

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV043019\  
 Data File : VV010569.D  
 Acq On : 30 Apr 2019 00:50  
 Operator : SY/MD  
 Sample : K2590-10  
 Misc : 25mL/MSVOA V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0XA2

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\SOMVTR042719WMA.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         | 1.119       | 3             | 9           | 21           | rVB      | 93731          | 100001        | 14.28%          | 1.401%        |
| 2         | 1.222       | 36            | 41          | 51           | rVB      | 18894          | 20789         | 2.97%           | 0.291%        |
| 3         | 1.322       | 62            | 72          | 87           | rVB      | 79218          | 90178         | 12.88%          | 1.263%        |
| 4         | 1.505       | 118           | 129         | 133          | rVB      | 7065           | 11557         | 1.65%           | 0.162%        |
| 5         | 1.569       | 140           | 149         | 159          | rBV      | 48872          | 61159         | 8.73%           | 0.857%        |
| 6         | 1.765       | 201           | 210         | 221          | rVB      | 88949          | 112877        | 16.12%          | 1.581%        |
| 7         | 2.126       | 312           | 322         | 334          | rBV      | 135919         | 192492        | 27.49%          | 2.697%        |
| 8         | 2.190       | 334           | 342         | 354          | rVB      | 30146          | 45438         | 6.49%           | 0.637%        |
| 9         | 2.312       | 371           | 380         | 393          | rVB      | 26745          | 45527         | 6.50%           | 0.638%        |
| 10        | 2.656       | 472           | 487         | 504          | rBV2     | 28501          | 66627         | 9.51%           | 0.933%        |
| 11        | 3.936       | 870           | 885         | 908          | rBV      | 87620          | 240291        | 34.32%          | 3.367%        |
| 12        | 4.129       | 932           | 945         | 963          | rBV3     | 31178          | 75174         | 10.74%          | 1.053%        |
| 13        | 4.402       | 1013          | 1030        | 1056         | rBV3     | 124496         | 326188        | 46.58%          | 4.570%        |
| 14        | 5.097       | 1228          | 1246        | 1267         | rBV2     | 285968         | 700250        | 100.00%         | 9.811%        |
| 15        | 5.666       | 1409          | 1423        | 1442         | rBV      | 231296         | 471089        | 67.27%          | 6.600%        |
| 16        | 5.961       | 1501          | 1515        | 1528         | rBV2     | 57590          | 112478        | 16.06%          | 1.576%        |
| 17        | 6.119       | 1550          | 1564        | 1578         | rBV      | 155912         | 321563        | 45.92%          | 4.505%        |
| 18        | 7.029       | 1836          | 1847        | 1867         | rBV2     | 77764          | 138224        | 19.74%          | 1.937%        |
| 19        | 7.360       | 1936          | 1950        | 1968         | rBV      | 339145         | 616600        | 88.05%          | 8.639%        |
| 20        | 7.662       | 2034          | 2044        | 2061         | rBV2     | 44387          | 79234         | 11.32%          | 1.110%        |
| 21        | 8.019       | 2128          | 2155        | 2179         | rBV      | 309511         | 571382        | 81.60%          | 8.005%        |
| 22        | 8.132       | 2179          | 2190        | 2210         | rBV      | 349913         | 594350        | 84.88%          | 8.327%        |
| 23        | 8.897       | 2410          | 2428        | 2450         | rBV      | 349833         | 608629        | 86.92%          | 8.527%        |
| 24        | 10.260      | 2841          | 2852        | 2872         | rBV2     | 128293         | 205496        | 29.35%          | 2.879%        |
| 25        | 10.421      | 2890          | 2902        | 2914         | rVB3     | 10858          | 18128         | 2.59%           | 0.254%        |
| 26        | 11.296      | 3160          | 3174        | 3194         | rBV      | 334570         | 535863        | 76.52%          | 7.508%        |
| 27        | 11.579      | 3250          | 3262        | 3279         | rBV      | 86309          | 155173        | 22.16%          | 2.174%        |
| 28        | 11.672      | 3279          | 3291        | 3309         | rVB      | 383641         | 620650        | 88.63%          | 8.696%        |

