

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\  
 Data File : VY003168.D  
 Acq On : 10 Jul 2020 17:07  
 Operator : SY/MD  
 Sample : L3255-03  
 Misc : 5.86G/5ML/MSVOA Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CHRT-33

## 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\_Y\METHODS\82Y071020S.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         | 2.225       | 76            | 80          | 84           | rBV3     | 9786           | 16894         | 1.01%           | 0.088%        |
| 2         | 3.962       | 355           | 365         | 372          | rBV2     | 7666           | 21273         | 1.27%           | 0.111%        |
| 3         | 4.724       | 477           | 490         | 505          | rBV2     | 16325          | 54657         | 3.26%           | 0.286%        |
| 4         | 5.755       | 650           | 659         | 670          | rVB3     | 8167           | 26493         | 1.58%           | 0.139%        |
| 5         | 7.724       | 972           | 982         | 988          | rBV      | 234081         | 559489        | 33.40%          | 2.926%        |
| 6         | 7.797       | 988           | 994         | 1005         | rVB      | 460866         | 1036888       | 61.89%          | 5.423%        |
| 7         | 8.151       | 1040          | 1052        | 1062         | rVB      | 223553         | 510153        | 30.45%          | 2.668%        |
| 8         | 8.553       | 1109          | 1118        | 1124         | rBV3     | 10641          | 22838         | 1.36%           | 0.119%        |
| 9         | 8.693       | 1132          | 1141        | 1153         | rBV      | 633483         | 1227719       | 73.28%          | 6.421%        |
| 10        | 9.187       | 1210          | 1222        | 1230         | rBV4     | 31095          | 66998         | 4.00%           | 0.350%        |
| 11        | 10.181      | 1377          | 1385        | 1391         | rBV      | 989309         | 1675323       | 100.00%         | 8.762%        |
| 12        | 10.248      | 1391          | 1396        | 1402         | rVB      | 110762         | 194458        | 11.61%          | 1.017%        |
| 13        | 10.364      | 1408          | 1415        | 1422         | rVB7     | 12734          | 33371         | 1.99%           | 0.175%        |
| 14        | 10.522      | 1435          | 1441        | 1445         | rBV3     | 17802          | 32535         | 1.94%           | 0.170%        |
| 15        | 10.583      | 1445          | 1451        | 1454         | rVV      | 47208          | 90274         | 5.39%           | 0.472%        |
| 16        | 10.620      | 1454          | 1457        | 1463         | rVV3     | 29283          | 47918         | 2.86%           | 0.251%        |
| 17        | 11.004      | 1516          | 1520        | 1521         | rVV3     | 21051          | 28610         | 1.71%           | 0.150%        |
| 18        | 11.034      | 1521          | 1525        | 1530         | rVV2     | 49092          | 82575         | 4.93%           | 0.432%        |
| 19        | 11.089      | 1530          | 1534        | 1539         | rVB2     | 21968          | 35656         | 2.13%           | 0.186%        |
| 20        | 11.315      | 1561          | 1571        | 1578         | rVB5     | 33469          | 100885        | 6.02%           | 0.528%        |
| 21        | 11.491      | 1592          | 1600        | 1610         | rVB      | 791130         | 1293896       | 77.23%          | 6.767%        |
| 22        | 11.589      | 1610          | 1616        | 1619         | rBV3     | 16570          | 32998         | 1.97%           | 0.173%        |
| 23        | 11.626      | 1619          | 1622        | 1626         | rVB2     | 19018          | 25737         | 1.54%           | 0.135%        |
| 24        | 11.711      | 1626          | 1636        | 1639         | rBV4     | 55091          | 165682        | 9.89%           | 0.866%        |
| 25        | 11.778      | 1644          | 1647        | 1652         | rVB4     | 26243          | 41841         | 2.50%           | 0.219%        |
| 26        | 11.997      | 1676          | 1683        | 1686         | rBV4     | 64629          | 143238        | 8.55%           | 0.749%        |
| 27        | 12.028      | 1686          | 1688        | 1696         | rVB4     | 57436          | 91979         | 5.49%           | 0.481%        |
| 28        | 12.162      | 1706          | 1710        | 1713         | rBV2     | 41340          | 66535         | 3.97%           | 0.348%        |
| 29        | 12.199      | 1713          | 1716        | 1719         | rVV3     | 30033          | 46200         | 2.76%           | 0.242%        |
| 30        | 12.247      | 1719          | 1724        | 1728         | rVB3     | 42000          | 75258         | 4.49%           | 0.394%        |
| 31        | 12.418      | 1748          | 1752        | 1757         | rVB6     | 14697          | 27119         | 1.62%           | 0.142%        |
| 32        | 12.479      | 1757          | 1762        | 1769         | rBV2     | 613697         | 1002020       | 59.81%          | 5.240%        |
| 33        | 12.564      | 1769          | 1776        | 1781         | rVV7     | 18078          | 47209         | 2.82%           | 0.247%        |
| 34        | 12.644      | 1785          | 1789        | 1797         | rVB4     | 45234          | 104866        | 6.26%           | 0.548%        |

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 Misc : 5.86G/5ML/MSVOA Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CHRT-33

## 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\_Y\METHODS\82Y071020S.M  
 Title : SW846 8260

|    |        |      |      |      |       |        |         |        |        |
|----|--------|------|------|------|-------|--------|---------|--------|--------|
| 35 | 12.735 | 1797 | 1804 | 1807 | rBV4  | 83147  | 178907  | 10.68% | 0.936% |
| 36 | 12.766 | 1807 | 1809 | 1811 | rVV2  | 46769  | 61271   | 3.66%  | 0.320% |
| 37 | 12.808 | 1811 | 1816 | 1821 | rVV4  | 163507 | 310904  | 18.56% | 1.626% |
| 38 | 12.863 | 1821 | 1825 | 1830 | rVB6  | 45157  | 74388   | 4.44%  | 0.389% |
| 39 | 12.948 | 1835 | 1839 | 1841 | rBV4  | 25233  | 37588   | 2.24%  | 0.197% |
| 40 | 13.040 | 1850 | 1854 | 1862 | rVB4  | 64777  | 130442  | 7.79%  | 0.682% |
| 41 | 13.119 | 1862 | 1867 | 1872 | rBV   | 105660 | 189263  | 11.30% | 0.990% |
| 42 | 13.186 | 1872 | 1878 | 1884 | rVB9  | 38779  | 96473   | 5.76%  | 0.505% |
| 43 | 13.247 | 1884 | 1888 | 1892 | rBV6  | 43634  | 74349   | 4.44%  | 0.389% |
| 44 | 13.314 | 1892 | 1899 | 1903 | rBV4  | 81153  | 182465  | 10.89% | 0.954% |
| 45 | 13.363 | 1903 | 1907 | 1910 | rBV5  | 28974  | 45741   | 2.73%  | 0.239% |
| 46 | 13.424 | 1911 | 1917 | 1926 | rVB2  | 675877 | 1160285 | 69.26% | 6.068% |
| 47 | 13.503 | 1926 | 1930 | 1932 | rBV5  | 25178  | 39483   | 2.36%  | 0.206% |
| 48 | 13.552 | 1933 | 1938 | 1943 | rVB6  | 42716  | 90919   | 5.43%  | 0.475% |
| 49 | 13.619 | 1943 | 1949 | 1953 | rBV3  | 89150  | 164325  | 9.81%  | 0.859% |
| 50 | 13.668 | 1953 | 1957 | 1959 | rBV3  | 35120  | 49694   | 2.97%  | 0.260% |
| 51 | 13.747 | 1964 | 1970 | 1975 | rBV2  | 326416 | 564602  | 33.70% | 2.953% |
| 52 | 13.918 | 1995 | 1998 | 2001 | rBV3  | 47952  | 68259   | 4.07%  | 0.357% |
| 53 | 13.967 | 2003 | 2006 | 2011 | rVB2  | 108596 | 166226  | 9.92%  | 0.869% |
| 54 | 14.076 | 2019 | 2024 | 2028 | rBV2  | 169698 | 292741  | 17.47% | 1.531% |
| 55 | 14.131 | 2028 | 2033 | 2040 | rBV6  | 120072 | 251860  | 15.03% | 1.317% |
| 56 | 14.198 | 2040 | 2044 | 2049 | rBV4  | 83788  | 173691  | 10.37% | 0.908% |
| 57 | 14.259 | 2049 | 2054 | 2056 | rBV2  | 262615 | 449507  | 26.83% | 2.351% |
| 58 | 14.393 | 2070 | 2076 | 2078 | rBV2  | 183726 | 343972  | 20.53% | 1.799% |
| 59 | 14.418 | 2078 | 2080 | 2084 | rVV3  | 203084 | 291302  | 17.39% | 1.523% |
| 60 | 14.473 | 2084 | 2089 | 2095 | rVB7  | 149416 | 318251  | 19.00% | 1.664% |
| 61 | 14.613 | 2109 | 2112 | 2117 | rVB3  | 173927 | 242193  | 14.46% | 1.267% |
| 62 | 14.680 | 2117 | 2123 | 2128 | rBV4  | 235598 | 548712  | 32.75% | 2.870% |
| 63 | 14.735 | 2128 | 2132 | 2137 | rVB3  | 266606 | 460906  | 27.51% | 2.410% |
| 64 | 14.838 | 2145 | 2149 | 2152 | rBV2  | 200421 | 366469  | 21.87% | 1.917% |
| 65 | 14.875 | 2153 | 2155 | 2160 | rVB3  | 222024 | 276557  | 16.51% | 1.446% |
| 66 | 14.942 | 2162 | 2166 | 2170 | rVB3  | 265195 | 401802  | 23.98% | 2.101% |
| 67 | 15.003 | 2171 | 2176 | 2178 | rBV3  | 160370 | 280982  | 16.77% | 1.469% |
| 68 | 15.350 | 2229 | 2233 | 2244 | rVB10 | 232652 | 808958  | 48.29% | 4.231% |
| 69 | 15.442 | 2244 | 2248 | 2252 | rBV5  | 147795 | 261121  | 15.59% | 1.366% |
| 70 | 15.728 | 2292 | 2295 | 2301 | rVB6  | 198841 | 343530  | 20.51% | 1.797% |
| 71 | 16.228 | 2373 | 2377 | 2382 | rBV2  | 154340 | 293295  | 17.51% | 1.534% |

