

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082323\  
 Data File : VY015298.D  
 Acq On : 23 Aug 2023 22:04  
 Operator : SY/MD  
 Sample : 04112-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RBR-22282

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\82Y081423S.M  
 Title : SW846 8260

Signal : TIC: VY015298.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         | 2.144       | 44            | 53          | 55           | rBV2     | 1039           | 2404          | 2.57%           | 0.171%        |
| 2         | 2.217       | 61            | 65          | 68           | rBV2     | 815            | 1466          | 1.57%           | 0.104%        |
| 3         | 2.869       | 168           | 172         | 174          | rBV2     | 629            | 995           | 1.06%           | 0.071%        |
| 4         | 4.716       | 465           | 475         | 484          | rBV3     | 3409           | 10231         | 10.93%          | 0.728%        |
| 5         | 4.924       | 504           | 509         | 517          | rBV4     | 447            | 1386          | 1.48%           | 0.099%        |
| 6         | 5.747       | 636           | 644         | 653          | rVB4     | 4359           | 12697         | 13.56%          | 0.903%        |
| 7         | 6.978       | 837           | 846         | 853          | rBV2     | 6424           | 18612         | 19.88%          | 1.324%        |
| 8         | 7.716       | 959           | 967         | 973          | rBV3     | 11908          | 28991         | 30.97%          | 2.062%        |
| 9         | 7.789       | 973           | 979         | 991          | rVB3     | 21289          | 49230         | 52.59%          | 3.502%        |
| 10        | 8.142       | 1029          | 1037        | 1047         | rVB2     | 13809          | 31309         | 33.44%          | 2.227%        |
| 11        | 8.691       | 1120          | 1127        | 1136         | rBV      | 31492          | 59972         | 64.06%          | 4.266%        |
| 12        | 10.179      | 1365          | 1371        | 1378         | rBV      | 47635          | 81533         | 87.09%          | 5.800%        |
| 13        | 10.240      | 1378          | 1381        | 1388         | rVB4     | 479            | 967           | 1.03%           | 0.069%        |
| 14        | 10.581      | 1431          | 1437        | 1441         | rBV3     | 2499           | 4481          | 4.79%           | 0.319%        |
| 15        | 10.947      | 1491          | 1497        | 1503         | rVB4     | 2094           | 4001          | 4.27%           | 0.285%        |
| 16        | 11.087      | 1516          | 1520        | 1526         | rVB2     | 1702           | 2531          | 2.70%           | 0.180%        |
| 17        | 11.288      | 1549          | 1553        | 1563         | rVB5     | 1077           | 2689          | 2.87%           | 0.191%        |
| 18        | 11.489      | 1577          | 1586        | 1597         | rBV      | 44066          | 72357         | 77.29%          | 5.147%        |
| 19        | 11.624      | 1605          | 1608        | 1611         | rBV2     | 1029           | 975           | 1.04%           | 0.069%        |
| 20        | 11.721      | 1618          | 1624        | 1625         | rBV5     | 1191           | 1795          | 1.92%           | 0.128%        |
| 21        | 11.739      | 1625          | 1627        | 1630         | rVV4     | 1839           | 2529          | 2.70%           | 0.180%        |
| 22        | 11.770      | 1630          | 1632        | 1639         | rVB4     | 922            | 1754          | 1.87%           | 0.125%        |
| 23        | 12.008      | 1664          | 1671        | 1674         | rBV5     | 3573           | 7524          | 8.04%           | 0.535%        |
| 24        | 12.123      | 1686          | 1690        | 1693         | rVB4     | 2347           | 3355          | 3.58%           | 0.239%        |
| 25        | 12.172      | 1693          | 1698        | 1699         | rBV3     | 1256           | 1441          | 1.54%           | 0.103%        |
| 26        | 12.209      | 1699          | 1704        | 1706         | rBV5     | 3232           | 5561          | 5.94%           | 0.396%        |
| 27        | 12.233      | 1706          | 1708        | 1714         | rVB4     | 2960           | 4906          | 5.24%           | 0.349%        |
| 28        | 12.306      | 1718          | 1720        | 1725         | rVB6     | 1175           | 1674          | 1.79%           | 0.119%        |
| 29        | 12.380      | 1725          | 1732        | 1734         | rBV5     | 2032           | 4276          | 4.57%           | 0.304%        |
| 30        | 12.483      | 1744          | 1749        | 1754         | rBV3     | 37756          | 60119         | 64.22%          | 4.276%        |
| 31        | 12.526      | 1754          | 1756        | 1759         | rVV2     | 2082           | 1523          | 1.63%           | 0.108%        |
| 32        | 12.562      | 1759          | 1762        | 1763         | rVV3     | 874            | 1013          | 1.08%           | 0.072%        |
| 33        | 12.642      | 1771          | 1775        | 1782         | rVB4     | 9414           | 17293         | 18.47%          | 1.230%        |
| 34        | 12.733      | 1782          | 1790        | 1794         | rBV7     | 4929           | 12167         | 13.00%          | 0.865%        |
| 35        | 12.806      | 1794          | 1802        | 1807         | rVV3     | 19118          | 36397         | 38.88%          | 2.589%        |
| 36        | 12.861      | 1808          | 1811        | 1816         | rVB6     | 3743           | 5553          | 5.93%           | 0.395%        |

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 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RBR-22282

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\82Y081423S.M  
 Title : SW846 8260

