

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110718\  
 Data File : VW006741.D  
 Acq On : 07 Nov 2018 17:24  
 Operator : SY/AP  
 Sample : J5819-07  
 Misc : 5.05G/5ML/MSVOA W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BES48\_SB03\_1.5-2

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\82W110218S.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         | 1.952       | 6             | 8           | 13           | rVB      | 9613           | 12672         | 1.29%           | 0.165%        |
| 2         | 4.147       | 356           | 368         | 386          | rBV      | 41937          | 138461        | 14.06%          | 1.804%        |
| 3         | 4.909       | 483           | 493         | 506          | rBV2     | 23701          | 80223         | 8.15%           | 1.045%        |
| 4         | 7.159       | 850           | 862         | 881          | rBV2     | 42800          | 163500        | 16.60%          | 2.130%        |
| 5         | 7.890       | 971           | 982         | 986          | rBV      | 137052         | 326186        | 33.13%          | 4.250%        |
| 6         | 7.951       | 986           | 992         | 1001         | rVV      | 344003         | 760557        | 77.24%          | 9.909%        |
| 7         | 8.037       | 1001          | 1006        | 1014         | rVB2     | 6317           | 13944         | 1.42%           | 0.182%        |
| 8         | 8.311       | 1043          | 1051        | 1062         | rVB      | 116404         | 261295        | 26.54%          | 3.404%        |
| 9         | 8.848       | 1129          | 1139        | 1153         | rBV      | 458297         | 895369        | 90.93%          | 11.665%       |
