

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061421\  
 Data File : VD069436.D  
 Acq On : 14 Jun 2021 19:38  
 Operator : VA/SY  
 Sample : M2709-08  
 Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 0247-AMND-COMP-L

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\82D061121S.M  
 Title : SW846 8260

Signal : TIC: VD069436.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         | 2.497       | 92            | 98          | 105          | rBV2     | 12705          | 28730         | 1.99%           | 0.145%        |
| 2         | 4.162       | 369           | 381         | 389          | rBV2     | 16761          | 51221         | 3.55%           | 0.259%        |
| 3         | 4.238       | 389           | 394         | 400          | rVB4     | 10525          | 26180         | 1.82%           | 0.132%        |
| 4         | 4.403       | 414           | 422         | 432          | rBV2     | 12153          | 38343         | 2.66%           | 0.194%        |
| 5         | 4.962       | 505           | 517         | 532          | rBV9     | 15997          | 56538         | 3.92%           | 0.286%        |
| 6         | 7.197       | 886           | 897         | 910          | rBV3     | 20854          | 58842         | 4.08%           | 0.297%        |
| 7         | 7.914       | 1007          | 1019        | 1024         | rBV      | 163750         | 378643        | 26.28%          | 1.912%        |
| 8         | 7.979       | 1024          | 1030        | 1039         | rVV      | 220942         | 520422        | 36.12%          | 2.628%        |
| 9         | 8.061       | 1039          | 1044        | 1052         | rVB5     | 11955          | 26242         | 1.82%           | 0.133%        |
| 10        | 8.185       | 1059          | 1065        | 1072         | rBV5     | 8067           | 15812         | 1.10%           | 0.080%        |
| 11        | 8.332       | 1080          | 1090        | 1102         | rVB2     | 162383         | 382947        | 26.58%          | 1.934%        |
| 12        | 8.450       | 1104          | 1110        | 1116         | rBV5     | 10104          | 23722         | 1.65%           | 0.120%        |
| 13        | 8.597       | 1129          | 1135        | 1142         | rVB7     | 10672          | 24240         | 1.68%           | 0.122%        |
| 14        | 8.867       | 1172          | 1181        | 1190         | rVB      | 346295         | 716775        | 49.75%          | 3.620%        |
| 15        | 9.356       | 1251          | 1264        | 1269         | rBV4     | 65203          | 173897        | 12.07%          | 0.878%        |
| 16        | 9.403       | 1269          | 1272        | 1282         | rVV6     | 25583          | 51842         | 3.60%           | 0.262%        |
| 17        | 9.626       | 1301          | 1310        | 1317         | rVB3     | 28305          | 64336         | 4.47%           | 0.325%        |
| 18        | 9.767       | 1328          | 1334        | 1343         | rBV5     | 39931          | 80940         | 5.62%           | 0.409%        |
| 19        | 9.908       | 1349          | 1358        | 1364         | rBV4     | 32642          | 71651         | 4.97%           | 0.362%        |
| 20        | 9.961       | 1364          | 1367        | 1374         | rVB4     | 17437          | 29900         | 2.08%           | 0.151%        |
| 21        | 10.097      | 1383          | 1390        | 1394         | rBV6     | 25136          | 53447         | 3.71%           | 0.270%        |
| 22        | 10.144      | 1394          | 1398        | 1407         | rVB3     | 19755          | 38293         | 2.66%           | 0.193%        |
| 23        | 10.226      | 1407          | 1412        | 1415         | rBV5     | 12996          | 25564         | 1.77%           | 0.129%        |
| 24        | 10.261      | 1415          | 1418        | 1423         | rVB4     | 18051          | 27589         | 1.91%           | 0.139%        |
| 25        | 10.338      | 1423          | 1431        | 1445         | rBV      | 734147         | 1440847       | 100.00%         | 7.277%        |
| 26        | 10.461      | 1445          | 1452        | 1454         | rBV6     | 18347          | 32207         | 2.24%           | 0.163%        |
| 27        | 10.503      | 1454          | 1459        | 1471         | rVB6     | 57839          | 167543        | 11.63%          | 0.846%        |
| 28        | 10.632      | 1471          | 1481        | 1484         | rBV8     | 27979          | 60739         | 4.22%           | 0.307%        |
| 29        | 10.679      | 1484          | 1489        | 1499         | rVB2     | 79344          | 145967        | 10.13%          | 0.737%        |
| 30        | 10.773      | 1499          | 1505        | 1511         | rBV3     | 55517          | 137212        | 9.52%           | 0.693%        |
| 31        | 10.861      | 1515          | 1520        | 1525         | rVB2     | 47600          | 84036         | 5.83%           | 0.424%        |
| 32        | 10.914      | 1525          | 1529        | 1532         | rBV5     | 12800          | 20786         | 1.44%           | 0.105%        |
| 33        | 10.944      | 1532          | 1534        | 1541         | rVB4     | 11269          | 18779         | 1.30%           | 0.095%        |
| 34        | 11.050      | 1541          | 1552        | 1560         | rBV2     | 79907          | 220316        | 15.29%          | 1.113%        |
| 35        | 11.120      | 1560          | 1564        | 1567         | rBV3     | 35535          | 54612         | 3.79%           | 0.276%        |
| 36        | 11.191      | 1571          | 1576        | 1580         | rBV      | 82031          | 121598        | 8.44%           | 0.614%        |

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 Sample : M2709-08  
 Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 0247-AMND-COMP-L

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\82D061121S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 37 | 11.244 | 1580 | 1585 | 1590 | rVB  | 269368 | 464042  | 32.21% | 2.344% |
| 38 | 11.297 | 1590 | 1594 | 1598 | rVB2 | 33231  | 46317   | 3.21%  | 0.234% |
| 39 | 11.350 | 1598 | 1603 | 1608 | rBV3 | 148374 | 255917  | 17.76% | 1.292% |
| 40 | 11.391 | 1608 | 1610 | 1615 | rVB2 | 47495  | 56160   | 3.90%  | 0.284% |
| 41 | 11.450 | 1615 | 1620 | 1628 | rVB4 | 116682 | 205624  | 14.27% | 1.038% |
| 42 | 11.520 | 1628 | 1632 | 1636 | rBV2 | 28038  | 38938   | 2.70%  | 0.197% |
| 43 | 11.561 | 1636 | 1639 | 1644 | rBV6 | 10354  | 14928   | 1.04%  | 0.075% |
| 44 | 11.638 | 1645 | 1652 | 1662 | rVB  | 618832 | 1120072 | 77.74% | 5.657% |
| 45 | 11.738 | 1664 | 1669 | 1671 | rBV4 | 9488   | 17116   | 1.19%  | 0.086% |
| 46 | 11.773 | 1671 | 1675 | 1679 | rBV2 | 60873  | 101962  | 7.08%  | 0.515% |
| 47 | 11.826 | 1679 | 1684 | 1689 | rVB4 | 80488  | 157005  | 10.90% | 0.793% |
| 48 | 11.885 | 1689 | 1694 | 1698 | rBV  | 142834 | 283239  | 19.66% | 1.430% |
| 49 | 11.985 | 1706 | 1711 | 1714 | rBV4 | 42285  | 75744   | 5.26%  | 0.383% |
| 50 | 12.050 | 1718 | 1722 | 1724 | rBV3 | 31019  | 51752   | 3.59%  | 0.261% |
| 51 | 12.150 | 1731 | 1739 | 1745 | rBV3 | 248116 | 627284  | 43.54% | 3.168% |
| 52 | 12.202 | 1746 | 1748 | 1750 | rVV3 | 49079  | 57144   | 3.97%  | 0.289% |
| 53 | 12.232 | 1751 | 1753 | 1762 | rVB4 | 75008  | 178642  | 12.40% | 0.902% |
| 54 | 12.355 | 1762 | 1774 | 1775 | rBV5 | 271332 | 671046  | 46.57% | 3.389% |
| 55 | 12.373 | 1775 | 1777 | 1784 | rVV2 | 261779 | 508351  | 35.28% | 2.567% |
| 56 | 12.450 | 1785 | 1790 | 1795 | rVV8 | 105369 | 204693  | 14.21% | 1.034% |
| 57 | 12.573 | 1807 | 1811 | 1814 | rVB  | 66193  | 96049   | 6.67%  | 0.485% |
| 58 | 12.626 | 1814 | 1820 | 1826 | rVB  | 650079 | 1067502 | 74.09% | 5.391% |
| 59 | 12.714 | 1826 | 1835 | 1840 | rBV7 | 117383 | 356098  | 24.71% | 1.798% |
| 60 | 12.791 | 1843 | 1848 | 1854 | rVB3 | 336657 | 640651  | 44.46% | 3.235% |
| 61 | 12.879 | 1854 | 1863 | 1868 | rBV7 | 142331 | 487550  | 33.84% | 2.462% |
| 62 | 12.949 | 1869 | 1875 | 1881 | rBV8 | 206536 | 508119  | 35.27% | 2.566% |
| 63 | 13.091 | 1895 | 1899 | 1903 | rVB4 | 136283 | 220069  | 15.27% | 1.111% |
| 64 | 13.138 | 1903 | 1907 | 1909 | rBV2 | 60996  | 94285   | 6.54%  | 0.476% |
| 65 | 13.179 | 1910 | 1914 | 1917 | rBV2 | 126078 | 172446  | 11.97% | 0.871% |
| 66 | 13.273 | 1926 | 1930 | 1933 | rBV4 | 96167  | 167401  | 11.62% | 0.845% |
| 67 | 13.302 | 1933 | 1935 | 1938 | rVV3 | 53518  | 73749   | 5.12%  | 0.372% |
| 68 | 13.397 | 1947 | 1951 | 1952 | rBV4 | 49176  | 66476   | 4.61%  | 0.336% |
| 69 | 13.497 | 1965 | 1968 | 1971 | rVB6 | 45361  | 47884   | 3.32%  | 0.242% |
| 70 | 13.567 | 1974 | 1980 | 1990 | rVB  | 639585 | 1174753 | 81.53% | 5.933% |
| 71 | 13.708 | 1998 | 2004 | 2008 | rVB5 | 118153 | 217513  | 15.10% | 1.099% |
| 72 | 13.749 | 2009 | 2011 | 2017 | rBV5 | 34567  | 49760   | 3.45%  | 0.251% |
| 73 | 13.832 | 2022 | 2025 | 2028 | rBV4 | 39721  | 65982   | 4.58%  | 0.333% |
| 74 | 13.891 | 2029 | 2035 | 2040 | rBV3 | 309359 | 578676  | 40.16% | 2.922% |
| 75 | 13.991 | 2049 | 2052 | 2056 | rBV6 | 80915  | 154793  | 10.74% | 0.782% |
| 76 | 14.208 | 2084 | 2089 | 2093 | rBV7 | 64771  | 139802  | 9.70%  | 0.706% |