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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CHRT-33

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\_Y\METHODS\82Y071020S.M  
Title : SW846 8260

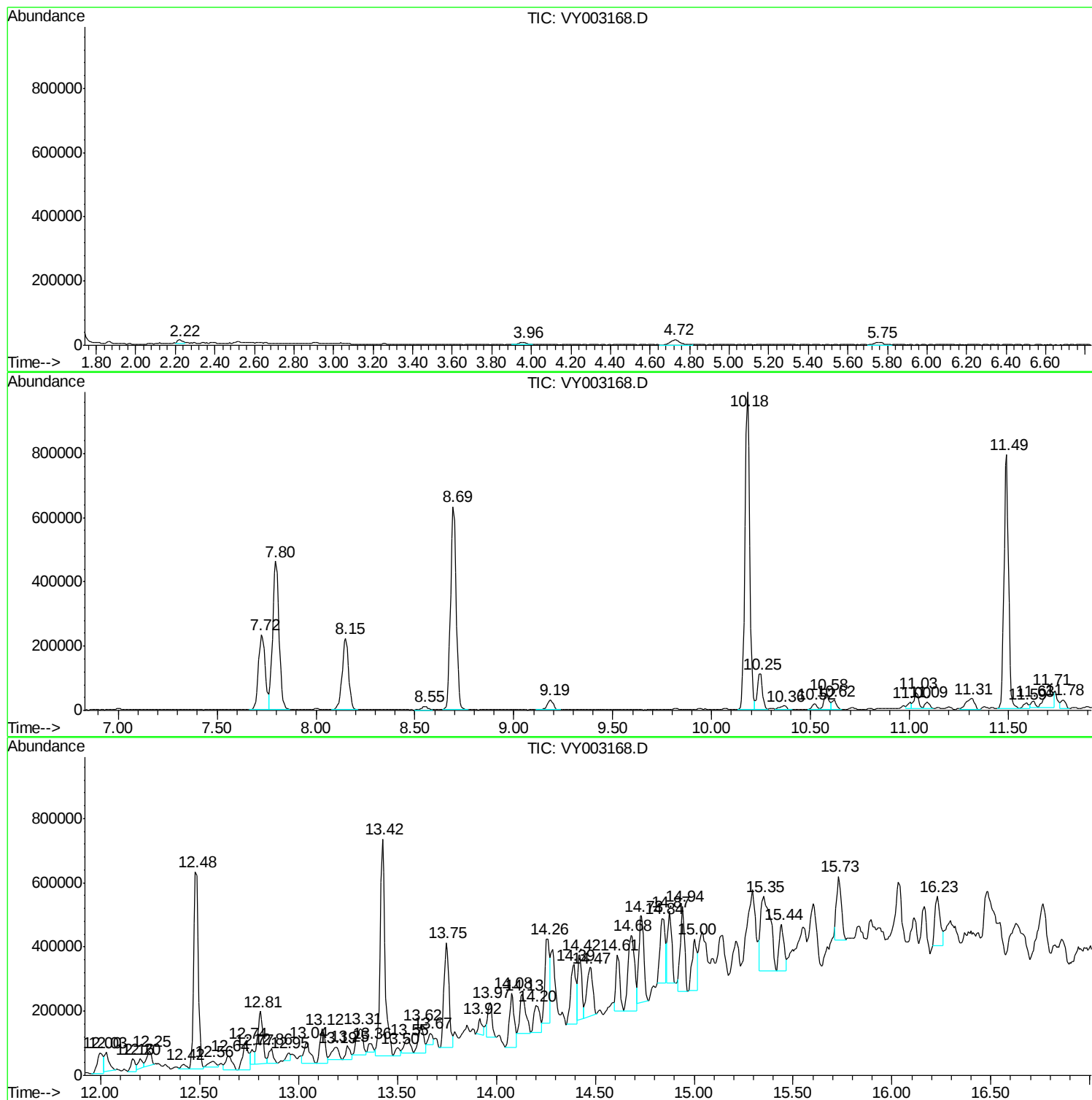
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY071020\  
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Instrument :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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Instrument :  
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ClientSampleId :  
CHRT-33

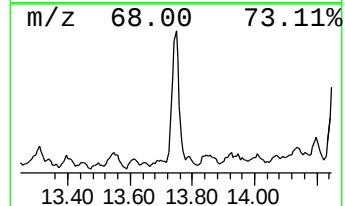
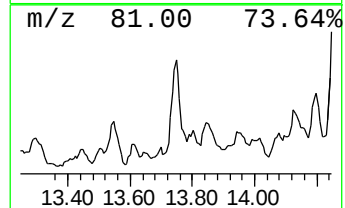
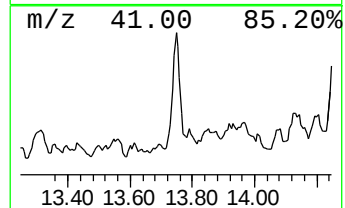
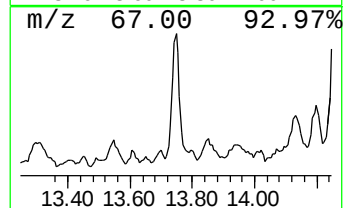
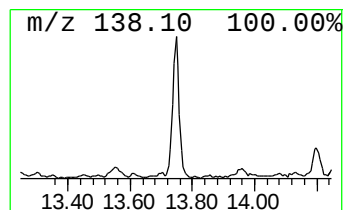
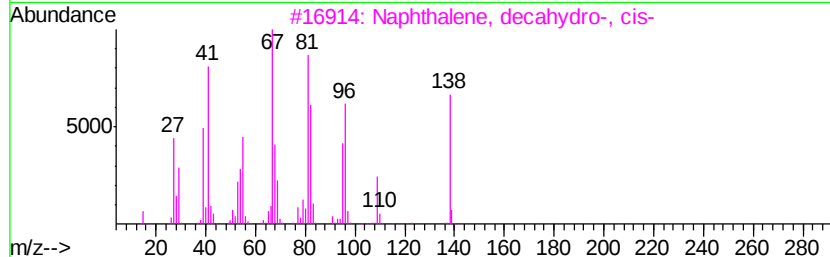
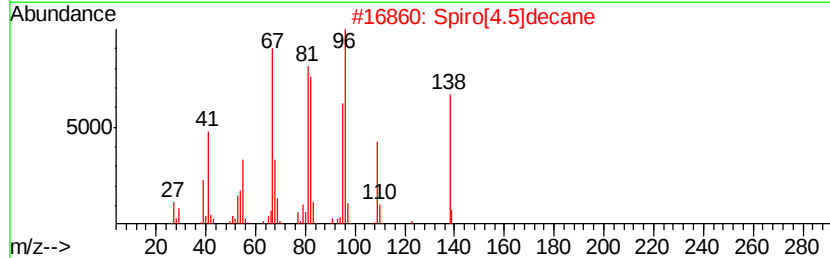
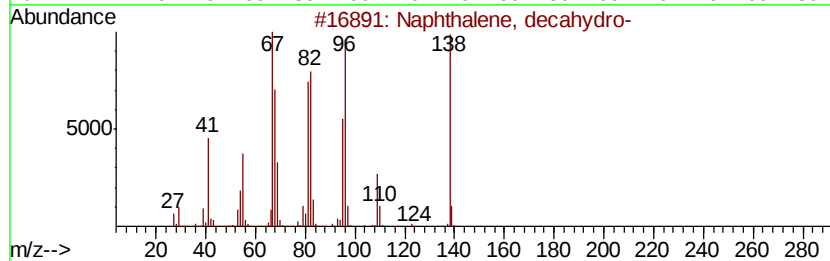
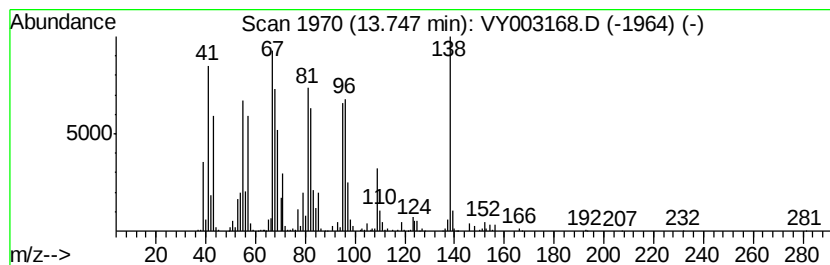
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Naphthalene, decahydro- Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.75 | 24.33 ug/l | 564602 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, decahydro-           | 138 | C10H18  | 000091-17-8 | 94   |
| 2    |    | Spiro[4.5]decane                  | 138 | C10H18  | 000176-63-6 | 87   |
| 3    |    | Naphthalene, decahydro-, cis-     | 138 | C10H18  | 000493-01-6 | 87   |
| 4    |    | Naphthalene, decahydro-, trans-   | 138 | C10H18  | 000493-02-7 | 86   |
| 5    |    | endo-2-Methylbicyclo[3.3.1]nonane | 138 | C10H18  | 042558-37-2 | 64   |



