

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071525\  
 Data File : VW031860.D  
 Acq On : 15 Jul 2025 14:19  
 Operator : SY/MD  
 Sample : Q2523-01  
 Misc : 3.30g/5mL/MSVOA\_W/SOIL/A  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MOO-25-0190

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\_W\Method\82W063025S.M  
 Title : SW846 8260

Signal : TIC: VW031860.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         | 2.546       | 103           | 108         | 118          | rBV2     | 11405          | 33943         | 2.94%           | 0.412%        |
| 2         | 3.722       | 297           | 301         | 316          | rVB4     | 6573           | 23250         | 2.01%           | 0.283%        |
| 3         | 4.033       | 345           | 352         | 362          | rBV      | 13277          | 36200         | 3.14%           | 0.440%        |
| 4         | 4.167       | 364           | 374         | 395          | rVB      | 60152          | 190588        | 16.51%          | 2.316%        |
| 5         | 4.960       | 491           | 504         | 526          | rBV2     | 43275          | 179110        | 15.51%          | 2.177%        |
| 6         | 5.228       | 537           | 548         | 563          | rBV4     | 5665           | 22860         | 1.98%           | 0.278%        |
| 7         | 5.820       | 634           | 645         | 659          | rBV2     | 11398          | 38785         | 3.36%           | 0.471%        |
| 8         | 5.978       | 659           | 671         | 681          | rVV3     | 13397          | 41148         | 3.56%           | 0.500%        |
| 9         | 6.149       | 689           | 699         | 710          | rBV6     | 5695           | 19473         | 1.69%           | 0.237%        |
| 10        | 6.929       | 816           | 827         | 837          | rBV3     | 39227          | 123718        | 10.71%          | 1.503%        |
| 11        | 7.203       | 863           | 872         | 887          | rBV      | 31148          | 87678         | 7.59%           | 1.065%        |
| 12        | 7.905       | 973           | 987         | 991          | rBV      | 162032         | 385281        | 33.37%          | 4.682%        |
| 13        | 7.959       | 991           | 996         | 1009         | rVB2     | 276285         | 648583        | 56.17%          | 7.882%        |
| 14        | 8.319       | 1045          | 1055        | 1067         | rBV      | 174205         | 395902        | 34.29%          | 4.811%        |
| 15        | 8.569       | 1088          | 1096        | 1106         | rVB      | 33145          | 76715         | 6.64%           | 0.932%        |
| 16        | 8.721       | 1114          | 1121        | 1130         | rBV3     | 20530          | 52913         | 4.58%           | 0.643%        |
| 17        | 8.856       | 1134          | 1143        | 1154         | rVV      | 469408         | 959182        | 83.07%          | 11.656%       |
| 18        | 9.295       | 1208          | 1215        | 1228         | rBV      | 36594          | 76698         | 6.64%           | 0.932%        |
| 19        | 9.416       | 1228          | 1235        | 1248         | rBV2     | 66961          | 141292        | 12.24%          | 1.717%        |
| 20        | 9.672       | 1270          | 1277        | 1285         | rBV2     | 13639          | 29895         | 2.59%           | 0.363%        |
| 21        | 10.215      | 1361          | 1366        | 1371         | rBV2     | 7875           | 14775         | 1.28%           | 0.180%        |
| 22        | 10.325      | 1377          | 1384        | 1392         | rBV      | 626624         | 1146577       | 99.30%          | 13.934%       |
| 23        | 10.489      | 1406          | 1411        | 1418         | rVB2     | 10889          | 20726         | 1.80%           | 0.252%        |
| 24        | 10.636      | 1427          | 1435        | 1441         | rBV3     | 59740          | 138677        | 12.01%          | 1.685%        |
| 25        | 10.861      | 1467          | 1472        | 1480         | rVB      | 18052          | 33615         | 2.91%           | 0.408%        |
| 26        | 10.977      | 1486          | 1491        | 1498         | rBV      | 19729          | 36671         | 3.18%           | 0.446%        |
| 27        | 11.075      | 1501          | 1507        | 1514         | rBV      | 73262          | 123821        | 10.72%          | 1.505%        |
| 28        | 11.629      | 1592          | 1598        | 1607         | rVB      | 687516         | 1154629       | 100.00%         | 14.031%       |
| 29        | 12.099      | 1672          | 1675        | 1680         | rVB3     | 15741          | 22026         | 1.91%           | 0.268%        |
| 30        | 12.233      | 1695          | 1697        | 1704         | rVB      | 15968          | 29407         | 2.55%           | 0.357%        |
| 31        | 12.343      | 1710          | 1715        | 1721         | rBV2     | 36187          | 70575         | 6.11%           | 0.858%        |
| 32        | 12.617      | 1754          | 1760        | 1769         | rVB      | 462523         | 765046        | 66.26%          | 9.297%        |
| 33        | 12.934      | 1809          | 1812        | 1816         | rBV2     | 22309          | 36336         | 3.15%           | 0.442%        |
| 34        | 13.556      | 1908          | 1914        | 1920         | rBV      | 677829         | 1072822       | 92.91%          | 13.037%       |

