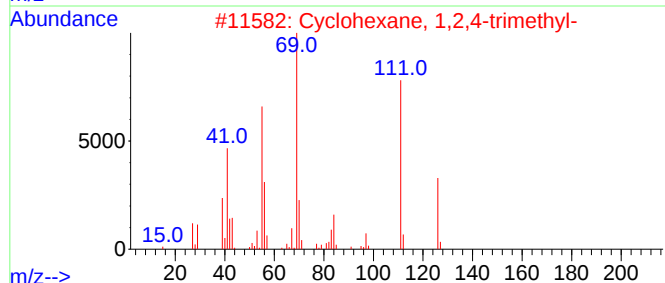
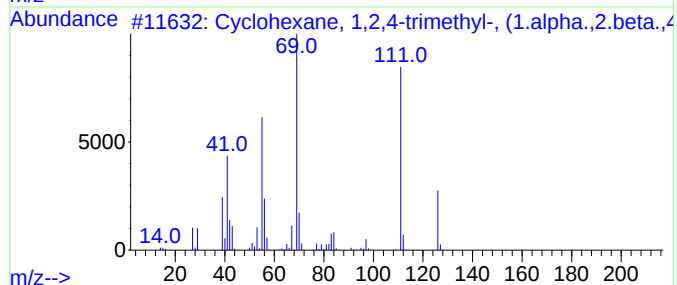
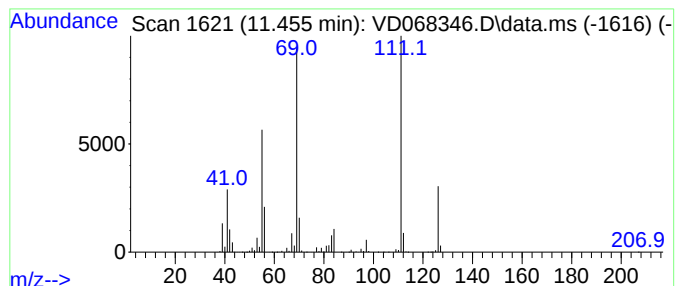
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Peak Number 3 Cyclohexane, 1,2,4-trimethyl... Concentration Rank 8

| R.T.   | EstConc     | Area     | Relative to ISTD | R.T.   |
|--------|-------------|----------|------------------|--------|
| 11.455 | 689.92 ug/l | 21230100 | Chlorobenzene-d5 | 11.650 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1,2,4-trimethyl-, (... | 126 | C9H18   | 007667-60-9 | 95   |
| 2    |    |   | Cyclohexane, 1,2,4-trimethyl-       | 126 | C9H18   | 002234-75-5 | 93   |
| 3    |    |   | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18   | 001795-26-2 | 91   |
| 4    |    |   | Cyclohexane, 1,3,5-trimethyl-       | 126 | C9H18   | 001839-63-0 | 90   |
| 5    |    |   | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18   | 001795-27-3 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021021\  
Data File : VD068346.D  
Acq On : 10 Feb 2021 15:01  
Operator : VA/SY  
Sample : M1363-01  
Misc : 3.39G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VCP-SS-7-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
Quant Title : SW846 8260

