

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV101819\  
 Data File : VV013205.D  
 Acq On : 18 Oct 2019 16:23  
 Operator : SY/MD  
 Sample : K5321-04  
 Misc : 25.00ML/MSVOA\_V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E0AA7

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

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\_V\METHOD\SOMVTR101819WMA.M

Title : TRACE VOA SOM01.0

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         | 1.116       | 5             | 8           | 34           | rVB2     | 95500          | 167945        | 7.47%           | 0.850%        |
| 2         | 1.315       | 62            | 70          | 90           | rVB      | 357090         | 432015        | 19.22%          | 2.187%        |
| 3         | 1.579       | 145           | 152         | 164          | rVB      | 269685         | 298211        | 13.27%          | 1.510%        |
| 4         | 2.126       | 312           | 322         | 340          | rVB      | 534947         | 785184        | 34.94%          | 3.975%        |
| 5         | 2.528       | 444           | 447         | 463          | rVB      | 16196          | 31685         | 1.41%           | 0.160%        |
| 6         | 3.978       | 880           | 898         | 935          | rBV2     | 111098         | 653013        | 29.06%          | 3.306%        |
| 7         | 4.402       | 1012          | 1030        | 1058         | rBV3     | 484453         | 1642367       | 73.08%          | 8.314%        |
| 8         | 5.090       | 1225          | 1244        | 1273         | rBV2     | 945470         | 2247342       | 100.00%         | 11.377%       |
| 9         | 5.656       | 1406          | 1420        | 1443         | rBV      | 528636         | 1054266       | 46.91%          | 5.337%        |
| 10        | 5.949       | 1499          | 1511        | 1524         | rBV      | 11514          | 27957         | 1.24%           | 0.142%        |
| 11        | 6.113       | 1546          | 1562        | 1591         | rBV2     | 518997         | 1082183       | 48.15%          | 5.478%        |
| 12        | 6.556       | 1687          | 1700        | 1711         | rBV3     | 16841          | 33555         | 1.49%           | 0.170%        |
| 13        | 7.026       | 1834          | 1846        | 1867         | rBV      | 248751         | 446213        | 19.86%          | 2.259%        |
| 14        | 7.354       | 1936          | 1948        | 1965         | rBV      | 1064920        | 1828123       | 81.35%          | 9.255%        |
| 15        | 7.659       | 2031          | 2043        | 2061         | rBV      | 145825         | 268844        | 11.96%          | 1.361%        |
| 16        | 8.013       | 2132          | 2153        | 2169         | rBV      | 324839         | 558667        | 24.86%          | 2.828%        |
| 17        | 8.135       | 2178          | 2191        | 2232         | rBV2     | 894244         | 2009961       | 89.44%          | 10.175%       |
| 18        | 8.891       | 2413          | 2426        | 2442         | rBV      | 859332         | 1408509       | 62.67%          | 7.130%        |
| 19        | 10.257      | 2836          | 2851        | 2864         | rBV      | 365109         | 584834        | 26.02%          | 2.961%        |
| 20        | 11.222      | 3145          | 3151        | 3160         | rVB5     | 15289          | 24935         | 1.11%           | 0.126%        |
| 21        | 11.289      | 3160          | 3172        | 3188         | rBV      | 901343         | 1385683       | 61.66%          | 7.015%        |
| 22        | 11.572      | 3248          | 3260        | 3278         | rBV      | 585022         | 1036053       | 46.10%          | 5.245%        |
| 23        | 11.666      | 3278          | 3289        | 3308         | rVB      | 1015441        | 1627649       | 72.43%          | 8.240%        |
| 24        | 12.688      | 3596          | 3607        | 3624         | rBV6     | 14922          | 29776         | 1.32%           | 0.151%        |
| 25        | 13.309      | 3790          | 3800        | 3813         | rVB5     | 22462          | 38457         | 1.71%           | 0.195%        |
| 26        | 13.556      | 3866          | 3877        | 3890         | rBV2     | 9996           | 23713         | 1.06%           | 0.120%        |
| 27        | 13.788      | 3941          | 3949        | 3960         | rBV7     | 15252          | 26238         | 1.17%           | 0.133%        |

