

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121125\  
 Data File : VY023958.D  
 Acq On : 11 Dec 2025 16:28  
 Operator : SY/MD  
 Sample : Q3834-29  
 Misc : 11.93g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B127(5.5-8)120925

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\82Y121025S.M  
 Title : SW846 8260

Signal : TIC: VY023958.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         | 7.793       | 989           | 996         | 1009         | rVB      | 1626216        | 4053443       | 2.95%           | 0.153%        |
| 2         | 7.982       | 1009          | 1027        | 1035         | rBV      | 1263575        | 3400123       | 2.47%           | 0.129%        |
| 3         | 8.201       | 1051          | 1063        | 1069         | rBV2     | 2765313        | 6614891       | 4.81%           | 0.250%        |
| 4         | 8.274       | 1069          | 1075        | 1082         | rVV2     | 2032291        | 4674262       | 3.40%           | 0.177%        |
| 5         | 9.079       | 1196          | 1207        | 1212         | rBV      | 12470654       | 26900399      | 19.55%          | 1.019%        |
| 6         | 9.170       | 1218          | 1222        | 1230         | rVB      | 5743308        | 10769004      | 7.82%           | 0.408%        |
| 7         | 9.390       | 1246          | 1258        | 1272         | rVB      | 16077081       | 34284083      | 24.91%          | 1.298%        |
| 8         | 9.536       | 1272          | 1282        | 1294         | rBV2     | 17175091       | 32804384      | 23.83%          | 1.242%        |
| 9         | 9.689       | 1295          | 1307        | 1311         | rBV      | 4997333        | 10129713      | 7.36%           | 0.384%        |
| 10        | 9.731       | 1311          | 1314        | 1321         | rVB      | 2534898        | 4513266       | 3.28%           | 0.171%        |
| 11        | 9.865       | 1328          | 1336        | 1341         | rBV      | 11536370       | 21842855      | 15.87%          | 0.827%        |
| 12        | 9.920       | 1341          | 1345        | 1352         | rVB      | 4379438        | 7696791       | 5.59%           | 0.291%        |
| 13        | 10.006      | 1352          | 1359        | 1361         | rBV      | 4722488        | 9326041       | 6.78%           | 0.353%        |
| 14        | 10.103      | 1369          | 1375        | 1387         | rVB      | 19843294       | 36558305      | 26.56%          | 1.384%        |
| 15        | 10.237      | 1390          | 1397        | 1399         | rBV2     | 3902487        | 6720272       | 4.88%           | 0.254%        |
| 16        | 10.274      | 1399          | 1403        | 1414         | rVB3     | 15595889       | 34536861      | 25.09%          | 1.308%        |
| 17        | 10.414      | 1414          | 1426        | 1428         | rBV2     | 10594651       | 21315521      | 15.49%          | 0.807%        |
| 18        | 10.451      | 1428          | 1432        | 1441         | rVB2     | 63367074       | 104497832     | 75.93%          | 3.956%        |
| 19        | 10.548      | 1441          | 1448        | 1453         | rBV      | 24348328       | 46284619      | 33.63%          | 1.752%        |
| 20        | 10.597      | 1453          | 1456        | 1460         | rVB      | 7725491        | 10282597      | 7.47%           | 0.389%        |
| 21        | 10.646      | 1460          | 1464        | 1468         | rVB      | 12498459       | 18019005      | 13.09%          | 0.682%        |
| 22        | 10.688      | 1468          | 1471        | 1474         | rBV      | 1747148        | 2405138       | 1.75%           | 0.091%        |
| 23        | 10.737      | 1474          | 1479        | 1485         | rVB      | 37910062       | 56843382      | 41.30%          | 2.152%        |
| 24        | 10.841      | 1485          | 1496        | 1503         | rBV      | 22406660       | 49589799      | 36.03%          | 1.878%        |
| 25        | 10.908      | 1503          | 1507        | 1509         | rBV      | 9335071        | 14641758      | 10.64%          | 0.554%        |
| 26        | 10.932      | 1509          | 1511        | 1514         | rVV      | 6058095        | 7215919       | 5.24%           | 0.273%        |
| 27        | 10.969      | 1514          | 1517        | 1520         | rVB      | 9739749        | 12412157      | 9.02%           | 0.470%        |
| 28        | 11.024      | 1520          | 1526        | 1531         | rBV2     | 78354674       | 137632688     | 100.00%         | 5.211%        |
| 29        | 11.079      | 1531          | 1535        | 1539         | rVB      | 13130227       | 18131496      | 13.17%          | 0.686%        |
| 30        | 11.140      | 1539          | 1545        | 1549         | rBV3     | 29745401       | 49274905      | 35.80%          | 1.866%        |
| 31        | 11.182      | 1549          | 1552        | 1555         | rVB      | 5397953        | 6621051       | 4.81%           | 0.251%        |
| 32        | 11.231      | 1555          | 1560        | 1568         | rVB      | 46418748       | 77638844      | 56.41%          | 2.940%        |
| 33        | 11.304      | 1568          | 1572        | 1576         | rBV2     | 3714026        | 5908206       | 4.29%           | 0.224%        |
| 34        | 11.347      | 1576          | 1579        | 1585         | rVB3     | 1886837        | 2576930       | 1.87%           | 0.098%        |
| 35        | 11.408      | 1585          | 1589        | 1593         | rBV3     | 2013527        | 3565883       | 2.59%           | 0.135%        |
| 36        | 11.457      | 1593          | 1597        | 1600         | rBV2     | 2081829        | 2742413       | 1.99%           | 0.104%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121125\  
 Data File : VY023958.D  
 Acq On : 11 Dec 2025 16:28  
 Operator : SY/MD  
 Sample : Q3834-29  
 Misc : 11.93g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B127(5.5-8)120925

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\82Y121025S.M  
 Title : SW846 8260

|    |        |      |      |      |      |          |          |        |        |
|----|--------|------|------|------|------|----------|----------|--------|--------|
| 37 | 11.505 | 1600 | 1605 | 1609 | rBV2 | 7179830  | 11895918 | 8.64%  | 0.450% |
| 38 | 11.554 | 1609 | 1613 | 1617 | rBV  | 15871489 | 21573845 | 15.67% | 0.817% |
| 39 | 11.609 | 1617 | 1622 | 1626 | rBV3 | 9970157  | 18224299 | 13.24% | 0.690% |
| 40 | 11.670 | 1626 | 1632 | 1636 | rBV2 | 40889271 | 76286043 | 55.43% | 2.888% |

|    |        |      |      |      |      |          |           |        |        |
|----|--------|------|------|------|------|----------|-----------|--------|--------|
| 41 | 11.713 | 1636 | 1639 | 1644 | rVB2 | 28766636 | 42125762  | 30.61% | 1.595% |
| 42 | 11.774 | 1644 | 1649 | 1652 | rBV2 | 5161505  | 10044109  | 7.30%  | 0.380% |
| 43 | 11.828 | 1652 | 1658 | 1661 | rBV2 | 9063116  | 15836862  | 11.51% | 0.600% |
| 44 | 11.865 | 1661 | 1664 | 1668 | rVB2 | 8527837  | 11842209  | 8.60%  | 0.448% |
| 45 | 11.932 | 1668 | 1675 | 1682 | rBV4 | 51058699 | 117983151 | 85.72% | 4.467% |

