

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\  
 Data File : VY002645.D  
 Acq On : 08 May 2020 16:07  
 Operator : SY/MD  
 Sample : L2564-01  
 Misc : 4.13G/5ML/MSVOA Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SW-1

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\82Y043020S.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         | 7.742       | 975           | 985         | 990          | rBV      | 143130         | 345398        | 2.33%           | 0.183%        |
| 2         | 7.809       | 990           | 996         | 1006         | rVB      | 278319         | 632409        | 4.27%           | 0.334%        |
| 3         | 8.157       | 1039          | 1053        | 1064         | rBV2     | 162625         | 530625        | 3.58%           | 0.281%        |
| 4         | 8.705       | 1134          | 1143        | 1153         | rBV      | 399198         | 777661        | 5.25%           | 0.411%        |
| 5         | 10.187      | 1379          | 1386        | 1401         | rVB      | 610720         | 1064847       | 7.19%           | 0.563%        |
| 6         | 11.095      | 1531          | 1535        | 1541         | rVB      | 119790         | 202771        | 1.37%           | 0.107%        |
| 7         | 11.211      | 1548          | 1554        | 1558         | rBV3     | 96588          | 163972        | 1.11%           | 0.087%        |
| 8         | 11.284      | 1558          | 1566        | 1577         | rVB4     | 289870         | 769163        | 5.19%           | 0.407%        |
| 9         | 11.388      | 1577          | 1583        | 1588         | rBV      | 363160         | 585211        | 3.95%           | 0.309%        |
| 10        | 11.498      | 1595          | 1601        | 1611         | rBV      | 517456         | 865027        | 5.84%           | 0.457%        |
| 11        | 11.601      | 1611          | 1618        | 1621         | rBV2     | 120841         | 225171        | 1.52%           | 0.119%        |
| 12        | 11.687      | 1626          | 1632        | 1634         | rBV4     | 130931         | 270368        | 1.83%           | 0.143%        |
| 13        | 11.741      | 1634          | 1641        | 1645         | rVV3     | 226637         | 482960        | 3.26%           | 0.255%        |
| 14        | 11.784      | 1645          | 1648        | 1653         | rVB2     | 207769         | 328206        | 2.22%           | 0.174%        |
| 15        | 11.937      | 1669          | 1673        | 1678         | rVB2     | 152634         | 245120        | 1.65%           | 0.130%        |
| 16        | 12.010      | 1678          | 1685        | 1692         | rBV5     | 496892         | 1346131       | 9.09%           | 0.712%        |
| 17        | 12.132      | 1700          | 1705        | 1709         | rVB      | 717723         | 1045781       | 7.06%           | 0.553%        |
| 18        | 12.211      | 1713          | 1718        | 1720         | rVV3     | 393573         | 661189        | 4.46%           | 0.350%        |
| 19        | 12.247      | 1720          | 1724        | 1729         | rVB3     | 682513         | 1348331       | 9.10%           | 0.713%        |
| 20        | 12.333      | 1734          | 1738        | 1741         | rBV3     | 292490         | 466227        | 3.15%           | 0.246%        |
| 21        | 12.394      | 1742          | 1748        | 1749         | rBV3     | 284795         | 515248        | 3.48%           | 0.272%        |
| 22        | 12.418      | 1749          | 1752        | 1755         | rBV      | 514974         | 581822        | 3.93%           | 0.308%        |
| 23        | 12.491      | 1760          | 1764        | 1767         | rBV2     | 435721         | 676557        | 4.57%           | 0.358%        |
| 24        | 12.528      | 1767          | 1770        | 1774         | rVB      | 758836         | 930404        | 6.28%           | 0.492%        |
| 25        | 12.577      | 1775          | 1778        | 1782         | rVB4     | 141147         | 205250        | 1.39%           | 0.109%        |
| 26        | 12.656      | 1786          | 1791        | 1792         | rBV      | 608448         | 909875        | 6.14%           | 0.481%        |
| 27        | 12.674      | 1792          | 1794        | 1799         | rVB      | 887700         | 1167419       | 7.88%           | 0.617%        |
| 28        | 12.741      | 1799          | 1805        | 1808         | rBV3     | 542012         | 1087532       | 7.34%           | 0.575%        |
| 29        | 12.814      | 1808          | 1817        | 1823         | rBV5     | 1370447        | 3487856       | 23.55%          | 1.844%        |
| 30        | 12.869      | 1823          | 1826        | 1831         | rVB      | 682934         | 973975        | 6.58%           | 0.515%        |
| 31        | 12.973      | 1836          | 1843        | 1847         | rBV3     | 802219         | 2226716       | 15.03%          | 1.177%        |
| 32        | 13.046      | 1851          | 1855        | 1862         | rVB      | 2471965        | 3574476       | 24.13%          | 1.890%        |
| 33        | 13.125      | 1862          | 1868        | 1873         | rBV      | 3119469        | 4851370       | 32.75%          | 2.565%        |
| 34        | 13.174      | 1873          | 1876        | 1881         | rBV2     | 472945         | 649330        | 4.38%           | 0.343%        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\  
 Data File : VY002645.D  
 Acq On : 08 May 2020 16:07  
 Operator : SY/MD  
 Sample : L2564-01  
 Misc : 4.13G/5ML/MSVOA Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SW-1

## 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\82Y043020S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |          |         |        |
|----|--------|------|------|------|------|---------|----------|---------|--------|
| 35 | 13.235 | 1881 | 1886 | 1887 | rBV2 | 645713  | 939130   | 6.34%   | 0.497% |
| 36 | 13.259 | 1887 | 1890 | 1894 | rVB2 | 994124  | 1340484  | 9.05%   | 0.709% |
| 37 | 13.327 | 1894 | 1901 | 1905 | rBV3 | 3167873 | 5561677  | 37.55%  | 2.941% |
| 38 | 13.369 | 1905 | 1908 | 1912 | rVV3 | 1495193 | 2067404  | 13.96%  | 1.093% |
| 39 | 13.406 | 1912 | 1914 | 1917 | rVV  | 692824  | 700717   | 4.73%   | 0.370% |
| 40 | 13.461 | 1917 | 1923 | 1928 | rVB  | 2002291 | 3856790  | 26.04%  | 2.039% |
| 41 | 13.509 | 1928 | 1931 | 1937 | rVB2 | 1027382 | 1352287  | 9.13%   | 0.715% |
| 42 | 13.601 | 1938 | 1946 | 1948 | rBV2 | 1336432 | 2571372  | 17.36%  | 1.360% |
| 43 | 13.631 | 1948 | 1951 | 1955 | rVB2 | 2594909 | 3653126  | 24.66%  | 1.931% |
| 44 | 13.680 | 1955 | 1959 | 1962 | rBV2 | 1321334 | 2166351  | 14.63%  | 1.145% |
| 45 | 13.759 | 1966 | 1972 | 1976 | rBV3 | 2795939 | 4765301  | 32.17%  | 2.519% |
| 46 | 13.802 | 1976 | 1979 | 1981 | rBV2 | 650174  | 893477   | 6.03%   | 0.472% |
| 47 | 13.833 | 1981 | 1984 | 1987 | rVV  | 1548029 | 2210278  | 14.92%  | 1.169% |
| 48 | 13.894 | 1991 | 1994 | 1996 | rVV  | 1434643 | 2128357  | 14.37%  | 1.125% |
| 49 | 13.924 | 1996 | 1999 | 2004 | rVV3 | 2345726 | 3501524  | 23.64%  | 1.851% |
| 50 | 13.979 | 2004 | 2008 | 2012 | rVB  | 2978259 | 4192886  | 28.31%  | 2.217% |
| 51 | 14.028 | 2012 | 2016 | 2021 | rVB2 | 1263545 | 2060899  | 13.91%  | 1.090% |
| 52 | 14.089 | 2021 | 2026 | 2031 | rVB  | 4646356 | 7076461  | 47.78%  | 3.741% |
| 53 | 14.156 | 2031 | 2037 | 2042 | rBV6 | 1080002 | 2585917  | 17.46%  | 1.367% |
| 54 | 14.278 | 2042 | 2057 | 2065 | rBV9 | 3065494 | 14811829 | 100.00% | 7.831% |
| 55 | 14.345 | 2065 | 2068 | 2072 | rVB  | 2313314 | 3020528  | 20.39%  | 1.597% |
| 56 | 14.387 | 2072 | 2075 | 2079 | rBV2 | 2229071 | 2967246  | 20.03%  | 1.569% |
| 57 | 14.430 | 2079 | 2082 | 2086 | rVB4 | 1569143 | 1937835  | 13.08%  | 1.025% |
| 58 | 14.491 | 2089 | 2092 | 2094 | rBV3 | 346829  | 384489   | 2.60%   | 0.203% |
| 59 | 14.528 | 2094 | 2098 | 2102 | rBV2 | 1454617 | 1916591  | 12.94%  | 1.013% |
| 60 | 14.576 | 2102 | 2106 | 2111 | rBV3 | 1489621 | 3111733  | 21.01%  | 1.645% |
| 61 | 14.625 | 2111 | 2114 | 2118 | rVB  | 1860193 | 2412125  | 16.29%  | 1.275% |
| 62 | 14.692 | 2118 | 2125 | 2130 | rBV4 | 4883320 | 11394701 | 76.93%  | 6.024% |
| 63 | 14.741 | 2130 | 2133 | 2140 | rVB2 | 4680462 | 7314345  | 49.38%  | 3.867% |
| 64 | 14.918 | 2159 | 2162 | 2164 | rBV2 | 686017  | 952948   | 6.43%   | 0.504% |
| 65 | 14.954 | 2164 | 2168 | 2171 | rVV3 | 2193385 | 3125831  | 21.10%  | 1.653% |
| 66 | 15.064 | 2180 | 2186 | 2191 | rBV3 | 2393216 | 5209086  | 35.17%  | 2.754% |
| 67 | 15.223 | 2207 | 2212 | 2220 | rBV3 | 3707170 | 7070504  | 47.74%  | 3.738% |
| 68 | 15.302 | 2221 | 2225 | 2229 | rBV  | 1494024 | 2172683  | 14.67%  | 1.149% |
| 69 | 15.357 | 2229 | 2234 | 2241 | rBV3 | 1846645 | 4467279  | 30.16%  | 2.362% |
| 70 | 15.448 | 2246 | 2249 | 2257 | rVB7 | 982719  | 2439844  | 16.47%  | 1.290% |
| 71 | 15.540 | 2257 | 2264 | 2271 | rBV5 | 1726824 | 4930218  | 33.29%  | 2.607% |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\  
Data File : VY002645.D  
Acq On : 08 May 2020 16:07  
Operator : SY/MD  
Sample : L2564-01  
Misc : 4.13G/5ML/MSVOA Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SW-1

