

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102425\  
 Data File : VY023571.D  
 Acq On : 24 Oct 2025 14:28  
 Operator : SY/MD  
 Sample : Q3434-01  
 Misc : 6.17g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PR132-WC1-20251022

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\82Y100725S.M

Title : SW846 8260

Signal : TIC: VY023571.D\data.ms

| 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         | 3.872       | 344           | 353         | 363          | rBV2     | 18213          | 51758         | 1.37%           | 0.191%        |
| 2         | 4.110       | 381           | 392         | 406          | rBV      | 87158          | 239645        | 6.36%           | 0.884%        |
| 3         | 4.628       | 466           | 477         | 483          | rBV2     | 17937          | 58135         | 1.54%           | 0.214%        |
| 4         | 4.714       | 483           | 491         | 503          | rVB5     | 19708          | 65872         | 1.75%           | 0.243%        |
| 5         | 6.896       | 838           | 849         | 859          | rBV2     | 20489          | 66460         | 1.76%           | 0.245%        |
| 6         | 7.640       | 958           | 971         | 977          | rBV      | 576953         | 1401706       | 37.19%          | 5.168%        |
| 7         | 7.713       | 977           | 983         | 993          | rVB      | 931125         | 2091157       | 55.48%          | 7.711%        |
| 8         | 8.067       | 1031          | 1041        | 1052         | rBV      | 461061         | 1036310       | 27.49%          | 3.821%        |
| 9         | 8.250       | 1064          | 1071        | 1081         | rVB      | 29030          | 73350         | 1.95%           | 0.270%        |
| 10        | 8.615       | 1120          | 1131        | 1151         | rBV      | 1390190        | 2778649       | 73.72%          | 10.245%       |
| 11        | 8.853       | 1163          | 1170        | 1177         | rBV2     | 29378          | 63347         | 1.68%           | 0.234%        |
| 12        | 9.115       | 1200          | 1213        | 1218         | rBV6     | 34895          | 98494         | 2.61%           | 0.363%        |
| 13        | 9.542       | 1275          | 1283        | 1291         | rVB2     | 29984          | 61371         | 1.63%           | 0.226%        |
| 14        | 9.682       | 1295          | 1306        | 1311         | rBV2     | 38374          | 86791         | 2.30%           | 0.320%        |
| 15        | 10.042      | 1360          | 1365        | 1369         | rBV      | 26805          | 42945         | 1.14%           | 0.158%        |
| 16        | 10.109      | 1369          | 1376        | 1390         | rVB      | 2235602        | 3769327       | 100.00%         | 13.898%       |
| 17        | 10.731      | 1472          | 1478        | 1484         | rVB      | 44557          | 76720         | 2.04%           | 0.283%        |
| 18        | 10.835      | 1489          | 1495        | 1502         | rVV      | 35507          | 74268         | 1.97%           | 0.274%        |
| 19        | 11.018      | 1520          | 1525        | 1531         | rVB2     | 80780          | 136009        | 3.61%           | 0.501%        |
| 20        | 11.133      | 1538          | 1544        | 1548         | rBV4     | 35242          | 62157         | 1.65%           | 0.229%        |
| 21        | 11.200      | 1548          | 1555        | 1567         | rVB9     | 42599          | 170170        | 4.51%           | 0.627%        |
| 22        | 11.310      | 1567          | 1573        | 1576         | rBV2     | 26825          | 47728         | 1.27%           | 0.176%        |
| 23        | 11.420      | 1583          | 1591        | 1601         | rBV      | 1985219        | 3238940       | 85.93%          | 11.943%       |
| 24        | 11.615      | 1616          | 1623        | 1627         | rBV5     | 42252          | 101325        | 2.69%           | 0.374%        |
| 25        | 11.670      | 1627          | 1632        | 1636         | rVV2     | 56900          | 113851        | 3.02%           | 0.420%        |
| 26        | 11.706      | 1636          | 1638        | 1643         | rVB3     | 35828          | 46007         | 1.22%           | 0.170%        |
| 27        | 11.932      | 1667          | 1675        | 1682         | rBV6     | 78782          | 260215        | 6.90%           | 0.959%        |
| 28        | 12.048      | 1690          | 1694        | 1698         | rVB      | 100142         | 144009        | 3.82%           | 0.531%        |
| 29        | 12.127      | 1698          | 1707        | 1709         | rBV5     | 74751          | 148361        | 3.94%           | 0.547%        |
| 30        | 12.164      | 1709          | 1713        | 1718         | rVV3     | 126155         | 240100        | 6.37%           | 0.885%        |
| 31        | 12.243      | 1718          | 1726        | 1729         | rVV7     | 34546          | 95925         | 2.54%           | 0.354%        |
| 32        | 12.298      | 1730          | 1735        | 1741         | rVB6     | 55264          | 126742        | 3.36%           | 0.467%        |
| 33        | 12.408      | 1746          | 1753        | 1760         | rBV2     | 1654637        | 2709783       | 71.89%          | 9.992%        |
| 34        | 12.499      | 1763          | 1768        | 1772         | rBV6     | 35466          | 65943         | 1.75%           | 0.243%        |
| 35        | 12.566      | 1772          | 1779        | 1786         | rVB5     | 122186         | 285505        | 7.57%           | 1.053%        |
| 36        | 12.657      | 1786          | 1794        | 1800         | rBV7     | 80469          | 247028        | 6.55%           | 0.911%        |

