

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101920\  
 Data File : VD067310.D  
 Acq On : 19 Oct 2020 16:01  
 Operator : VA/SY  
 Sample : L4458-01  
 Misc : 3.77G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 BS-DRUM

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D101320S.M

Title : SW846 8260

Signal : TIC

| 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         | 1.944       | 3             | 4           | 10           | rVB      | 28997          | 29785         | 3.07%           | 0.200%        |
| 2         | 2.168       | 38            | 42          | 46           | rVB2     | 10370          | 13567         | 1.40%           | 0.091%        |
| 3         | 2.321       | 63            | 68          | 78           | rBV4     | 25301          | 49897         | 5.15%           | 0.334%        |
| 4         | 3.044       | 183           | 191         | 197          | rBV6     | 6678           | 13903         | 1.44%           | 0.093%        |
| 5         | 3.409       | 246           | 253         | 264          | rVB8     | 8608           | 24471         | 2.53%           | 0.164%        |
| 6         | 3.556       | 271           | 278         | 286          | rBV3     | 3861           | 10204         | 1.05%           | 0.068%        |
| 7         | 4.162       | 371           | 381         | 390          | rBV2     | 26053          | 73673         | 7.61%           | 0.494%        |
| 8         | 5.991       | 682           | 692         | 695          | rBV5     | 5264           | 12661         | 1.31%           | 0.085%        |
| 9         | 7.220       | 890           | 901         | 909          | rVB3     | 10046          | 26253         | 2.71%           | 0.176%        |
| 10        | 7.920       | 1009          | 1020        | 1025         | rBV      | 178390         | 432795        | 44.68%          | 2.900%        |
| 11        | 7.979       | 1025          | 1030        | 1040         | rVB      | 220558         | 508442        | 52.49%          | 3.407%        |
| 12        | 8.185       | 1060          | 1065        | 1066         | rBV3     | 9584           | 12559         | 1.30%           | 0.084%        |
| 13        | 8.332       | 1081          | 1090        | 1100         | rVB      | 159116         | 367585        | 37.95%          | 2.463%        |
| 14        | 8.726       | 1149          | 1157        | 1164         | rBV3     | 19411          | 39090         | 4.04%           | 0.262%        |
| 15        | 8.867       | 1172          | 1181        | 1191         | rBV      | 351163         | 710016        | 73.30%          | 4.758%        |
| 16        | 9.097       | 1213          | 1220        | 1226         | rBV3     | 13272          | 29356         | 3.03%           | 0.197%        |
| 17        | 9.361       | 1251          | 1265        | 1270         | rBV3     | 36274          | 90579         | 9.35%           | 0.607%        |
| 18        | 9.408       | 1270          | 1273        | 1280         | rVB6     | 6798           | 12767         | 1.32%           | 0.086%        |
| 19        | 9.632       | 1302          | 1311        | 1316         | rVB5     | 4755           | 11429         | 1.18%           | 0.077%        |
| 20        | 9.773       | 1327          | 1335        | 1345         | rBV6     | 11132          | 25432         | 2.63%           | 0.170%        |
| 21        | 9.914       | 1353          | 1359        | 1365         | rBV5     | 13682          | 28250         | 2.92%           | 0.189%        |
| 22        | 9.979       | 1365          | 1370        | 1381         | rVB4     | 23386          | 57819         | 5.97%           | 0.387%        |
| 23        | 10.120      | 1385          | 1394        | 1406         | rBV3     | 26347          | 66402         | 6.86%           | 0.445%        |
| 24        | 10.273      | 1414          | 1420        | 1424         | rVB6     | 10302          | 19982         | 2.06%           | 0.134%        |
| 25        | 10.344      | 1424          | 1432        | 1439         | rBV      | 435276         | 826113        | 85.29%          | 5.536%        |
| 26        | 10.408      | 1440          | 1443        | 1449         | rVB      | 29223          | 43479         | 4.49%           | 0.291%        |
| 27        | 10.526      | 1455          | 1463        | 1471         | rVB2     | 91969          | 170050        | 17.56%          | 1.140%        |
| 28        | 10.685      | 1485          | 1490        | 1495         | rVB3     | 16408          | 28092         | 2.90%           | 0.188%        |
| 29        | 10.785      | 1500          | 1507        | 1510         | rBV6     | 19107          | 35699         | 3.69%           | 0.239%        |
| 30        | 10.873      | 1514          | 1522        | 1528         | rVB7     | 14660          | 36389         | 3.76%           | 0.244%        |
| 31        | 10.955      | 1531          | 1536        | 1542         | rBV3     | 25582          | 45140         | 4.66%           | 0.303%        |
| 32        | 11.055      | 1548          | 1553        | 1556         | rBV4     | 14913          | 22807         | 2.35%           | 0.153%        |
| 33        | 11.126      | 1561          | 1565        | 1570         | rVV5     | 20881          | 43518         | 4.49%           | 0.292%        |
| 34        | 11.197      | 1570          | 1577        | 1581         | rVV3     | 47007          | 91498         | 9.45%           | 0.613%        |

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 ALS Vial : 9 Sample Multiplier: 1

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 BS-DRUM

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D101320S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 11.249 | 1581 | 1586 | 1592 | rVV2 | 56464  | 104953 | 10.84% | 0.703% |
| 36 | 11.302 | 1592 | 1595 | 1599 | rVB5 | 8869   | 12747  | 1.32%  | 0.085% |
| 37 | 11.355 | 1599 | 1604 | 1609 | rBV5 | 29338  | 53475  | 5.52%  | 0.358% |
| 38 | 11.432 | 1609 | 1617 | 1628 | rVB4 | 68540  | 210250 | 21.71% | 1.409% |
| 39 | 11.532 | 1628 | 1634 | 1640 | rBV2 | 56362  | 93916  | 9.70%  | 0.629% |
| 40 | 11.649 | 1646 | 1654 | 1662 | rBV  | 346386 | 594338 | 61.36% | 3.983% |
| 41 | 11.749 | 1665 | 1671 | 1675 | rBV2 | 94675  | 162603 | 16.79% | 1.090% |
| 42 | 11.861 | 1680 | 1690 | 1700 | rVV4 | 142164 | 410509 | 42.38% | 2.751% |
| 43 | 11.938 | 1700 | 1703 | 1709 | rVB3 | 28579  | 45023  | 4.65%  | 0.302% |
| 44 | 11.996 | 1709 | 1713 | 1718 | rBV6 | 6792   | 9738   | 1.01%  | 0.065% |
| 45 | 12.085 | 1724 | 1728 | 1732 | rVB6 | 9638   | 16392  | 1.69%  | 0.110% |
| 46 | 12.167 | 1734 | 1742 | 1743 | rBV5 | 48332  | 98327  | 10.15% | 0.659% |
| 47 | 12.273 | 1755 | 1760 | 1764 | rVB3 | 37233  | 54514  | 5.63%  | 0.365% |
| 48 | 12.320 | 1764 | 1768 | 1770 | rBV4 | 12596  | 17990  | 1.86%  | 0.121% |
| 49 | 12.355 | 1770 | 1774 | 1776 | rVV4 | 27951  | 42264  | 4.36%  | 0.283% |
| 50 | 12.396 | 1776 | 1781 | 1790 | rVV8 | 45126  | 109203 | 11.27% | 0.732% |
| 51 | 12.485 | 1792 | 1796 | 1801 | rVV5 | 33165  | 59495  | 6.14%  | 0.399% |
| 52 | 12.544 | 1801 | 1806 | 1807 | rVV4 | 17647  | 29810  | 3.08%  | 0.200% |
| 53 | 12.561 | 1807 | 1809 | 1811 | rVV3 | 27621  | 34145  | 3.53%  | 0.229% |
| 54 | 12.591 | 1811 | 1814 | 1816 | rVV4 | 38149  | 51902  | 5.36%  | 0.348% |
| 55 | 12.638 | 1816 | 1822 | 1833 | rVB  | 521422 | 927534 | 95.76% | 6.216% |
| 56 | 12.726 | 1833 | 1837 | 1841 | rBV7 | 10745  | 17035  | 1.76%  | 0.114% |
| 57 | 12.802 | 1845 | 1850 | 1858 | rVB6 | 35046  | 88209  | 9.11%  | 0.591% |
| 58 | 12.891 | 1858 | 1865 | 1870 | rBV5 | 57160  | 134780 | 13.91% | 0.903% |
| 59 | 12.955 | 1870 | 1876 | 1883 | rBV4 | 210262 | 404148 | 41.72% | 2.708% |
| 60 | 13.014 | 1883 | 1886 | 1891 | rVB5 | 33407  | 42889  | 4.43%  | 0.287% |
| 61 | 13.061 | 1891 | 1894 | 1896 | rBV4 | 13395  | 16465  | 1.70%  | 0.110% |
| 62 | 13.102 | 1898 | 1901 | 1904 | rBV5 | 23342  | 37686  | 3.89%  | 0.253% |
| 63 | 13.191 | 1911 | 1916 | 1925 | rVB2 | 89588  | 133749 | 13.81% | 0.896% |
| 64 | 13.273 | 1926 | 1930 | 1936 | rVB  | 74950  | 109826 | 11.34% | 0.736% |
| 65 | 13.373 | 1943 | 1947 | 1949 | rBV5 | 19543  | 25826  | 2.67%  | 0.173% |
| 66 | 13.408 | 1949 | 1953 | 1956 | rBV2 | 43342  | 58670  | 6.06%  | 0.393% |
| 67 | 13.473 | 1956 | 1964 | 1967 | rBV7 | 92329  | 221870 | 22.91% | 1.487% |
| 68 | 13.579 | 1974 | 1982 | 1991 | rVB3 | 189899 | 378591 | 39.08% | 2.537% |
| 69 | 13.649 | 1991 | 1994 | 1999 | rVB4 | 59873  | 88288  | 9.11%  | 0.592% |
| 70 | 13.726 | 2002 | 2007 | 2011 | rBV6 | 56420  | 106633 | 11.01% | 0.715% |
| 71 | 13.773 | 2011 | 2015 | 2019 | rBV5 | 44114  | 60249  | 6.22%  | 0.404% |