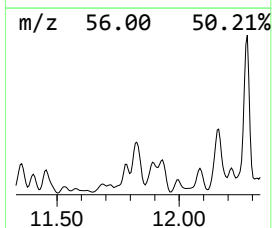
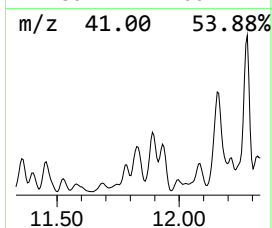
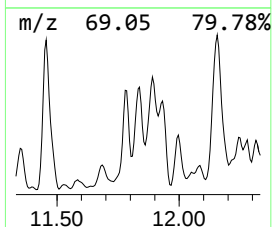
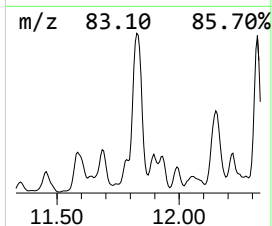
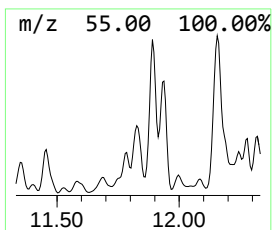
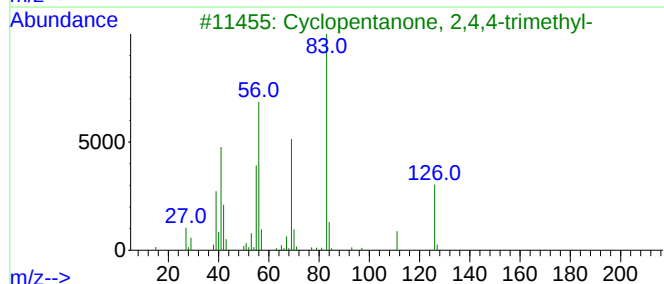
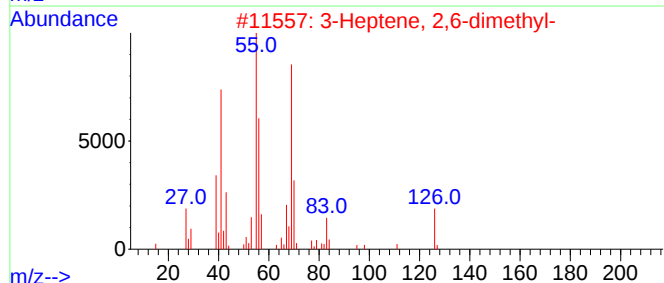
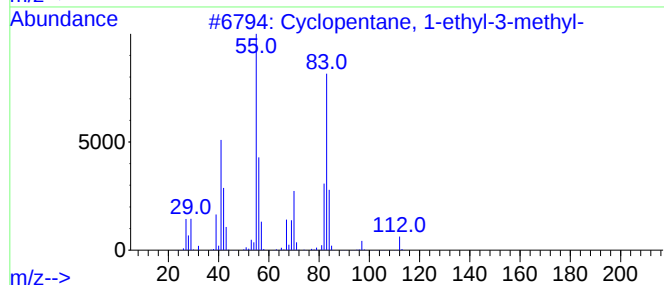
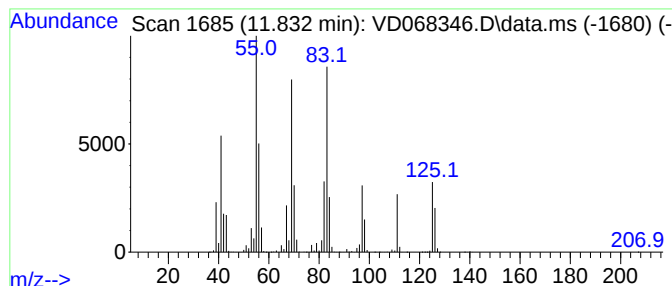
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Cyclopentane, 1-ethyl-3-met... Concentration Rank 9

| R.T.   | EstConc     | Area     | Relative to ISTD | R.T.   |
|--------|-------------|----------|------------------|--------|
| 11.832 | 669.50 ug/l | 20601600 | Chlorobenzene-d5 | 11.650 |

| Hit# | of 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------------|-----|---------|-------------|------|
| 1    |      | Cyclopentane, 1-ethyl-3-methyl-  | 112 | C8H16   | 003726-47-4 | 50   |
| 2    |      | 3-Heptene, 2,6-dimethyl-         | 126 | C9H18   | 002738-18-3 | 46   |
| 3    |      | Cyclopentanone, 2,4,4-trimethyl- | 126 | C8H14O  | 004694-12-6 | 38   |
| 4    |      | Cyclohexane, 1,2,4-trimethyl-    | 126 | C9H18   | 002234-75-5 | 35   |
| 5    |      | 2,2-Dimethyl-3-heptene trans     | 126 | C9H18   | 019550-75-5 | 30   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021021\  
Data File : VD068346.D  
Acq On : 10 Feb 2021 15:01  
Operator : VA/SY  
Sample : M1363-01  
Misc : 3.39G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VCP-SS-7-SOIL

