

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060325\  
 Data File : VY022515.D  
 Acq On : 03 Jun 2025 12:17  
 Operator : SY/MD  
 Sample : Q2155-01  
 Misc : 4.41g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 446

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\82Y060225S.M  
 Title : SW846 8260

Signal : TIC: VY022515.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         | 2.172       | 68            | 74          | 85           | rBV      | 261211         | 433103        | 26.81%          | 3.076%        |
| 2         | 2.342       | 95            | 102         | 117          | rBV      | 463045         | 881061        | 54.54%          | 6.258%        |
| 3         | 2.501       | 122           | 128         | 132          | rBV7     | 8373           | 18467         | 1.14%           | 0.131%        |
| 4         | 2.842       | 179           | 184         | 189          | rVB5     | 10296          | 21703         | 1.34%           | 0.154%        |
| 5         | 3.744       | 324           | 332         | 343          | rVV2     | 71775          | 193327        | 11.97%          | 1.373%        |
| 6         | 3.873       | 345           | 353         | 369          | rVB      | 134918         | 380879        | 23.58%          | 2.705%        |
| 7         | 4.616       | 466           | 475         | 484          | rBV4     | 7593           | 26780         | 1.66%           | 0.190%        |
| 8         | 4.866       | 502           | 516         | 531          | rBV2     | 32052          | 131504        | 8.14%           | 0.934%        |
| 9         | 5.482       | 605           | 617         | 629          | rBV2     | 40334          | 133927        | 8.29%           | 0.951%        |
| 10        | 5.640       | 634           | 643         | 654          | rVV6     | 8226           | 26897         | 1.66%           | 0.191%        |
| 11        | 5.805       | 658           | 670         | 684          | rBV4     | 24044          | 75901         | 4.70%           | 0.539%        |
| 12        | 6.604       | 788           | 801         | 813          | rBV3     | 170142         | 547915        | 33.92%          | 3.892%        |
| 13        | 6.896       | 841           | 849         | 858          | rBV      | 38734          | 110233        | 6.82%           | 0.783%        |
| 14        | 7.634       | 960           | 970         | 976          | rBV      | 211490         | 511947        | 31.69%          | 3.636%        |
| 15        | 7.707       | 976           | 982         | 994          | rVB      | 364993         | 834591        | 51.66%          | 5.928%        |
| 16        | 8.061       | 1028          | 1040        | 1055         | rBV      | 208349         | 493504        | 30.55%          | 3.505%        |
| 17        | 8.317       | 1074          | 1082        | 1094         | rVB2     | 103198         | 234442        | 14.51%          | 1.665%        |
| 18        | 8.481       | 1101          | 1109        | 1116         | rBV2     | 40416          | 91099         | 5.64%           | 0.647%        |
| 19        | 8.616       | 1122          | 1131        | 1142         | rVB      | 606127         | 1170215       | 72.43%          | 8.312%        |
| 20        | 9.067       | 1199          | 1205        | 1211         | rBV      | 38857          | 71382         | 4.42%           | 0.507%        |
| 21        | 9.189       | 1217          | 1225        | 1238         | rBV      | 170324         | 319571        | 19.78%          | 2.270%        |
| 22        | 9.445       | 1260          | 1267        | 1279         | rVB      | 74784          | 154664        | 9.57%           | 1.099%        |
| 23        | 9.999       | 1351          | 1358        | 1363         | rBV      | 13214          | 24366         | 1.51%           | 0.173%        |
| 24        | 10.109      | 1367          | 1376        | 1383         | rBV      | 933764         | 1615544       | 100.00%         | 11.476%       |
| 25        | 10.170      | 1383          | 1386        | 1391         | rVB      | 23869          | 36864         | 2.28%           | 0.262%        |
| 26        | 10.280      | 1398          | 1404        | 1415         | rVB4     | 21957          | 50476         | 3.12%           | 0.359%        |
| 27        | 10.420      | 1415          | 1427        | 1436         | rBV2     | 119036         | 275045        | 17.02%          | 1.954%        |
| 28        | 10.646      | 1453          | 1464        | 1475         | rVB      | 22575          | 54631         | 3.38%           | 0.388%        |
| 29        | 10.762      | 1475          | 1483        | 1493         | rBV2     | 18316          | 38220         | 2.37%           | 0.271%        |
| 30        | 10.865      | 1493          | 1500        | 1509         | rBV      | 145681         | 242330        | 15.00%          | 1.721%        |
| 31        | 11.414      | 1584          | 1590        | 1602         | rVB      | 741470         | 1198950       | 74.21%          | 8.516%        |
| 32        | 11.524      | 1602          | 1608        | 1613         | rBV5     | 9914           | 21541         | 1.33%           | 0.153%        |
| 33        | 11.639      | 1621          | 1627        | 1629         | rBV4     | 25191          | 52912         | 3.28%           | 0.376%        |
| 34        | 11.664      | 1629          | 1631        | 1636         | rVB2     | 31835          | 44081         | 2.73%           | 0.313%        |
| 35        | 11.737      | 1636          | 1643        | 1650         | rVB4     | 25547          | 44418         | 2.75%           | 0.316%        |
| 36        | 11.889      | 1664          | 1668        | 1673         | rBV2     | 22576          | 32267         | 2.00%           | 0.229%        |

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 Sample : Q2155-01  
 Misc : 4.41g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 446

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\82Y060225S.M  
 Title : SW846 8260