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 MSVOA\_D  
 ClientSampleId :  
 BS-DRUM

## 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\82D101320S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |         |        |
|----|--------|------|------|------|------|--------|--------|---------|--------|
| 72 | 13.826 | 2020 | 2024 | 2025 | rBV2 | 21767  | 27857  | 2.88%   | 0.187% |
| 73 | 13.902 | 2031 | 2037 | 2042 | rBV2 | 473171 | 768209 | 79.31%  | 5.148% |
| 74 | 14.108 | 2068 | 2072 | 2078 | rVB4 | 171499 | 317937 | 32.82%  | 2.131% |
| 75 | 14.161 | 2078 | 2081 | 2087 | rVB3 | 100055 | 145357 | 15.01%  | 0.974% |
| 76 | 14.232 | 2087 | 2093 | 2098 | rBV2 | 204880 | 376744 | 38.89%  | 2.525% |
| 77 | 14.290 | 2099 | 2103 | 2110 | rBV8 | 93612  | 224307 | 23.16%  | 1.503% |
| 78 | 14.414 | 2120 | 2124 | 2130 | rVB5 | 211732 | 331746 | 34.25%  | 2.223% |
| 79 | 14.532 | 2140 | 2144 | 2147 | rBV4 | 137391 | 207217 | 21.39%  | 1.389% |
| 80 | 14.579 | 2148 | 2152 | 2157 | rVB6 | 164116 | 268067 | 27.67%  | 1.796% |
| 81 | 14.732 | 2172 | 2178 | 2181 | rBV  | 633732 | 968638 | 100.00% | 6.491% |
| 82 | 14.820 | 2187 | 2193 | 2199 | rBV5 | 189542 | 530281 | 54.75%  | 3.554% |
| 83 | 14.879 | 2199 | 2203 | 2209 | rVB5 | 230023 | 416463 | 42.99%  | 2.791% |
| 84 | 15.202 | 2255 | 2258 | 2263 | rBV6 | 55232  | 108456 | 11.20%  | 0.727% |
| 85 | 15.373 | 2283 | 2287 | 2294 | rBV5 | 189206 | 332416 | 34.32%  | 2.228% |
| 86 | 15.614 | 2324 | 2328 | 2335 | rBV7 | 73582  | 176536 | 18.23%  | 1.183% |
| 87 | 15.790 | 2354 | 2358 | 2365 | rVB6 | 156929 | 307453 | 31.74%  | 2.060% |
| 88 | 16.361 | 2451 | 2455 | 2463 | rVB5 | 89730  | 178859 | 18.46%  | 1.199% |
| 89 | 16.696 | 2509 | 2512 | 2520 | rVB9 | 77571  | 161362 | 16.66%  | 1.081% |

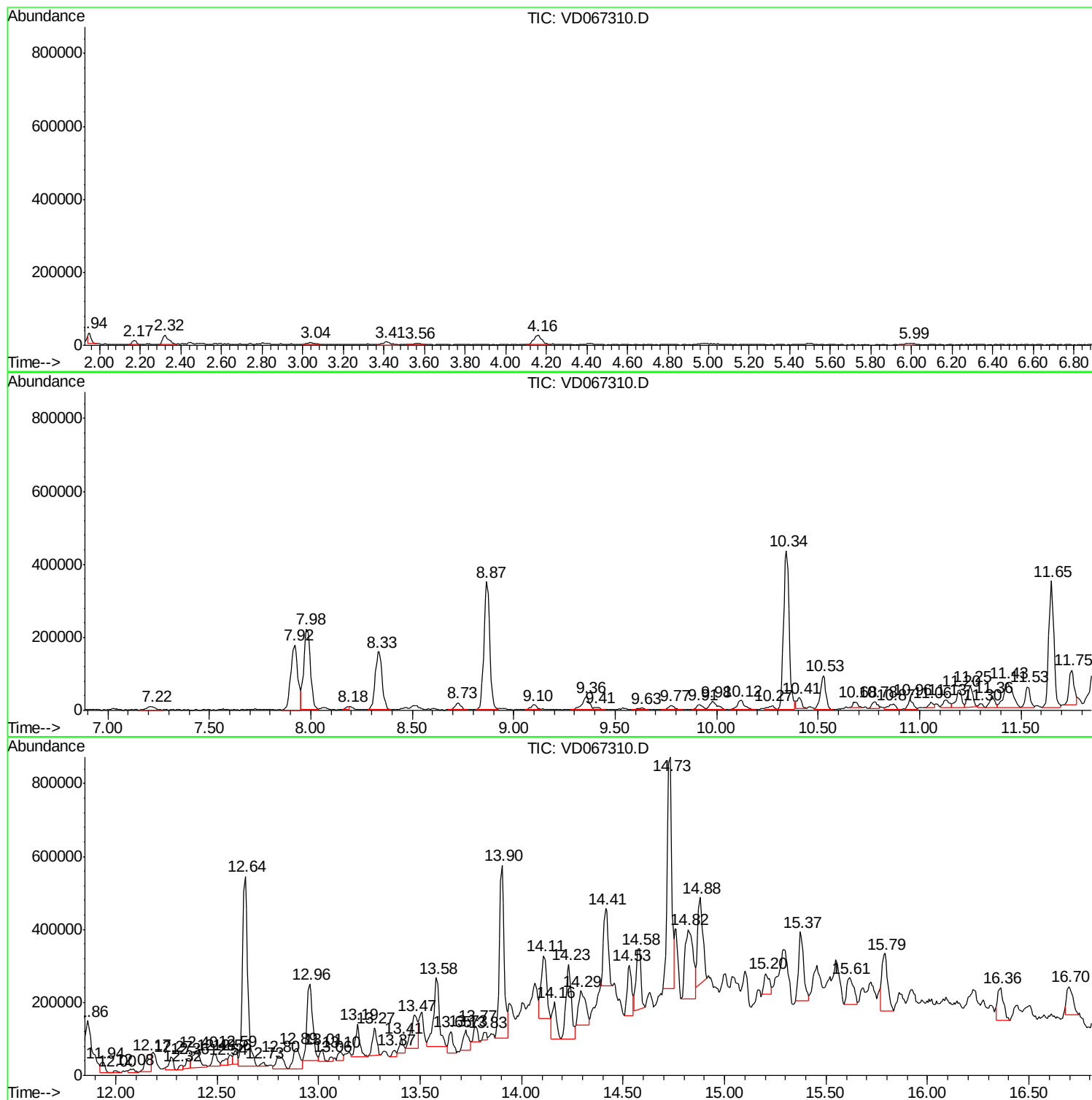
Sum of corrected areas: 14921649

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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
BS-DRUM