|    |        |      |      |      |       |       |       |         |        |
|----|--------|------|------|------|-------|-------|-------|---------|--------|
| 37 | 12.953 | 1822 | 1826 | 1830 | rBV6  | 4841  | 9496  | 10.14%  | 0.675% |
| 38 | 13.038 | 1836 | 1840 | 1847 | rVB3  | 13486 | 21903 | 23.40%  | 1.558% |
| 39 | 13.117 | 1850 | 1853 | 1854 | rBV3  | 1516  | 1496  | 1.60%   | 0.106% |
| 40 | 13.172 | 1858 | 1862 | 1868 | rBV8  | 3295  | 5986  | 6.39%   | 0.426% |
| 41 | 13.221 | 1868 | 1870 | 1872 | rBV2  | 1911  | 1708  | 1.82%   | 0.121% |
| 42 | 13.318 | 1878 | 1886 | 1889 | rBV6  | 11650 | 25832 | 27.59%  | 1.837% |
| 43 | 13.361 | 1889 | 1893 | 1896 | rVV5  | 6914  | 10367 | 11.07%  | 0.737% |
| 44 | 13.428 | 1896 | 1904 | 1912 | rVB   | 52629 | 93617 | 100.00% | 6.659% |
| 45 | 13.501 | 1912 | 1916 | 1920 | rBV5  | 6397  | 9027  | 9.64%   | 0.642% |
| 46 | 13.562 | 1922 | 1926 | 1930 | rBV5  | 3294  | 4915  | 5.25%   | 0.350% |
| 47 | 13.617 | 1931 | 1935 | 1939 | rBV5  | 2321  | 3685  | 3.94%   | 0.262% |
| 48 | 13.666 | 1939 | 1943 | 1949 | rVB2  | 5221  | 8267  | 8.83%   | 0.588% |
| 49 | 13.751 | 1950 | 1957 | 1961 | rBV2  | 47348 | 77473 | 82.76%  | 5.511% |
| 50 | 13.794 | 1961 | 1964 | 1967 | rBV5  | 3782  | 4915  | 5.25%   | 0.350% |
| 51 | 13.855 | 1972 | 1974 | 1977 | rVV4  | 7278  | 9039  | 9.66%   | 0.643% |
| 52 | 13.910 | 1981 | 1983 | 1988 | rVV6  | 8150  | 15683 | 16.75%  | 1.116% |
| 53 | 13.965 | 1990 | 1992 | 1997 | rVB3  | 11317 | 14843 | 15.86%  | 1.056% |
| 54 | 14.013 | 1997 | 2000 | 2005 | rVB6  | 7716  | 10872 | 11.61%  | 0.773% |
| 55 | 14.080 | 2005 | 2011 | 2015 | rBV4  | 16758 | 30567 | 32.65%  | 2.174% |
| 56 | 14.135 | 2015 | 2020 | 2027 | rBV8  | 8266  | 18753 | 20.03%  | 1.334% |
| 57 | 14.257 | 2027 | 2040 | 2047 | rBV10 | 23879 | 81942 | 87.53%  | 5.829% |
| 58 | 14.312 | 2047 | 2049 | 2056 | rVB4  | 10029 | 16485 | 17.61%  | 1.173% |
| 59 | 14.379 | 2056 | 2060 | 2063 | rBV5  | 15929 | 23136 | 24.71%  | 1.646% |
| 60 | 14.422 | 2063 | 2067 | 2071 | rVB5  | 17534 | 23796 | 25.42%  | 1.693% |
| 61 | 14.611 | 2094 | 2098 | 2102 | rBV   | 25524 | 32519 | 34.74%  | 2.313% |
| 62 | 14.684 | 2104 | 2110 | 2114 | rVV4  | 18698 | 43149 | 46.09%  | 3.069% |
| 63 | 14.727 | 2114 | 2117 | 2124 | rVB3  | 25776 | 43772 | 46.76%  | 3.114% |
| 64 | 14.940 | 2149 | 2152 | 2156 | rBV5  | 9186  | 11864 | 12.67%  | 0.844% |
| 65 | 15.050 | 2165 | 2170 | 2175 | rBV7  | 10119 | 23111 | 24.69%  | 1.644% |
| 66 | 15.208 | 2191 | 2196 | 2202 | rBV2  | 21659 | 38144 | 40.74%  | 2.713% |
| 67 | 15.434 | 2230 | 2233 | 2241 | rVB8  | 11212 | 20933 | 22.36%  | 1.489% |
| 68 | 15.550 | 2241 | 2252 | 2255 | rBV8  | 7452  | 24406 | 26.07%  | 1.736% |
| 69 | 15.605 | 2258 | 2261 | 2266 | rVB7  | 9909  | 15045 | 16.07%  | 1.070% |
| 70 | 15.727 | 2279 | 2281 | 2286 | rVB5  | 6754  | 7912  | 8.45%   | 0.563% |
| 71 | 16.025 | 2324 | 2330 | 2336 | rBV10 | 8176  | 19531 | 20.86%  | 1.389% |
| 72 | 16.080 | 2337 | 2339 | 2341 | rBV3  | 2367  | 1998  | 2.13%   | 0.142% |
| 73 | 16.153 | 2347 | 2351 | 2356 | rBV3  | 8054  | 14151 | 15.12%  | 1.007% |
| 74 | 16.226 | 2359 | 2363 | 2370 | rVB9  | 6416  | 11570 | 12.36%  | 0.823% |
| 75 | 16.476 | 2400 | 2404 | 2413 | rVB9  | 5632  | 12754 | 13.62%  | 0.907% |
| 76 | 16.610 | 2421 | 2426 | 2428 | rBV6  | 2880  | 5464  | 5.84%   | 0.389% |

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-22282

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\82Y081423S.M  
Title : SW846 8260

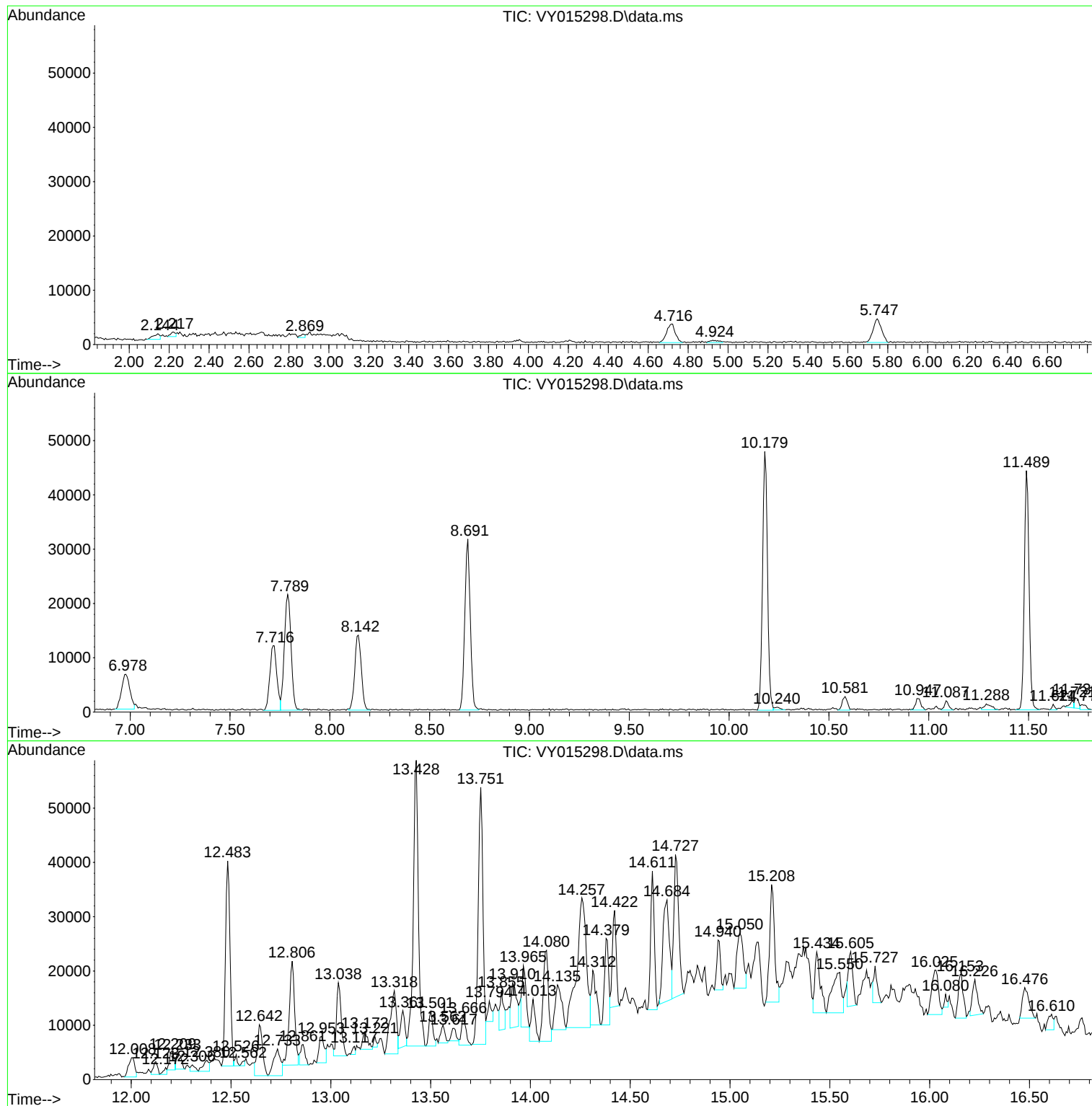
Sum of corrected areas: 1405833

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082323\  
Data File : VY015298.D  
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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260