## 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\82Y043020S.M  
Title : SW846 8260

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 72 | 15.619 | 2272 | 2277 | 2282 | rVB5 | 1463854 | 2622374 | 17.70% | 1.386% |
| 73 | 15.698 | 2283 | 2290 | 2294 | rBV4 | 1189748 | 3141886 | 21.21% | 1.661% |
| 74 | 15.899 | 2318 | 2323 | 2329 | rVB3 | 804734  | 1624581 | 10.97% | 0.859% |
| 75 | 16.046 | 2341 | 2347 | 2352 | rBV3 | 1469016 | 2962384 | 20.00% | 1.566% |
| 76 | 16.167 | 2364 | 2367 | 2371 | rBV5 | 382959  | 676591  | 4.57%  | 0.358% |
| 77 | 16.241 | 2374 | 2379 | 2385 | rVV2 | 1475770 | 3206570 | 21.65% | 1.695% |
| 78 | 16.302 | 2385 | 2389 | 2402 | rVB5 | 1045356 | 2810713 | 18.98% | 1.486% |
| 79 | 16.503 | 2415 | 2422 | 2429 | rBV  | 2068577 | 4636014 | 31.30% | 2.451% |

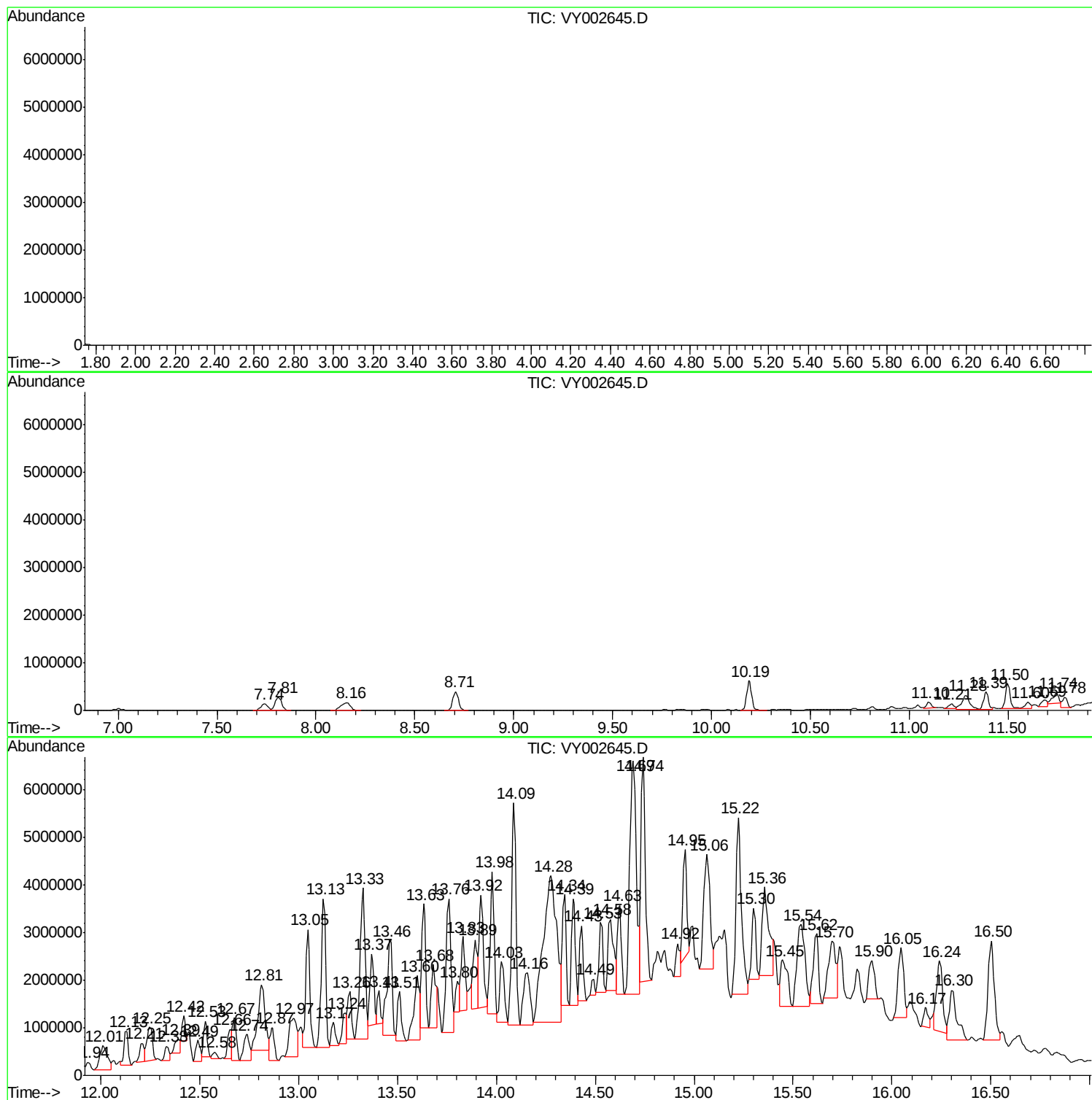
Sum of corrected areas: 189139764

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050820\  
Data File : VY002645.D  
Acq On : 08 May 2020 16:07  
Operator : SY/MD  
Sample : L2564-01  
Misc : 4.13G/5ML/MSVOA Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SW-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050820\  
Data File : VY002645.D  
Acq On : 08 May 2020 16:07  
Operator : SY/MD  
Sample : L2564-01  
Misc : 4.13G/5ML/MSVOA Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SW-1

