

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\  
 Data File : VY002566.D  
 Acq On : 05 May 2020 01:58  
 Operator : SY/MD  
 Sample : L2478-02  
 Misc : 6.36G/5ML/MSVOA Y/SOIL  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 FK-0D015-03-013

## 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\82Y043020S.M  
 Title : SW846 8260

Signal : TIC

| 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         | 7.748       | 976           | 986         | 991          | rBV2     | 169866         | 397150        | 4.39%           | 2.017%        |
| 2         | 7.815       | 991           | 997         | 1010         | rVB      | 410195         | 944282        | 10.43%          | 4.796%        |
| 3         | 8.169       | 1044          | 1055        | 1066         | rBV      | 227054         | 498911        | 5.51%           | 2.534%        |
| 4         | 8.711       | 1136          | 1144        | 1155         | rVB      | 633441         | 1229550       | 13.59%          | 6.245%        |
| 5         | 10.199      | 1379          | 1388        | 1395         | rBV      | 980730         | 1696055       | 18.74%          | 8.615%        |
| 6         | 10.949      | 1501          | 1511        | 1521         | rBV      | 55817          | 98617         | 1.09%           | 0.501%        |
| 7         | 11.504      | 1593          | 1602        | 1613         | rBV      | 900392         | 1435042       | 15.86%          | 7.289%        |
| 8         | 12.491      | 1758          | 1764        | 1775         | rBV      | 704551         | 1122615       | 12.40%          | 5.702%        |
| 9         | 13.131      | 1861          | 1869        | 1874         | rBV      | 60072          | 120440        | 1.33%           | 0.612%        |
| 10        | 13.436      | 1913          | 1919        | 1926         | rBV      | 937248         | 1444177       | 15.96%          | 7.335%        |
| 11        | 13.540      | 1930          | 1936        | 1950         | rVB      | 6449285        | 9050558       | 100.00%         | 45.970%       |
| 12        | 13.912      | 1992          | 1997        | 2004         | rBV      | 86831          | 138146        | 1.53%           | 0.702%        |
| 13        | 14.113      | 2025          | 2030        | 2035         | rBV      | 221056         | 334050        | 3.69%           | 1.697%        |
| 14        | 14.162      | 2035          | 2038        | 2044         | rVV3     | 52941          | 99068         | 1.09%           | 0.503%        |