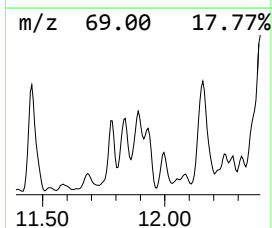
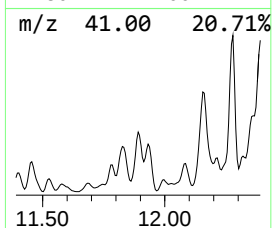
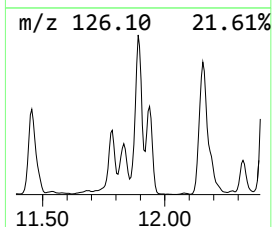
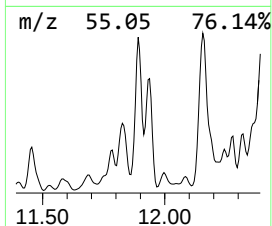
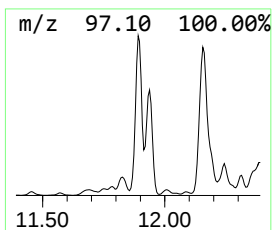
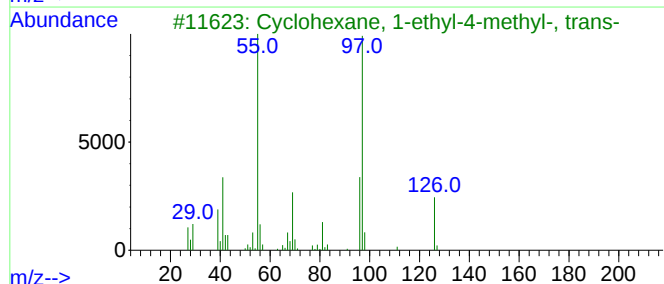
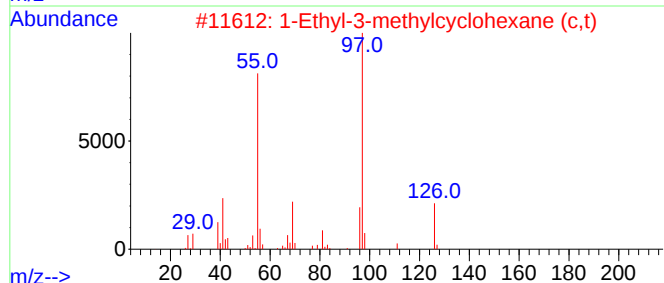
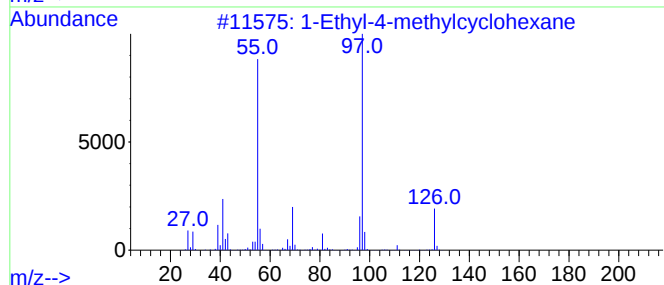
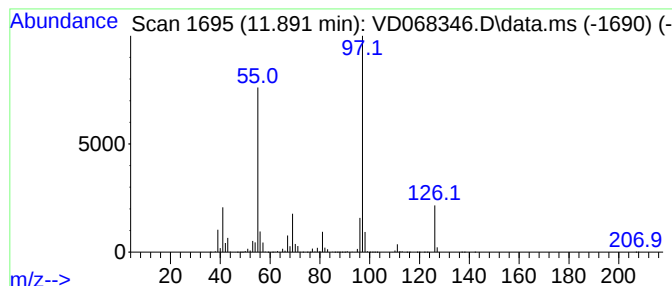
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 1-Ethyl-4-methylcyclohexane Concentration Rank 5

| R.T.      | EstConc                             | Area     | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|----------|------------------|-------------|------|
| 11.891    | 1129.88 ug/l                        | 34768300 | Chlorobenzene-d5 | 11.650      |      |
| Hit# of 5 | Tentative ID                        | MW       | MolForm          | CAS#        | Qual |
| 1         | 1-Ethyl-4-methylcyclohexane         | 126      | C9H18            | 003728-56-1 | 95   |
| 2         | 1-Ethyl-3-methylcyclohexane (c,t)   | 126      | C9H18            | 003728-55-0 | 91   |
| 3         | Cyclohexane, 1-ethyl-4-methyl-, ... | 126      | C9H18            | 006236-88-0 | 87   |
| 4         | 3,5-Dimethyl-3-heptene              | 126      | C9H18            | 059643-68-4 | 81   |
| 5         | Cyclohexane, 1-ethyl-2-methyl-      | 126      | C9H18            | 003728-54-9 | 80   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021021\  
Data File : VD068346.D  
Acq On : 10 Feb 2021 15:01  
Operator : VA/SY  
Sample : M1363-01  
Misc : 3.39G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VCP-SS-7-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
Quant Title : SW846 8260