| 10        | 9.305       | 1206          | 1214        | 1215         | rBV3     | 6310           | 10992         | 1.12%           | 0.143%        |
| 11        | 9.610       | 1255          | 1264        | 1271         | rVB2     | 13197          | 28129         | 2.86%           | 0.366%        |
| 12        | 9.756       | 1280          | 1288        | 1297         | rVB3     | 20859          | 44075         | 4.48%           | 0.574%        |
| 13        | 9.945       | 1315          | 1319        | 1325         | rVB3     | 6931           | 12485         | 1.27%           | 0.163%        |
| 14        | 10.085      | 1334          | 1342        | 1347         | rBV2     | 20233          | 42683         | 4.33%           | 0.556%        |
| 15        | 10.329      | 1373          | 1382        | 1396         | rBV      | 504826         | 925111        | 93.95%          | 12.052%       |
| 16        | 10.494      | 1403          | 1409        | 1420         | rVB3     | 33824          | 81396         | 8.27%           | 1.060%        |
| 17        | 10.628      | 1420          | 1431        | 1433         | rBV4     | 12219          | 26571         | 2.70%           | 0.346%        |
| 18        | 10.670      | 1433          | 1438        | 1448         | rVB2     | 55659          | 101666        | 10.32%          | 1.325%        |
| 19        | 10.768      | 1448          | 1454        | 1459         | rBV2     | 16884          | 33421         | 3.39%           | 0.435%        |
| 20        | 10.853      | 1464          | 1468        | 1472         | rVV3     | 6553           | 10883         | 1.11%           | 0.142%        |
| 21        | 10.939      | 1479          | 1482        | 1488         | rVB2     | 7504           | 11330         | 1.15%           | 0.148%        |