| 15        | 14.217      | 2044          | 2047        | 2053         | rVB      | 78892          | 115771        | 1.28%           | 0.588%        |
| 16        | 15.009      | 2173          | 2177        | 2182         | rVB2     | 67196          | 110349        | 1.22%           | 0.560%        |
| 17        | 15.857      | 2310          | 2316        | 2330         | rBV      | 349872         | 584880        | 6.46%           | 2.971%        |
| 18        | 15.985      | 2330          | 2337        | 2345         | rVB2     | 134118         | 268387        | 2.97%           | 1.363%        |

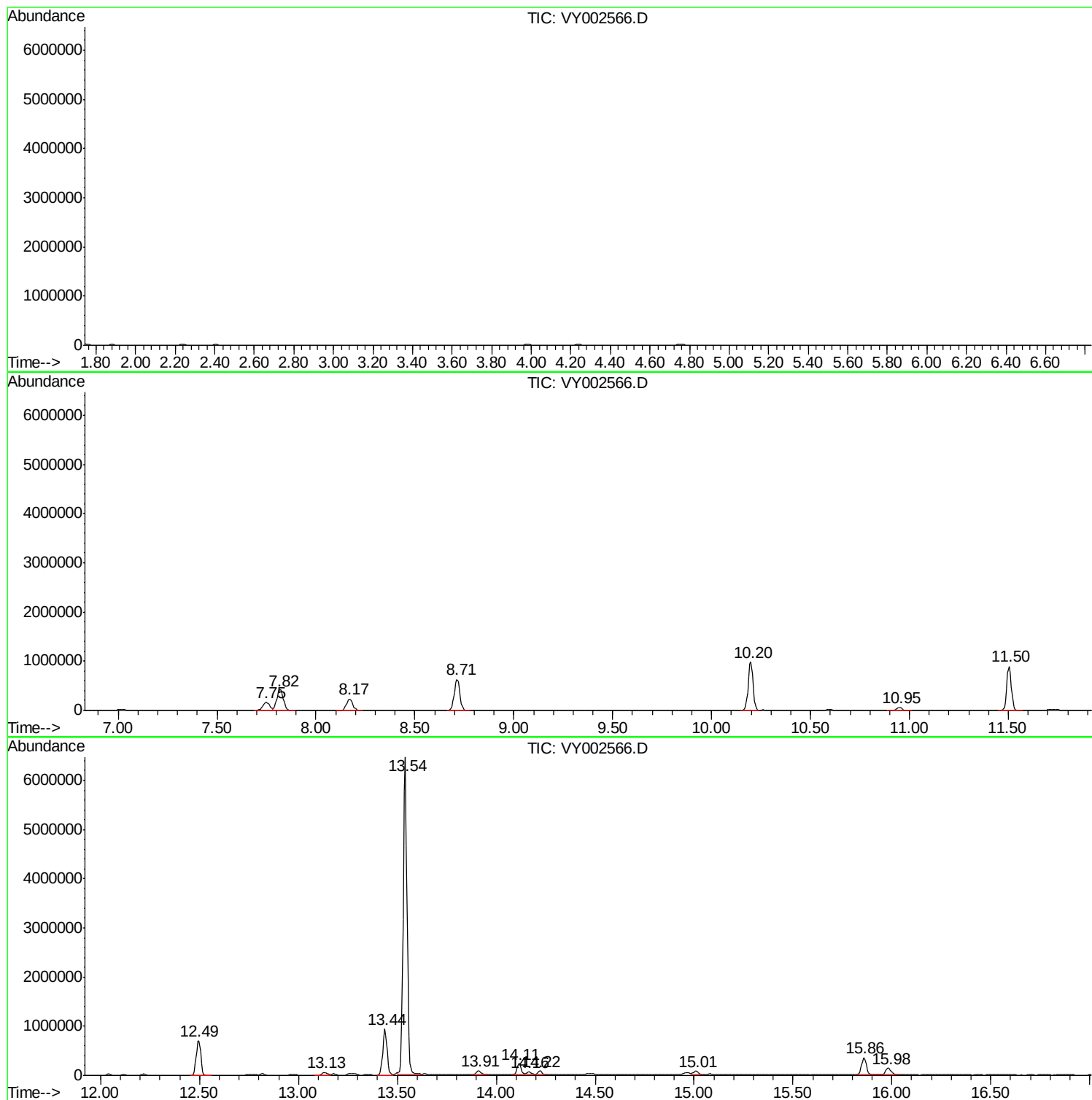
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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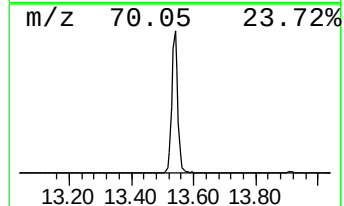
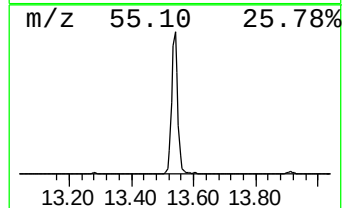
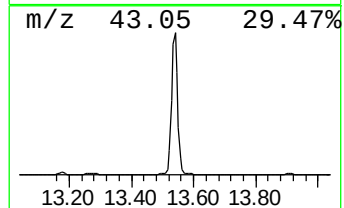
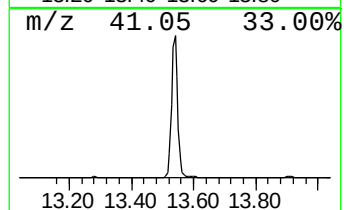
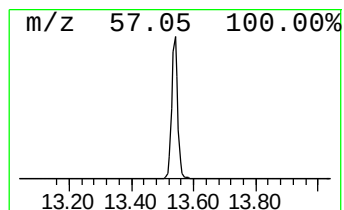
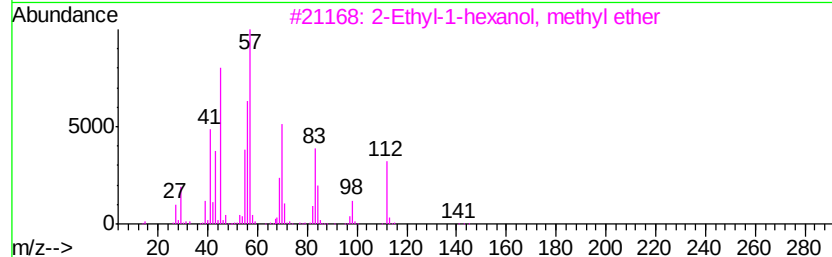
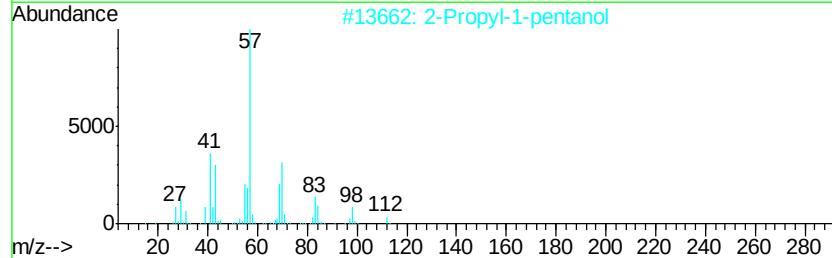
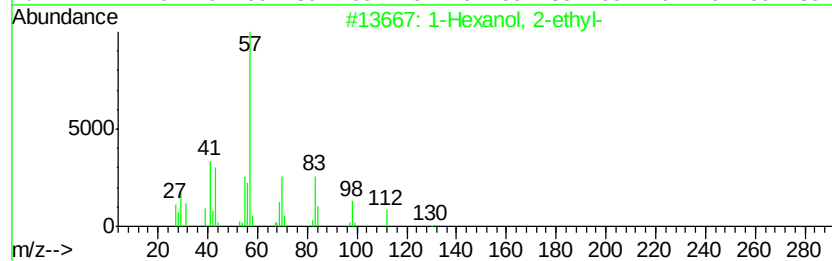
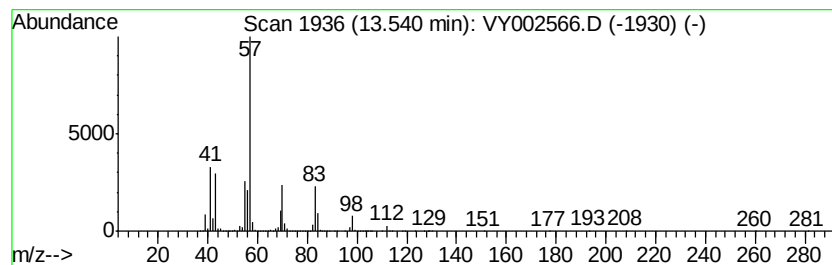