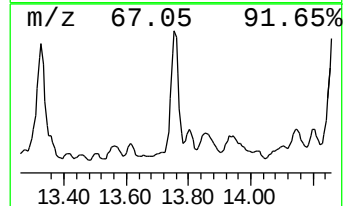
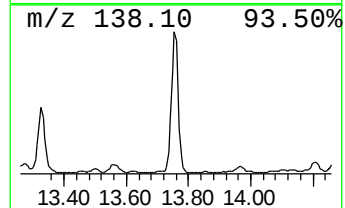
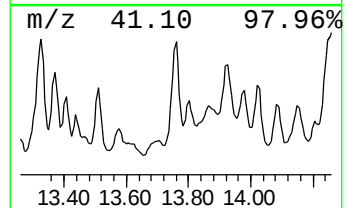
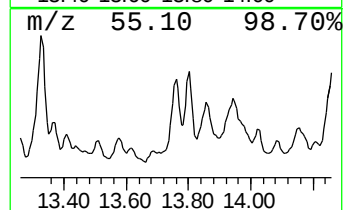
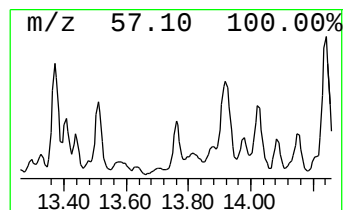
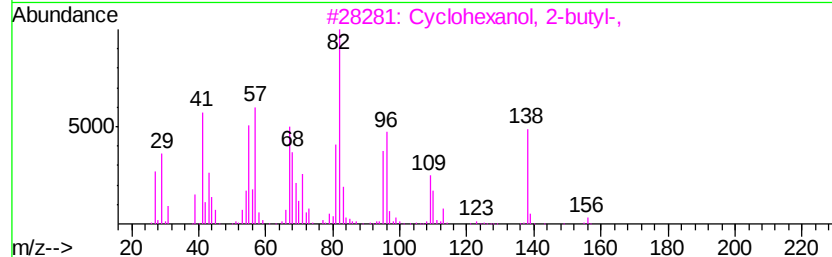
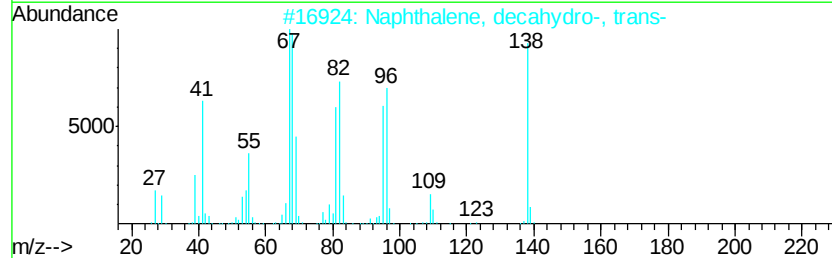
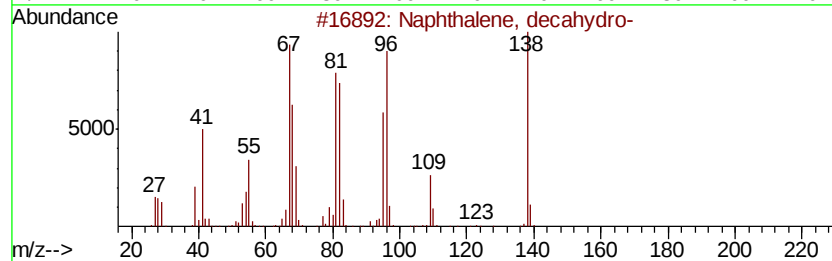
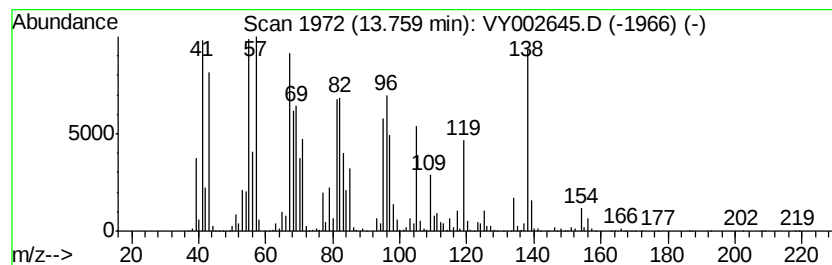
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 1 Naphthalene, decahydro- Concentration Rank 7

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 13.76 | 340.03 ug/l | 4765300 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, decahydro-         | 138 | C10H18  | 000091-17-8 | 97   |
| 2    |    | Naphthalene, decahydro-, trans- | 138 | C10H18  | 000493-02-7 | 78   |
| 3    |    | Cyclohexanol, 2-butyl-,         | 156 | C10H20O | 036159-49-6 | 70   |
| 4    |    | Spiro[4.5]decane                | 138 | C10H18  | 000176-63-6 | 64   |
| 5    |    | Naphthalene, decahydro-, cis-   | 138 | C10H18  | 000493-01-6 | 60   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050820\  
Data File : VY002645.D  
Acq On : 08 May 2020 16:07  
Operator : SY/MD  
Sample : L2564-01  
Misc : 4.13G/5ML/MSVOA Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

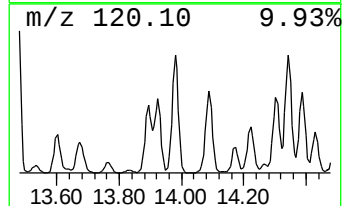
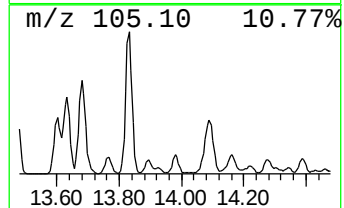
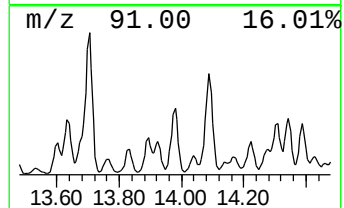
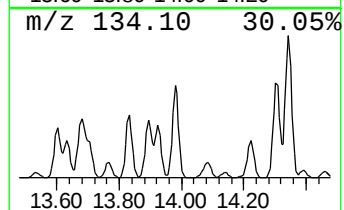
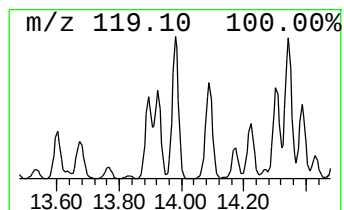
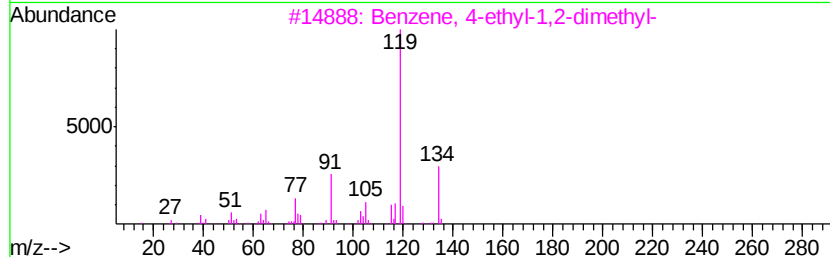
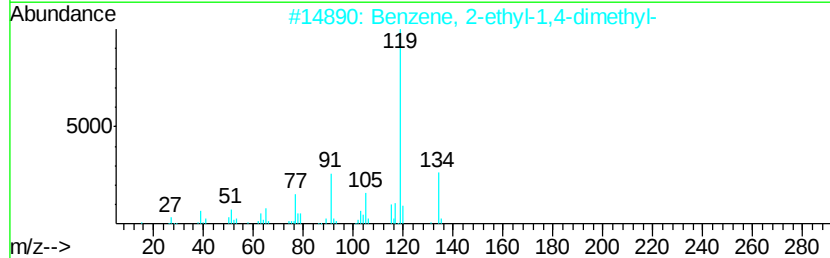
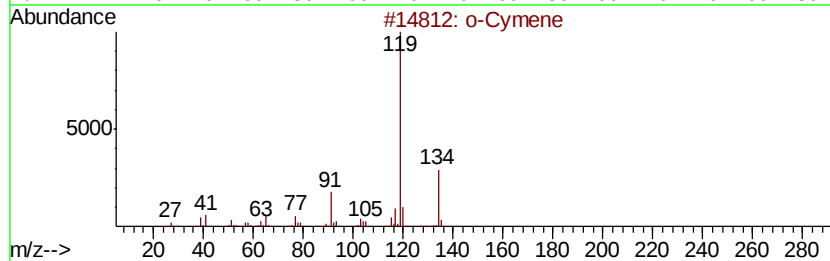
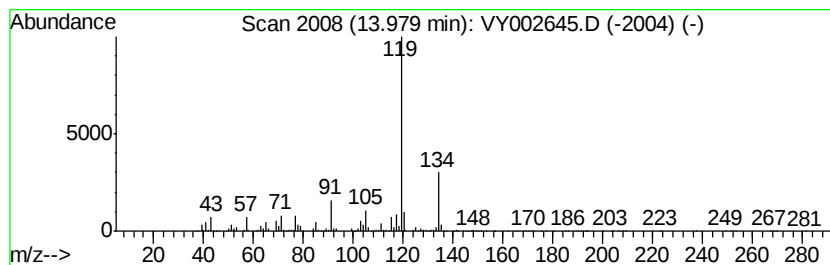
Instrument :  
MSVOA\_Y  
ClientSampled :  
SW-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 o-Cymene Concentration Rank 10

| R.T.    | EstConc     | Area                                | Relative to ISTD       | R.T.           |
|---------|-------------|-------------------------------------|------------------------|----------------|
| 13.98   | 299.19 ug/l | 4192890                             | 1,4-Dichlorobenzene-d4 | 13.43          |
| Hit# of | 5           | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |             | o-Cymene                            | 134 C10H14             | 000527-84-4 95 |
| 2       |             | Benzene, 2-ethyl-1,4-dimethyl-      | 134 C10H14             | 001758-88-9 95 |
| 3       |             | Benzene, 4-ethyl-1,2-dimethyl-      | 134 C10H14             | 000934-80-5 95 |
| 4       |             | Benzene, 1-methyl-3-(1-methyleth... | 134 C10H14             | 000535-77-3 94 |
| 5       |             | Benzene, 1-ethyl-2,4-dimethyl-      | 134 C10H14             | 000874-41-9 94 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050820\  
Data File : VY002645.D  
Acq On : 08 May 2020 16:07  
Operator : SY/MD  
Sample : L2564-01  
Misc : 4.13G/5ML/MSVOA Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SW-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
Quant Title : SW846 8260