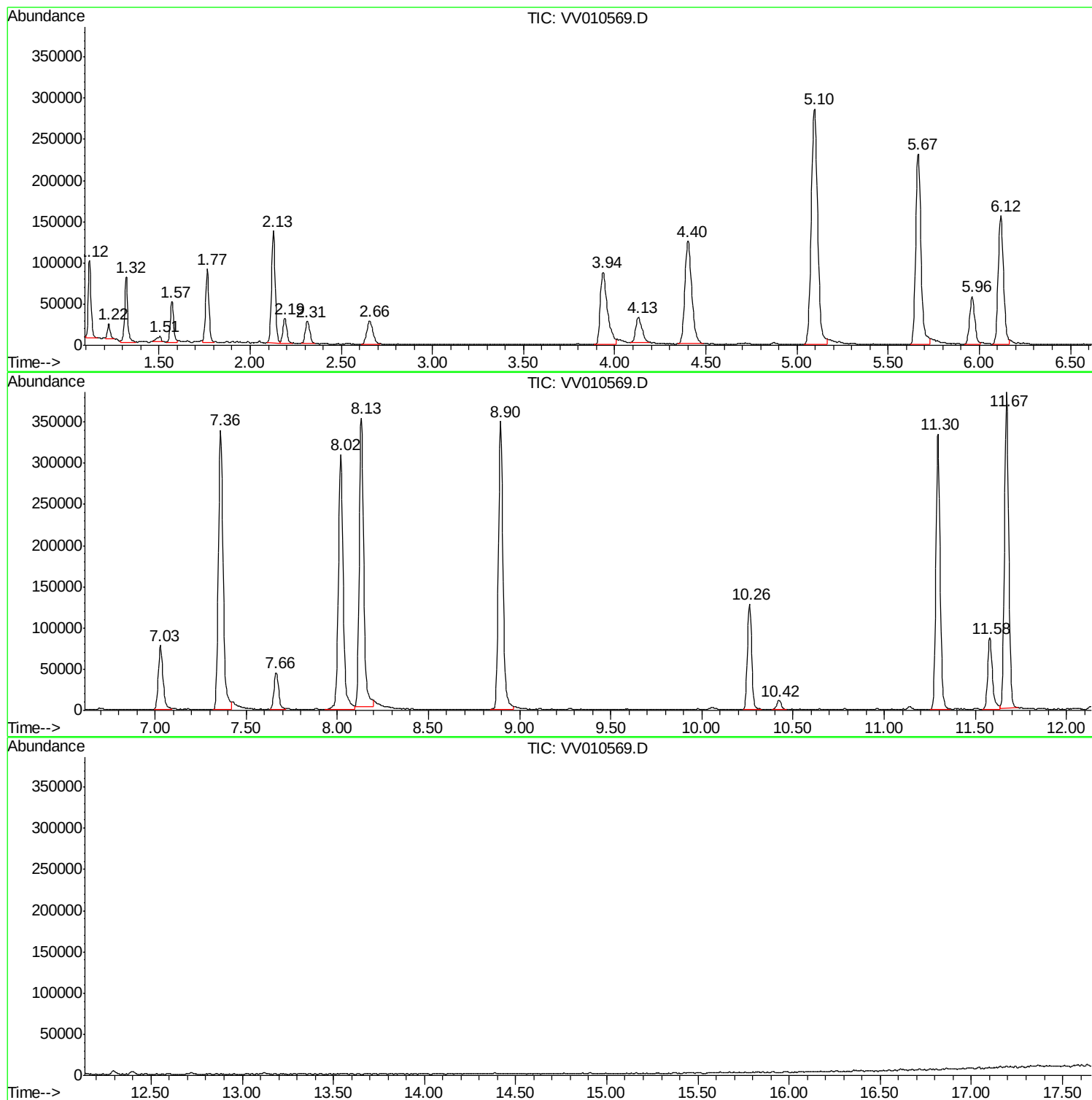
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ClientSampleId :  
C0XA2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042719WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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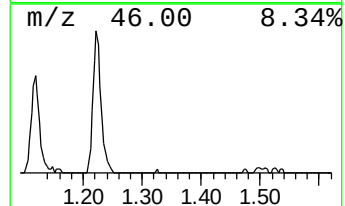
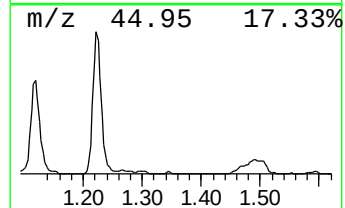