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 1-Hexanol, 2-ethyl- Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 13.54 | 313.35 ug/l | 9050560 | 1,4-Dichlorobenzene-d4 | 13.44 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|----|---------------------------------|-----|---------|--------------|------|
| 1    | 5  | 1-Hexanol, 2-ethyl-             | 130 | C8H18O  | 000104-76-7  | 83   |
| 2    |    | 2-Propyl-1-pentanol             | 130 | C8H18O  | 058175-57-8  | 50   |
| 3    |    | 2-Ethyl-1-hexanol, methyl ether | 144 | C9H20O  | 1000365-10-2 | 50   |
| 4    |    | 1-Decene, 2,4-dimethyl-         | 168 | C12H24  | 055170-80-4  | 47   |
| 5    |    | Octane, 2,3-dimethyl-           | 142 | C10H22  | 007146-60-3  | 40   |



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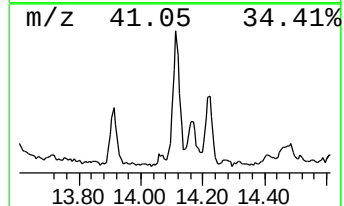
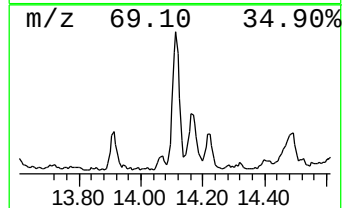
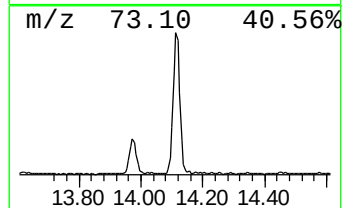
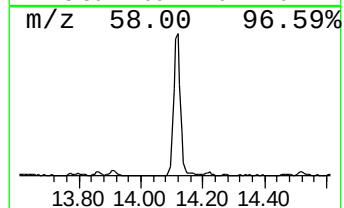
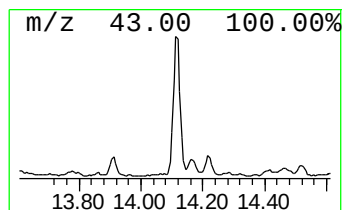
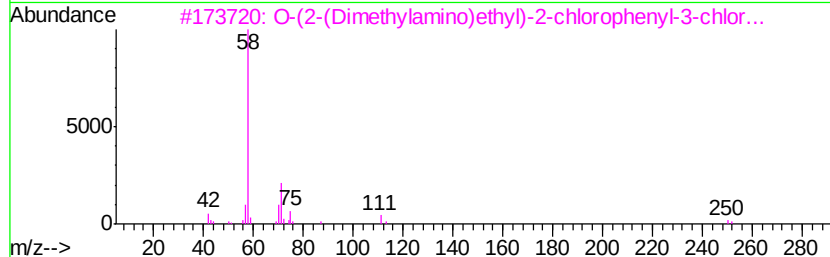
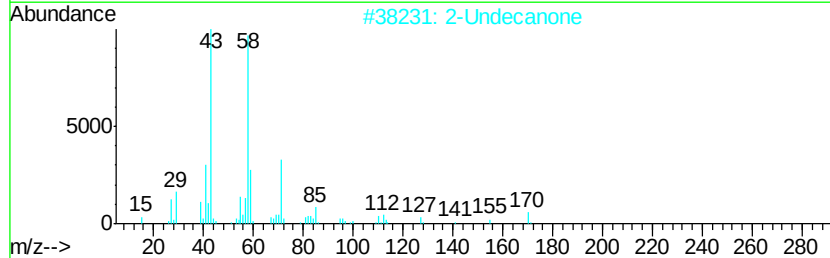
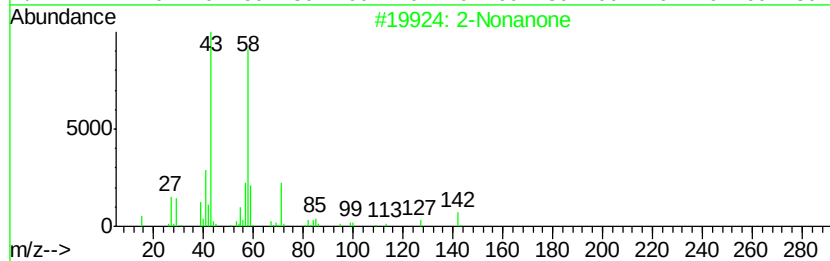
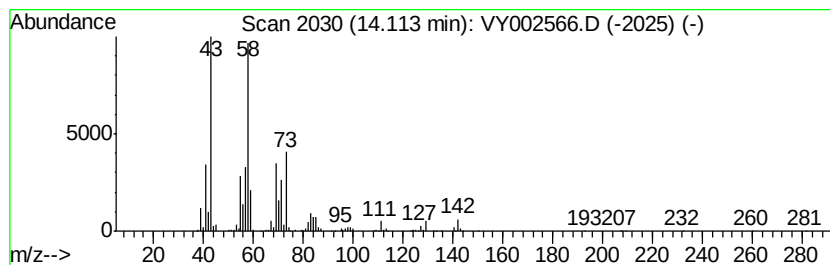
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Nonanone Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.11 | 11.57 ug/l | 334050 | 1,4-Dichlorobenzene-d4 | 13.44 |