|    |        |      |      |      |      |          |          |        |        |
|----|--------|------|------|------|------|----------|----------|--------|--------|
| 46 | 11.987 | 1682 | 1684 | 1687 | rVB2 | 4462317  | 4451859  | 3.23%  | 0.169% |
| 47 | 12.017 | 1687 | 1689 | 1692 | rBV2 | 3110796  | 3059039  | 2.22%  | 0.116% |
| 48 | 12.054 | 1692 | 1695 | 1699 | rVB  | 30885831 | 38675180 | 28.10% | 1.464% |
| 49 | 12.097 | 1699 | 1702 | 1703 | rBV  | 6957246  | 7969225  | 5.79%  | 0.302% |
| 50 | 12.133 | 1703 | 1708 | 1711 | rBV  | 42561003 | 69411108 | 50.43% | 2.628% |

|    |        |      |      |      |      |          |          |        |        |
|----|--------|------|------|------|------|----------|----------|--------|--------|
| 51 | 12.170 | 1711 | 1714 | 1719 | rVB2 | 41293750 | 68279631 | 49.61% | 2.585% |
| 52 | 12.255 | 1725 | 1728 | 1731 | rVV2 | 4835532  | 6603150  | 4.80%  | 0.250% |
| 53 | 12.304 | 1731 | 1736 | 1741 | rVB3 | 18430698 | 35710526 | 25.95% | 1.352% |
| 54 | 12.414 | 1748 | 1754 | 1759 | rVB4 | 8124103  | 15984191 | 11.61% | 0.605% |
| 55 | 12.499 | 1759 | 1768 | 1772 | rBV5 | 15865859 | 47105985 | 34.23% | 1.784% |

|    |        |      |      |      |      |          |           |        |        |
|----|--------|------|------|------|------|----------|-----------|--------|--------|
| 56 | 12.542 | 1772 | 1775 | 1776 | rVV  | 10569135 | 13624433  | 9.90%  | 0.516% |
| 57 | 12.572 | 1776 | 1780 | 1787 | rVB2 | 49787472 | 84580722  | 61.45% | 3.202% |
| 58 | 12.658 | 1787 | 1794 | 1798 | rBV5 | 21599800 | 48736316  | 35.41% | 1.845% |
| 59 | 12.737 | 1799 | 1807 | 1812 | rVV3 | 43100819 | 105850218 | 76.91% | 4.008% |
| 60 | 12.792 | 1812 | 1816 | 1821 | rVB2 | 25589440 | 39863932  | 28.96% | 1.509% |

|    |        |      |      |      |      |          |          |        |        |
|----|--------|------|------|------|------|----------|----------|--------|--------|
| 61 | 12.841 | 1821 | 1824 | 1826 | rBV2 | 4709926  | 6455073  | 4.69%  | 0.244% |
| 62 | 12.877 | 1826 | 1830 | 1834 | rBV3 | 22453150 | 29161682 | 21.19% | 1.104% |
| 63 | 12.932 | 1834 | 1839 | 1841 | rBV3 | 14873777 | 26992981 | 19.61% | 1.022% |
| 64 | 12.969 | 1841 | 1845 | 1852 | rVB  | 54094433 | 86197953 | 62.63% | 3.264% |
| 65 | 13.029 | 1852 | 1855 | 1858 | rBV3 | 5561657  | 8147120  | 5.92%  | 0.308% |

|    |        |      |      |      |      |          |          |        |        |
|----|--------|------|------|------|------|----------|----------|--------|--------|
| 66 | 13.097 | 1862 | 1866 | 1871 | rBV2 | 17915229 | 27790444 | 20.19% | 1.052% |
| 67 | 13.151 | 1872 | 1875 | 1877 | rBV2 | 9900651  | 13384125 | 9.72%  | 0.507% |
| 68 | 13.249 | 1882 | 1891 | 1894 | rVV2 | 39756624 | 82551136 | 59.98% | 3.126% |
| 69 | 13.286 | 1894 | 1897 | 1902 | rVB6 | 11818277 | 18655582 | 13.55% | 0.706% |
| 70 | 13.389 | 1909 | 1914 | 1922 | rVB3 | 10725545 | 21902980 | 15.91% | 0.829% |

|    |        |      |      |      |      |          |          |        |        |
|----|--------|------|------|------|------|----------|----------|--------|--------|
| 71 | 13.493 | 1927 | 1931 | 1934 | rVV3 | 7593938  | 10129589 | 7.36%  | 0.384% |
| 72 | 13.621 | 1946 | 1952 | 1954 | rBV4 | 3408738  | 7635603  | 5.55%  | 0.289% |
| 73 | 13.670 | 1954 | 1960 | 1965 | rVV2 | 49813234 | 91614696 | 66.56% | 3.469% |
| 74 | 13.718 | 1965 | 1968 | 1972 | rVV2 | 16993610 | 29043038 | 21.10% | 1.100% |
| 75 | 13.779 | 1973 | 1978 | 1984 | rVV6 | 17989399 | 48270436 | 35.07% | 1.828% |

|    |        |      |      |      |      |          |          |        |        |
|----|--------|------|------|------|------|----------|----------|--------|--------|
| 76 | 13.840 | 1984 | 1988 | 1994 | rVV5 | 15589997 | 46831114 | 34.03% | 1.773% |
|----|--------|------|------|------|------|----------|----------|--------|--------|

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121125\  
Data File : VY023958.D  
Acq On : 11 Dec 2025 16:28  
Operator : SY/MD  
Sample : Q3834-29  
Misc : 11.93g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B127(5.5-8)120925