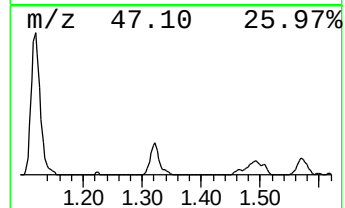
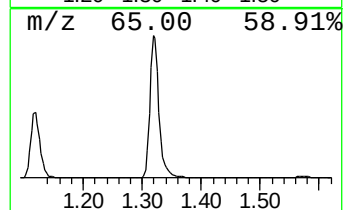
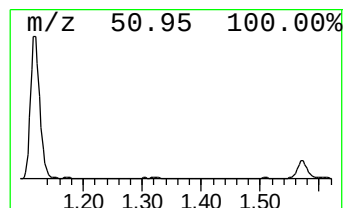
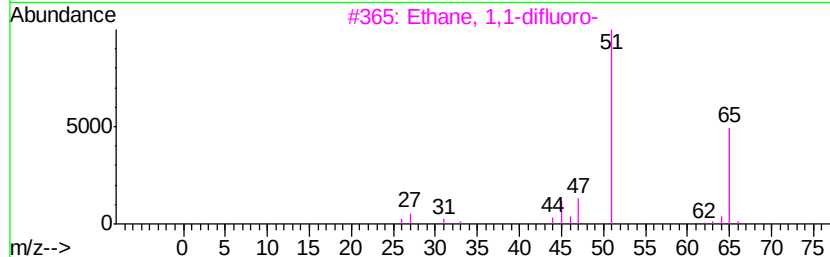
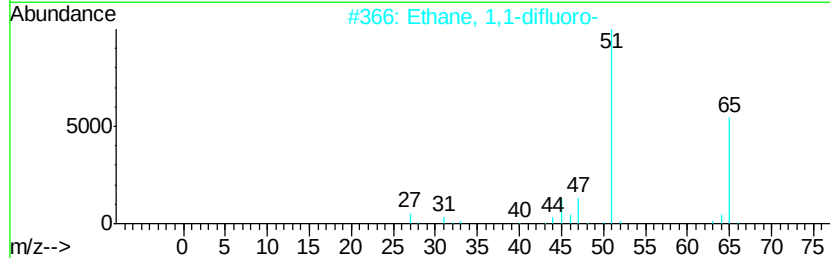
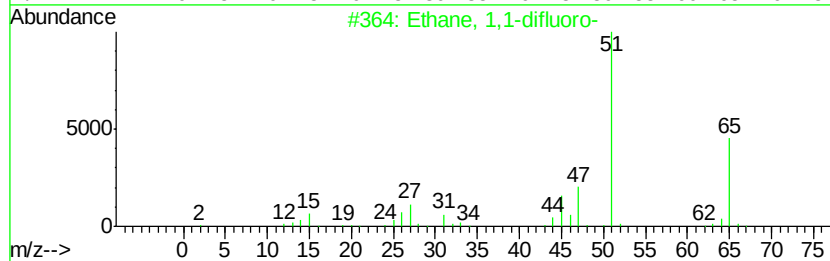
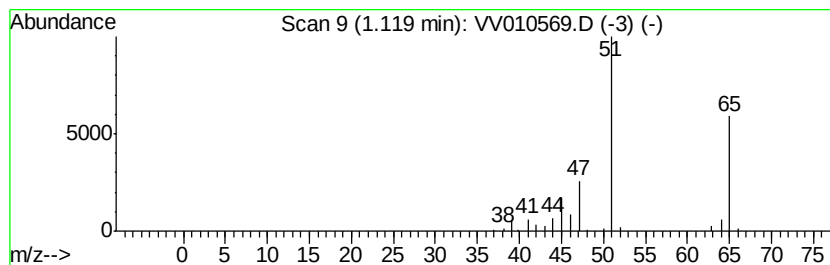
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 1 Ethane, 1,1-difluoro- Concentration Rank 3