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ALS Vial : 17 Sample Multiplier: 1

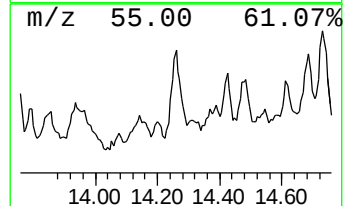
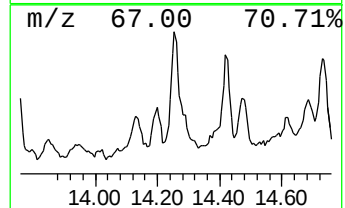
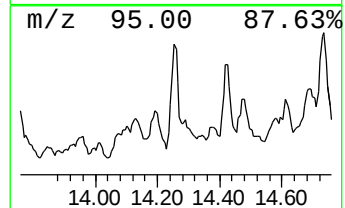
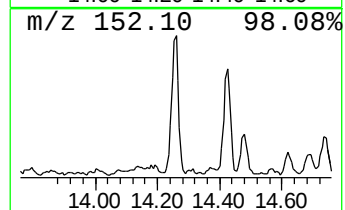
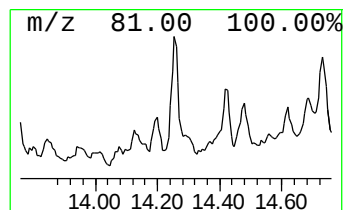
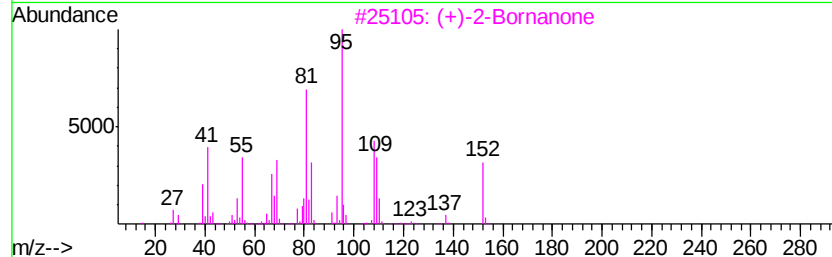
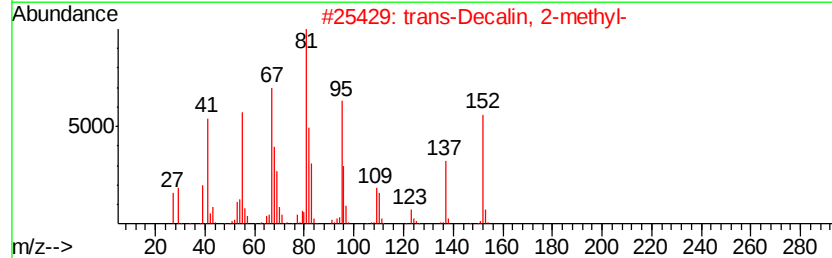
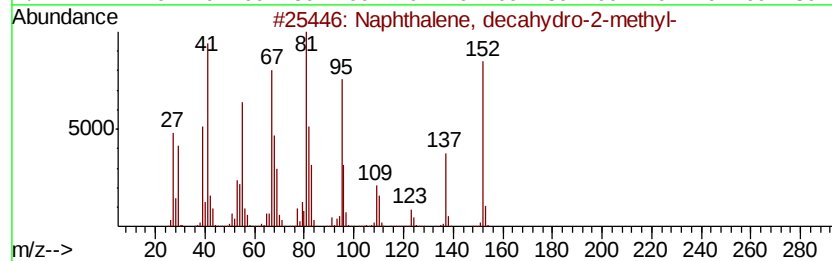
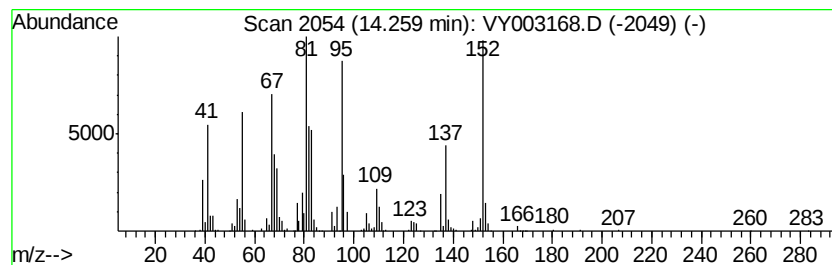
Instrument :  
MSVOA\_Y  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
Quant Title : SW846 8260

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

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

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.            |
|---------|------------|-------------------------------------|------------------------|-----------------|
| 14.26   | 19.37 ug/l | 449507                              | 1,4-Dichlorobenzene-d4 | 13.42           |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual       |
| 1       |            | Naphthalene, decahydro-2-methyl-    | 152 C11H20             | 002958-76-1 93  |
| 2       |            | trans-Decalin, 2-methyl-            | 152 C11H20             | 1000152-47-3 93 |
| 3       |            | (+)-2-Bornanone                     | 152 C10H16O            | 000464-49-3 70  |
| 4       |            | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 C10H16O            | 000464-48-2 70  |
| 5       |            | Pulegone                            | 152 C10H16O            | 000089-82-7 55  |



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MSVOA\_Y  
ClientSampleId :  
CHRT-33

