

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040424\  
 Data File : VY017846.D  
 Acq On : 04 Apr 2024 12:01  
 Operator : SY/MD  
 Sample : P1974-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SOIL-1

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\82Y032924S.M  
 Title : SW846 8260

Signal : TIC: VY017846.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         | 2.522       | 110           | 115         | 118          | rBV6     | 3447           | 6402          | 1.96%           | 0.326%        |
| 2         | 4.217       | 384           | 393         | 401          | rBV4     | 1248           | 3356          | 1.03%           | 0.171%        |
| 3         | 4.741       | 469           | 479         | 490          | rVB4     | 3036           | 9624          | 2.94%           | 0.490%        |
| 4         | 6.990       | 839           | 848         | 860          | rBV2     | 3052           | 10166         | 3.11%           | 0.518%        |
| 5         | 7.734       | 961           | 970         | 975          | rBV2     | 45319          | 108154        | 33.09%          | 5.512%        |
| 6         | 7.801       | 975           | 981         | 993          | rVB      | 82442          | 188248        | 57.60%          | 9.593%        |
| 7         | 8.155       | 1028          | 1039        | 1051         | rBV      | 35600          | 81924         | 25.07%          | 4.175%        |
| 8         | 8.704       | 1121          | 1129        | 1141         | rVB      | 123299         | 239732        | 73.35%          | 12.217%       |
| 9         | 9.758       | 1296          | 1302        | 1311         | rBV7     | 2209           | 4768          | 1.46%           | 0.243%        |
| 10        | 10.191      | 1366          | 1373        | 1383         | rBV      | 188537         | 326833        | 100.00%         | 16.656%       |
| 11        | 10.593      | 1434          | 1439        | 1442         | rBV2     | 2615           | 4906          | 1.50%           | 0.250%        |
| 12        | 10.953      | 1494          | 1498        | 1502         | rBV5     | 2807           | 4702          | 1.44%           | 0.240%        |
| 13        | 11.106      | 1520          | 1523        | 1528         | rVB6     | 2468           | 3791          | 1.16%           | 0.193%        |
| 14        | 11.502      | 1581          | 1588        | 1599         | rBV      | 157056         | 269645        | 82.50%          | 13.742%       |
| 15        | 11.752      | 1625          | 1629        | 1633         | rBV4     | 4101           | 6759          | 2.07%           | 0.344%        |
| 16        | 12.014      | 1666          | 1672        | 1679         | rBV6     | 7428           | 20035         | 6.13%           | 1.021%        |
| 17        | 12.215      | 1702          | 1705        | 1708         | rVV3     | 12551          | 22074         | 6.75%           | 1.125%        |
| 18        | 12.246      | 1708          | 1710        | 1721         | rVV6     | 13761          | 31970         | 9.78%           | 1.629%        |
| 19        | 12.349      | 1723          | 1727        | 1731         | rVB6     | 7112           | 11504         | 3.52%           | 0.586%        |
| 20        | 12.496      | 1746          | 1751        | 1757         | rBV      | 111279         | 178329        | 54.56%          | 9.088%        |
| 21        | 12.654      | 1774          | 1777        | 1786         | rVB7     | 9600           | 18135         | 5.55%           | 0.924%        |
| 22        | 12.745      | 1787          | 1792        | 1796         | rBV8     | 4595           | 9672          | 2.96%           | 0.493%        |
| 23        | 12.825      | 1799          | 1805        | 1810         | rBV9     | 7733           | 18344         | 5.61%           | 0.935%        |
| 24        | 13.050      | 1840          | 1842        | 1850         | rVB9     | 6366           | 11540         | 3.53%           | 0.588%        |
| 25        | 13.136      | 1852          | 1856        | 1860         | rBV6     | 6379           | 12267         | 3.75%           | 0.625%        |
| 26        | 13.440      | 1900          | 1906        | 1915         | rBV      | 118483         | 212284        | 64.95%          | 10.818%       |
| 27        | 13.642      | 1936          | 1939        | 1943         | rBV3     | 8115           | 13308         | 4.07%           | 0.678%        |
| 28        | 15.251      | 2199          | 2203        | 2210         | rVB      | 21913          | 43415         | 13.28%          | 2.212%        |
| 29        | 15.330      | 2213          | 2216        | 2220         | rBV2     | 11119          | 15048         | 4.60%           | 0.767%        |
| 30        | 15.538      | 2245          | 2250        | 2267         | rVB6     | 23974          | 75332         | 23.05%          | 3.839%        |