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\82Y121025S.M

Title : SW846 8260

|    |        |      |      |      |      |          |          |        |        |
|----|--------|------|------|------|------|----------|----------|--------|--------|
| 77 | 13.889 | 1994 | 1996 | 2001 | rVV3 | 13641002 | 22580298 | 16.41% | 0.855% |
| 78 | 13.938 | 2001 | 2004 | 2009 | rVB  | 9768190  | 13504655 | 9.81%  | 0.511% |
| 79 | 13.999 | 2010 | 2014 | 2019 | rVB4 | 5716343  | 9052271  | 6.58%  | 0.343% |
| 80 | 14.066 | 2019 | 2025 | 2030 | rBV6 | 8265877  | 15718701 | 11.42% | 0.595% |
| 81 | 14.121 | 2030 | 2034 | 2037 | rBV3 | 4332307  | 6519724  | 4.74%  | 0.247% |
| 82 | 14.188 | 2038 | 2045 | 2057 | rVB6 | 23957144 | 60480609 | 43.94% | 2.290% |
| 83 | 14.298 | 2060 | 2063 | 2066 | rBV4 | 1971897  | 2902415  | 2.11%  | 0.110% |
| 84 | 14.340 | 2066 | 2070 | 2075 | rBV2 | 11859213 | 15880310 | 11.54% | 0.601% |
| 85 | 14.535 | 2099 | 2102 | 2108 | rBV5 | 2851654  | 5933939  | 4.31%  | 0.225% |
| 86 | 14.602 | 2109 | 2113 | 2117 | rVV  | 7251894  | 12456983 | 9.05%  | 0.472% |
| 87 | 14.651 | 2117 | 2121 | 2127 | rVB3 | 19336558 | 30505879 | 22.16% | 1.155% |
| 88 | 14.724 | 2128 | 2133 | 2137 | rBV5 | 4125157  | 6809478  | 4.95%  | 0.258% |
| 89 | 14.767 | 2137 | 2140 | 2142 | rBV2 | 1679574  | 1969072  | 1.43%  | 0.075% |
| 90 | 14.858 | 2152 | 2155 | 2159 | rVB2 | 4616553  | 6695911  | 4.87%  | 0.254% |
| 91 | 14.919 | 2159 | 2165 | 2168 | rBV4 | 3032836  | 5768691  | 4.19%  | 0.218% |
| 92 | 15.060 | 2185 | 2188 | 2194 | rVB2 | 5494599  | 8207410  | 5.96%  | 0.311% |
| 93 | 15.127 | 2194 | 2199 | 2204 | rBV  | 13110076 | 19589514 | 14.23% | 0.742% |
| 94 | 15.188 | 2205 | 2209 | 2214 | rVB7 | 2232143  | 4077523  | 2.96%  | 0.154% |
| 95 | 15.413 | 2243 | 2246 | 2248 | rBV3 | 1263454  | 1880799  | 1.37%  | 0.071% |
| 96 | 15.450 | 2250 | 2252 | 2256 | rVV3 | 2843685  | 4227303  | 3.07%  | 0.160% |
| 97 | 15.511 | 2257 | 2262 | 2267 | rVB6 | 3175214  | 6554982  | 4.76%  | 0.248% |
| 98 | 15.974 | 2334 | 2338 | 2346 | rVB  | 2088876  | 4004936  | 2.91%  | 0.152% |
| 99 | 16.047 | 2346 | 2350 | 2356 | rVB3 | 1699379  | 2943342  | 2.14%  | 0.111% |

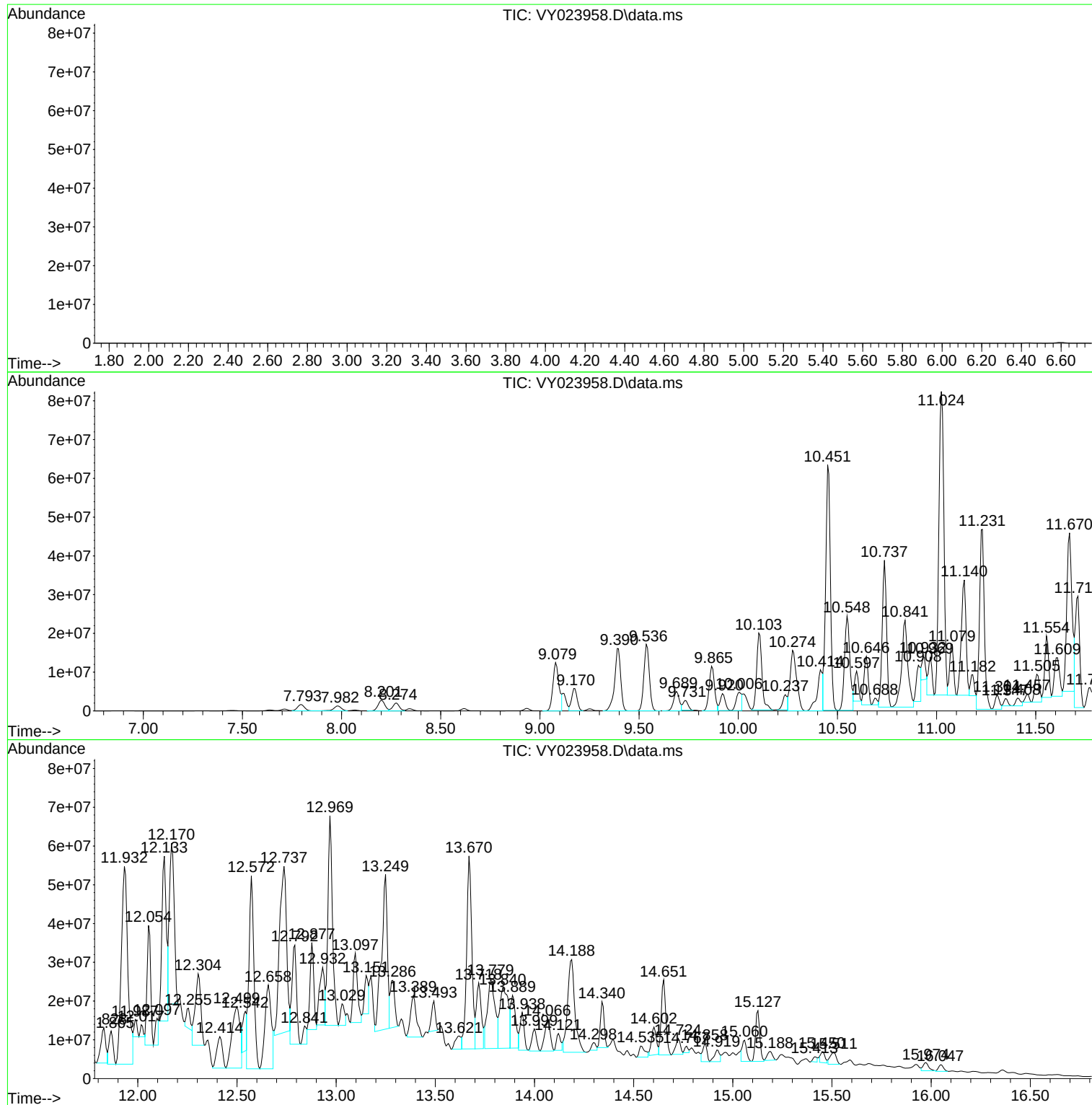
Sum of corrected areas: 2641170846

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121125\  
Data File : VY023958.D  
Acq On : 11 Dec 2025 16:28  
Operator : SY/MD  
Sample : Q3834-29  
Misc : 11.93g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B127(5.5-8)120925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121025S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121125\  
Data File : VY023958.D  
Acq On : 11 Dec 2025 16:28  
Operator : SY/MD  
Sample : Q3834-29  
Misc : 11.93g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B127(5.5-8)120925