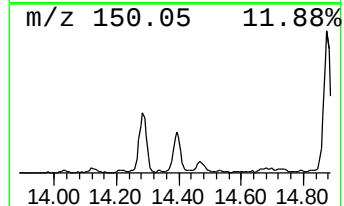
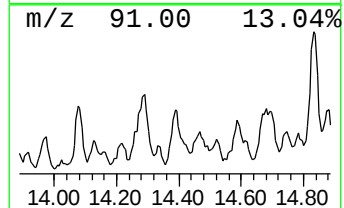
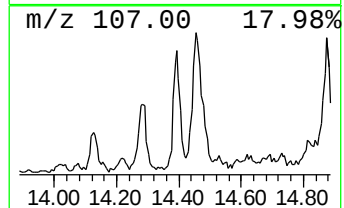
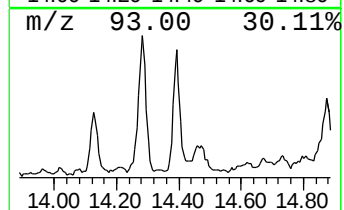
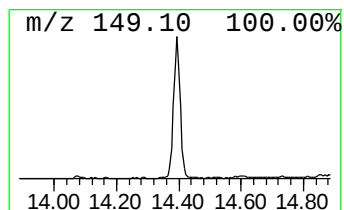
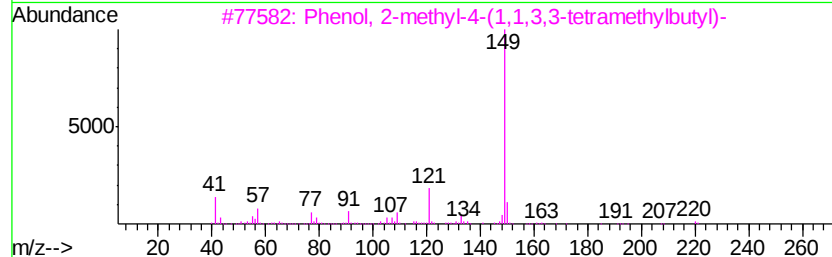
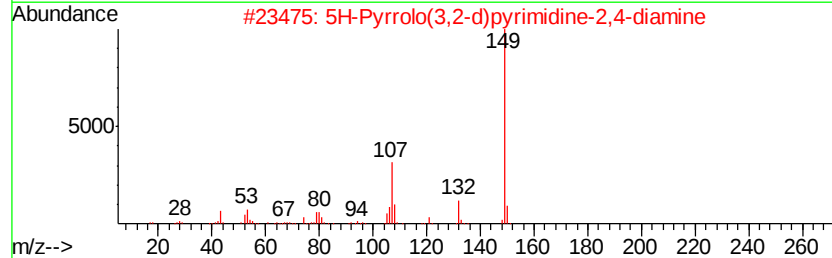
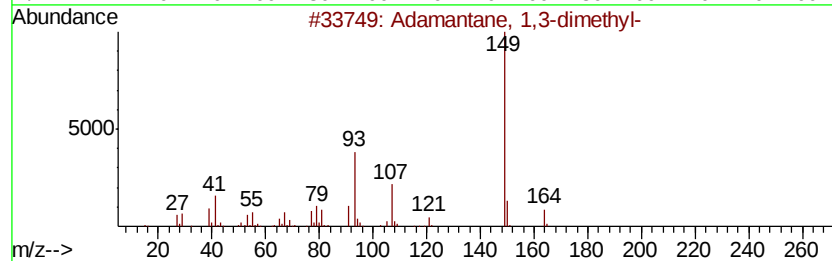
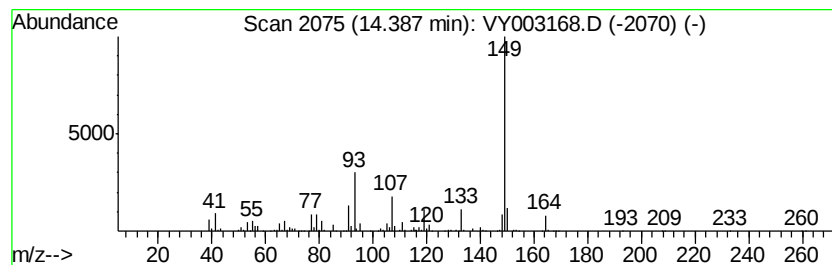
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Adamantane, 1,3-dimethyl- Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.39 | 14.82 ug/l | 343972 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Adamantane, 1,3-dimethyl-           | 164 | C12H20   | 000702-79-4  | 64   |
| 2    |    | 5H-Pyrrolo(3,2-d)pyrimidine-2,4-... | 149 | C6H7N5   | 1000244-21-4 | 42   |
| 3    |    | Phenol, 2-methyl-4-(1,1,3,3-tetr... | 220 | C15H24O  | 002219-84-3  | 42   |
| 4    |    | o-Toluic acid, 1-adamantylmethyl... | 284 | C19H24O2 | 1000292-22-6 | 42   |
| 5    |    | 2'-Hydroxy-4',5'-dimethylacetoph... | 164 | C10H12O2 | 036436-65-4  | 40   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY071020\  
Data File : VY003168.D  
Acq On : 10 Jul 2020 17:07  
Operator : SY/MD  
Sample : L3255-03  
Misc : 5.86G/5ML/MSVOA Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

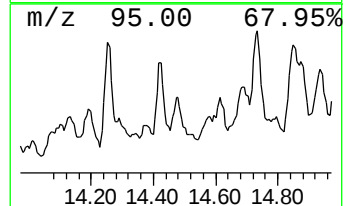
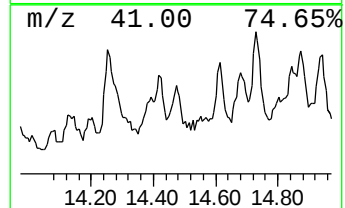
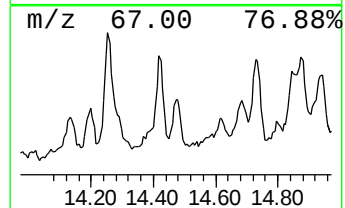
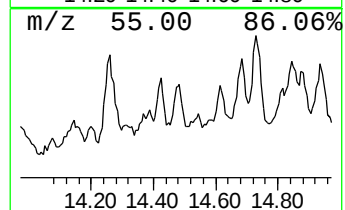
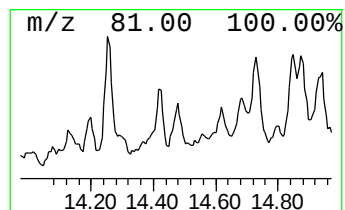
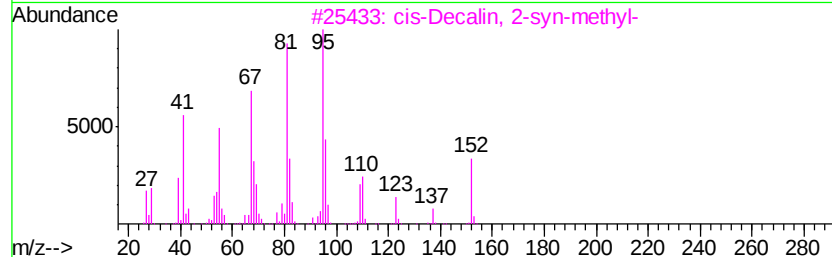
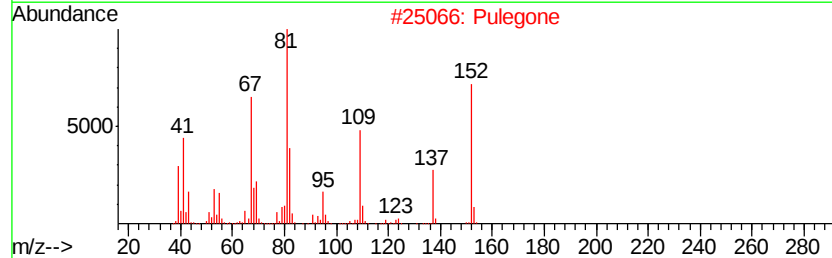
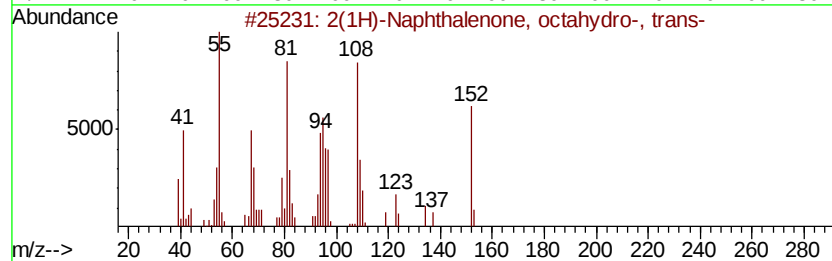
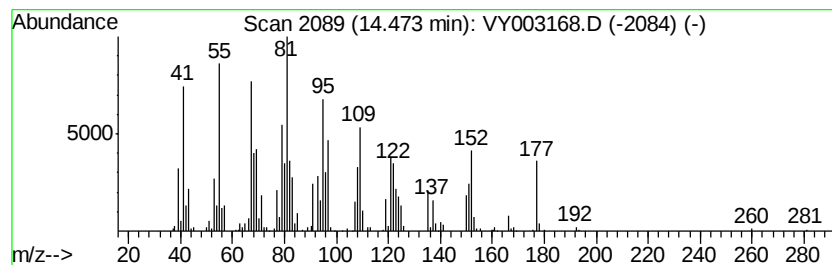
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ClientSampleId :  
CHRT-33