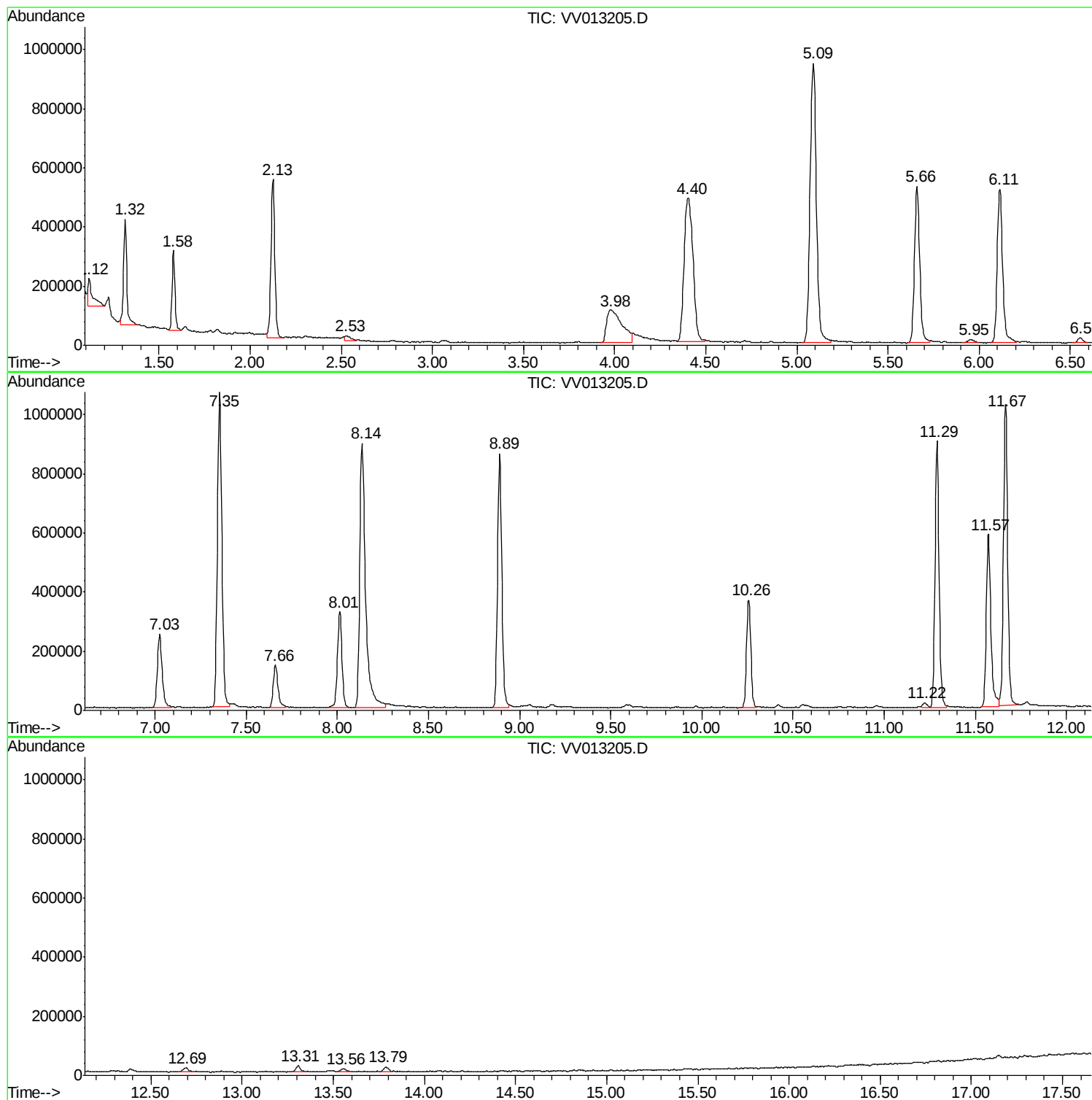
Sum of corrected areas: 19753378

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Instrument :  
MSVOA\_V  
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E0AA7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR101819WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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Quant Title : TRACE VOA SOM01.0