|    |        |      |      |      |       |        |        |        |        |
|----|--------|------|------|------|-------|--------|--------|--------|--------|
| 37 | 11.956 | 1674 | 1679 | 1686 | rVB3  | 11305  | 22174  | 1.37%  | 0.158% |
| 38 | 12.030 | 1686 | 1691 | 1697 | rBV   | 12744  | 21312  | 1.32%  | 0.151% |
| 39 | 12.133 | 1702 | 1708 | 1713 | rBV2  | 58985  | 92689  | 5.74%  | 0.658% |
| 40 | 12.249 | 1720 | 1727 | 1735 | rBV3  | 17023  | 36583  | 2.26%  | 0.260% |
| 41 | 12.408 | 1746 | 1753 | 1762 | rBV   | 430830 | 671310 | 41.55% | 4.768% |
| 42 | 12.658 | 1788 | 1794 | 1796 | rBV4  | 9510   | 16868  | 1.04%  | 0.120% |
| 43 | 12.731 | 1801 | 1806 | 1812 | rVV   | 55085  | 97263  | 6.02%  | 0.691% |
| 44 | 12.883 | 1828 | 1831 | 1836 | rVB6  | 11815  | 19087  | 1.18%  | 0.136% |
| 45 | 12.968 | 1842 | 1845 | 1852 | rVB7  | 9355   | 20849  | 1.29%  | 0.148% |
| 46 | 13.042 | 1852 | 1857 | 1864 | rBV3  | 25563  | 55071  | 3.41%  | 0.391% |
| 47 | 13.200 | 1874 | 1883 | 1887 | rBV6  | 23069  | 56737  | 3.51%  | 0.403% |
| 48 | 13.261 | 1887 | 1893 | 1901 | rVV2  | 127548 | 244160 | 15.11% | 1.734% |
| 49 | 13.346 | 1901 | 1907 | 1915 | rVB   | 324747 | 505386 | 31.28% | 3.590% |
| 50 | 13.548 | 1935 | 1940 | 1944 | rBV7  | 9453   | 16816  | 1.04%  | 0.119% |
| 51 | 13.670 | 1955 | 1960 | 1964 | rBV5  | 37179  | 69666  | 4.31%  | 0.495% |
| 52 | 13.706 | 1964 | 1966 | 1971 | rVB5  | 12383  | 17865  | 1.11%  | 0.127% |
| 53 | 13.883 | 1992 | 1995 | 2001 | rVB6  | 14463  | 24346  | 1.51%  | 0.173% |
| 54 | 13.999 | 2009 | 2014 | 2018 | rBV6  | 18776  | 36276  | 2.25%  | 0.258% |
| 55 | 14.054 | 2018 | 2023 | 2030 | rBV10 | 12530  | 28865  | 1.79%  | 0.205% |
| 56 | 14.121 | 2030 | 2034 | 2038 | rVB7  | 15168  | 26185  | 1.62%  | 0.186% |
| 57 | 14.176 | 2038 | 2043 | 2045 | rBV4  | 38524  | 59939  | 3.71%  | 0.426% |
| 58 | 14.304 | 2059 | 2064 | 2067 | rBV3  | 22726  | 42524  | 2.63%  | 0.302% |
| 59 | 14.340 | 2067 | 2070 | 2073 | rVV4  | 33126  | 44049  | 2.73%  | 0.313% |
| 60 | 14.395 | 2074 | 2079 | 2083 | rVB8  | 23134  | 42885  | 2.65%  | 0.305% |
| 61 | 14.535 | 2097 | 2102 | 2106 | rVB4  | 32148  | 45709  | 2.83%  | 0.325% |
| 62 | 14.602 | 2106 | 2113 | 2117 | rBV5  | 44253  | 98095  | 6.07%  | 0.697% |
| 63 | 14.651 | 2117 | 2121 | 2126 | rVB4  | 55737  | 89529  | 5.54%  | 0.636% |
| 64 | 14.712 | 2127 | 2131 | 2133 | rBV5  | 11555  | 19289  | 1.19%  | 0.137% |
| 65 | 14.761 | 2133 | 2139 | 2142 | rBV3  | 49403  | 104646 | 6.48%  | 0.743% |
| 66 | 14.791 | 2142 | 2144 | 2149 | rVB4  | 38333  | 44551  | 2.76%  | 0.316% |
| 67 | 14.858 | 2151 | 2155 | 2158 | rVB3  | 50801  | 72432  | 4.48%  | 0.514% |
| 68 | 14.913 | 2162 | 2164 | 2167 | rBV3  | 16376  | 24381  | 1.51%  | 0.173% |
| 69 | 15.255 | 2216 | 2220 | 2221 | rBV4  | 40172  | 53566  | 3.32%  | 0.380% |
| 70 | 15.346 | 2231 | 2235 | 2240 | rBV6  | 53886  | 91833  | 5.68%  | 0.652% |
| 71 | 15.627 | 2277 | 2281 | 2288 | rBV7  | 67211  | 127746 | 7.91%  | 0.907% |
| 72 | 15.925 | 2327 | 2330 | 2337 | rVB5  | 86699  | 156836 | 9.71%  | 1.114% |
| 73 | 16.114 | 2357 | 2361 | 2366 | rBV3  | 59443  | 123537 | 7.65%  | 0.878% |
| 74 | 16.358 | 2397 | 2401 | 2406 | rBV6  | 75666  | 162335 | 10.05% | 1.153% |

Sum of corrected areas: 14078147

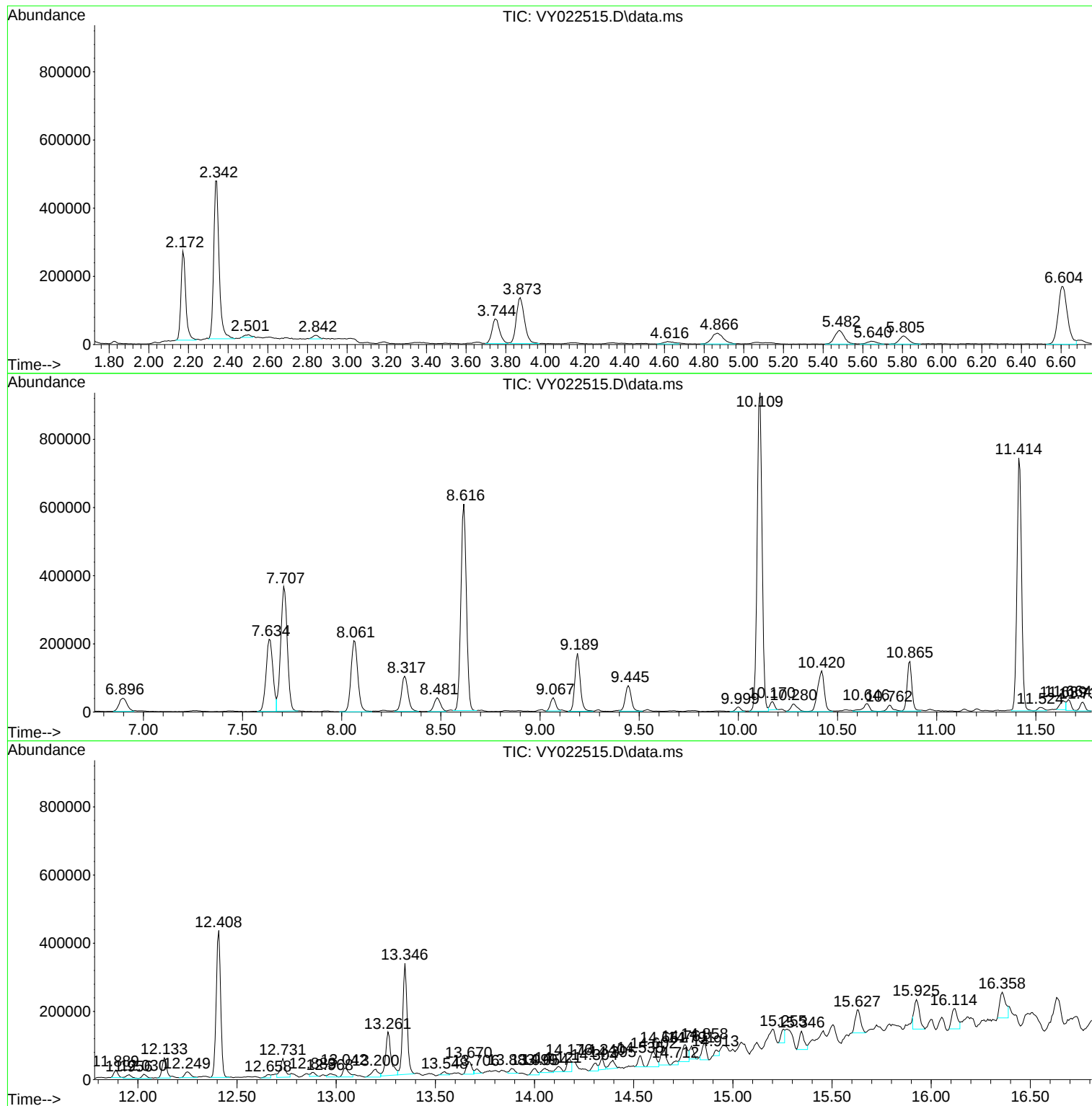
Instrument :  
MSVOA\_Y  
ClientSampleId :  
446