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D101320S.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101920\  
Data File : VD067310.D  
Acq On : 19 Oct 2020 16:01  
Operator : VA/SY  
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Misc : 3.77G/5.00ml/MSVOA D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

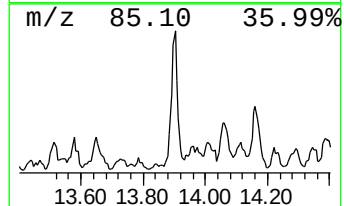
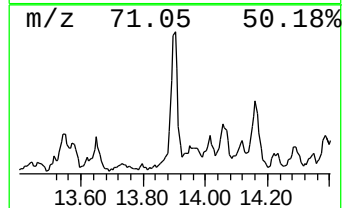
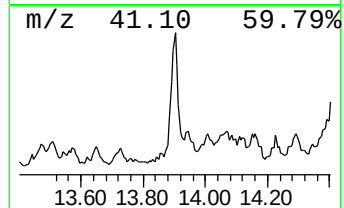
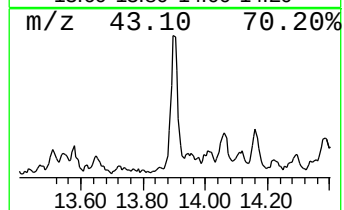
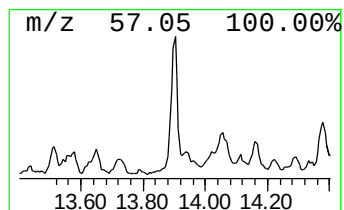
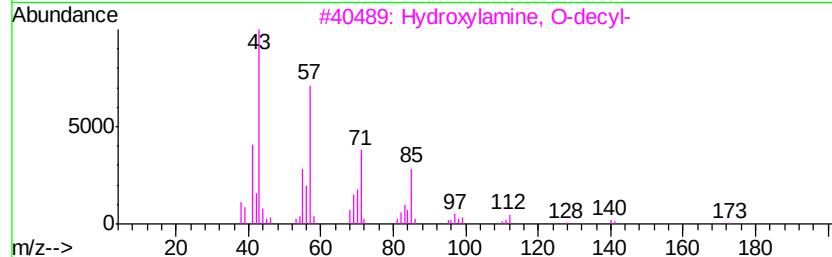
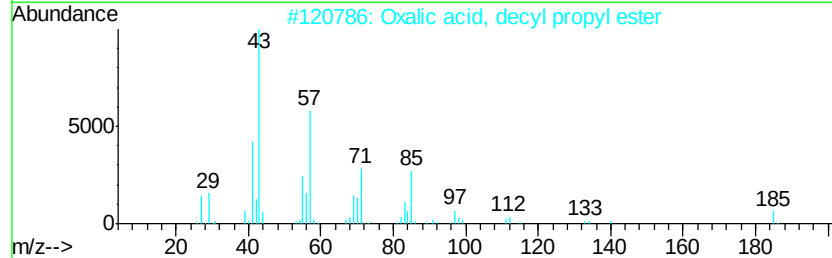
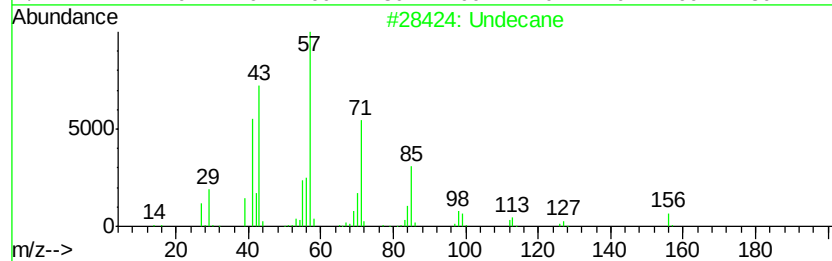
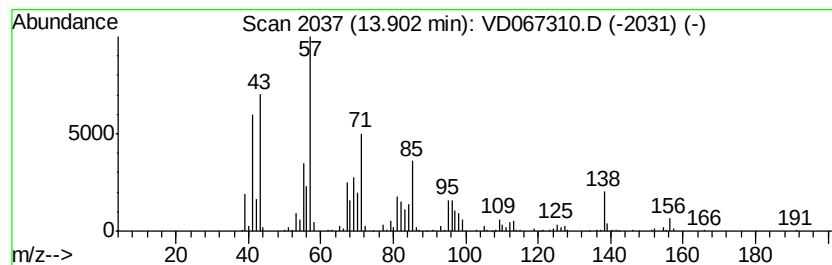
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MSVOA\_D  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D101320S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Undecane Concentration Rank 2

| R.T.    | EstConc                         | Area         | Relative to ISTD       | R.T.            |
|---------|---------------------------------|--------------|------------------------|-----------------|
| 13.90   | 101.46 ug/l                     | 768209       | 1,4-Dichlorobenzene-d4 | 13.58           |
| Hit# of | 5                               | Tentative ID | MW MolForm             | CAS# Qual       |
| 1       | Undecane                        |              | 156 C11H24             | 001120-21-4 96  |
| 2       | Oxalic acid, decyl propyl ester |              | 272 C15H28O4           | 1000309-26-3 50 |
| 3       | Hydroxylamine, O-decyl-         |              | 173 C10H23NO           | 029812-79-1 49  |
| 4       | Hexane, 3,3-dimethyl-           |              | 114 C8H18              | 000563-16-6 43  |
| 5       | Dodecane                        |              | 170 C12H26             | 000112-40-3 43  |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D101320S.M  
Quant Title : SW846 8260

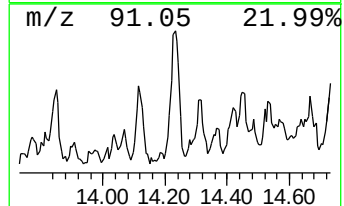
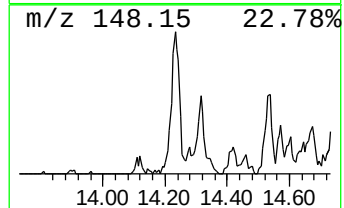
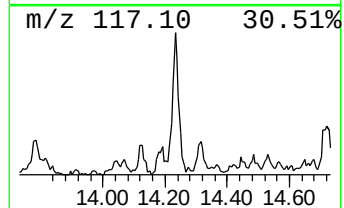
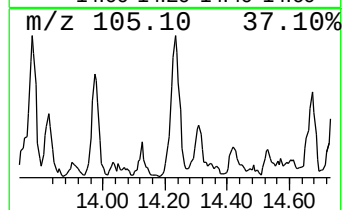
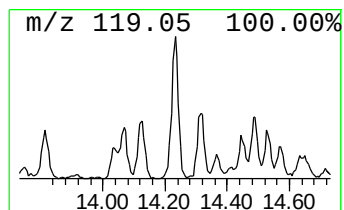
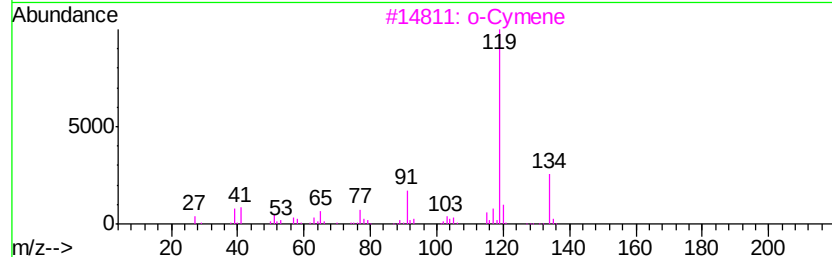
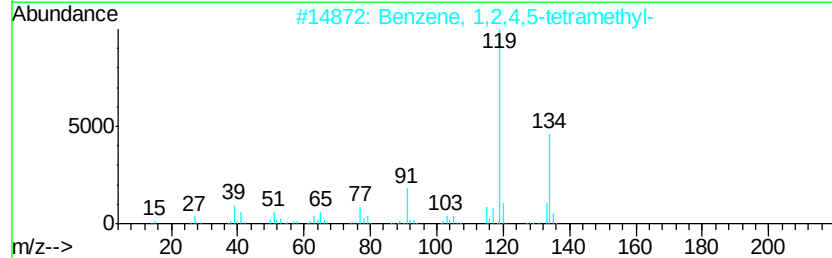
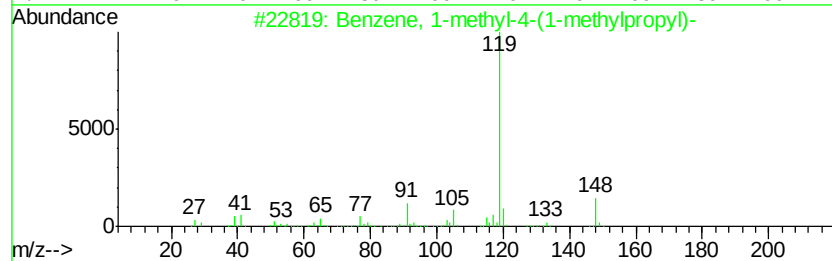
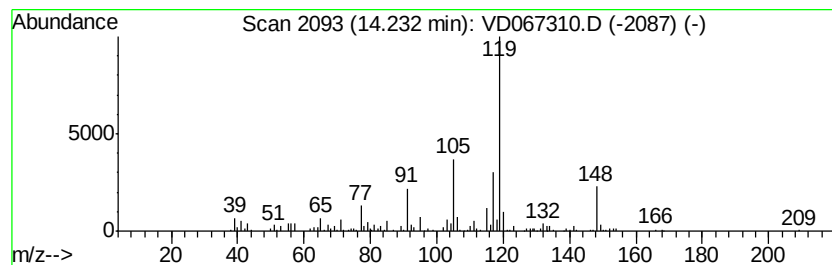
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Benzene, 1-methyl-4-(1-meth... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.23 | 49.76 ug/l | 376744 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|---------|-------------------------------------|-----|---------|-------------|------|
| 1       | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16  | 001595-16-0 | 62   |
| 2       | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 60   |
| 3       | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 60   |
| 4       | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 52   |
| 5       | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14  | 076089-59-3 | 49   |