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.12 | 1.06 ug/L | 100001 | 1,4-Difluorobenzene | 5.67 |

| Hit# | of | 5 | Tentative ID           | MW | MolForm | CAS#        | Qual |
|------|----|---|------------------------|----|---------|-------------|------|
| 1    |    |   | Ethane, 1,1-difluoro-  | 66 | C2H4F2  | 000075-37-6 | 91   |
| 2    |    |   | Ethane, 1,1-difluoro-  | 66 | C2H4F2  | 000075-37-6 | 90   |
| 3    |    |   | Ethane, 1,1-difluoro-  | 66 | C2H4F2  | 000075-37-6 | 90   |
| 4    |    |   | Propane, 2,2-difluoro- | 80 | C3H6F2  | 000420-45-1 | 4    |
| 5    |    |   | Propiolonitrile        | 51 | C3HN    | 001070-71-9 | 3    |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042719WMA.M  
Quant Title : TRACE VOA SOM01.0

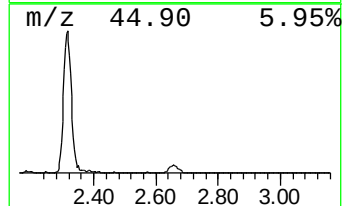
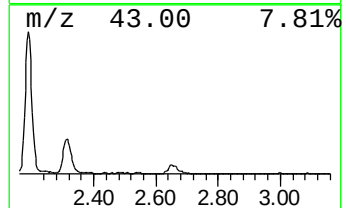
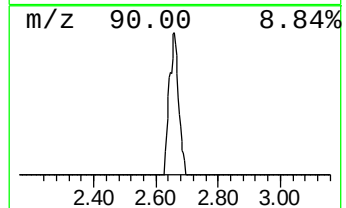
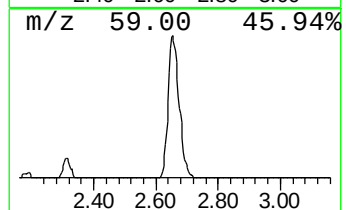
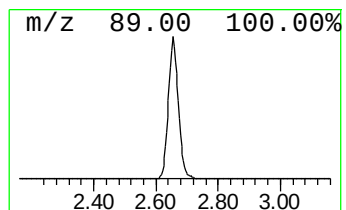
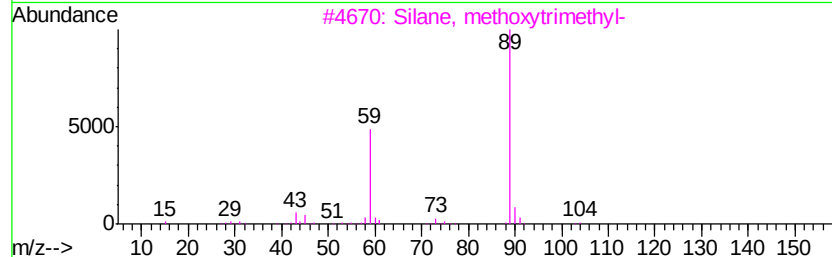
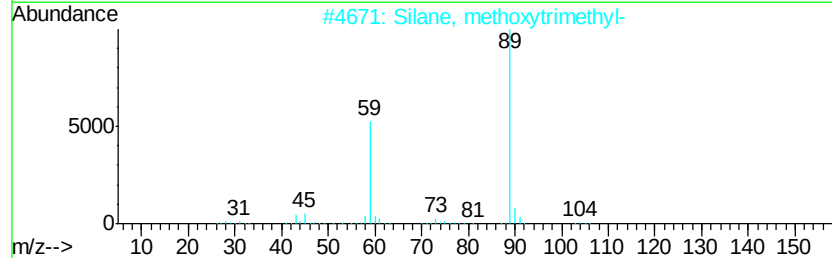
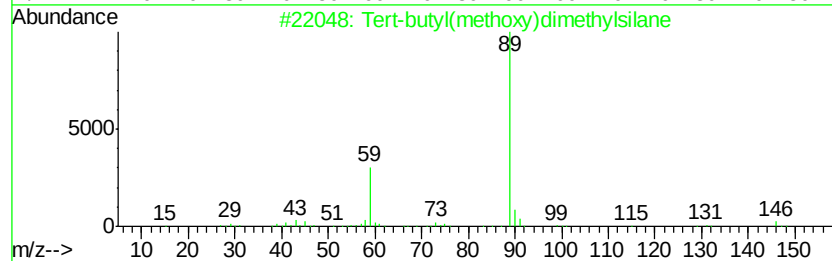
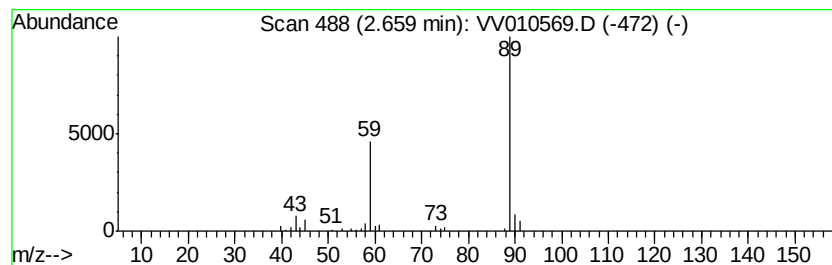
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Tert-butyl(methoxy)dimethyl... Concentration Rank 5

