

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV043019\  
 Data File : VV010562.D  
 Acq On : 29 Apr 2019 21:53  
 Operator : SY/MD  
 Sample : K2590-01  
 Misc : 25mL/MSVOA V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0X67

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           | 22           | rVB      | 101253         | 107602        | 15.27%          | 1.686%        |
| 2         | 1.222       | 36            | 41          | 50           | rVB      | 16400          | 17323         | 2.46%           | 0.271%        |
| 3         | 1.319       | 63            | 71          | 84           | rVB      | 79158          | 90094         | 12.78%          | 1.412%        |
| 4         | 1.486       | 110           | 123         | 124          | rBV6     | 5788           | 7090          | 1.01%           | 0.111%        |
| 5         | 1.569       | 141           | 149         | 159          | rBV      | 52625          | 64699         | 9.18%           | 1.014%        |
| 6         | 2.126       | 312           | 322         | 333          | rBV      | 139998         | 195876        | 27.79%          | 3.069%        |
| 7         | 2.190       | 333           | 342         | 353          | rVB      | 17969          | 28618         | 4.06%           | 0.448%        |
| 8         | 2.315       | 371           | 381         | 393          | rVB      | 19253          | 34234         | 4.86%           | 0.536%        |
| 9         | 2.650       | 474           | 485         | 486          | rBV7     | 11686          | 13458         | 1.91%           | 0.211%        |
| 10        | 3.936       | 870           | 885         | 911          | rBV      | 82327          | 233925        | 33.19%          | 3.665%        |
| 11        | 4.132       | 935           | 946         | 964          | rBV3     | 26282          | 65299         | 9.27%           | 1.023%        |
| 12        | 4.402       | 1012          | 1030        | 1052         | rBV3     | 120524         | 323593        | 45.91%          | 5.071%        |
| 13        | 5.097       | 1227          | 1246        | 1270         | rBV2     | 284433         | 704772        | 100.00%         | 11.043%       |
| 14        | 5.662       | 1409          | 1422        | 1444         | rBV2     | 237899         | 491931        | 69.80%          | 7.708%        |
| 15        | 5.961       | 1503          | 1515        | 1529         | rBV6     | 16111          | 34237         | 4.86%           | 0.536%        |
| 16        | 6.116       | 1547          | 1563        | 1583         | rBV2     | 157840         | 325390        | 46.17%          | 5.099%        |
| 17        | 7.029       | 1835          | 1847        | 1865         | rBV      | 79054          | 142252        | 20.18%          | 2.229%        |
| 18        | 7.360       | 1935          | 1950        | 1967         | rBV      | 335413         | 611931        | 86.83%          | 9.589%        |
| 19        | 7.662       | 2034          | 2044        | 2060         | rBV      | 46380          | 79173         | 11.23%          | 1.241%        |
| 20        | 8.132       | 2176          | 2190        | 2205         | rBV      | 350270         | 592233        | 84.03%          | 9.280%        |
| 21        | 8.894       | 2411          | 2427        | 2453         | rBV      | 358585         | 623770        | 88.51%          | 9.774%        |
| 22        | 10.058      | 2777          | 2789        | 2796         | rBV3     | 4633           | 7826          | 1.11%           | 0.123%        |
| 23        | 10.260      | 2840          | 2852        | 2869         | rBV2     | 128105         | 204978        | 29.08%          | 3.212%        |
| 24        | 10.421      | 2891          | 2902        | 2913         | rBV2     | 7648           | 12300         | 1.75%           | 0.193%        |
| 25        | 11.138      | 3116          | 3125        | 3139         | rBV3     | 12704          | 19913         | 2.83%           | 0.312%        |
| 26        | 11.296      | 3160          | 3174        | 3195         | rBV      | 348932         | 571267        | 81.06%          | 8.951%        |
| 27        | 11.579      | 3251          | 3262        | 3279         | rBV      | 87947          | 153256        | 21.75%          | 2.401%        |
| 28        | 11.672      | 3279          | 3291        | 3306         | rVB      | 389524         | 624824        | 88.66%          | 9.791%        |