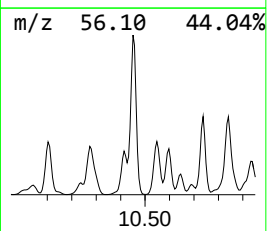
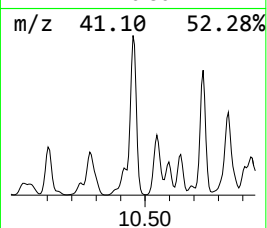
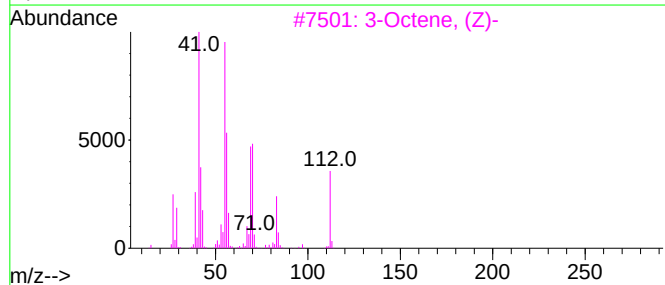
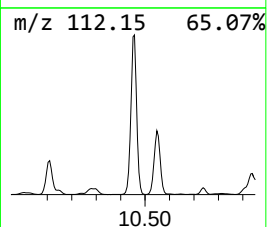
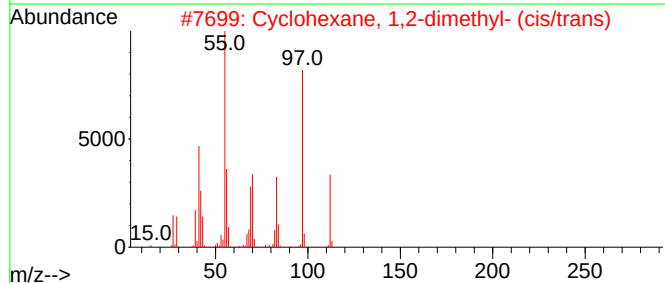
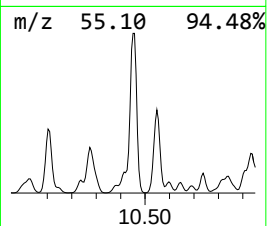
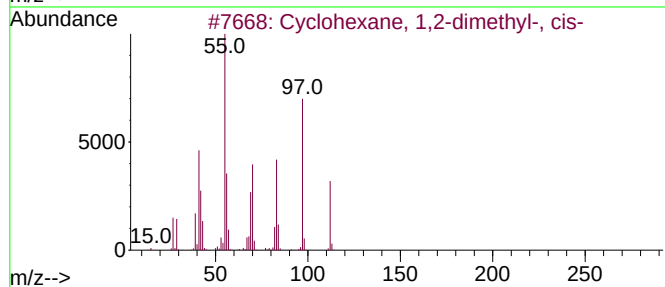
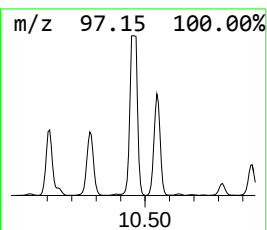
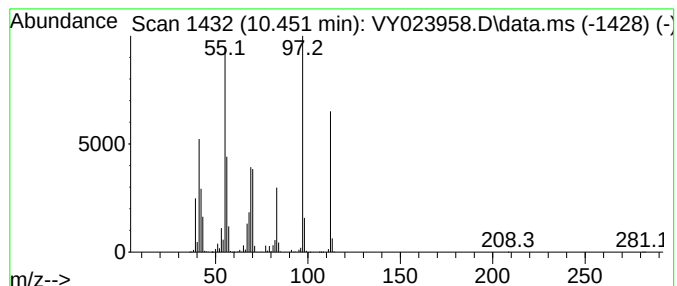
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121025S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*

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

| R.T.      | EstConc                             | Area      | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|-----------|------------------|-------------|------|
| 10.451    | 1465.24 ug/l                        | 104498000 | Chlorobenzene-d5 | 11.420      |      |
| Hit# of 5 | Tentative ID                        | MW        | MolForm          | CAS#        | Qual |
| 1         | Cyclohexane, 1,2-dimethyl-, cis-    | 112       | C8H16            | 002207-01-4 | 87   |
| 2         | Cyclohexane, 1,2-dimethyl- (cis/... | 112       | C8H16            | 000583-57-3 | 86   |
| 3         | 3-Octene, (Z)-                      | 112       | C8H16            | 014850-22-7 | 53   |
| 4         | 1,2-Cyclohexanedione                | 112       | C6H8O2           | 000765-87-7 | 53   |
| 5         | 4-Octene, (Z)-                      | 112       | C8H16            | 007642-15-1 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121125\  
Data File : VY023958.D  
Acq On : 11 Dec 2025 16:28  
Operator : SY/MD  
Sample : Q3834-29  
Misc : 11.93g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B127(5.5-8)120925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121025S.M  
Quant Title : SW846 8260

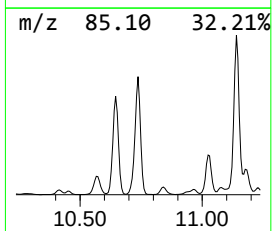
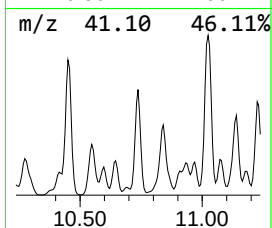
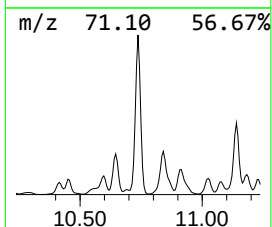
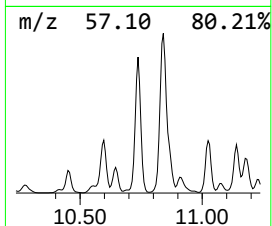
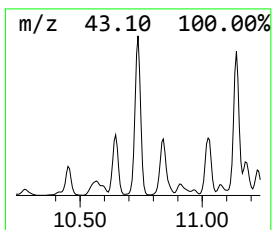
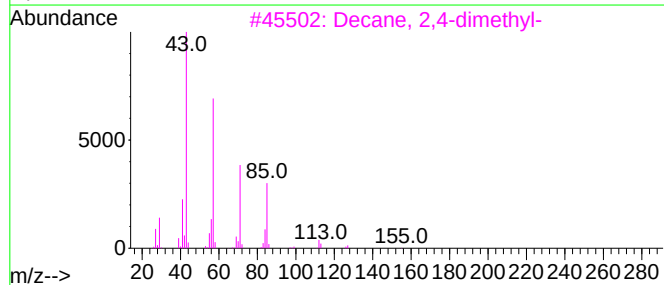
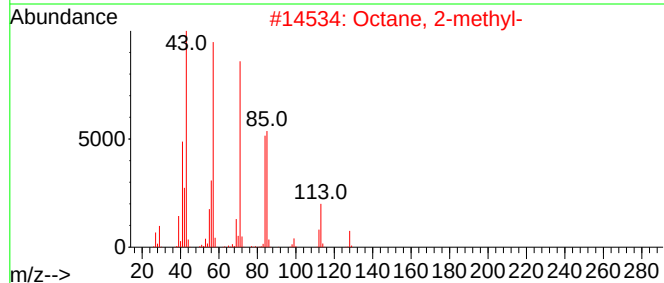
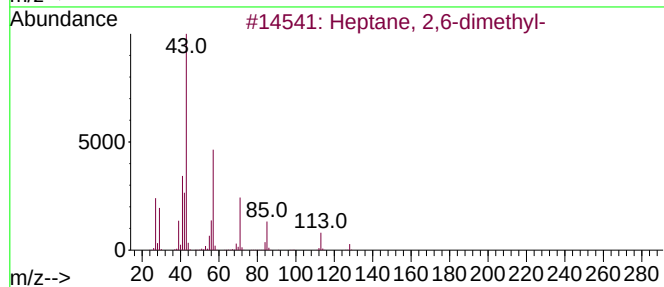
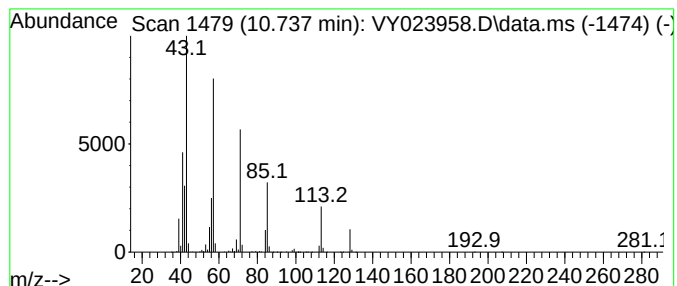
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 2 Heptane, 2,6-dimethyl- Concentration Rank 8