Sum of corrected areas: 8228917

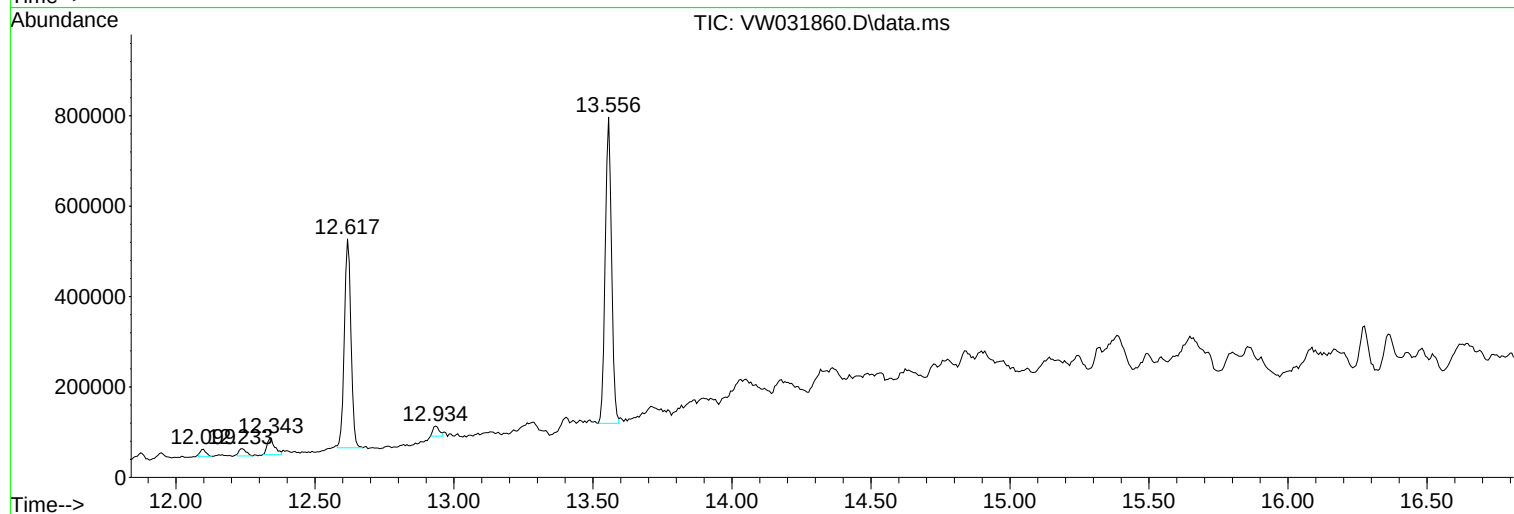
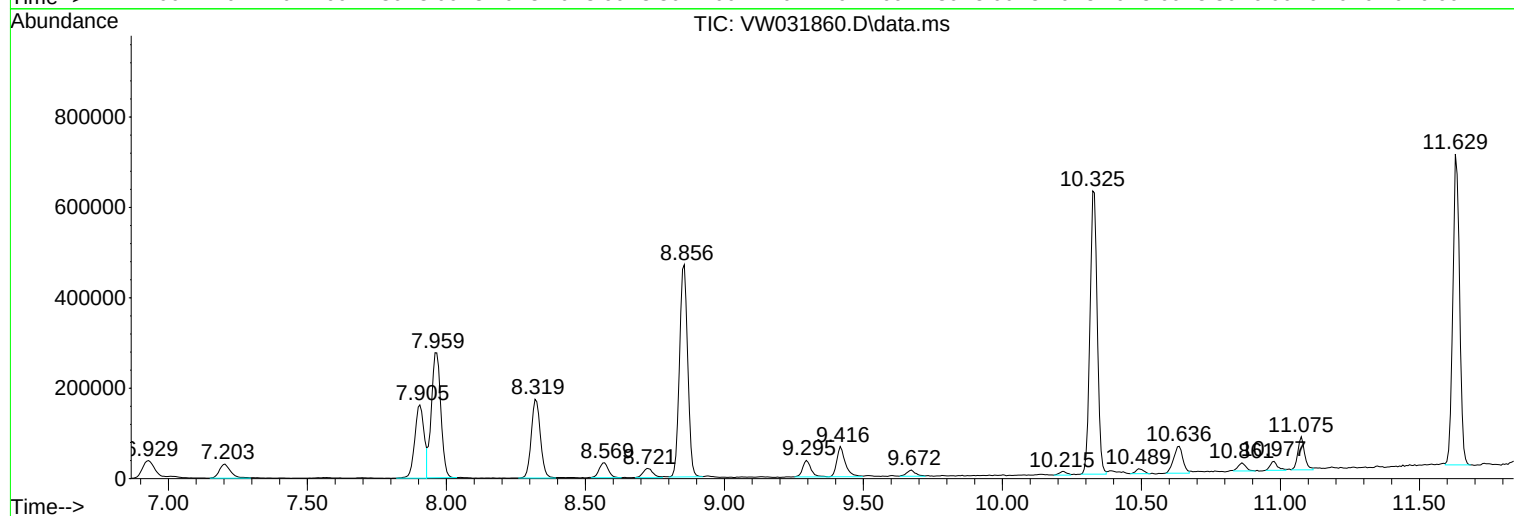
