

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101123\  
 Data File : VY015932.D  
 Acq On : 11 Oct 2023 18:29  
 Operator : SY/MD  
 Sample : 04805-06  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 M-1(0-5)

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\82Y100923S.M  
 Title : SW846 8260

Signal : TIC: VY015932.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         | 7.716       | 958           | 967         | 973          | rBV      | 113941         | 272945        | 1.92%           | 0.567%        |
| 2         | 7.789       | 973           | 979         | 990          | rVB      | 188047         | 423352        | 2.98%           | 0.879%        |
| 3         | 8.143       | 1026          | 1037        | 1049         | rBV2     | 128270         | 305569        | 2.15%           | 0.634%        |
| 4         | 8.691       | 1118          | 1127        | 1138         | rBV      | 292878         | 576008        | 4.06%           | 1.196%        |
| 5         | 10.179      | 1364          | 1371        | 1378         | rBV      | 457918         | 808517        | 5.69%           | 1.678%        |
| 6         | 11.496      | 1578          | 1587        | 1597         | rBV      | 412493         | 701327        | 4.94%           | 1.456%        |
| 7         | 11.685      | 1611          | 1618        | 1638         | rBV3     | 72553          | 202592        | 1.43%           | 0.421%        |
| 8         | 12.032      | 1671          | 1675        | 1687         | rVB5     | 53414          | 142106        | 1.00%           | 0.295%        |
| 9         | 12.233      | 1701          | 1708        | 1715         | rVB      | 306082         | 516803        | 3.64%           | 1.073%        |
| 10        | 12.337      | 1715          | 1725        | 1731         | rBV      | 1905495        | 3193339       | 22.48%          | 6.629%        |
| 11        | 12.483      | 1744          | 1749        | 1754         | rBV      | 359265         | 641774        | 4.52%           | 1.332%        |
| 12        | 12.550      | 1755          | 1760        | 1763         | rVV      | 557055         | 980596        | 6.90%           | 2.036%        |
| 13        | 12.587      | 1763          | 1766        | 1773         | rVB      | 568646         | 863509        | 6.08%           | 1.793%        |
| 14        | 12.782      | 1786          | 1798        | 1813         | rBV3     | 1641404        | 4372081       | 30.78%          | 9.076%        |
| 15        | 12.916      | 1813          | 1820        | 1825         | rVV      | 4180619        | 7232876       | 50.92%          | 15.015%       |
| 16        | 12.959      | 1825          | 1827        | 1842         | rVB3     | 591055         | 1314474       | 9.25%           | 2.729%        |
| 17        | 13.123      | 1850          | 1854        | 1867         | rVB6     | 91106          | 253476        | 1.78%           | 0.526%        |
| 18        | 13.270      | 1867          | 1878        | 1883         | rBV      | 337000         | 557382        | 3.92%           | 1.157%        |
| 19        | 13.373      | 1883          | 1895        | 1900         | rBV      | 9818913        | 14204762      | 100.00%         | 29.489%       |
| 20        | 13.428      | 1900          | 1904        | 1913         | rVB2     | 411493         | 661820        | 4.66%           | 1.374%        |
| 21        | 13.587      | 1913          | 1930        | 1933         | rBV6     | 117341         | 445817        | 3.14%           | 0.926%        |
| 22        | 13.629      | 1933          | 1937        | 1941         | rBV      | 224821         | 335291        | 2.36%           | 0.696%        |
| 23        | 13.971      | 1988          | 1993        | 1997         | rBV2     | 91360          | 161768        | 1.14%           | 0.336%        |
| 24        | 14.032      | 1997          | 2003        | 2007         | rBV      | 78287          | 180989        | 1.27%           | 0.376%        |
| 25        | 14.300      | 2036          | 2047        | 2050         | rBV3     | 98804          | 280927        | 1.98%           | 0.583%        |
| 26        | 14.678      | 2102          | 2109        | 2113         | rBV2     | 143842         | 360930        | 2.54%           | 0.749%        |
| 27        | 14.745      | 2114          | 2120        | 2130         | rVB3     | 273418         | 770577        | 5.42%           | 1.600%        |
| 28        | 14.836      | 2130          | 2135        | 2139         | rBV      | 134541         | 229151        | 1.61%           | 0.476%        |
| 29        | 14.952      | 2148          | 2154        | 2165         | rVB4     | 131960         | 395906        | 2.79%           | 0.822%        |
| 30        | 15.056      | 2166          | 2171        | 2178         | rVB3     | 84782          | 171080        | 1.20%           | 0.355%        |
| 31        | 15.239      | 2191          | 2201        | 2207         | rBV      | 1109082        | 1886193       | 13.28%          | 3.916%        |
| 32        | 15.434      | 2224          | 2233        | 2243         | rVB8     | 53196          | 199896        | 1.41%           | 0.415%        |
| 33        | 15.714      | 2274          | 2279        | 2283         | rBV2     | 79153          | 158837        | 1.12%           | 0.330%        |
| 34        | 15.836      | 2292          | 2299        | 2304         | rVV2     | 87352          | 210300        | 1.48%           | 0.437%        |
| 35        | 15.897      | 2306          | 2309        | 2324         | rVB5     | 68499          | 206688        | 1.46%           | 0.429%        |
| 36        | 16.233      | 2355          | 2364        | 2369         | rBV      | 148107         | 337058        | 2.37%           | 0.700%        |

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Sample : 04805-06  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
M-1(0-5)

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\82Y100923S.M  
Title : SW846 8260

|    |        |      |      |      |     |         |         |        |        |
|----|--------|------|------|------|-----|---------|---------|--------|--------|
| 37 | 16.294 | 2369 | 2374 | 2384 | rVB | 243929  | 491034  | 3.46%  | 1.019% |
| 38 | 16.495 | 2398 | 2407 | 2416 | rBV | 1459532 | 3122327 | 21.98% | 6.482% |