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060325\  
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Sample : Q2155-01  
Misc : 4.41g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
446

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060325\  
Data File : VY022515.D  
Acq On : 03 Jun 2025 12:17  
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Instrument :  
MSVOA\_Y  
ClientSampleId :  
446

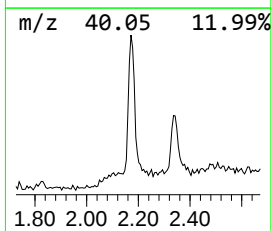
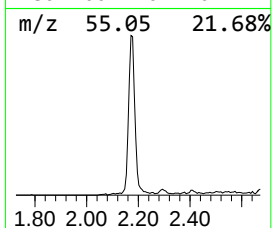
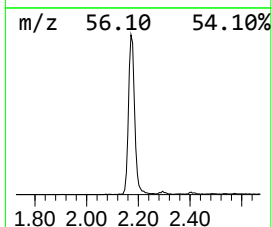
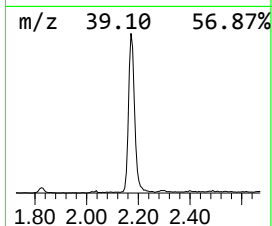
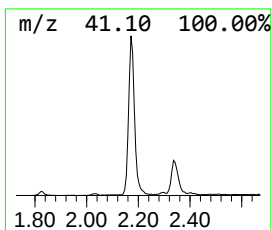
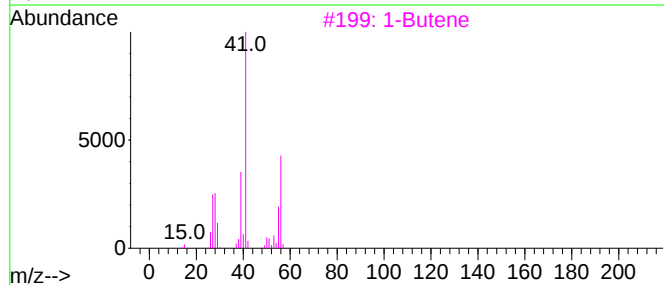
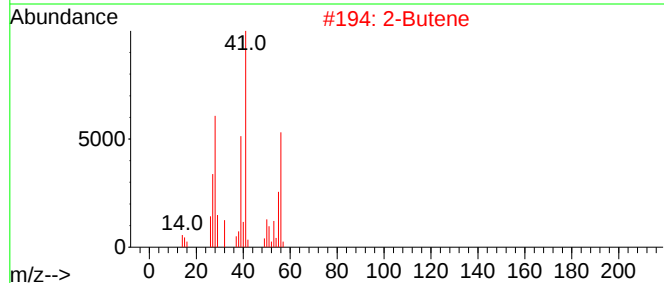
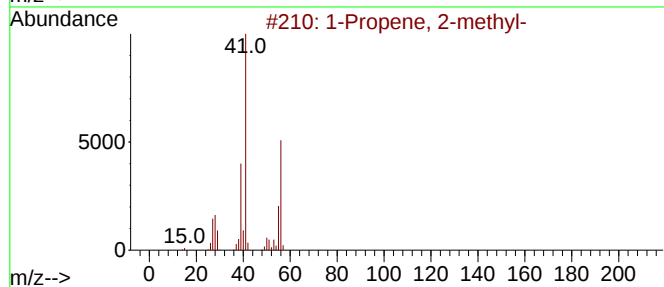
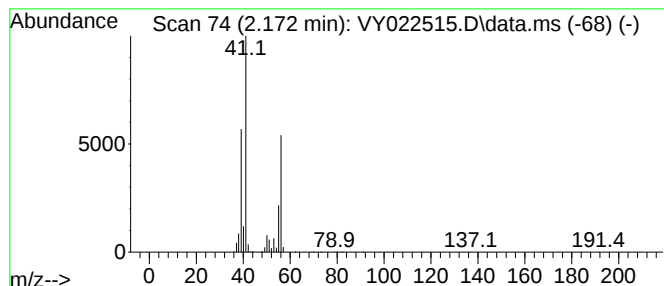
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
Quant Title : SW846 8260

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

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Peak Number 1 1-Propene, 2-methyl- Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 2.172 | 25.95 ug/l | 433103 | Pentafluorobenzene | 7.707 |

| Hit# | of 5 | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|------|----------------------|----|---------|-------------|------|
| 1    |      | 1-Propene, 2-methyl- | 56 | C4H8    | 000115-11-7 | 90   |
| 2    |      | 2-Butene             | 56 | C4H8    | 000107-01-7 | 80   |
| 3    |      | 1-Butene             | 56 | C4H8    | 000106-98-9 | 49   |
| 4    |      | 2-Butene, (Z)-       | 56 | C4H8    | 000590-18-1 | 49   |
| 5    |      | Cyclobutane          | 56 | C4H8    | 000287-23-0 | 49   |



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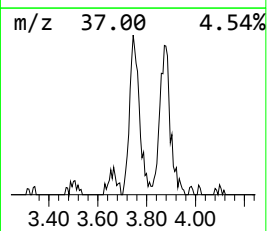
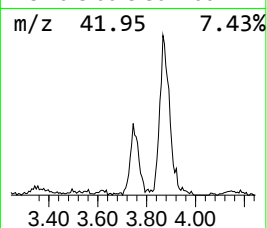
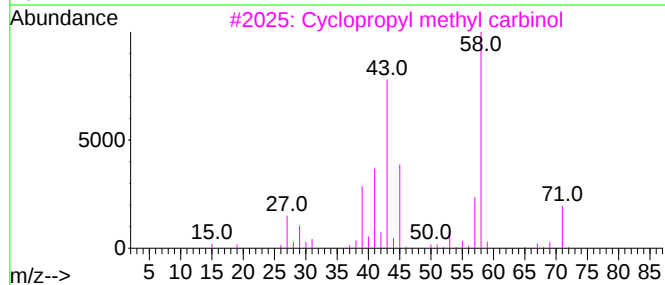
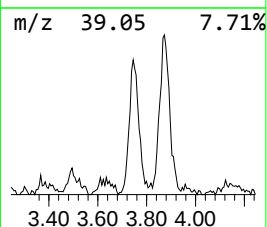
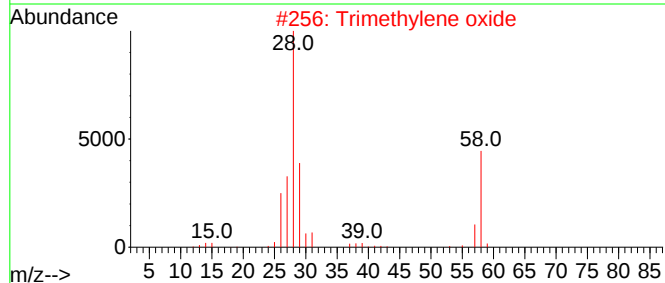
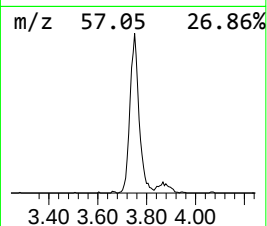
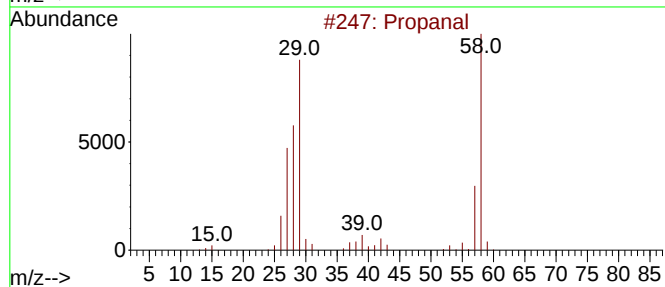
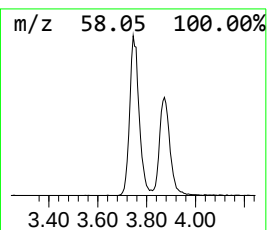
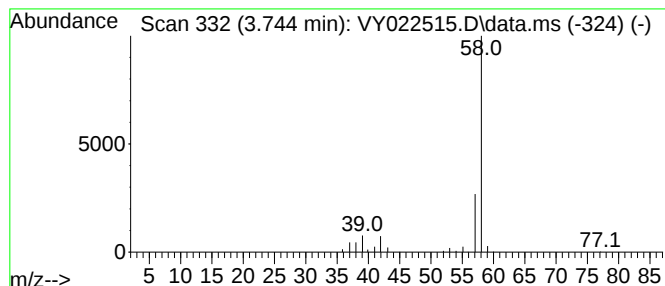
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Propanal Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 3.744 | 11.58 ug/l | 193327 | Pentafluorobenzene | 7.707 |