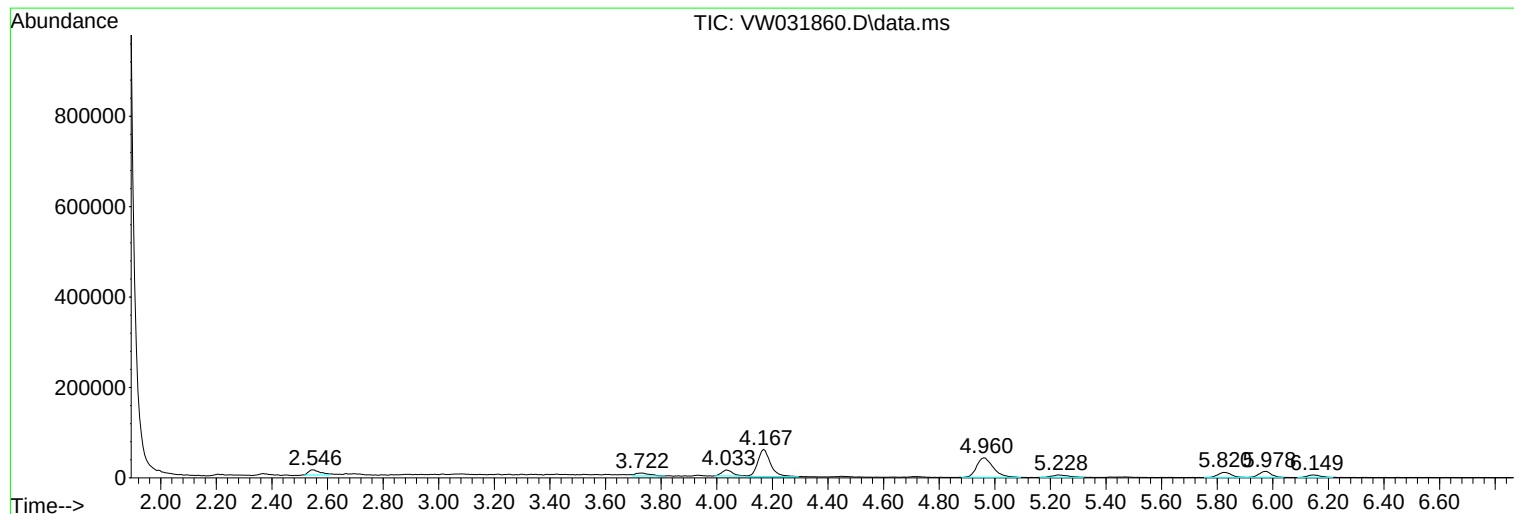
**Instrument :**  
MSVOA\_W  
**ClientSampleId :**  
MOO-25-0190