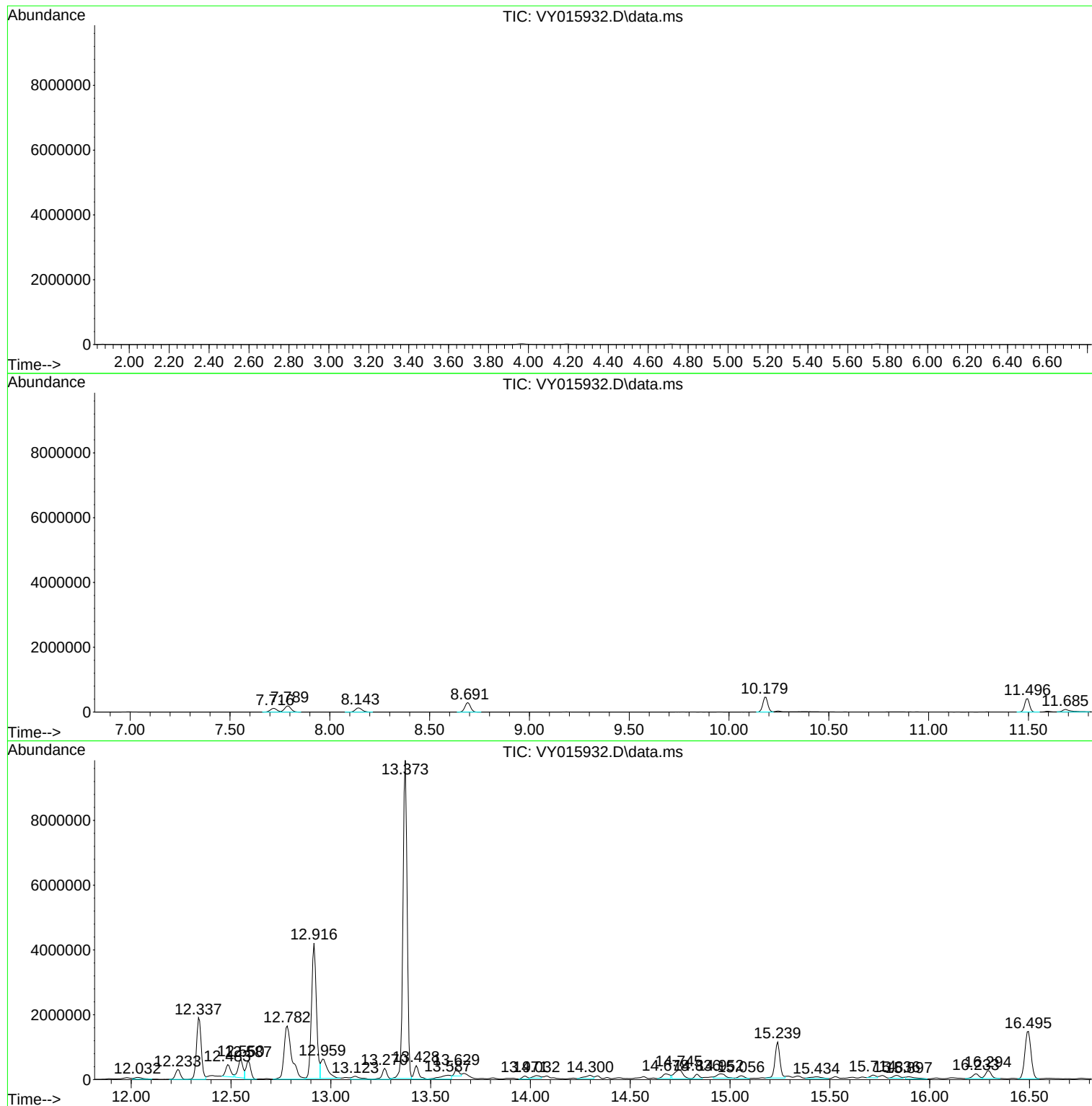
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MSVOA\_Y  
ClientSampleId :  
M-1(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100923S.M  
Quant Title : SW846 8260

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



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ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
M-1(0-5)

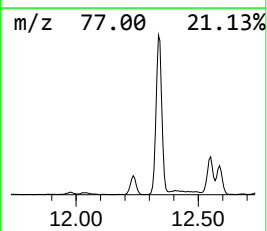
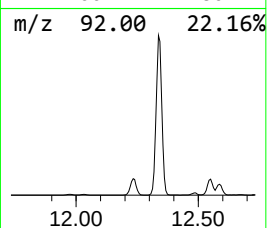
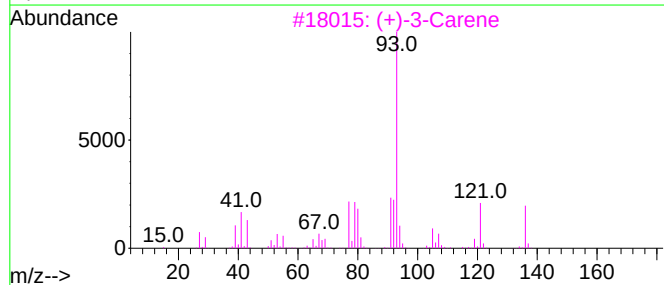
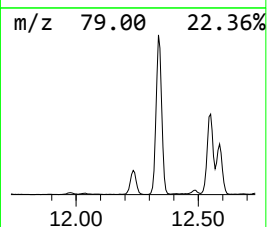
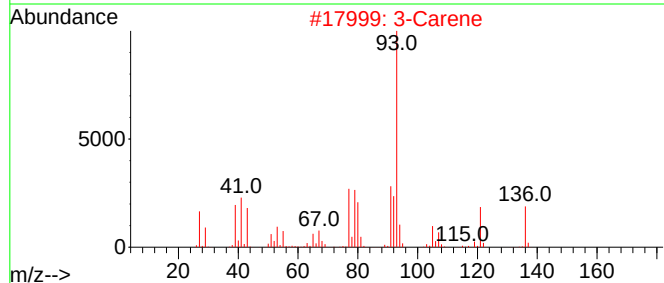
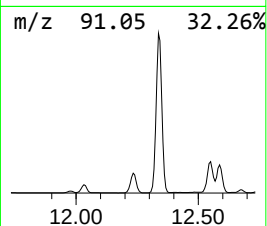
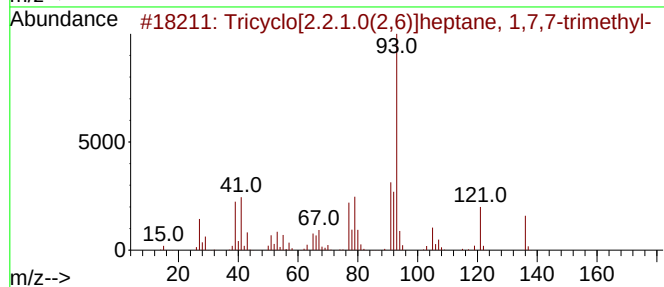
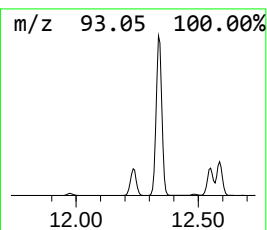
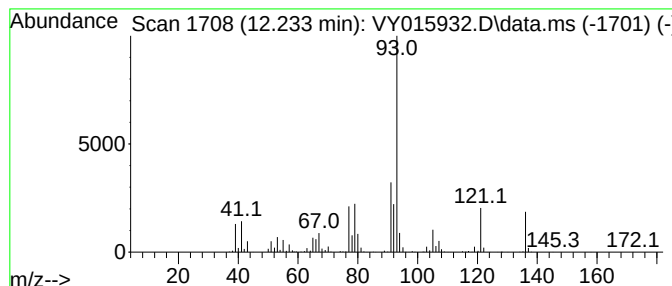
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100923S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Tricyclo[2.2.1.0(2,6)]hepta... Concentration Rank 10

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 12.233    | 36.84 ug/l                          | 516803 | Chlorobenzene-d5 | 11.496      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Tricyclo[2.2.1.0(2,6)]heptane, 1... | 136    | C10H16           | 000508-32-7 | 96   |
| 2         | 3-Carene                            | 136    | C10H16           | 013466-78-9 | 94   |
| 3         | (+)-3-Carene                        | 136    | C10H16           | 000498-15-7 | 94   |
| 4         | (1S)-2,6,6-Trimethylbicyclo[3.1.... | 136    | C10H16           | 007785-26-4 | 94   |
| 5         | .gamma.-Terpinene                   | 136    | C10H16           | 000099-85-4 | 91   |