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Quant Title : SW846 8260

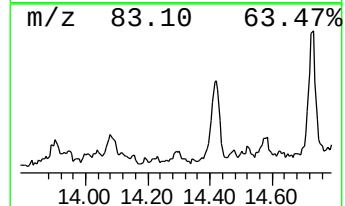
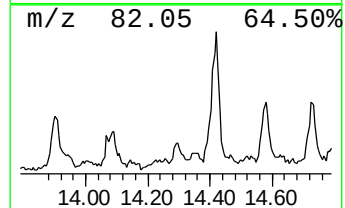
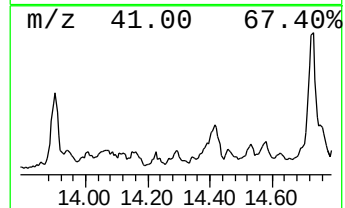
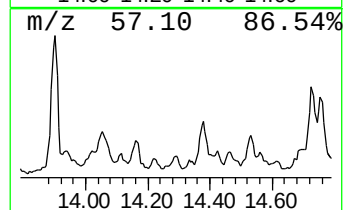
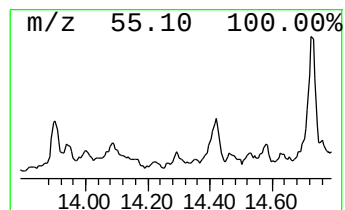
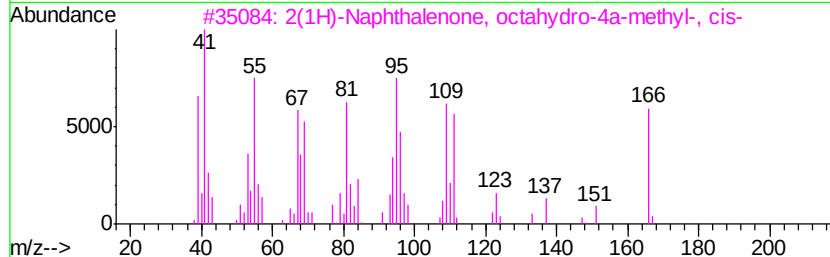
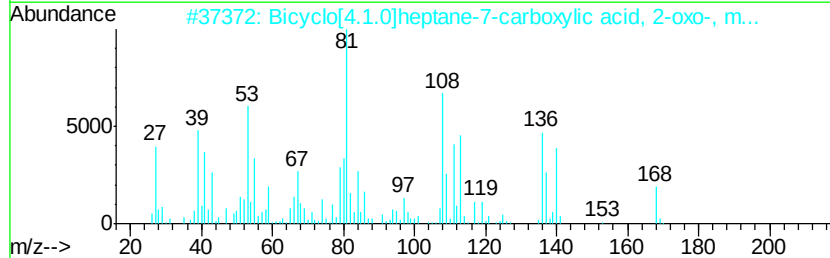
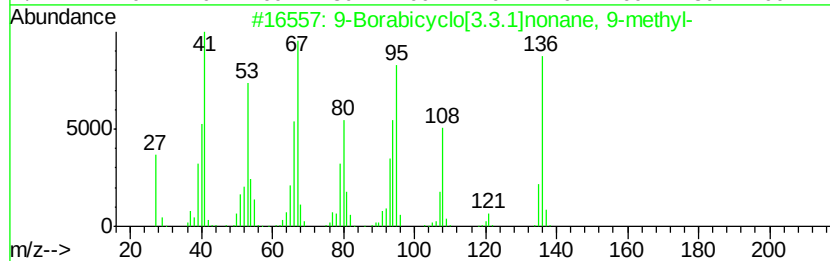
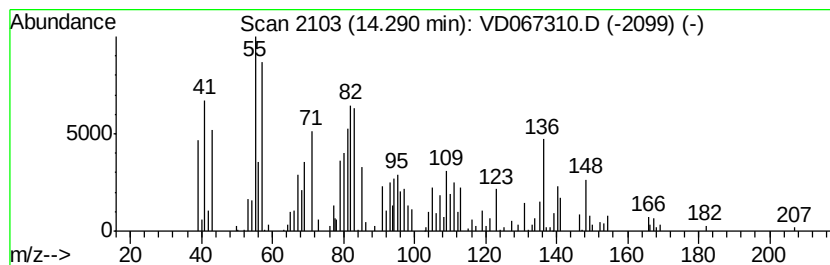
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown14.29 Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.29 | 29.62 ug/l | 224307 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 9-Borabicyclo[3.3.1]nonane, 9-me... | 136 | C9H17B       | 023418-81-7 | 35      |      |      |
| 2    | Bicyclo[4.1.0]heptane-7-carboxyl... | 168 | C9H12O3      | 134115-61-0 | 22      |      |      |
| 3    | 2(1H)-Naphthalenone, octahydro-4... | 166 | C11H18O      | 000938-06-7 | 15      |      |      |
| 4    | Isopulegol                          | 154 | C10H18O      | 000089-79-2 | 15      |      |      |
| 5    | dl-Isopulegol                       | 154 | C10H18O      | 050373-36-9 | 15      |      |      |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101920\  
Data File : VD067310.D  
Acq On : 19 Oct 2020 16:01  
Operator : VA/SY  
Sample : L4458-01  
Misc : 3.77G/5.00ml/MSVOA D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
BS-DRUM

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D101320S.M  
Quant Title : SW846 8260

