

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\2018\VW101618\  
 Data File : VW006110.D  
 Acq On : 17 Oct 2018 06:56  
 Operator : VA/AP  
 Sample : J5539-07  
 Misc : 11.91G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-10-5-7FT

## 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\_W\METHOD\82W101518S.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         | 7.128       | 846           | 857         | 868          | rBV      | 12271          | 37259         | 1.99%           | 0.122%        |
| 2         | 7.890       | 974           | 982         | 986          | rBV3     | 11581          | 27115         | 1.45%           | 0.089%        |
| 3         | 7.951       | 986           | 992         | 1000         | rVB      | 24180          | 51469         | 2.74%           | 0.169%        |
| 4         | 8.311       | 1043          | 1051        | 1060         | rVB2     | 11237          | 25482         | 1.36%           | 0.083%        |
| 5         | 8.482       | 1073          | 1079        | 1088         | rVB      | 13029          | 30739         | 1.64%           | 0.101%        |
| 6         | 8.848       | 1130          | 1139        | 1146         | rBV      | 33733          | 67205         | 3.58%           | 0.220%        |
| 7         | 9.305       | 1207          | 1214        | 1217         | rBV2     | 16230          | 36542         | 1.95%           | 0.120%        |
| 8         | 9.610       | 1254          | 1264        | 1275         | rVB      | 23456          | 53055         | 2.83%           | 0.174%        |
| 9         | 9.756       | 1278          | 1288        | 1295         | rBV3     | 17100          | 37272         | 1.99%           | 0.122%        |
| 10        | 9.902       | 1303          | 1312        | 1315         | rBV2     | 12932          | 26709         | 1.42%           | 0.087%        |
| 11        | 10.085      | 1334          | 1342        | 1348         | rBV3     | 18826          | 42320         | 2.26%           | 0.139%        |
| 12        | 10.329      | 1374          | 1382        | 1386         | rBV2     | 74508          | 147965        | 7.89%           | 0.485%        |
| 13        | 10.500      | 1404          | 1410        | 1420         | rVB5     | 21177          | 54465         | 2.90%           | 0.178%        |
| 14        | 10.628      | 1421          | 1431        | 1434         | rBV      | 31002          | 66783         | 3.56%           | 0.219%        |
| 15        | 10.670      | 1434          | 1438        | 1445         | rVB      | 77629          | 136702        | 7.29%           | 0.448%        |
| 16        | 10.768      | 1447          | 1454        | 1458         | rBV5     | 24333          | 52916         | 2.82%           | 0.173%        |
| 17        | 10.853      | 1464          | 1468        | 1472         | rVB      | 18025          | 27820         | 1.48%           | 0.091%        |
| 18        | 10.939      | 1472          | 1482        | 1488         | rBV2     | 63558          | 120626        | 6.43%           | 0.395%        |
| 19        | 11.036      | 1488          | 1498        | 1506         | rBV3     | 41202          | 110327        | 5.88%           | 0.361%        |
| 20        | 11.115      | 1506          | 1511        | 1514         | rBV      | 30988          | 54123         | 2.89%           | 0.177%        |
| 21        | 11.183      | 1519          | 1522        | 1525         | rVV      | 33614          | 51423         | 2.74%           | 0.168%        |
| 22        | 11.231      | 1525          | 1530        | 1536         | rVV2     | 116726         | 229525        | 12.24%          | 0.752%        |
| 23        | 11.286      | 1536          | 1539        | 1543         | rVV2     | 42710          | 65219         | 3.48%           | 0.214%        |
| 24        | 11.341      | 1543          | 1548        | 1552         | rVB3     | 56869          | 97702         | 5.21%           | 0.320%        |
| 25        | 11.439      | 1559          | 1564        | 1572         | rVB      | 157917         | 283230        | 15.10%          | 0.928%        |
| 26        | 11.518      | 1572          | 1577        | 1581         | rBV      | 37982          | 78126         | 4.17%           | 0.256%        |
| 27        | 11.567      | 1581          | 1585        | 1591         | rBV6     | 17003          | 45231         | 2.41%           | 0.148%        |
| 28        | 11.634      | 1592          | 1596        | 1599         | rVV      | 42360          | 77559         | 4.14%           | 0.254%        |
| 29        | 11.670      | 1599          | 1602        | 1608         | rVB3     | 27617          | 45478         | 2.43%           | 0.149%        |
| 30        | 11.768      | 1614          | 1618        | 1622         | rBV2     | 49333          | 65557         | 3.50%           | 0.215%        |
| 31        | 11.823      | 1622          | 1627        | 1631         | rVV3     | 67838          | 114129        | 6.09%           | 0.374%        |
| 32        | 11.878      | 1631          | 1636        | 1639         | rVV      | 101121         | 172132        | 9.18%           | 0.564%        |
| 33        | 11.920      | 1640          | 1643        | 1648         | rVB4     | 97741          | 158570        | 8.46%           | 0.519%        |
| 34        | 11.981      | 1648          | 1653        | 1659         | rBV3     | 77459          | 172259        | 9.19%           | 0.564%        |

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 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-10-5-7FT