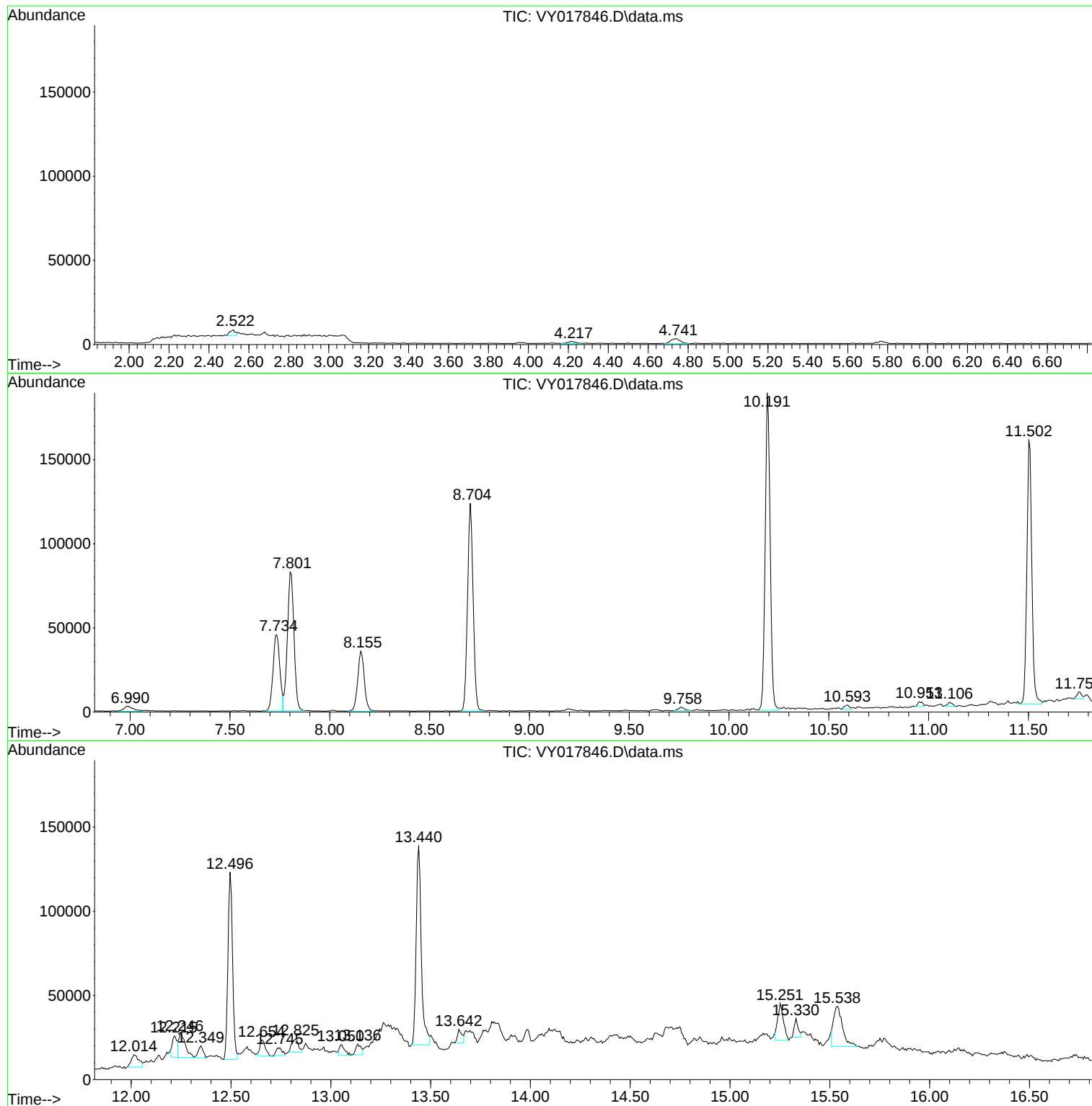
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032924S.M  
Quant Title : SW846 8260