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.66 | 0.71 ug/L | 66627 | 1,4-Difluorobenzene | 5.67 |

| Hit# | of | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Tert-butyl(methoxy)dimethylsilane  | 146 | C7H18OSi | 1000364-10-7 | 83   |
| 2    |    | Silane, methoxytrimethyl-          | 104 | C4H12OSi | 001825-61-2  | 83   |
| 3    |    | Silane, methoxytrimethyl-          | 104 | C4H12OSi | 001825-61-2  | 83   |
| 4    |    | Silane, (2-methoxyethyl)trimethyl- | 132 | C6H16OSi | 018173-63-2  | 74   |
| 5    |    | Thiazole, tetrahydro-              | 89  | C3H7NS   | 000504-78-9  | 9    |



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Instrument :  
MSVOA\_V  
ClientSampled :  
C0XA2

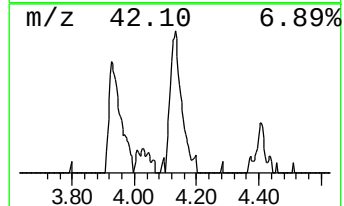
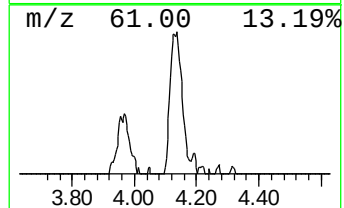
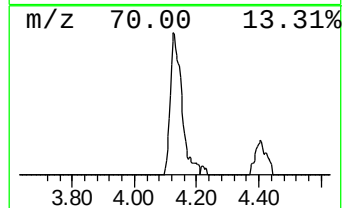
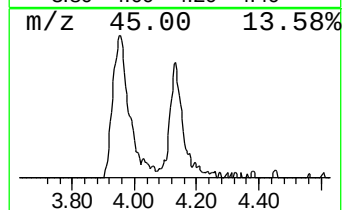
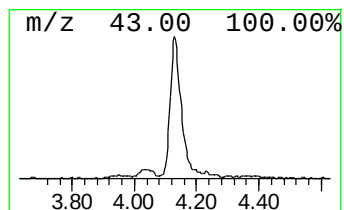