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071525\  
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Sample : Q2523-01  
Misc : 3.30g/5mL/MSVOA\_W/SOIL/A  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
MOO-25-0190

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
Quant Title : SW846 8260

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



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Quant Title : SW846 8260

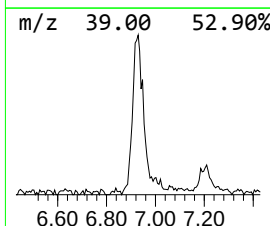
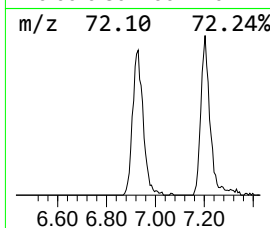
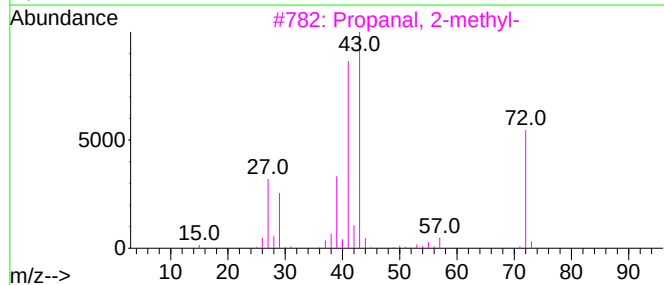
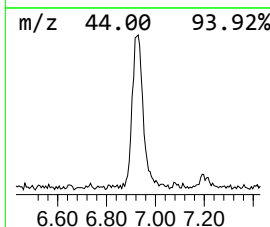
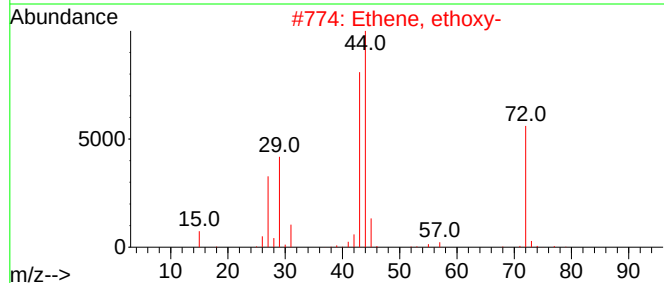
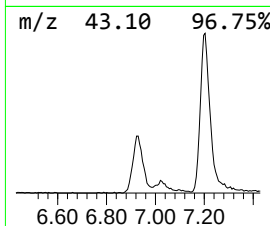
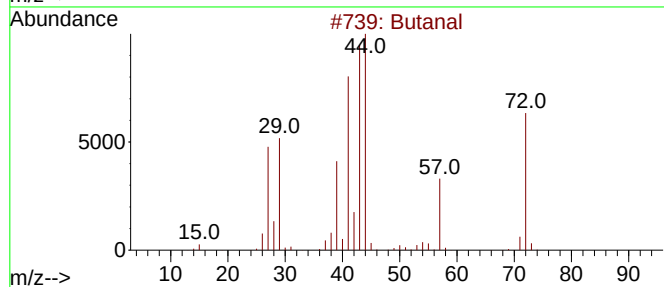
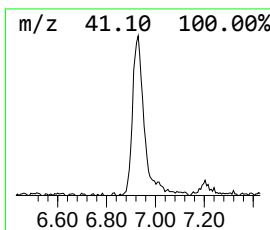
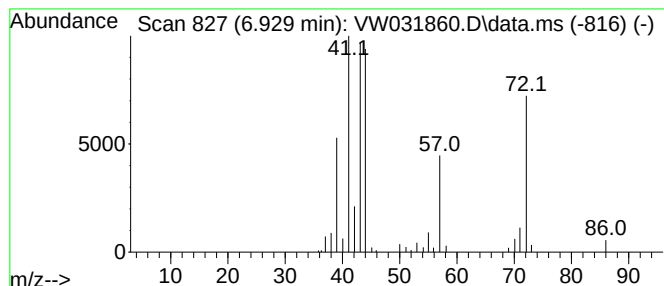
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butanal Concentration Rank 1