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



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-22282

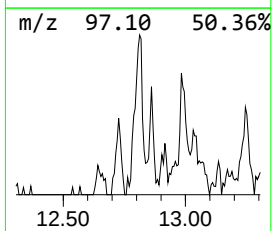
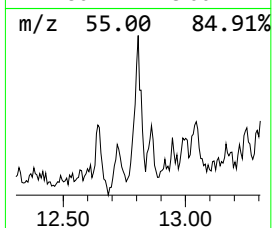
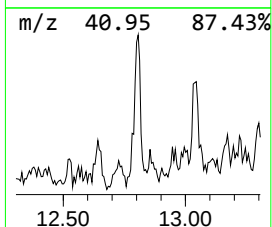
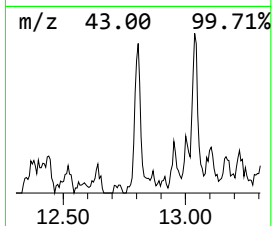
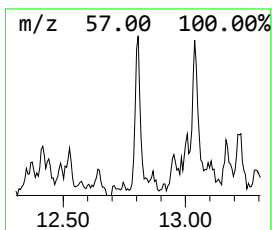
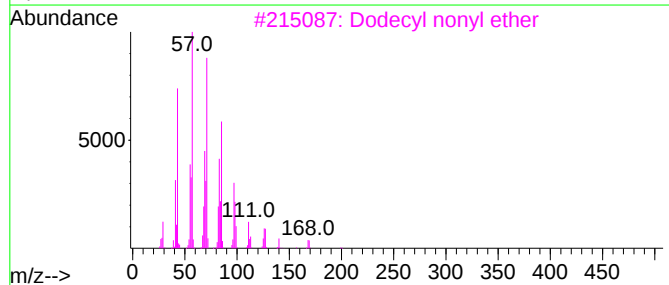
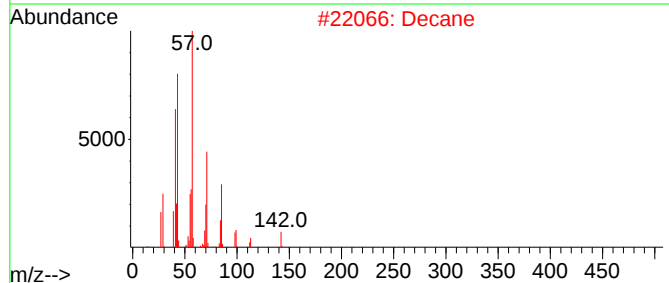
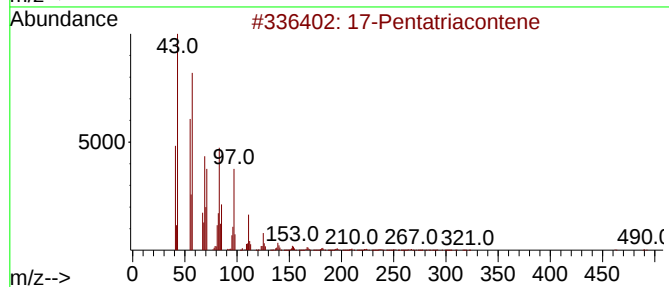
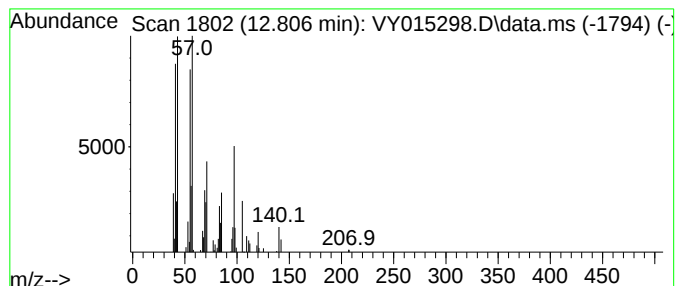
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260

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

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Peak Number 2 17-Pentatriacontene Concentration Rank 6

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 12.806 | 19.44 ug/l | 36397 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|---|-----------------------|-----|---------|--------------|------|
| 1    |    |   | 17-Pentatriacontene   | 491 | C35H70  | 006971-40-0  | 58   |
| 2    |    |   | Decane                | 142 | C10H22  | 000124-18-5  | 46   |
| 3    |    |   | Dodecyl nonyl ether   | 312 | C21H44O | 1000406-37-5 | 38   |
| 4    |    |   | Cycloheptane, methyl- | 112 | C8H16   | 004126-78-7  | 35   |
| 5    |    |   | Hexadecyl octyl ether | 354 | C24H50O | 1000406-38-6 | 27   |



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-22282

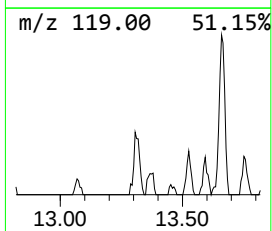
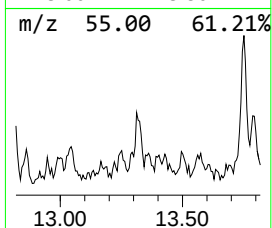
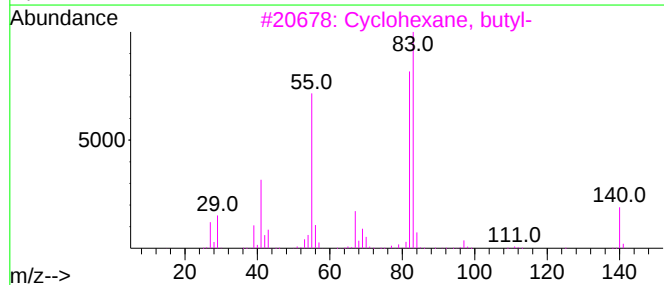
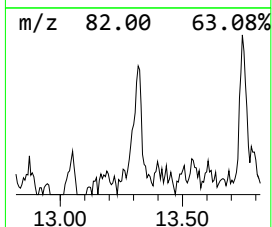
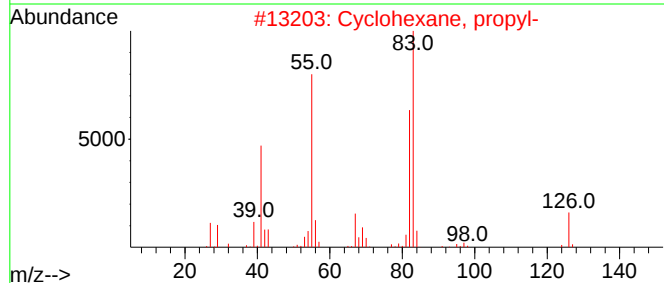
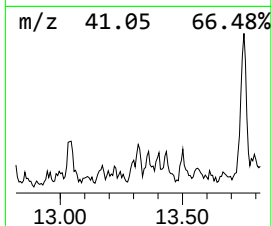
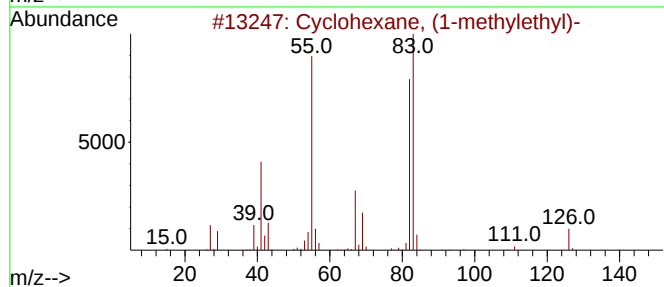
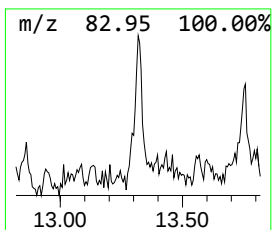
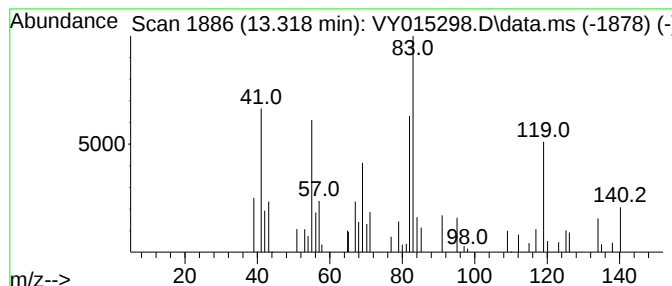
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260