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 2(1H)-Naphthalenone, octahydro... Concentration Rank 10

| R.T.    | EstConc    | Area                                 | Relative to ISTD       | R.T.            |
|---------|------------|--------------------------------------|------------------------|-----------------|
| 14.47   | 13.71 ug/l | 318251                               | 1,4-Dichlorobenzene-d4 | 13.42           |
| Hit# of | 5          | Tentative ID                         | MW MolForm             | CAS# Qual       |
| 1       |            | 2(1H)-Naphthalenone, octahydro-, ... | 152 C10H16O            | 016021-08-2 72  |
| 2       |            | Pulegone                             | 152 C10H16O            | 000089-82-7 60  |
| 3       |            | cis-Decalin, 2-syn-methyl-           | 152 C11H20             | 1000155-85-6 58 |
| 4       |            | Cyclohexanone, 5-methyl-2-(1-met...  | 152 C10H16O            | 015932-80-6 55  |
| 5       |            | (R)-(-)-14-Methyl-8-hexadecyn-1-ol   | 252 C17H32O            | 064566-18-3 49  |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY071020\  
Data File : VY003168.D  
Acq On : 10 Jul 2020 17:07  
Operator : SY/MD  
Sample : L3255-03  
Misc : 5.86G/5ML/MSVOA Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CHRT-33

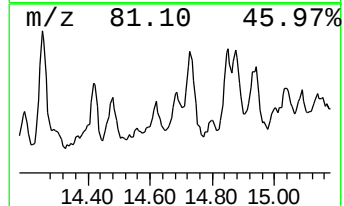
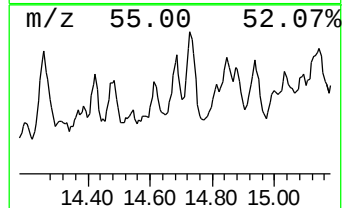
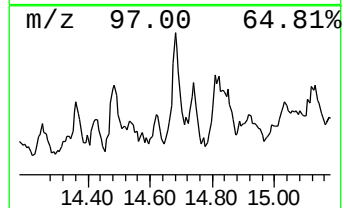
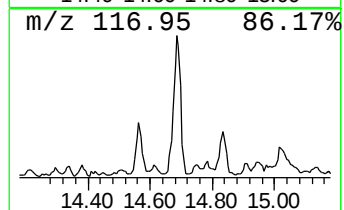
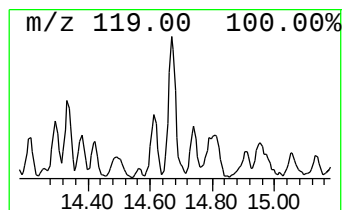
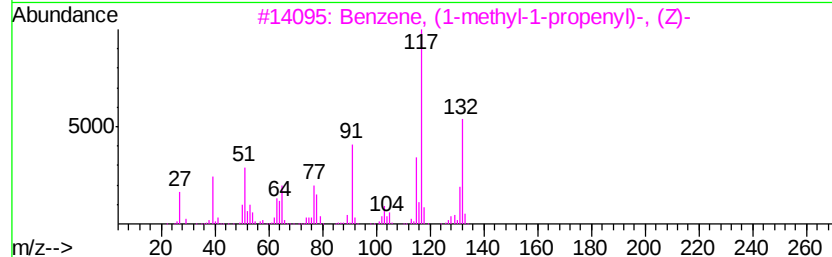
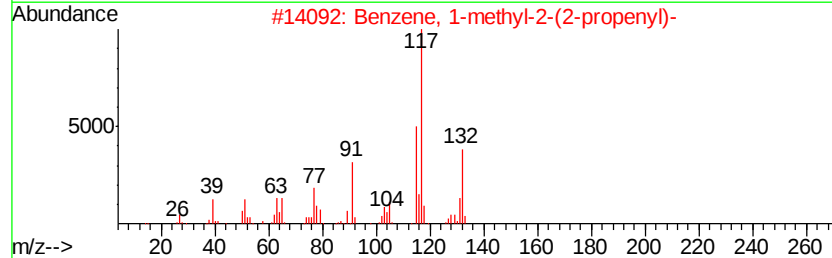
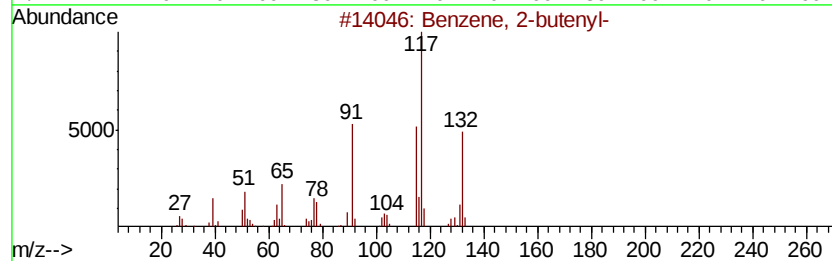
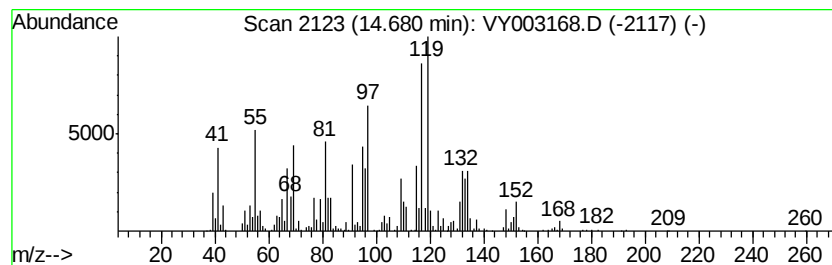
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Benzene, 2-butenyl- Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.68 | 23.65 ug/l | 548712 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-butenyl-                 | 132 | C10H12  | 001560-06-1 | 91   |
| 2    |    | Benzene, 1-methyl-2-(2-propenyl)-   | 132 | C10H12  | 001587-04-8 | 91   |
| 3    |    | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000767-99-7 | 64   |
| 4    |    | 2,4-Dimethylstyrene                 | 132 | C10H12  | 002234-20-0 | 62   |
| 5    |    | Benzene, (2-methyl-2-propenyl)-     | 132 | C10H12  | 003290-53-7 | 60   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY071020\  
Data File : VY003168.D  
Acq On : 10 Jul 2020 17:07  
Operator : SY/MD  
Sample : L3255-03  
Misc : 5.86G/5ML/MSVOA Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CHRT-33

