

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100120\  
 Data File : VU040439.D  
 Acq On : 01 Oct 2020 23:01  
 Operator : SY/MD  
 Sample : L4240-09  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BG3S7

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\_U\METHOD\SOMUTR092920WMA.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         | 3.102       | 517           | 548         | 576          | rBV      | 12444827       | 30241933      | 34.07%          | 12.402%       |
| 2         | 3.385       | 614           | 636         | 665          | rBV      | 30830569       | 69158469      | 77.91%          | 28.361%       |
| 3         | 3.729       | 720           | 743         | 770          | rBV2     | 38773534       | 88761991      | 100.00%         | 36.400%       |
| 4         | 4.317       | 907           | 926         | 947          | rBV      | 1190834        | 3276655       | 3.69%           | 1.344%        |
| 5         | 4.456       | 954           | 969         | 982          | rBV      | 744076         | 1809718       | 2.04%           | 0.742%        |
| 6         | 4.555       | 982           | 1000        | 1018         | rVV      | 14305812       | 34041158      | 38.35%          | 13.960%       |
| 7         | 5.407       | 1245          | 1265        | 1280         | rBV      | 1294390        | 2943691       | 3.32%           | 1.207%        |
| 8         | 9.449       | 2499          | 2522        | 2537         | rBV      | 4688661        | 8032604       | 9.05%           | 3.294%        |
| 9         | 11.738      | 3220          | 3234        | 3245         | rBV      | 688989         | 1095570       | 1.23%           | 0.449%        |
| 10        | 11.832      | 3245          | 3263        | 3275         | rVB2     | 1274351        | 2431627       | 2.74%           | 0.997%        |
| 11        | 13.828      | 3872          | 3884        | 3899         | rBV      | 1296489        | 2059512       | 2.32%           | 0.845%        |

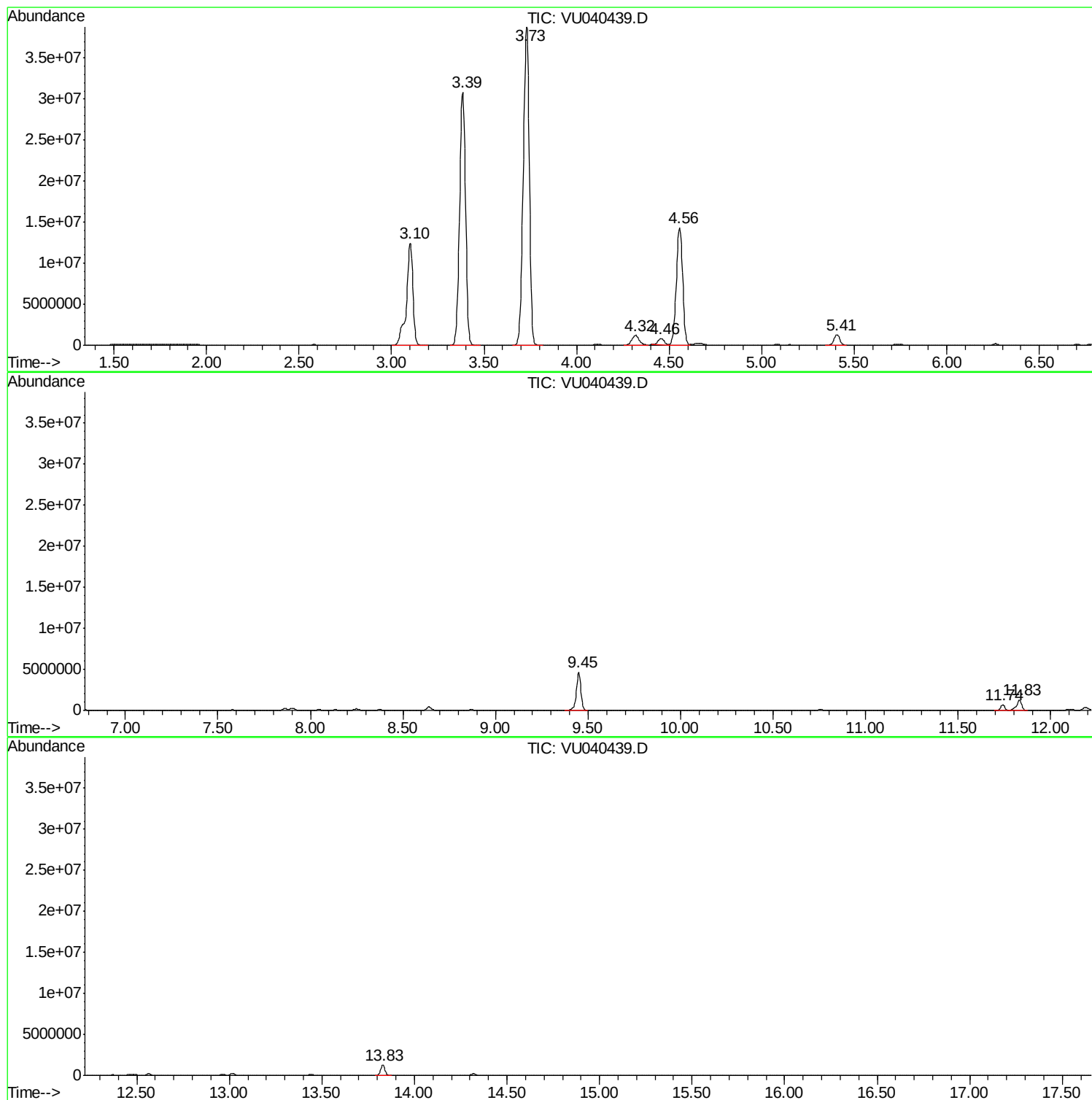
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100120\  
Data File : VU040439.D  
Acq On : 01 Oct 2020 23:01  
Operator : SY/MD  
Sample : L4240-09  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BG3S7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR092920WMA.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