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

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Peak Number 3 unknown13.318 Concentration Rank 10

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 13.318 | 13.80 ug/l | 25832 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, (1-methylethyl)-  | 126 | C9H18   | 000696-29-7 | 46   |
| 2    |    |   | Cyclohexane, propyl-           | 126 | C9H18   | 001678-92-8 | 46   |
| 3    |    |   | Cyclohexane, butyl-            | 140 | C10H20  | 001678-93-9 | 46   |
| 4    |    |   | Ethanone, 1-cyclohexyl-        | 126 | C8H14O  | 000823-76-7 | 30   |
| 5    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 11   |



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-22282

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260

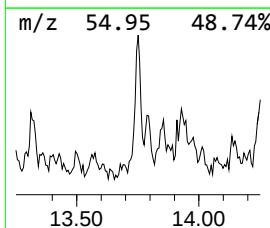
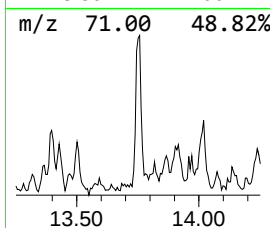
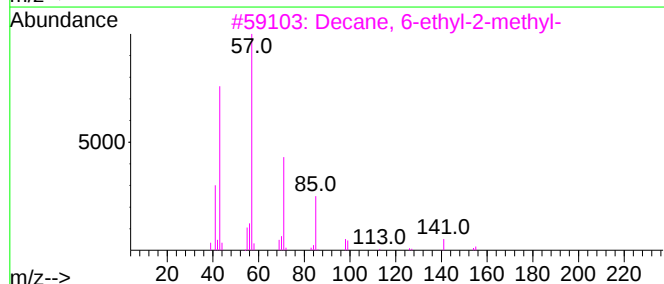
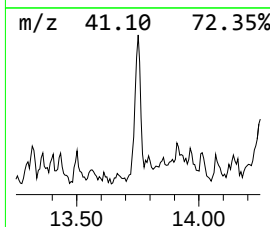
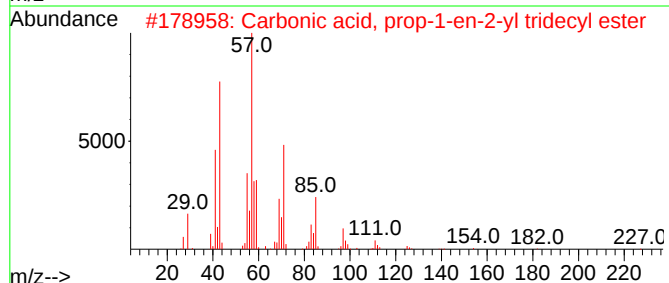
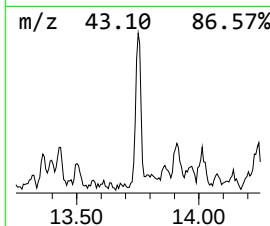
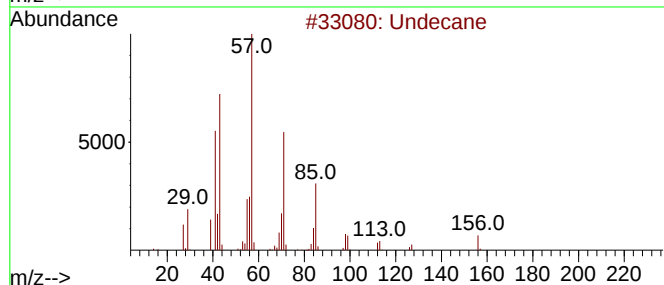
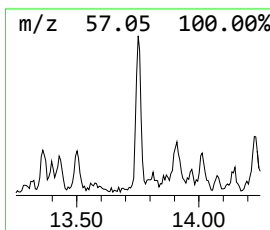
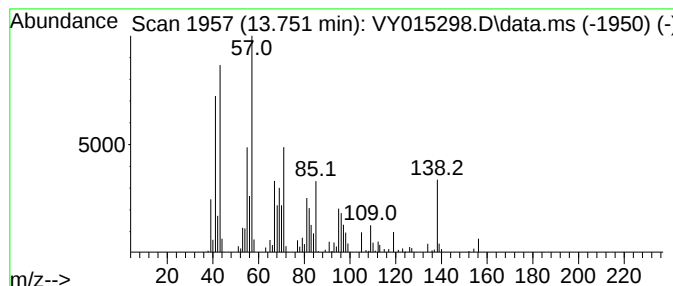
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Undecane Concentration Rank 2

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 13.751 | 41.38 ug/l | 77473 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm  | CAS#         | Qual |
|------|-------------------------------------|---|--------------|-----|----------|--------------|------|
| 1    | Undecane                            |   |              | 156 | C11H24   | 001120-21-4  | 62   |
| 2    | Carbonic acid, prop-1-en-2-yl tr... |   |              | 284 | C17H32O3 | 1000382-90-8 | 43   |
| 3    | Decane, 6-ethyl-2-methyl-           |   |              | 184 | C13H28   | 062108-21-8  | 35   |
| 4    | Cyclononane, 2-hydroxy-             |   |              | 156 | C9H16O2  | 000496-83-3  | 30   |
| 5    | Nonyl tetradecyl ether              |   |              | 340 | C23H48O  | 1000406-37-6 | 27   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082323\  
Data File : VY015298.D  
Acq On : 23 Aug 2023 22:04  
Operator : SY/MD  
Sample : 04112-01  
Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-22282