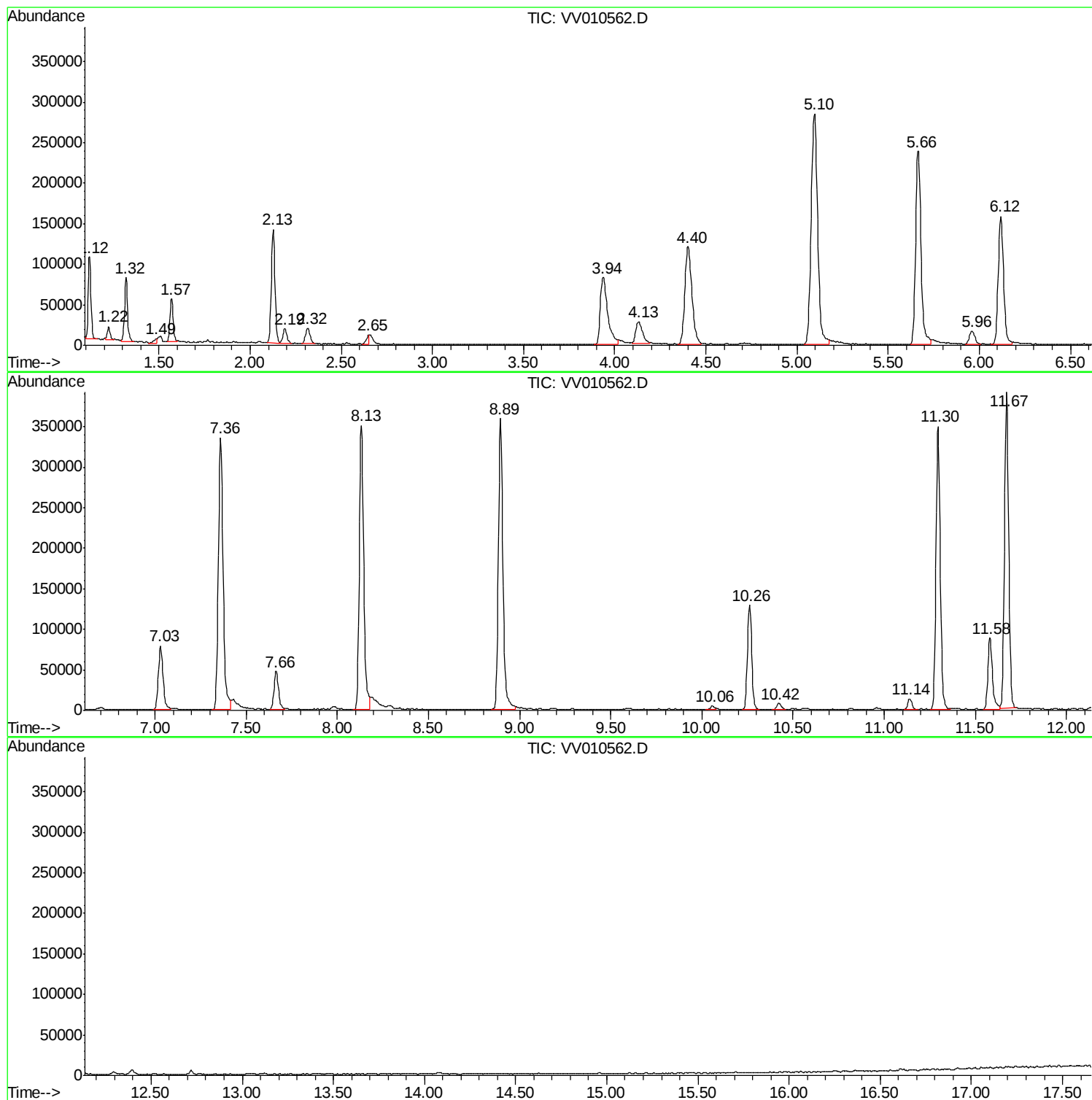
Sum of corrected areas: 6381864

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV043019\  
Data File : VV010562.D  
Acq On : 29 Apr 2019 21:53  
Operator : SY/MD  
Sample : K2590-01  
Misc : 25mL/MSVOA V/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0X67

