

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091119\  
 Data File : VW012920.D  
 Acq On : 11 Sep 2019 16:27  
 Operator : SY/VA  
 Sample : K4683-04  
 Misc : 4.34G/5ML/MSVOA W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 20190666-FIELD-DUPLICATE

Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.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         | 1.952       | 6             | 8           | 28           | rVB4     | 59610          | 134705        | 11.45%          | 1.789%        |
| 2         | 2.147       | 36            | 40          | 49           | rBV4     | 6973           | 16854         | 1.43%           | 0.224%        |
| 3         | 2.318       | 62            | 68          | 70           | rBV3     | 10528          | 17222         | 1.46%           | 0.229%        |
| 4         | 2.355       | 70            | 74          | 80           | rVB      | 17736          | 33920         | 2.88%           | 0.450%        |
| 5         | 2.794       | 142           | 146         | 155          | rVB      | 13040          | 26074         | 2.22%           | 0.346%        |
| 6         | 3.379       | 234           | 242         | 252          | rBV4     | 8452           | 22000         | 1.87%           | 0.292%        |
| 7         | 4.123       | 354           | 364         | 374          | rBV      | 105574         | 298446        | 25.36%          | 3.963%        |
| 8         | 4.379       | 396           | 406         | 417          | rBV3     | 22363          | 76400         | 6.49%           | 1.015%        |
| 9         | 4.665       | 448           | 453         | 463          | rVB3     | 5166           | 13272         | 1.13%           | 0.176%        |
| 10        | 4.909       | 480           | 493         | 507          | rBV3     | 18682          | 74582         | 6.34%           | 0.990%        |
| 11        | 5.939       | 652           | 662         | 668          | rBV4     | 5046           | 15047         | 1.28%           | 0.200%        |
| 12        | 7.165       | 848           | 863         | 874          | rBV2     | 31458          | 121594        | 10.33%          | 1.615%        |
| 13        | 7.537       | 913           | 924         | 933          | rBV6     | 6440           | 19169         | 1.63%           | 0.255%        |
| 14        | 7.884       | 969           | 981         | 985          | rBV      | 150995         | 359743        | 30.57%          | 4.777%        |
| 15        | 7.945       | 985           | 991         | 1001         | rVB      | 326807         | 729727        | 62.01%          | 9.691%        |
| 16        | 8.305       | 1038          | 1050        | 1059         | rBV      | 156600         | 350533        | 29.79%          | 4.655%        |
| 17        | 8.701       | 1107          | 1115        | 1119         | rBV7     | 5746           | 12914         | 1.10%           | 0.171%        |
| 18        | 8.841       | 1128          | 1138        | 1149         | rBV      | 451309         | 898859        | 76.38%          | 11.937%       |
| 19        | 9.335       | 1205          | 1219        | 1225         | rBV      | 7710           | 28219         | 2.40%           | 0.375%        |
| 20        | 10.323      | 1374          | 1381        | 1389         | rBV      | 668142         | 1176831       | 100.00%         | 15.628%       |
| 21        | 11.627      | 1589          | 1595        | 1605         | rVB      | 525639         | 910666        | 77.38%          | 12.094%       |
| 22        | 12.615      | 1749          | 1757        | 1766         | rBV3     | 432874         | 830183        | 70.54%          | 11.025%       |
| 23        | 13.194      | 1848          | 1852        | 1857         | rVB2     | 47873          | 76851         | 6.53%           | 1.021%        |
| 24        | 13.304      | 1867          | 1870        | 1872         | rBV3     | 24341          | 31450         | 2.67%           | 0.418%        |
| 25        | 13.408      | 1883          | 1887        | 1892         | rBV      | 64402          | 97155         | 8.26%           | 1.290%        |
| 26        | 13.560      | 1906          | 1912        | 1916         | rBV      | 351909         | 585271        | 49.73%          | 7.772%        |
| 27        | 13.603      | 1916          | 1919        | 1928         | rVB2     | 75811          | 159011        | 13.51%          | 2.112%        |
| 28        | 13.877      | 1960          | 1964        | 1968         | rBV7     | 26446          | 53325         | 4.53%           | 0.708%        |
| 29        | 14.072      | 1991          | 1996        | 2010         | rVB      | 106877         | 251008        | 21.33%          | 3.333%        |
| 30        | 14.499      | 2062          | 2066        | 2078         | rBV9     | 31729          | 109092        | 9.27%           | 1.449%        |