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



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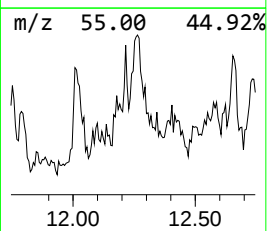
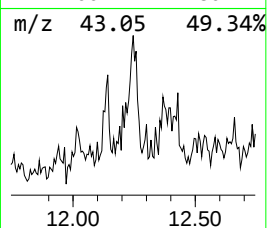
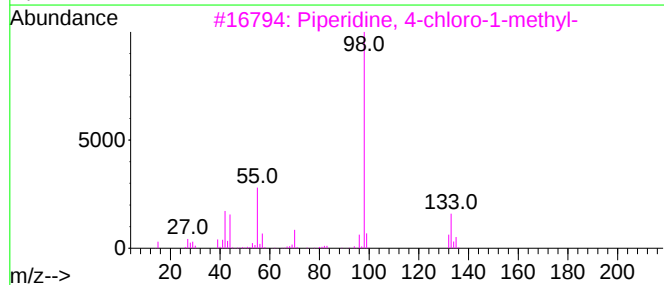
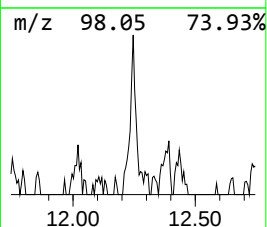
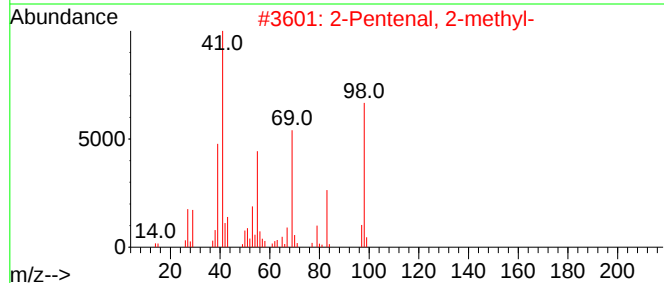
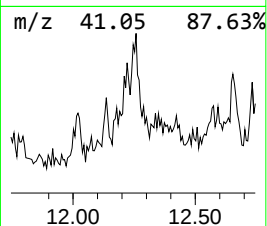
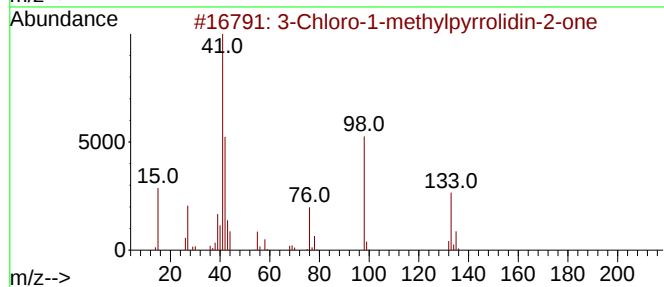
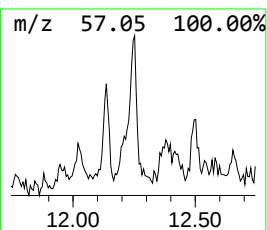
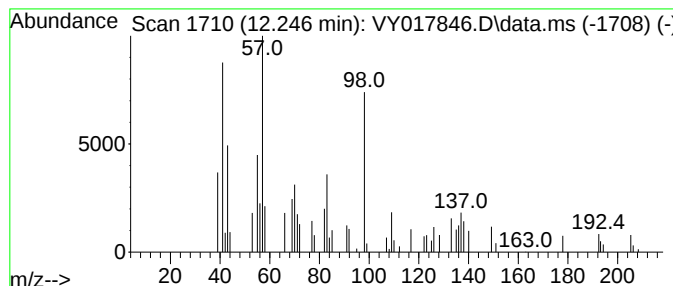
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032924S.M  
Quant Title : SW846 8260