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
Quant Title : SW846 8260

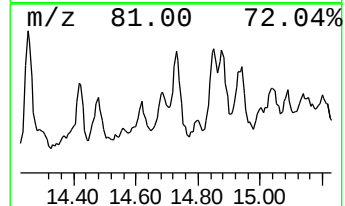
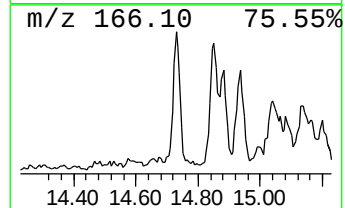
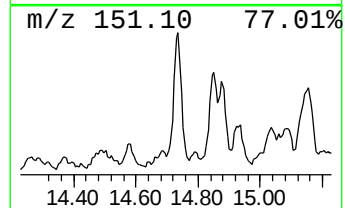
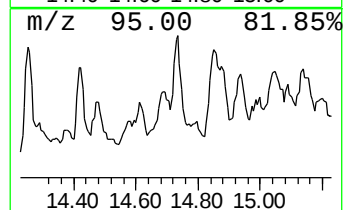
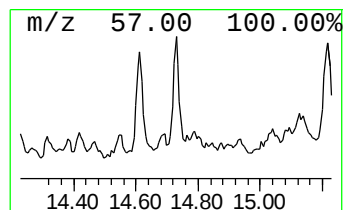
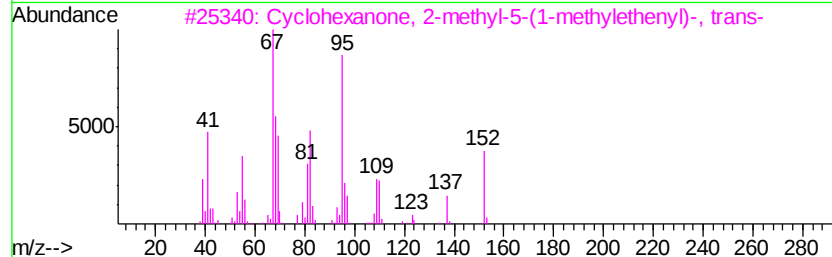
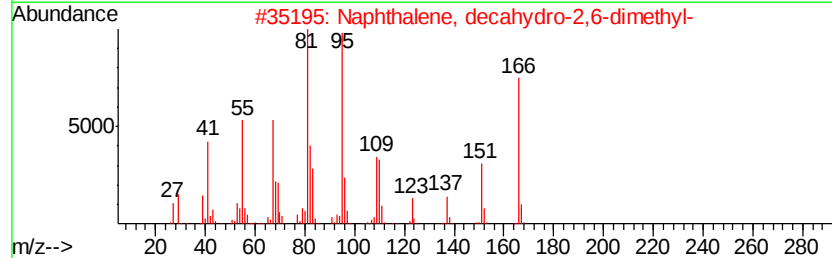
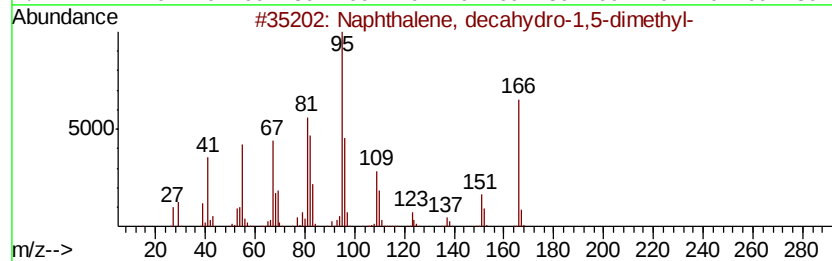
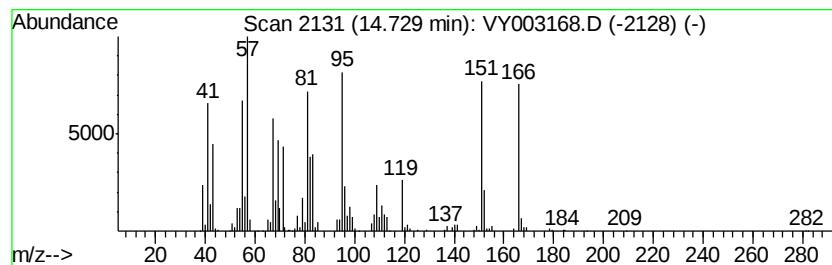
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Naphthalene, decahydro-1,5-... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.73 | 19.86 ug/l | 460906 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, decahydro-1,5-dimet... | 166 | C12H22  | 066552-62-3 | 50   |
| 2    |    | Naphthalene, decahydro-2,6-dimet... | 166 | C12H22  | 001618-22-0 | 46   |
| 3    |    | Cyclohexanone, 2-methyl-5-(1-met... | 152 | C10H16O | 005948-04-9 | 38   |
| 4    |    | Cyclododecene, (E)-                 | 166 | C12H22  | 001486-75-5 | 30   |
| 5    |    | Cyclododecene                       | 166 | C12H22  | 001501-82-2 | 30   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY071020\  
Data File : VY003168.D  
Acq On : 10 Jul 2020 17:07  
Operator : SY/MD  
Sample : L3255-03  
Misc : 5.86G/5ML/MSVOA Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

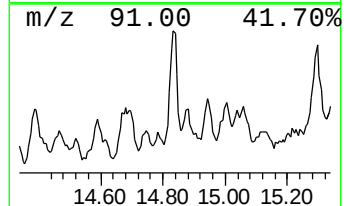
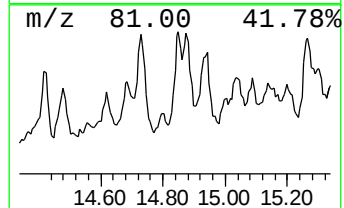
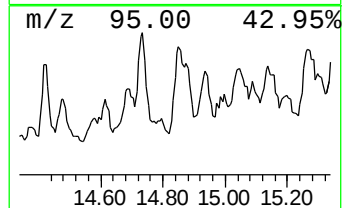
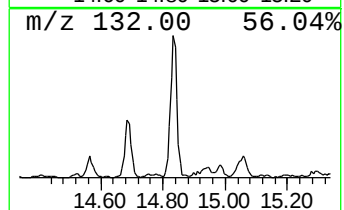
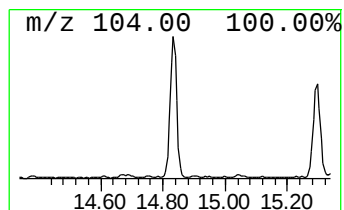
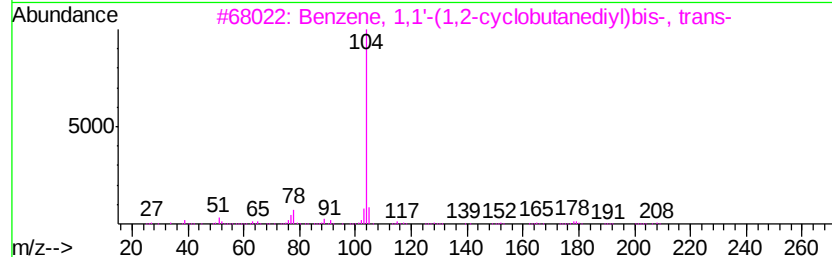
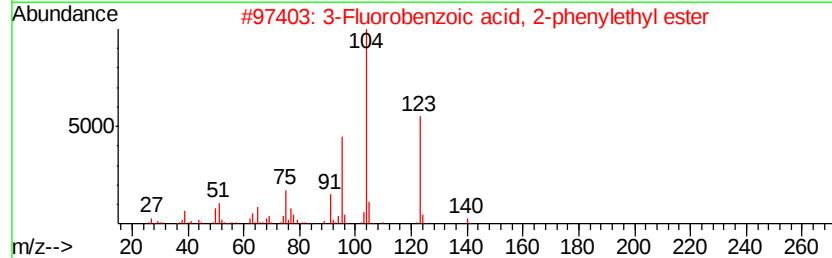
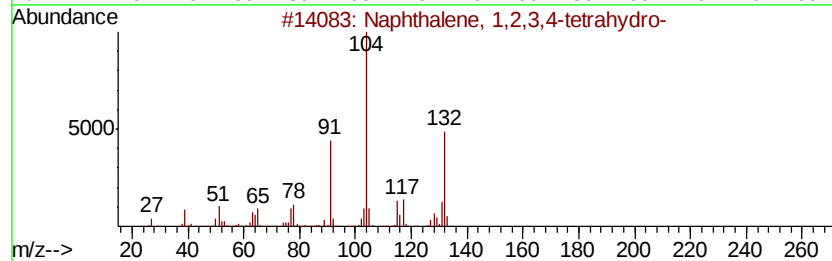
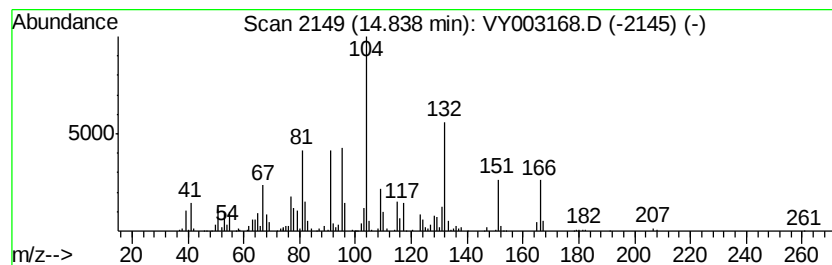
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CHRT-33

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
Quant Title : SW846 8260

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

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Peak Number 7 Naphthalene, 1,2,3,4-tetrahydro- Concentration Rank 7

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.      |              |      |
|---------|------------|-------------------------------------|------------------------|-----------|--------------|------|
| 14.84   | 15.79 ug/l | 366469                              | 1,4-Dichlorobenzene-d4 | 13.42     |              |      |
| Hit# of | 5          | Tentative ID                        | MW                     | MolForm   | CAS#         | Qual |
| 1       |            | Naphthalene, 1,2,3,4-tetrahydro-    | 132                    | C10H12    | 000119-64-2  | 89   |
| 2       |            | 3-Fluorobenzoic acid, 2-phenylet... | 244                    | C15H13FO2 | 1000279-04-8 | 38   |
| 3       |            | Benzene, 1,1'-(1,2-cyclobutanedi... | 208                    | C16H16    | 020071-09-4  | 25   |
| 4       |            | N-Ethylbenzimidovl chloride         | 167                    | C9H10ClN  | 001006-93-5  | 25   |
| 5       |            | Benzene, 1,1'-(1,2-cyclobutanedi... | 208                    | C16H16    | 007694-30-6  | 22   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY071020\  
Data File : VY003168.D  
Acq On : 10 Jul 2020 17:07  
Operator : SY/MD  
Sample : L3255-03  
Misc : 5.86G/5ML/MSVOA Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