| R.T.  | EstConc   | Area   | Relative to ISTD   | R.T.  |
|-------|-----------|--------|--------------------|-------|
| 6.929 | 9.54 ug/l | 123718 | Pentafluorobenzene | 7.965 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Butanal                           | 72  | C4H8O   | 000123-72-8 | 91   |
| 2    |    |   | Ethene, ethoxy-                   | 72  | C4H8O   | 000109-92-2 | 43   |
| 3    |    |   | Propanal, 2-methyl-               | 72  | C4H8O   | 000078-84-2 | 27   |
| 4    |    |   | 1-Propene, 3-methoxy-             | 72  | C4H8O   | 000627-40-7 | 25   |
| 5    |    |   | 2-Propen-1-ol, 2-methyl-, acetate | 114 | C6H10O2 | 000820-71-3 | 23   |



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Sample : Q2523-01  
Misc : 3.30g/5mL/MSVOA\_W/SOIL/A  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
MOO-25-0190

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
Quant Title : SW846 8260

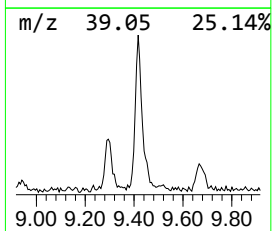
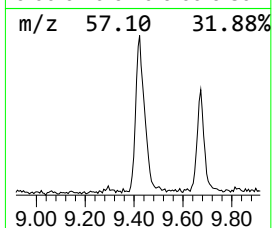
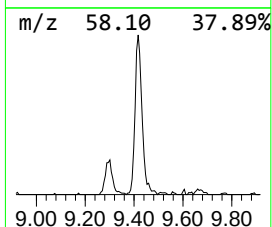
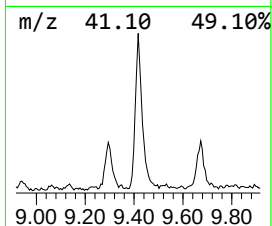
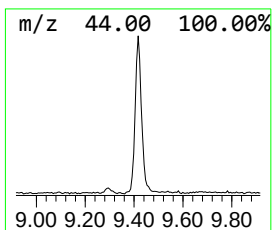
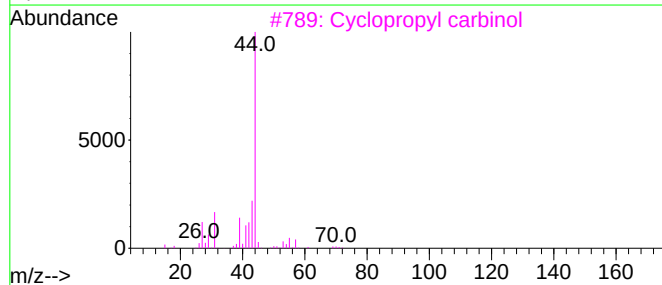
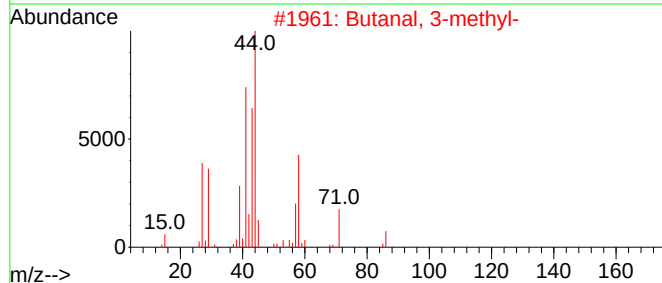
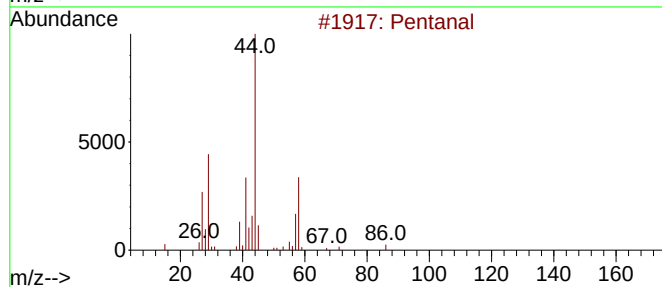
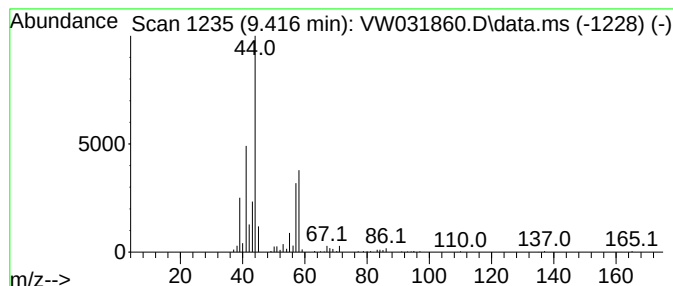
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Pentanal Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 9.416 | 7.37 ug/l | 141292 | 1,4-Difluorobenzene | 8.856 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentanal                           | 86  | C5H10O  | 000110-62-3 | 83   |
| 2    |    |   | Butanal, 3-methyl-                 | 86  | C5H10O  | 000590-86-3 | 50   |
| 3    |    |   | Cyclopropyl carbinol               | 72  | C4H8O   | 002516-33-8 | 38   |
| 4    |    |   | 2(3H)-Furanone, dihydro-4-hydroxy- | 102 | C4H6O3  | 005469-16-9 | 38   |
| 5    |    |   | Butanal, 2-methyl-                 | 86  | C5H10O  | 000096-17-3 | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071525\  
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Sample : Q2523-01  
Misc : 3.30g/5mL/MSVOA\_W/SOIL/A  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
MOO-25-0190