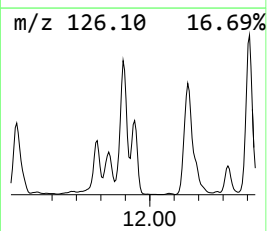
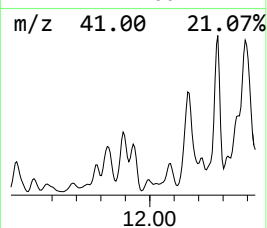
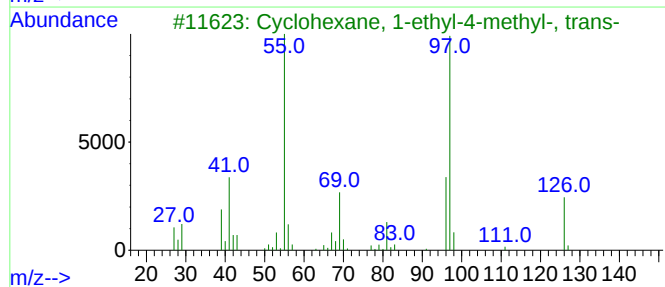
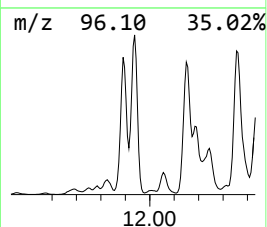
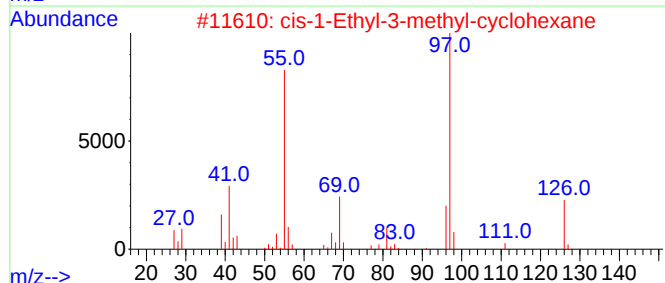
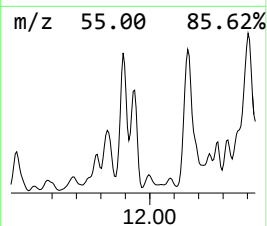
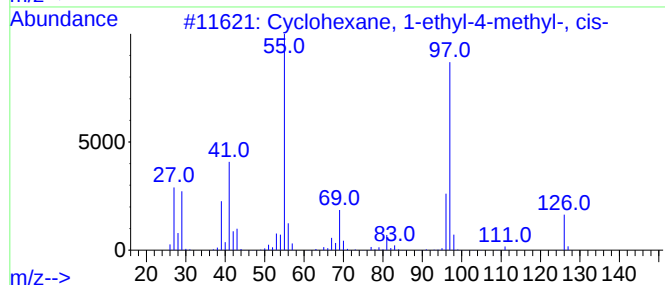
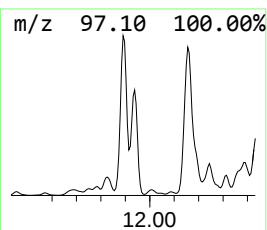
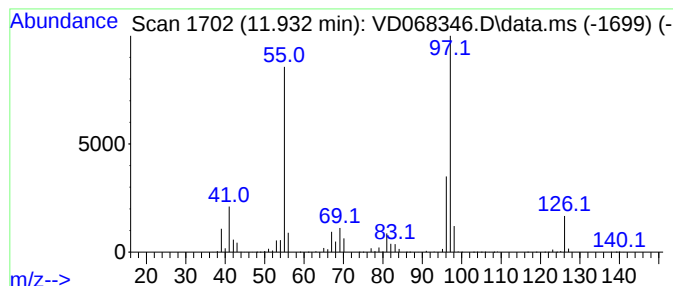
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TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc     | Area     | Relative to ISTD | R.T.   |
|--------|-------------|----------|------------------|--------|
| 11.932 | 955.68 ug/l | 29407900 | Chlorobenzene-d5 | 11.650 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 004926-78-7 | 90   |
| 2    |    |   | cis-1-Ethyl-3-methyl-cyclohexane    | 126 | C9H18   | 019489-10-2 | 87   |
| 3    |    |   | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 006236-88-0 | 87   |
| 4    |    |   | Ethanone, 1-(1-methylcyclohexyl)-   | 140 | C9H16O  | 002890-62-2 | 87   |
| 5    |    |   | 1-Ethyl-3-methylcyclohexane (c,t)   | 126 | C9H18   | 003728-55-0 | 83   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021021\  
Data File : VD068346.D  
Acq On : 10 Feb 2021 15:01  
Operator : VA/SY  
Sample : M1363-01  
Misc : 3.39G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VCP-SS-7-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