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV043019\  
Data File : VV010562.D  
Acq On : 29 Apr 2019 21:53  
Operator : SY/MD  
Sample : K2590-01  
Misc : 25mL/MSVOA V/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0X67

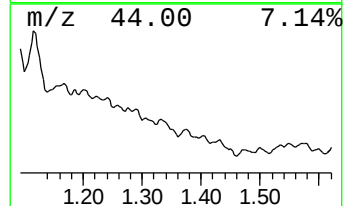
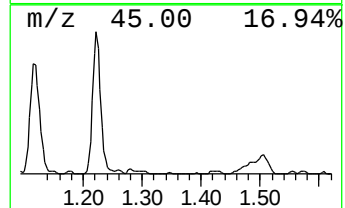
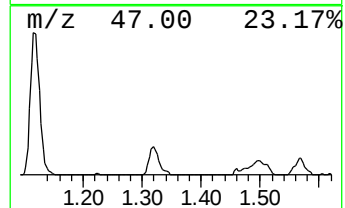
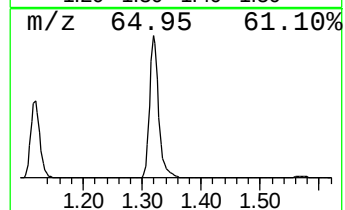
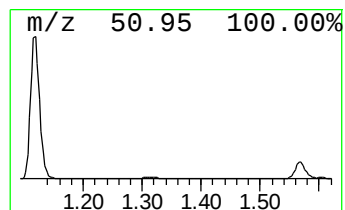
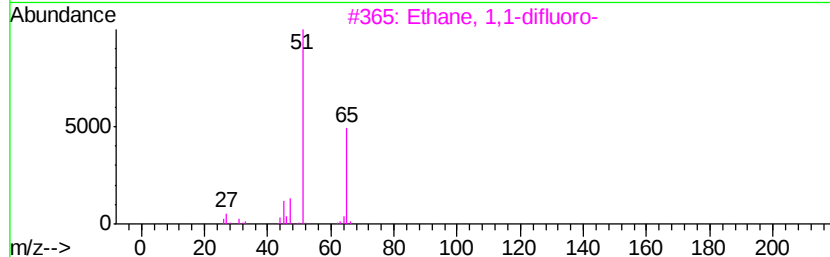
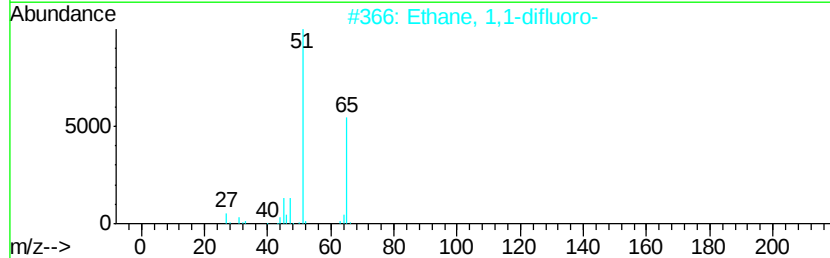
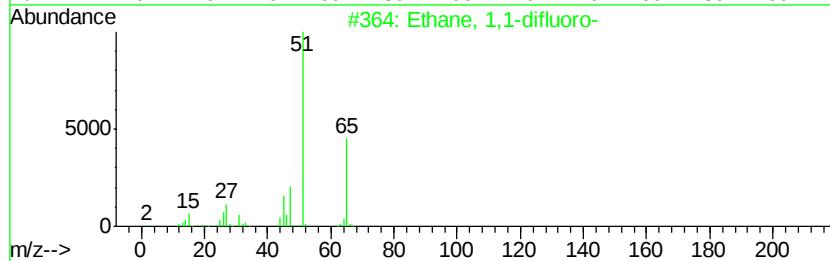
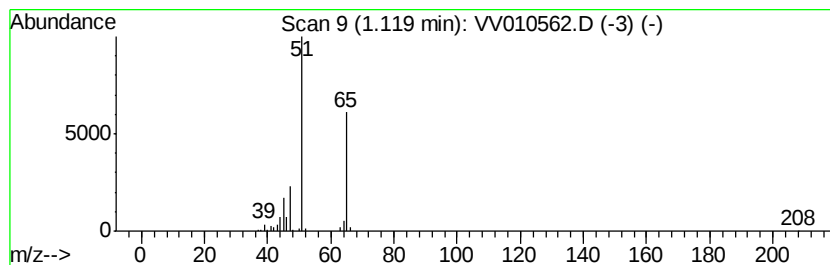
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042719WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.12 | 1.09 ug/L | 107602 | 1,4-Difluorobenzene | 5.66 |