## 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\_W\METHOD\82W101518S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 12.067 | 1659 | 1667 | 1672 | rVB4 | 46835   | 119226  | 6.36%   | 0.390% |
| 36 | 12.146 | 1672 | 1680 | 1685 | rBV2 | 269408  | 606231  | 32.33%  | 1.985% |
| 37 | 12.195 | 1685 | 1688 | 1691 | rVV2 | 56516   | 103154  | 5.50%   | 0.338% |
| 38 | 12.256 | 1691 | 1698 | 1703 | rVB2 | 317558  | 582373  | 31.06%  | 1.907% |
| 39 | 12.347 | 1708 | 1713 | 1714 | rBV3 | 230567  | 345613  | 18.43%  | 1.132% |
| 40 | 12.457 | 1727 | 1731 | 1735 | rBV4 | 73250   | 119407  | 6.37%   | 0.391% |
| 41 | 12.512 | 1736 | 1740 | 1743 | rBV3 | 98292   | 176161  | 9.39%   | 0.577% |
| 42 | 12.542 | 1743 | 1745 | 1753 | rVB4 | 249340  | 429221  | 22.89%  | 1.406% |
| 43 | 12.621 | 1753 | 1758 | 1763 | rVB4 | 133402  | 230694  | 12.30%  | 0.756% |
| 44 | 12.707 | 1763 | 1772 | 1776 | rBV5 | 186813  | 497322  | 26.52%  | 1.629% |
| 45 | 12.749 | 1776 | 1779 | 1781 | rBV3 | 42489   | 58719   | 3.13%   | 0.192% |
| 46 | 12.786 | 1781 | 1785 | 1791 | rVB2 | 440768  | 789445  | 42.10%  | 2.585% |
| 47 | 12.865 | 1791 | 1798 | 1802 | rBV4 | 291552  | 705142  | 37.60%  | 2.309% |
| 48 | 12.938 | 1803 | 1810 | 1817 | rBV5 | 425658  | 1360015 | 72.53%  | 4.454% |
| 49 | 13.048 | 1825 | 1828 | 1829 | rBV2 | 52081   | 57436   | 3.06%   | 0.188% |
| 50 | 13.085 | 1830 | 1834 | 1838 | rVB3 | 251265  | 361935  | 19.30%  | 1.185% |
| 51 | 13.133 | 1838 | 1842 | 1844 | rBV3 | 173050  | 261682  | 13.95%  | 0.857% |
| 52 | 13.170 | 1844 | 1848 | 1854 | rVB  | 964340  | 1449749 | 77.31%  | 4.748% |
| 53 | 13.274 | 1861 | 1865 | 1866 | rBV2 | 135503  | 188294  | 10.04%  | 0.617% |
| 54 | 13.298 | 1866 | 1869 | 1873 | rVV  | 252708  | 364081  | 19.42%  | 1.192% |
| 55 | 13.353 | 1874 | 1878 | 1881 | rVV3 | 277416  | 434375  | 23.16%  | 1.423% |
| 56 | 13.450 | 1887 | 1894 | 1898 | rBV5 | 417366  | 1004456 | 53.57%  | 3.290% |
| 57 | 13.493 | 1898 | 1901 | 1906 | rVB4 | 366052  | 534241  | 28.49%  | 1.750% |
| 58 | 13.700 | 1930 | 1935 | 1940 | rBV3 | 285010  | 510021  | 27.20%  | 1.670% |
| 59 | 13.883 | 1960 | 1965 | 1970 | rBV  | 934337  | 1690827 | 90.17%  | 5.537% |
| 60 | 13.932 | 1970 | 1973 | 1977 | rVB4 | 217190  | 301967  | 16.10%  | 0.989% |
| 61 | 13.987 | 1978 | 1982 | 1986 | rBV4 | 285307  | 504409  | 26.90%  | 1.652% |
| 62 | 14.139 | 2004 | 2007 | 2013 | rVB  | 507426  | 780398  | 41.62%  | 2.556% |
| 63 | 14.200 | 2013 | 2017 | 2022 | rBV5 | 242559  | 458581  | 24.45%  | 1.502% |
| 64 | 14.273 | 2025 | 2029 | 2035 | rVB4 | 326467  | 536553  | 28.61%  | 1.757% |
| 65 | 14.328 | 2035 | 2038 | 2043 | rBV5 | 214537  | 454879  | 24.26%  | 1.490% |
| 66 | 14.395 | 2044 | 2049 | 2053 | rVB3 | 1027706 | 1671178 | 89.12%  | 5.473% |
| 67 | 14.554 | 2070 | 2075 | 2081 | rBV5 | 803418  | 1434189 | 76.48%  | 4.697% |
| 68 | 14.609 | 2081 | 2084 | 2089 | rVB6 | 184466  | 302977  | 16.16%  | 0.992% |
| 69 | 14.749 | 2104 | 2107 | 2112 | rBV4 | 192225  | 319172  | 17.02%  | 1.045% |
| 70 | 14.810 | 2113 | 2117 | 2120 | rVV3 | 390863  | 733631  | 39.12%  | 2.403% |
| 71 | 14.853 | 2120 | 2124 | 2132 | rVB2 | 996761  | 1875204 | 100.00% | 6.141% |

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Misc : 11.91G/5ML/MSVOA\_W/SOIL  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-10-5-7FT

## 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\_W\METHOD\82W101518S.M  
Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 15.255 | 2187 | 2190 | 2199 | rVB7 | 406021 | 976565 | 52.08% | 3.198% |
| 73 | 15.340 | 2200 | 2204 | 2210 | rVB2 | 554234 | 876866 | 46.76% | 2.872% |
| 74 | 15.517 | 2229 | 2233 | 2240 | rVB4 | 375647 | 840741 | 44.83% | 2.753% |
| 75 | 15.651 | 2251 | 2255 | 2265 | rVB9 | 159547 | 577986 | 30.82% | 1.893% |
| 76 | 15.749 | 2266 | 2271 | 2279 | rVB5 | 284042 | 576687 | 30.75% | 1.889% |
| 77 | 16.169 | 2334 | 2340 | 2352 | rVB5 | 162509 | 563545 | 30.05% | 1.846% |
| 78 | 16.389 | 2372 | 2376 | 2381 | rBV4 | 53026  | 120426 | 6.42%  | 0.394% |
| 79 | 16.462 | 2382 | 2388 | 2407 | rVB6 | 135803 | 589435 | 31.43% | 1.930% |
| 80 | 16.651 | 2415 | 2419 | 2428 | rVB2 | 80696  | 196246 | 10.47% | 0.643% |

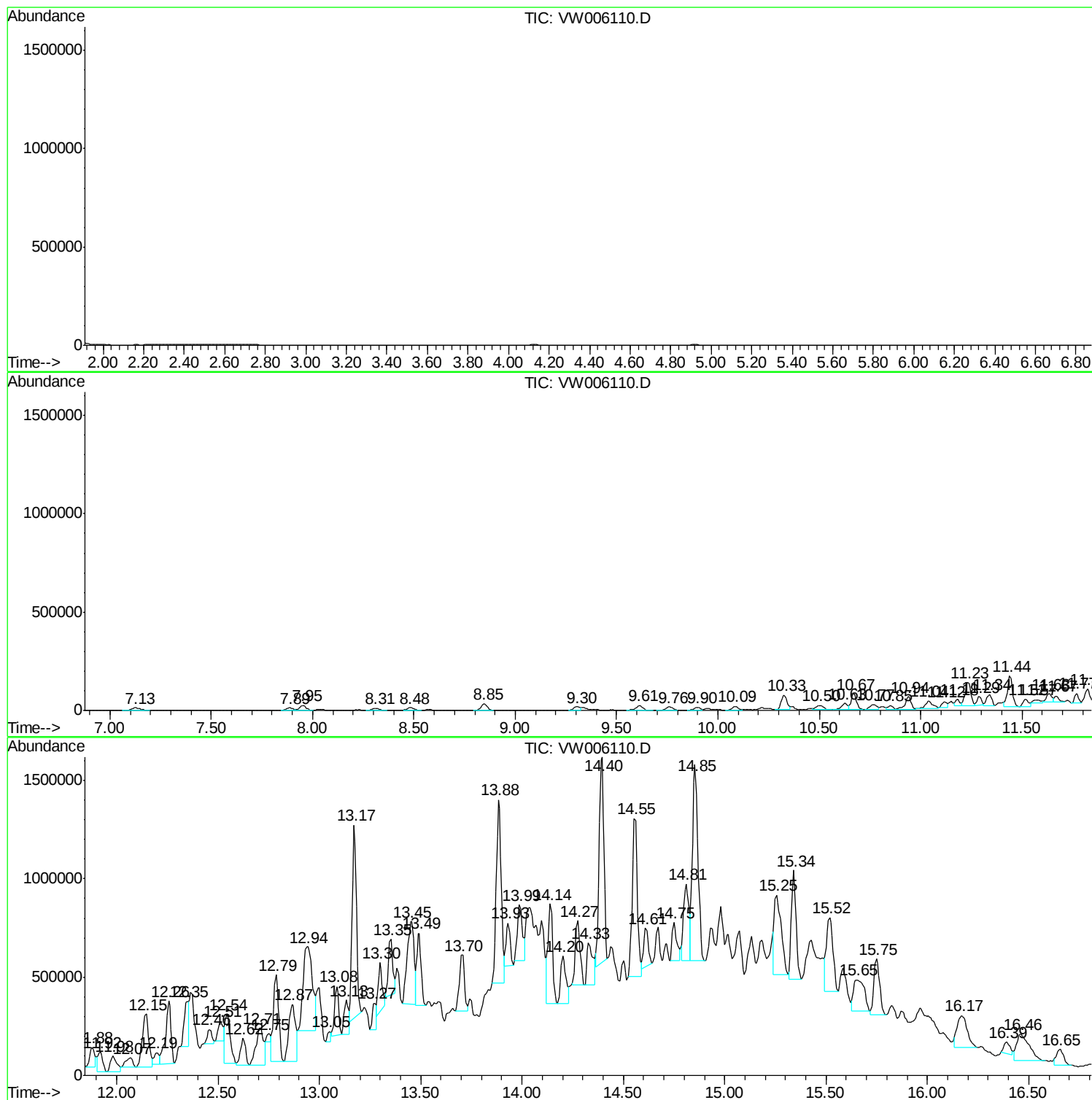
Sum of corrected areas: 30534489

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\2018\VW101618\  
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Instrument :  
MSVOA\_W  
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\2018\VW101618\  
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ALS Vial : 46 Sample Multiplier: 1