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Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
M-1(0-5)

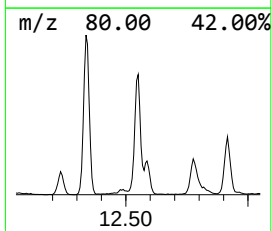
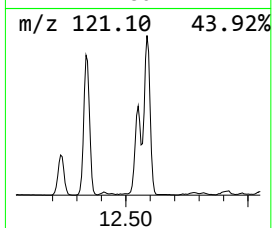
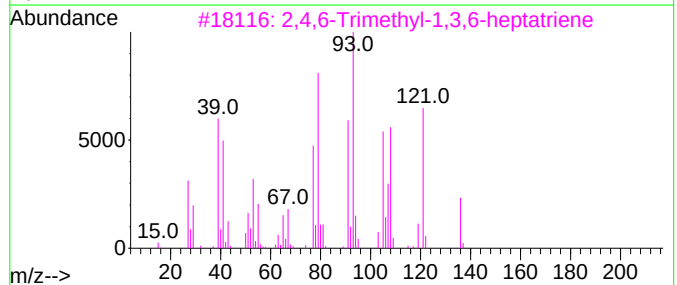
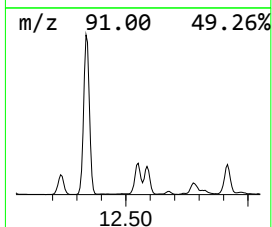
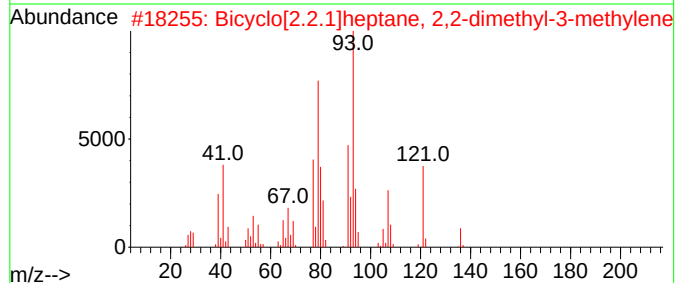
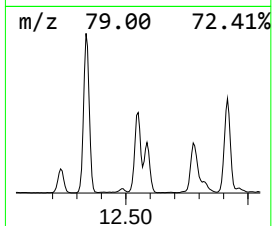
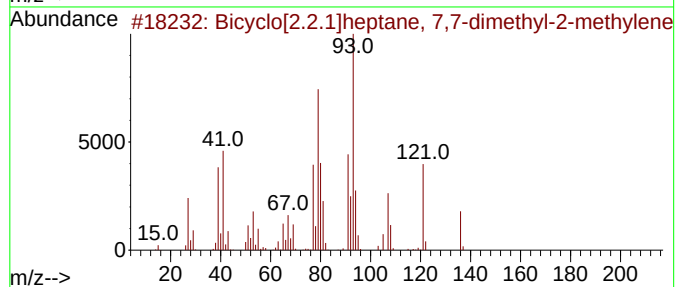
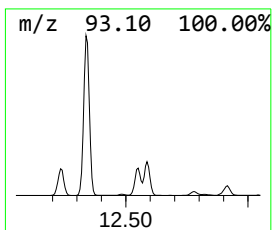
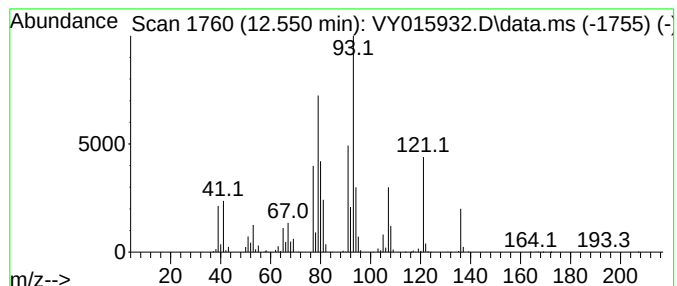
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100923S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Bicyclo[2.2.1]heptane, 7,7-... Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.550 | 74.08 ug/l | 980596 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Bicyclo[2.2.1]heptane, 7,7-dimet... | 136 | C10H16  | 000471-84-1 | 96   |
| 2    |    |   | Bicyclo[2.2.1]heptane, 2,2-dimet... | 136 | C10H16  | 005794-03-6 | 91   |
| 3    |    |   | 2,4,6-Trimethyl-1,3,6-heptatriene   | 136 | C10H16  | 024648-33-7 | 64   |
| 4    |    |   | Cyclohexane, 1-methylene-4-(1-me... | 136 | C10H16  | 000499-97-8 | 58   |
| 5    |    |   | Bicyclo[2.2.1]heptane, 2,2-dimet... | 136 | C10H16  | 000497-32-5 | 55   |



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
M-1(0-5)

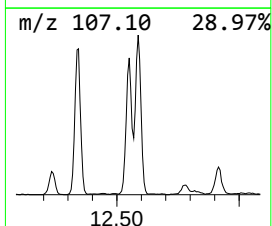
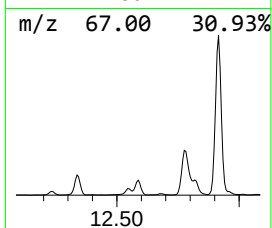
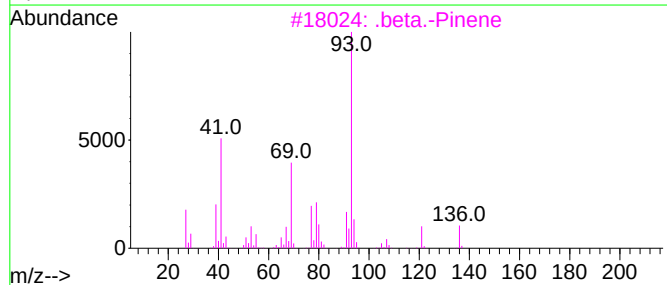
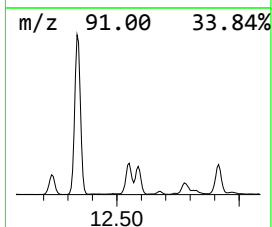
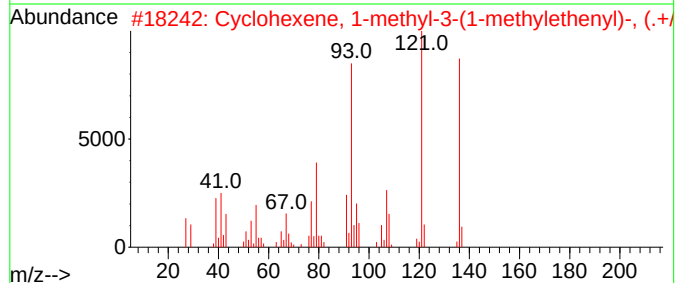
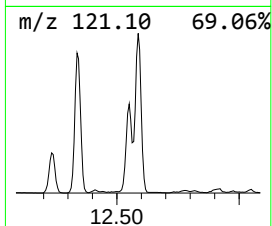
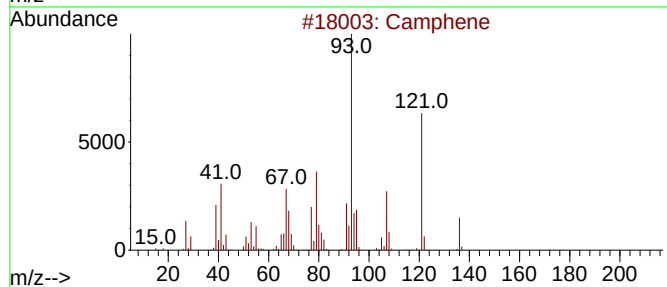
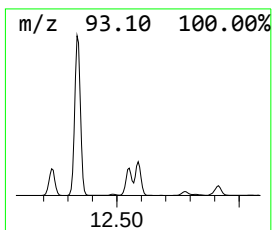
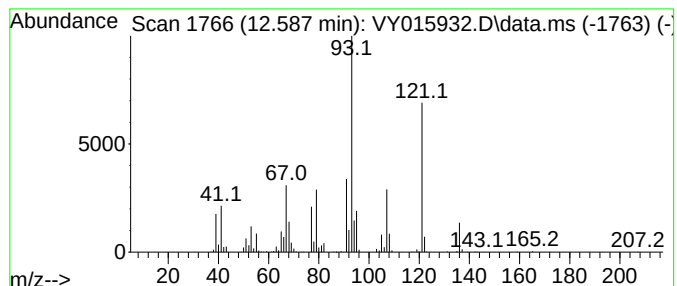
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100923S.M  
Quant Title : SW846 8260