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

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Peak Number 1 unknown12.246 Concentration Rank 3

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 12.246 | 5.93 ug/l | 31970 | Chlorobenzene-d5 | 11.508 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 3-Chloro-1-methylpyrrolidin-2-one   | 133 | C5H8ClNO | 1000487-04-2 | 47   |
| 2    |    |   | 2-Pentenal, 2-methyl-               | 98  | C6H10O   | 000623-36-9  | 43   |
| 3    |    |   | Piperidine, 4-chloro-1-methyl-      | 133 | C6H12ClN | 005570-77-4  | 43   |
| 4    |    |   | 5-(2-Methyl propyl)-1H-1,2,4-tri... | 140 | C6H12N4  | 076955-95-8  | 43   |
| 5    |    |   | 3-Isoxazoline, 5-methyl-            | 98  | C4H6N2O  | 001072-67-9  | 43   |



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-1

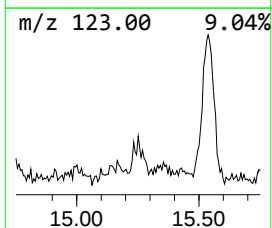
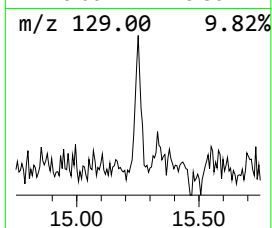
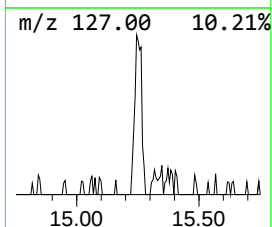
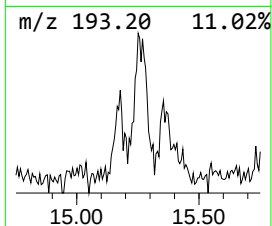
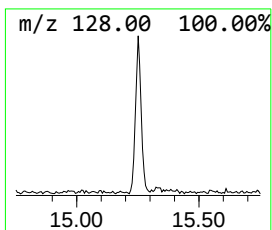
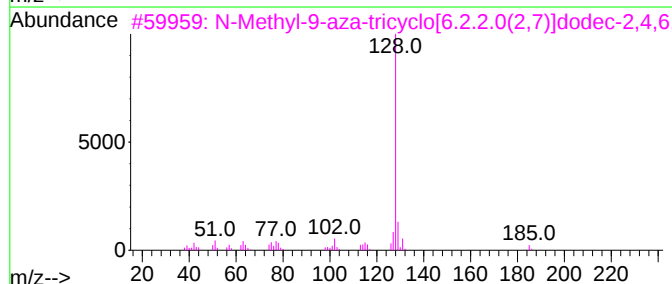
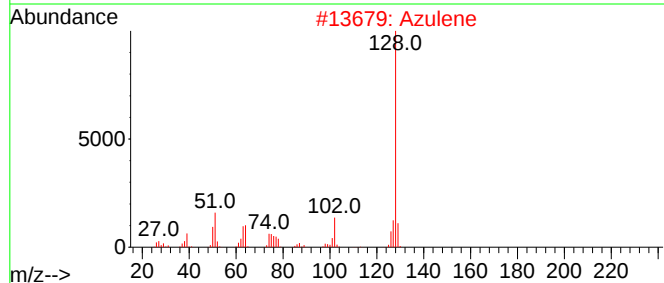
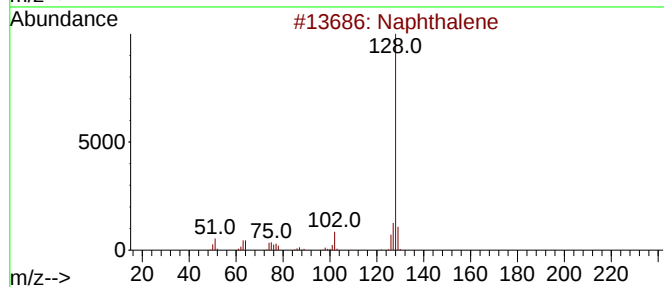
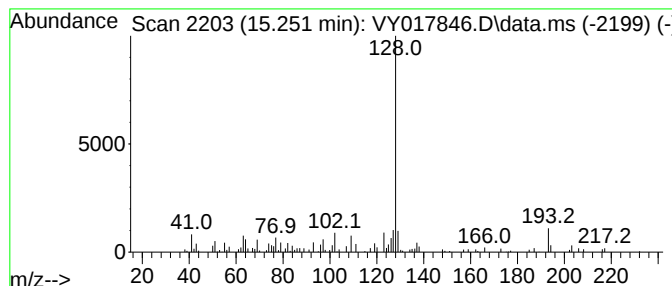
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Quant Title : SW846 8260