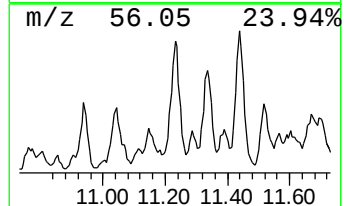
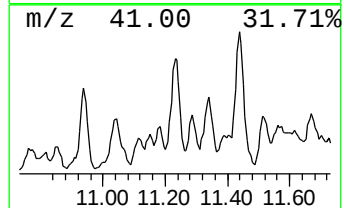
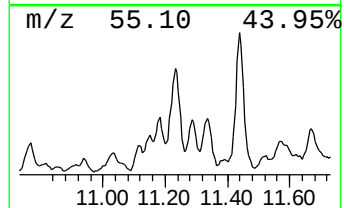
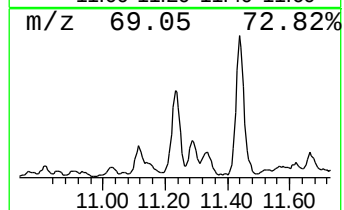
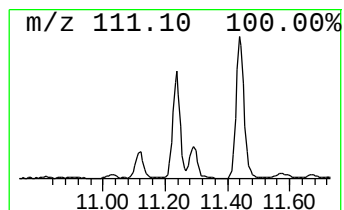
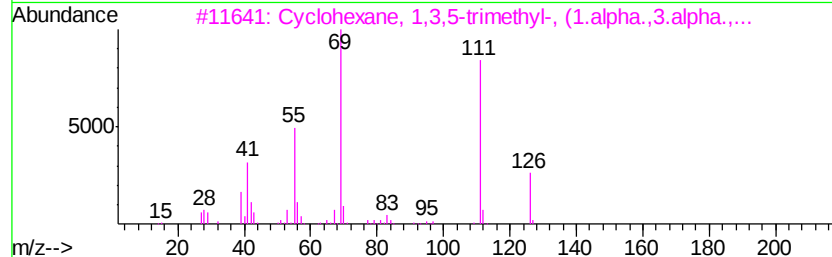
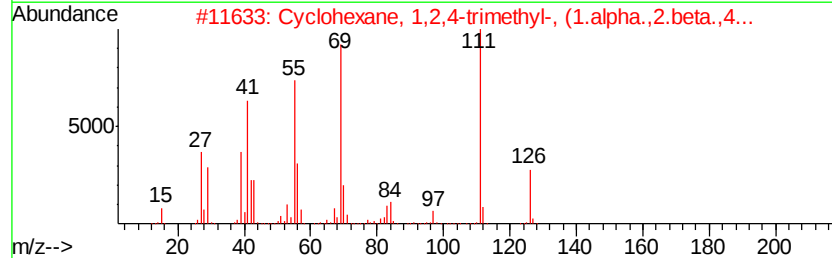
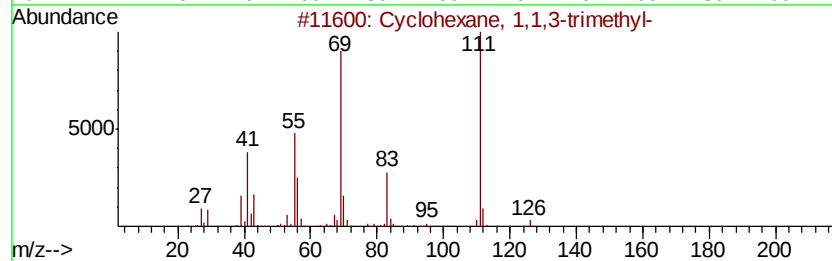
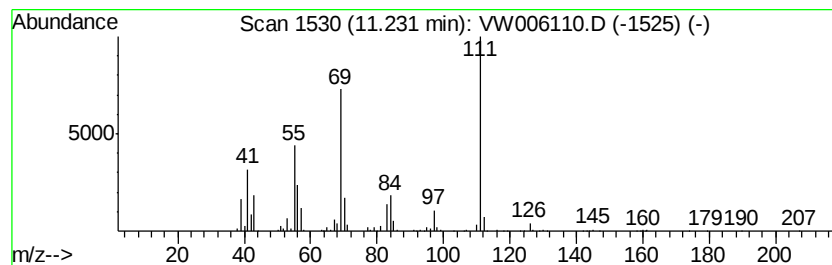
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-10-5-7FT

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 9

| R.T.    | EstConc     | Area                                 | Relative to ISTD | R.T.    |             |      |
|---------|-------------|--------------------------------------|------------------|---------|-------------|------|
| 11.23   | 147.97 ug/l | 229525                               | Chlorobenzene-d5 | 11.63   |             |      |
| Hit# of | 5           | Tentative ID                         | MW               | MolForm | CAS#        | Qual |
| 1       |             | Cyclohexane, 1,1,3-trimethyl-        | 126              | C9H18   | 003073-66-3 | 81   |
| 2       |             | Cyclohexane, 1,2,4-trimethyl-, (...) | 126              | C9H18   | 007667-60-9 | 78   |
| 3       |             | Cyclohexane, 1,3,5-trimethyl-, (...) | 126              | C9H18   | 001795-27-3 | 53   |
| 4       |             | 1-Cyclohexanone, 3-butyl-3-methyl-   | 168              | C11H20O | 051756-29-7 | 53   |
| 5       |             | Benzenamine, 2-fluoro-               | 111              | C6H6FN  | 000348-54-9 | 50   |