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 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 0247-AMND-COMP-L

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\82D061121S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 77 | 14.273 | 2096 | 2100 | 2107 | rVV7 | 149582 | 339743 | 23.58% | 1.716% |
| 78 | 14.332 | 2108 | 2110 | 2115 | rVV6 | 64315  | 114804 | 7.97%  | 0.580% |
| 79 | 14.396 | 2116 | 2121 | 2123 | rVV3 | 188665 | 322944 | 22.41% | 1.631% |
| 80 | 14.426 | 2123 | 2126 | 2136 | rVB  | 195387 | 412384 | 28.62% | 2.083% |
| 81 | 14.538 | 2141 | 2145 | 2146 | rVV  | 92376  | 125910 | 8.74%  | 0.636% |
| 82 | 14.561 | 2146 | 2149 | 2153 | rVB3 | 147828 | 214382 | 14.88% | 1.083% |
| 83 | 14.755 | 2178 | 2182 | 2186 | rBV7 | 41732  | 69834  | 4.85%  | 0.353% |
| 84 | 14.820 | 2187 | 2193 | 2197 | rVV6 | 111224 | 262814 | 18.24% | 1.327% |
| 85 | 14.867 | 2198 | 2201 | 2207 | rVB7 | 113401 | 189700 | 13.17% | 0.958% |
| 86 | 15.085 | 2234 | 2238 | 2242 | rVB4 | 104054 | 167009 | 11.59% | 0.843% |
| 87 | 15.143 | 2244 | 2248 | 2252 | rBV3 | 92107  | 170774 | 11.85% | 0.862% |
| 88 | 15.355 | 2279 | 2284 | 2290 | rVB5 | 99407  | 190270 | 13.21% | 0.961% |
| 89 | 15.432 | 2293 | 2297 | 2300 | rBV5 | 70201  | 127754 | 8.87%  | 0.645% |
| 90 | 16.332 | 2446 | 2450 | 2457 | rVB6 | 54056  | 106118 | 7.36%  | 0.536% |

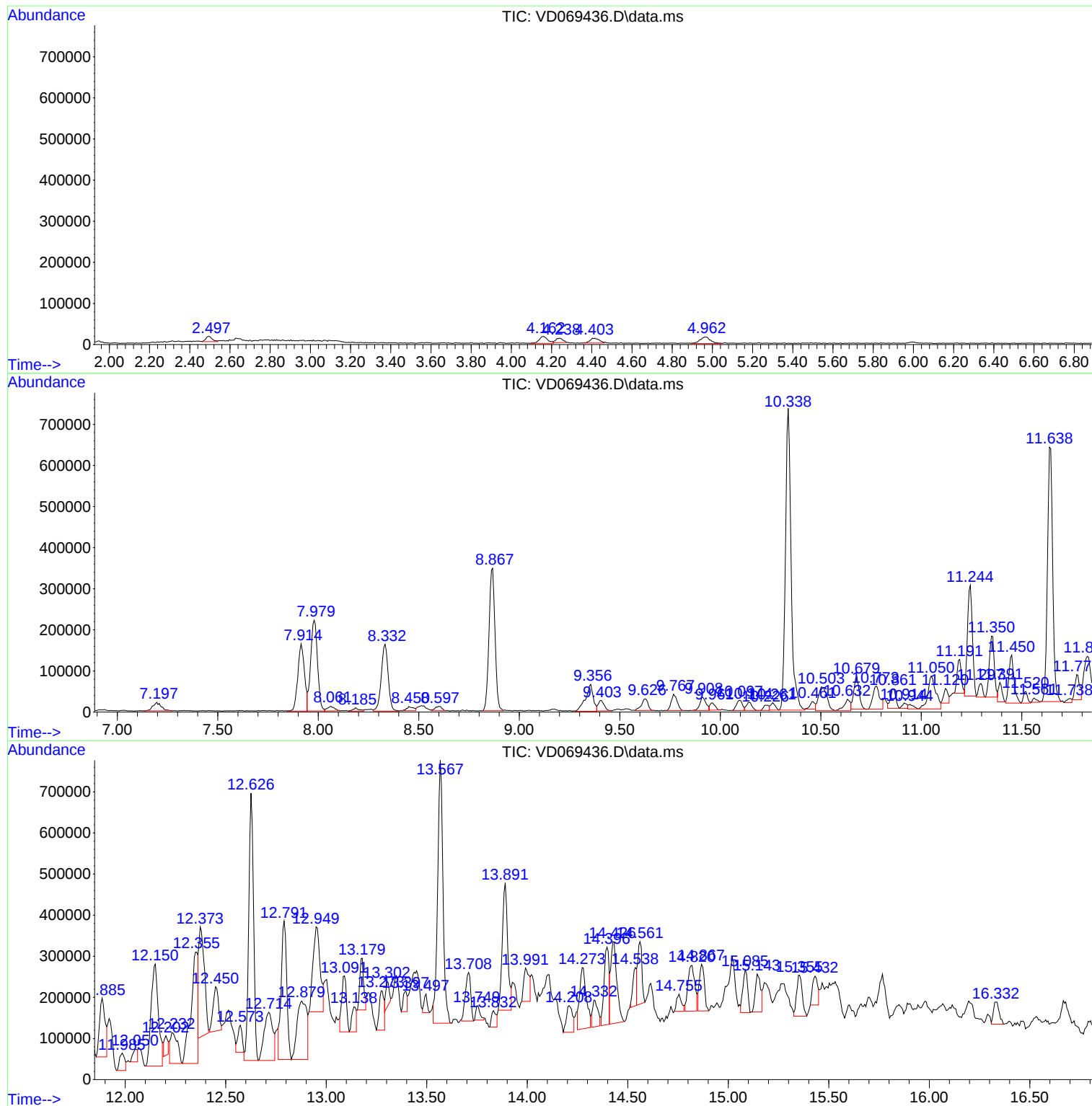
Sum of corrected areas: 19800732

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061421\  
Data File : VD069436.D  
Acq On : 14 Jun 2021 19:38  
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Sample : M2709-08  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
0247-AMND-COMP-L