| 22        | 11.152      | 1508          | 1517        | 1524         | rBV4     | 17911          | 42126         | 4.28%           | 0.549%        |
| 23        | 11.237      | 1524          | 1531        | 1536         | rVV      | 127212         | 234467        | 23.81%          | 3.055%        |
| 24        | 11.292      | 1536          | 1540        | 1543         | rVV4     | 12245          | 22524         | 2.29%           | 0.293%        |
| 25        | 11.335      | 1543          | 1547        | 1552         | rVB2     | 20243          | 35001         | 3.55%           | 0.456%        |
| 26        | 11.439      | 1558          | 1564        | 1573         | rVB2     | 21054          | 40507         | 4.11%           | 0.528%        |
| 27        | 11.634      | 1589          | 1596        | 1606         | rVV      | 580407         | 984667        | 100.00%         | 12.828%       |
| 28        | 11.725      | 1606          | 1611        | 1615         | rVV3     | 11266          | 20680         | 2.10%           | 0.269%        |
| 29        | 11.768      | 1615          | 1618        | 1623         | rVV2     | 13127          | 18979         | 1.93%           | 0.247%        |
| 30        | 11.823      | 1623          | 1627        | 1630         | rVV4     | 7364           | 12756         | 1.30%           | 0.166%        |
| 31        | 11.902      | 1632          | 1640        | 1648         | rVB4     | 30176          | 77411         | 7.86%           | 1.009%        |
| 32        | 12.042      | 1658          | 1663        | 1668         | rBV2     | 6588           | 12282         | 1.25%           | 0.160%        |