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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
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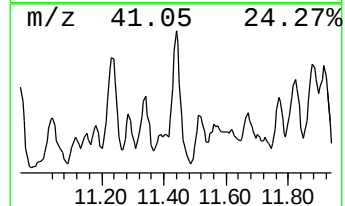
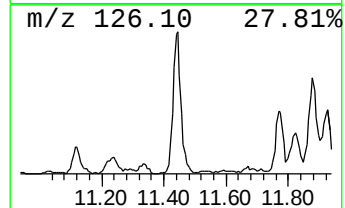
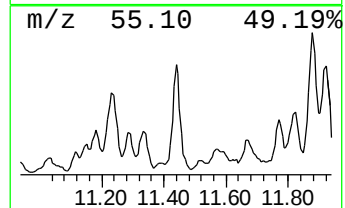
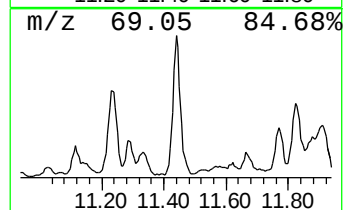
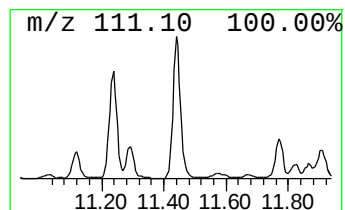
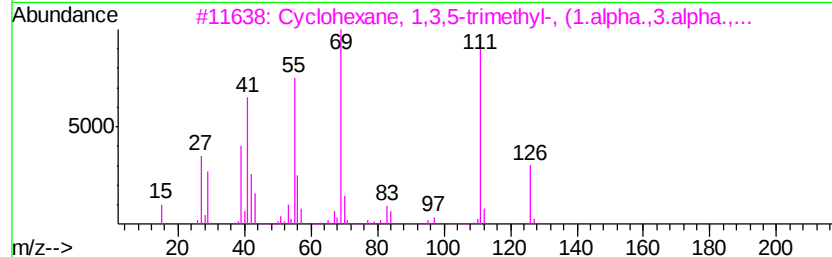
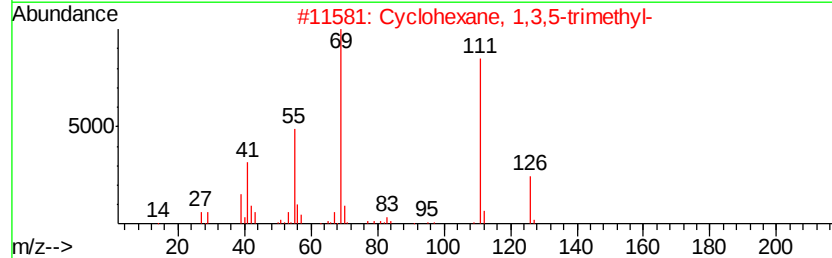
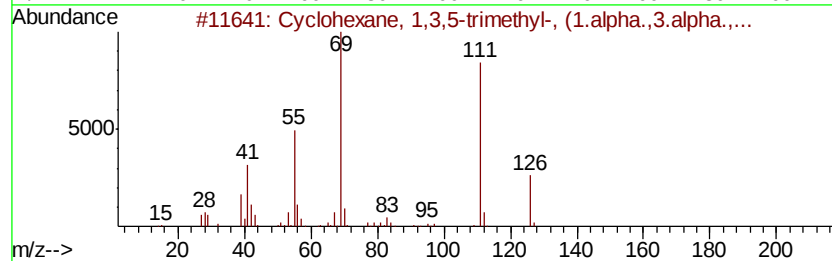
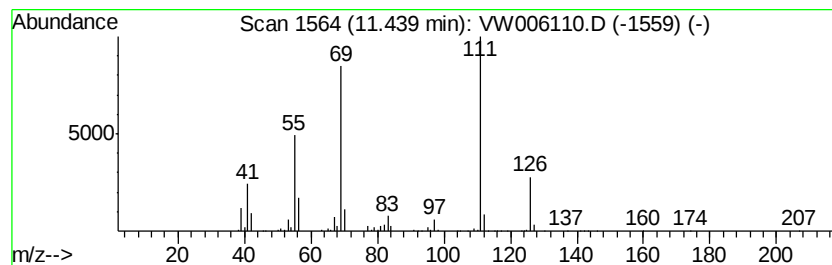
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Cyclohexane, 1,3,5-trimethy... Concentration Rank 5

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 11.44 | 182.59 ug/l | 283230 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,3,5-trimethyl-, (...) | 126 | C9H18   | 001795-27-3 | 94   |
| 2    |    | Cyclohexane, 1,3,5-trimethyl-        | 126 | C9H18   | 001839-63-0 | 91   |
| 3    |    | Cyclohexane, 1,3,5-trimethyl-, (...) | 126 | C9H18   | 001795-26-2 | 91   |
| 4    |    | Cyclohexane, 1,2,4-trimethyl-, (...) | 126 | C9H18   | 007667-60-9 | 81   |
| 5    |    | 2-Pyrazoline, 1-isopropyl-5-methyl-  | 126 | C7H14N2 | 026964-54-5 | 80   |



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Quant Title : SW846 8260

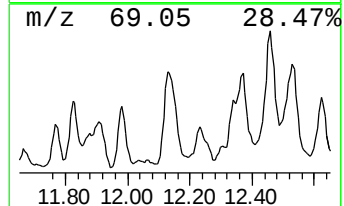
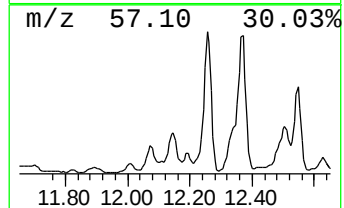
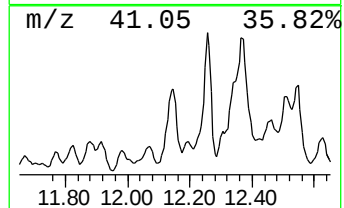
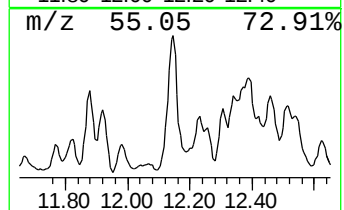
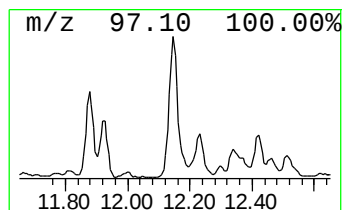
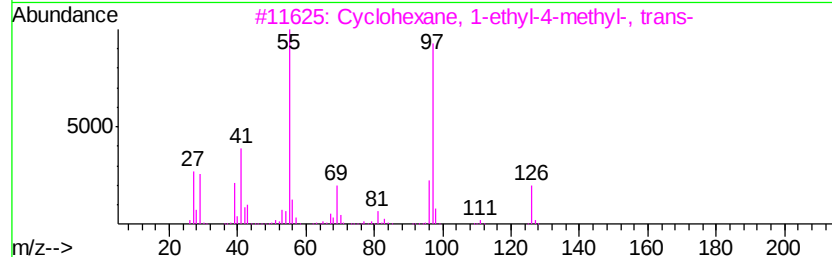
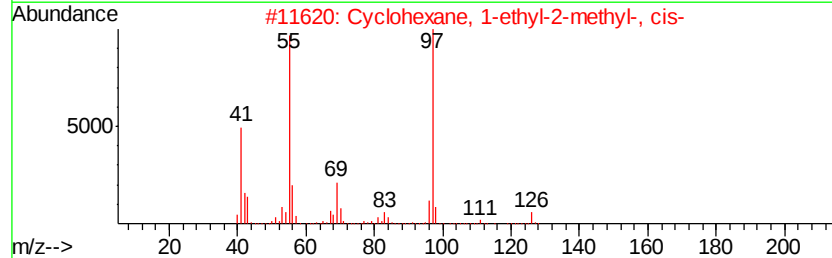
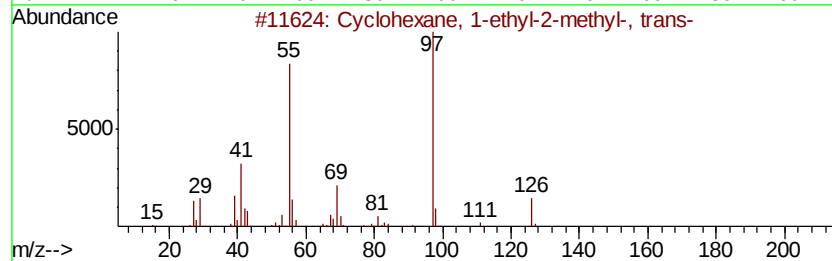
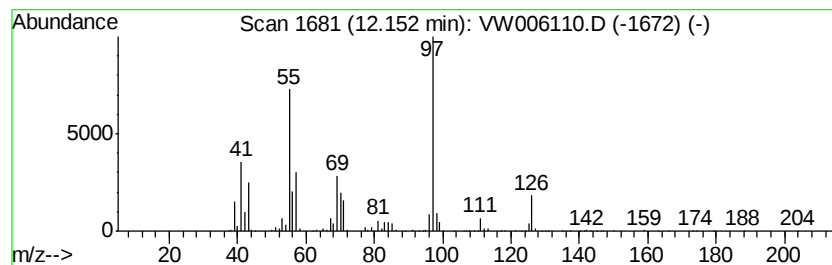
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 1