| 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 | 25   |
| 4    |    |   | Ethane, 1-chloro-1,1-difluoro- | 100 | C2H3ClF2 | 000075-68-3 | 12   |
| 5    |    |   | Ethane, 1-chloro-1,1-difluoro- | 100 | C2H3ClF2 | 000075-68-3 | 10   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV043019\  
Data File : VV010562.D  
Acq On : 29 Apr 2019 21:53  
Operator : SY/MD  
Sample : K2590-01  
Misc : 25mL/MSVOA V/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0X67

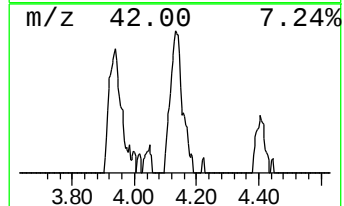
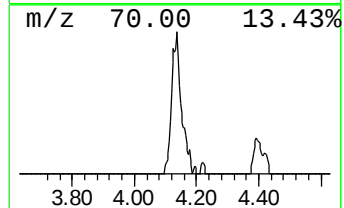
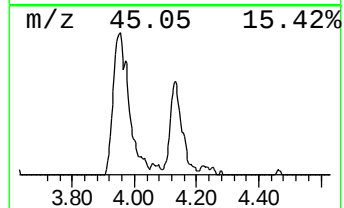
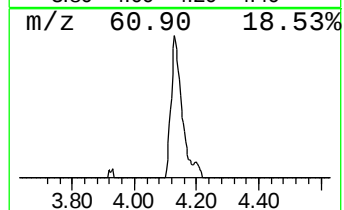
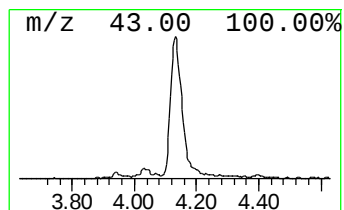
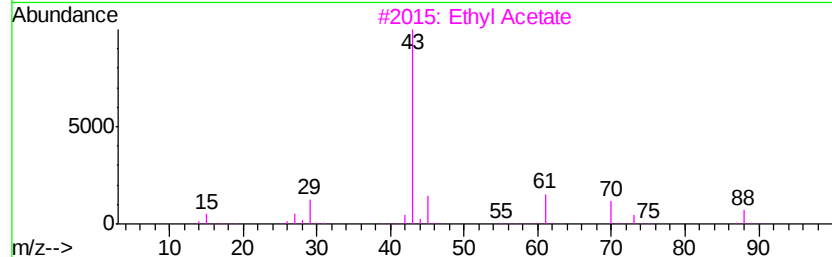
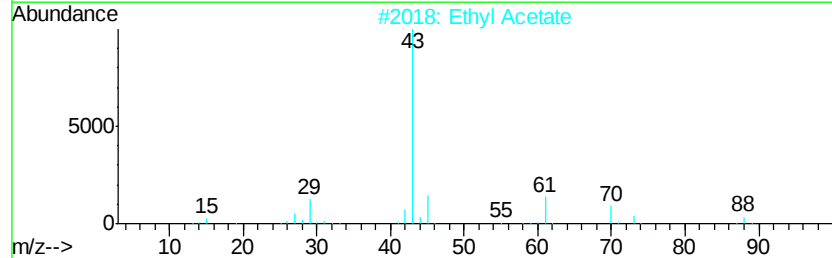
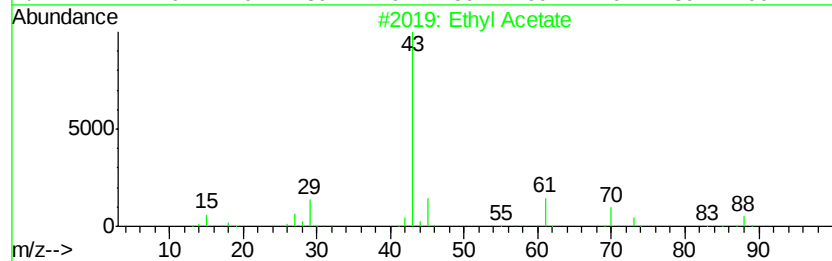
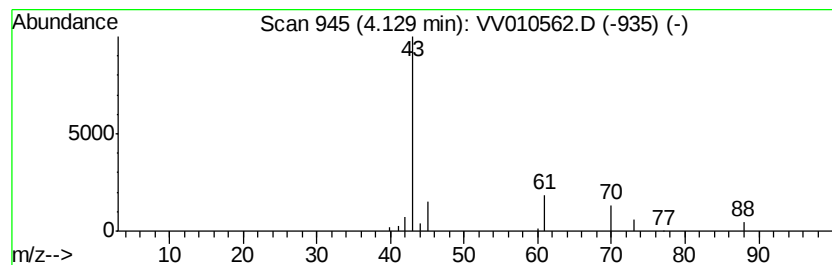
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042719WMA.M  
Quant Title : TRACE VOA SOM01.0