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

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Peak Number 3 Camphene Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.587 | 65.24 ug/l | 863509 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Camphene                            | 136 | C10H16  | 000079-92-5 | 95   |
| 2    |    |   | Cyclohexene, 1-methyl-3-(1-methy... | 136 | C10H16  | 000499-03-6 | 90   |
| 3    |    |   | .beta.-Pinene                       | 136 | C10H16  | 000127-91-3 | 74   |
| 4    |    |   | Bicyclo[3.1.1]heptane, 6,6-dimet... | 136 | C10H16  | 018172-67-3 | 72   |
| 5    |    |   | 2-Carene                            | 136 | C10H16  | 000554-61-0 | 68   |



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
M-1(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100923S.M  
Quant Title : SW846 8260

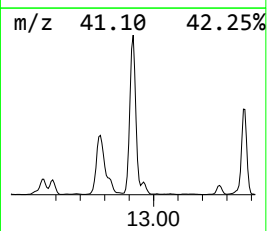
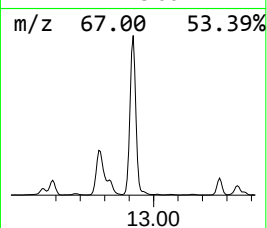
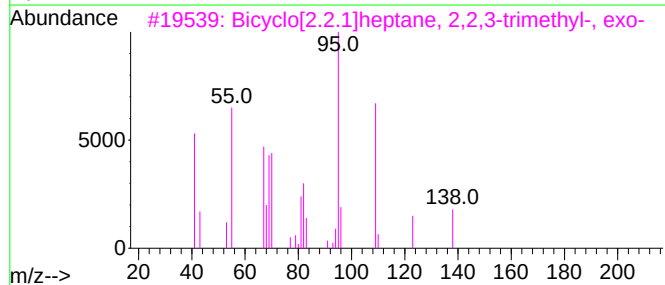
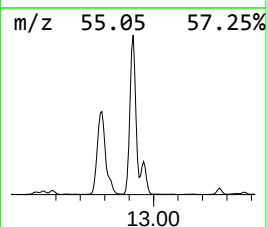
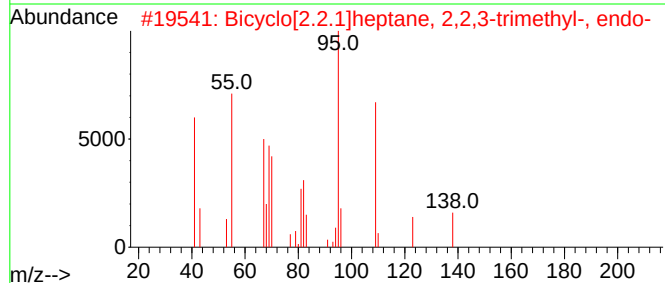
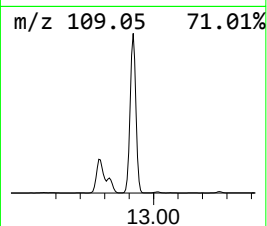
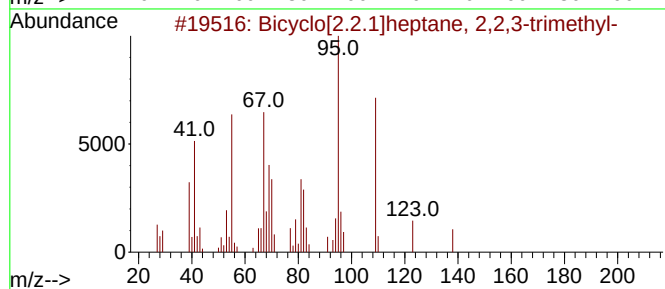
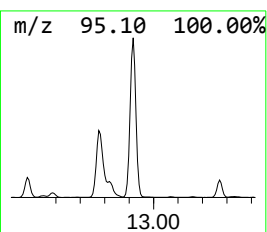
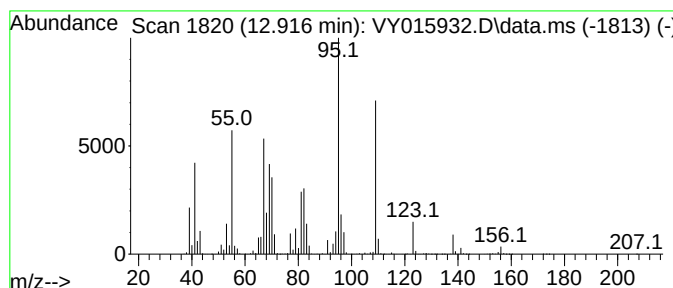
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 1

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 12.916 | 546.44 ug/l | 7232880 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Bicyclo[2.2.1]heptane, 2,2,3-tri... | 138 | C10H18  | 000473-19-8 | 97   |
| 2    |    |   | Bicyclo[2.2.1]heptane, 2,2,3-tri... | 138 | C10H18  | 020536-40-7 | 93   |
| 3    |    |   | Bicyclo[2.2.1]heptane, 2,2,3-tri... | 138 | C10H18  | 020536-41-8 | 87   |
| 4    |    |   | Bicyclo[2.2.1]heptane, 1,3,3-tri... | 138 | C10H18  | 006248-88-0 | 60   |
| 5    |    |   | Cyclohexene, 3-methyl-6-(1-methy... | 138 | C10H18  | 001124-26-1 | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101123\  
Data File : VY015932.D  
Acq On : 11 Oct 2023 18:29  
Operator : SY/MD  
Sample : 04805-06  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
M-1(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100923S.M  
Quant Title : SW846 8260