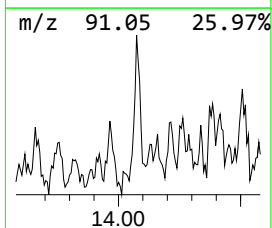
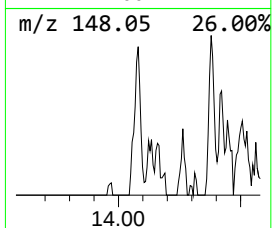
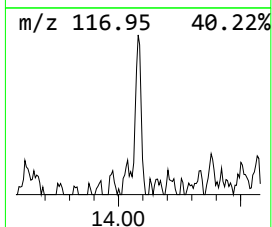
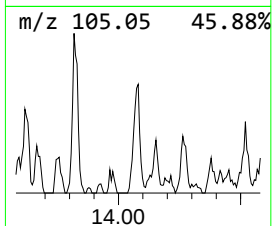
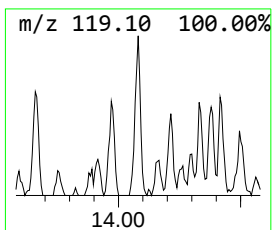
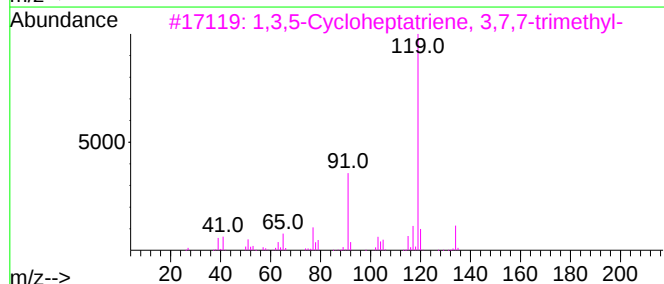
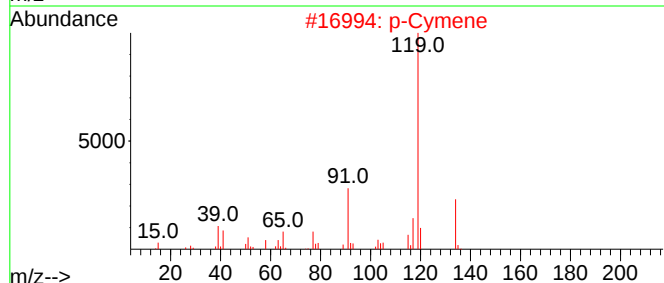
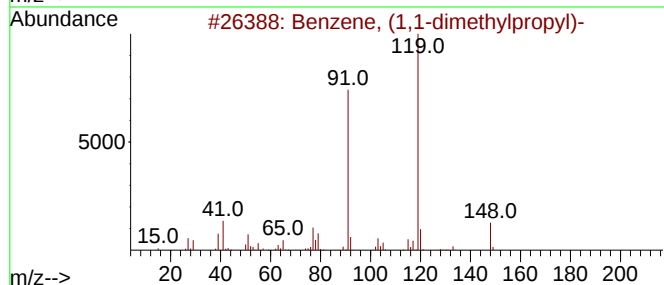
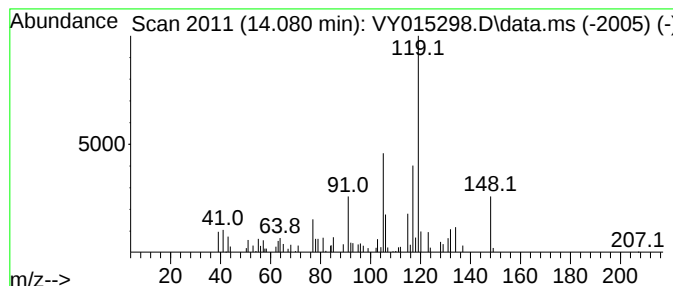
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Quant Title : SW846 8260

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

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Peak Number 5 unknown14.081 Concentration Rank 9

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 14.081 | 16.33 ug/l | 30567 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (1,1-dimethylpropyl)-      | 148 | C11H16  | 002049-95-8 | 46   |
| 2    |    |   | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 46   |
| 3    |    |   | 1,3,5-Cycloheptatriene, 3,7,7-tr... | 134 | C10H14  | 003479-89-8 | 46   |
| 4    |    |   | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 43   |
| 5    |    |   | Propiophenone, 2'-methyl-           | 148 | C10H12O | 002040-14-4 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082323\  
Data File : VY015298.D  
Acq On : 23 Aug 2023 22:04  
Operator : SY/MD  
Sample : 04112-01  
Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-22282

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260

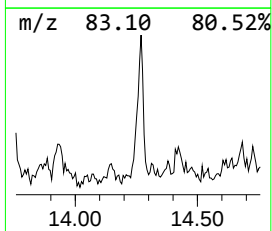
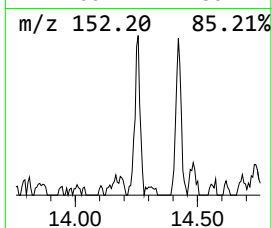
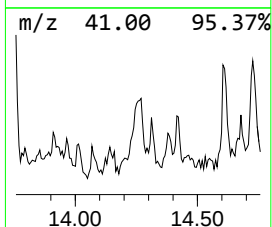
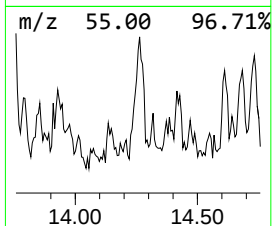
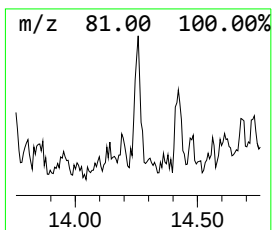
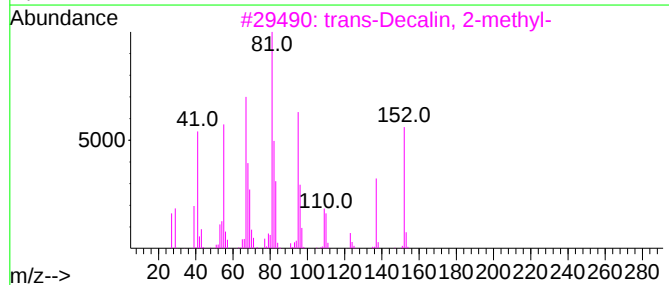
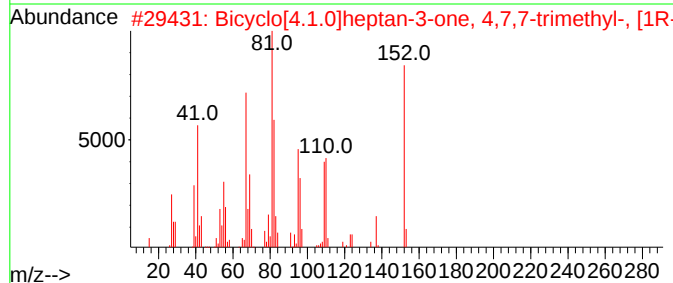
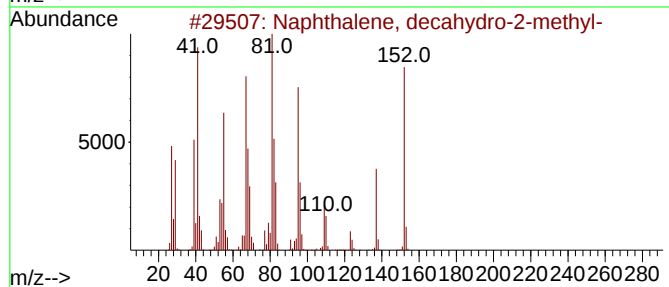
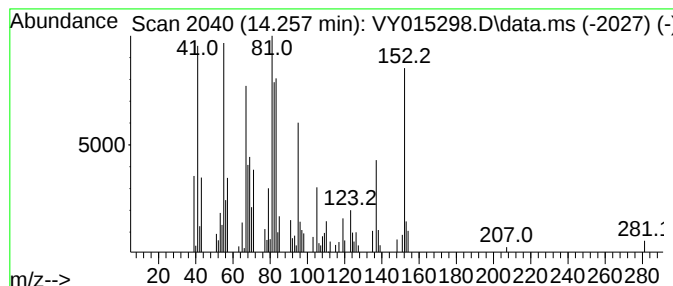
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Naphthalene, decahydro-2-me... Concentration Rank 1