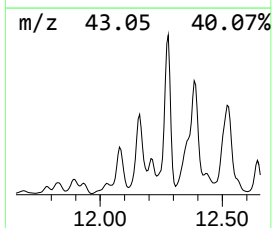
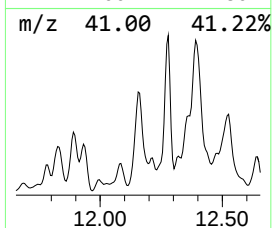
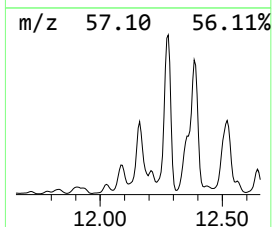
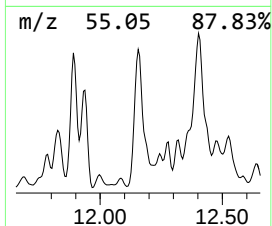
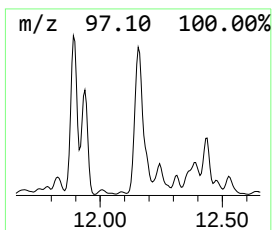
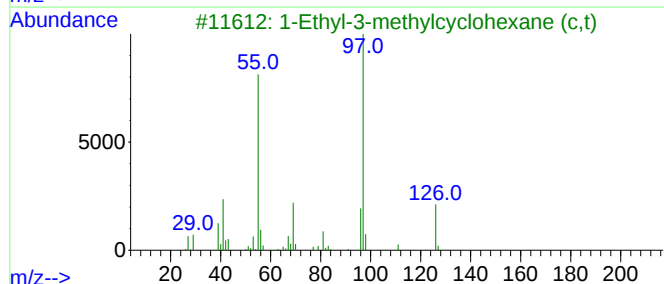
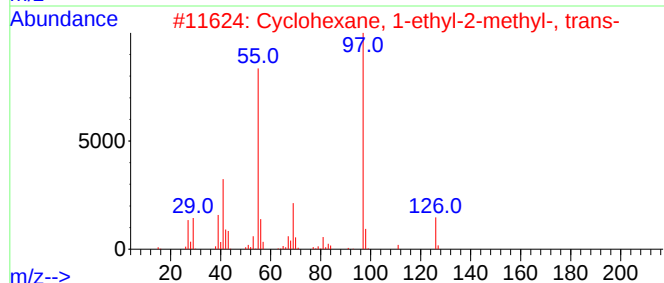
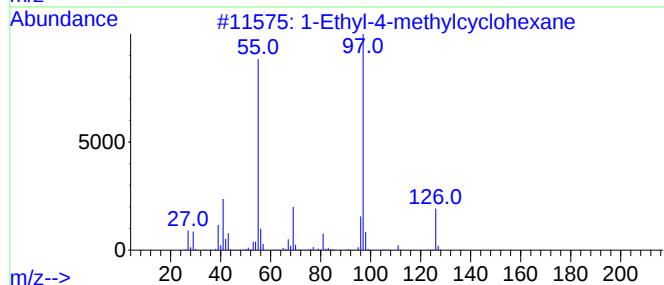
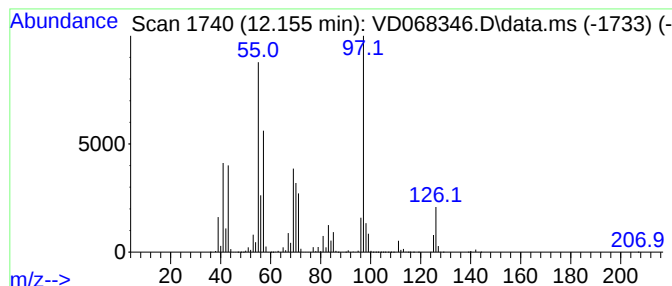
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Peak Number 7 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 2

| R.T.   | EstConc      | Area     | Relative to ISTD | R.T.   |
|--------|--------------|----------|------------------|--------|
| 12.155 | 2675.81 ug/l | 82339200 | Chlorobenzene-d5 | 11.650 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | 1-Ethyl-4-methylcyclohexane         | 126 | C9H18   | 003728-56-1 | 70   |
| 2    |      | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18   | 004923-78-8 | 58   |
| 3    |      | 1-Ethyl-3-methylcyclohexane (c,t)   | 126 | C9H18   | 003728-55-0 | 58   |
| 4    |      | cis-1-Ethyl-3-methyl-cyclohexane    | 126 | C9H18   | 019489-10-2 | 52   |
| 5    |      | 3,5-Dimethyl-3-heptene              | 126 | C9H18   | 059643-68-4 | 52   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021021\  
Data File : VD068346.D  
Acq On : 10 Feb 2021 15:01  
Operator : VA/SY  
Sample : M1363-01  
Misc : 3.39G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VCP-SS-7-SOIL