| 33        | 12.146      | 1670          | 1680        | 1687         | rBV5     | 17848          | 46669         | 4.74%           | 0.608%        |
| 34        | 12.341      | 1707          | 1712        | 1721         | rVV6     | 23277          | 51162         | 5.20%           | 0.667%        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110718\  
 Data File : VW006741.D  
 Acq On : 07 Nov 2018 17:24  
 Operator : SY/AP  
 Sample : J5819-07  
 Misc : 5.05G/5ML/MSVOA W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BES48\_SB03\_1.5-2

## 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\82W110218S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 35 | 12.420 | 1721 | 1725 | 1729 | rVV7 | 5942   | 11726  | 1.19%  | 0.153%  |
| 36 | 12.469 | 1729 | 1733 | 1738 | rVV7 | 7780   | 16349  | 1.66%  | 0.213%  |
| 37 | 12.530 | 1738 | 1743 | 1747 | rVV4 | 7361   | 12514  | 1.27%  | 0.163%  |
| 38 | 12.621 | 1751 | 1758 | 1766 | rVB  | 322964 | 529303 | 53.75% | 6.896%  |
| 39 | 12.701 | 1766 | 1771 | 1774 | rBV3 | 13143  | 22956  | 2.33%  | 0.299%  |
| 40 | 12.743 | 1774 | 1778 | 1781 | rVV4 | 13089  | 27120  | 2.75%  | 0.353%  |
| 41 | 12.786 | 1781 | 1785 | 1792 | rVB2 | 36773  | 64327  | 6.53%  | 0.838%  |
| 42 | 12.938 | 1801 | 1810 | 1815 | rVV4 | 24419  | 66104  | 6.71%  | 0.861%  |
| 43 | 13.176 | 1845 | 1849 | 1855 | rBV5 | 11886  | 23408  | 2.38%  | 0.305%  |
| 44 | 13.237 | 1855 | 1859 | 1867 | rVB6 | 8404   | 21253  | 2.16%  | 0.277%  |
| 45 | 13.322 | 1867 | 1873 | 1877 | rBV5 | 10644  | 23097  | 2.35%  | 0.301%  |
| 46 | 13.383 | 1877 | 1883 | 1887 | rVB4 | 25407  | 47496  | 4.82%  | 0.619%  |
| 47 | 13.456 | 1887 | 1895 | 1900 | rBV7 | 30620  | 87569  | 8.89%  | 1.141%  |