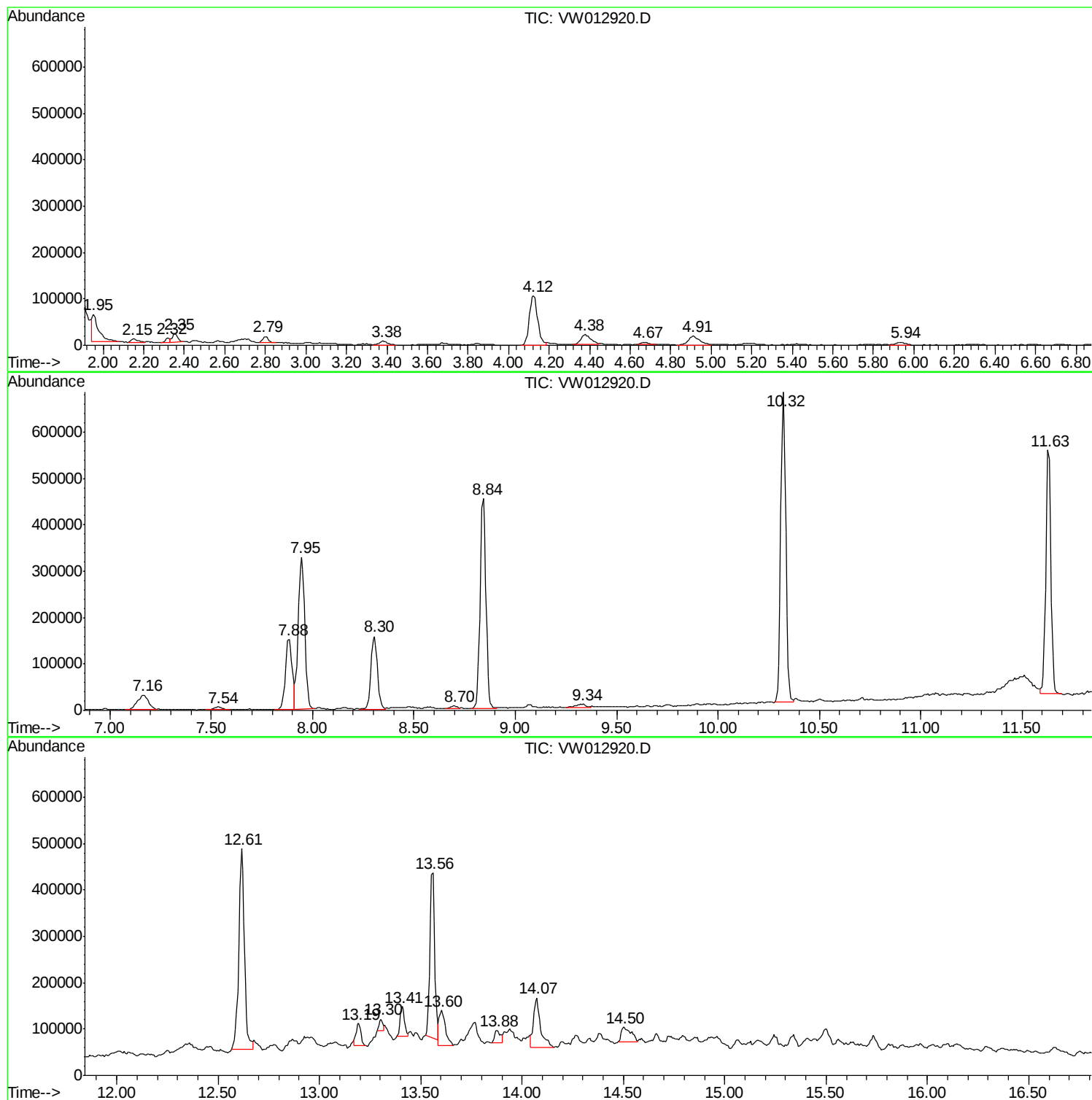
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ALS Vial : 16 Sample Multiplier: 1