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 14.257 | 43.76 ug/l | 81942 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1  | 70   |
| 2    |    |   | Bicyclo[4.1.0]heptan-3-one, 4,7,... | 152 | C10H16O | 004176-04-9  | 64   |
| 3    |    |   | trans-Decalin, 2-methyl-            | 152 | C11H20  | 1000152-47-3 | 62   |
| 4    |    |   | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6  | 60   |
| 5    |    |   | Furan, 2-hexyl-                     | 152 | C10H16O | 003777-70-6  | 55   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082323\  
Data File : VY015298.D  
Acq On : 23 Aug 2023 22:04  
Operator : SY/MD  
Sample : 04112-01  
Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-22282

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260

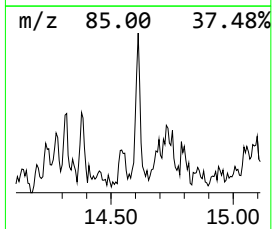
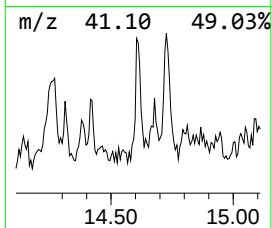
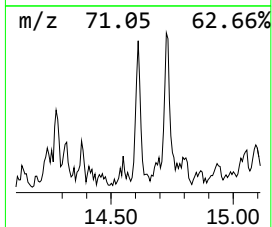
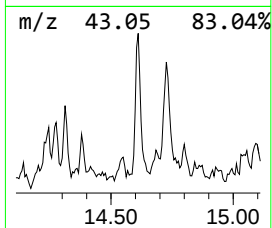
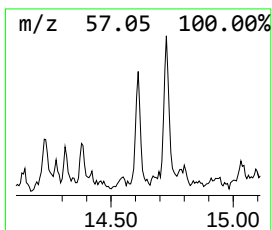
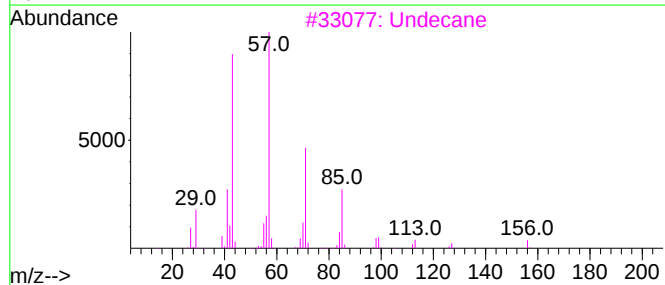
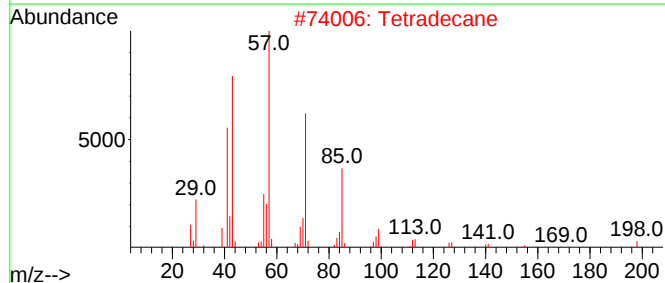
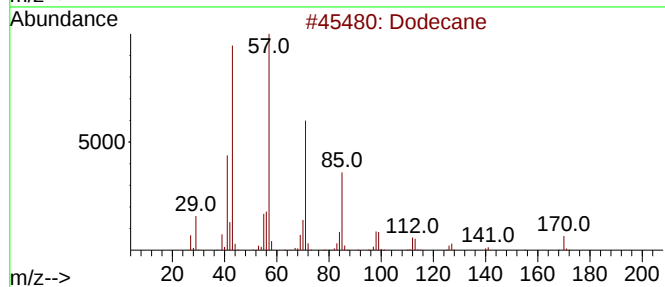
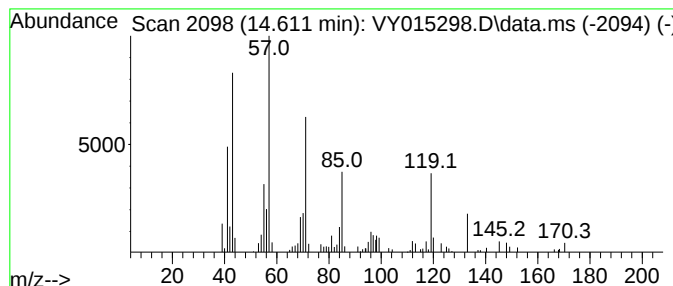
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Dodecane Concentration Rank 8

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 14.611 | 17.37 ug/l | 32519 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane            | 170 | C12H26  | 000112-40-3 | 89   |
| 2    |    |   | Tetradecane         | 198 | C14H30  | 000629-59-4 | 58   |
| 3    |    |   | Undecane            | 156 | C11H24  | 001120-21-4 | 53   |
| 4    |    |   | Hexadecane          | 226 | C16H34  | 000544-76-3 | 50   |
| 5    |    |   | 10-Methylnonadecane | 282 | C20H42  | 056862-62-5 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082323\  
Data File : VY015298.D  
Acq On : 23 Aug 2023 22:04  
Operator : SY/MD  
Sample : 04112-01  
Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-22282