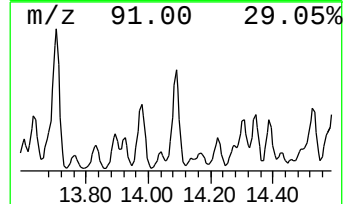
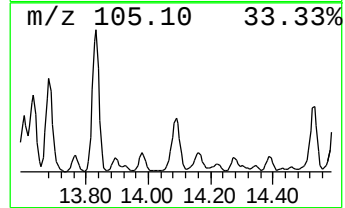
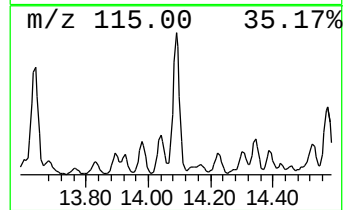
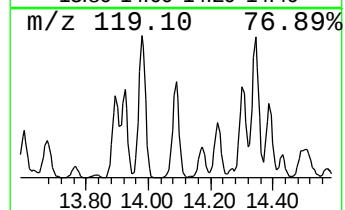
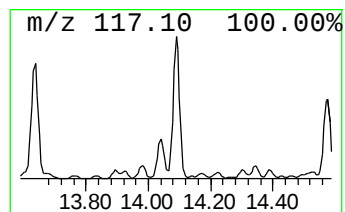
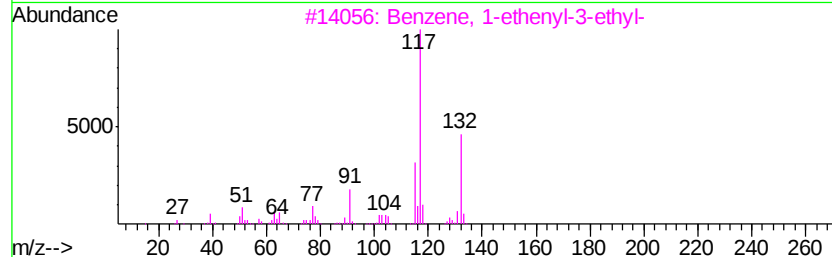
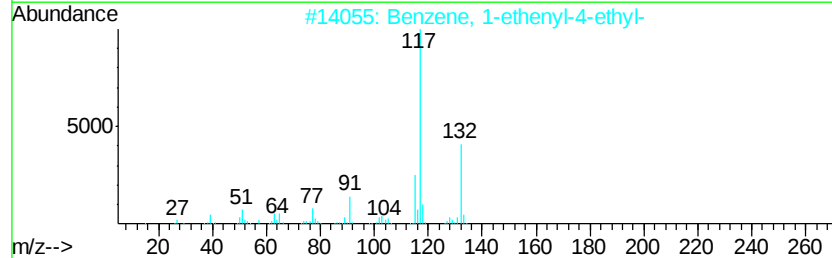
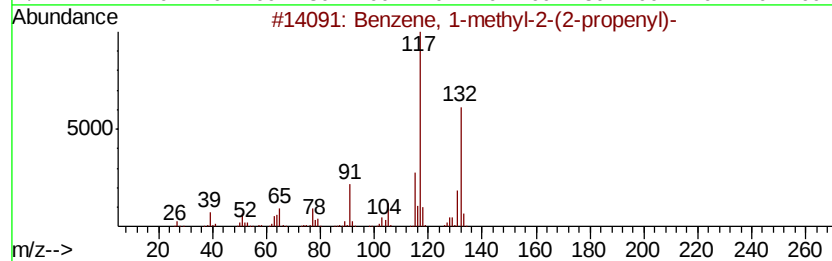
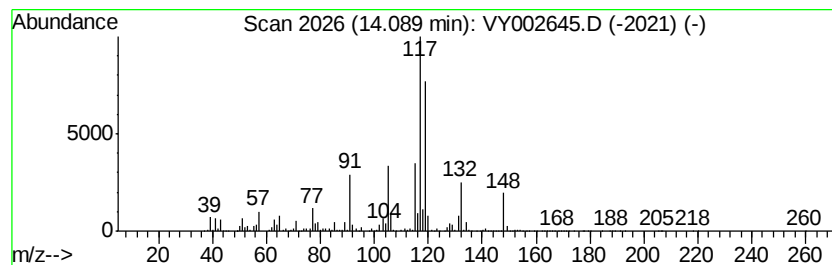
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Benzene, 1-methyl-2-(2-prop... Concentration Rank 4

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 14.09 | 504.94 ug/l | 7076460 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 55   |
| 2    |    |   | Benzene, 1-ethenyl-4-ethyl-       | 132 | C10H12  | 003454-07-7 | 50   |
| 3    |    |   | Benzene, 1-ethenyl-3-ethyl-       | 132 | C10H12  | 007525-62-4 | 50   |
| 4    |    |   | 3-Phenylbut-1-ene                 | 132 | C10H12  | 000934-10-1 | 50   |
| 5    |    |   | 1-Phenyl-1-butene                 | 132 | C10H12  | 000824-90-8 | 50   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050820\  
Data File : VY002645.D  
Acq On : 08 May 2020 16:07  
Operator : SY/MD  
Sample : L2564-01  
Misc : 4.13G/5ML/MSVOA Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SW-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
Quant Title : SW846 8260

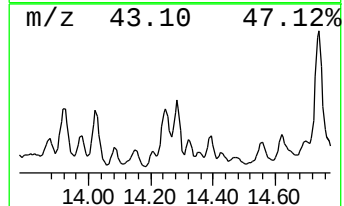
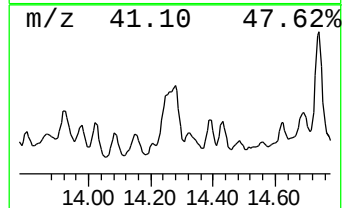
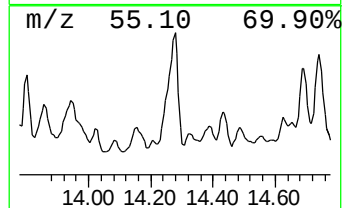
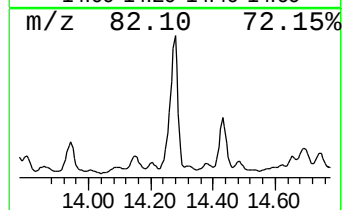
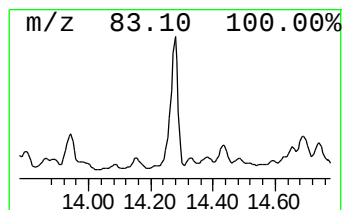
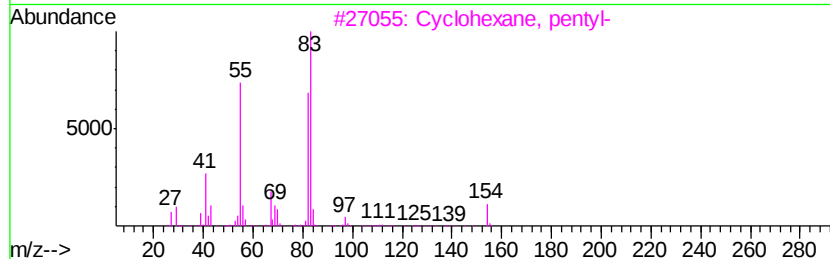
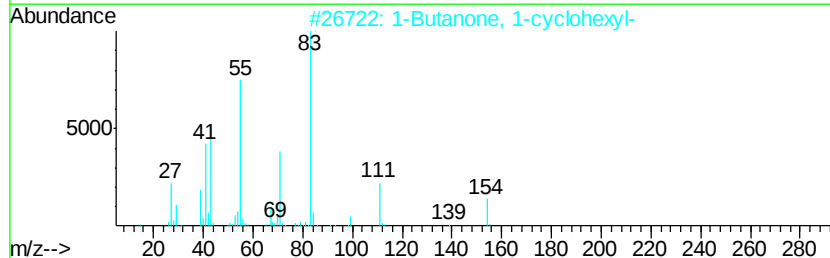
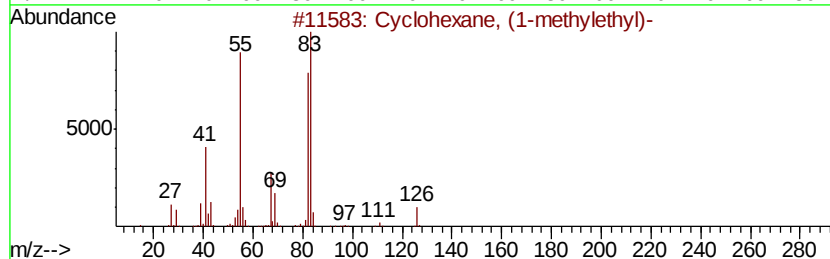
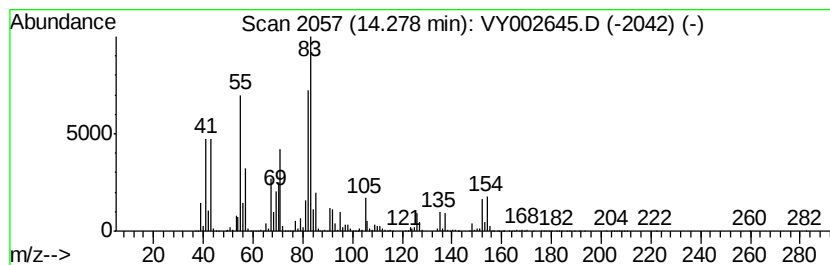
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Cyclohexane, (1-methylethyl)- Concentration Rank 1