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061121S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061421\  
Data File : VD069436.D  
Acq On : 14 Jun 2021 19:38  
Operator : VA/SY  
Sample : M2709-08  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
0247-AMND-COMP-L

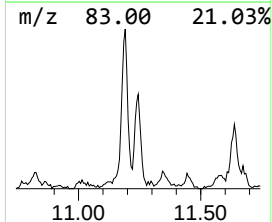
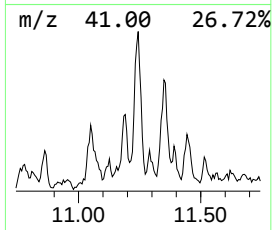
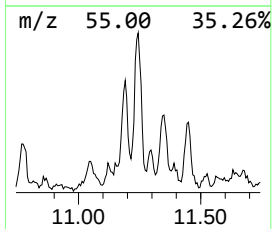
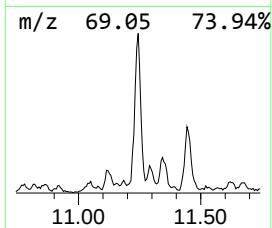
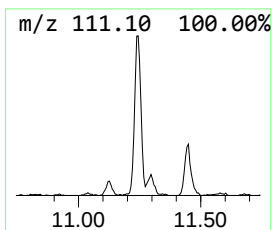
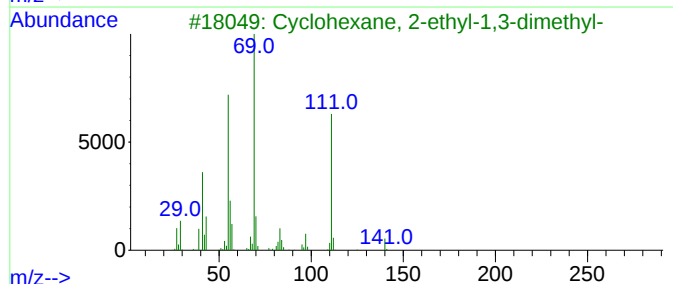
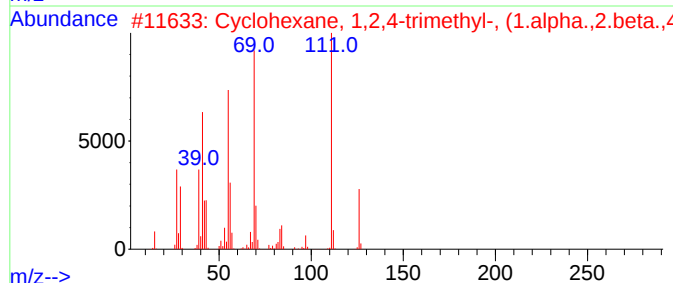
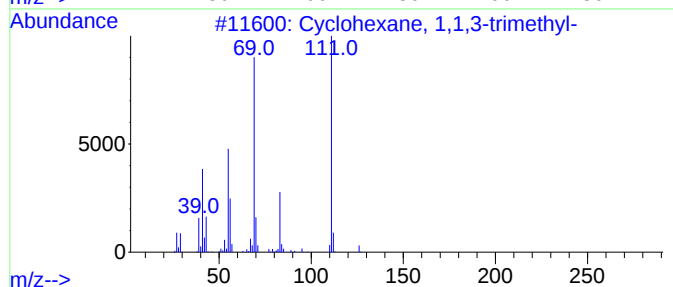
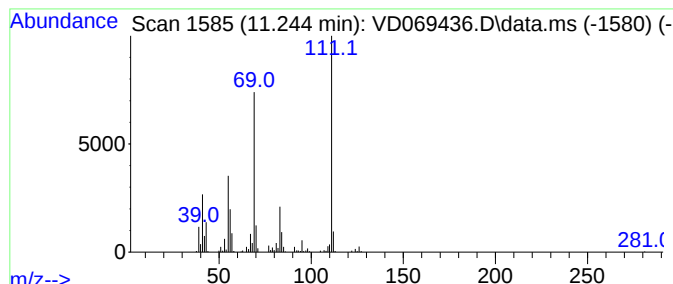
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061121S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 1 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 11.244 | 20.71 ug/l | 464042 | Chlorobenzene-d5 | 11.644 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1,1,3-trimethyl-       | 126 | C9H18   | 003073-66-3 | 94   |
| 2    |    |   | Cyclohexane, 1,2,4-trimethyl-, (... | 126 | C9H18   | 007667-60-9 | 72   |
| 3    |    |   | Cyclohexane, 2-ethyl-1,3-dimethyl-  | 140 | C10H20  | 007045-67-2 | 64   |
| 4    |    |   | 3-Hexene, 2,5-dimethyl-, (E)-       | 112 | C8H16   | 000692-70-6 | 50   |
| 5    |    |   | Cyclohexane, 1,2,4-trimethyl-       | 126 | C9H18   | 002234-75-5 | 50   |



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ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
0247-AMND-COMP-L

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061121S.M  
Quant Title : SW846 8260

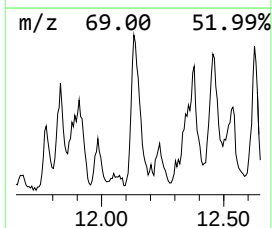
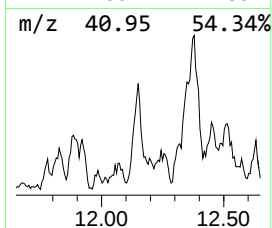
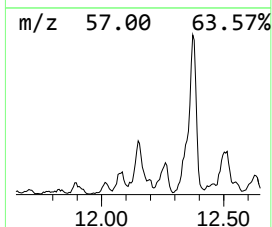
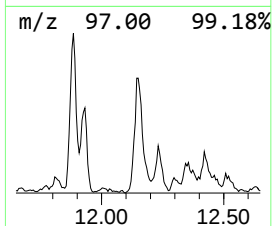
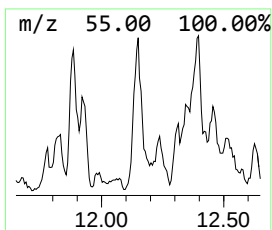
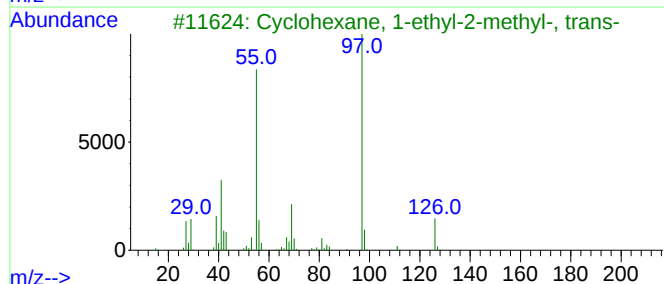
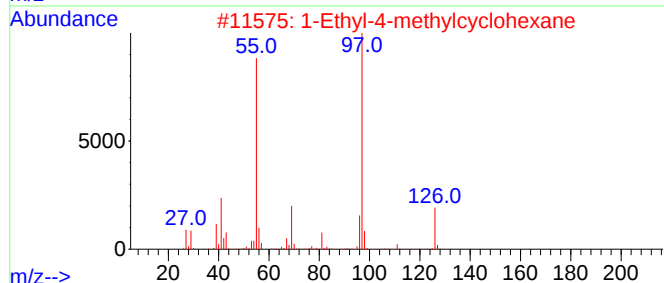
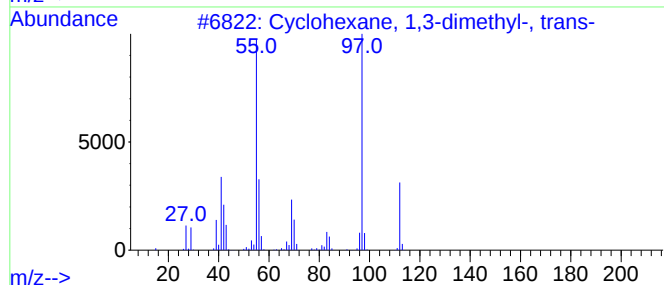
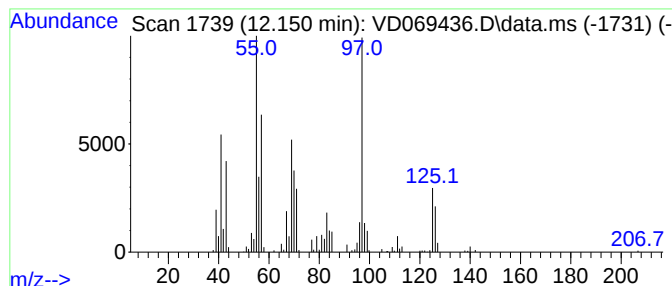
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown12.150 Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 12.150 | 28.00 ug/l | 627284 | Chlorobenzene-d5 | 11.644 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1,3-dimethyl-, trans-  | 112 | C8H16   | 002207-03-6 | 47   |
| 2    |    |   | 1-Ethyl-4-methylcyclohexane         | 126 | C9H18   | 003728-56-1 | 46   |
| 3    |    |   | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18   | 004923-78-8 | 46   |
| 4    |    |   | 3,5-Dimethyl-3-heptene              | 126 | C9H18   | 059643-68-4 | 46   |
| 5    |    |   | cis-1-Ethyl-3-methyl-cyclohexane    | 126 | C9H18   | 019489-10-2 | 43   |