| R.T.   | EstConc     | Area     | Relative to ISTD | R.T.   |
|--------|-------------|----------|------------------|--------|
| 10.737 | 797.04 ug/l | 56843400 | Chlorobenzene-d5 | 11.420 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptane, 2,6-dimethyl- | 128 | C9H20   | 001072-05-5 | 94   |
| 2    |    |   | Octane, 2-methyl-      | 128 | C9H20   | 003221-61-2 | 91   |
| 3    |    |   | Decane, 2,4-dimethyl-  | 170 | C12H26  | 002801-84-5 | 58   |
| 4    |    |   | Nonane                 | 128 | C9H20   | 000111-84-2 | 58   |
| 5    |    |   | Nonane, 3,7-dimethyl-  | 156 | C11H24  | 017302-32-8 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121125\  
Data File : VY023958.D  
Acq On : 11 Dec 2025 16:28  
Operator : SY/MD  
Sample : Q3834-29  
Misc : 11.93g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B127(5.5-8)120925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121025S.M  
Quant Title : SW846 8260

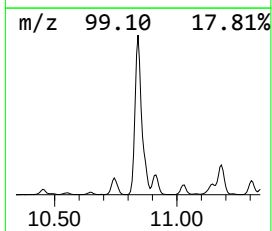
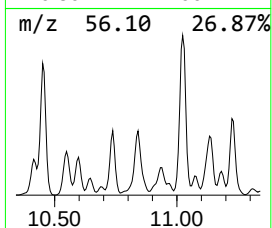
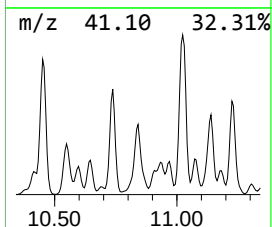
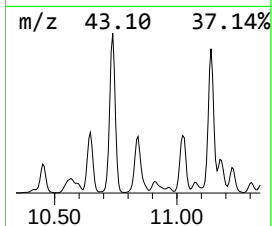
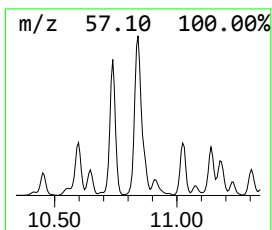
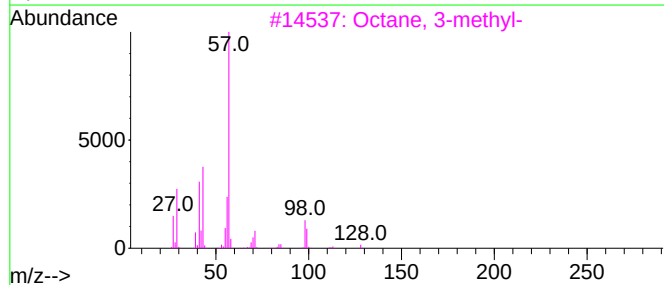
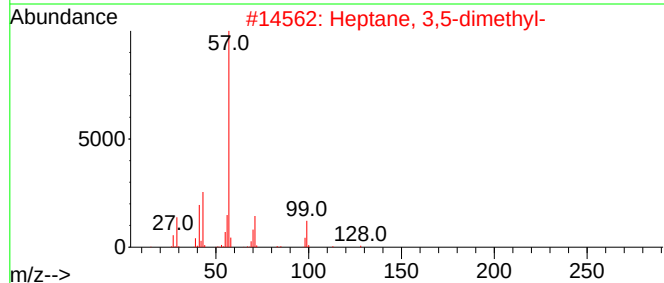
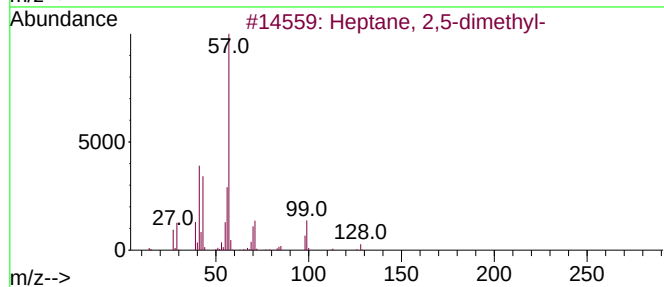
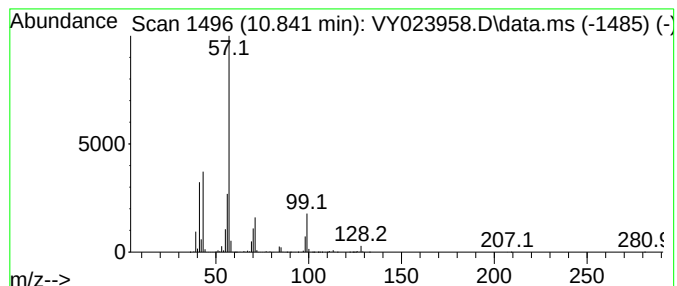
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 3 Heptane, 2,5-dimethyl- Concentration Rank 9

| R.T.   | EstConc     | Area     | Relative to ISTD | R.T.   |
|--------|-------------|----------|------------------|--------|
| 10.841 | 695.34 ug/l | 49589800 | Chlorobenzene-d5 | 11.420 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptane, 2,5-dimethyl-    | 128 | C9H20   | 002216-30-0 | 91   |
| 2    |    |   | Heptane, 3,5-dimethyl-    | 128 | C9H20   | 000926-82-9 | 81   |
| 3    |    |   | Octane, 3-methyl-         | 128 | C9H20   | 002216-33-3 | 80   |
| 4    |    |   | Decane, 2,6,6-trimethyl-  | 184 | C13H28  | 062108-24-1 | 59   |
| 5    |    |   | Heptane, 2,3,5-trimethyl- | 142 | C10H22  | 020278-85-7 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121125\  
Data File : VY023958.D  
Acq On : 11 Dec 2025 16:28  
Operator : SY/MD  
Sample : Q3834-29  
Misc : 11.93g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B127(5.5-8)120925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121025S.M  
Quant Title : SW846 8260