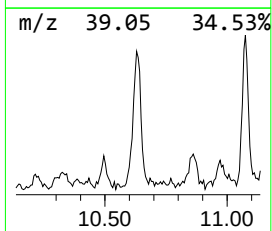
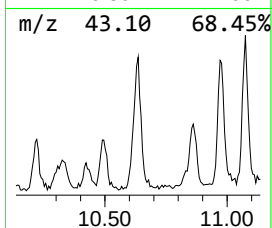
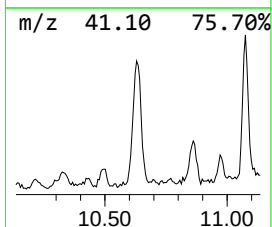
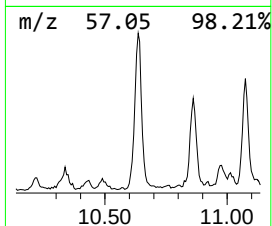
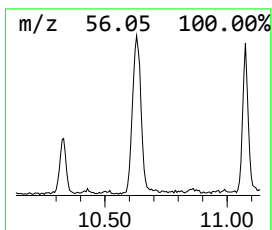
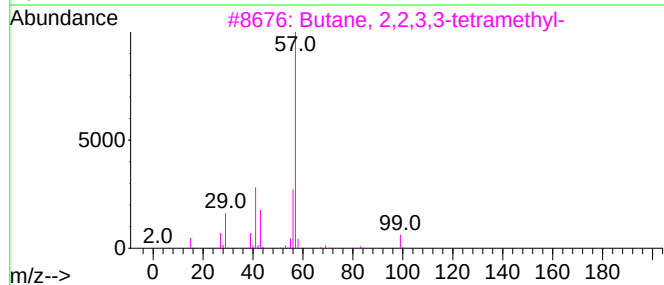
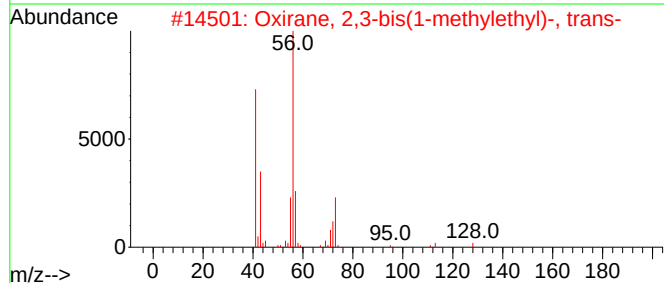
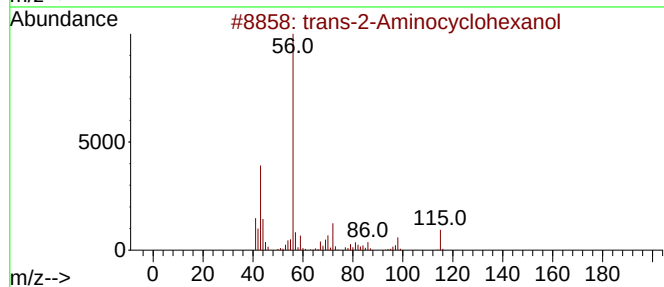
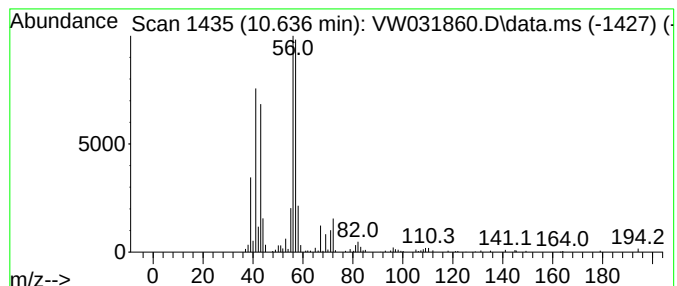
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
Quant Title : SW846 8260