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Instrument :  
MSVOA\_D  
ClientSampleId :  
0247-AMND-COMP-L

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061121S.M  
Quant Title : SW846 8260

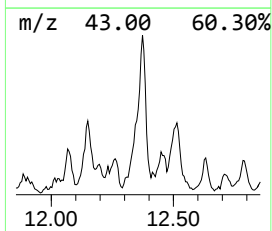
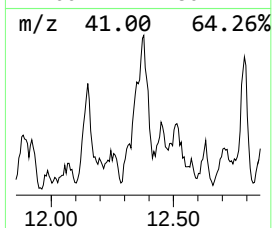
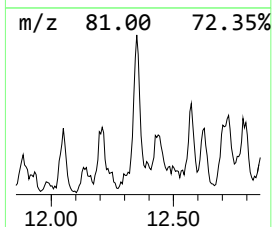
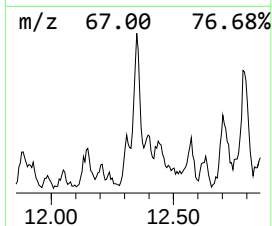
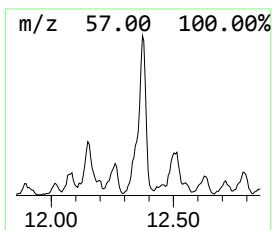
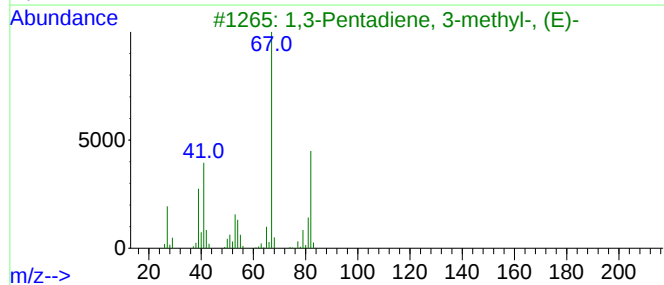
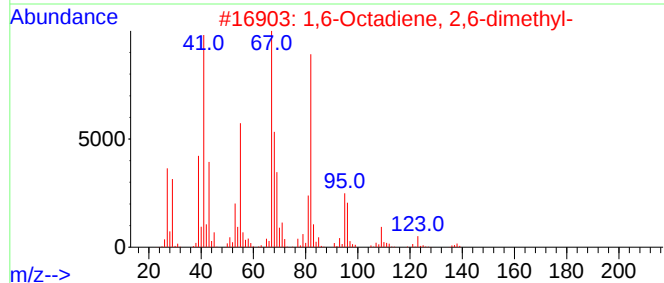
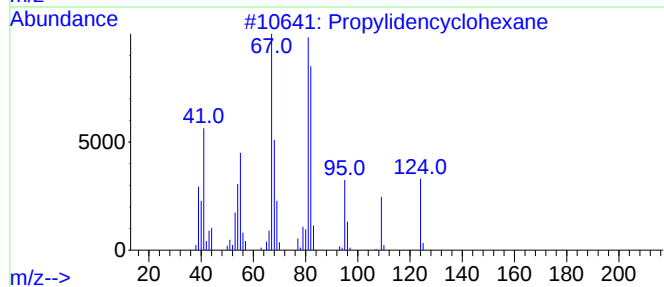
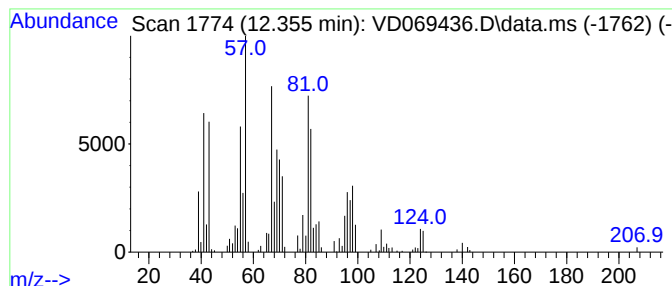
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown12.355 Concentration Rank 1

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|--------|------------|--------|------------------|--------|
| 12.355 | 29.96 ug/l | 671046 | Chlorobenzene-d5 | 11.644 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|-----|---------|-------------|------|
| 1    |    |   | Propylidencyclohexane           | 124 | C9H16   | 002129-93-3 | 46   |
| 2    |    |   | 1,6-Octadiene, 2,6-dimethyl-    | 138 | C10H18  | 031222-43-2 | 45   |
| 3    |    |   | 1,3-Pentadiene, 3-methyl-, (E)- | 82  | C6H10   | 002787-43-1 | 38   |
| 4    |    |   | 4-Methyl-1,3-pentadiene         | 82  | C6H10   | 000926-56-7 | 38   |
| 5    |    |   | trans,trans-2,8-Decadiene       | 138 | C10H18  | 019398-85-7 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061421\  
Data File : VD069436.D  
Acq On : 14 Jun 2021 19:38  
Operator : VA/SY  
Sample : M2709-08  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
0247-AMND-COMP-L

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061121S.M  
Quant Title : SW846 8260