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MSVOA\_W  
ClientSampleId :  
20190666-FIELD-DUPLICATE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
Quant Title : SW846 8260

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



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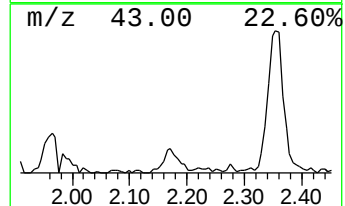
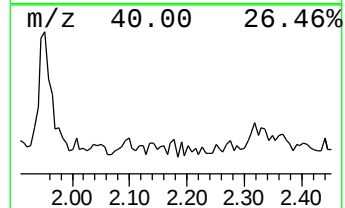
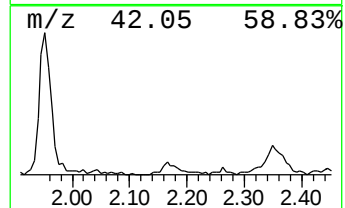
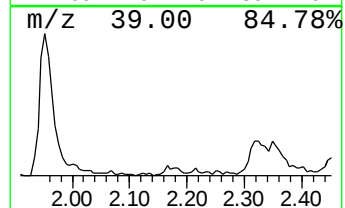
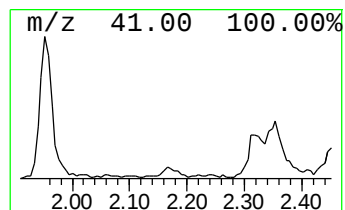
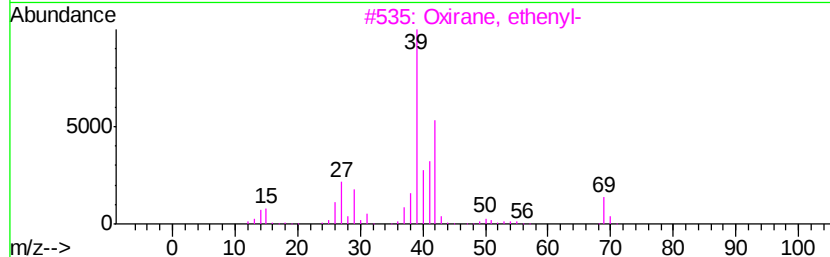
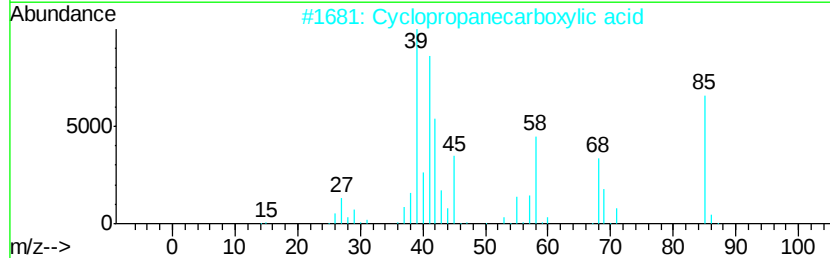
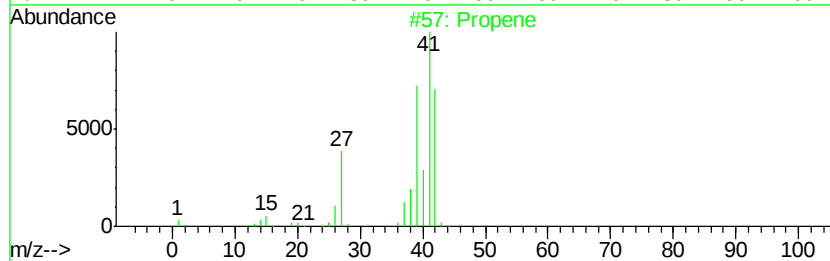
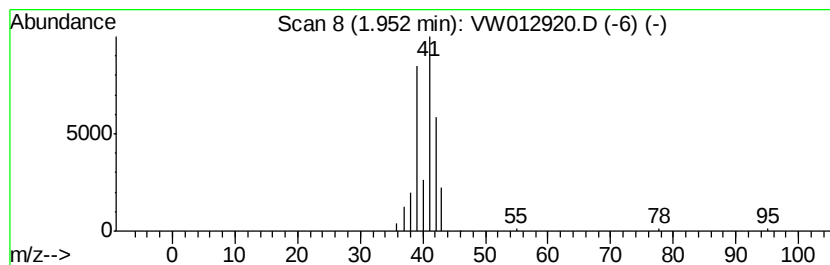
Instrument :  
MSVOA\_W  
ClientSampleId :  
20190666-FIELD-DUPLICATE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Propene Concentration Rank 3