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

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Peak Number 3 unknown10.636 Concentration Rank 3

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.   |
|--------|-----------|--------|------------------|--------|
| 10.636 | 6.01 ug/l | 138677 | Chlorobenzene-d5 | 11.629 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | trans-2-Aminocyclohexanol           | 115 | C6H13NO  | 006982-39-4  | 47   |
| 2    |    |   | Oxirane, 2,3-bis(1-methylethyl)-... | 128 | C8H16O   | 054644-32-5  | 40   |
| 3    |    |   | Butane, 2,2,3,3-tetramethyl-        | 114 | C8H18    | 000594-82-1  | 38   |
| 4    |    |   | Vigabatrin                          | 129 | C6H11NO2 | 060643-86-9  | 38   |
| 5    |    |   | 3-[N-Aziridyl]propionaldehyde se... | 156 | C6H12N4O | 1010256-01-8 | 37   |



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MSVOA\_W  
ClientSampleId :  
MOO-25-0190

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
Quant Title : SW846 8260

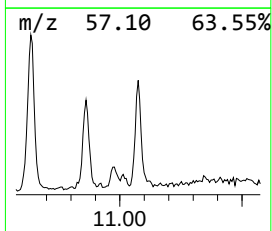
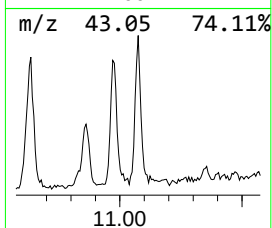
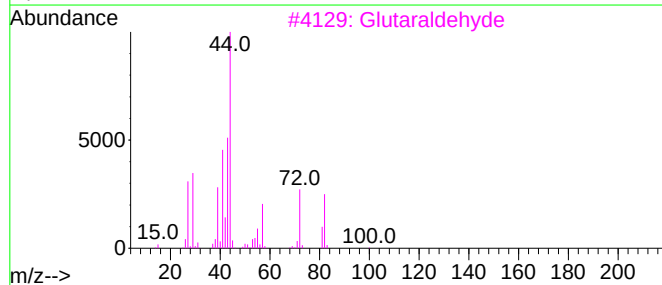
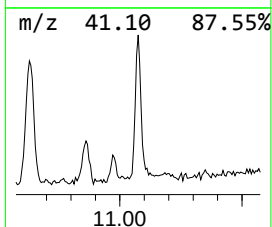
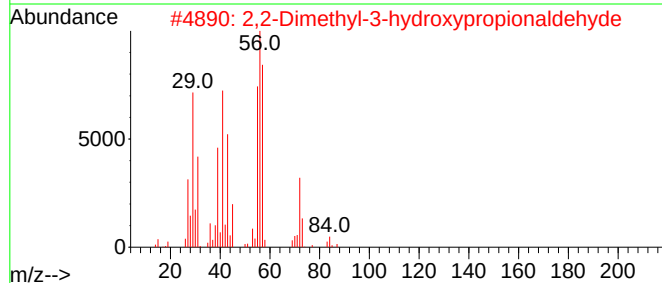
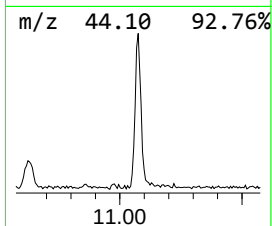
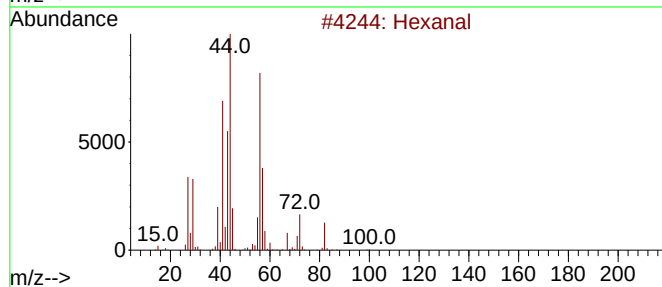
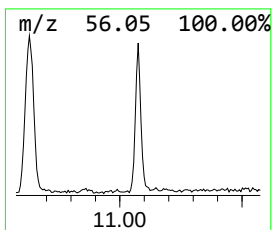
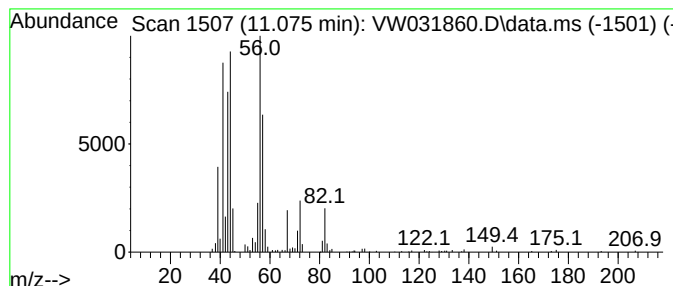
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Hexanal Concentration Rank 4