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

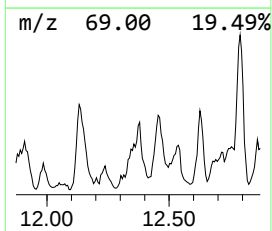
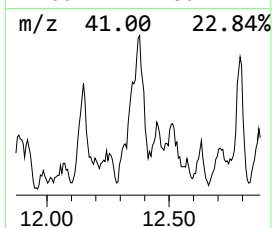
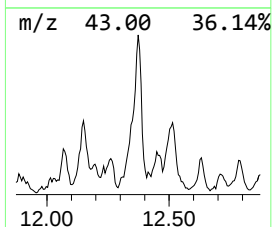
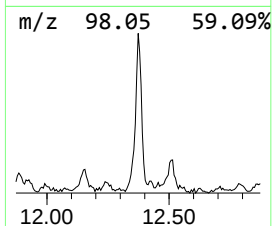
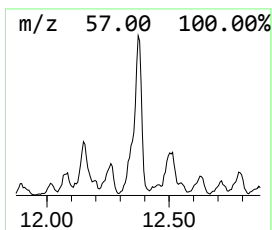
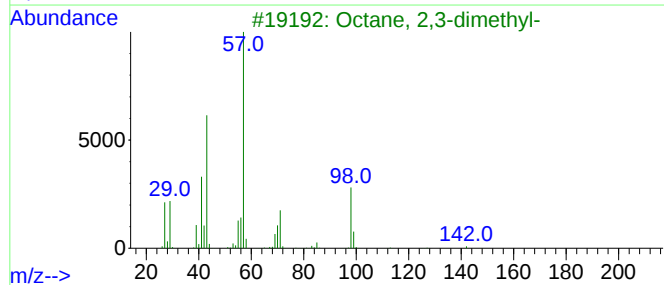
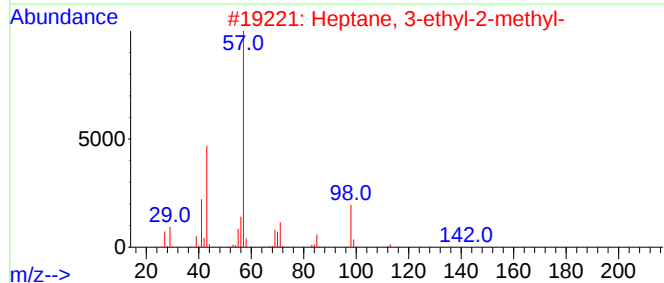
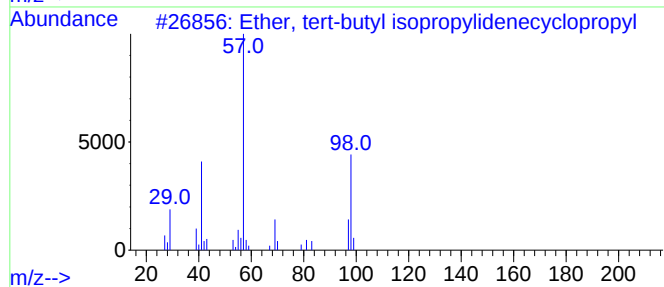
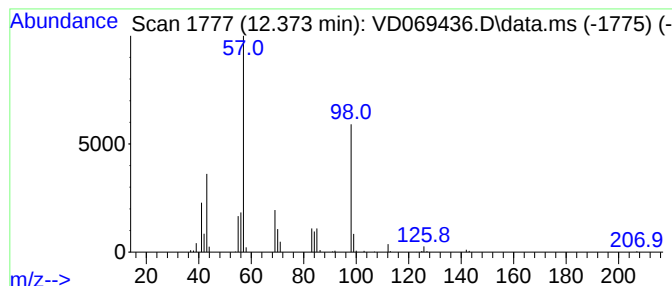
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Peak Number 4 Ether, tert-butyl isopropyl... Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 12.373 | 22.69 ug/l | 508351 | Chlorobenzene-d5 | 11.644 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Ether, tert-butyl isopropylidene... | 154 | C10H18O | 024524-56-9 | 53   |
| 2    |    |   | Heptane, 3-ethyl-2-methyl-          | 142 | C10H22  | 014676-29-0 | 50   |
| 3    |    |   | Octane, 2,3-dimethyl-               | 142 | C10H22  | 007146-60-3 | 47   |
| 4    |    |   | Heptane, 4-propyl-                  | 142 | C10H22  | 003178-29-8 | 43   |
| 5    |    |   | 1,3-Cyclopentanedione               | 98  | C5H6O2  | 003859-41-4 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061421\  
Data File : VD069436.D  
Acq On : 14 Jun 2021 19:38  
Operator : VA/SY  
Sample : M2709-08  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
0247-AMND-COMP-L

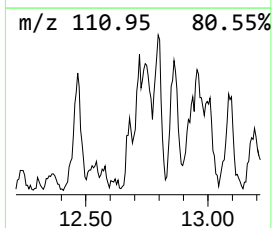
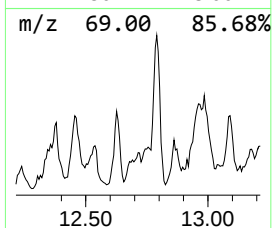
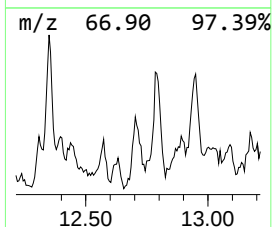
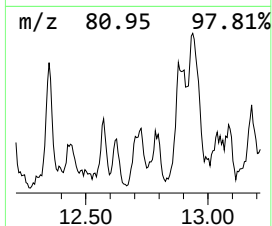
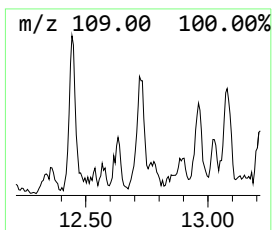
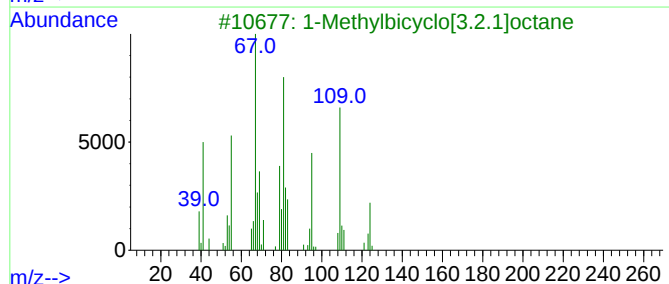
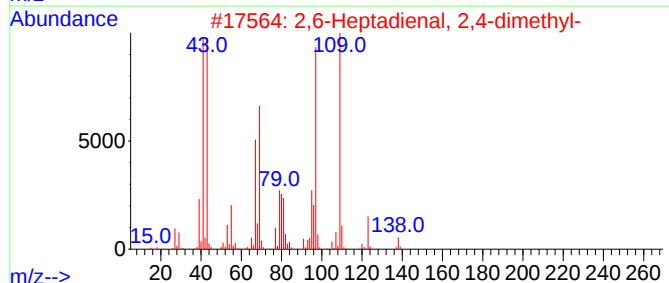
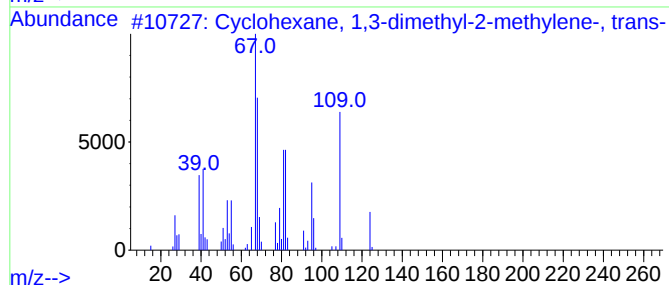
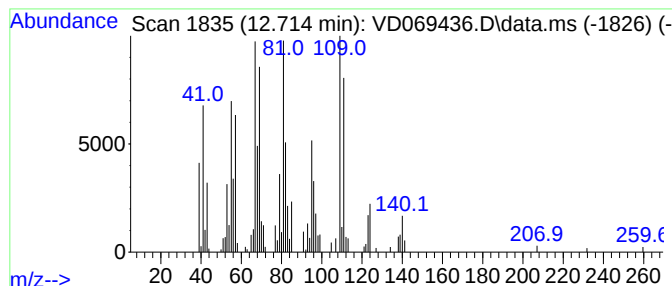
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Quant Title : SW846 8260

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

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Peak Number 5 Cyclohexane, 1,3-dimethyl-2... Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.714 | 15.16 ug/l | 356098 | 1,4-Dichlorobenzene-d4 | 13.567 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1,3-dimethyl-2-meth... | 124 | C9H16   | 020348-74-7 | 50   |
| 2    |    |   | 2,6-Heptadienal, 2,4-dimethyl-      | 138 | C9H14O  | 085136-08-9 | 46   |
| 3    |    |   | 1-Methylbicyclo[3.2.1]octane        | 124 | C9H16   | 119972-41-7 | 45   |
| 4    |    |   | 9-Octadecyne                        | 250 | C18H34  | 035365-59-4 | 43   |
| 5    |    |   | 1-Methylcyclooctene                 | 124 | C9H16   | 000933-11-9 | 30   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061421\  
Data File : VD069436.D  
Acq On : 14 Jun 2021 19:38  
Operator : VA/SY  
Sample : M2709-08  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
0247-AMND-COMP-L

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061121S.M  
Quant Title : SW846 8260