| Hit# | of | Tentative ID                        | MW  | MolForm      | CAS#        | Qual |
|------|----|-------------------------------------|-----|--------------|-------------|------|
| 1    | 5  | 2-Nonanone                          | 142 | C9H18O       | 000821-55-6 | 93   |
| 2    |    | 2-Undecanone                        | 170 | C11H22O      | 000112-12-9 | 59   |
| 3    |    | O-(2-(Dimethylamino)ethyl)-2-chl... | 336 | C17H18Cl2N2O | 126551-78-8 | 50   |
| 4    |    | 2-Octanone                          | 128 | C8H16O       | 000111-13-7 | 47   |
| 5    |    | 2,4(3H,5H)-Furandione, 5-hexyl-5... | 198 | C11H18O3     | 054852-79-8 | 45   |



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ALS Vial : 43 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FK-0D015-03-013

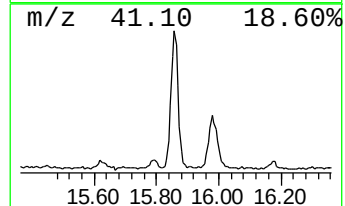
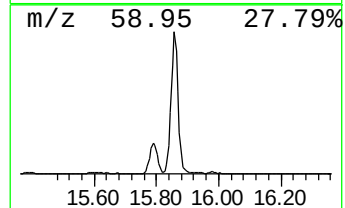
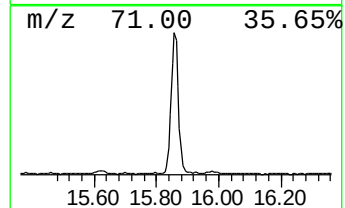
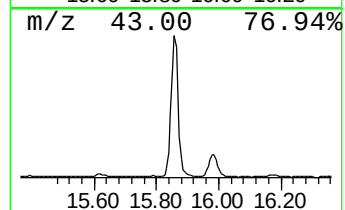
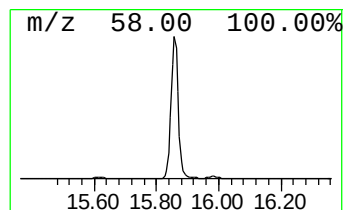
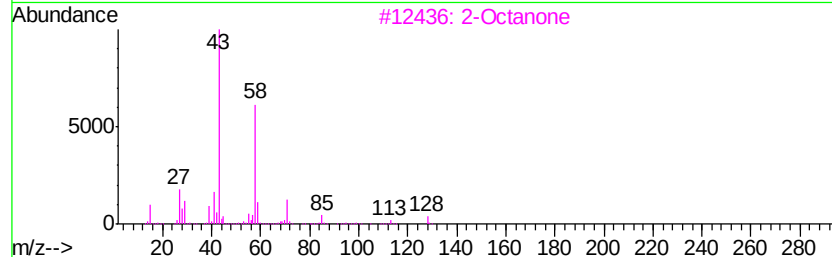
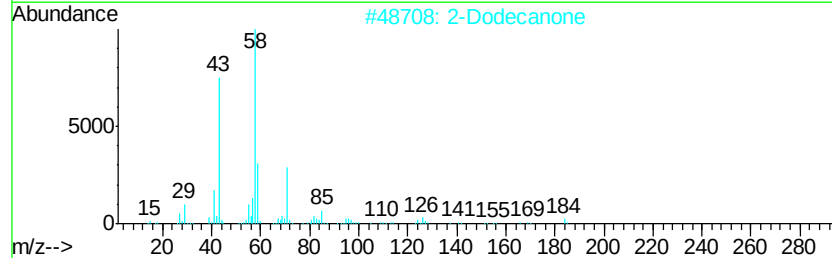
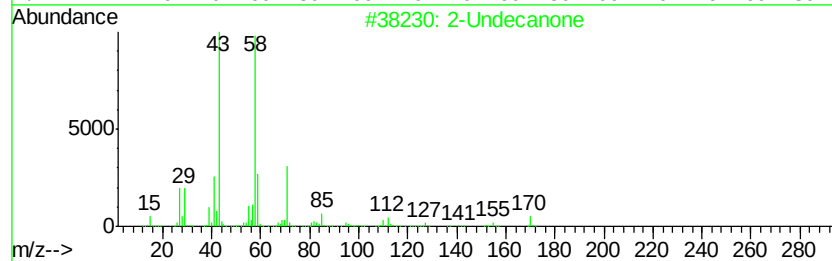
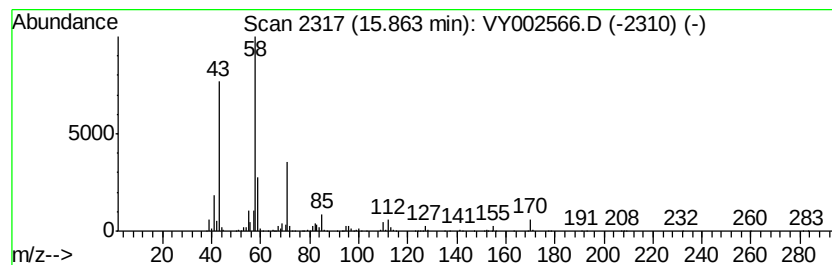