| 48 | 13.517 | 1901 | 1905 | 1907 | rVV5 | 19132  | 37090  | 3.77%  | 0.483%  |
| 49 | 13.566 | 1907 | 1913 | 1921 | rVB  | 496900 | 817319 | 83.00% | 10.648% |
| 50 | 13.664 | 1921 | 1929 | 1934 | rBV4 | 12992  | 32743  | 3.33%  | 0.427%  |
| 51 | 13.719 | 1934 | 1938 | 1944 | rVV4 | 24592  | 53401  | 5.42%  | 0.696%  |
| 52 | 13.804 | 1947 | 1952 | 1957 | rVV4 | 22604  | 52734  | 5.36%  | 0.687%  |
| 53 | 13.847 | 1957 | 1959 | 1972 | rVB9 | 13601  | 43051  | 4.37%  | 0.561%  |
| 54 | 14.017 | 1980 | 1987 | 1989 | rVV3 | 12873  | 29673  | 3.01%  | 0.387%  |
| 55 | 14.054 | 1990 | 1993 | 2003 | rVV2 | 17733  | 38488  | 3.91%  | 0.501%  |
| 56 | 14.212 | 2013 | 2019 | 2022 | rBV5 | 6086   | 12766  | 1.30%  | 0.166%  |
| 57 | 14.255 | 2022 | 2026 | 2030 | rVB6 | 5627   | 10331  | 1.05%  | 0.135%  |
| 58 | 14.359 | 2035 | 2043 | 2046 | rBV5 | 6629   | 14776  | 1.50%  | 0.193%  |

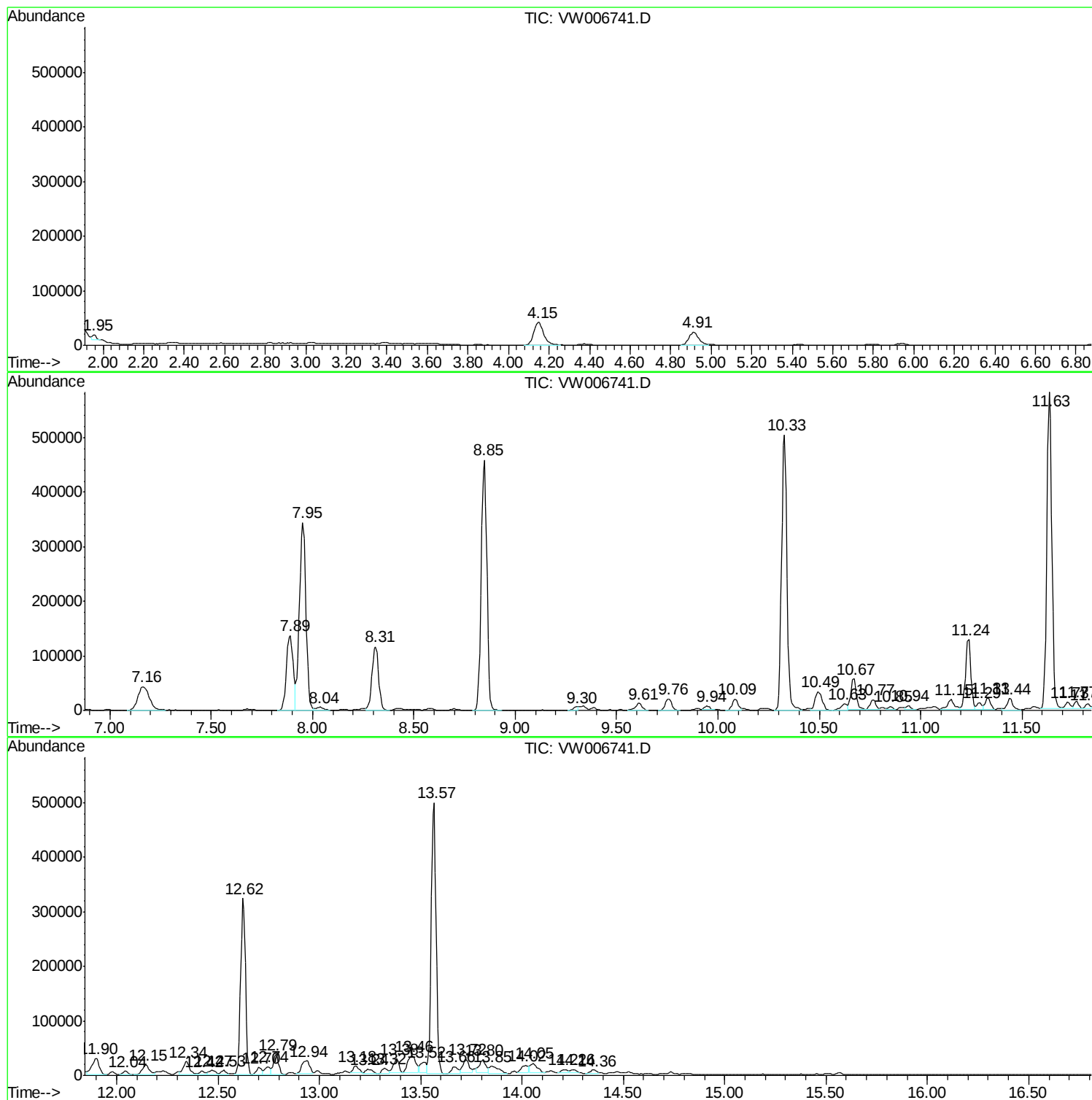
Sum of corrected areas: 7675774

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110718\  
Data File : VW006741.D  
Acq On : 07 Nov 2018 17:24  
Operator : SY/AP  
Sample : J5819-07  
Misc : 5.05G/5ML/MSVOA W/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BES48\_SB03\_1.5-2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W110218S.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110718\  
Data File : VW006741.D  
Acq On : 07 Nov 2018 17:24  
Operator : SY/AP  
Sample : J5819-07  
Misc : 5.05G/5ML/MSVOA W/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BES48\_SB03\_1.5-2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W110218S.M  
Quant Title : SW846 8260

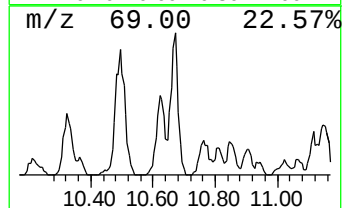
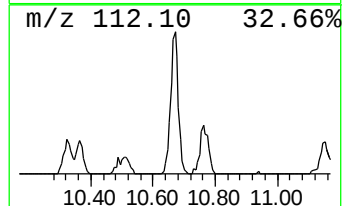
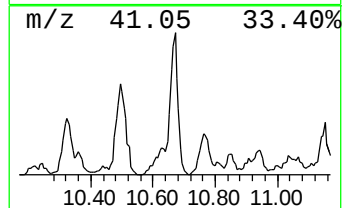