| R.T.  | EstConc      | Area     | Relative to ISTD       | R.T.  |
|-------|--------------|----------|------------------------|-------|
| 14.28 | 1056.91 ug/l | 14811800 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, (1-methylethyl)-      | 126 | C9H18   | 000696-29-7 | 55   |
| 2    |    | 1-Butanone, 1-cyclohexyl-          | 154 | C10H18O | 001462-27-7 | 49   |
| 3    |    | Cyclohexane, pentyl-               | 154 | C11H22  | 004292-92-6 | 46   |
| 4    |    | Cyclohexane, propyl-               | 126 | C9H18   | 001678-92-8 | 46   |
| 5    |    | Cyclohexane, 1,1'-(1,4-butanedi... | 222 | C16H30  | 006165-44-2 | 43   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050820\  
Data File : VY002645.D  
Acq On : 08 May 2020 16:07  
Operator : SY/MD  
Sample : L2564-01  
Misc : 4.13G/5ML/MSVOA Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SW-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
Quant Title : SW846 8260

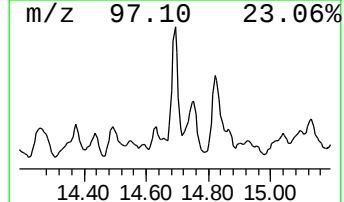
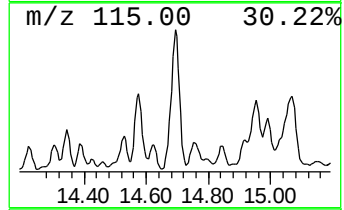
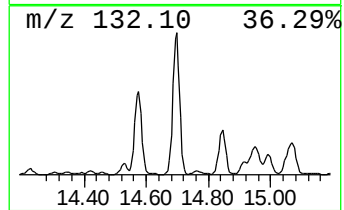
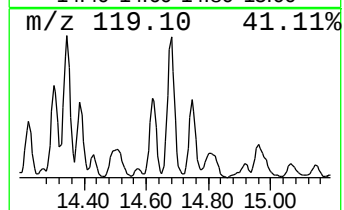
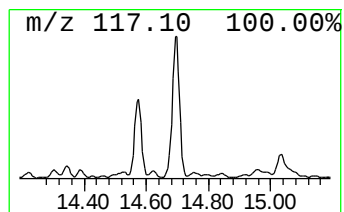
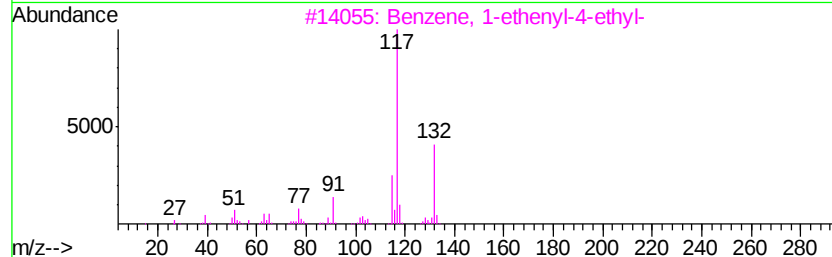
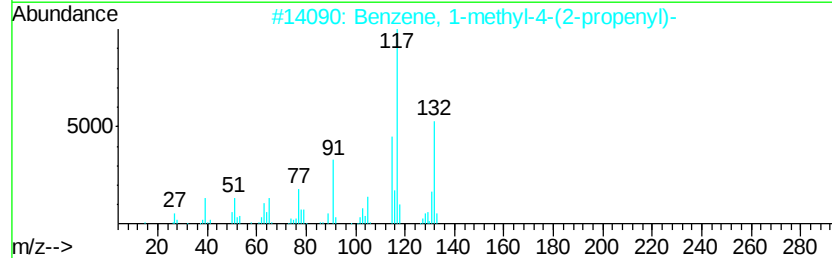
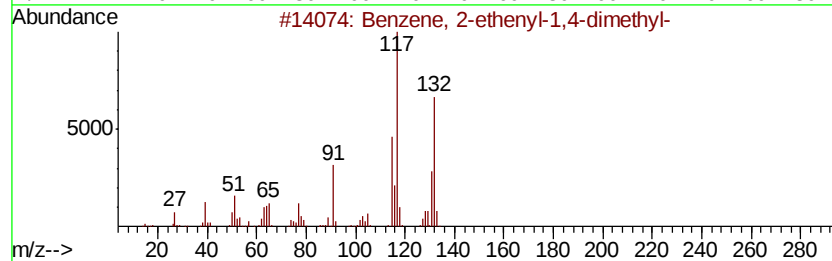
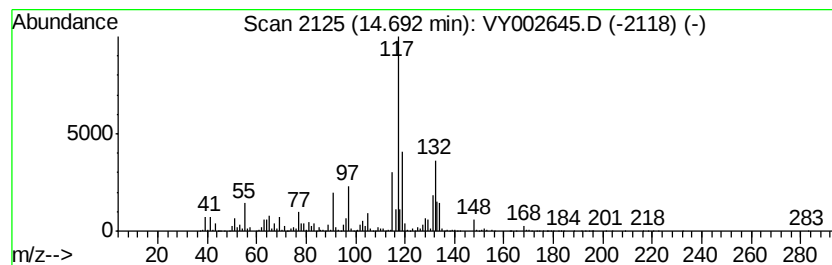
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 2

| R.T.  | EstConc     | Area     | Relative to ISTD       | R.T.  |
|-------|-------------|----------|------------------------|-------|
| 14.69 | 813.07 ug/l | 11394700 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------------------|-----|---------|-------------|------|
| 1       |   | Benzene, 2-ethenyl-1,4-dimethyl-    | 132 | C10H12  | 002039-89-6 | 90   |
| 2       |   | Benzene, 1-methyl-4-(2-propenyl)-   | 132 | C10H12  | 003333-13-9 | 86   |
| 3       |   | Benzene, 1-ethenyl-4-ethyl-         | 132 | C10H12  | 003454-07-7 | 64   |
| 4       |   | Benzene, 2-butenyl-                 | 132 | C10H12  | 001560-06-1 | 64   |
| 5       |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050820\  
 Data File : VY002645.D  
 Acq On : 08 May 2020 16:07  
 Operator : SY/MD  
 Sample : L2564-01  
 Misc : 4.13G/5ML/MSVOA Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SW-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
 Quant Title : SW846 8260