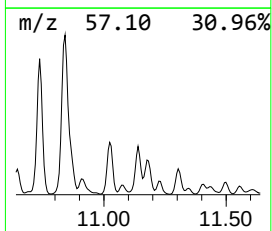
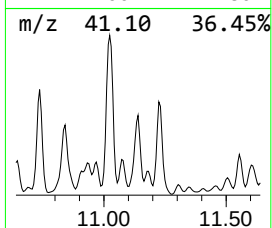
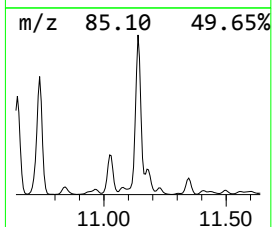
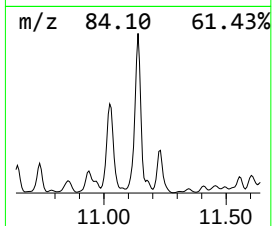
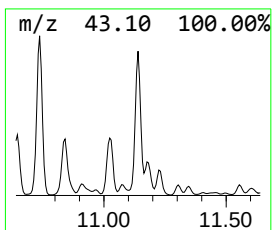
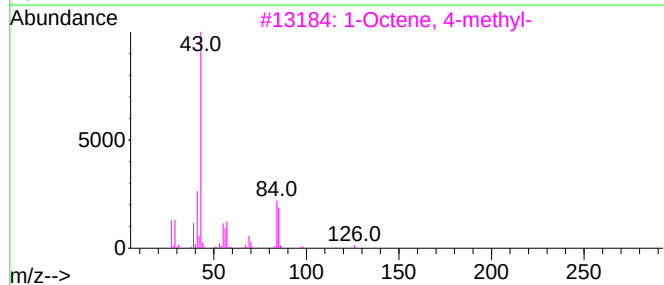
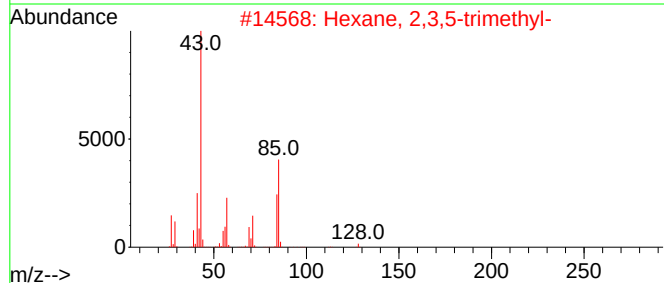
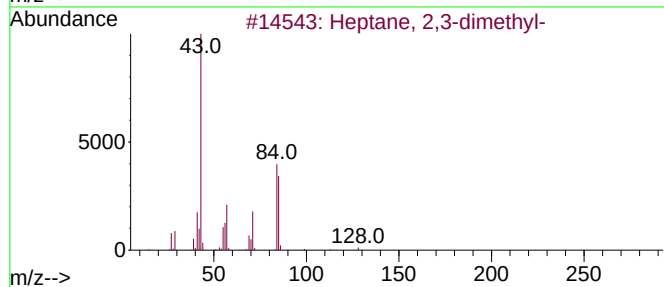
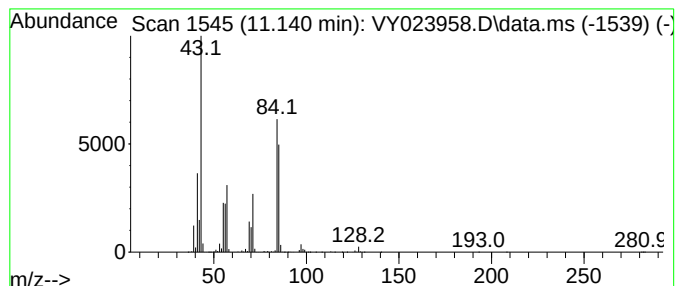
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 5 Heptane, 2,3-dimethyl- Concentration Rank 10

| R.T.   | EstConc     | Area     | Relative to ISTD | R.T.   |
|--------|-------------|----------|------------------|--------|
| 11.140 | 690.92 ug/l | 49274900 | Chlorobenzene-d5 | 11.420 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptane, 2,3-dimethyl-    | 128 | C9H20   | 003074-71-3 | 87   |
| 2    |    |   | Hexane, 2,3,5-trimethyl-  | 128 | C9H20   | 001069-53-0 | 58   |
| 3    |    |   | 1-Octene, 4-methyl-       | 126 | C9H18   | 013151-12-7 | 53   |
| 4    |    |   | Hexane, 3-ethyl-          | 114 | C8H18   | 000619-99-8 | 50   |
| 5    |    |   | Hexane, 3-ethyl-2-methyl- | 128 | C9H20   | 016789-46-1 | 50   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121125\  
Data File : VY023958.D  
Acq On : 11 Dec 2025 16:28  
Operator : SY/MD  
Sample : Q3834-29  
Misc : 11.93g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B127(5.5-8)120925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121025S.M  
Quant Title : SW846 8260

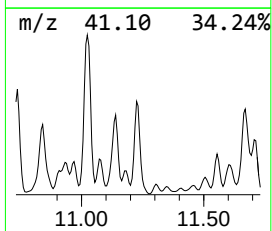
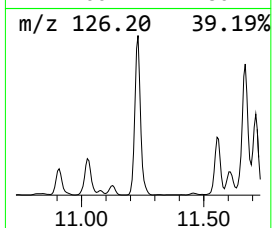
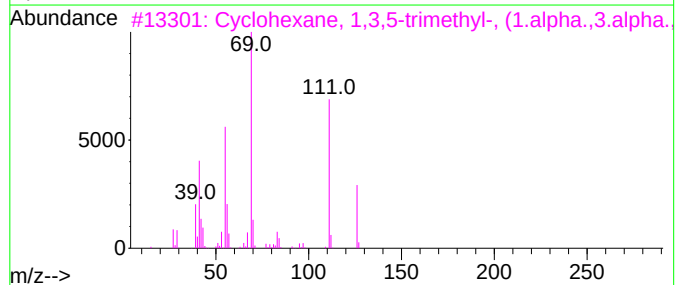
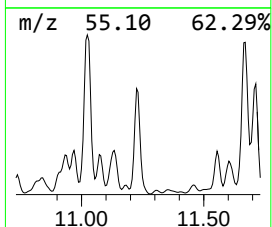
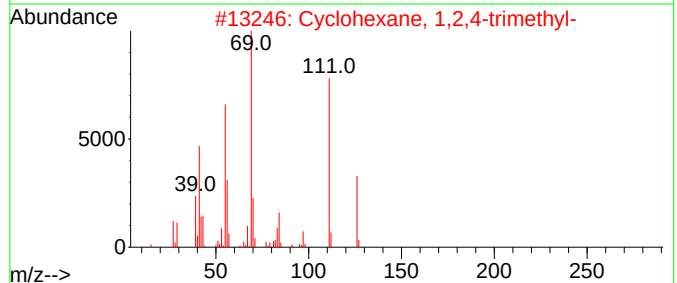
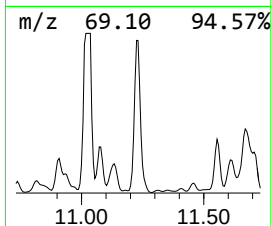
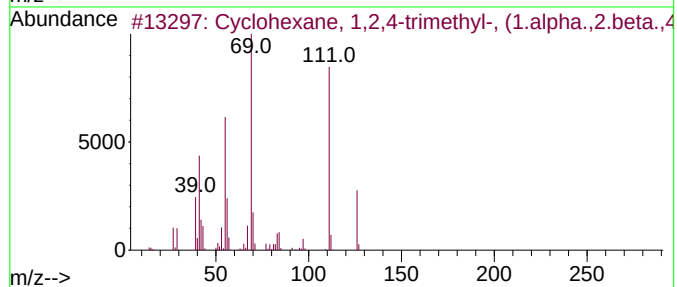
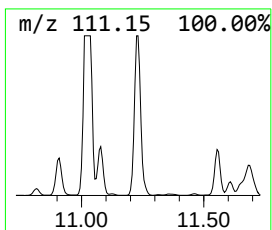
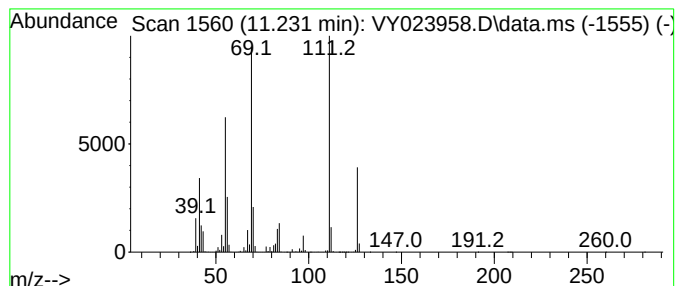
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 6 Cyclohexane, 1,2,4-trimethyl... Concentration Rank 4