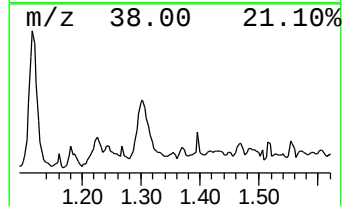
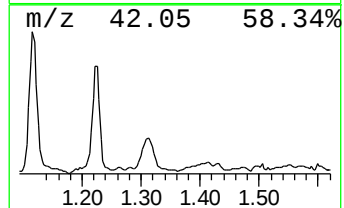
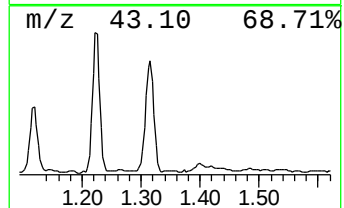
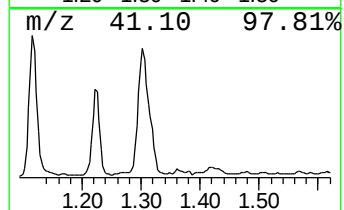
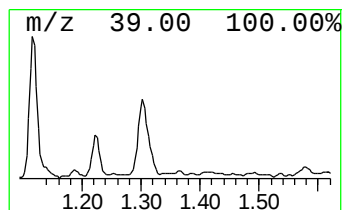
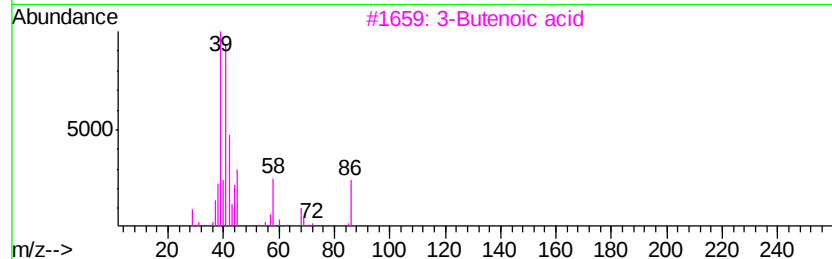
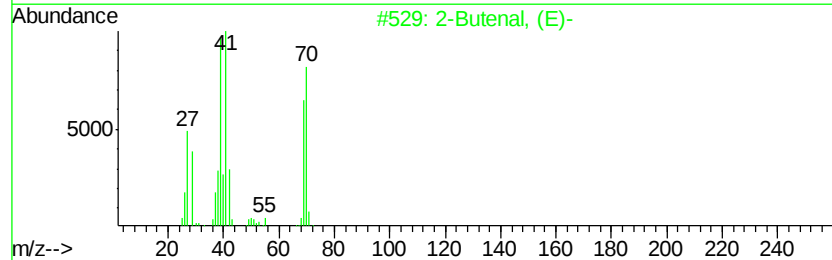
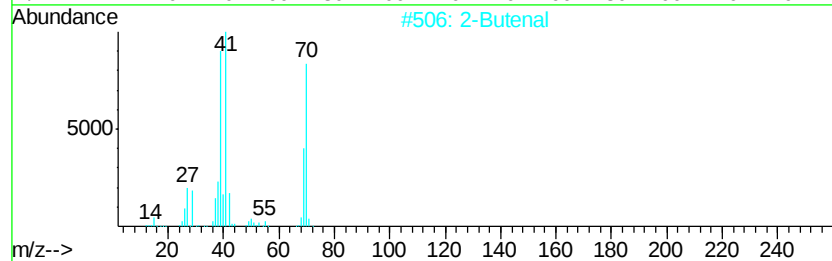
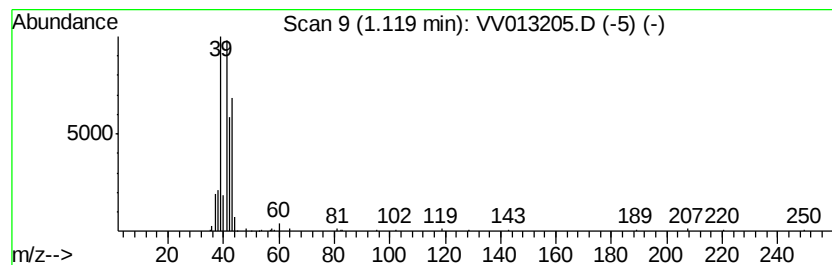
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Butenal Concentration Rank 3

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.12 | 0.80 ug/L | 167945 | 1,4-Difluorobenzene | 5.66 |

| Hit# of | 5                    | Tentative ID | MW | MolForm | CAS#        | Qual |
|---------|----------------------|--------------|----|---------|-------------|------|
| 1       | 2-Butenal            |              | 70 | C4H6O   | 004170-30-3 | 64   |
| 2       | 2-Butenal, (E)-      |              | 70 | C4H6O   | 000123-73-9 | 64   |
| 3       | 3-Butenoic acid      |              | 86 | C4H6O2  | 000625-38-7 | 64   |
| 4       | 1-Propyne, 3-chloro- |              | 74 | C3H3Cl  | 000624-65-7 | 50   |
| 5       | Dimethylketene       |              | 70 | C4H6O   | 000598-26-5 | 43   |