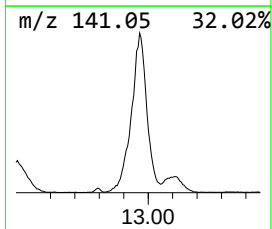
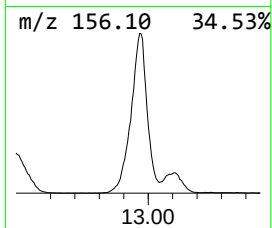
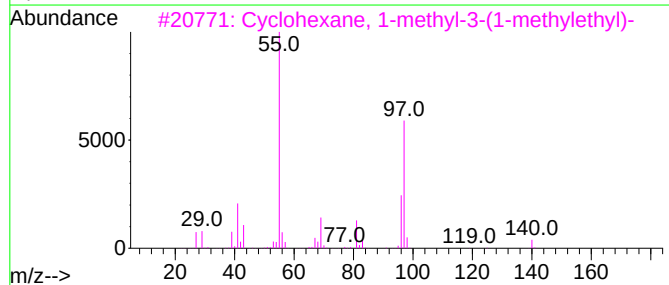
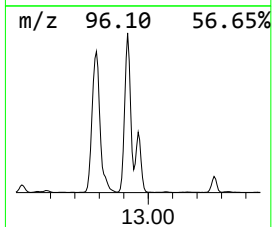
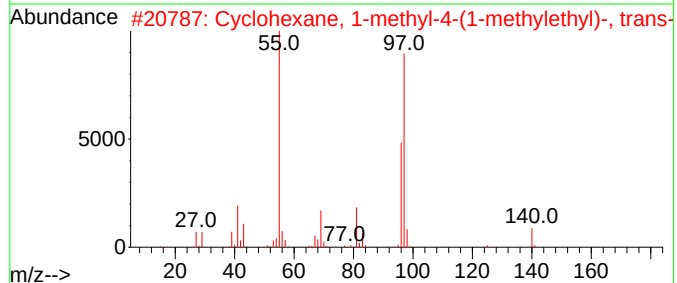
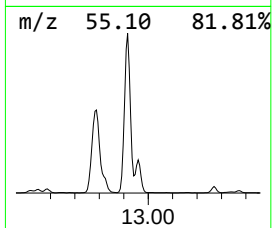
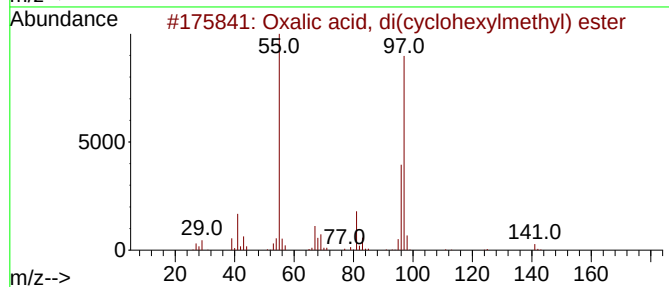
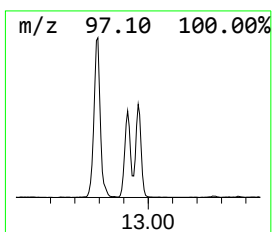
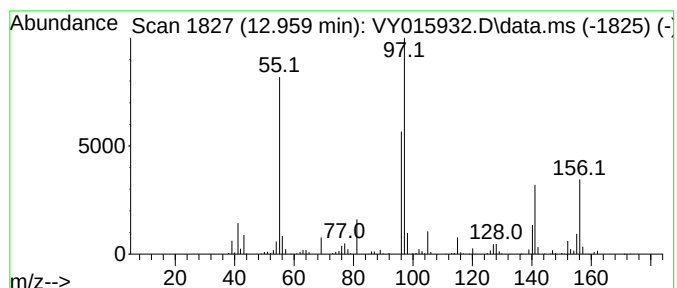
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Oxalic acid, di(cyclohexylm... Concentration Rank 4

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 12.959 | 99.31 ug/l | 1314470 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                            | MW       | MolForm      | CAS# | Qual |
|------|----|---|-----------------------------------------|----------|--------------|------|------|
| 1    |    |   | Oxalic acid, di(cyclohexylmethyl... 282 | C16H26O4 | 1000309-68-5 | 59   |      |
| 2    |    |   | Cyclohexane, 1-methyl-4-(1-methy... 140 | C10H20   | 001678-82-6  | 58   |      |
| 3    |    |   | Cyclohexane, 1-methyl-3-(1-methy... 140 | C10H20   | 016580-24-8  | 53   |      |
| 4    |    |   | Cyclohexane, 1-methyl-4-(1-methy... 140 | C10H20   | 006069-98-3  | 53   |      |
| 5    |    |   | 1-Methyl-4-(1-methylethyl)-cyclo... 140 | C10H20   | 000099-82-1  | 50   |      |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101123\  
Data File : VY015932.D  
Acq On : 11 Oct 2023 18:29  
Operator : SY/MD  
Sample : 04805-06  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
M-1(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100923S.M  
Quant Title : SW846 8260

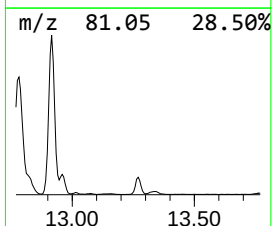
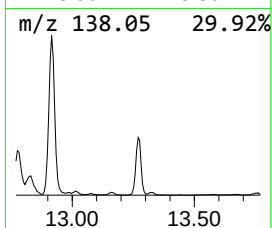
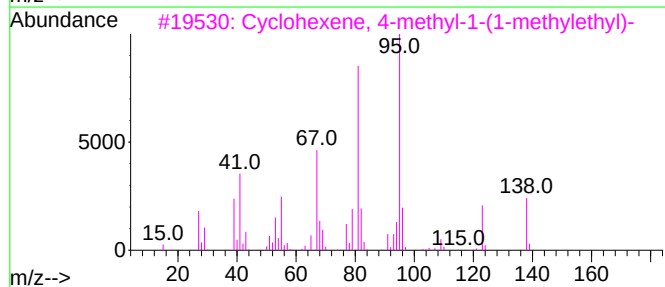
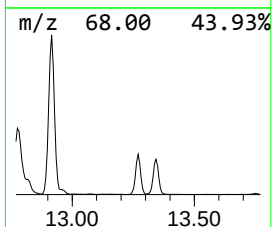
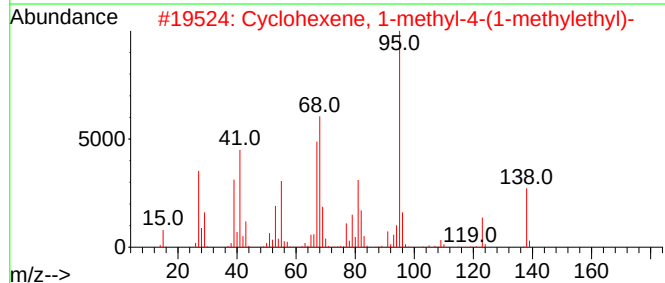
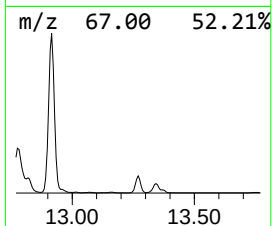
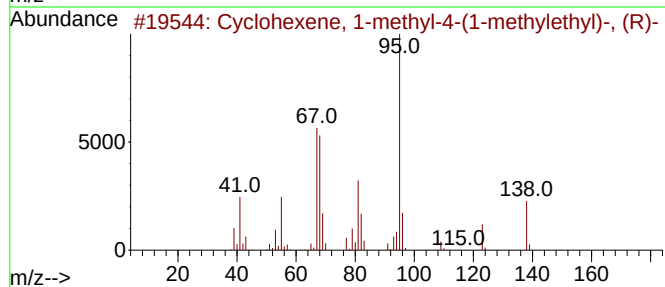
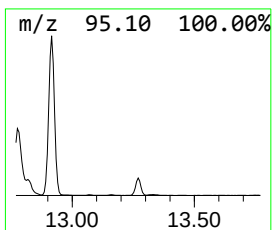
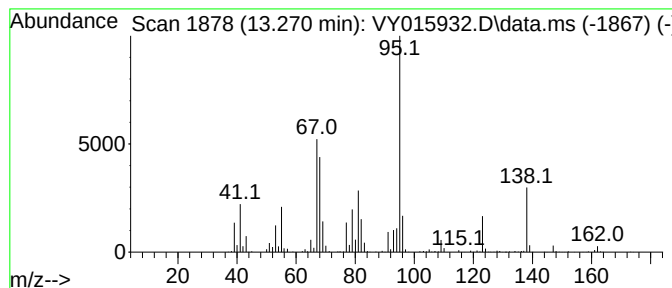
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.270 | 42.11 ug/l | 557382 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexene, 1-methyl-4-(1-methy... | 138 | C10H18  | 001195-31-9 | 95   |
| 2    |    |   | Cyclohexene, 1-methyl-4-(1-methy... | 138 | C10H18  | 005502-88-5 | 93   |
| 3    |    |   | Cyclohexene, 4-methyl-1-(1-methy... | 138 | C10H18  | 000500-00-5 | 72   |
| 4    |    |   | m-Menth-6-ene, (R)-(+)-             | 138 | C10H18  | 013837-70-2 | 72   |
| 5    |    |   | Cyclohexene, 3-methyl-6-(1-methy... | 138 | C10H18  | 001124-26-1 | 70   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101123\  
Data File : VY015932.D  
Acq On : 11 Oct 2023 18:29  
Operator : SY/MD  
Sample : 04805-06  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
M-1(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100923S.M  
Quant Title : SW846 8260