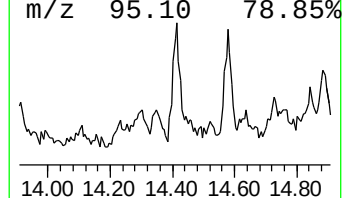
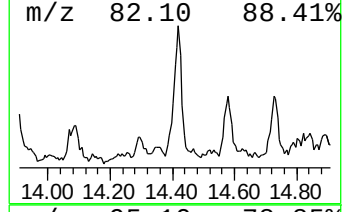
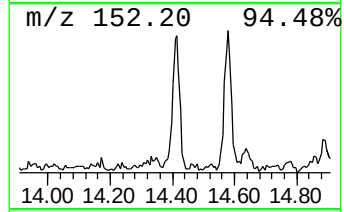
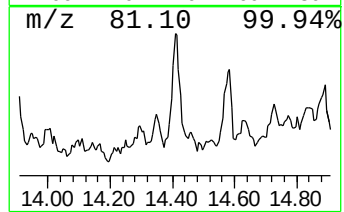
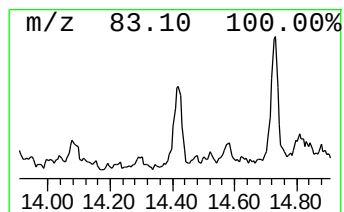
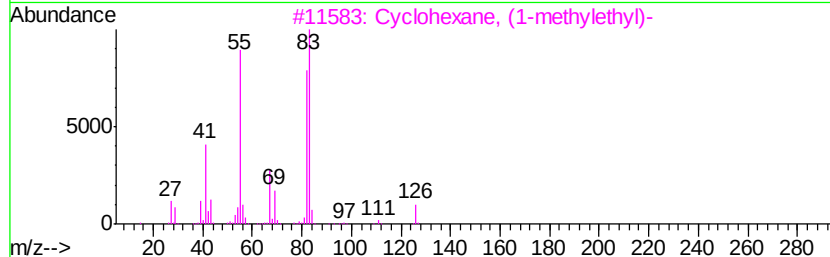
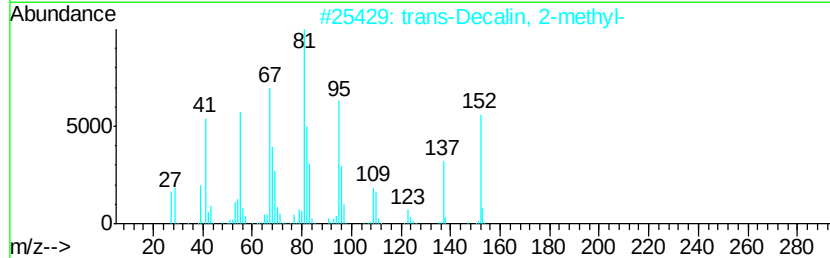
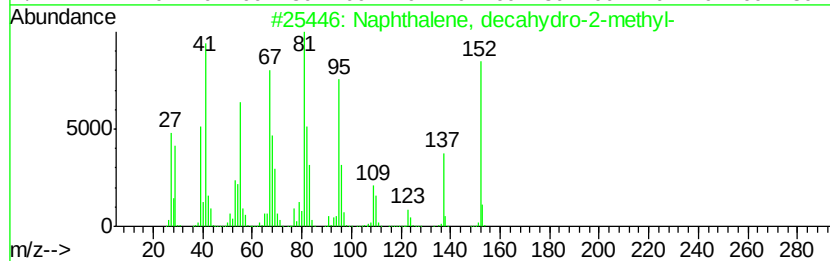
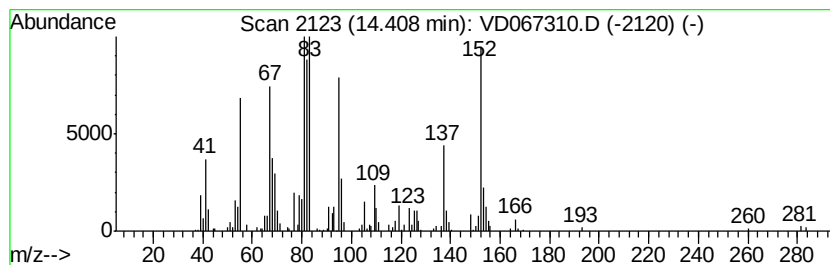
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Naphthalene, decahydro-2-me... Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.41 | 43.81 ug/l | 331746 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|---------|---|-------------------------------------|-----|---------|--------------|------|
| 1       |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1  | 60   |
| 2       |   | trans-Decalin, 2-methyl-            | 152 | C11H20  | 1000152-47-3 | 60   |
| 3       |   | Cyclohexane, (1-methylethyl)-       | 126 | C9H18   | 000696-29-7  | 43   |
| 4       |   | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6  | 42   |
| 5       |   | Pulegone                            | 152 | C10H16O | 000089-82-7  | 30   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101920\  
Data File : VD067310.D  
Acq On : 19 Oct 2020 16:01  
Operator : VA/SY  
Sample : L4458-01  
Misc : 3.77G/5.00ml/MSVOA D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

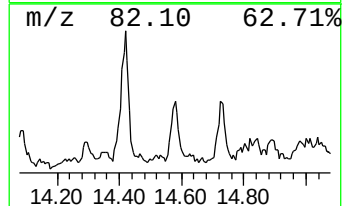
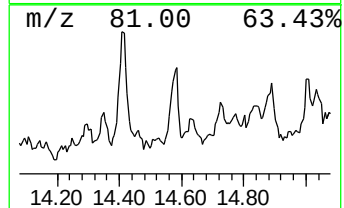
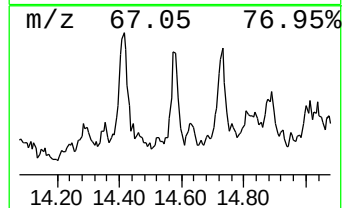
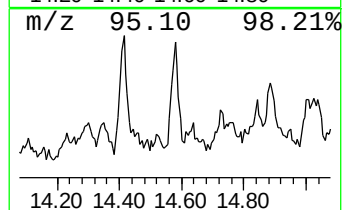
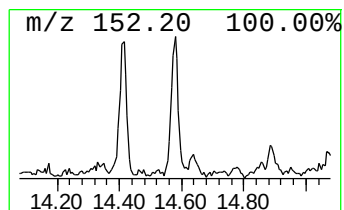
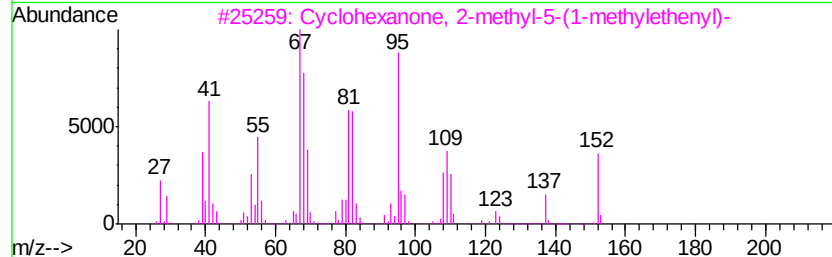
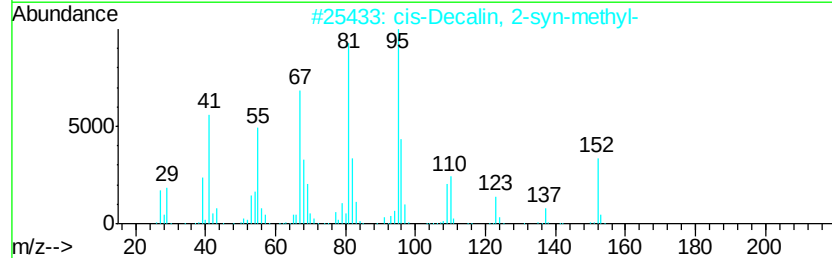
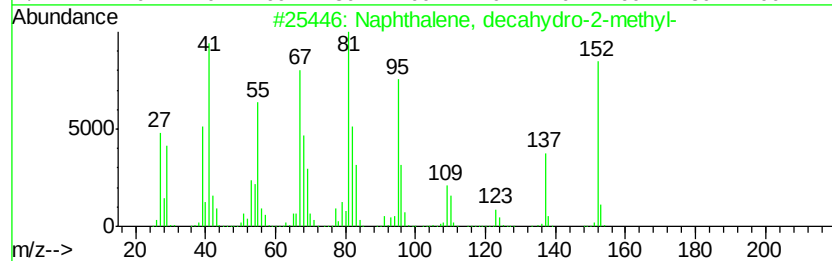
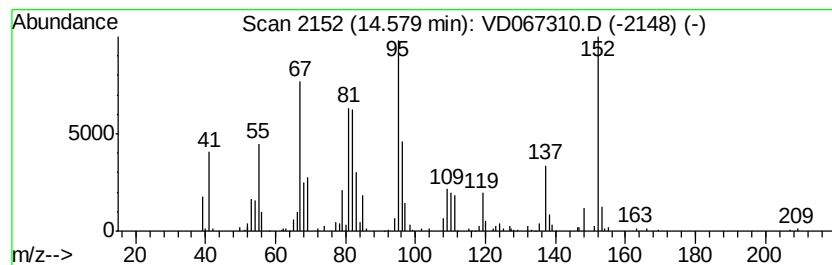
Instrument :  
MSVOA\_D  
ClientSampleId :  
BS-DRUM