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

\*\*\*\*\*  
Peak Number 2 Ethyl Acetate Concentration Rank 4

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 4.13 | 0.66 ug/L | 65299 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | 5 | Tentative ID    | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------|----|---------|-------------|------|
| 1    |    |   | 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 | 83   |
| 4    |    |   | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 83   |
| 5    |    |   | CH3C(O)CH2CH2OH | 88 | C4H8O2  | 000590-90-9 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV043019\  
Data File : VV010562.D  
Acq On : 29 Apr 2019 21:53  
Operator : SY/MD  
Sample : K2590-01  
Misc : 25mL/MSVOA V/WATER  
ALS Vial : 15 Sample Multiplier: 1

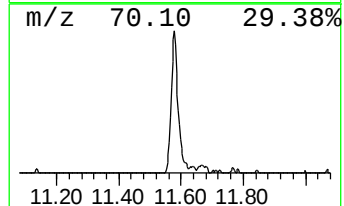
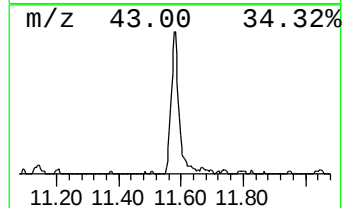
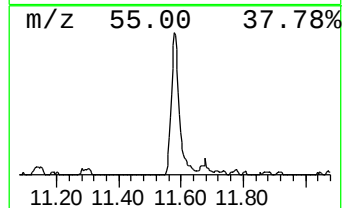
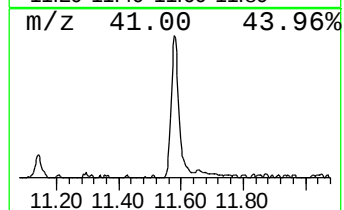
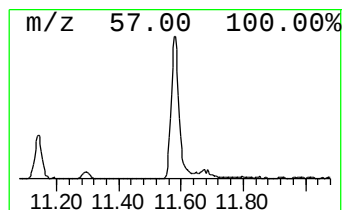
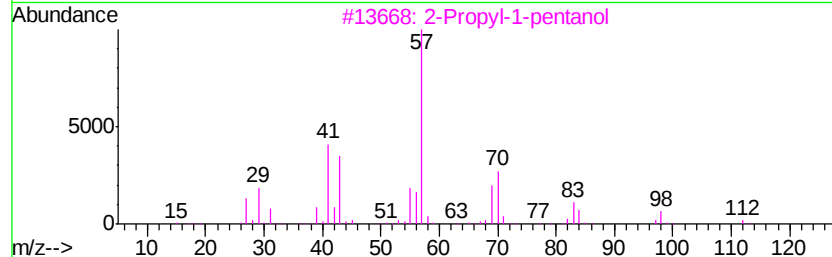
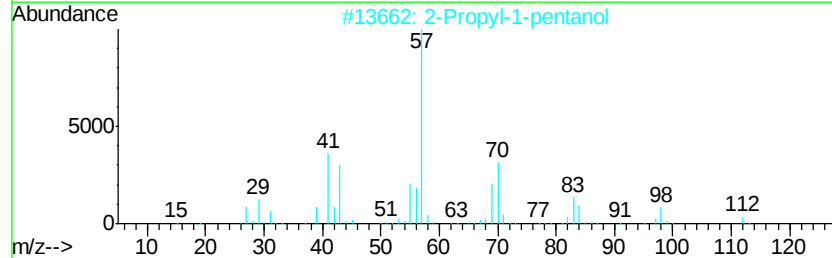
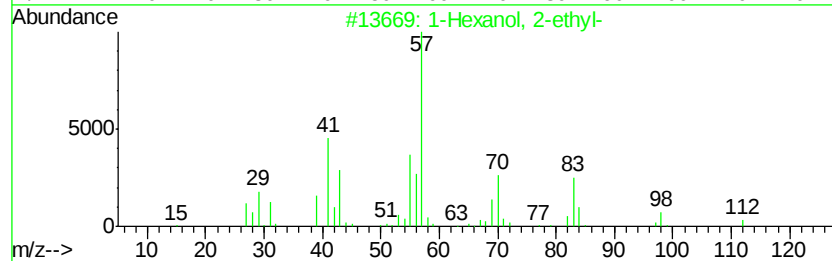
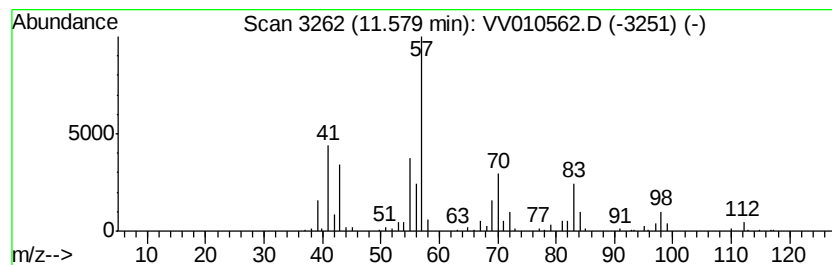
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0X67

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