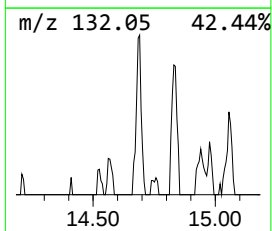
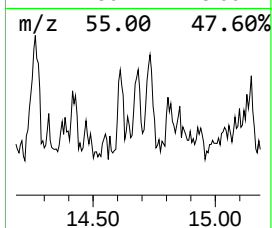
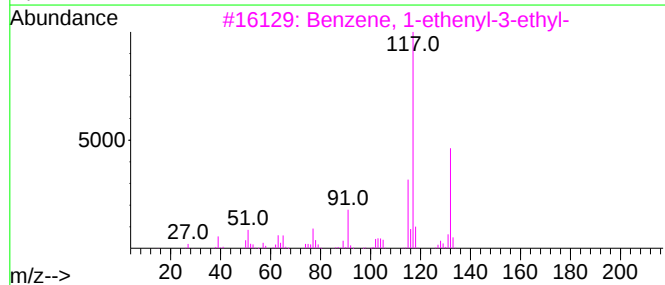
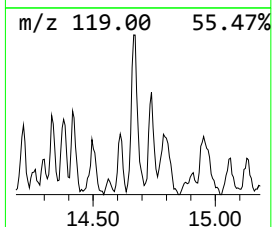
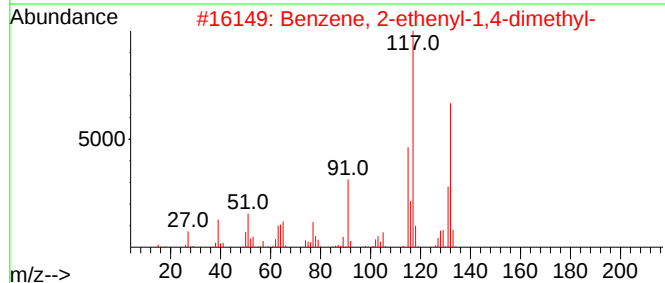
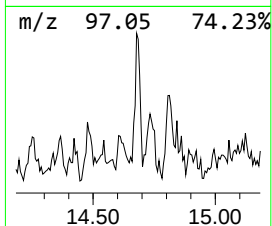
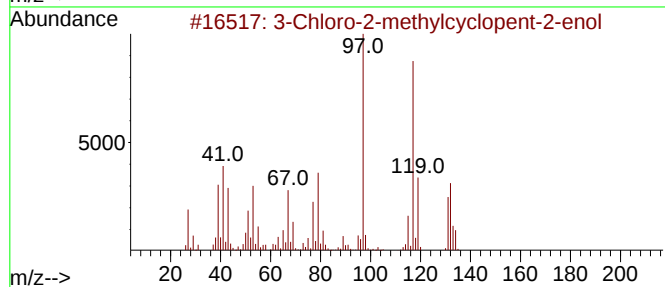
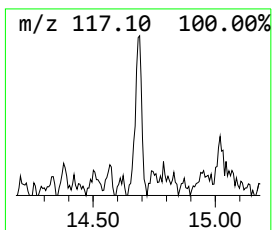
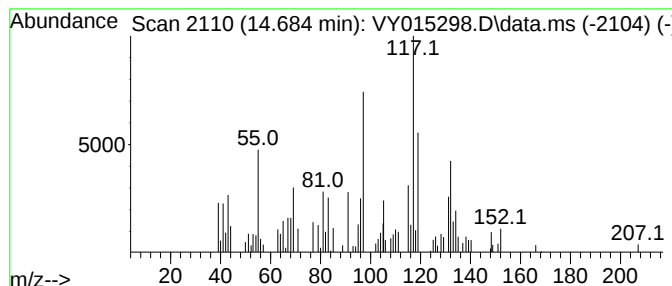
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Quant Title : SW846 8260

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

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Peak Number 8 3-Chloro-2-methylcyclopent-... Concentration Rank 4

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 14.684 | 23.05 ug/l | 43149 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | 3-Chloro-2-methylcyclopent-2-enol   | 132 | C6H9ClO | 1000192-84-7 | 68   |
| 2    |    |   | Benzene, 2-ethenyl-1,4-dimethyl-    | 132 | C10H12  | 002039-89-6  | 53   |
| 3    |    |   | Benzene, 1-ethenyl-3-ethyl-         | 132 | C10H12  | 007525-62-4  | 42   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-5-methyl-    | 132 | C10H12  | 000874-35-1  | 42   |
| 5    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000767-99-7  | 42   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082323\  
Data File : VY015298.D  
Acq On : 23 Aug 2023 22:04  
Operator : SY/MD  
Sample : 04112-01  
Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-22282

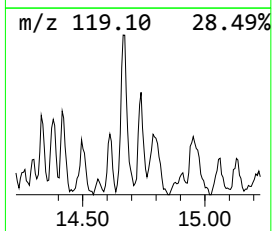
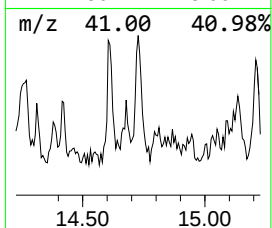
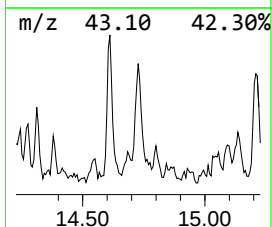
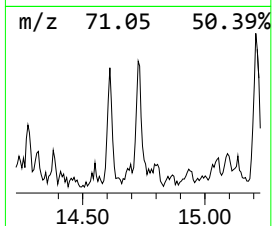
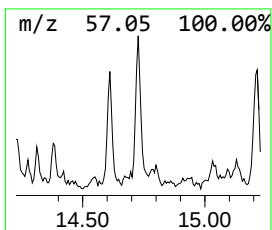
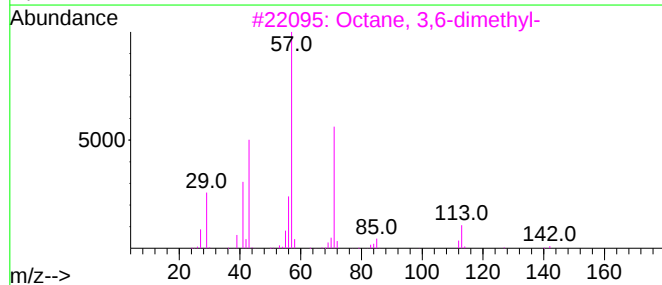
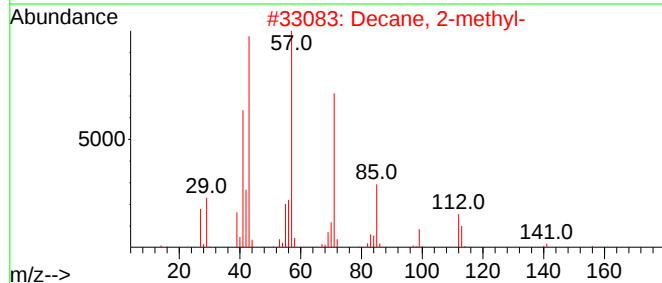
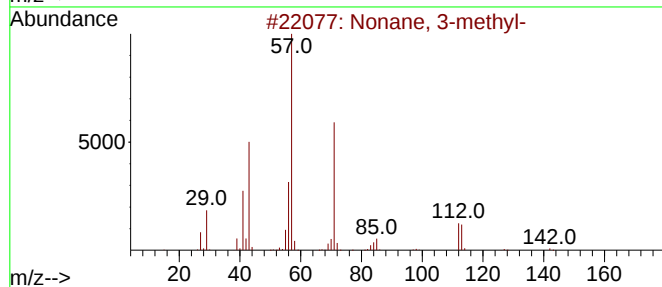
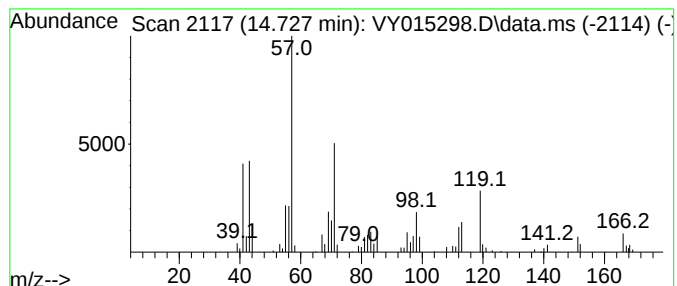
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Quant Title : SW846 8260