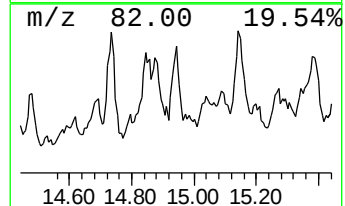
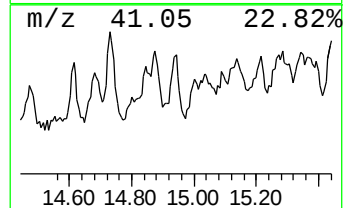
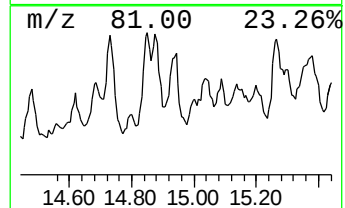
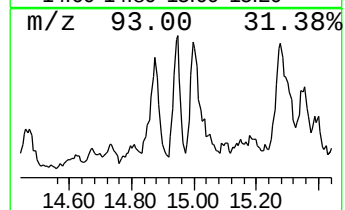
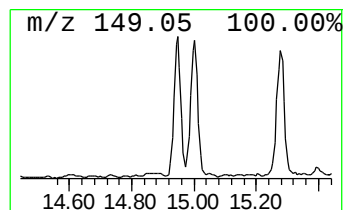
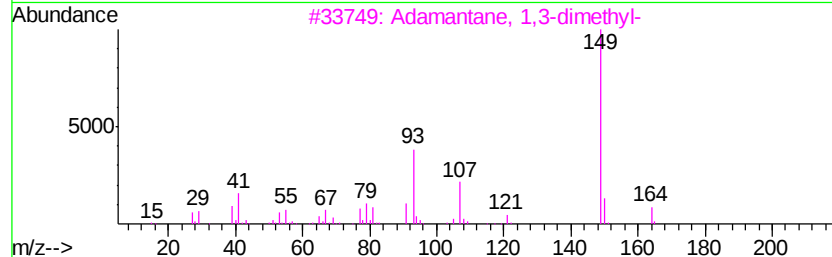
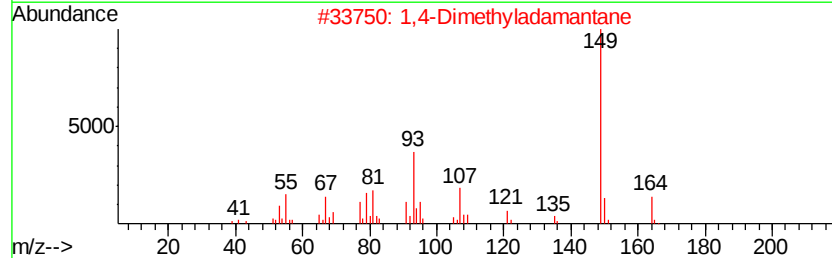
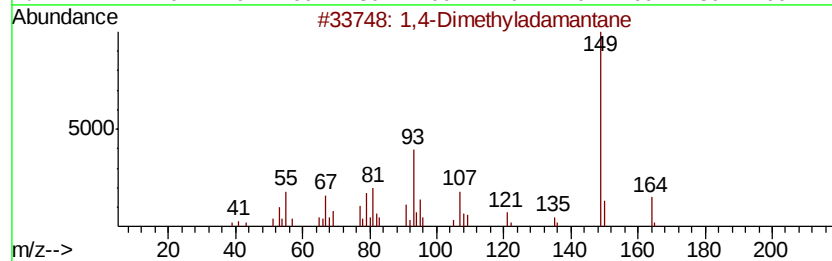
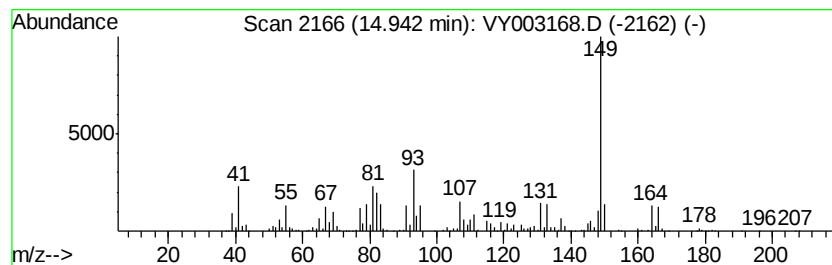
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CHRT-33

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 8 1,4-Dimethyladamantane Concentration Rank 6

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.           |
|---------|-------------------------------------|--------------|------------------------|----------------|
| 14.94   | 17.31 ug/l                          | 401802       | 1,4-Dichlorobenzene-d4 | 13.42          |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual      |
| 1       | 1,4-Dimethyladamantane              | 164          | C12H20                 | 024145-88-8 89 |
| 2       | 1,4-Dimethyladamantane              | 164          | C12H20                 | 024145-89-9 87 |
| 3       | Adamantane, 1,3-dimethyl-           | 164          | C12H20                 | 000702-79-4 62 |
| 4       | 3-Methyl-1-adamantaneacetic acid    | 208          | C13H20O2               | 014202-13-2 53 |
| 5       | Adamantane, 1-isothiocyanato-3-m... | 207          | C12H17NS               | 136860-48-5 50 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY071020\  
Data File : VY003168.D  
Acq On : 10 Jul 2020 17:07  
Operator : SY/MD  
Sample : L3255-03  
Misc : 5.86G/5ML/MSVOA Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CHRT-33

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
Quant Title : SW846 8260

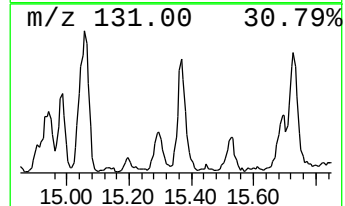
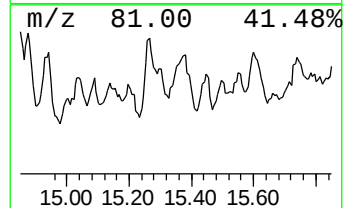
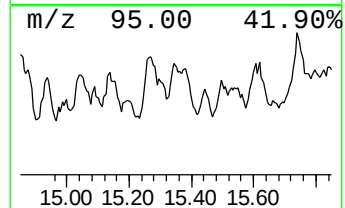
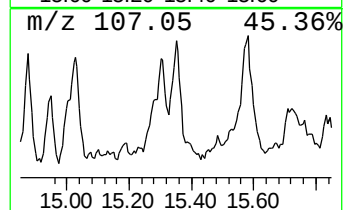
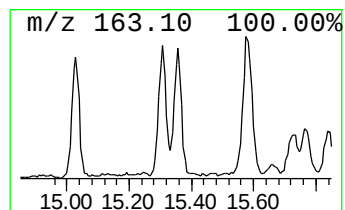
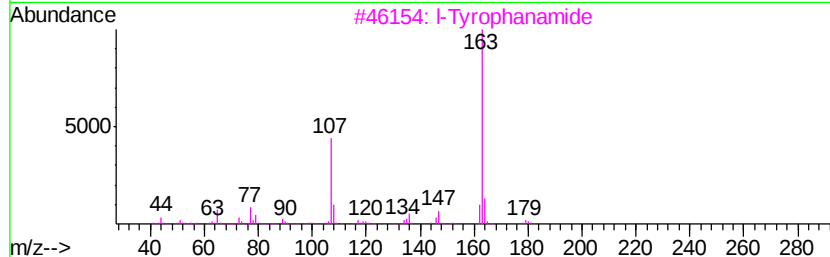
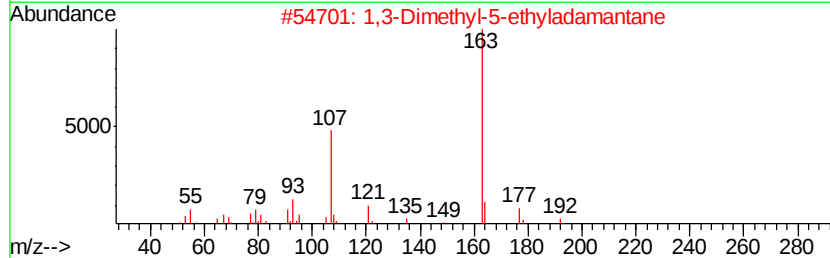
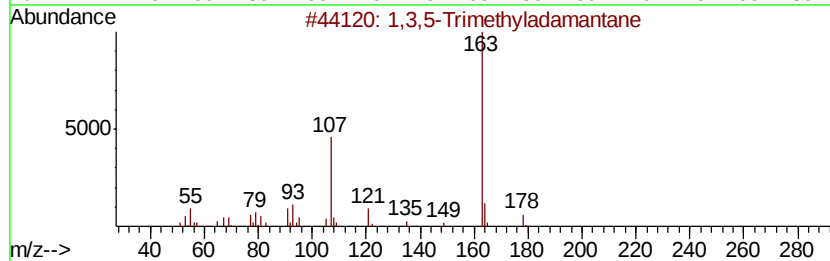
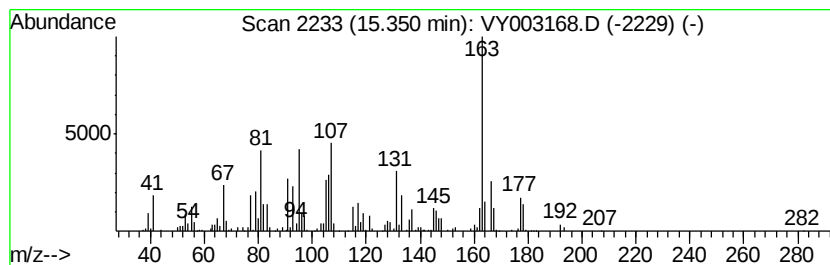
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 unknown15.35 Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.35 | 34.86 ug/l | 808958 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1,3,5-Trimethyladamantane           | 178 | C13H22    | 000707-35-7  | 43   |
| 2    |    | 1,3-Dimethyl-5-ethyladamantane      | 192 | C14H24    | 001687-35-0  | 43   |
| 3    |    | l-Tyrophananamide                   | 180 | C9H12N2O2 | 1000131-25-3 | 35   |
| 4    |    | 2-Propenal, 3-(2,6,6-trimethyl-1... | 178 | C12H18O   | 004951-40-0  | 30   |
| 5    |    | Silane, (4-ethylphenyl)trimethyl-   | 178 | C11H18Si  | 017988-50-0  | 30   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY071020\  
Data File : VY003168.D  
Acq On : 10 Jul 2020 17:07  
Operator : SY/MD  
Sample : L3255-03  
Misc : 5.86G/5ML/MSVOA Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