| R.T.    | EstConc                     | Area         | Relative to ISTD   | R.T.    |             |      |
|---------|-----------------------------|--------------|--------------------|---------|-------------|------|
| 1.95    | 9.23 ug/l                   | 134705       | Pentafluorobenzene | 7.95    |             |      |
| Hit# of | 5                           | Tentative ID | MW                 | MolForm | CAS#        | Qual |
| 1       | Propene                     |              | 42                 | C3H6    | 000115-07-1 | 90   |
| 2       | Cyclopropanecarboxylic acid |              | 86                 | C4H6O2  | 001759-53-1 | 83   |
| 3       | Oxirane, ethenyl-           |              | 70                 | C4H6O   | 000930-22-3 | 83   |
| 4       | Furan, 2,5-dihydro-         |              | 70                 | C4H6O   | 001708-29-8 | 83   |
| 5       | 2-Butenal, (E)-             |              | 70                 | C4H6O   | 000123-73-9 | 83   |



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Misc : 4.34G/5ML/MSVOA W/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
20190666-FIELD-DUPLICATE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
Quant Title : SW846 8260

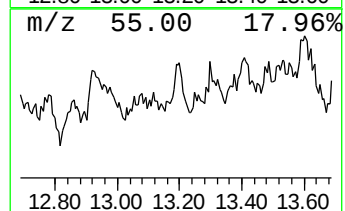
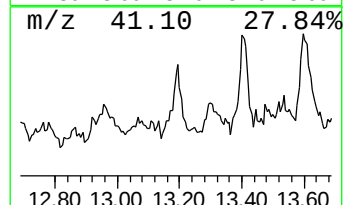
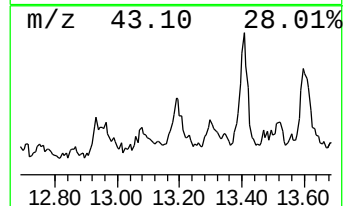
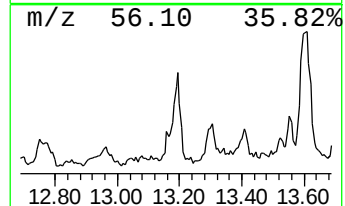
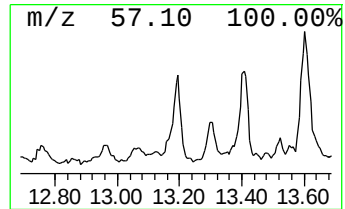
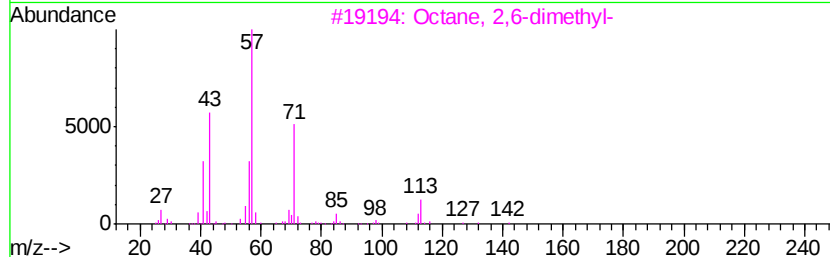
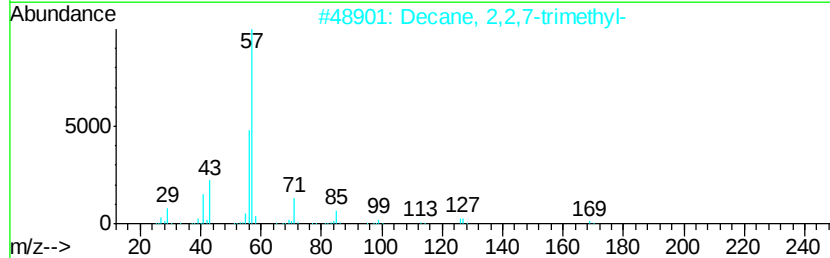
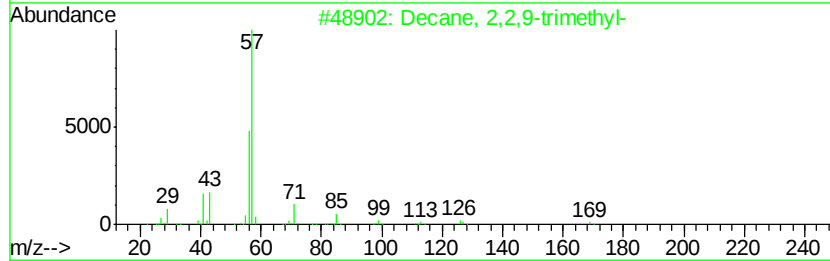
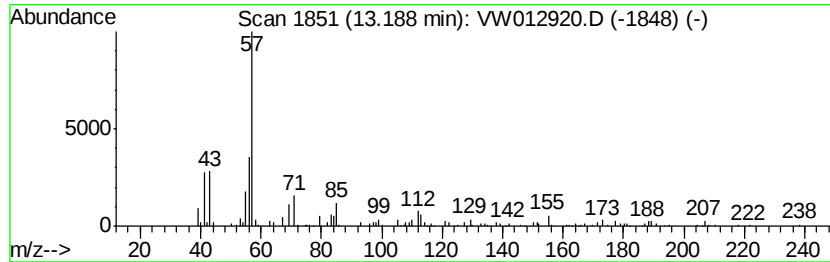
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Decane, 2,2,9-trimethyl- Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 13.19 | 6.57 ug/l | 76851 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Decane, 2,2,9-trimethyl- | 184 | C13H28  | 062238-00-0 | 64   |
| 2    |    | Decane, 2,2,7-trimethyl- | 184 | C13H28  | 062237-99-4 | 59   |
| 3    |    | Octane, 2,6-dimethyl-    | 142 | C10H22  | 002051-30-1 | 53   |
| 4    |    | Hexane, 2,2,4-trimethyl- | 128 | C9H20   | 016747-26-5 | 50   |
| 5    |    | Hexane, 2,2,5-trimethyl- | 128 | C9H20   | 003522-94-9 | 50   |



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Sample : K4683-04  
Misc : 4.34G/5ML/MSVOA W/SOIL  
ALS Vial : 16 Sample Multiplier: 1