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 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PR132-WC1-20251022

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\82Y100725S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 37 | 12.737 | 1800 | 1807 | 1820 | rVB8 | 115444  | 422511  | 11.21% | 1.558%  |
| 38 | 12.853 | 1820 | 1826 | 1832 | rBV  | 199858  | 399002  | 10.59% | 1.471%  |
| 39 | 12.920 | 1832 | 1837 | 1841 | rBV  | 261284  | 401735  | 10.66% | 1.481%  |
| 40 | 12.962 | 1841 | 1844 | 1846 | rBV3 | 51420   | 58462   | 1.55%  | 0.216%  |
| 41 | 13.048 | 1853 | 1858 | 1861 | rVB5 | 41684   | 72576   | 1.93%  | 0.268%  |
| 42 | 13.096 | 1861 | 1866 | 1872 | rBV6 | 61394   | 138143  | 3.66%  | 0.509%  |
| 43 | 13.206 | 1879 | 1884 | 1888 | rBV  | 251886  | 376115  | 9.98%  | 1.387%  |
| 44 | 13.273 | 1893 | 1895 | 1900 | rVB5 | 38948   | 51344   | 1.36%  | 0.189%  |
| 45 | 13.346 | 1900 | 1907 | 1912 | rBV  | 1823425 | 2739235 | 72.67% | 10.100% |
| 46 | 13.395 | 1912 | 1915 | 1922 | rVB  | 163549  | 318760  | 8.46%  | 1.175%  |
| 47 | 13.487 | 1926 | 1930 | 1934 | rVB5 | 54361   | 75119   | 1.99%  | 0.277%  |
| 48 | 13.541 | 1934 | 1939 | 1941 | rBV4 | 45838   | 83604   | 2.22%  | 0.308%  |
| 49 | 13.663 | 1954 | 1959 | 1964 | rBV5 | 100299  | 183498  | 4.87%  | 0.677%  |
| 50 | 13.883 | 1990 | 1995 | 2000 | rVB  | 164087  | 275340  | 7.30%  | 1.015%  |
| 51 | 13.993 | 2010 | 2013 | 2018 | rVB5 | 48243   | 69420   | 1.84%  | 0.256%  |
| 52 | 14.060 | 2018 | 2024 | 2030 | rVB7 | 49814   | 120231  | 3.19%  | 0.443%  |
| 53 | 14.182 | 2038 | 2044 | 2057 | rBV6 | 73300   | 236365  | 6.27%  | 0.872%  |
| 54 | 14.304 | 2060 | 2064 | 2067 | rBV4 | 59565   | 104132  | 2.76%  | 0.384%  |
| 55 | 14.645 | 2117 | 2120 | 2127 | rVB3 | 73064   | 119738  | 3.18%  | 0.442%  |
| 56 | 14.767 | 2136 | 2140 | 2142 | rBV4 | 31023   | 47829   | 1.27%  | 0.176%  |
| 57 | 14.852 | 2152 | 2154 | 2159 | rVB4 | 42567   | 57631   | 1.53%  | 0.212%  |
| 58 | 14.919 | 2159 | 2165 | 2167 | rBV5 | 40466   | 76497   | 2.03%  | 0.282%  |
| 59 | 15.127 | 2195 | 2199 | 2205 | rBV4 | 48110   | 94986   | 2.52%  | 0.350%  |
| 60 | 15.346 | 2231 | 2235 | 2243 | rBV9 | 27320   | 54744   | 1.45%  | 0.202%  |
| 61 | 15.505 | 2257 | 2261 | 2268 | rVB4 | 64807   | 115822  | 3.07%  | 0.427%  |
| 62 | 16.047 | 2346 | 2350 | 2355 | rVB4 | 32951   | 51768   | 1.37%  | 0.191%  |