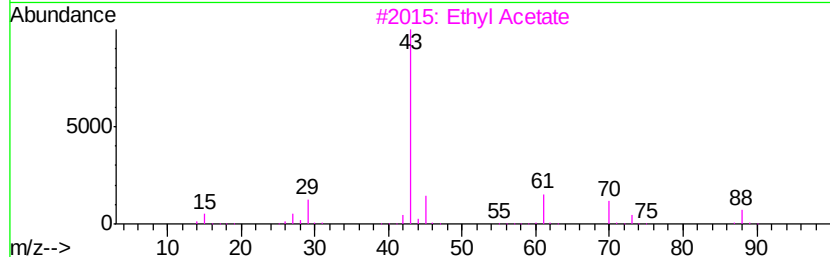
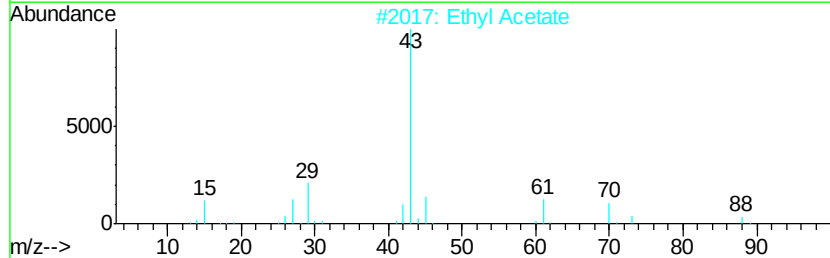
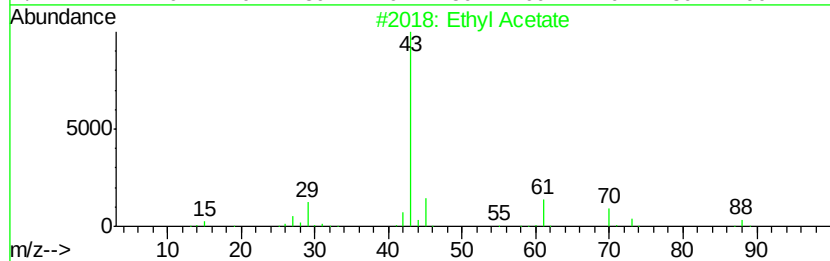
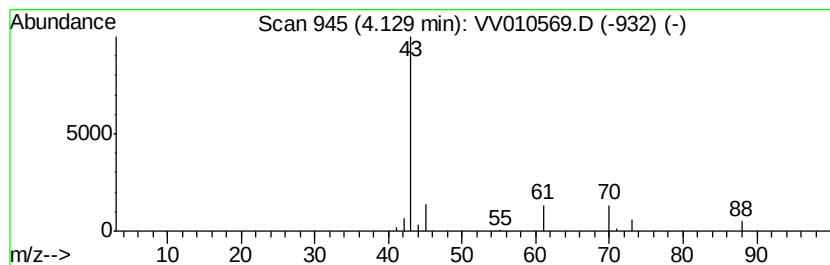
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042719WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 3 Ethyl Acetate Concentration Rank 4

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 4.13 | 0.80 ug/L | 75174 | 1,4-Difluorobenzene | 5.67 |

| Hit# | of | Tentative ID    | MW | MolForm | CAS#        | Qual |
|------|----|-----------------|----|---------|-------------|------|
| 1    | 5  | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 90   |
| 2    |    | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 90   |
| 3    |    | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 90   |
| 4    |    | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 90   |
| 5    |    | CH3C(O)CH2CH2OH | 88 | C4H8O2  | 000590-90-9 | 78   |