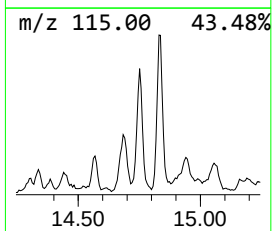
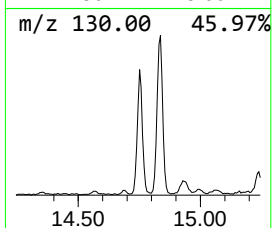
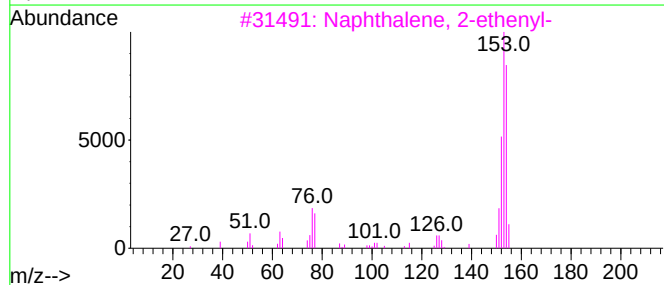
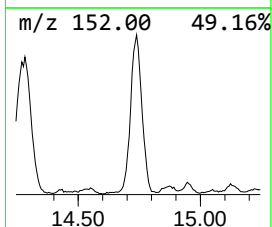
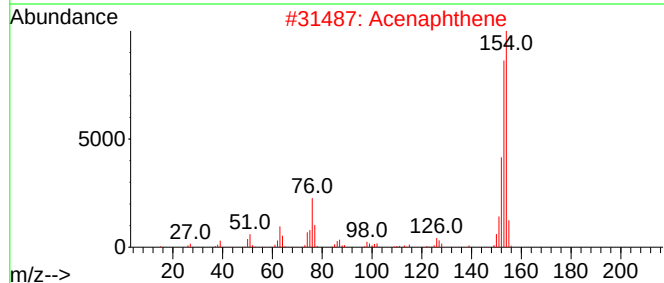
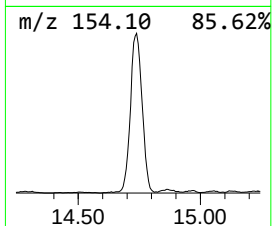
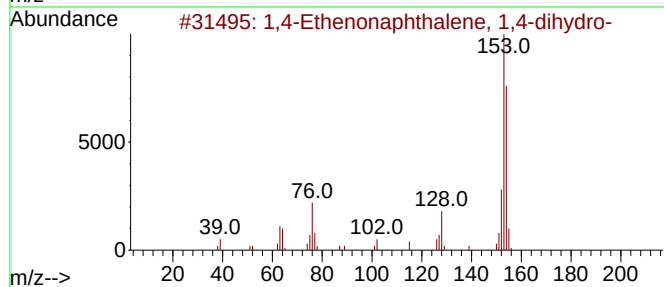
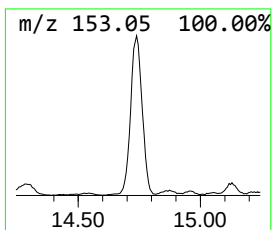
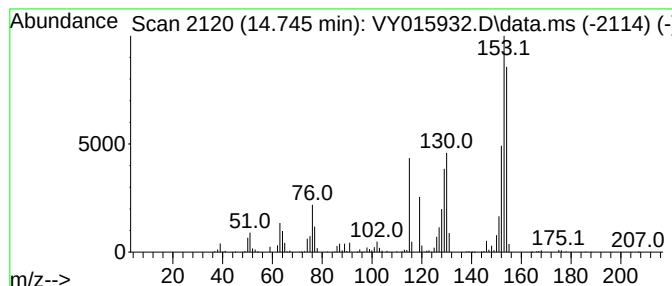
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 1,4-Ethenonaphthalene, 1,4-... Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.745 | 58.22 ug/l | 770577 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 1,4-Ethenonaphthalene, 1,4-dihydro- | 154 | C12H10       | 007322-47-6  | 70      |      |      |
| 2    | Acenaphthene                        | 154 | C12H10       | 000083-32-9  | 50      |      |      |
| 3    | Naphthalene, 2-ethenyl-             | 154 | C12H10       | 000827-54-3  | 46      |      |      |
| 4    | Hexa-2,4-diyne-1-ylbenzene          | 154 | C12H10       | 000520-74-1  | 35      |      |      |
| 5    | 1,3-Cyclohexadiene-5-ol, 1-phenyl-  | 172 | C12H12O      | 1000159-61-9 | 27      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101123\  
Data File : VY015932.D  
Acq On : 11 Oct 2023 18:29  
Operator : SY/MD  
Sample : 04805-06  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
M-1(0-5)