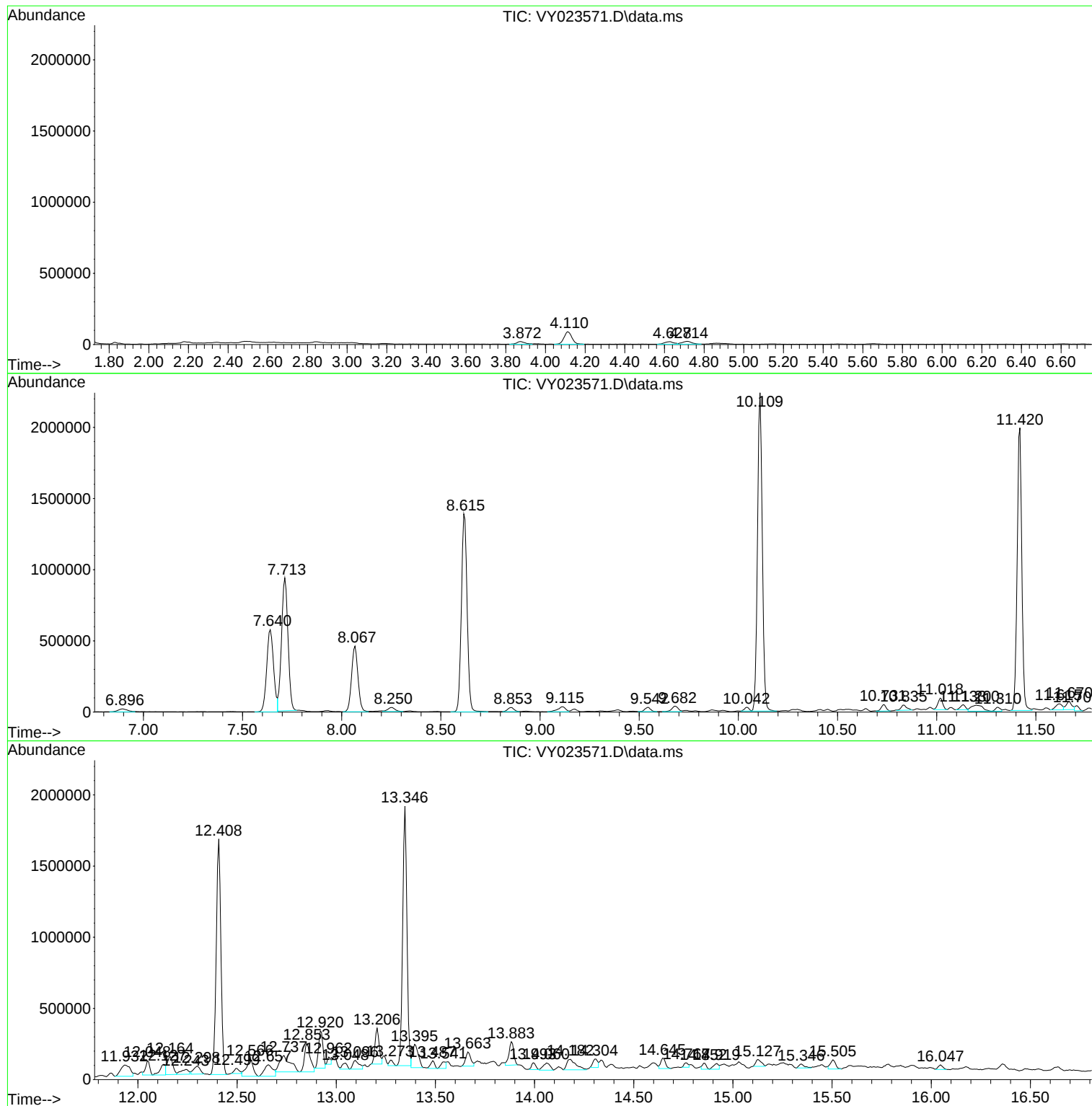
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Sample : Q3434-01  
Misc : 6.17g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PR132-WC1-20251022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102425\  
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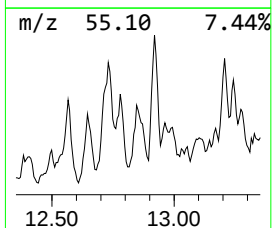
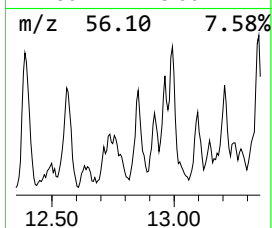