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 12.15 | 390.82 ug/l | 606231 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18   | 004923-78-8 | 64   |
| 2    |    | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18   | 004923-77-7 | 59   |
| 3    |    | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 006236-88-0 | 58   |
| 4    |    | 4-Undecen-6-one                     | 168 | C11H20O | 032064-74-7 | 53   |
| 5    |    | 3,5-Dimethyl-3-heptene              | 126 | C9H18   | 059643-68-4 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\2018\VW101618\  
Data File : VW006110.D  
Acq On : 17 Oct 2018 06:56  
Operator : VA/AP  
Sample : J5539-07  
Misc : 11.91G/5ML/MSVOA\_W/SOIL  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-10-5-7FT

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260

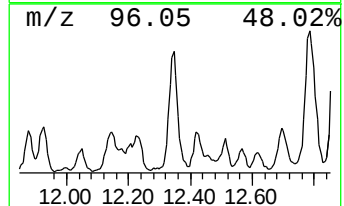
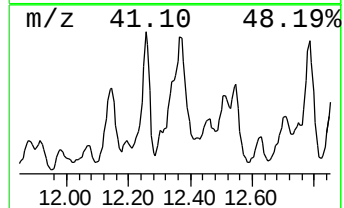
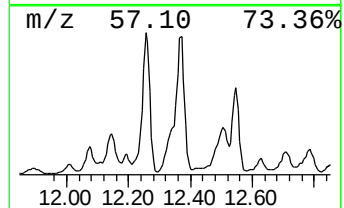
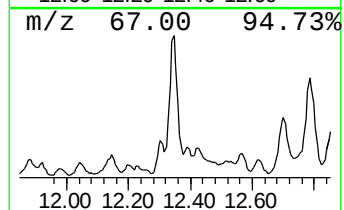
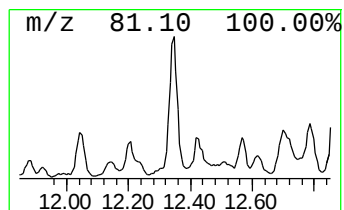
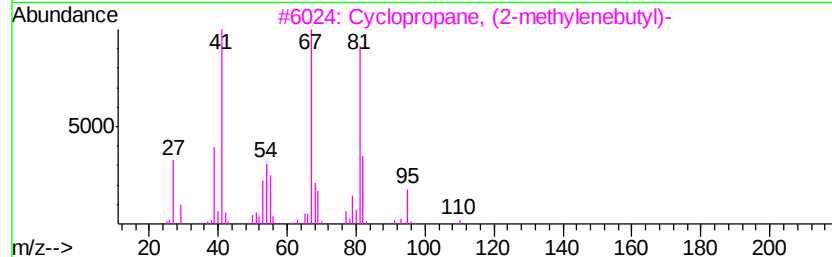
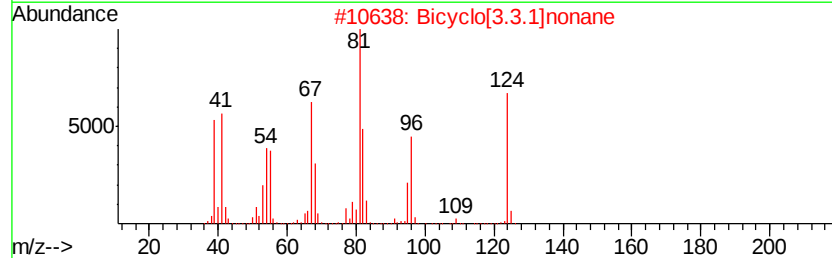
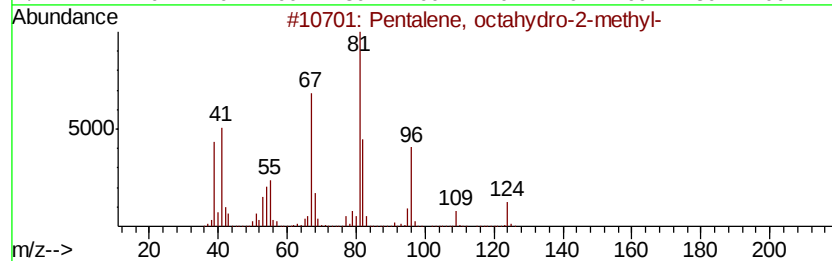
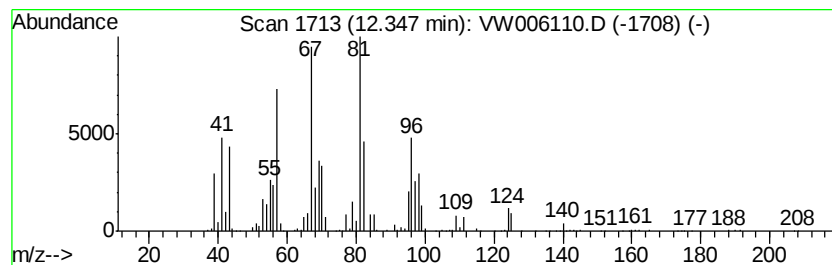
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Pentalene, octahydro-2-methyl- Concentration Rank 4

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 12.35 | 222.81 ug/l | 345613 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentalene, octahydro-2-methyl-    | 124 | C9H16   | 003868-64-2 | 89   |
| 2    |    | Bicyclo[3.3.1]nonane              | 124 | C9H16   | 000280-65-9 | 58   |
| 3    |    | Cyclopropane, (2-methylenebutyl)- | 110 | C8H14   | 074685-56-6 | 52   |
| 4    |    | Cyclohexane, methylene-           | 96  | C7H12   | 001192-37-6 | 52   |
| 5    |    | Cyclohexene,3-propyl-             | 124 | C9H16   | 003983-06-0 | 46   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\2018\VW101618\  
Data File : VW006110.D  
Acq On : 17 Oct 2018 06:56  
Operator : VA/AP  
Sample : J5539-07  
Misc : 11.91G/5ML/MSVOA\_W/SOIL  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-10-5-7FT