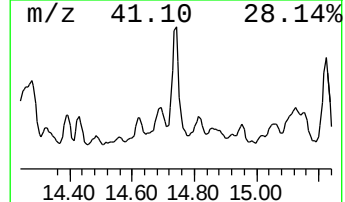
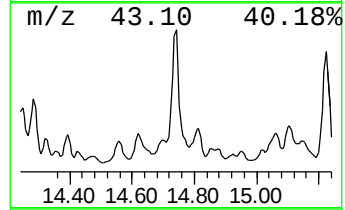
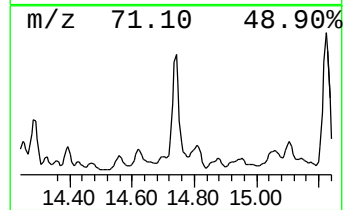
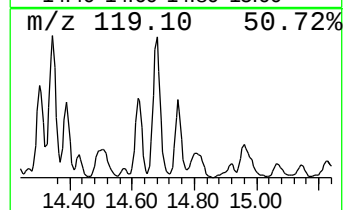
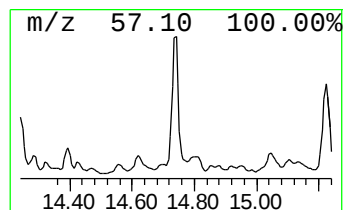
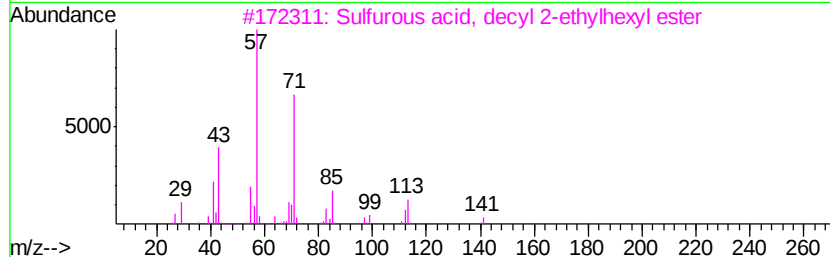
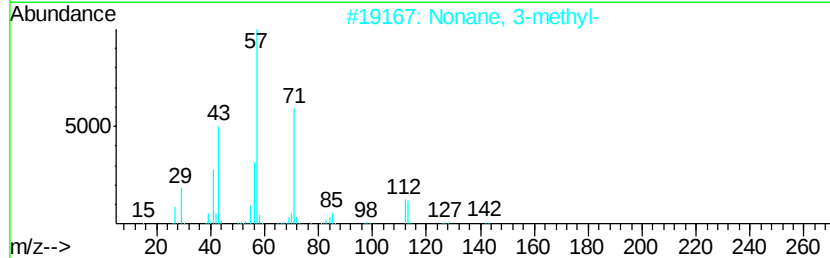
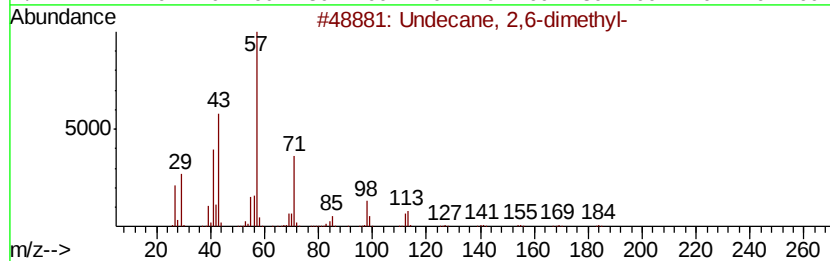
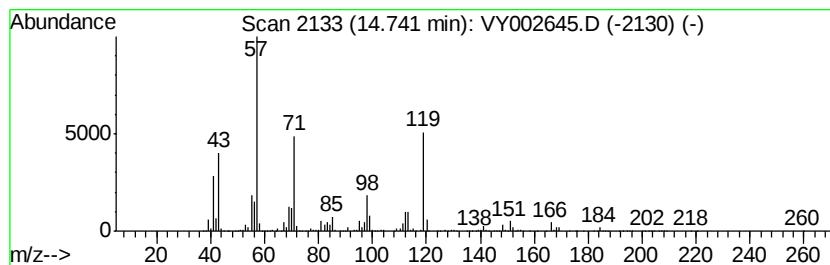
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 6 Undecane, 2,6-dimethyl- Concentration Rank 3

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 14.74 | 521.92 ug/l | 7314350 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Undecane, 2,6-dimethyl-             | 184 | C13H28    | 017301-23-4  | 78   |
| 2    |    |   | Nonane, 3-methyl-                   | 142 | C10H22    | 005911-04-6  | 55   |
| 3    |    |   | Sulfurous acid, decyl 2-ethylhex... | 334 | C18H38O3S | 1000309-19-3 | 43   |
| 4    |    |   | 1-Decene, 4-methyl-                 | 154 | C11H22    | 013151-29-6  | 42   |
| 5    |    |   | Undecane, 2,5-dimethyl-             | 184 | C13H28    | 017301-22-3  | 42   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050820\  
Data File : VY002645.D  
Acq On : 08 May 2020 16:07  
Operator : SY/MD  
Sample : L2564-01  
Misc : 4.13G/5ML/MSVOA Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SW-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
Quant Title : SW846 8260

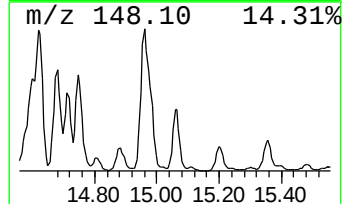
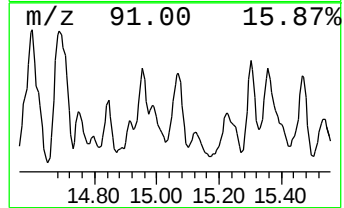
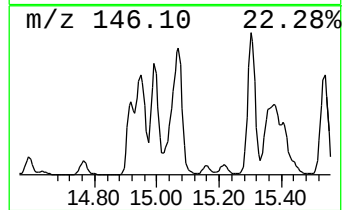
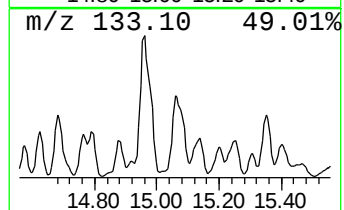
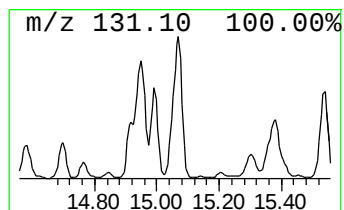
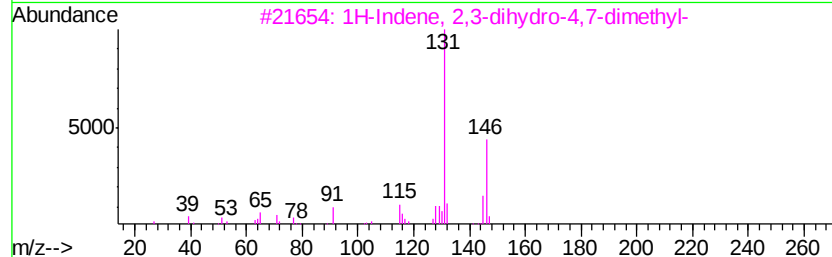
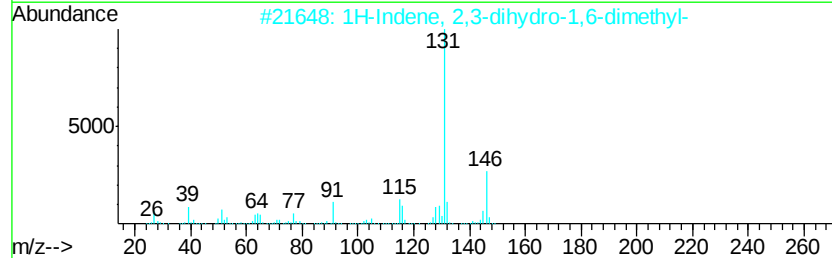
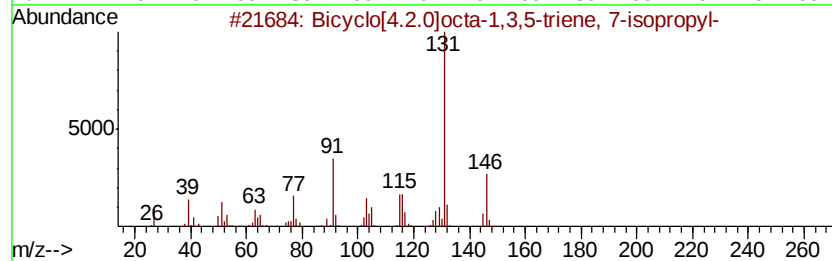
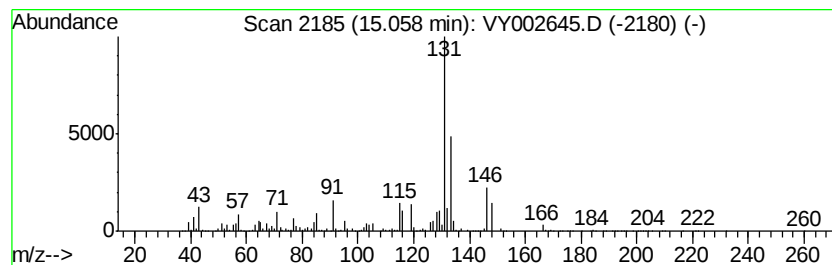
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 5