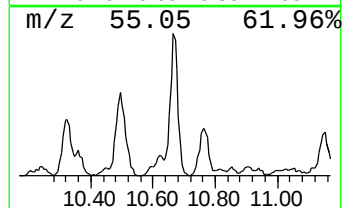
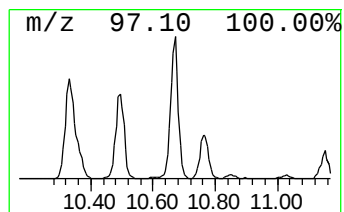
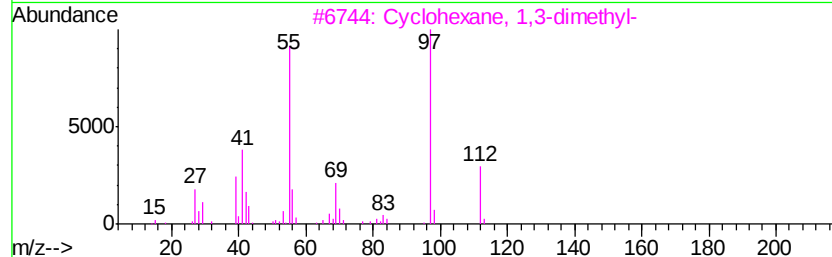
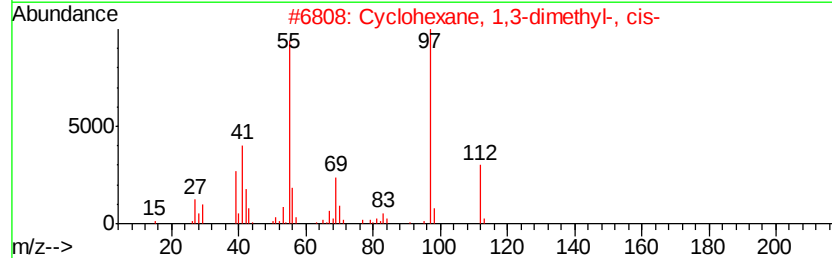
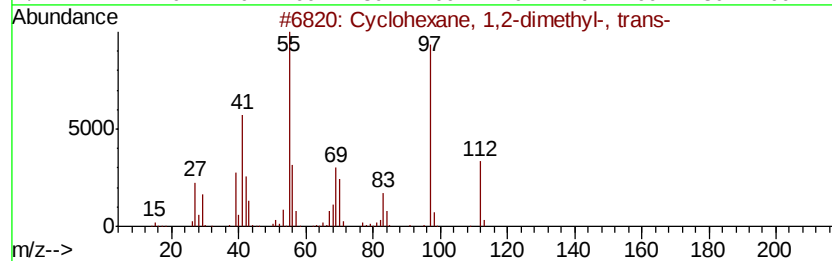
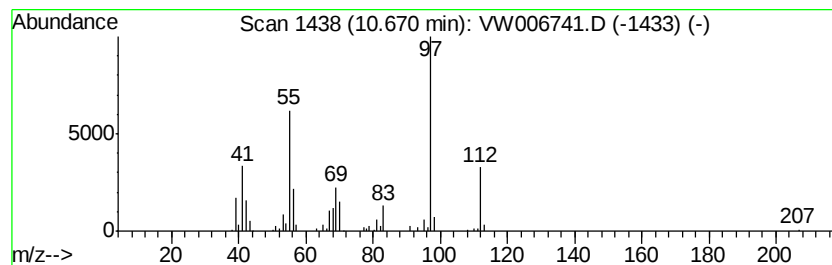
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 10.67 | 5.16 ug/l | 101666 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,2-dimethyl-, trans- | 112 | C8H16   | 006876-23-9 | 91   |
| 2    |    | Cyclohexane, 1,3-dimethyl-, cis-   | 112 | C8H16   | 000638-04-0 | 90   |
| 3    |    | Cyclohexane, 1,3-dimethyl-         | 112 | C8H16   | 000591-21-9 | 87   |
| 4    |    | Cyclohexane, 1,4-dimethyl-         | 112 | C8H16   | 000589-90-2 | 86   |
| 5    |    | 2-Pyrazoline, 1,3,4-trimethyl-     | 112 | C6H12N2 | 014044-41-8 | 83   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110718\  
Data File : VW006741.D  
Acq On : 07 Nov 2018 17:24  
Operator : SY/AP  
Sample : J5819-07  
Misc : 5.05G/5ML/MSVOA W/SOIL  
ALS Vial : 11 Sample Multiplier: 1

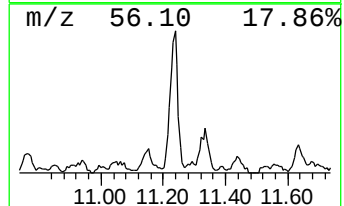
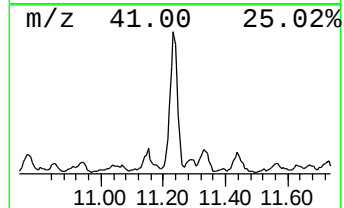
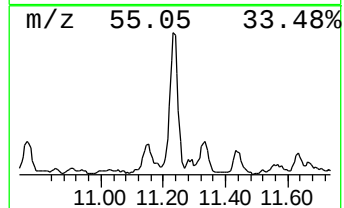
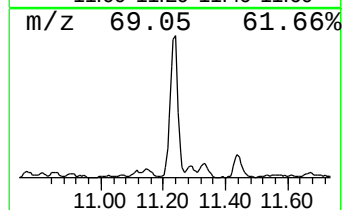
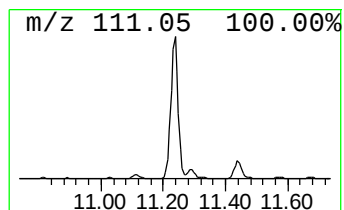
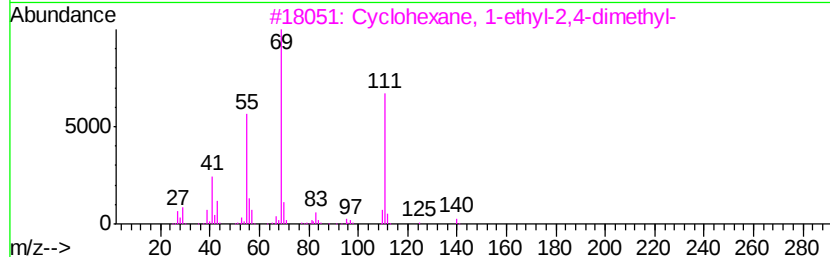
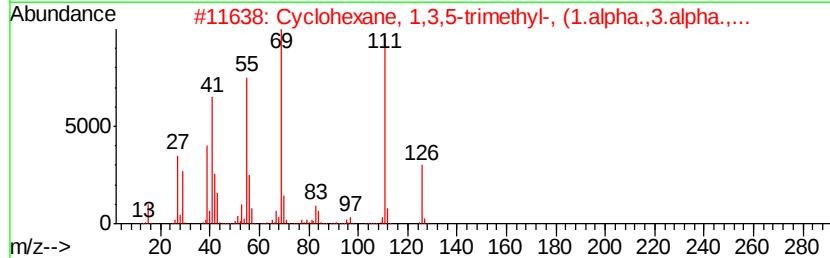
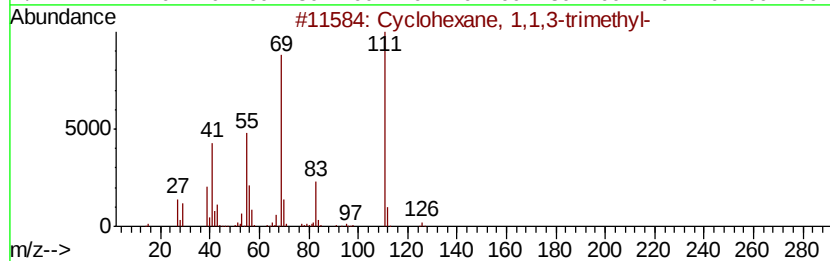
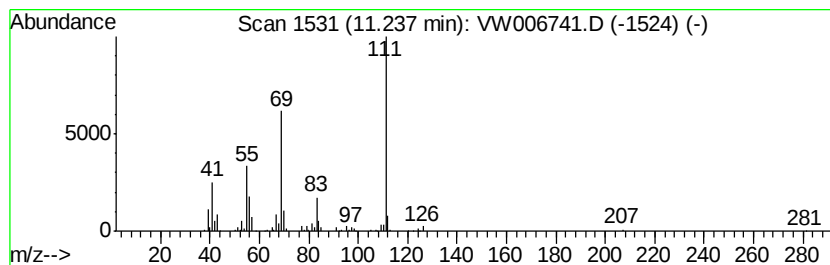
Instrument :  
MSVOA\_W  
ClientSampleId :  
BES48\_SB03\_1.5-2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W110218S.M  
Quant Title : SW846 8260

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

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

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.    |             |      |