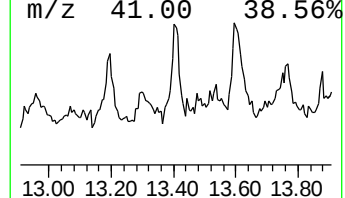
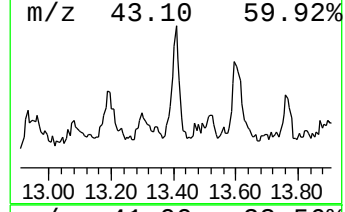
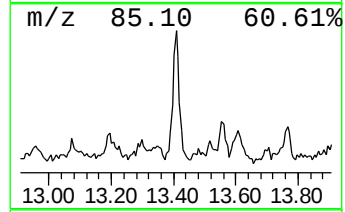
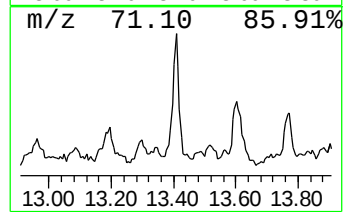
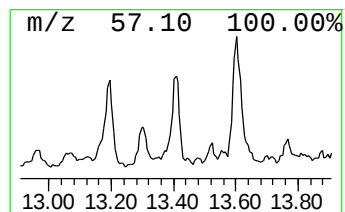
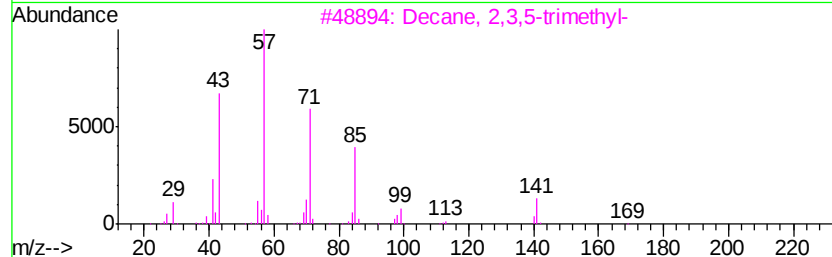
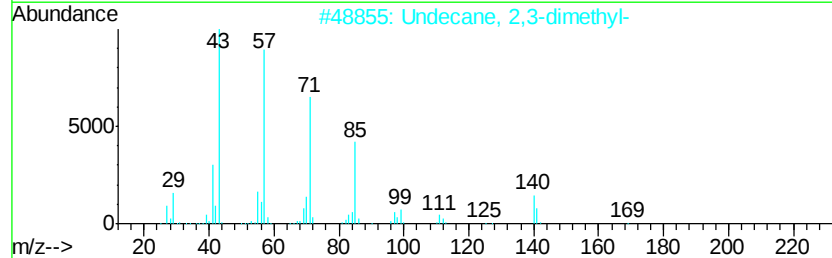
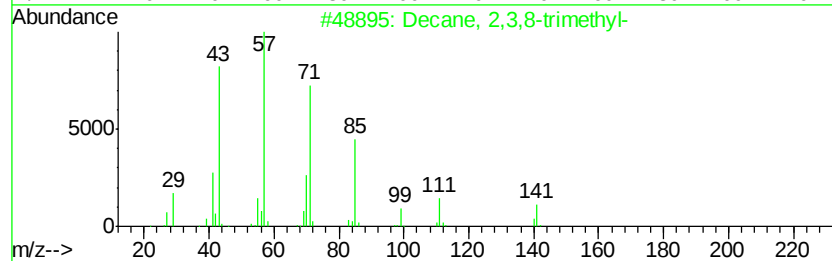
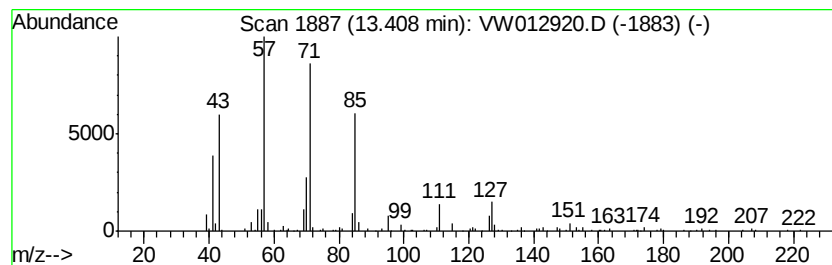
Instrument :  
MSVOA\_W  
ClientSampleId :  
20190666-FIELD-DUPLICATE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
Quant Title : SW846 8260