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260

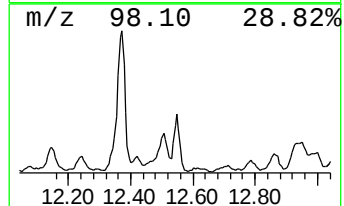
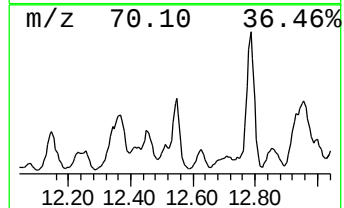
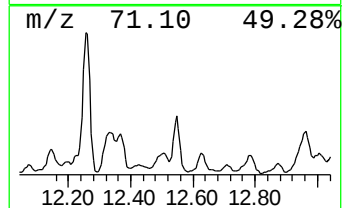
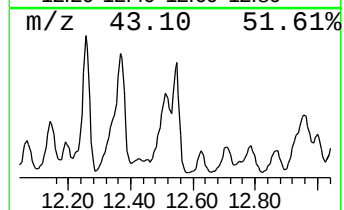
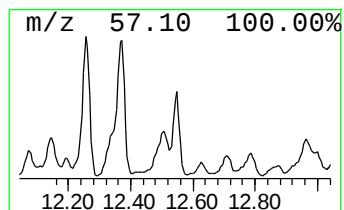
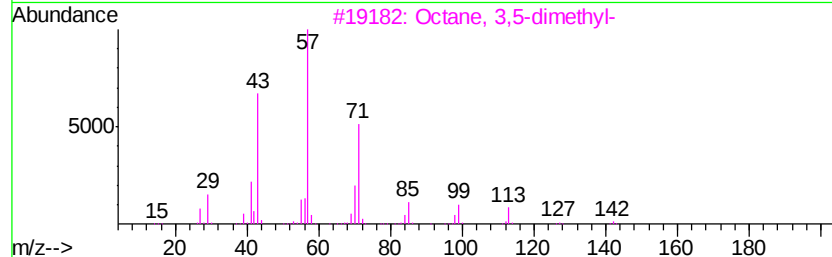
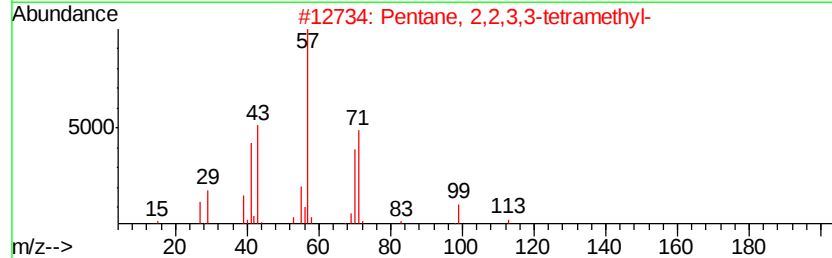
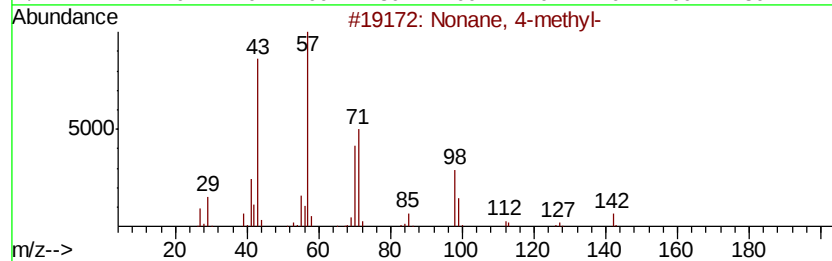
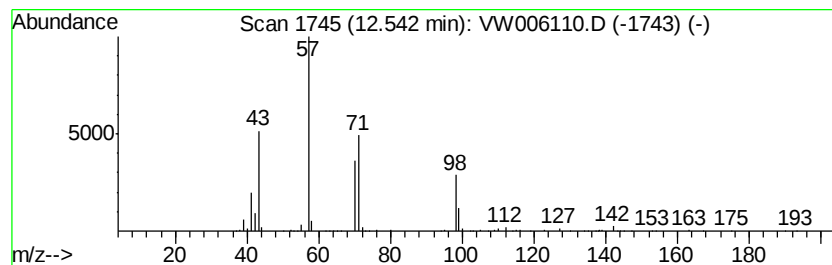
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Nonane, 4-methyl- Concentration Rank 3

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 12.54 | 276.71 ug/l | 429221 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Nonane, 4-methyl-             | 142 | C10H22  | 017301-94-9 | 86   |
| 2    |    | Pentane, 2,2,3,3-tetramethyl- | 128 | C9H20   | 007154-79-2 | 59   |
| 3    |    | Octane, 3,5-dimethyl-         | 142 | C10H22  | 015869-93-9 | 53   |
| 4    |    | Heptane, 2,3,4-trimethyl-     | 142 | C10H22  | 052896-95-4 | 53   |
| 5    |    | Octane, 2,5-dimethyl-         | 142 | C10H22  | 015869-89-3 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\2018\VW101618\  
Data File : VW006110.D  
Acq On : 17 Oct 2018 06:56  
Operator : VA/AP  
Sample : J5539-07  
Misc : 11.91G/5ML/MSVOA\_W/SOIL  
ALS Vial : 46 Sample Multiplier: 1

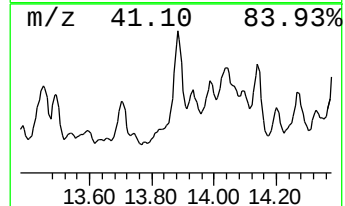
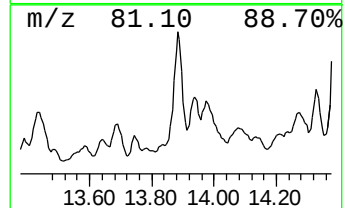
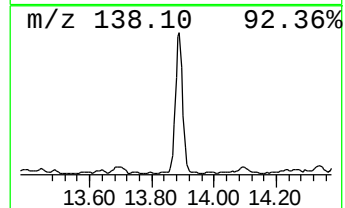
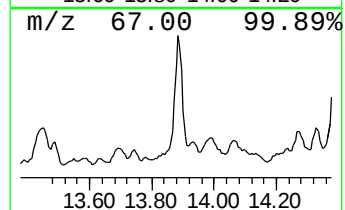
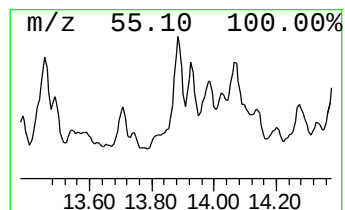
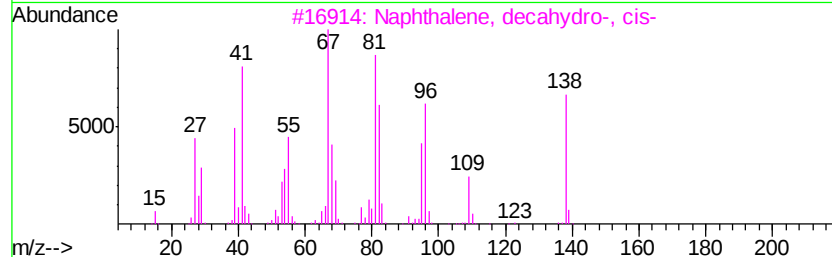
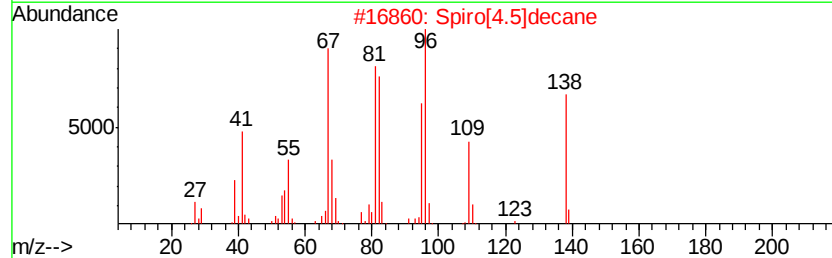
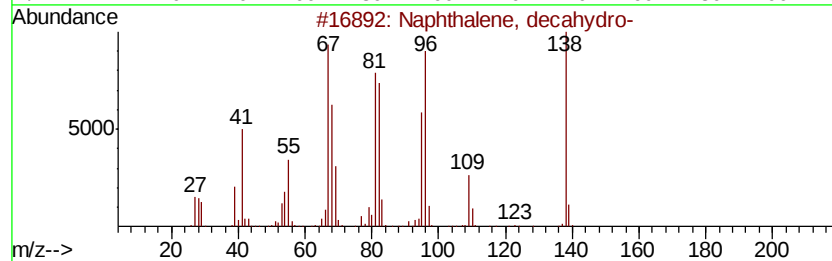
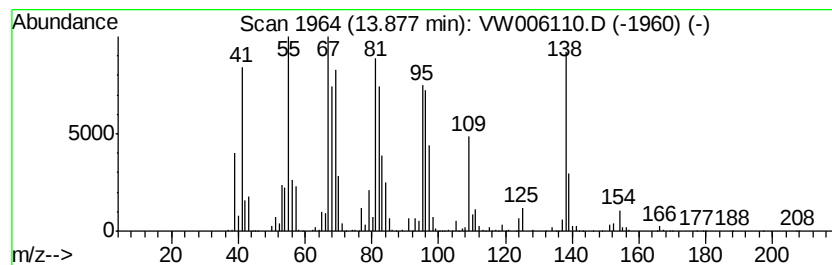
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-10-5-7FT