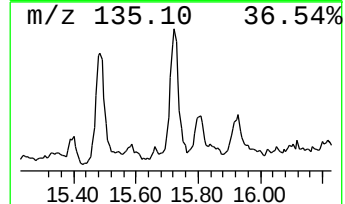
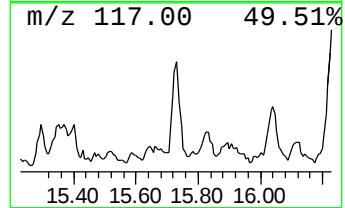
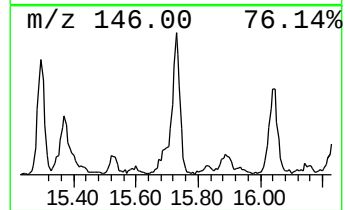
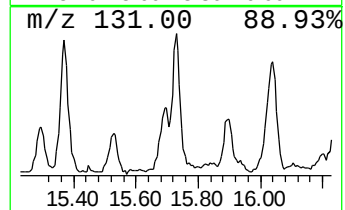
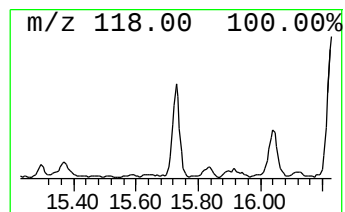
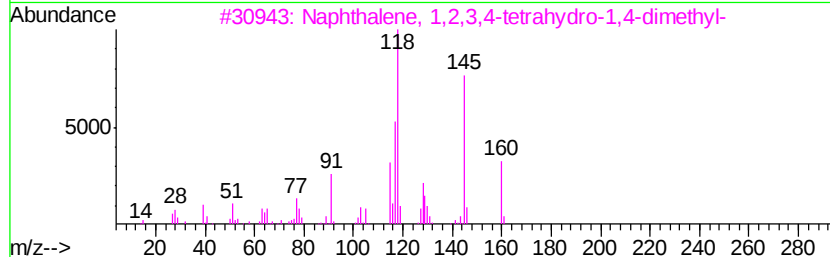
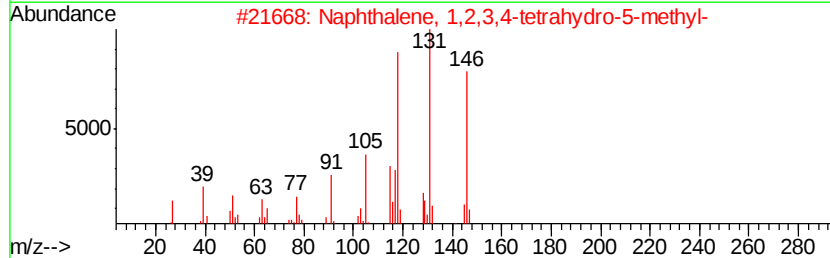
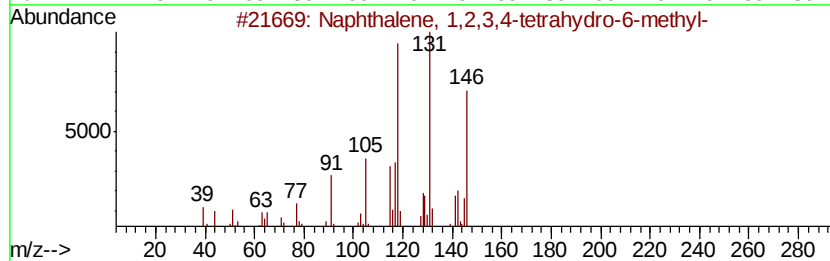
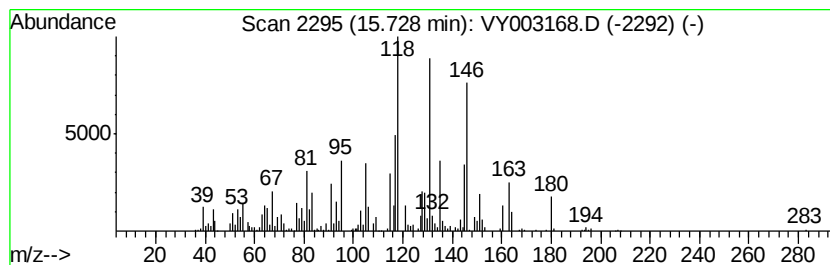
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CHRT-33

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
Quant Title : SW846 8260

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

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Peak Number 10 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 9

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.            |
|---------|------------|-------------------------------------|------------------------|-----------------|
| 15.73   | 14.80 ug/l | 343530                              | 1,4-Dichlorobenzene-d4 | 13.42           |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual       |
| 1       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14             | 001680-51-9 94  |
| 2       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14             | 002809-64-5 76  |
| 3       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 160 C12H16             | 004175-54-6 46  |
| 4       |            | 2,3,4,5,6,7-Hexahydro-1H-cyclope... | 146 C11H14             | 1000189-31-0 43 |
| 5       |            | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 C11H14             | 000769-25-5 43  |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_Y\DATA\VY071020\  
 Data File : VY003168.D  
 Acq On : 10 Jul 2020 17:07  
 Operator : SY/MD  
 Sample : L3255-03  
 Misc : 5.86G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CHRT-33

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.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 |
| Naphthalene, deca... | 13.75 | 24.3    | ug/l  | 564602   | 4                     | 13.42 | 1160290 | 50.0 |
| Naphthalene, deca... | 14.26 | 19.4    | ug/l  | 449507   | 4                     | 13.42 | 1160290 | 50.0 |
| Adamantane, 1,3-d... | 14.39 | 14.8    | ug/l  | 343972   | 4                     | 13.42 | 1160290 | 50.0 |
| 2(1H)-Naphthaleno... | 14.47 | 13.7    | ug/l  | 318251   | 4                     | 13.42 | 1160290 | 50.0 |
| Benzene, 2-butenyl-  | 14.68 | 23.6    | ug/l  | 548712   | 4                     | 13.42 | 1160290 | 50.0 |
| Naphthalene, deca... | 14.73 | 19.9    | ug/l  | 460906   | 4                     | 13.42 | 1160290 | 50.0 |
| Naphthalene, 1,2,... | 14.84 | 15.8    | ug/l  | 366469   | 4                     | 13.42 | 1160290 | 50.0 |
| 1,4-Dimethyladama... | 14.94 | 17.3    | ug/l  | 401802   | 4                     | 13.42 | 1160290 | 50.0 |
| unknown15.35         | 15.35 | 34.9    | ug/l  | 808958   | 4                     | 13.42 | 1160290 | 50.0 |
| Naphthalene, 1,2,... | 15.73 | 14.8    | ug/l  | 343530   | 4                     | 13.42 | 1160290 | 50.0 |