|---------|------------|-------------------------------------|------------------|---------|-------------|------|
| 11.24   | 11.91 ug/l | 234467                              | Chlorobenzene-d5 | 11.63   |             |      |
| Hit# of | 5          | Tentative ID                        | MW               | MolForm | CAS#        | Qual |
| 1       |            | Cyclohexane, 1,1,3-trimethyl-       | 126              | C9H18   | 003073-66-3 | 93   |
| 2       |            | Cyclohexane, 1,3,5-trimethyl-, (... | 126              | C9H18   | 001795-26-2 | 72   |
| 3       |            | Cyclohexane, 1-ethyl-2,4-dimethyl-  | 140              | C10H20  | 061142-69-6 | 64   |
| 4       |            | Cyclohexane, 1,3,5-trimethyl-, (... | 126              | C9H18   | 001795-27-3 | 64   |
| 5       |            | Acetanilide, 4'-fluoro-             | 153              | C8H8FNO | 000351-83-7 | 53   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110718\  
Data File : VW006741.D  
Acq On : 07 Nov 2018 17:24  
Operator : SY/AP  
Sample : J5819-07  
Misc : 5.05G/5ML/MSVOA W/SOIL  
ALS Vial : 11 Sample Multiplier: 1

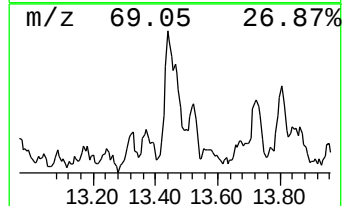
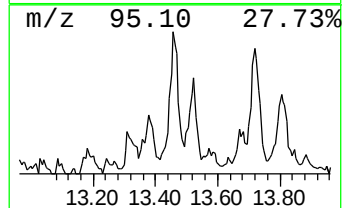
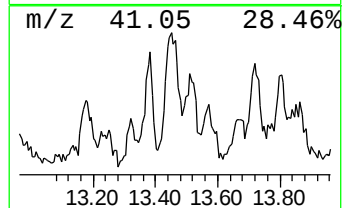
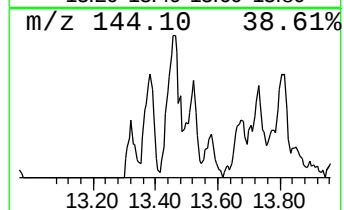
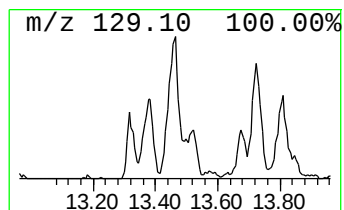
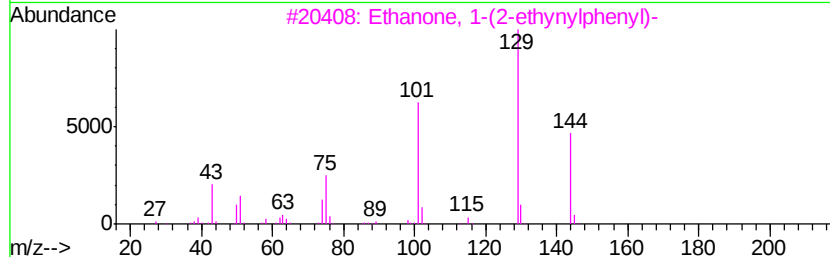
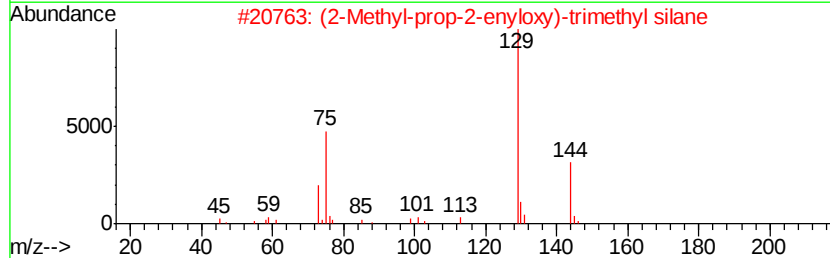
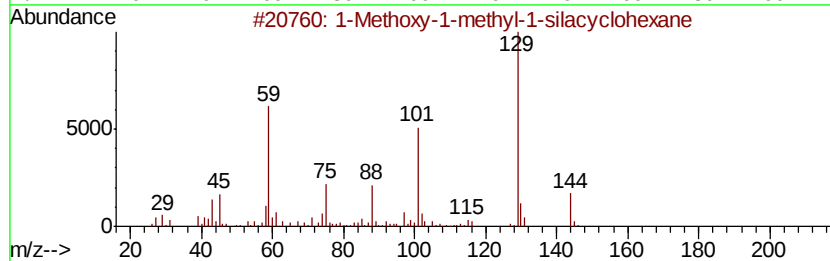
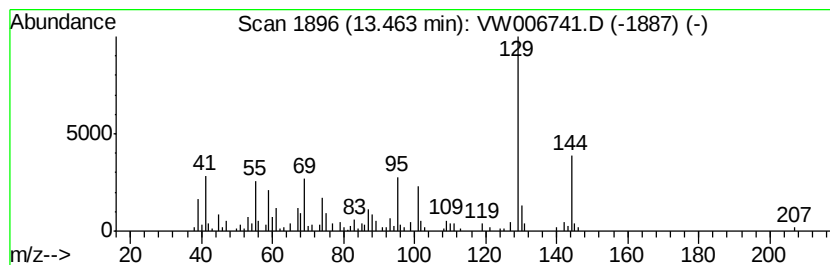
Instrument :  
MSVOA\_W  
ClientSampleId :  
BES48\_SB03\_1.5-2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W110218S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 1-Methoxy-1-methyl-1-silacy... Concentration Rank 2