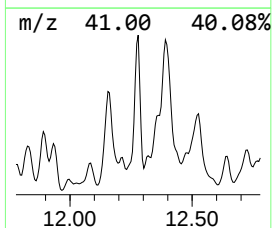
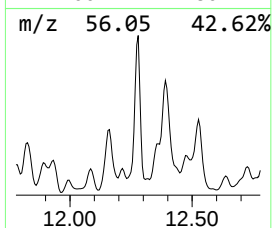
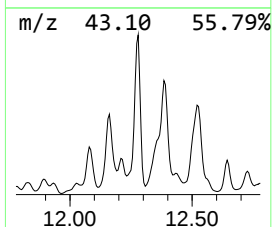
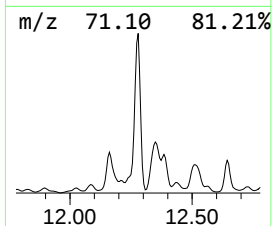
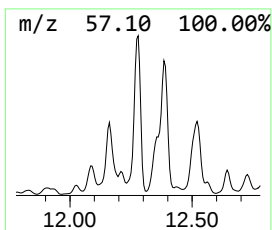
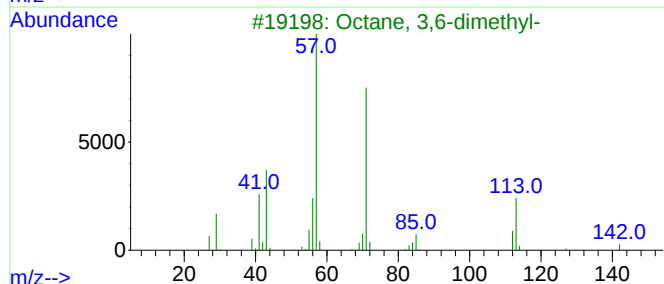
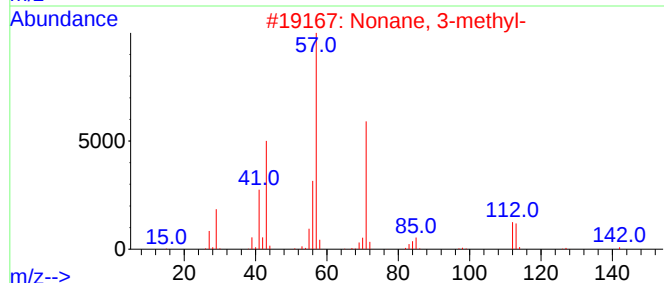
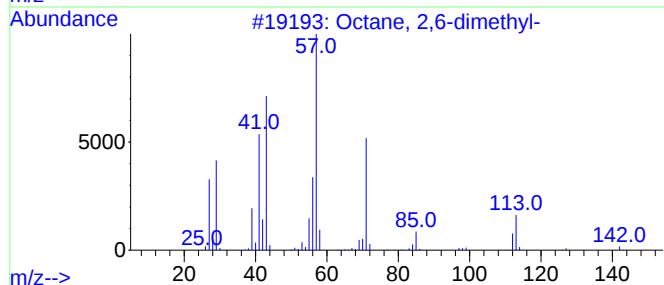
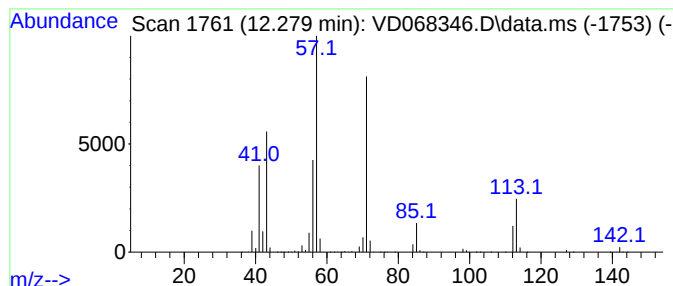
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Octane, 2,6-dimethyl- Concentration Rank 3

| R.T.   | EstConc      | Area     | Relative to ISTD | R.T.   |
|--------|--------------|----------|------------------|--------|
| 12.279 | 2006.37 ug/l | 61739200 | Chlorobenzene-d5 | 11.650 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Octane, 2,6-dimethyl-               | 142 | C10H22    | 002051-30-1  | 91   |
| 2    |    |   | Nonane, 3-methyl-                   | 142 | C10H22    | 005911-04-6  | 87   |
| 3    |    |   | Octane, 3,6-dimethyl-               | 142 | C10H22    | 015869-94-0  | 81   |
| 4    |    |   | Sulfurous acid, 2-ethylhexyl hex... | 418 | C24H50O3S | 1000309-19-9 | 72   |
| 5    |    |   | Undecane, 6,6-dimethyl-             | 184 | C13H28    | 017312-76-4  | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021021\  
Data File : VD068346.D  
Acq On : 10 Feb 2021 15:01  
Operator : VA/SY  
Sample : M1363-01  
Misc : 3.39G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VCP-SS-7-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