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D101320S.M  
Quant Title : SW846 8260

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

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Peak Number 6 cis-Decalin, 2-syn-methyl- Concentration Rank 9

| R.T.      | EstConc                             | Area   | Relative to ISTD       | R.T.         |      |
|-----------|-------------------------------------|--------|------------------------|--------------|------|
| 14.58     | 35.40 ug/l                          | 268067 | 1,4-Dichlorobenzene-d4 | 13.58        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm                | CAS#         | Qual |
| 1         | Naphthalene, decahydro-2-methyl-    | 152    | C11H20                 | 002958-76-1  | 87   |
| 2         | cis-Decalin, 2-syn-methyl-          | 152    | C11H20                 | 1000155-85-6 | 72   |
| 3         | Cyclohexanone, 2-methyl-5-(1-met... | 152    | C10H16O                | 007764-50-3  | 64   |
| 4         | Cyclohexanone, 2-methyl-5-(1-met... | 152    | C10H16O                | 005948-04-9  | 64   |
| 5         | Pulegone                            | 152    | C10H16O                | 000089-82-7  | 49   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101920\  
Data File : VD067310.D  
Acq On : 19 Oct 2020 16:01  
Operator : VA/SY  
Sample : L4458-01  
Misc : 3.77G/5.00ml/MSVOA D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
BS-DRUM

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D101320S.M  
Quant Title : SW846 8260

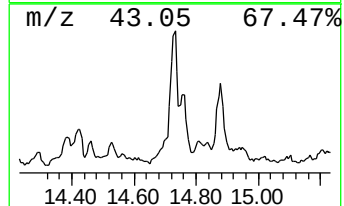
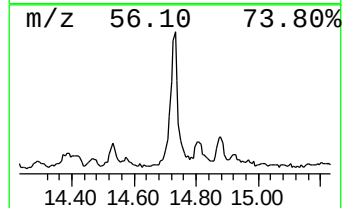
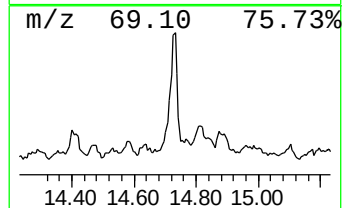
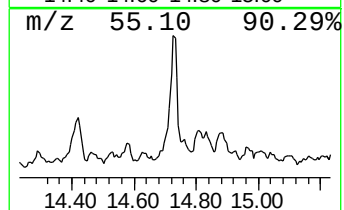
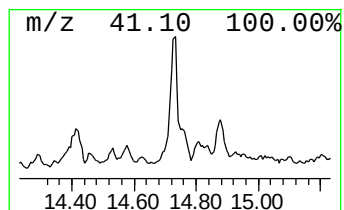
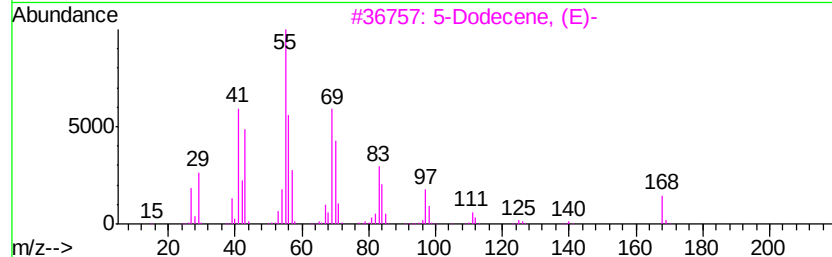
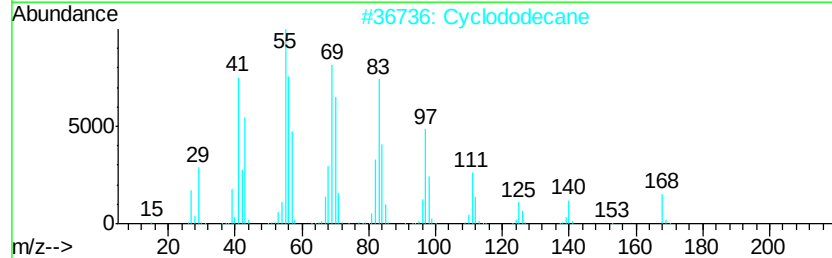
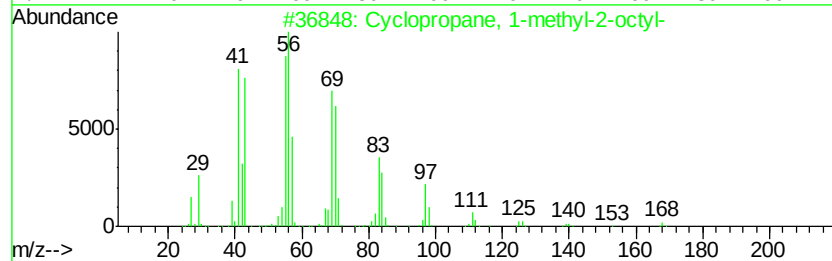
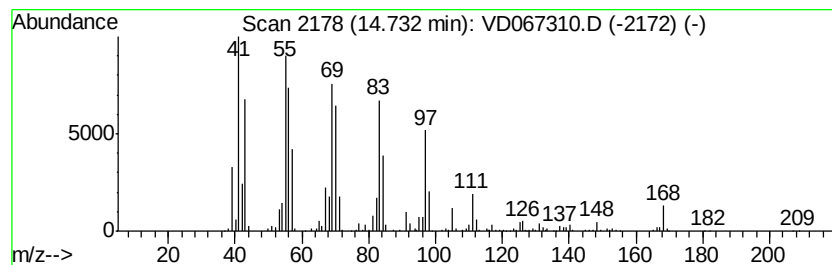
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Cyclopropane, 1-methyl-2-octyl- Concentration Rank 1

| R.T.  | EstConc     | Area   | Relative to ISTD       | R.T.  |
|-------|-------------|--------|------------------------|-------|
| 14.73 | 127.93 ug/l | 968638 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclopropane, 1-methyl-2-octyl- | 168 | C12H24  | 037617-26-8 | 91   |
| 2    |    | Cyclododecane                   | 168 | C12H24  | 000294-62-2 | 91   |
| 3    |    | 5-Dodecene, (E)-                | 168 | C12H24  | 007206-16-8 | 90   |
| 4    |    | 2-Tetradecene, (E)-             | 196 | C14H28  | 035953-54-9 | 90   |
| 5    |    | 4-Dodecene, (E)-                | 168 | C12H24  | 007206-15-7 | 87   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101920\  
Data File : VD067310.D  
Acq On : 19 Oct 2020 16:01  
Operator : VA/SY  
Sample : L4458-01  
Misc : 3.77G/5.00ml/MSVOA D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
BS-DRUM

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D101320S.M  
Quant Title : SW846 8260