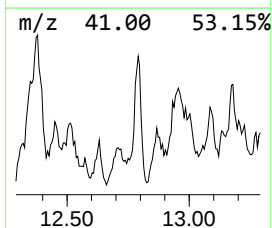
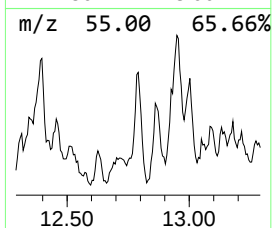
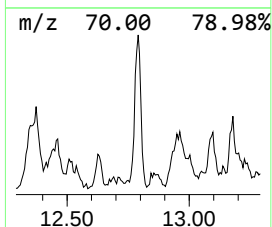
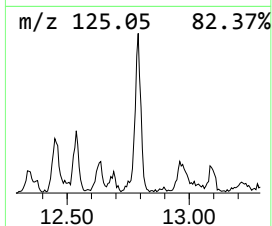
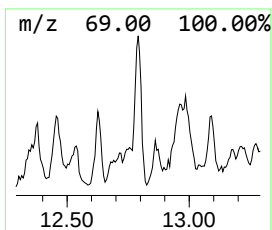
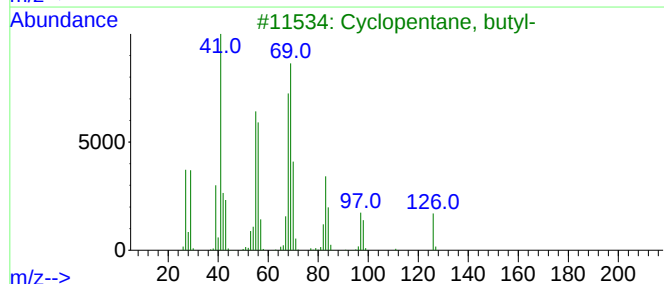
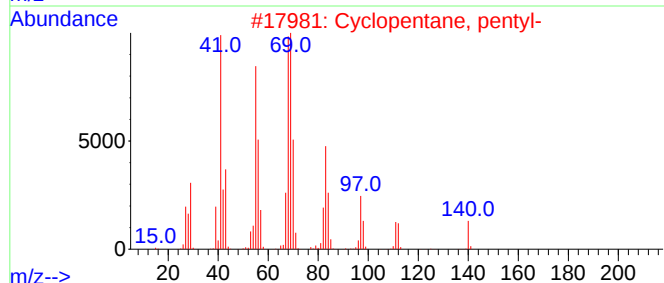
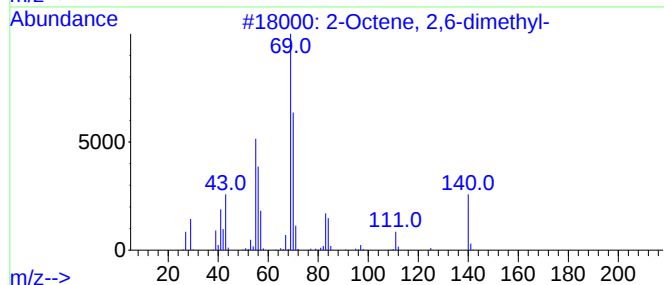
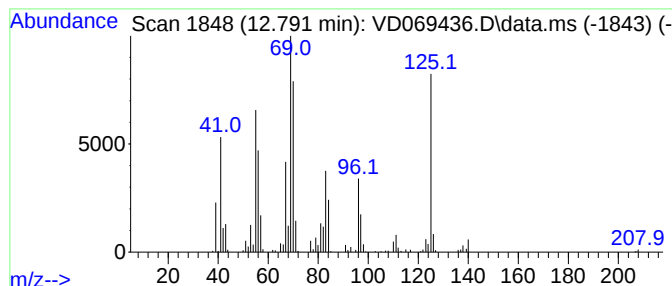
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown12.791 Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.791 | 27.27 ug/l | 640651 | 1,4-Dichlorobenzene-d4 | 13.567 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Octene, 2,6-dimethyl-             | 140 | C10H20  | 004057-42-5 | 49   |
| 2    |    |   | Cyclopentane, pentyl-               | 140 | C10H20  | 003741-00-2 | 46   |
| 3    |    |   | Cyclopentane, butyl-                | 126 | C9H18   | 002040-95-1 | 45   |
| 4    |    |   | Cyclohexane, 1,1,3,5-tetramethyl... | 140 | C10H20  | 050876-31-8 | 43   |
| 5    |    |   | Cyclohexane, 1,2,3-trimethyl-, (... | 126 | C9H18   | 001678-81-5 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061421\  
Data File : VD069436.D  
Acq On : 14 Jun 2021 19:38  
Operator : VA/SY  
Sample : M2709-08  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
0247-AMND-COMP-L

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061121S.M  
Quant Title : SW846 8260

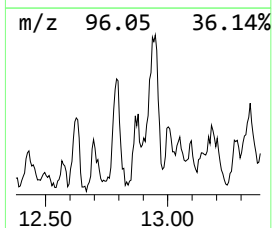
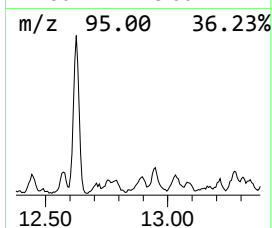
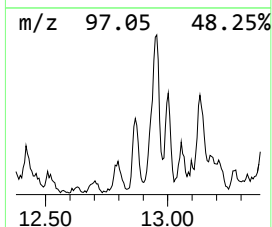
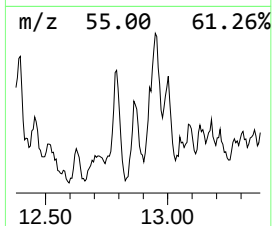
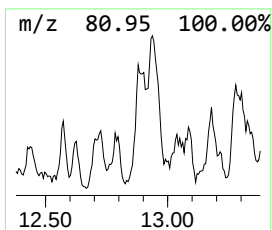
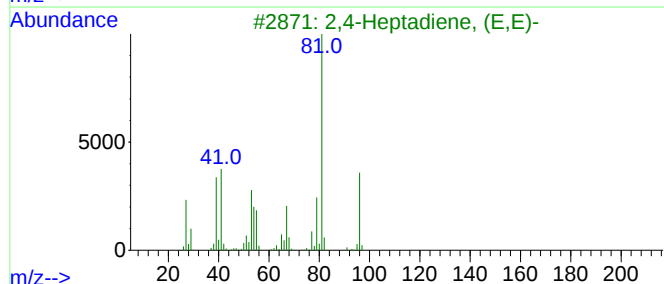
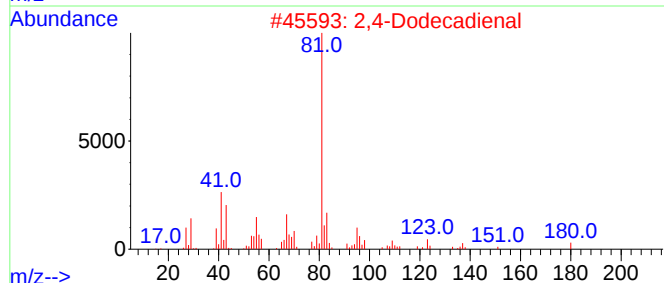
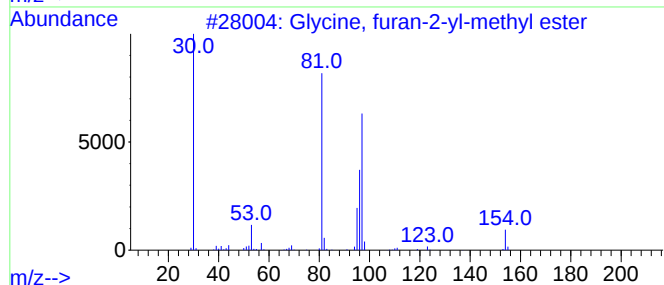
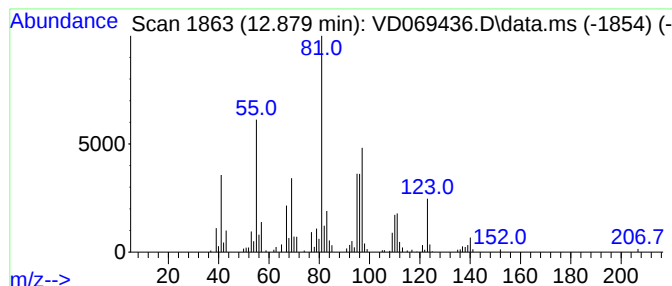
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown12.879 Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.879 | 20.75 ug/l | 487550 | 1,4-Dichlorobenzene-d4 | 13.567 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#         | Qual |
|------|----|---|------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Glycine, furan-2-yl-methyl ester   | 155 | C7H9NO3 | 1000306-78-7 | 47   |
| 2    |    |   | 2,4-Dodecadialenal                 | 180 | C12H20O | 013162-47-5  | 43   |
| 3    |    |   | 2,4-Heptadiene, (E,E)-             | 96  | C7H12   | 002384-94-3  | 38   |
| 4    |    |   | Cyclobutane, (1-methylethylidene)- | 96  | C7H12   | 001528-22-9  | 38   |
| 5    |    |   | 1,4-Hexadiene, 2-methyl-           | 96  | C7H12   | 001119-14-8  | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061421\  
Data File : VD069436.D  
Acq On : 14 Jun 2021 19:38  
Operator : VA/SY  
Sample : M2709-08  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
0247-AMND-COMP-L