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260

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

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Peak Number 7 Naphthalene, decahydro- Concentration Rank 7

| R.T.    | EstConc     | Area                          | Relative to ISTD       | R.T.           |
|---------|-------------|-------------------------------|------------------------|----------------|
| 13.88   | 158.25 ug/l | 1690830                       | 1,4-Dichlorobenzene-d4 | 13.57          |
| Hit# of | 5           | Tentative ID                  | MW MolForm             | CAS# Qual      |
| 1       |             | Naphthalene, decahydro-       | 138 C10H18             | 000091-17-8 94 |
| 2       |             | Spiro[4.5]decane              | 138 C10H18             | 000176-63-6 93 |
| 3       |             | Naphthalene, decahydro-, cis- | 138 C10H18             | 000493-01-6 83 |
| 4       |             | Cyclodecanol                  | 156 C10H20O            | 001502-05-2 83 |
| 5       |             | Cyclodecene                   | 138 C10H18             | 003618-12-0 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\2018\VW101618\  
Data File : VW006110.D  
Acq On : 17 Oct 2018 06:56  
Operator : VA/AP  
Sample : J5539-07  
Misc : 11.91G/5ML/MSVOA\_W/SOIL  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-10-5-7FT

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260

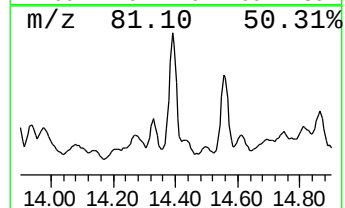
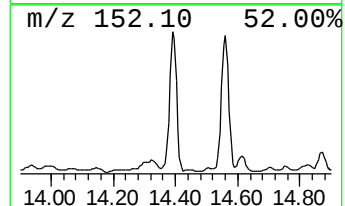
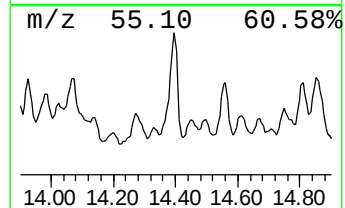
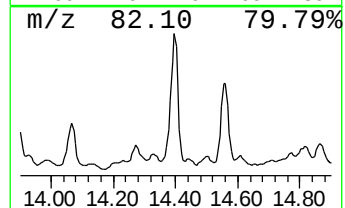
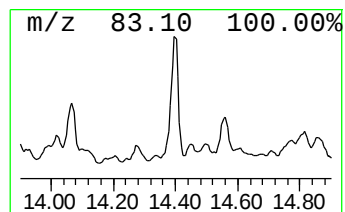
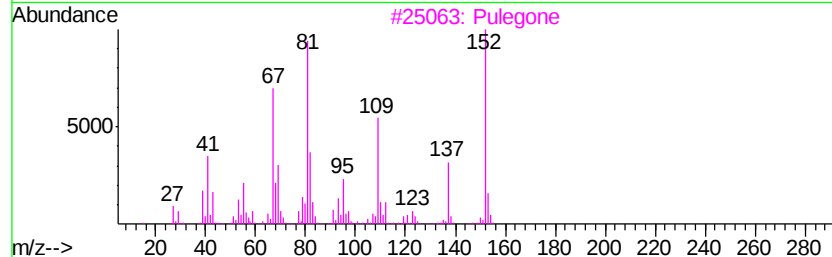
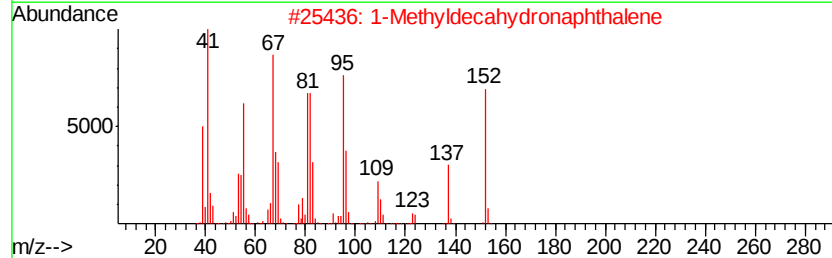
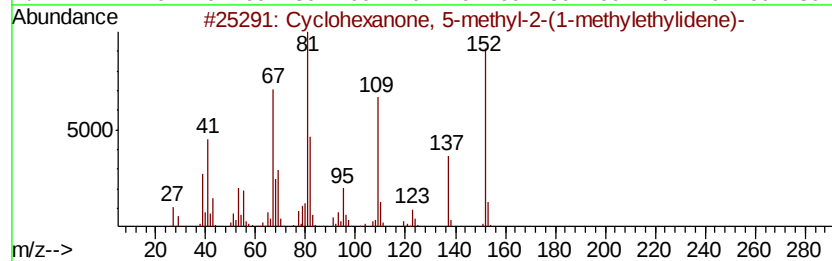
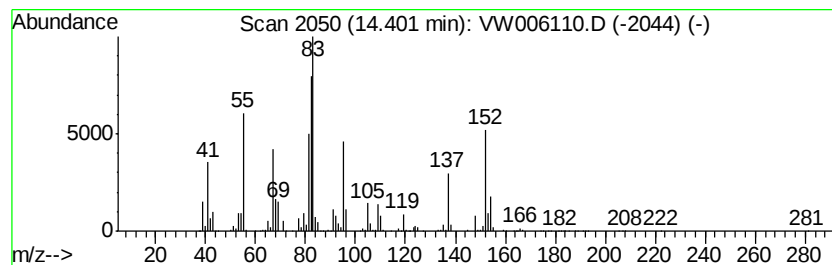
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 unknown-14.40 Concentration Rank 8