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

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Peak Number 2 Azulene Concentration Rank 2

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 15.251 | 10.23 ug/l | 43415 | 1,4-Dichlorobenzene-d4 | 13.441 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Naphthalene                         | 128 | C10H8     | 000091-20-3 | 93   |
| 2    |    |   | Azulene                             | 128 | C10H8     | 000275-51-4 | 76   |
| 3    |    |   | N-Methyl-9-aza-tricyclo[6.2.2.0(... | 185 | C12H11NO  | 013131-19-6 | 64   |
| 4    |    |   | 4a,8a-(Methaniminomethano)naphth... | 275 | C18H13NO2 | 069915-10-2 | 59   |
| 5    |    |   | Fluorohydroquinone                  | 128 | C6H5FO2   | 055660-73-6 | 59   |



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Sample : P1974-01  
Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032924S.M  
Quant Title : SW846 8260

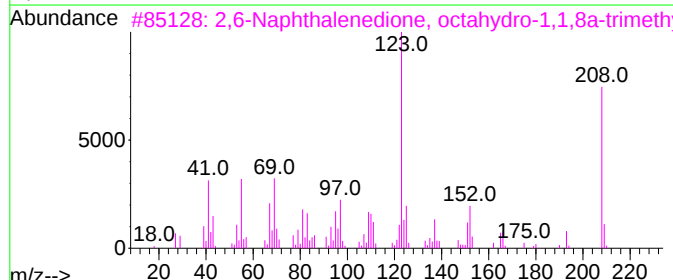
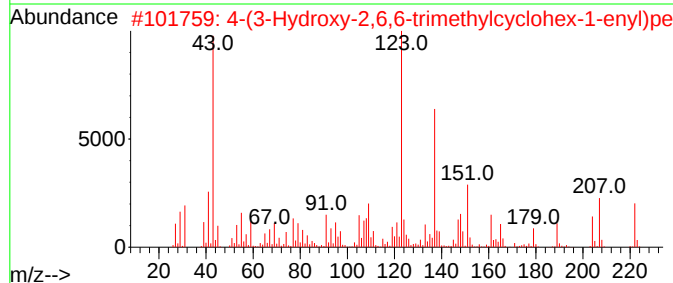
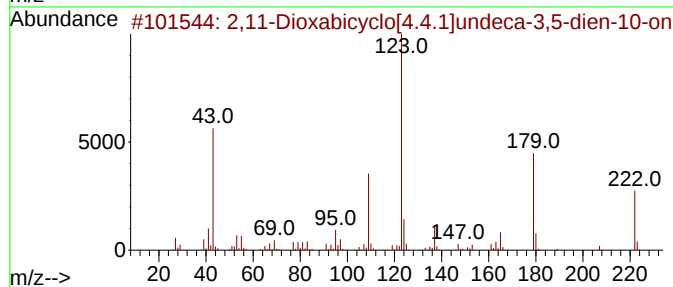
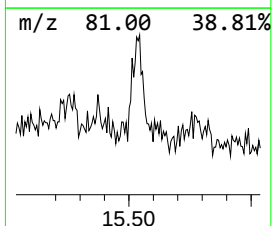
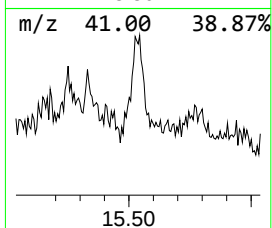
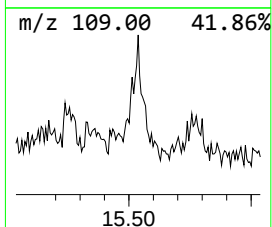
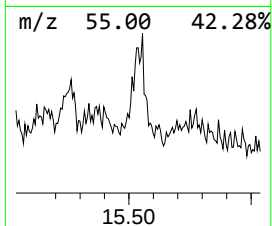