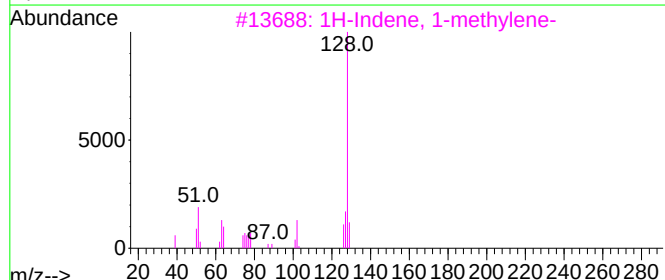
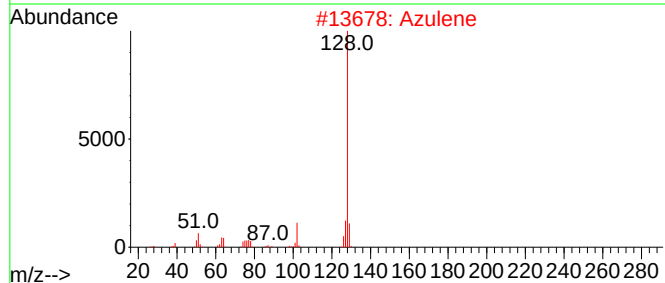
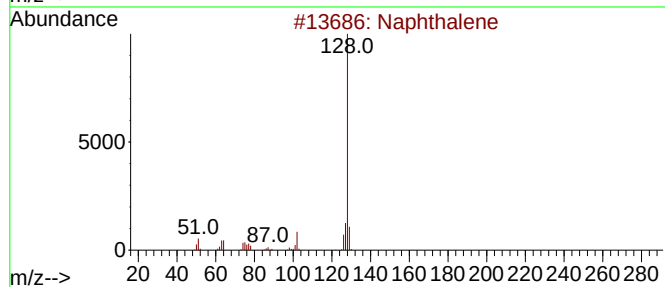
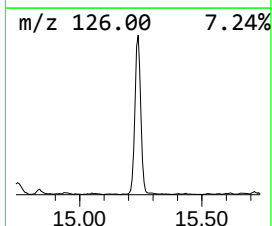
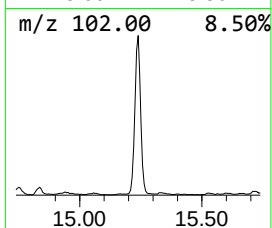
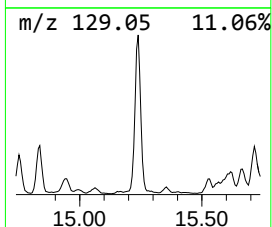
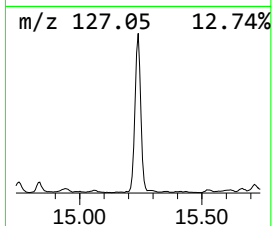
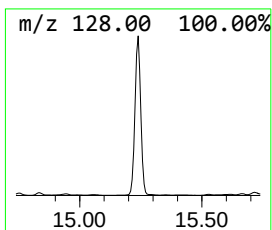
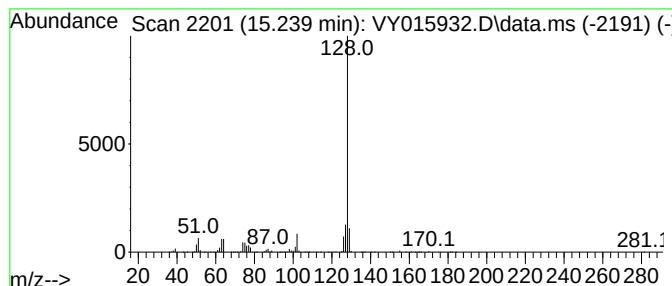
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Quant Title : SW846 8260

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

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Peak Number 8 Azulene Concentration Rank 3

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.239 | 142.50 ug/l | 1886190 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Naphthalene                         | 128 | C10H8     | 000091-20-3 | 95   |
| 2    |    |   | Azulene                             | 128 | C10H8     | 000275-51-4 | 93   |
| 3    |    |   | 1H-Indene, 1-methylene-             | 128 | C10H8     | 002471-84-3 | 86   |
| 4    |    |   | 4a,8a-(Methaniminomethano)naphth... | 275 | C18H13NO2 | 069915-10-2 | 78   |
| 5    |    |   | 1,3-Dicyanobenzene                  | 128 | C8H4N2    | 000626-17-5 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101123\  
Data File : VY015932.D  
Acq On : 11 Oct 2023 18:29  
Operator : SY/MD  
Sample : 04805-06  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
M-1(0-5)

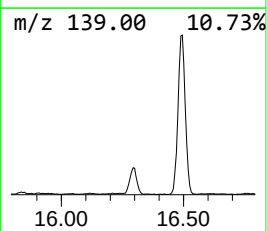
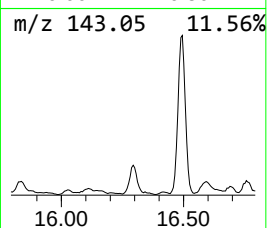
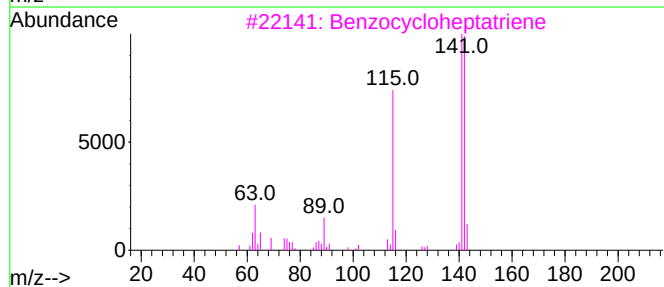
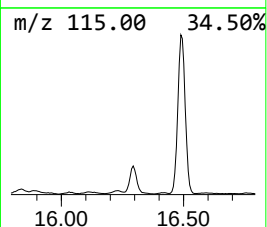
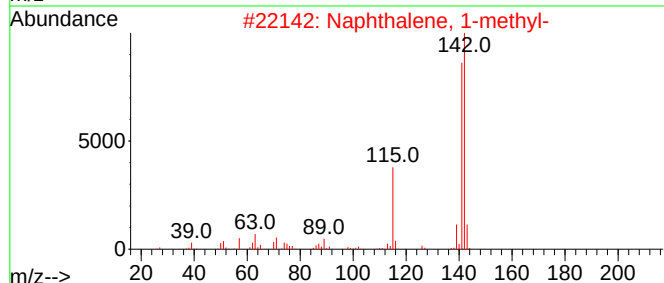
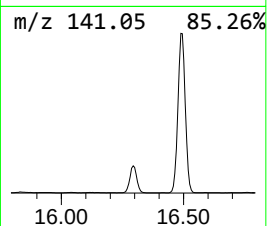
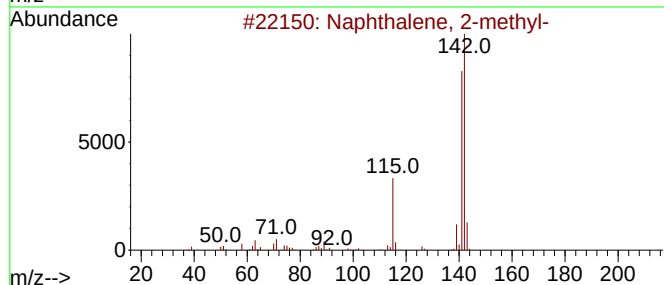
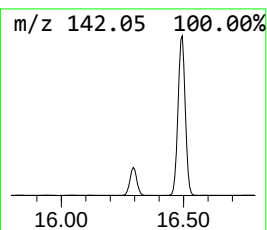
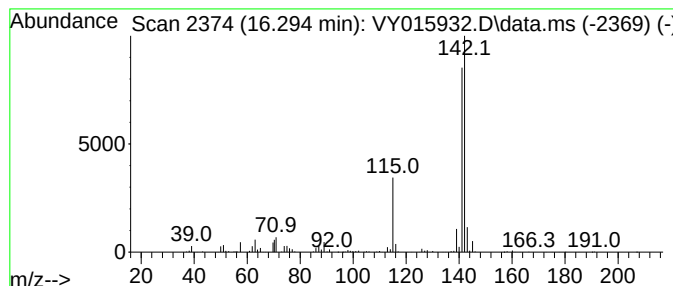
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100923S.M  
Quant Title : SW846 8260