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

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Peak Number 3 Decane, 2,3,8-trimethyl- Concentration Rank 4

| R.T.    | EstConc                       | Area         | Relative to ISTD       | R.T.        |      |      |
|---------|-------------------------------|--------------|------------------------|-------------|------|------|
| 13.41   | 8.30 ug/l                     | 97155        | 1,4-Dichlorobenzene-d4 | 13.56       |      |      |
| Hit# of | 5                             | Tentative ID | MW                     | MolForm     | CAS# | Qual |
| 1       | Decane, 2,3,8-trimethyl-      | 184          | C13H28                 | 062238-14-6 | 72   |      |
| 2       | Undecane, 2,3-dimethyl-       | 184          | C13H28                 | 017312-77-5 | 64   |      |
| 3       | Decane, 2,3,5-trimethyl-      | 184          | C13H28                 | 062238-11-3 | 64   |      |
| 4       | 1-Threitol, 2-O-nonyl-        | 248          | C13H28O4               | 163776-15-6 | 53   |      |
| 5       | 3-Octen-2-ol, 2-methyl-, (Z)- | 142          | C9H18O                 | 018521-07-8 | 50   |      |





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ALS Vial : 16 Sample Multiplier: 1

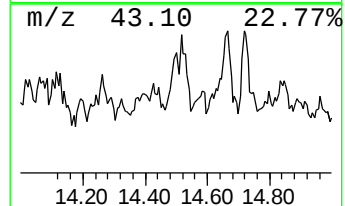
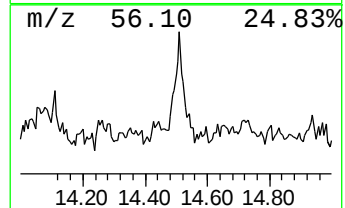
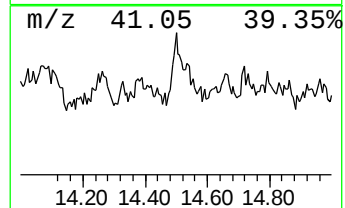
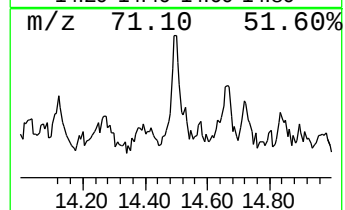
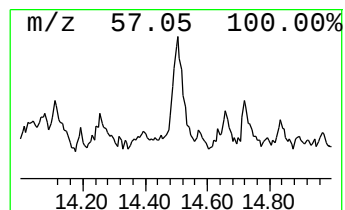
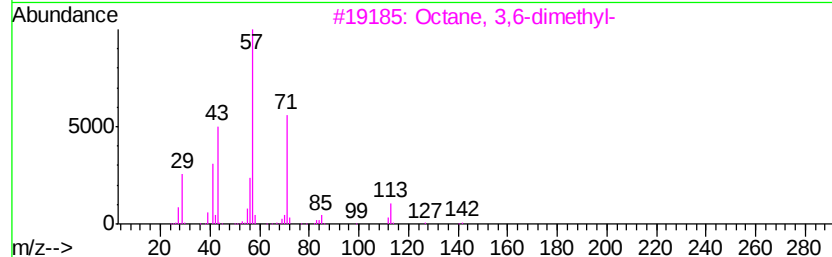
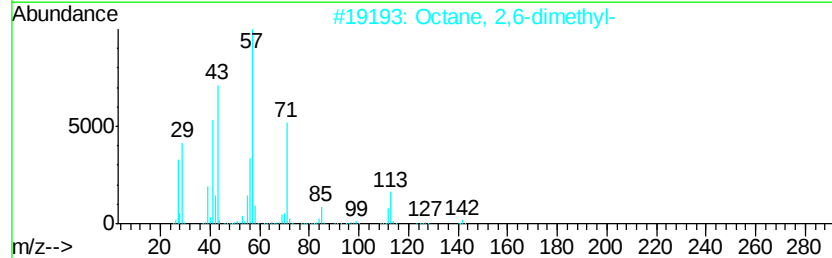
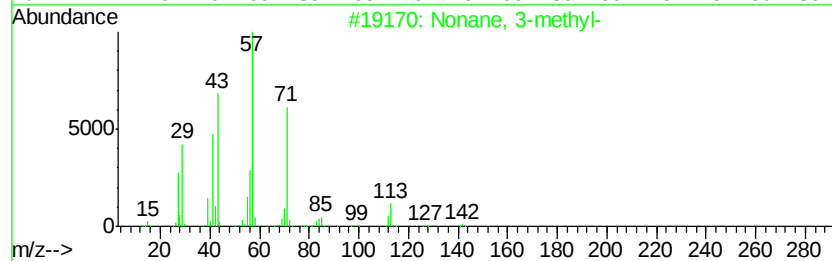
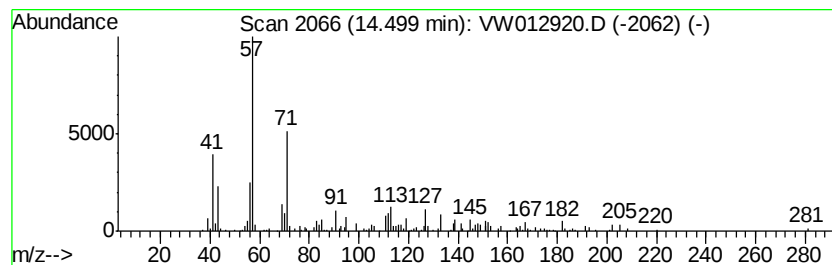
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Quant Title : SW846 8260