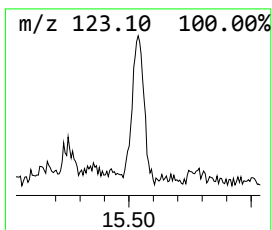
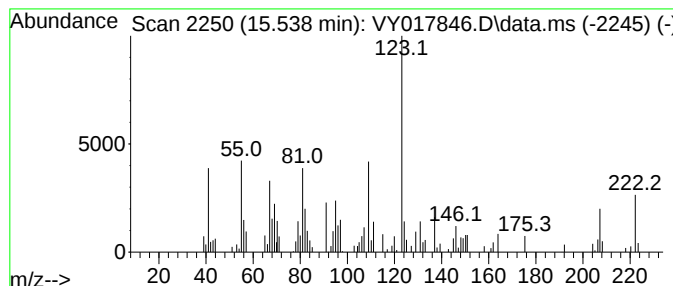
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 2,11-Dioxabicyclo[4.4.1]und... Concentration Rank 1

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 15.538 | 17.74 ug/l | 75332 | 1,4-Dichlorobenzene-d4 | 13.441 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 2,11-Dioxabicyclo[4.4.1]undeca-3... | 222 | C13H18O3  | 070412-52-1  | 64   |
| 2    |    |   | 4-(3-Hydroxy-2,6,6-trimethylcycl... | 222 | C14H22O2  | 097306-57-5  | 59   |
| 3    |    |   | 2,6-Naphthalenedione, octahydro-... | 208 | C13H20O2  | 057289-17-5  | 55   |
| 4    |    |   | Salvial-4(14)-en-1-one              | 220 | C15H24O   | 073809-82-2  | 46   |
| 5    |    |   | Benzamide, 2-fluoro-N-(2-phenyle... | 313 | C20H24FNO | 1000451-54-4 | 38   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| unknown12.246      | 12.246 | 5.9     | ug/l  | 31970    | 3                     | 11.508 | 269645 | 50.0 |
| Azulene            | 15.251 | 10.2    | ug/l  | 43415    | 4                     | 13.441 | 212284 | 50.0 |
| 2,11-Dioxabicyc... | 15.538 | 17.7    | ug/l  | 75332    | 4                     | 13.441 | 212284 | 50.0 |