| Hit# | of | 5 | Tentative ID                | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|----|---------|-------------|------|
| 1    |    |   | Propanal                    | 58 | C3H6O   | 000123-38-6 | 78   |
| 2    |    |   | Trimethylene oxide          | 58 | C3H6O   | 000503-30-0 | 9    |
| 3    |    |   | Cyclopropyl methyl carbinol | 86 | C5H10O  | 000765-42-4 | 9    |
| 4    |    |   | Propylene oxide             | 58 | C3H6O   | 000075-56-9 | 7    |
| 5    |    |   | Oxirane, methyl-, (S)-      | 58 | C3H6O   | 016088-62-3 | 7    |



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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
Quant Title : SW846 8260

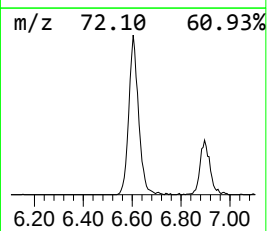
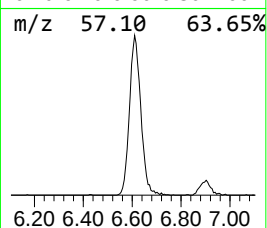
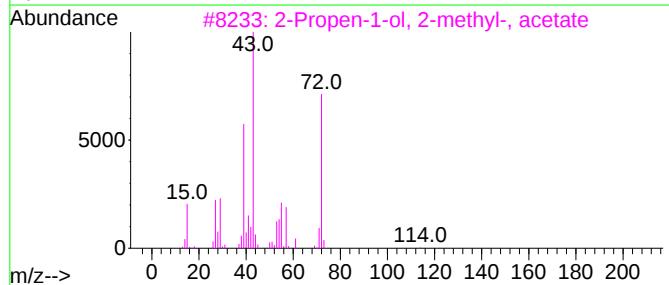
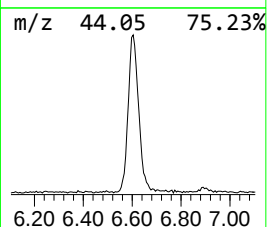
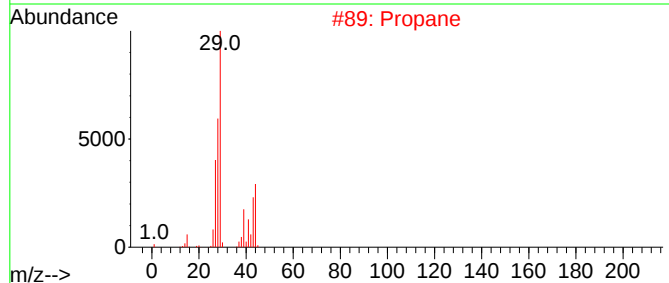
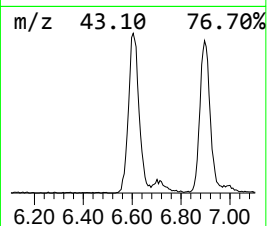
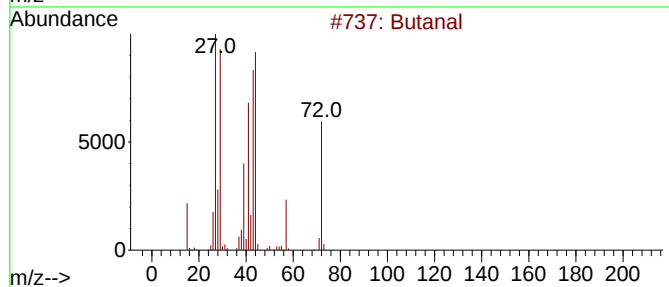
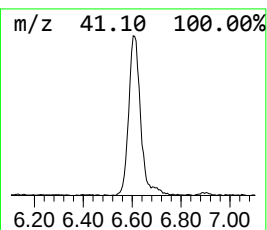
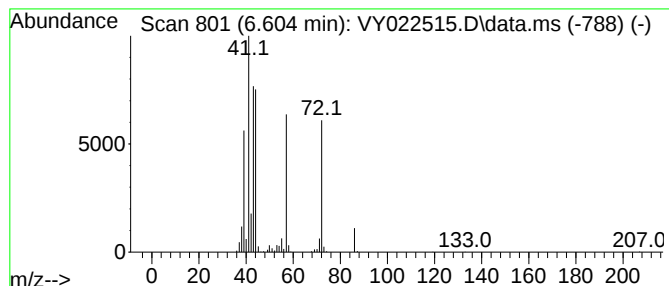
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Butanal Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 6.604 | 32.83 ug/l | 547915 | Pentafluorobenzene | 7.707 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|---------|--------------|------|
| 1    |    |   | Butanal                           | 72  | C4H8O   | 000123-72-8  | 64   |
| 2    |    |   | Propane                           | 44  | C3H8    | 000074-98-6  | 38   |
| 3    |    |   | 2-Propen-1-ol, 2-methyl-, acetate | 114 | C6H10O2 | 000820-71-3  | 23   |
| 4    |    |   | Cyclopropanecarboxamide           | 85  | C4H7NO  | 006228-73-5  | 20   |
| 5    |    |   | 2-Formylhistamine                 | 139 | C6H9N3O | 1000132-95-8 | 17   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060325\  
Data File : VY022515.D  
Acq On : 03 Jun 2025 12:17  
Operator : SY/MD  
Sample : Q2155-01  
Misc : 4.41g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
446