| R.T.   | EstConc      | Area     | Relative to ISTD | R.T.   |
|--------|--------------|----------|------------------|--------|
| 11.231 | 1088.63 ug/l | 77638800 | Chlorobenzene-d5 | 11.420 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1,2,4-trimethyl-, (... | 126 | C9H18   | 007667-60-9 | 97   |
| 2    |    |   | Cyclohexane, 1,2,4-trimethyl-       | 126 | C9H18   | 002234-75-5 | 94   |
| 3    |    |   | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18   | 001795-26-2 | 87   |
| 4    |    |   | Cyclohexane, 1,1,2-trimethyl-       | 126 | C9H18   | 007094-26-0 | 83   |
| 5    |    |   | 2-Pyrazoline, 1-isopropyl-5-methyl- | 126 | C7H14N2 | 026964-54-5 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121125\  
Data File : VY023958.D  
Acq On : 11 Dec 2025 16:28  
Operator : SY/MD  
Sample : Q3834-29  
Misc : 11.93g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B127(5.5-8)120925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121025S.M  
Quant Title : SW846 8260

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

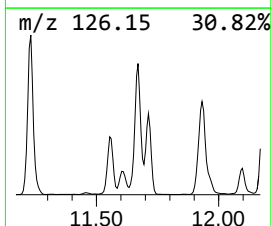
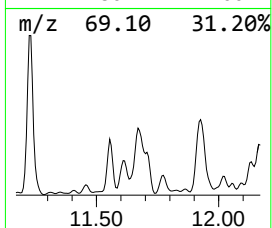
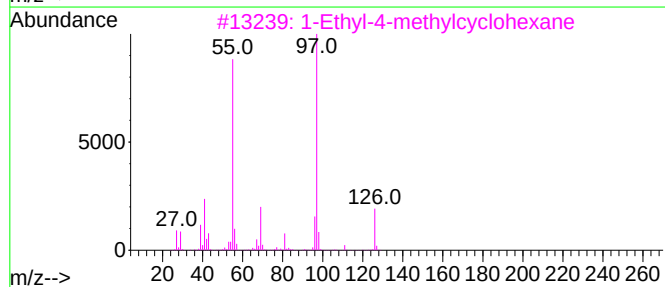
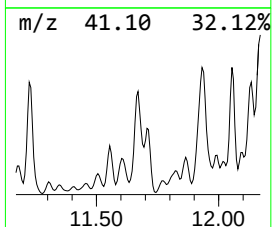
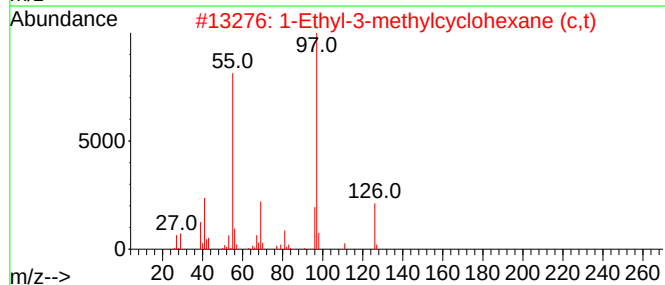
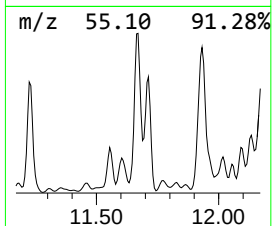
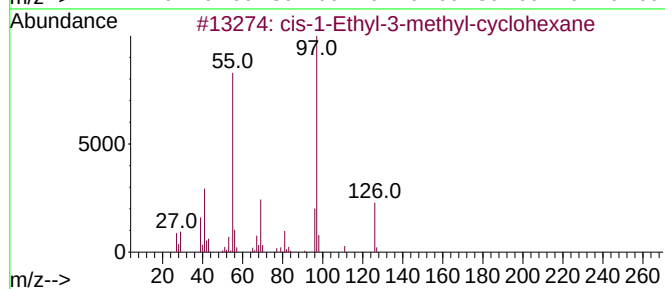
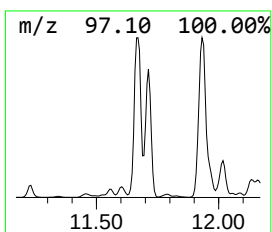
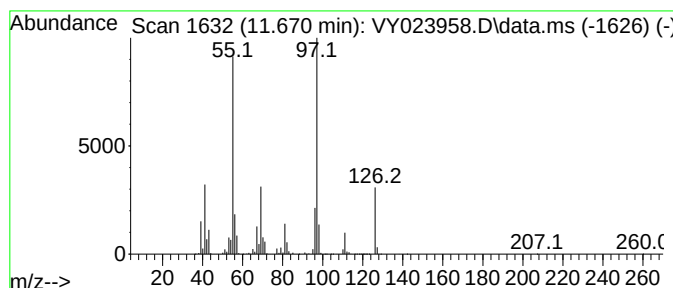
\*\*\*\*\*