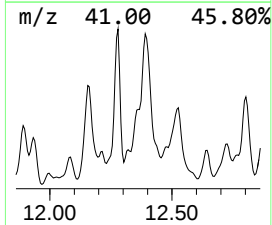
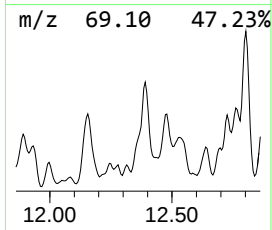
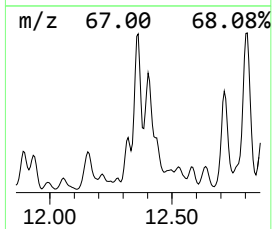
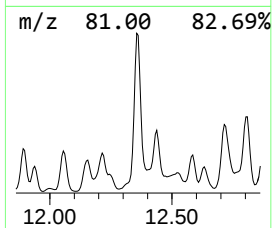
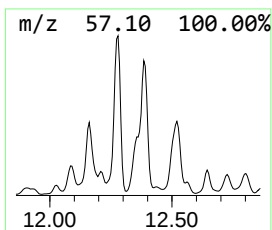
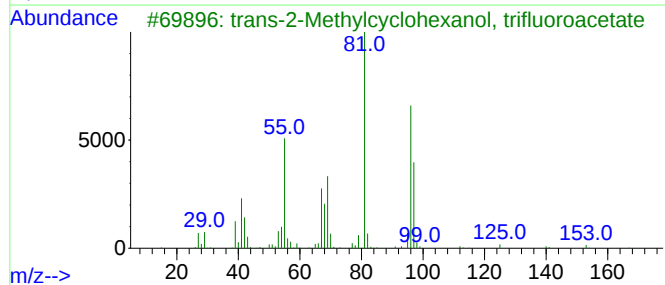
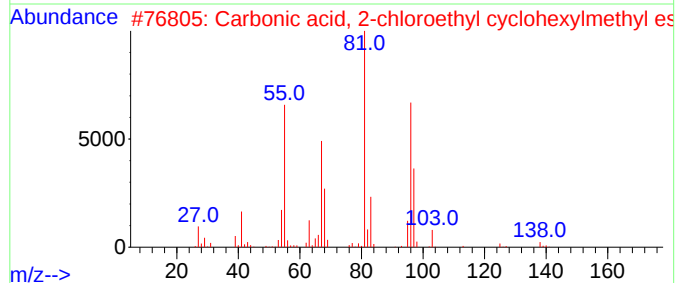
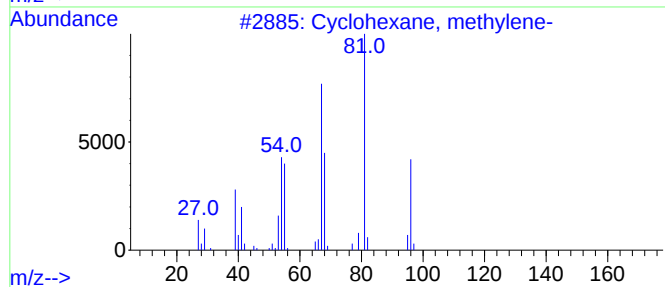
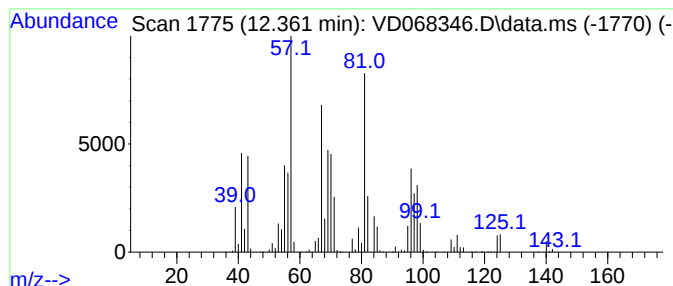
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Peak Number 9 unknown12.361 Concentration Rank 4

| R.T.   | EstConc      | Area     | Relative to ISTD | R.T.   |
|--------|--------------|----------|------------------|--------|
| 12.361 | 1310.41 ug/l | 40323500 | Chlorobenzene-d5 | 11.650 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Cyclohexane, methylene-             | 96  | C7H12       | 001192-37-6  | 49   |
| 2    |    |   | Carbonic acid, 2-chloroethyl cyc... | 220 | C10H17ClO3  | 1000357-88-3 | 47   |
| 3    |    |   | trans-2-Methylcyclohexanol, trif... | 210 | C9H13F3O2   | 1000364-13-3 | 43   |
| 4    |    |   | cis-2-Methylcyclohexanol, triflu... | 210 | C9H13F3O2   | 1000364-12-3 | 43   |
| 5    |    |   | trans-2-Methylcyclohexanol, chlo... | 226 | C9H13ClF2O2 | 1000376-26-0 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021021\  
Data File : VD068346.D  
Acq On : 10 Feb 2021 15:01  
Operator : VA/SY  
Sample : M1363-01  
Misc : 3.39G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VCP-SS-7-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