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.   |
|--------|-----------|--------|------------------|--------|
| 11.075 | 5.36 ug/l | 123821 | Chlorobenzene-d5 | 11.629 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Hexanal                             | 100 | C6H12O  | 000066-25-1 | 81   |
| 2    |    |   | 2,2-Dimethyl-3-hydroxypropionald... | 102 | C5H10O2 | 000597-31-9 | 32   |
| 3    |    |   | Glutaraldehyde                      | 100 | C5H8O2  | 000111-30-8 | 30   |
| 4    |    |   | Butanal, 3-methyl-                  | 86  | C5H10O  | 000590-86-3 | 25   |
| 5    |    |   | Butanal                             | 72  | C4H8O   | 000123-72-8 | 25   |



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Quant Title : SW846 8260

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

| TIC Top Hit name | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                  |        |         |       |          | #                     | RT     | Resp    | Conc |
| Butanal          | 6.929  | 9.5     | ug/l  | 123718   | 1                     | 7.965  | 648583  | 50.0 |
| Pentanal         | 9.416  | 7.4     | ug/l  | 141292   | 2                     | 8.856  | 959182  | 50.0 |
| unknown10.636    | 10.636 | 6.0     | ug/l  | 138677   | 3                     | 11.629 | 1154630 | 50.0 |
| Hexanal          | 11.075 | 5.4     | ug/l  | 123821   | 3                     | 11.629 | 1154630 | 50.0 |