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
Quant Title : SW846 8260

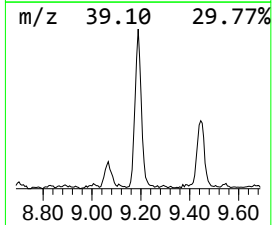
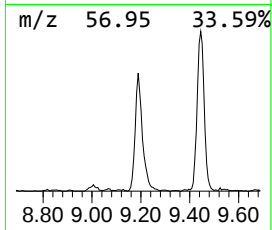
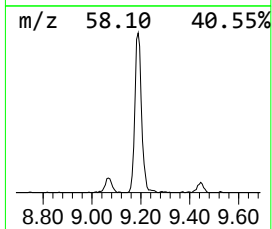
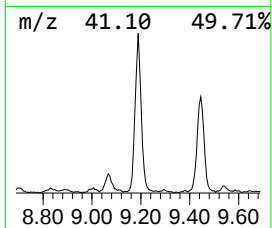
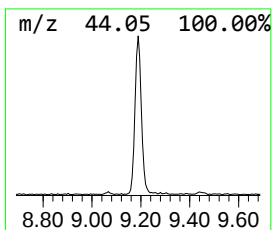
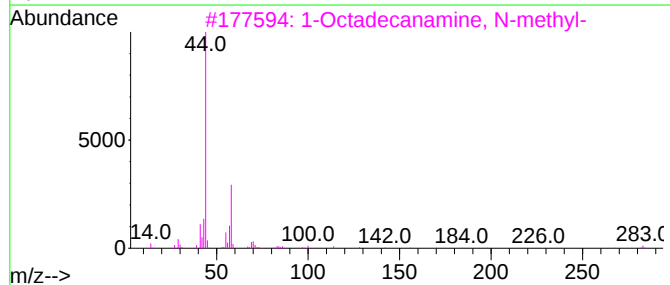
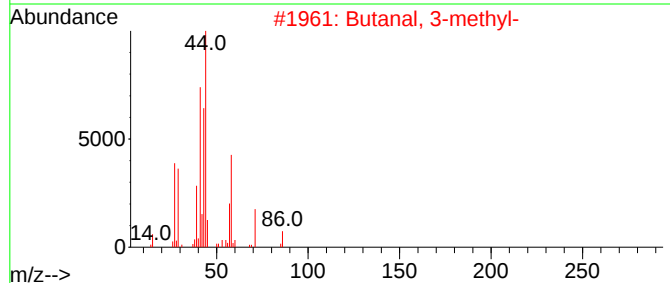
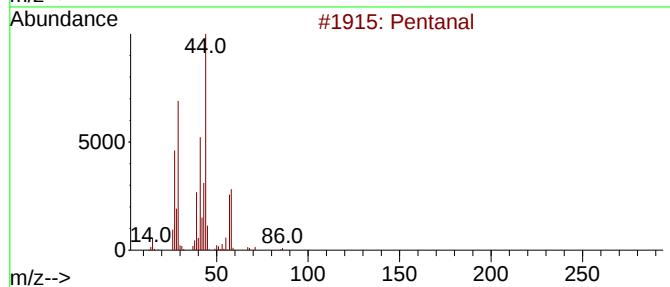
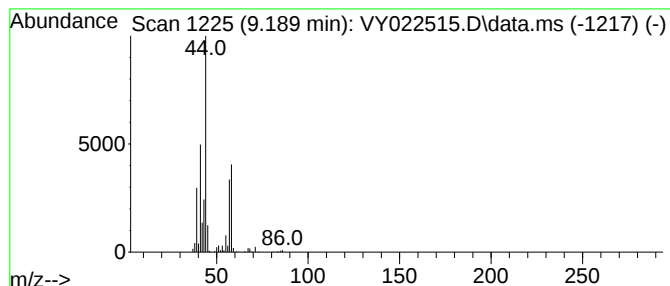
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Pentanal Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 9.189 | 13.65 ug/l | 319571 | 1,4-Difluorobenzene | 8.616 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentanal                    | 86  | C5H10O  | 000110-62-3 | 90   |
| 2    |    |   | Butanal, 3-methyl-          | 86  | C5H10O  | 000590-86-3 | 83   |
| 3    |    |   | 1-Octadecanamine, N-methyl- | 283 | C19H41N | 002439-55-6 | 40   |
| 4    |    |   | Cyclopropyl carbinol        | 72  | C4H8O   | 002516-33-8 | 28   |
| 5    |    |   | Butane, 2-nitro-            | 103 | C4H9NO2 | 000600-24-8 | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060325\  
Data File : VY022515.D  
Acq On : 03 Jun 2025 12:17  
Operator : SY/MD  
Sample : Q2155-01  
Misc : 4.41g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 6 Sample Multiplier: 1

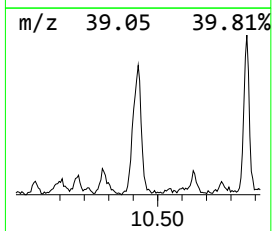
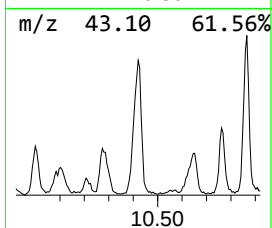
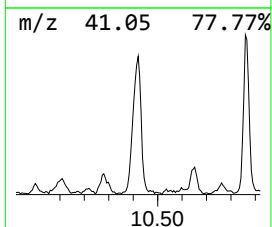
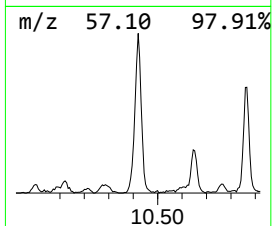
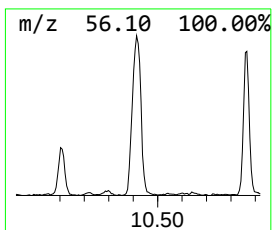
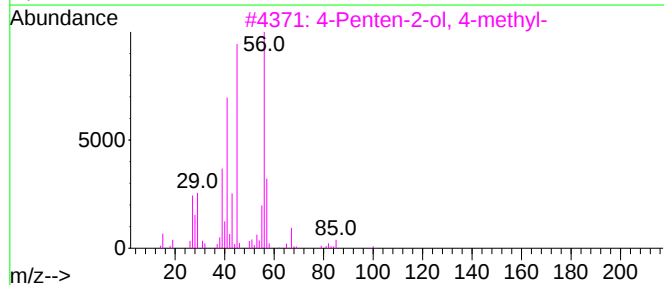
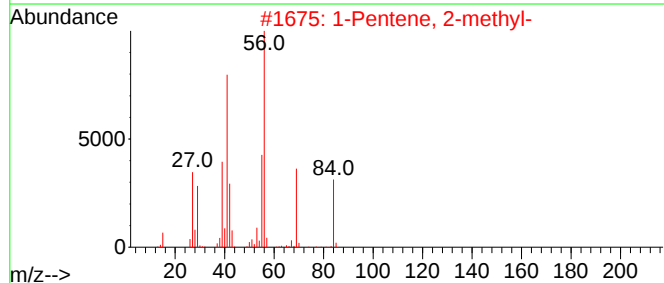
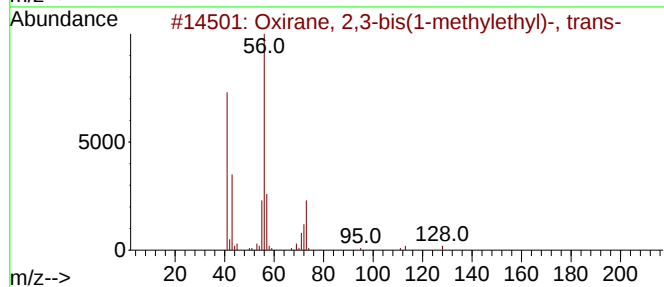
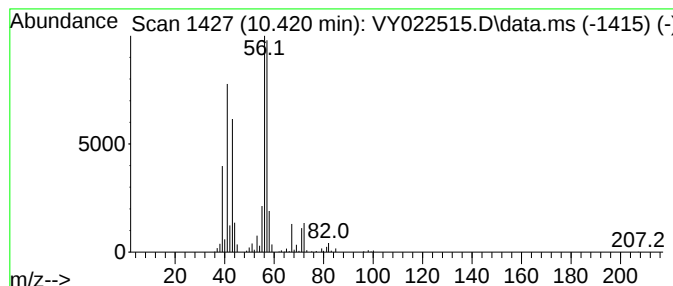
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
Quant Title : SW846 8260