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 2-Undecanone Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.86 | 20.25 ug/l | 584880 | 1,4-Dichlorobenzene-d4 | 13.44 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | 2-Undecanone | 170 | C11H22O | 000112-12-9 | 95   |
| 2    |    | 2-Dodecanone | 184 | C12H24O | 006175-49-1 | 86   |
| 3    |    | 2-Octanone   | 128 | C8H16O  | 000111-13-7 | 72   |
| 4    |    | 2-Nonanone   | 142 | C9H18O  | 000821-55-6 | 72   |
| 5    |    | 2-Decanone   | 156 | C10H20O | 000693-54-9 | 64   |



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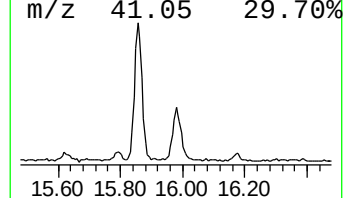
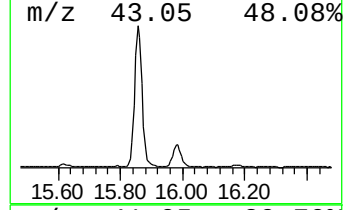
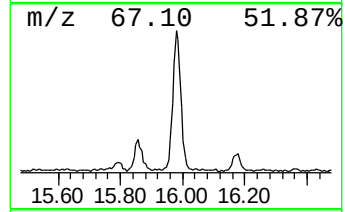
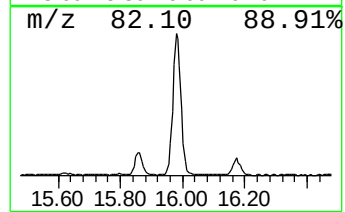
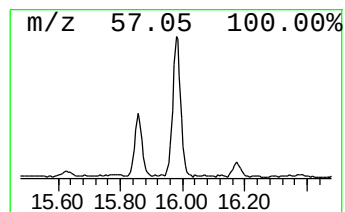
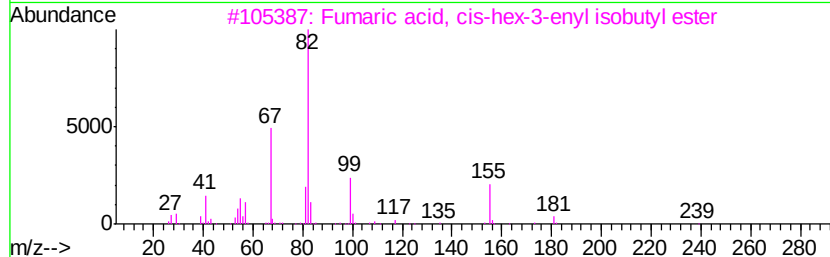
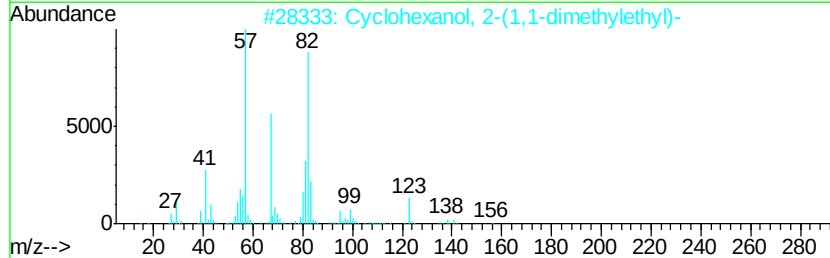
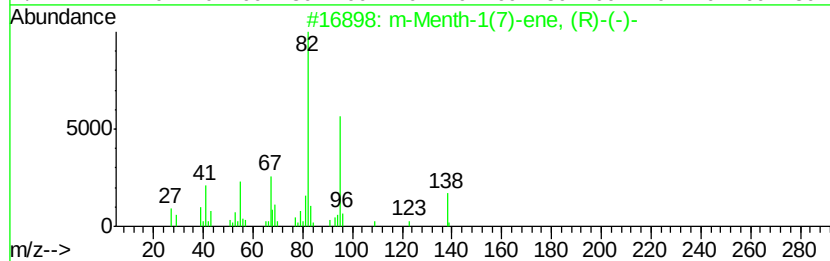
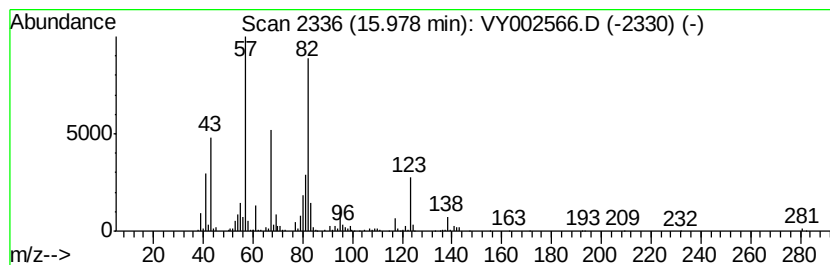
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Peak Number 4 m-Menth-1(7)-ene, (R)-(-)- Concentration Rank 4

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 15.98 | 9.29 ug/l | 268387 | 1,4-Dichlorobenzene-d4 | 13.44 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | m-Menth-1(7)-ene, (R)-(-)-          | 138 | C10H18   | 013837-71-3  | 50   |
| 2    |    | Cyclohexanol, 2-(1,1-dimethyleth... | 156 | C10H20O  | 013491-79-7  | 50   |
| 3    |    | Fumaric acid, cis-hex-3-enyl iso... | 254 | C14H22O4 | 1000348-86-0 | 50   |
| 4    |    | Fumaric acid, cis-hex-3-enyl pen... | 268 | C15H24O4 | 1000348-86-2 | 47   |
| 5    |    | cis-Hexenyl octyne carbonate        | 236 | C15H24O2 | 068480-29-5  | 47   |



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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name      | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|-----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                       |       |         |       |          | #                     | RT    | Resp    | Conc |
| 1-Hexanol, 2-ethyl-   | 13.54 | 313.4   | ug/l  | 9050560  | 4                     | 13.44 | 1444180 | 50.0 |
| 2-Nonanone            | 14.11 | 11.6    | ug/l  | 334050   | 4                     | 13.44 | 1444180 | 50.0 |
| 2-Undecanone          | 15.86 | 20.3    | ug/l  | 584880   | 4                     | 13.44 | 1444180 | 50.0 |
| m-Menth-1(7)-ene, ... | 15.98 | 9.3     | ug/l  | 268387   | 4                     | 13.44 | 1444180 | 50.0 |