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061121S.M  
Quant Title : SW846 8260

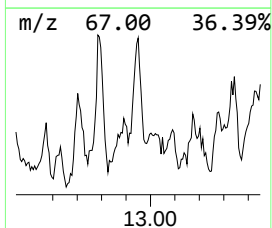
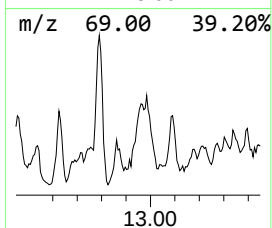
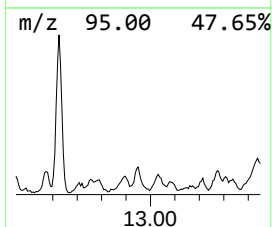
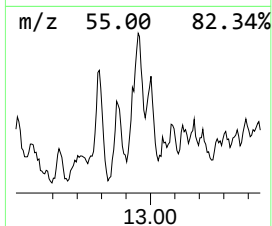
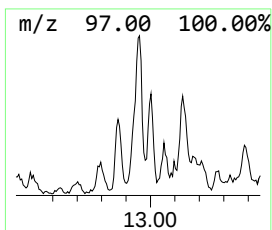
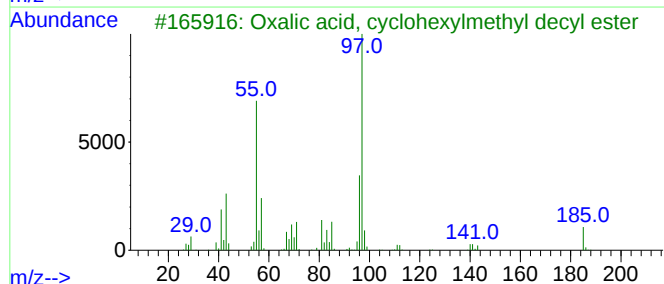
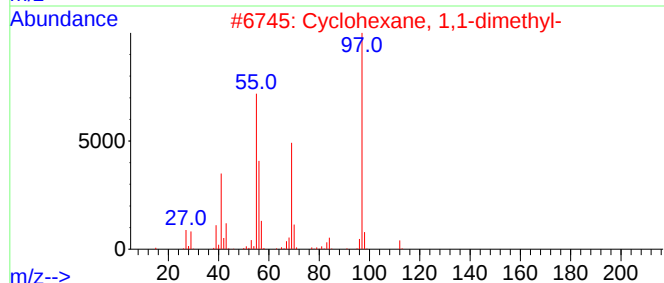
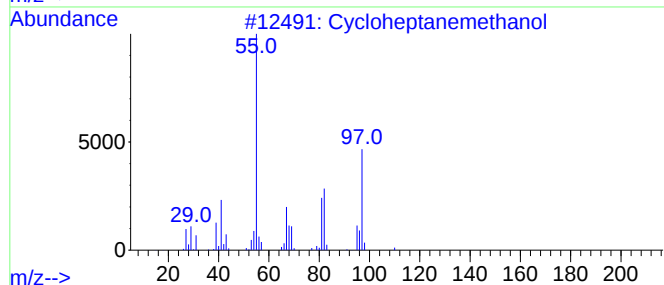
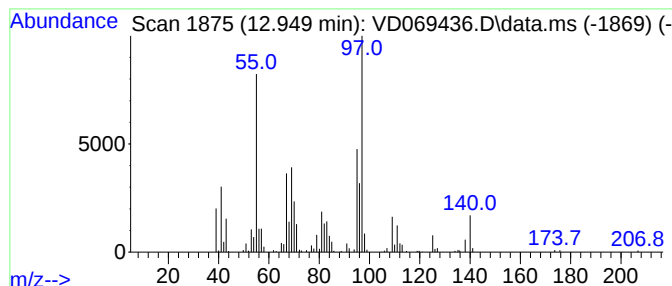
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 unknown12.950 Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.950 | 21.63 ug/l | 508119 | 1,4-Dichlorobenzene-d4 | 13.567 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Cycloheptanemethanol                | 128 | C8H16O   | 004448-75-3  | 47   |
| 2    |    |   | Cyclohexane, 1,1-dimethyl-          | 112 | C8H16    | 000590-66-9  | 43   |
| 3    |    |   | Oxalic acid, cyclohexylmethyl de... | 326 | C19H34O4 | 1000309-68-7 | 43   |
| 4    |    |   | 1-Ethyl-3-methylcyclohexane (c,t)   | 126 | C9H18    | 003728-55-0  | 43   |
| 5    |    |   | Methoxyacetic acid, 1-cyclopenty... | 186 | C10H18O3 | 1000282-69-5 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061421\  
Data File : VD069436.D  
Acq On : 14 Jun 2021 19:38  
Operator : VA/SY  
Sample : M2709-08  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
0247-AMND-COMP-L

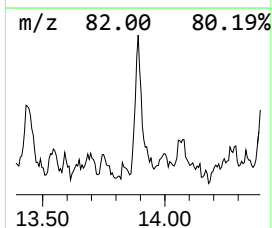
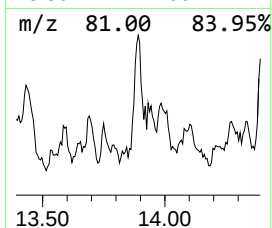
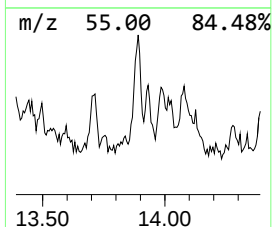
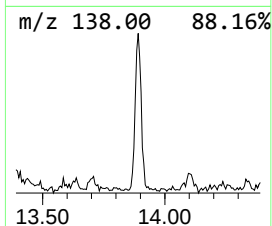
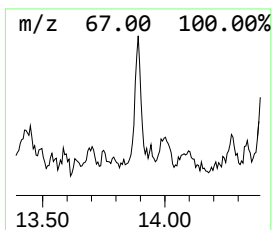
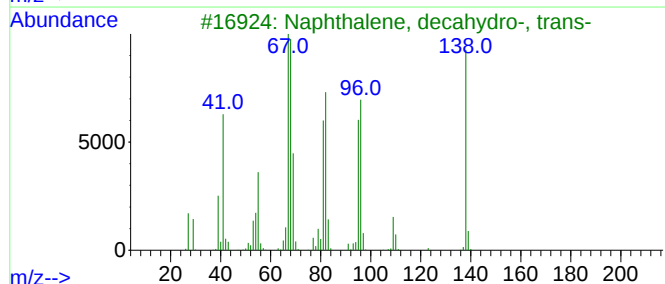
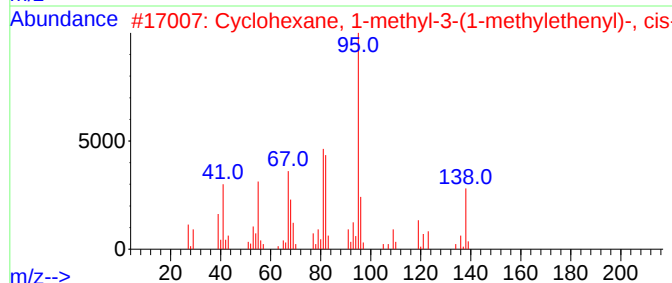
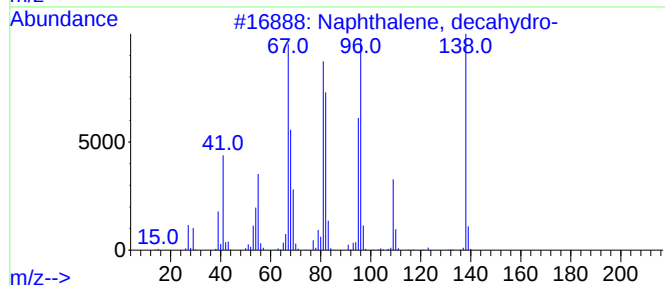
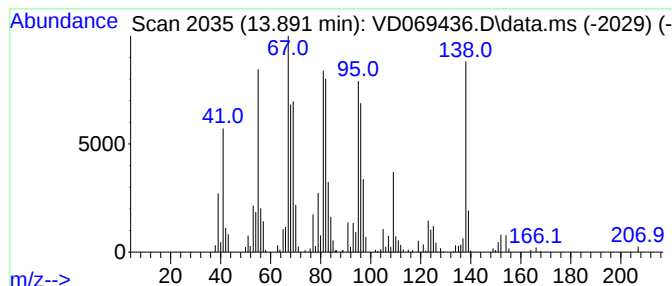
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061121S.M  
Quant Title : SW846 8260