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

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Peak Number 6 Oxirane, 2,3-bis(1-methylet... Concentration Rank 10

| R.T.      | EstConc                             | Area   | Relative to ISTD |         |             | R.T.   |
|-----------|-------------------------------------|--------|------------------|---------|-------------|--------|
| 10.420    | 11.47 ug/l                          | 275045 | Chlorobenzene-d5 |         |             | 11.414 |
| Hit# of 5 | Tentative ID                        |        | MW               | MolForm | CAS#        | Qual   |
| 1         | Oxirane, 2,3-bis(1-methylethyl)-... |        | 128              | C8H16O  | 054644-32-5 | 50     |
| 2         | 1-Pentene, 2-methyl-                |        | 84               | C6H12   | 000763-29-1 | 38     |
| 3         | 4-Penten-2-ol, 4-methyl-            |        | 100              | C6H12O  | 002004-67-3 | 38     |
| 4         | 1-Hexene, 4-methyl-                 |        | 98               | C7H14   | 003769-23-1 | 37     |
| 5         | 4-Methyloxazolidine                 |        | 87               | C4H9NO  | 155799-98-7 | 33     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060325\  
Data File : VY022515.D  
Acq On : 03 Jun 2025 12:17  
Operator : SY/MD  
Sample : Q2155-01  
Misc : 4.41g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
446

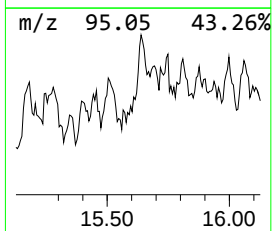
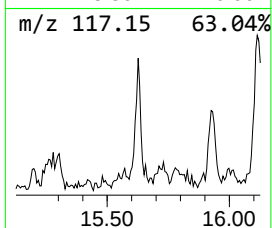
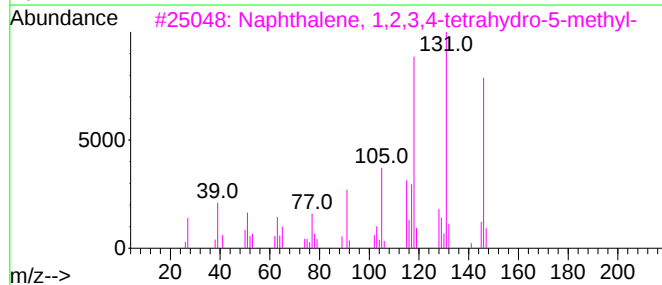
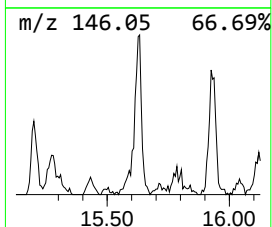
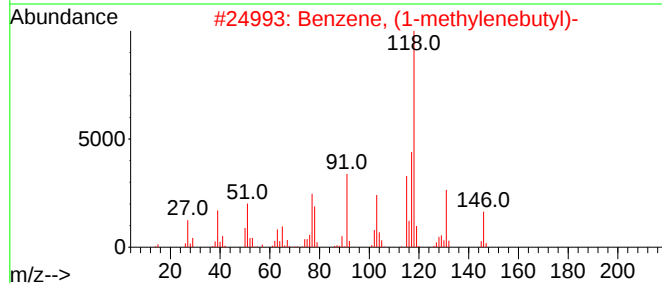
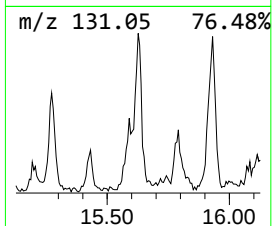
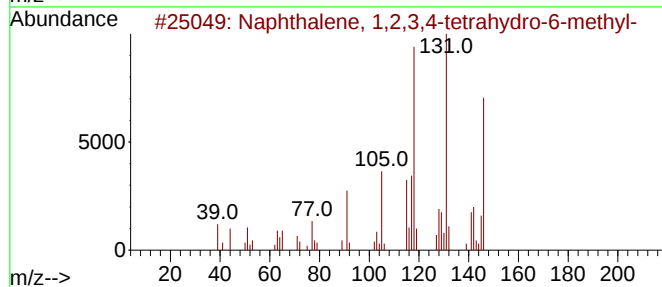
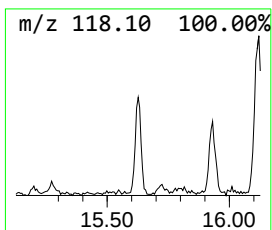
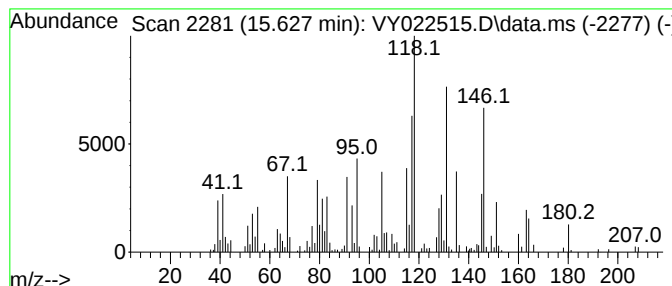
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Quant Title : SW846 8260

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

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

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.627 | 12.64 ug/l | 127746 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 001680-51-9  | 60   |
| 2    |    |   | Benzene, (1-methylenebutyl)-        | 146 | C11H14   | 005676-32-4  | 50   |
| 3    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 002809-64-5  | 43   |
| 4    |    |   | 2-Furancarboxylic acid, 3-phenyl... | 230 | C14H14O3 | 1000278-83-9 | 27   |
| 5    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16   | 004175-54-6  | 25   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060325\  
Data File : VY022515.D  
Acq On : 03 Jun 2025 12:17  
Operator : SY/MD  
Sample : Q2155-01  
Misc : 4.41g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
446