Peak Number 7 cis-1-Ethyl-3-methyl-cyclohexane Concentration Rank 5

| R.T.   | EstConc      | Area     | Relative to ISTD | R.T.   |
|--------|--------------|----------|------------------|--------|
| 11.670 | 1069.67 ug/l | 76286000 | Chlorobenzene-d5 | 11.420 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | cis-1-Ethyl-3-methyl-cyclohexane    | 126 | C9H18   | 019489-10-2 | 91   |
| 2    |      | 1-Ethyl-3-methylcyclohexane (c,t)   | 126 | C9H18   | 003728-55-0 | 91   |
| 3    |      | 1-Ethyl-4-methylcyclohexane         | 126 | C9H18   | 003728-56-1 | 87   |
| 4    |      | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 006236-88-0 | 83   |
| 5    |      | Cyclohexane, 1-ethyl-2-methyl-      | 126 | C9H18   | 003728-54-9 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121125\  
Data File : VY023958.D  
Acq On : 11 Dec 2025 16:28  
Operator : SY/MD  
Sample : Q3834-29  
Misc : 11.93g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B127(5.5-8)120925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121025S.M  
Quant Title : SW846 8260

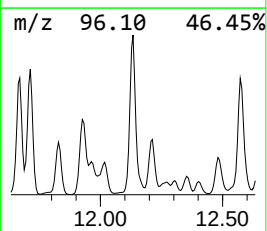
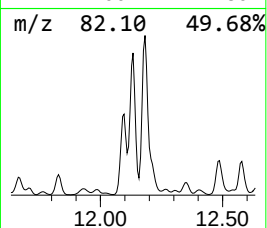
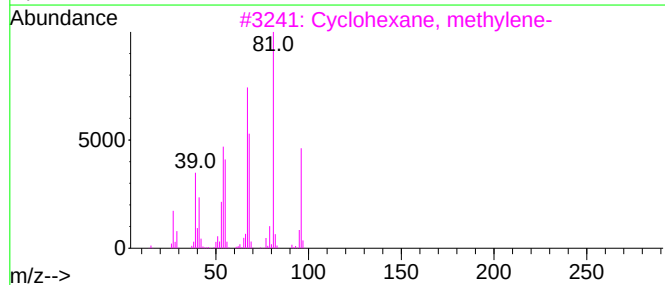
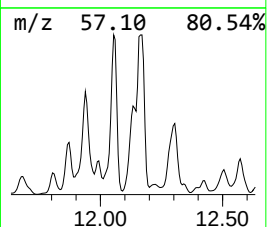
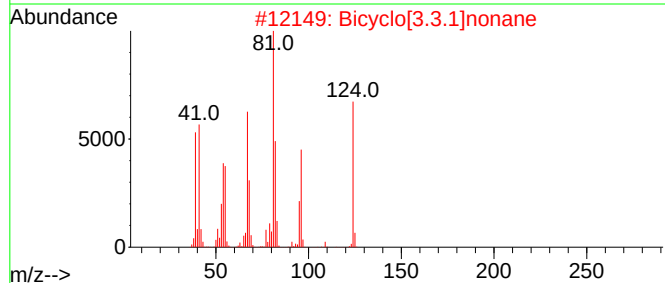
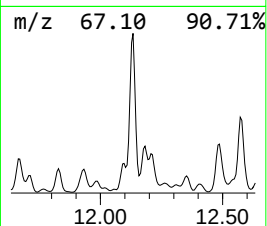
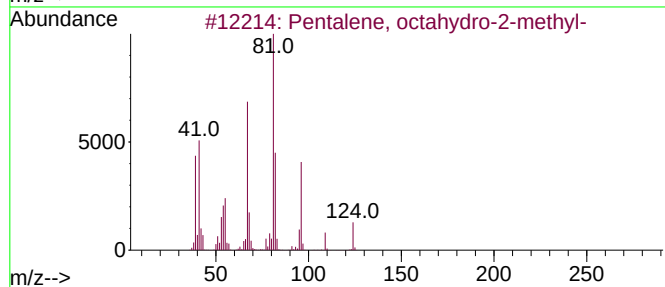
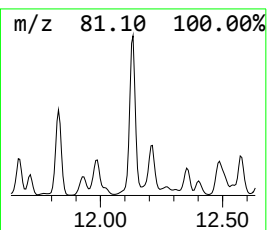
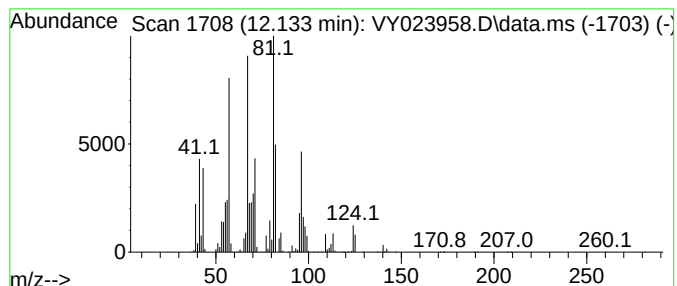
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 9 Pentalene, octahydro-2-methyl- Concentration Rank 6

| R.T.   | EstConc     | Area     | Relative to ISTD | R.T.   |
|--------|-------------|----------|------------------|--------|
| 12.133 | 973.27 ug/l | 69411100 | Chlorobenzene-d5 | 11.420 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentalene, octahydro-2-methyl- | 124 | C9H16   | 003868-64-2 | 89   |
| 2    |    |   | Bicyclo[3.3.1]nonane           | 124 | C9H16   | 000280-65-9 | 58   |
| 3    |    |   | Cyclohexane, methylene-        | 96  | C7H12   | 001192-37-6 | 52   |
| 4    |    |   | 1H-Indene, octahydro-, trans-  | 124 | C9H16   | 003296-50-2 | 49   |
| 5    |    |   | Cyclohexene,3-propyl-          | 124 | C9H16   | 003983-06-0 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121125\  
Data File : VY023958.D  
Acq On : 11 Dec 2025 16:28  
Operator : SY/MD  
Sample : Q3834-29  
Misc : 11.93g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B127(5.5-8)120925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121025S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response  | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|-----------|-----------------------|--------|---------|------|
|                    |        |         |       |           | #                     | RT     | Resp    | Conc |
| Cyclohexane, 1,... | 10.451 | 1465.2  | ug/l  | 104498000 | 3                     | 11.420 | 3565880 | 50.0 |
| Heptane, 2,6-di... | 10.737 | 797.0   | ug/l  | 56843400  | 3                     | 11.420 | 3565880 | 50.0 |
| Heptane, 2,5-di... | 10.841 | 695.3   | ug/l  | 49589800  | 3                     | 11.420 | 3565880 | 50.0 |
| Heptane, 2,3-di... | 11.140 | 690.9   | ug/l  | 49274900  | 3                     | 11.420 | 3565880 | 50.0 |
| Cyclohexane, 1,... | 11.231 | 1088.6  | ug/l  | 77638800  | 3                     | 11.420 | 3565880 | 50.0 |
| cis-1-Ethyl-3-m... | 11.670 | 1069.7  | ug/l  | 76286000  | 3                     | 11.420 | 3565880 | 50.0 |
| Pentalene, octa... | 12.133 | 973.3   | ug/l  | 69411100  | 3                     | 11.420 | 3565880 | 50.0 |