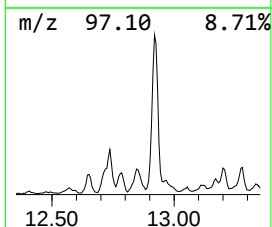
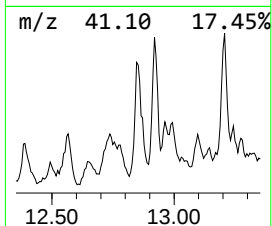
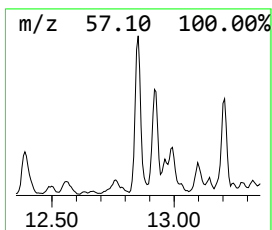
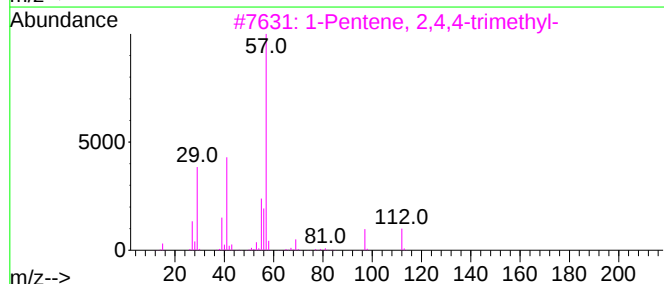
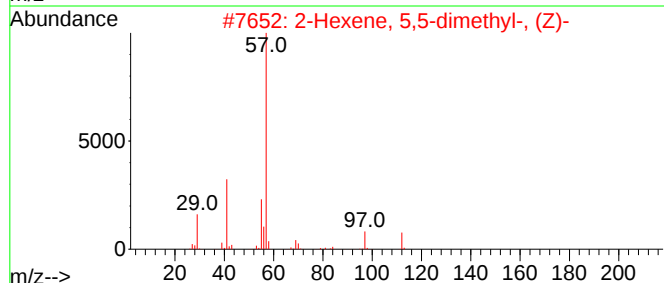
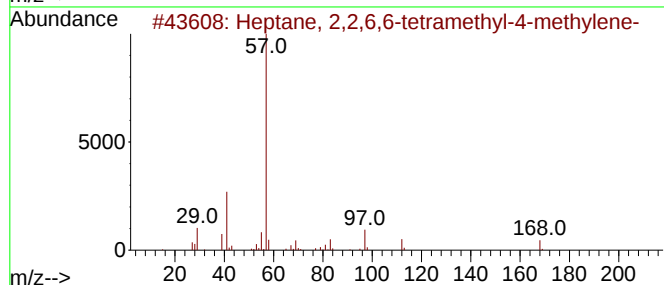
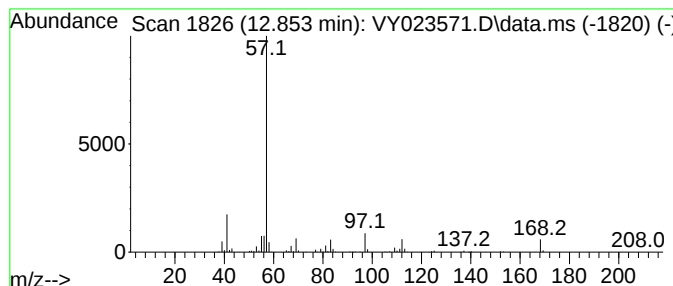
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Heptane, 2,2,6,6-tetramethyl... Concentration Rank 3