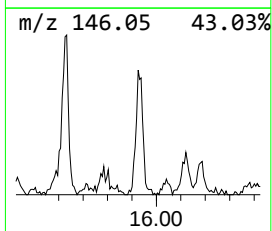
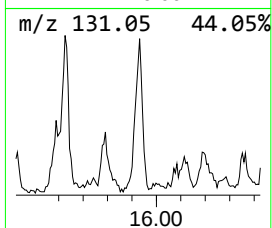
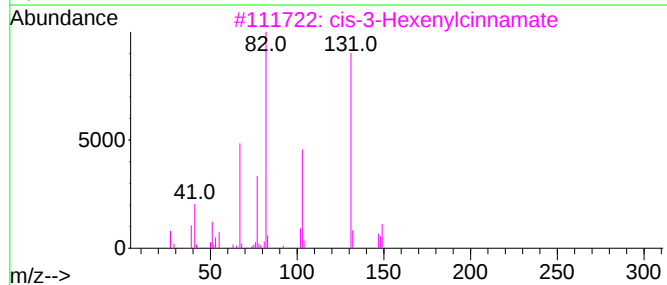
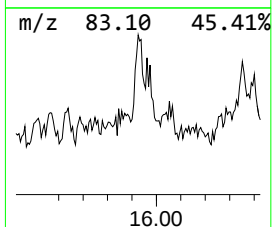
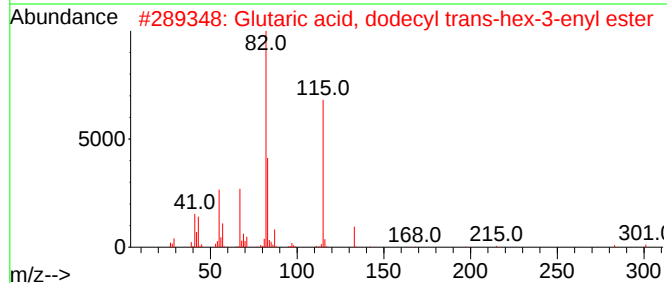
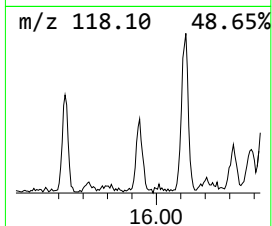
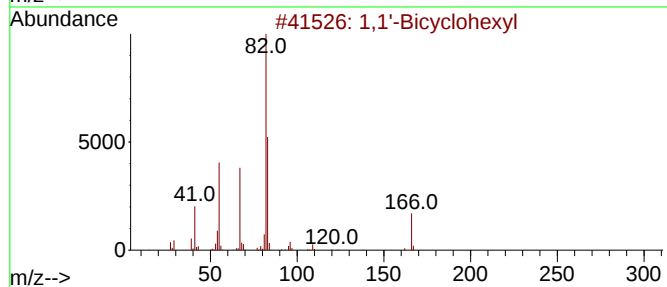
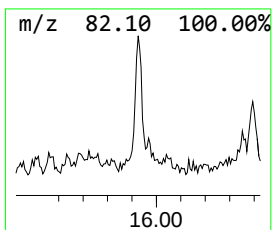
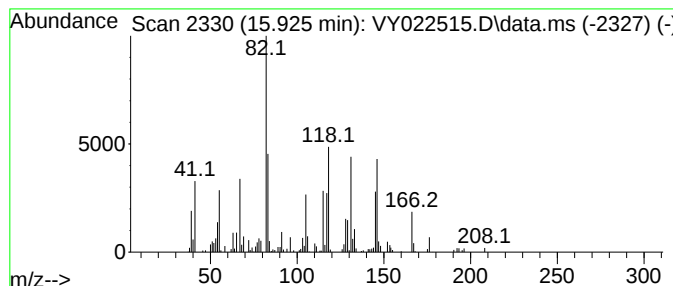
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Quant Title : SW846 8260

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

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Peak Number 8 unknown15.925 Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.925 | 15.52 ug/l | 156836 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 1,1'-Bicyclohexyl                   | 166 | C12H22       | 000092-51-3  | 30      |      |      |
| 2    | Glutaric acid, dodecyl trans-hex... | 382 | C23H42O4     | 1010359-93-2 | 27      |      |      |
| 3    | cis-3-Hexenylcinnamate              | 230 | C15H18O2     | 068133-75-5  | 27      |      |      |
| 4    | Glutaric acid, di(trans-hex-3-en... | 296 | C17H28O4     | 1000359-93-8 | 27      |      |      |
| 5    | Succinic acid, decyl trans-hex-3... | 340 | C20H36O4     | 1000353-43-3 | 22      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060325\  
Data File : VY022515.D  
Acq On : 03 Jun 2025 12:17  
Operator : SY/MD  
Sample : Q2155-01  
Misc : 4.41g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
446

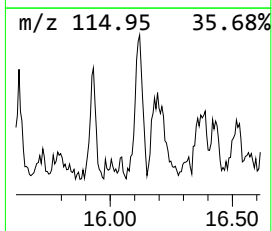
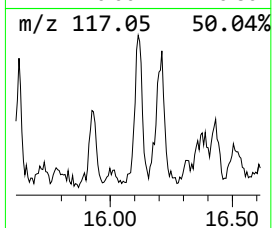
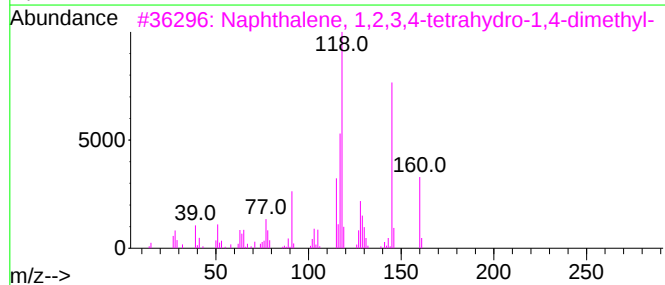
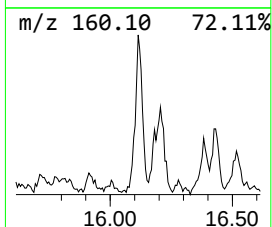
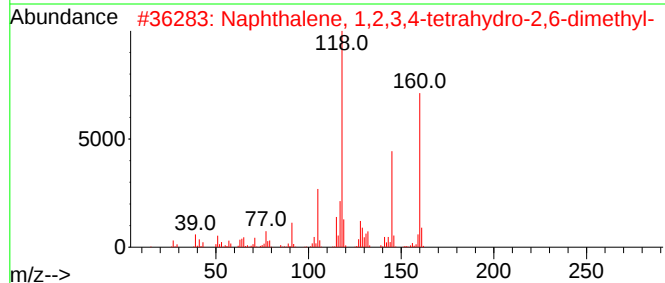
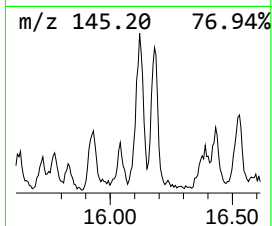
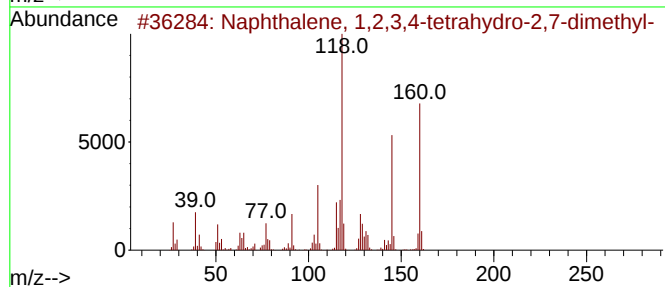
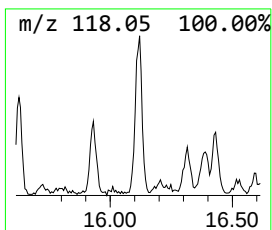
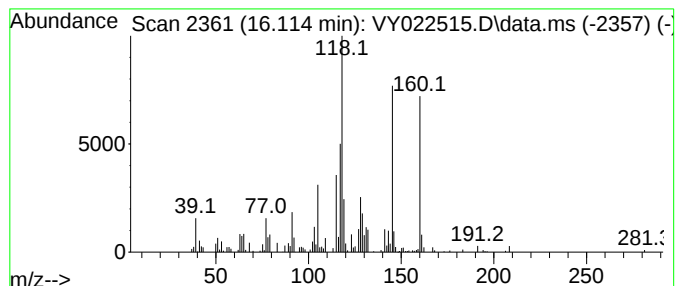
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Quant Title : SW846 8260