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 14.40 | 156.41 ug/l | 1671180 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6 | 46   |
| 2    |    | 1-Methyldecahydronaphthalene        | 152 | C11H20  | 002958-75-0 | 43   |
| 3    |    | Pulegone                            | 152 | C10H16O | 000089-82-7 | 43   |
| 4    |    | Cyclohexene, 1-pentyl-              | 152 | C11H20  | 015232-85-6 | 43   |
| 5    |    | Furan, 2-hexyl-                     | 152 | C10H16O | 003777-70-6 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\2018\VW101618\  
Data File : VW006110.D  
Acq On : 17 Oct 2018 06:56  
Operator : VA/AP  
Sample : J5539-07  
Misc : 11.91G/5ML/MSVOA\_W/SOIL  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-10-5-7FT

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260

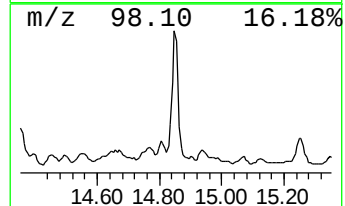
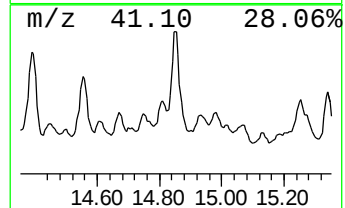
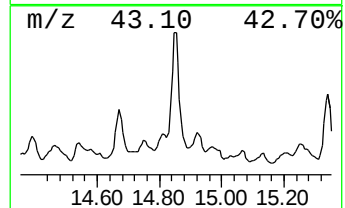
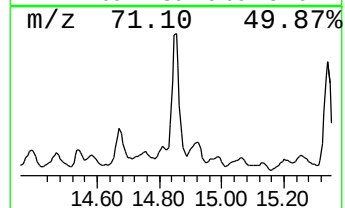
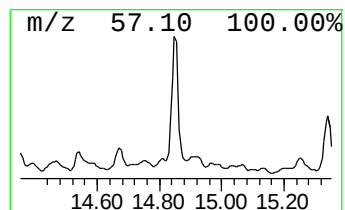
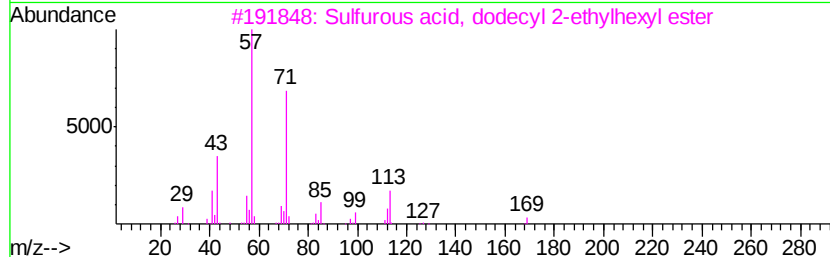
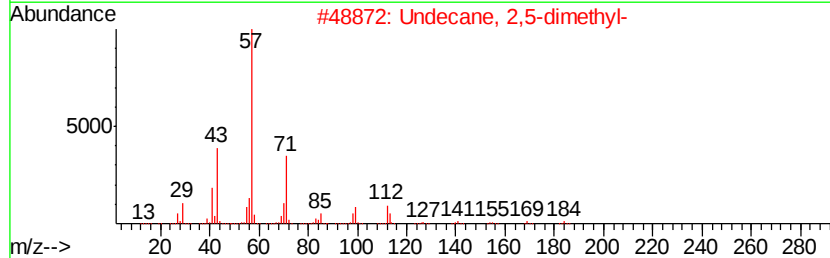
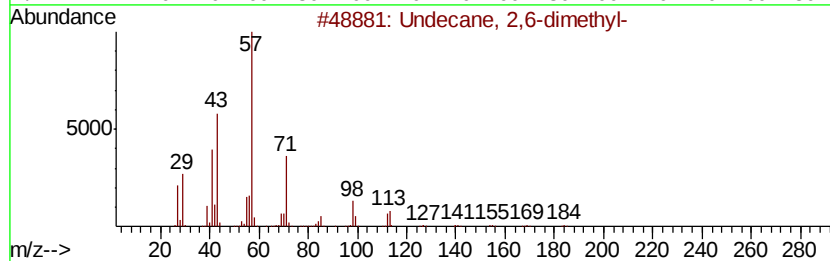
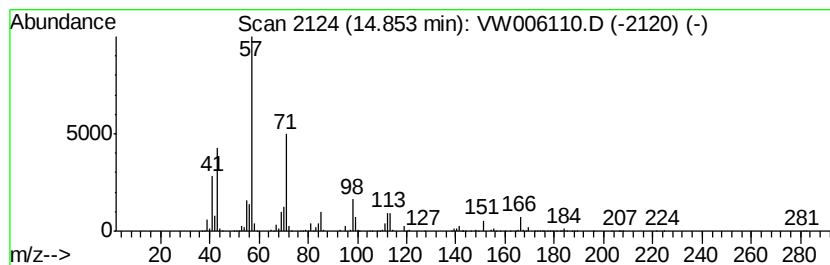
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Undecane, 2,6-dimethyl- Concentration Rank 6

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 14.85 | 175.50 ug/l | 1875200 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Undecane, 2,6-dimethyl-             | 184 | C13H28    | 017301-23-4  | 70   |
| 2    |    | Undecane, 2,5-dimethyl-             | 184 | C13H28    | 017301-22-3  | 64   |
| 3    |    | Sulfurous acid, dodecyl 2-ethylh... | 362 | C20H42O3S | 1000309-19-5 | 59   |
| 4    |    | Sulfurous acid, butyl 2-ethylhex... | 250 | C12H26O3S | 1000309-18-8 | 59   |
| 5    |    | Sulfurous acid, butyl octyl ester   | 250 | C12H26O3S | 1000309-17-5 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\2018\VW101618\  
Data File : VW006110.D  
Acq On : 17 Oct 2018 06:56  
Operator : VA/AP  
Sample : J5539-07  
Misc : 11.91G/5ML/MSVOA\_W/SOIL  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-10-5-7FT

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.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, 1,1,... | 11.23 | 148.0   | ug/l  | 229525   | 3                     | 11.63 | 77559  | 50.0 |
| Cyclohexane, 1,3,... | 11.44 | 182.6   | ug/l  | 283230   | 3                     | 11.63 | 77559  | 50.0 |
| Cyclohexane, 1-et... | 12.15 | 390.8   | ug/l  | 606231   | 3                     | 11.63 | 77559  | 50.0 |
| Pentalene, octahy... | 12.35 | 222.8   | ug/l  | 345613   | 3                     | 11.63 | 77559  | 50.0 |
| Nonane, 4-methyl-    | 12.54 | 276.7   | ug/l  | 429221   | 3                     | 11.63 | 77559  | 50.0 |
| Naphthalene, deca... | 13.88 | 158.3   | ug/l  | 1690830  | 4                     | 13.57 | 534241 | 50.0 |
| unknown-14.40        | 14.40 | 156.4   | ug/l  | 1671180  | 4                     | 13.57 | 534241 | 50.0 |
| Undecane, 2,6-dim... | 14.85 | 175.5   | ug/l  | 1875200  | 4                     | 13.57 | 534241 | 50.0 |