| R.T.    | EstConc   | Area                                | Relative to ISTD       | R.T.     |             |      |
|---------|-----------|-------------------------------------|------------------------|----------|-------------|------|
| 13.46   | 5.36 ug/l | 87569                               | 1,4-Dichlorobenzene-d4 | 13.57    |             |      |
| Hit# of | 5         | Tentative ID                        | MW                     | MolForm  | CAS#        | Qual |
| 1       |           | 1-Methoxy-1-methyl-1-silacyclohe... | 144                    | C7H16OSi | 020089-28-5 | 53   |
| 2       |           | (2-Methyl-prop-2-enyloxy)-trimet... | 144                    | C7H16OSi | 025195-85-1 | 49   |
| 3       |           | Ethanone, 1-(2-ethynylphenyl)-      | 144                    | C10H8O   | 104190-22-9 | 46   |
| 4       |           | 1H-Indene, 1,1-dimethyl-            | 144                    | C11H12   | 018636-55-0 | 46   |
| 5       |           | 1H-Indene, 2,3-dimethyl-            | 144                    | C11H12   | 004773-82-4 | 46   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW110718\  
Data File : VW006741.D  
Acq On : 07 Nov 2018 17:24  
Operator : SY/AP  
Sample : J5819-07  
Misc : 5.05G/5ML/MSVOA\_W/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BES48\_SB03\_1.5-2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W110218S.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, 1,2-... | 10.67 | 5.2     | ug/l  | 101666   | 3                     | 11.63 | 984667 | 50.0 |
| Cyclohexane, 1,1,... | 11.24 | 11.9    | ug/l  | 234467   | 3                     | 11.63 | 984667 | 50.0 |
| 1-Methoxy-1-methy... | 13.46 | 5.4     | ug/l  | 87569    | 4                     | 13.57 | 817319 | 50.0 |