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.852 | 7.28 ug/l | 399002 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptane, 2,2,6,6-tetramethyl-4-m... | 168 | C12H24  | 000141-70-8 | 87   |
| 2    |    |   | 2-Hexene, 5,5-dimethyl-, (Z)-       | 112 | C8H16   | 039761-61-0 | 47   |
| 3    |    |   | 1-Pentene, 2,4,4-trimethyl-         | 112 | C8H16   | 000107-39-1 | 43   |
| 4    |    |   | 4-Decene, 2,2-dimethyl-, (Z)-       | 168 | C12H24  | 055499-03-1 | 40   |
| 5    |    |   | 6-Tridecene, 2,2,4,10,12,12-hexa... | 392 | C28H56  | 055255-73-7 | 38   |



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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260

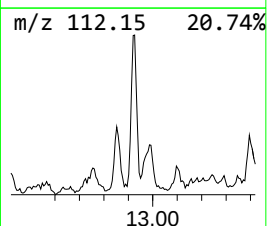
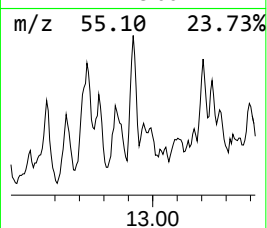
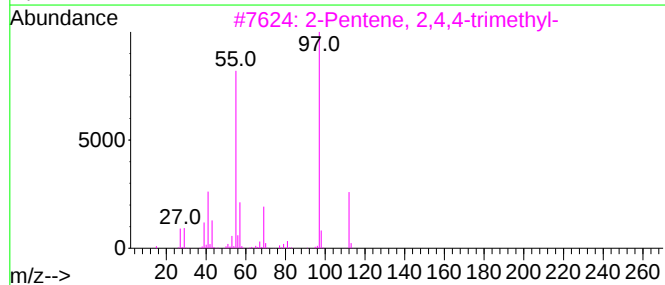
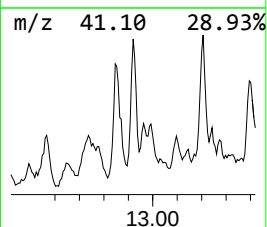
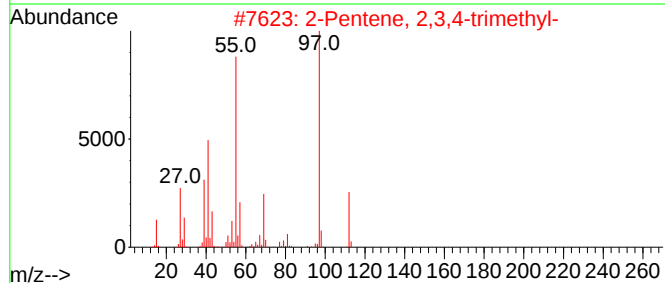
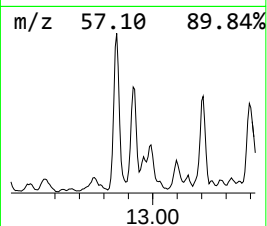
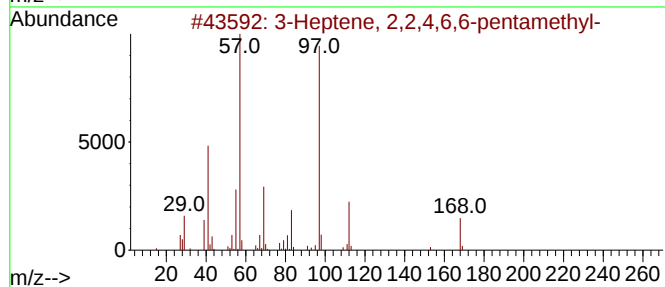
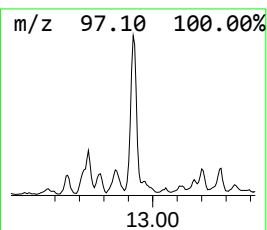
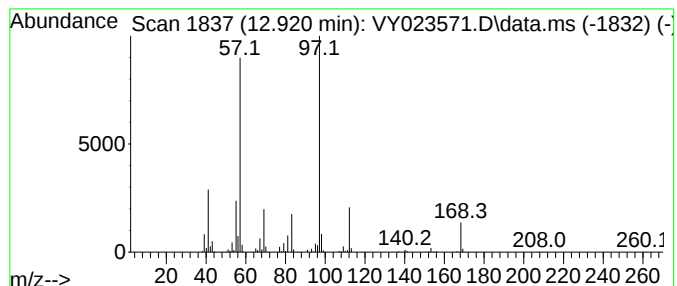
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 3-Heptene, 2,2,4,6,6-pentam... Concentration Rank 2

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.920 | 7.33 ug/l | 401735 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 3-Heptene, 2,2,4,6,6-pentamethyl- | 168 | C12H24  | 000123-48-8 | 94   |
| 2    |    |   | 2-Pentene, 2,3,4-trimethyl-       | 112 | C8H16   | 000565-77-5 | 64   |
| 3    |    |   | 2-Pentene, 2,4,4-trimethyl-       | 112 | C8H16   | 000107-40-4 | 58   |
| 4    |    |   | 3-Cyclohexen-1-ol, 3-methyl-      | 112 | C7H12O  | 053783-91-8 | 53   |
| 5    |    |   | 2-Pyrazoline, 1,4,5-trimethyl-    | 112 | C6H12N2 | 007423-11-2 | 53   |



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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Heptane, 2,2,6,... | 12.852 | 7.3     | ug/l  | 399002   | 4                     | 13.346 | 2739240 | 50.0 |
| 3-Heptene, 2,2,... | 12.920 | 7.3     | ug/l  | 401735   | 4                     | 13.346 | 2739240 | 50.0 |