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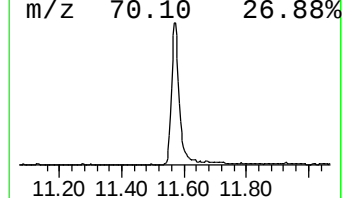
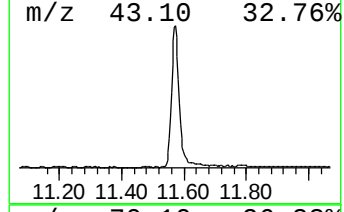
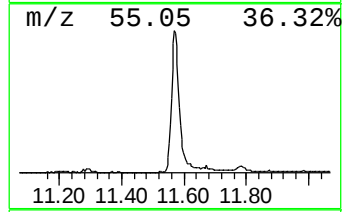
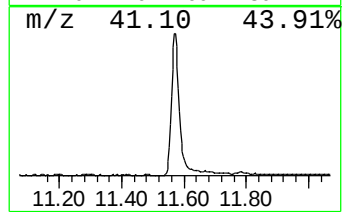
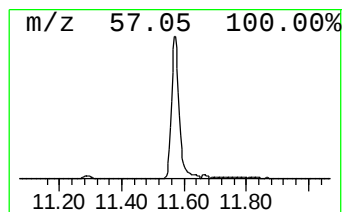
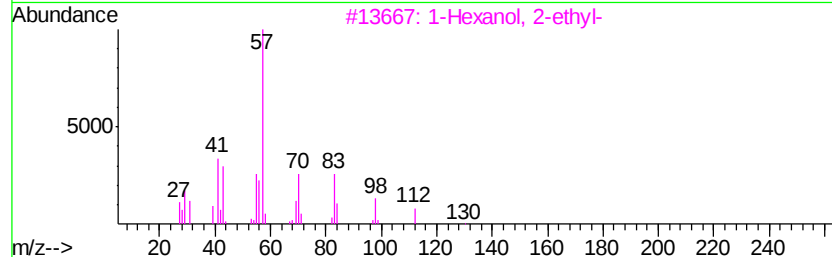
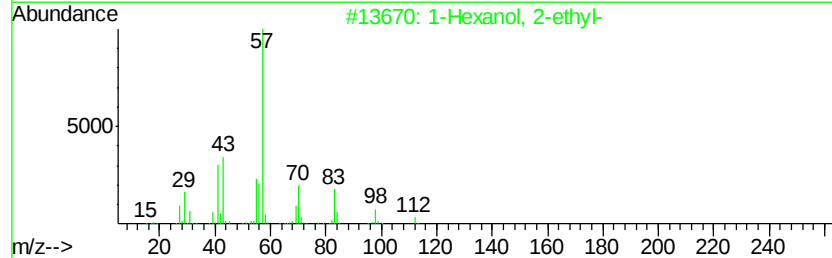
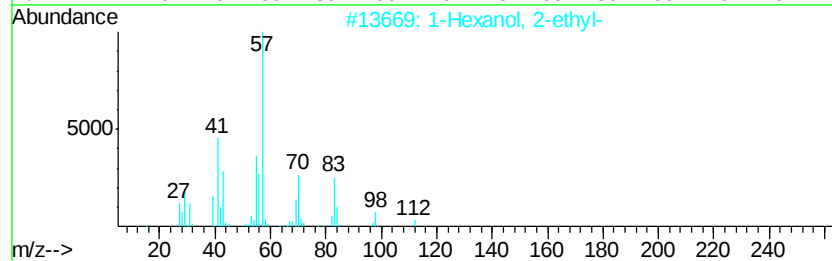
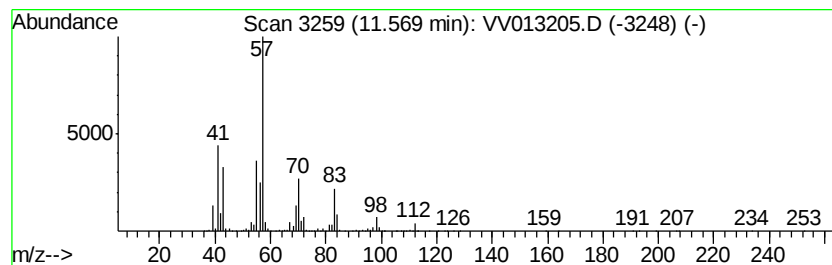
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Peak Number 3 1-Hexanol, 2-ethyl- Concentration Rank 1

| R.T.    | EstConc             | Area         | Relative to ISTD       | R.T.      |
|---------|---------------------|--------------|------------------------|-----------|
| 11.57   | 3.74 ug/L           | 1036050      | 1,4-Dichlorobenzene-d4 | 11.29     |
| Hit# of | 5                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | 1-Hexanol, 2-ethyl- | 130 C8H18O   | 000104-76-7            | 90        |
| 2       | 1-Hexanol, 2-ethyl- | 130 C8H18O   | 000104-76-7            | 83        |
| 3       | 1-Hexanol, 2-ethyl- | 130 C8H18O   | 000104-76-7            | 64        |
| 4       | 1-Hexanol, 2-ethyl- | 130 C8H18O   | 000104-76-7            | 64        |
| 5       | 2-Propyl-1-pentanol | 130 C8H18O   | 058175-57-8            | 53        |



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| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                     |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Butenal           | 1.12  | 0.8     | ug/L  | 167945   | 1                     | 5.66  | 1054270 | 5.0  |
| 1-Hexanol, 2-ethyl- | 11.57 | 3.7     | ug/L  | 1036050  | 3                     | 11.29 | 1385680 | 5.0  |