\*\*\*\*\*  
Peak Number 4 1-Hexanol, 2-ethyl- Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD       |     | R.T.    |             |      |
|-------|-----------|--------|------------------------|-----|---------|-------------|------|
| 11.58 | 1.34 ug/L | 153256 | 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 | 86   |
| 2     |           |        | 2-Propyl-1-pentanol    | 130 | C8H18O  | 058175-57-8 | 64   |
| 3     |           |        | 2-Propyl-1-pentanol    | 130 | C8H18O  | 058175-57-8 | 59   |
| 4     |           |        | 1-Hexanol, 2-ethyl-    | 130 | C8H18O  | 000104-76-7 | 53   |
| 5     |           |        | 1-Hexanol, 2-ethyl-    | 130 | C8H18O  | 000104-76-7 | 53   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV043019\  
Data File : VV010562.D  
Acq On : 29 Apr 2019 21:53  
Operator : SY/MD  
Sample : K2590-01  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0X67

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

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  | 107602   | 1                     | 5.66  | 491931 | 5.0  |
| Ethyl Acetate        | 4.13  | 0.7     | ug/L  | 65299    | 1                     | 5.66  | 491931 | 5.0  |
| 1-Hexanol, 2-ethyl-  | 11.58 | 1.3     | ug/L  | 153256   | 3                     | 11.30 | 571267 | 5.0  |