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

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Peak Number 9 Benzocycloheptatriene Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.294 | 37.10 ug/l | 491034 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 95   |
| 3    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 90   |
| 4    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 86   |
| 5    |    |   | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101123\  
Data File : VY015932.D  
Acq On : 11 Oct 2023 18:29  
Operator : SY/MD  
Sample : 04805-06  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
M-1(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100923S.M  
Quant Title : SW846 8260

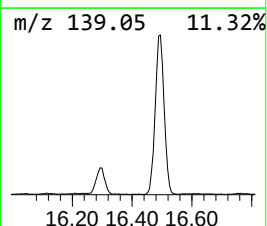
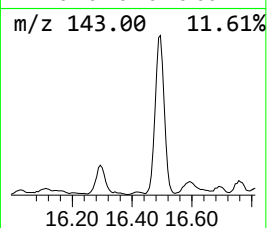
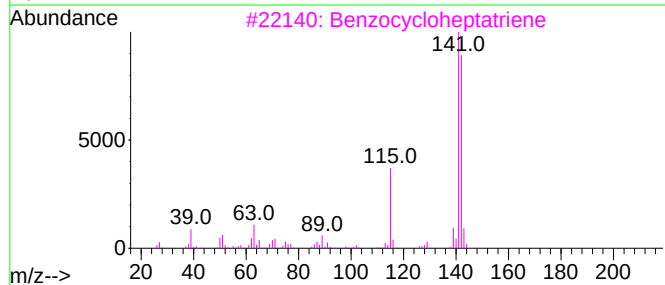
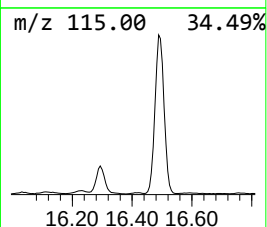
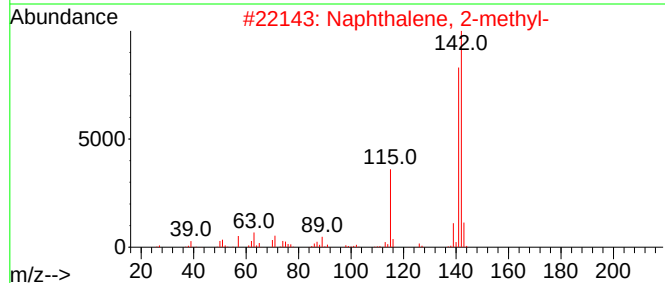
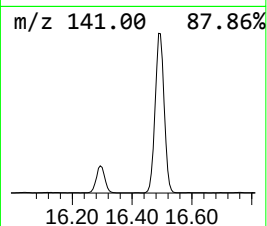
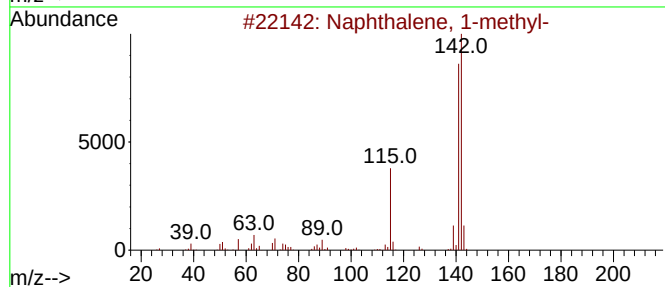
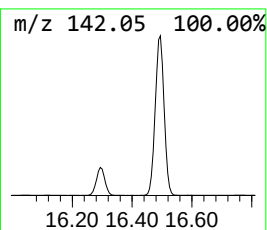
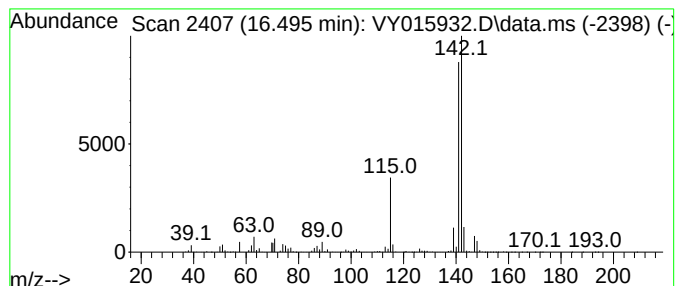
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 1,4-Methanonaphthalene, 1,4... Concentration Rank 2

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 16.495 | 235.89 ug/l | 3122330 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 2    |      | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 3    |      | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 91   |
| 4    |      | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 90   |
| 5    |      | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101123\  
Data File : VY015932.D  
Acq On : 11 Oct 2023 18:29  
Operator : SY/MD  
Sample : 04805-06  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
M-1(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100923S.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 |
| Tricyclo[2.2.1]... | 12.233 | 36.8    | ug/l  | 516803   | 3                     | 11.496 | 701327 | 50.0 |
| Bicyclo[2.2.1]h... | 12.550 | 74.1    | ug/l  | 980596   | 4                     | 13.428 | 661820 | 50.0 |
| Camphene           | 12.587 | 65.2    | ug/l  | 863509   | 4                     | 13.428 | 661820 | 50.0 |
| Bicyclo[2.2.1]h... | 12.916 | 546.4   | ug/l  | 7232880  | 4                     | 13.428 | 661820 | 50.0 |
| Oxalic acid, di... | 12.959 | 99.3    | ug/l  | 1314470  | 4                     | 13.428 | 661820 | 50.0 |
| Cyclohexene, 1-... | 13.270 | 42.1    | ug/l  | 557382   | 4                     | 13.428 | 661820 | 50.0 |
| 1,4-Ethenonapht... | 14.745 | 58.2    | ug/l  | 770577   | 4                     | 13.428 | 661820 | 50.0 |
| Azulene            | 15.239 | 142.5   | ug/l  | 1886190  | 4                     | 13.428 | 661820 | 50.0 |
| Benzocyclohepta... | 16.294 | 37.1    | ug/l  | 491034   | 4                     | 13.428 | 661820 | 50.0 |
| 1,4-Methanonaph... | 16.495 | 235.9   | ug/l  | 3122330  | 4                     | 13.428 | 661820 | 50.0 |