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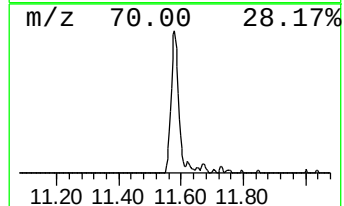
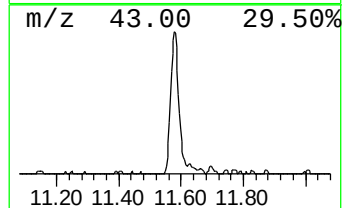
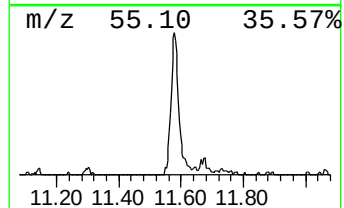
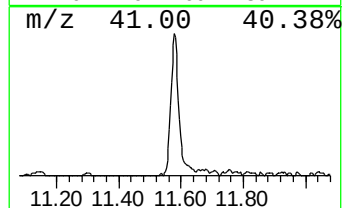
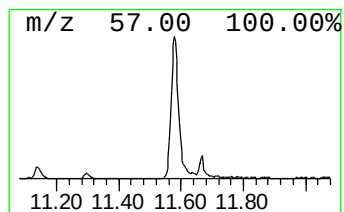
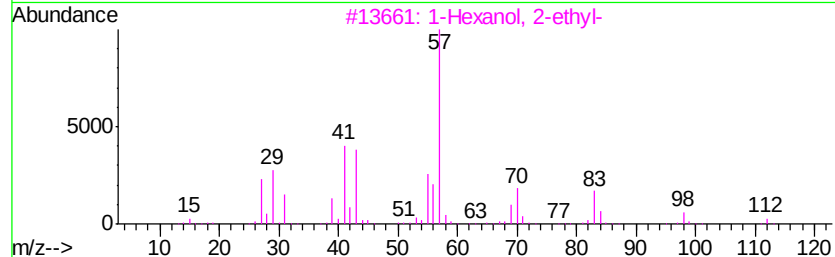
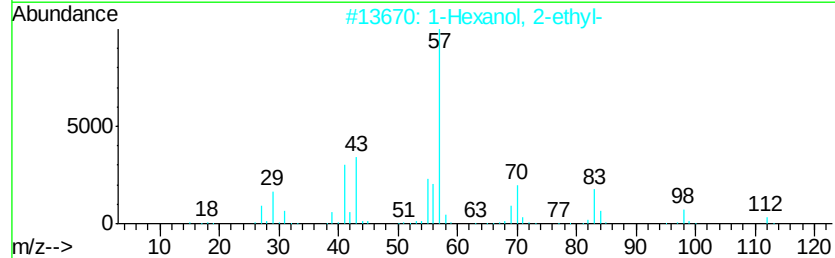
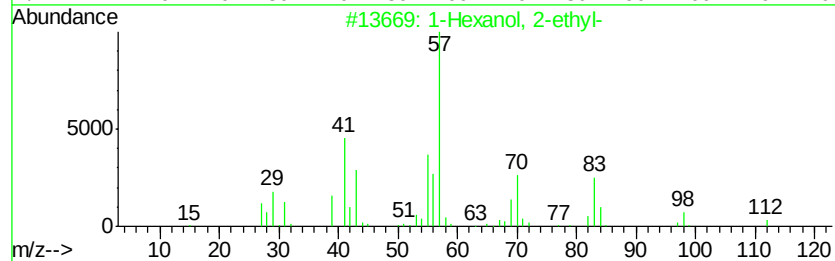
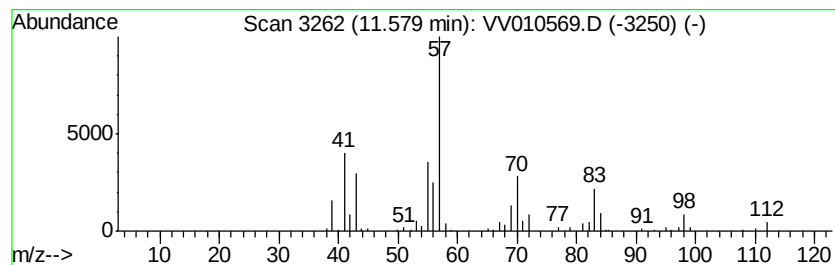
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Peak Number 5 1-Hexanol, 2-ethyl- Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 11.58 | 1.45 ug/L | 155173 | 1,4-Dichlorobenzene-d4 | 11.30 |

| 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 | 72   |
| 3       | 1-Hexanol, 2-ethyl-                 |              | 130 | C8H18O   | 000104-76-7 | 72   |
| 4       | Oxirane, [[(2-ethylhexyl)oxy]met... |              | 186 | C11H22O2 | 002461-15-6 | 64   |
| 5       | Oxirane, [[(2-ethylhexyl)oxy]met... |              | 186 | C11H22O2 | 002461-15-6 | 56   |



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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 |
| Ethane, 1,1-diflu... | 1.12  | 1.1     | ug/L  | 100001   | 1                     | 5.67  | 471089 | 5.0  |
| Tert-butyl(methox... | 2.66  | 0.7     | ug/L  | 66627    | 1                     | 5.67  | 471089 | 5.0  |
| Ethyl Acetate        | 4.13  | 0.8     | ug/L  | 75174    | 1                     | 5.67  | 471089 | 5.0  |
| 1-Hexanol, 2-ethyl-  | 11.58 | 1.5     | ug/L  | 155173   | 3                     | 11.30 | 535863 | 5.0  |