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

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Peak Number 9 Nonane, 3-methyl- Concentration Rank 3

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 14.727 | 23.38 ug/l | 43772 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Nonane, 3-methyl-                 | 142 | C10H22    | 005911-04-6  | 50   |
| 2    |    |   | Decane, 2-methyl-                 | 156 | C11H24    | 006975-98-0  | 50   |
| 3    |    |   | Octane, 3,6-dimethyl-             | 142 | C10H22    | 015869-94-0  | 47   |
| 4    |    |   | Octane, 2,6-dimethyl-             | 142 | C10H22    | 002051-30-1  | 47   |
| 5    |    |   | Sulfurous acid, butyl octyl ester | 250 | C12H26O3S | 1000309-17-5 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082323\  
Data File : VY015298.D  
Acq On : 23 Aug 2023 22:04  
Operator : SY/MD  
Sample : 04112-01  
Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-22282

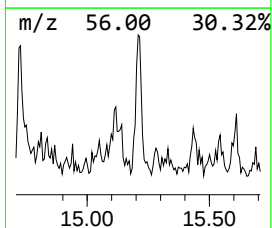
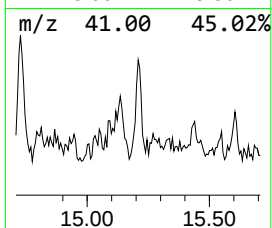
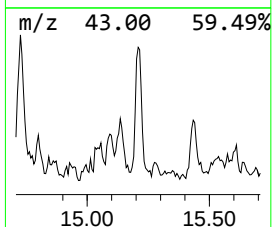
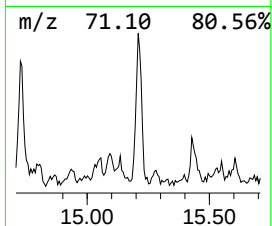
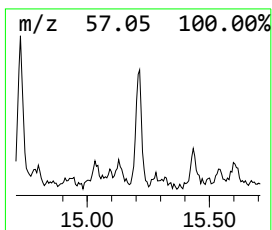
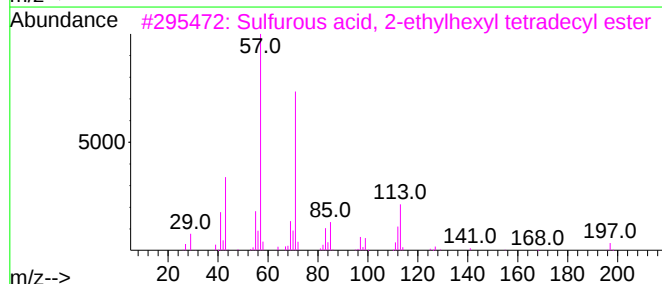
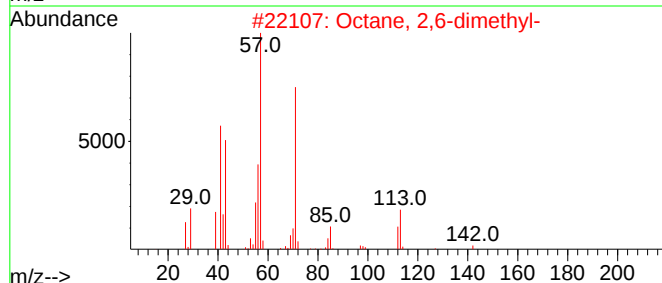
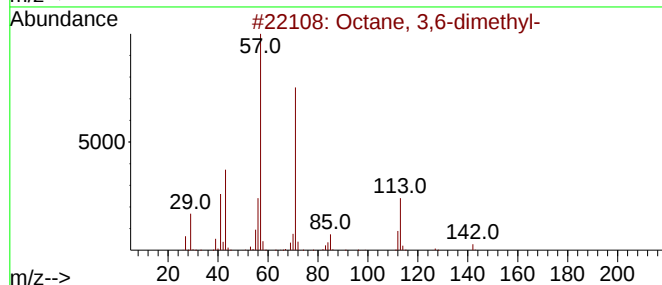
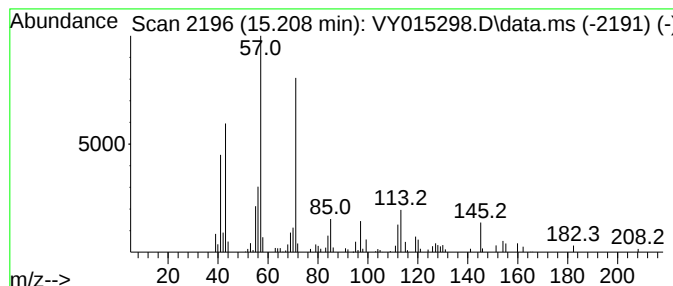
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 Octane, 3,6-dimethyl- Concentration Rank 5

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 15.208 | 20.37 ug/l | 38144 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Octane, 3,6-dimethyl-               | 142 | C10H22    | 015869-94-0  | 80   |
| 2    |    |   | Octane, 2,6-dimethyl-               | 142 | C10H22    | 002051-30-1  | 72   |
| 3    |    |   | Sulfurous acid, 2-ethylhexyl tet... | 390 | C22H46O3S | 1000309-19-7 | 72   |
| 4    |    |   | Sulfurous acid, 2-ethylhexyl tri... | 376 | C21H44O3S | 1000309-19-6 | 72   |
| 5    |    |   | Sulfurous acid, dodecyl 2-ethylh... | 362 | C20H42O3S | 1000309-19-5 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082323\  
Data File : VY015298.D  
Acq On : 23 Aug 2023 22:04  
Operator : SY/MD  
Sample : 04112-01  
Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-22282

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.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 |
| 17-Pentatriacon... | 12.806 | 19.4    | ug/l  | 36397    | 4                     | 13.428 | 93617 | 50.0 |
| unknown13.318      | 13.318 | 13.8    | ug/l  | 25832    | 4                     | 13.428 | 93617 | 50.0 |
| Undecane           | 13.751 | 41.4    | ug/l  | 77473    | 4                     | 13.428 | 93617 | 50.0 |
| unknown14.081      | 14.081 | 16.3    | ug/l  | 30567    | 4                     | 13.428 | 93617 | 50.0 |
| Naphthalene, de... | 14.257 | 43.8    | ug/l  | 81942    | 4                     | 13.428 | 93617 | 50.0 |
| Dodecane           | 14.611 | 17.4    | ug/l  | 32519    | 4                     | 13.428 | 93617 | 50.0 |
| 3-Chloro-2-meth... | 14.684 | 23.1    | ug/l  | 43149    | 4                     | 13.428 | 93617 | 50.0 |
| Nonane, 3-methyl-  | 14.727 | 23.4    | ug/l  | 43772    | 4                     | 13.428 | 93617 | 50.0 |
| Octane, 3,6-dim... | 15.208 | 20.4    | ug/l  | 38144    | 4                     | 13.428 | 93617 | 50.0 |