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

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Peak Number 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.114 | 12.22 ug/l | 123537 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 013065-07-1 | 87   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 007524-63-2 | 87   |
| 3    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 004175-54-6 | 83   |
| 4    |    |   | Benzene, 1-(2-butenyl)-2,3-dimet... | 160 | C12H16  | 054340-85-1 | 55   |
| 5    |    |   | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16  | 014679-13-1 | 55   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060325\  
Data File : VY022515.D  
Acq On : 03 Jun 2025 12:17  
Operator : SY/MD  
Sample : Q2155-01  
Misc : 4.41g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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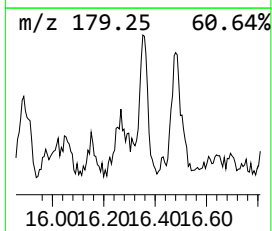
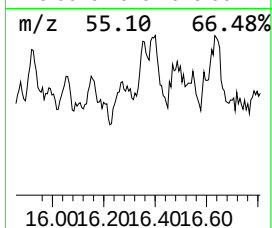
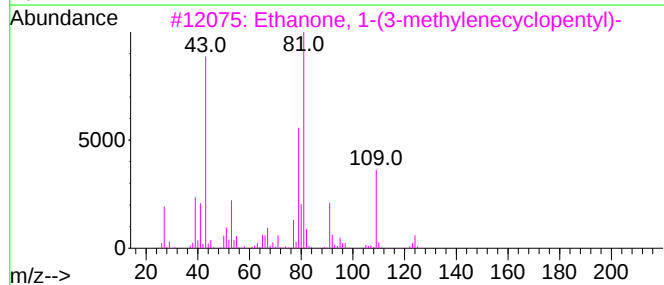
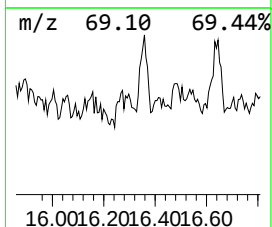
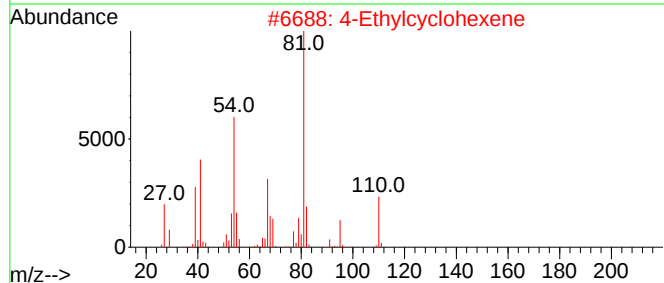
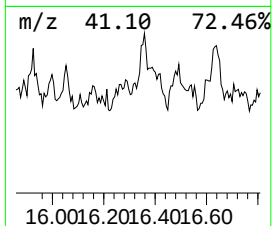
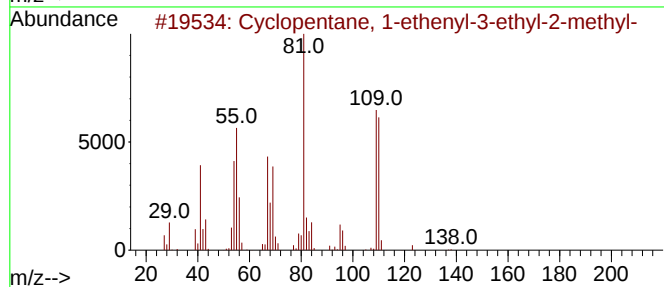
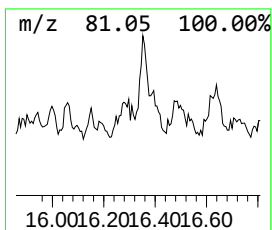
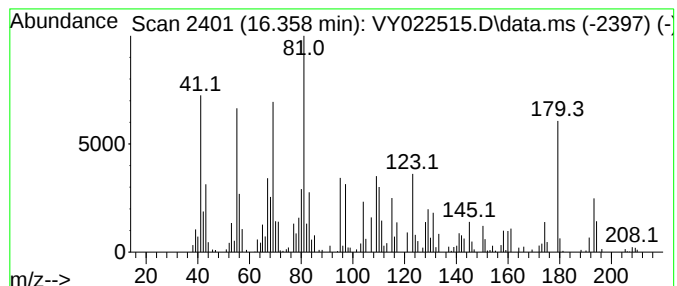
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Quant Title : SW846 8260

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

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Peak Number 10 unknown16.358 Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.358 | 16.06 ug/l | 162335 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# | of | 5 | Tentative ID                          | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Cyclopentane, 1-ethenyl-3-ethyl-...   | 138 | C10H18   | 055170-98-4 | 35   |
| 2    |    |   | 4-Ethylcyclohexene                    | 110 | C8H14    | 003742-42-5 | 25   |
| 3    |    |   | Ethanone, 1-(3-methylenecyclopentyl)- | 124 | C8H12O   | 054829-98-0 | 22   |
| 4    |    |   | Cyclopropane, tetramethylpropyl-      | 138 | C10H18   | 024519-04-8 | 22   |
| 5    |    |   | 2H-1,2-Oxaborin, 2,3,3-triethyl-      | 166 | C10H19BO | 032765-44-9 | 22   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060325\  
Data File : VY022515.D  
Acq On : 03 Jun 2025 12:17  
Operator : SY/MD  
Sample : Q2155-01  
Misc : 4.41g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
446

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.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 |
| 1-Propene, 2-me... | 2.172  | 25.9    | ug/l  | 433103   | 1                     | 7.707  | 834591  | 50.0 |
| Propanal           | 3.744  | 11.6    | ug/l  | 193327   | 1                     | 7.707  | 834591  | 50.0 |
| Butanal            | 6.604  | 32.8    | ug/l  | 547915   | 1                     | 7.707  | 834591  | 50.0 |
| Pentanal           | 9.189  | 13.7    | ug/l  | 319571   | 2                     | 8.616  | 1170220 | 50.0 |
| Oxirane, 2,3-bi... | 10.420 | 11.5    | ug/l  | 275045   | 3                     | 11.414 | 1198950 | 50.0 |
| Naphthalene, 1,... | 15.627 | 12.6    | ug/l  | 127746   | 4                     | 13.346 | 505386  | 50.0 |
| unknown15.925      | 15.925 | 15.5    | ug/l  | 156836   | 4                     | 13.346 | 505386  | 50.0 |
| Naphthalene, 1,... | 16.114 | 12.2    | ug/l  | 123537   | 4                     | 13.346 | 505386  | 50.0 |
| unknown16.358      | 16.358 | 16.1    | ug/l  | 162335   | 4                     | 13.346 | 505386  | 50.0 |