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 15.06 | 371.70 ug/l | 5209090 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Bicyclo[4.2.0]octa-1,3,5-triene,... | 146 | C11H14  | 027087-54-3 | 91   |
| 2    |    | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 64   |
| 3    |    | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 64   |
| 4    |    | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 64   |
| 5    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001559-81-5 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050820\  
Data File : VY002645.D  
Acq On : 08 May 2020 16:07  
Operator : SY/MD  
Sample : L2564-01  
Misc : 4.13G/5ML/MSVOA Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SW-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
Quant Title : SW846 8260

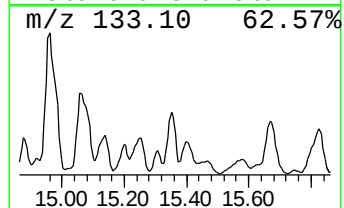
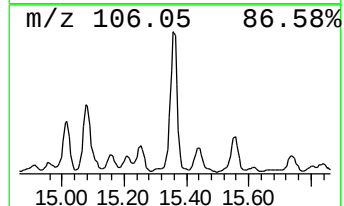
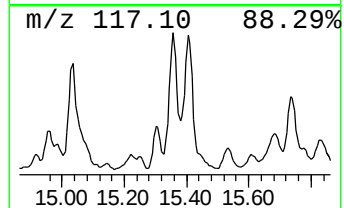
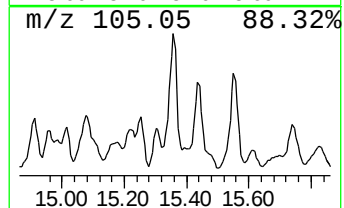
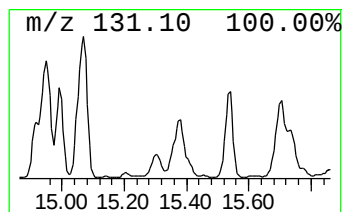
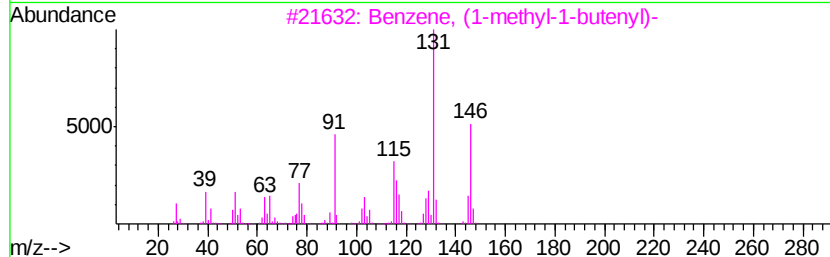
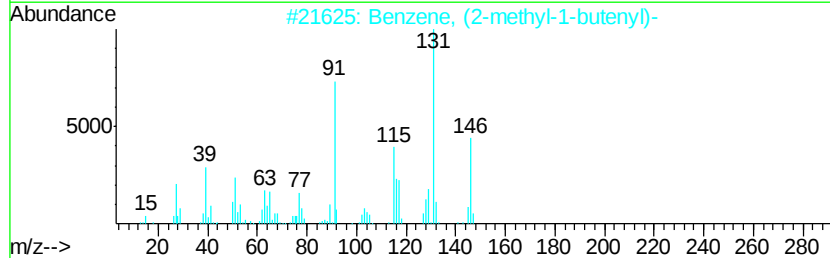
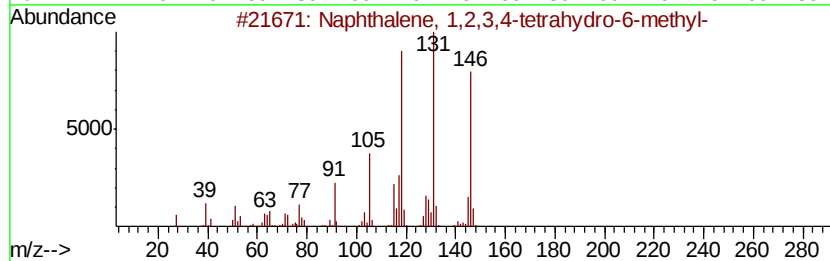
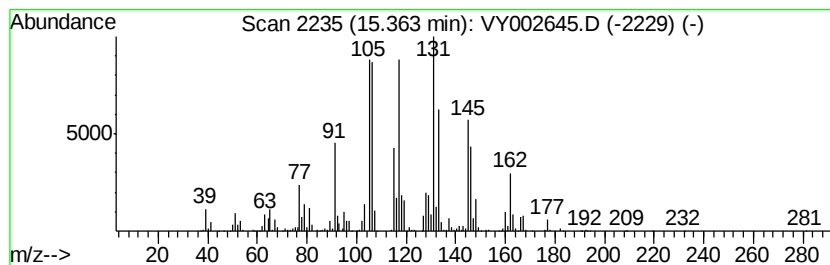
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 unknown15.36 Concentration Rank 9

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 15.36 | 318.77 ug/l | 4467280 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001680-51-9 | 42   |
| 2    |    | Benzene, (2-methyl-1-butenyl)-      | 146 | C11H14  | 056253-64-6 | 35   |
| 3    |    | Benzene, (1-methyl-1-butenyl)-      | 146 | C11H14  | 053172-84-2 | 35   |
| 4    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5 | 30   |
| 5    |    | Benzene, (1-ethyl-1-propenyl)-      | 146 | C11H14  | 004701-36-4 | 25   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050820\  
Data File : VY002645.D  
Acq On : 08 May 2020 16:07  
Operator : SY/MD  
Sample : L2564-01  
Misc : 4.13G/5ML/MSVOA Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

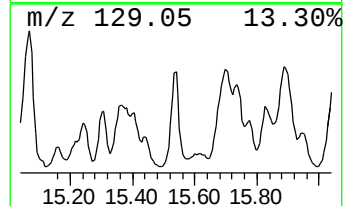
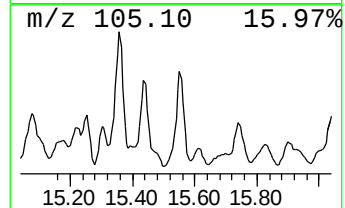
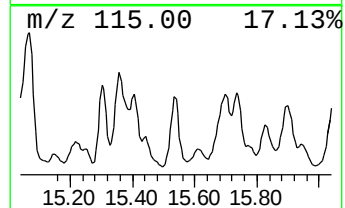
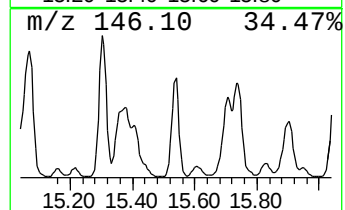
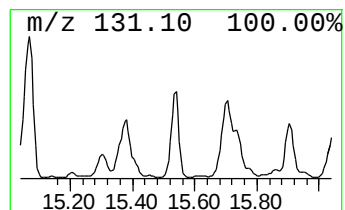
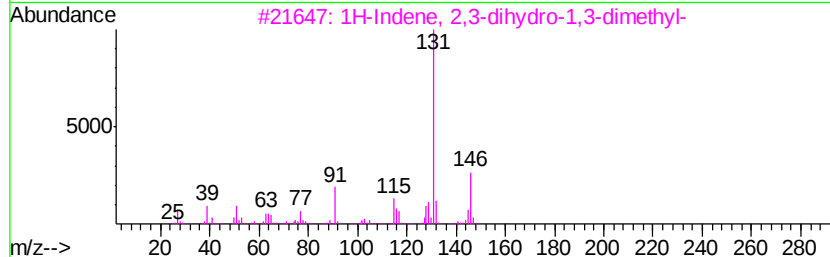
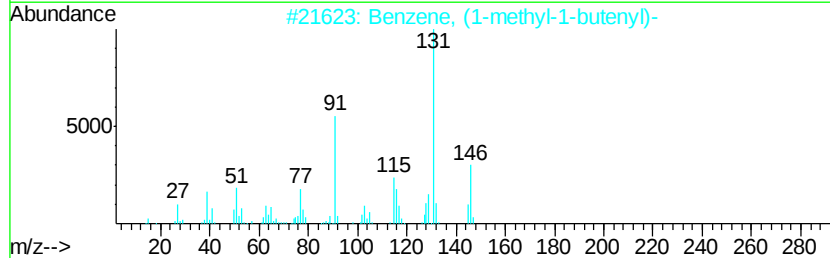
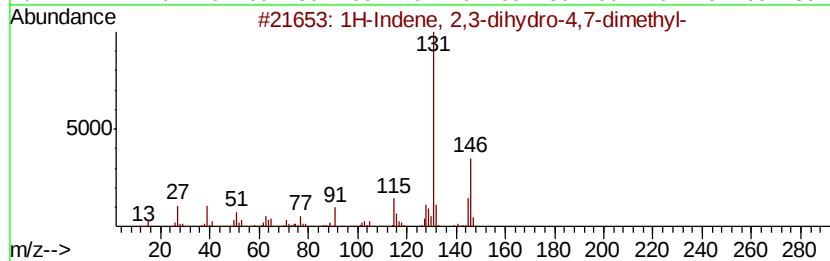
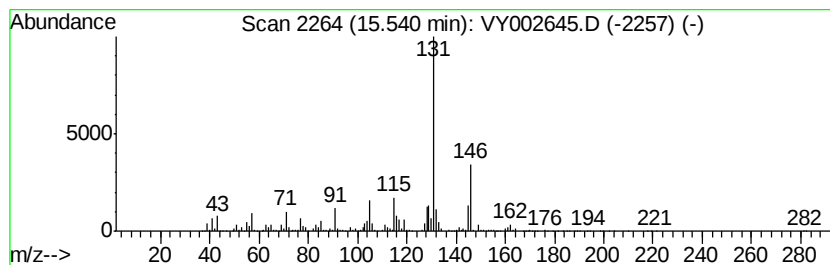
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SW-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 6