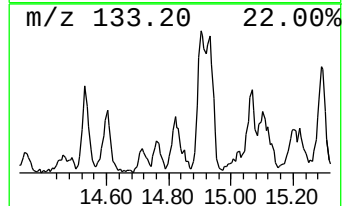
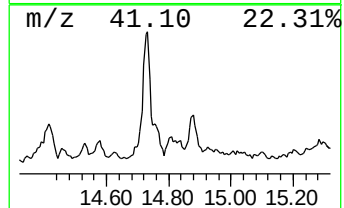
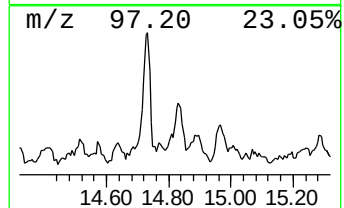
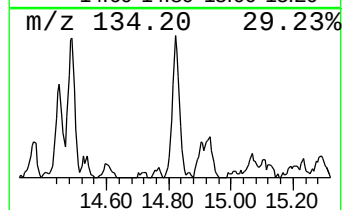
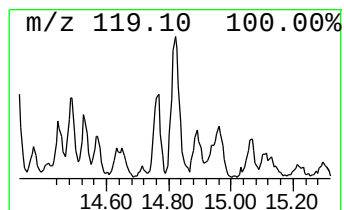
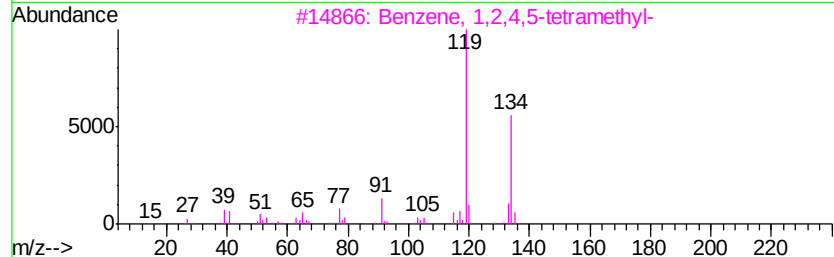
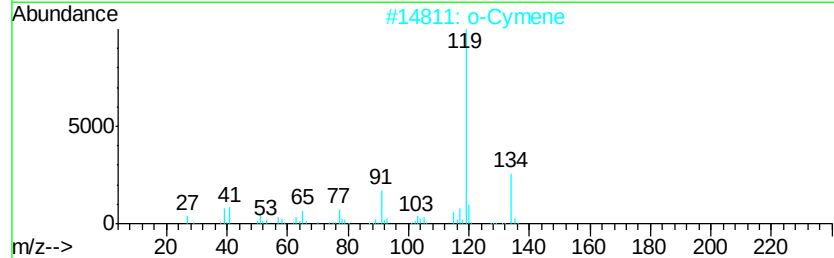
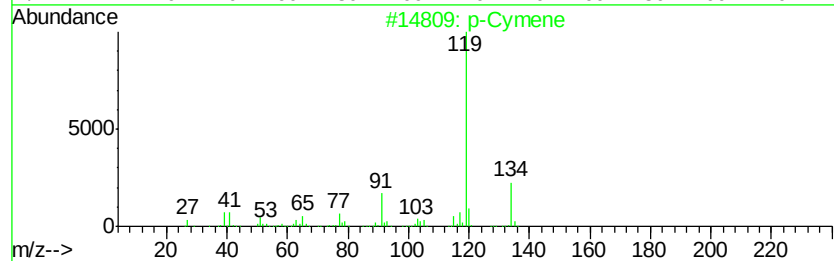
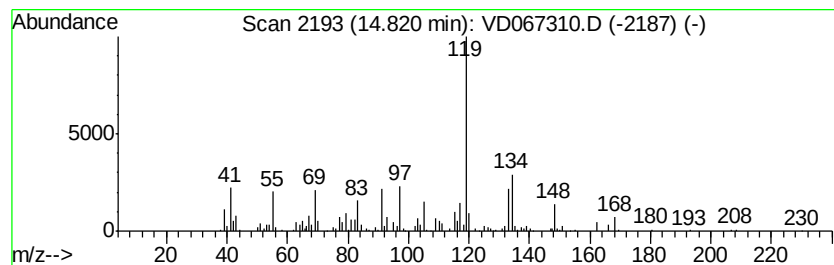
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 p-Cymene Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.82 | 70.03 ug/l | 530281 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 91   |
| 2    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 91   |
| 3    |    | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 70   |
| 4    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 64   |
| 5    |    | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101920\  
Data File : VD067310.D  
Acq On : 19 Oct 2020 16:01  
Operator : VA/SY  
Sample : L4458-01  
Misc : 3.77G/5.00ml/MSVOA D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

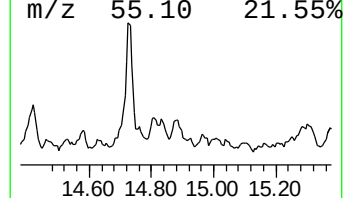
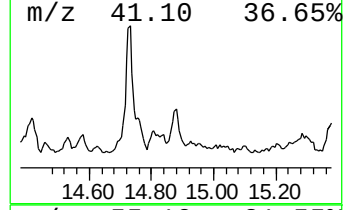
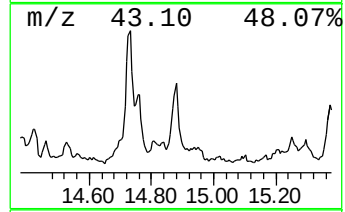
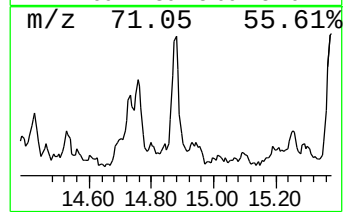
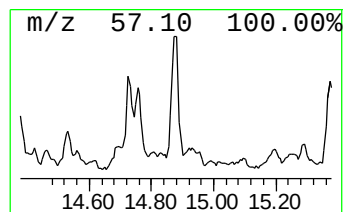
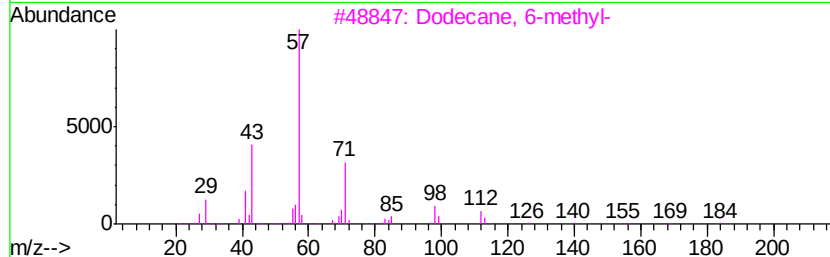
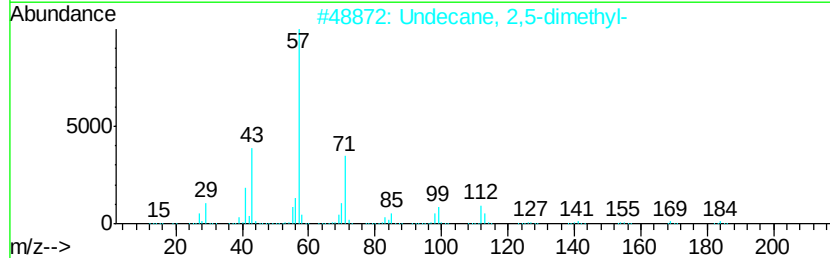
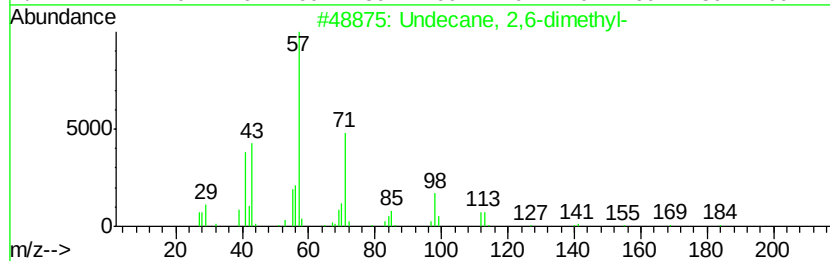
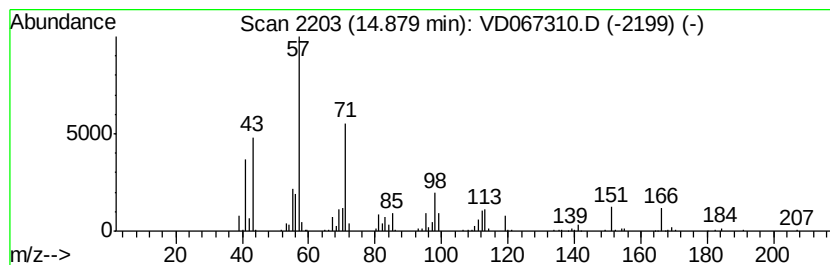
Instrument :  
MSVOA\_D  
ClientSampleId :  
BS-DRUM