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

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Peak Number 9 Naphthalene, decahydro- Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.891 | 24.63 ug/l | 578676 | 1,4-Dichlorobenzene-d4 | 13.567 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, decahydro-             | 138 | C10H18  | 000091-17-8 | 91   |
| 2    |    |   | Cyclohexane, 1-methyl-3-(1-methy... | 138 | C10H18  | 024399-15-3 | 91   |
| 3    |    |   | Naphthalene, decahydro-, trans-     | 138 | C10H18  | 000493-02-7 | 87   |
| 4    |    |   | Naphthalene, decahydro-, cis-       | 138 | C10H18  | 000493-01-6 | 81   |
| 5    |    |   | Cyclodecene                         | 138 | C10H18  | 003618-12-0 | 81   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061421\  
Data File : VD069436.D  
Acq On : 14 Jun 2021 19:38  
Operator : VA/SY  
Sample : M2709-08  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
0247-AMND-COMP-L

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061121S.M  
Quant Title : SW846 8260

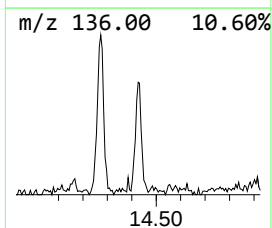
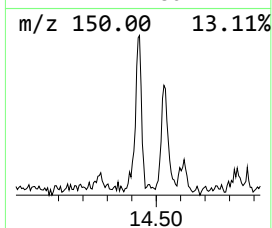
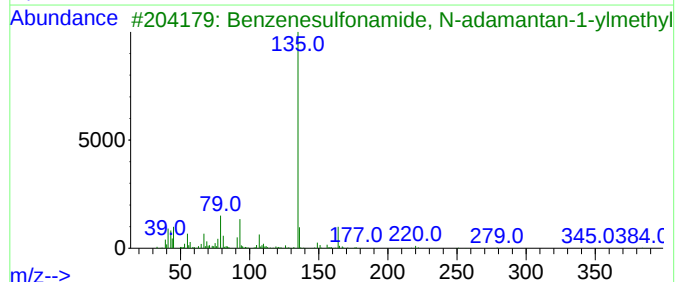
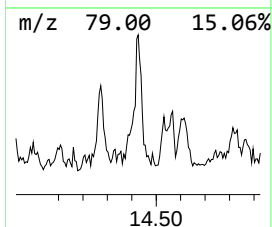
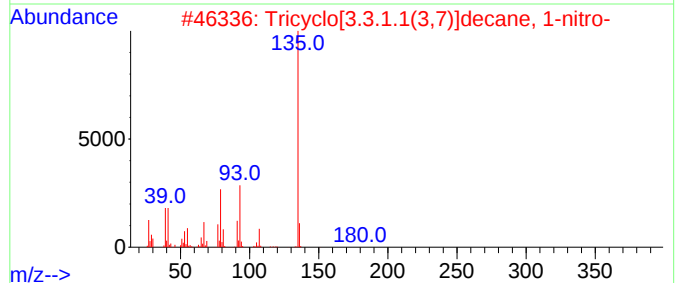
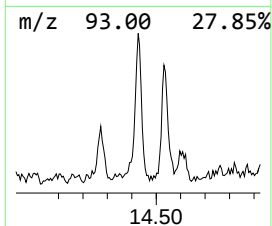
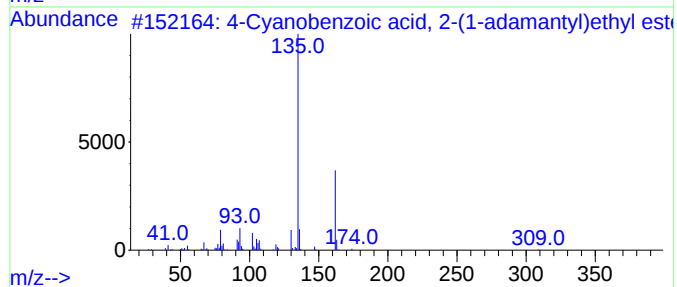
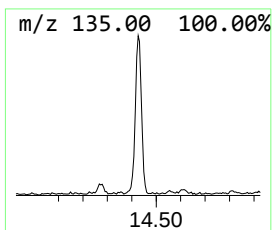
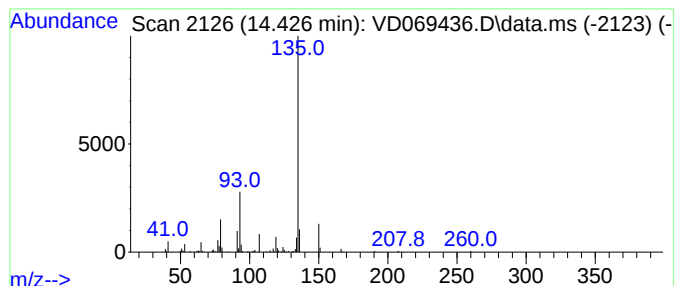
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 4-Cyanobenzoic acid, 2-(1-a... Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.426 | 17.55 ug/l | 412384 | 1,4-Dichlorobenzene-d4 | 13.567 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm       | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------------|--------------|------|
| 1    |    |   | 4-Cyanobenzoic acid, 2-(1-adaman... | 309 | C20H23NO2     | 1000292-45-1 | 72   |
| 2    |    |   | Tricyclo[3.3.1.1(3,7)]decane, 1-... | 181 | C10H15NO2     | 007575-82-8  | 64   |
| 3    |    |   | Benzenesulfonamide, N-adamantan-... | 384 | C17H21ClN2O4S | 1000303-35-0 | 64   |
| 4    |    |   | 9-Iodotricyclo[4.2.1.1(2,5)]decane  | 262 | C10H15I       | 1000194-77-8 | 64   |
| 5    |    |   | Adamantane-1-carbohydrazide, N2-... | 316 | C18H21FN2O2   | 332037-11-3  | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061421\  
Data File : VD069436.D  
Acq On : 14 Jun 2021 19:38  
Operator : VA/SY  
Sample : M2709-08  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
0247-AMND-COMP-L

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061121S.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,... | 11.244 | 20.7    | ug/l  | 464042   | 3                     | 11.644 | 1120070 | 50.0 |
| unknown12.150      | 12.150 | 28.0    | ug/l  | 627284   | 3                     | 11.644 | 1120070 | 50.0 |
| unknown12.355      | 12.355 | 30.0    | ug/l  | 671046   | 3                     | 11.644 | 1120070 | 50.0 |
| Ether, tert-but... | 12.373 | 22.7    | ug/l  | 508351   | 3                     | 11.644 | 1120070 | 50.0 |
| Cyclohexane, 1,... | 12.714 | 15.2    | ug/l  | 356098   | 4                     | 13.567 | 1174750 | 50.0 |
| unknown12.791      | 12.791 | 27.3    | ug/l  | 640651   | 4                     | 13.567 | 1174750 | 50.0 |
| unknown12.879      | 12.879 | 20.8    | ug/l  | 487550   | 4                     | 13.567 | 1174750 | 50.0 |
| unknown12.950      | 12.950 | 21.6    | ug/l  | 508119   | 4                     | 13.567 | 1174750 | 50.0 |
| Naphthalene, de... | 13.891 | 24.6    | ug/l  | 578676   | 4                     | 13.567 | 1174750 | 50.0 |
| 4-Cyanobenzoic ... | 14.426 | 17.6    | ug/l  | 412384   | 4                     | 13.567 | 1174750 | 50.0 |