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 15.54   | 351.80 ug/l                         | 4930220      | 1,4-Dichlorobenzene-d4 | 13.43     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 C11H14   | 006682-71-9            | 94        |
| 2       | Benzene, (1-methyl-1-butenyl)-      | 146 C11H14   | 053172-84-2            | 93        |
| 3       | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 C11H14   | 004175-53-5            | 90        |
| 4       | Bicyclo[4.2.0]octa-1,3,5-triene,... | 146 C11H14   | 027087-54-3            | 90        |
| 5       | Benzene, 1-methyl-4-(1-methyl-2-... | 146 C11H14   | 097664-18-1            | 90        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050820\  
Data File : VY002645.D  
Acq On : 08 May 2020 16:07  
Operator : SY/MD  
Sample : L2564-01  
Misc : 4.13G/5ML/MSVOA Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SW-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
Quant Title : SW846 8260

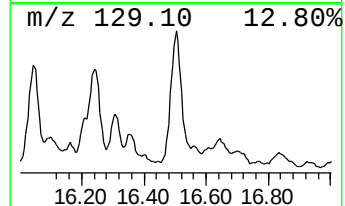
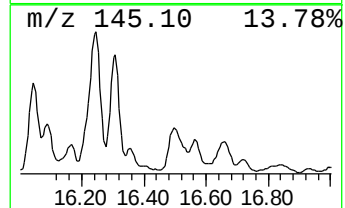
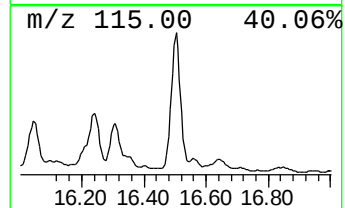
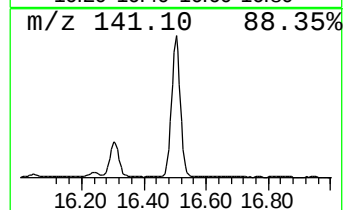
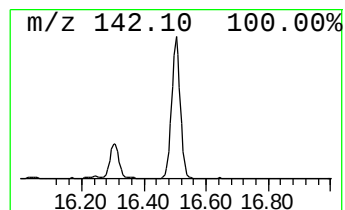
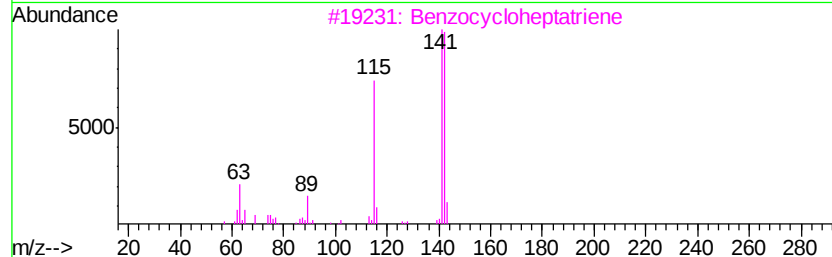
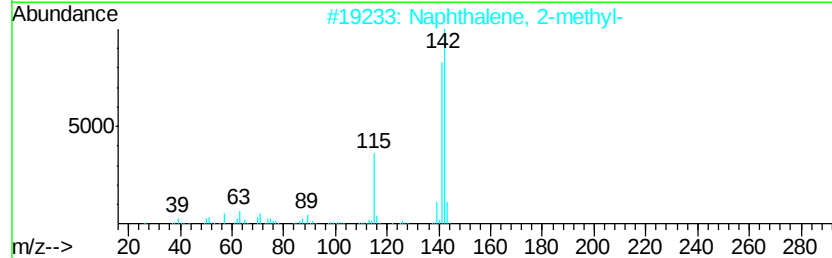
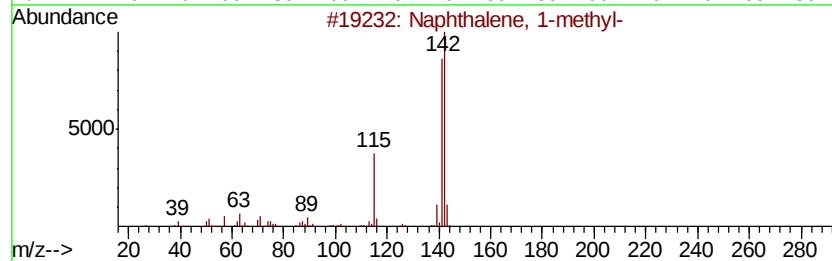
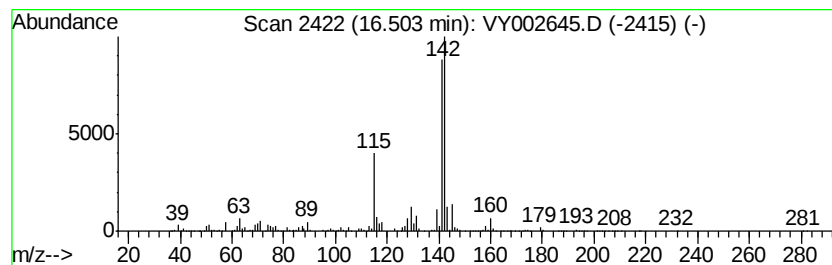
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 8

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 16.50 | 330.81 ug/l | 4636010 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 2    |    | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 3    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 90   |
| 4    |    | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 87   |
| 5    |    | Spiro(9-methylenetricyclo[6.2.1.... | 184 | C13H12O | 033929-47-4 | 78   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\DATA\VY050820\  
Data File : VY002645.D  
Acq On : 08 May 2020 16:07  
Operator : SY/MD  
Sample : L2564-01  
Misc : 4.13G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SW-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.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... | 13.76 | 340.0   | ug/l  | 4765300  | 4                     | 13.43 | 700717 | 50.0 |
| o-Cymene             | 13.98 | 299.2   | ug/l  | 4192890  | 4                     | 13.43 | 700717 | 50.0 |
| Benzene, 1-methyl... | 14.09 | 504.9   | ug/l  | 7076460  | 4                     | 13.43 | 700717 | 50.0 |
| Cyclohexane, (1-m... | 14.28 | 1056.9  | ug/l  | 14811800 | 4                     | 13.43 | 700717 | 50.0 |
| Benzene, 2-etheny... | 14.69 | 813.1   | ug/l  | 11394700 | 4                     | 13.43 | 700717 | 50.0 |
| Undecane, 2,6-dim... | 14.74 | 521.9   | ug/l  | 7314350  | 4                     | 13.43 | 700717 | 50.0 |
| Bicyclo[4.2.0]oct... | 15.06 | 371.7   | ug/l  | 5209090  | 4                     | 13.43 | 700717 | 50.0 |
| unknown15.36         | 15.36 | 318.8   | ug/l  | 4467280  | 4                     | 13.43 | 700717 | 50.0 |
| 1H-Indene, 2,3-di... | 15.54 | 351.8   | ug/l  | 4930220  | 4                     | 13.43 | 700717 | 50.0 |
| Naphthalene, 1-me... | 16.50 | 330.8   | ug/l  | 4636010  | 4                     | 13.43 | 700717 | 50.0 |