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D101320S.M  
Quant Title : SW846 8260

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

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Peak Number 9 Undecane, 2,6-dimethyl- Concentration Rank 4

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |              |      |
|---------|-------------------------------------|--------------|------------------------|-----------|--------------|------|
| 14.88   | 55.00 ug/l                          | 416463       | 1,4-Dichlorobenzene-d4 | 13.58     |              |      |
| Hit# of | 5                                   | Tentative ID | MW                     | MolForm   | CAS#         | Qual |
| 1       | Undecane, 2,6-dimethyl-             |              | 184                    | C13H28    | 017301-23-4  | 90   |
| 2       | Undecane, 2,5-dimethyl-             |              | 184                    | C13H28    | 017301-22-3  | 55   |
| 3       | Dodecane, 6-methyl-                 |              | 184                    | C13H28    | 006044-71-9  | 49   |
| 4       | Sulfurous acid, 2-ethylhexyl hep... |              | 432                    | C25H52O3S | 1000309-20-0 | 46   |
| 5       | Heptadecane, 2,6,10,15-tetramethyl- |              | 296                    | C21H44    | 054833-48-6  | 46   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101920\  
Data File : VD067310.D  
Acq On : 19 Oct 2020 16:01  
Operator : VA/SY  
Sample : L4458-01  
Misc : 3.77G/5.00ml/MSVOA D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

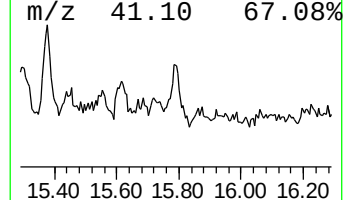
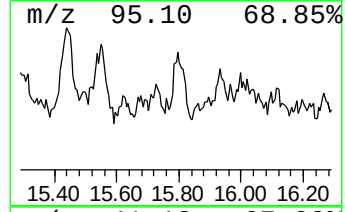
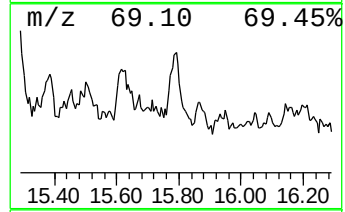
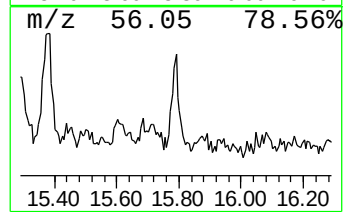
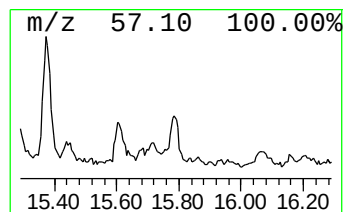
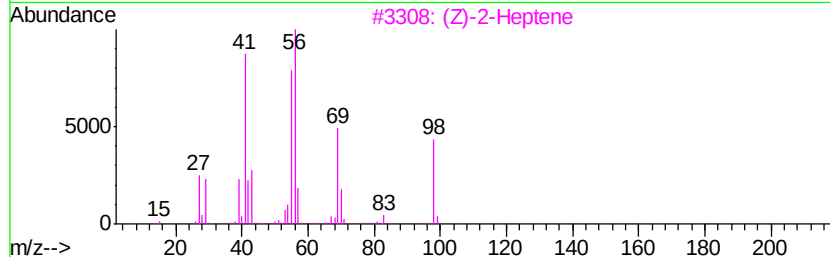
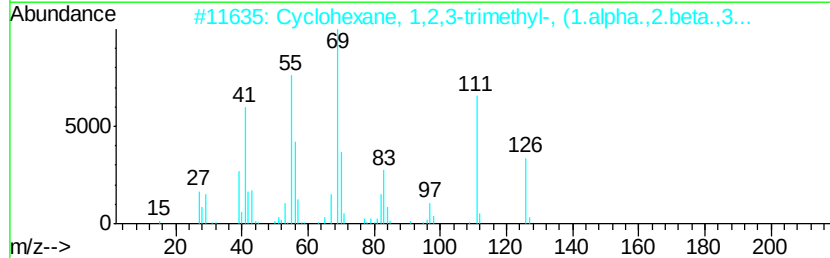
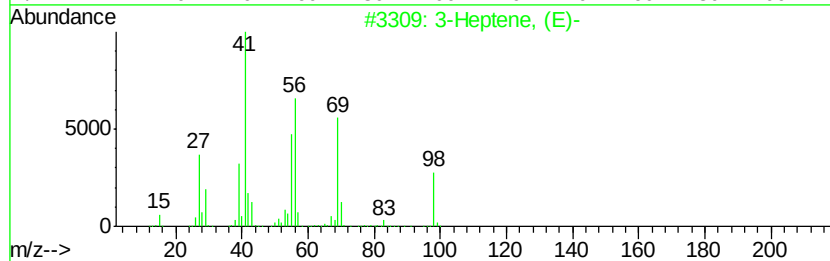
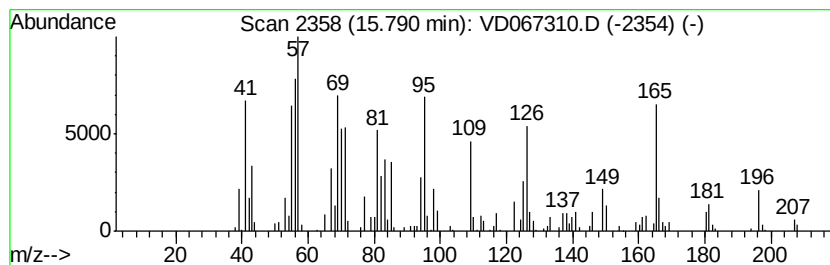
Instrument :  
MSVOA\_D  
ClientSampleId :  
BS-DRUM

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D101320S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 unknown15.79 Concentration Rank 8

| R.T.    | EstConc                              | Area         | Relative to ISTD       | R.T.           |
|---------|--------------------------------------|--------------|------------------------|----------------|
| 15.79   | 40.60 ug/l                           | 307453       | 1,4-Dichlorobenzene-d4 | 13.58          |
| Hit# of | 5                                    | Tentative ID | MW MolForm             | CAS# Qual      |
| 1       | 3-Heptene, (E)-                      |              | 98 C7H14               | 014686-14-7 35 |
| 2       | Cyclohexane, 1,2,3-trimethyl-, (...) |              | 126 C9H18              | 001678-81-5 25 |
| 3       | (Z)-2-Heptene                        |              | 98 C7H14               | 006443-92-1 18 |
| 4       | Heptane, 3,5-dimethyl-               |              | 128 C9H20              | 000926-82-9 18 |
| 5       | Cyclopentane, 1,2-dimethyl-, trans-  |              | 98 C7H14               | 000822-50-4 18 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD101920\  
Data File : VD067310.D  
Acq On : 19 Oct 2020 16:01  
Operator : VA/SY  
Sample : L4458-01  
Misc : 3.77G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
BS-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D101320S.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 |
| Undecane             | 13.90 | 101.5   | ug/l  | 768209   | 4                     | 13.58 | 378591 | 50.0 |
| Benzene, 1-methyl... | 14.23 | 49.8    | ug/l  | 376744   | 4                     | 13.58 | 378591 | 50.0 |
| unknown14.29         | 14.29 | 29.6    | ug/l  | 224307   | 4                     | 13.58 | 378591 | 50.0 |
| Naphthalene, deca... | 14.41 | 43.8    | ug/l  | 331746   | 4                     | 13.58 | 378591 | 50.0 |
| cis-Decalin, 2-sy... | 14.58 | 35.4    | ug/l  | 268067   | 4                     | 13.58 | 378591 | 50.0 |
| Cyclopropane, 1-m... | 14.73 | 127.9   | ug/l  | 968638   | 4                     | 13.58 | 378591 | 50.0 |
| p-Cymene             | 14.82 | 70.0    | ug/l  | 530281   | 4                     | 13.58 | 378591 | 50.0 |
| Undecane, 2,6-dim... | 14.88 | 55.0    | ug/l  | 416463   | 4                     | 13.58 | 378591 | 50.0 |
| unknown15.79         | 15.79 | 40.6    | ug/l  | 307453   | 4                     | 13.58 | 378591 | 50.0 |