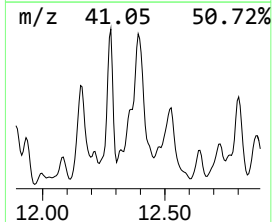
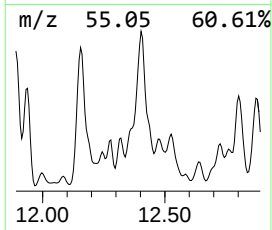
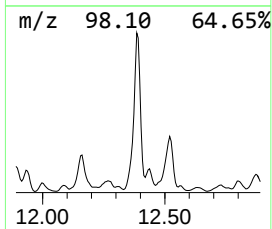
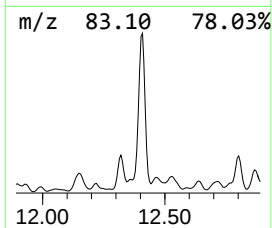
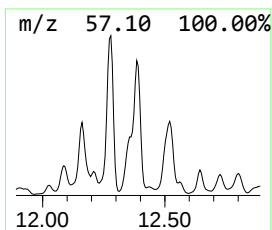
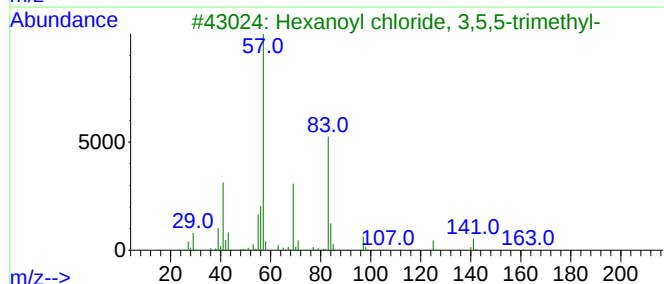
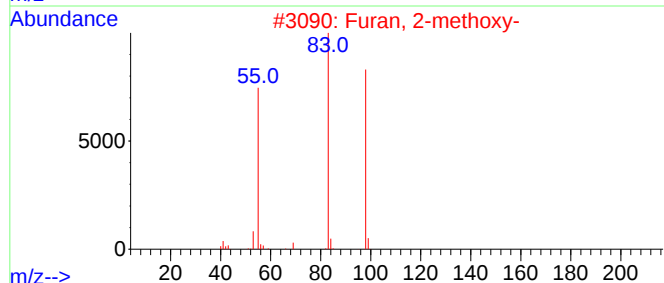
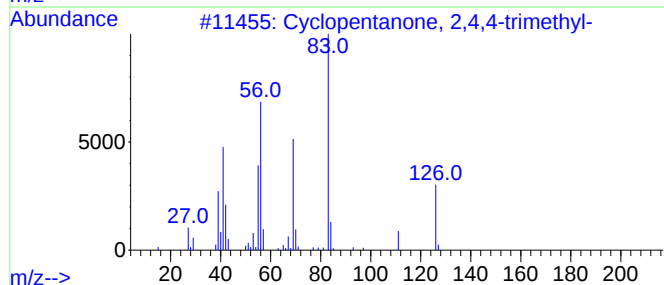
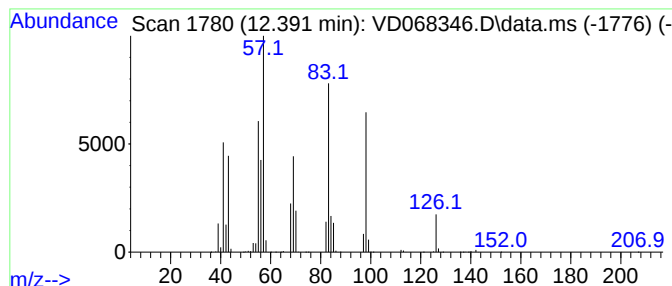
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Peak Number 10 unknown12.391 Concentration Rank 1

| R.T.   | EstConc      | Area      | Relative to ISTD | R.T.   |
|--------|--------------|-----------|------------------|--------|
| 12.391 | 3876.59 ug/l | 119289000 | Chlorobenzene-d5 | 11.650 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|------|-------------------------------------|-----|----------|--------------|------|
| 1    |      | Cyclopentanone, 2,4,4-trimethyl-    | 126 | C8H14O   | 004694-12-6  | 46   |
| 2    |      | Furan, 2-methoxy-                   | 98  | C5H6O2   | 025414-22-6  | 38   |
| 3    |      | Hexanoyl chloride, 3,5,5-trimethyl- | 176 | C9H17ClO | 036727-29-4  | 38   |
| 4    |      | Cyclohexanone, 2-ethyl-             | 126 | C8H14O   | 004423-94-3  | 38   |
| 5    |      | But-3-en-1-ynyl methyl sulfide      | 98  | C5H6S    | 1000298-90-8 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021021\  
Data File : VD068346.D  
Acq On : 10 Feb 2021 15:01  
Operator : VA/SY  
Sample : M1363-01  
Misc : 3.39G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VCP-SS-7-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response  | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|-----------|-----------------------|--------|---------|------|
|                    |        |         |       |           | #                     | RT     | Resp    | Conc |
| Cyclohexane, 1,... | 10.779 | 544.3   | ug/l  | 16748800  | 3                     | 11.650 | 1538580 | 50.0 |
| Cyclohexane, 1,... | 11.249 | 949.4   | ug/l  | 29215700  | 3                     | 11.650 | 1538580 | 50.0 |
| Cyclohexane, 1,... | 11.455 | 689.9   | ug/l  | 21230100  | 3                     | 11.650 | 1538580 | 50.0 |
| Cyclopentane, 1... | 11.832 | 669.5   | ug/l  | 20601600  | 3                     | 11.650 | 1538580 | 50.0 |
| 1-Ethyl-4-methy... | 11.891 | 1129.9  | ug/l  | 34768300  | 3                     | 11.650 | 1538580 | 50.0 |
| Cyclohexane, 1-... | 11.932 | 955.7   | ug/l  | 29407900  | 3                     | 11.650 | 1538580 | 50.0 |
| Cyclohexane, 1-... | 12.155 | 2675.8  | ug/l  | 82339200  | 3                     | 11.650 | 1538580 | 50.0 |
| Octane, 2,6-dim... | 12.279 | 2006.4  | ug/l  | 61739200  | 3                     | 11.650 | 1538580 | 50.0 |
| unknown12.361      | 12.361 | 1310.4  | ug/l  | 40323500  | 3                     | 11.650 | 1538580 | 50.0 |
| unknown12.391      | 12.391 | 3876.6  | ug/l  | 119289000 | 3                     | 11.650 | 1538580 | 50.0 |