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

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Peak Number 5 Nonane, 3-methyl- Concentration Rank 2

| R.T.    | EstConc                     | Area         | Relative to ISTD       | R.T.      |
|---------|-----------------------------|--------------|------------------------|-----------|
| 14.50   | 9.32 ug/l                   | 109092       | 1,4-Dichlorobenzene-d4 | 13.56     |
| Hit# of | 5                           | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Nonane, 3-methyl-           | 142 C10H22   | 005911-04-6            | 76        |
| 2       | Octane, 2,6-dimethyl-       | 142 C10H22   | 002051-30-1            | 72        |
| 3       | Octane, 3,6-dimethyl-       | 142 C10H22   | 015869-94-0            | 62        |
| 4       | Dodecane, 2,6,10-trimethyl- | 212 C15H32   | 003891-98-3            | 59        |
| 5       | Heptacosane                 | 380 C27H56   | 000593-49-7            | 53        |



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MSVOA\_W  
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20190666-FIELD-DUPLICATE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
Quant Title : SW846 8260

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Propene              | 1.95  | 9.2     | ug/l  | 134705   | 1                     | 7.95  | 729727 | 50.0 |
| Decane, 2,2,9-tri... | 13.19 | 6.6     | ug/l  | 76851    | 4                     | 13.56 | 585271 | 50.0 |
| Decane, 2,3,8-tri... | 13.41 | 8.3     | ug/l  | 97155    | 4                     | 13.56 | 585271 | 50.0 |
| Butanamide, 2,2,3... | 14.07 | 21.4    | ug/l  | 251008   | 4                     | 13.56 | 585271 | 50.0 |
| Nonane, 3-methyl-    | 14.50 | 9.3     | ug/l  | 109092   | 4                     | 13.56 | 585271 | 50.0 |