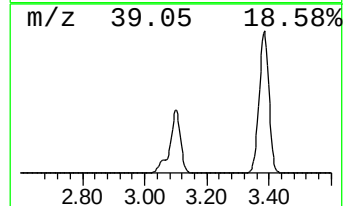
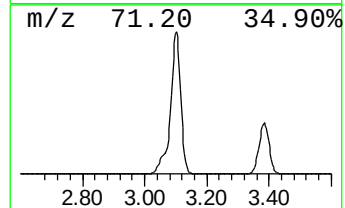
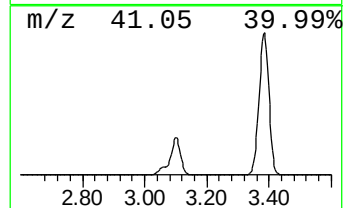
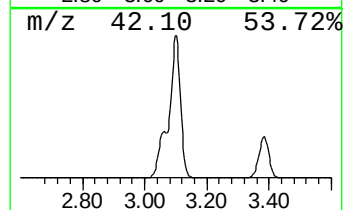
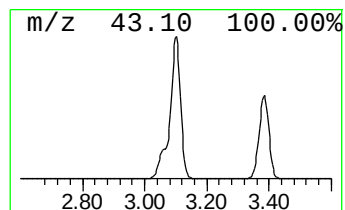
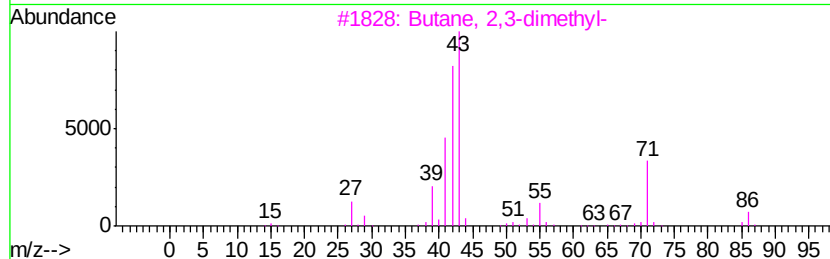
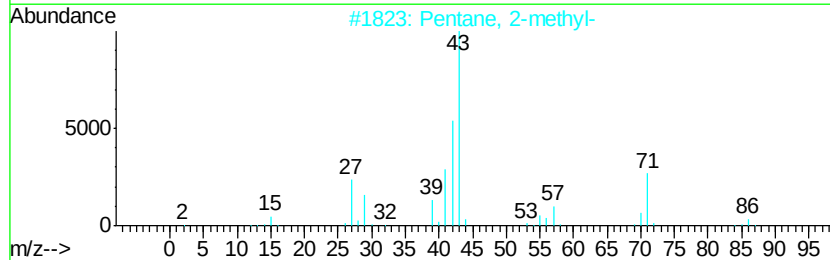
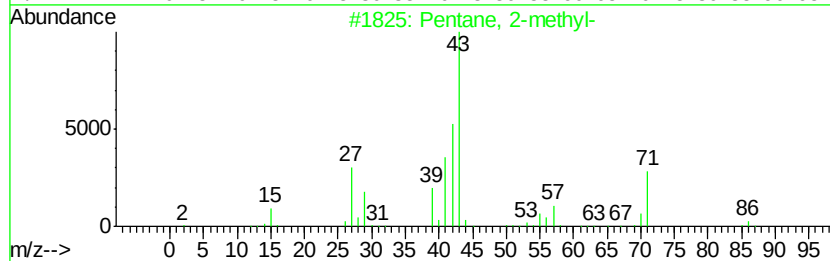
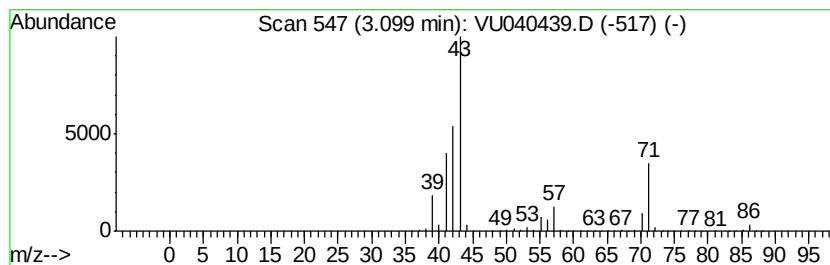
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc    | Area     | Relative to ISTD    | R.T. |
|------|------------|----------|---------------------|------|
| 3.10 | 51.37 ug/L | 30241900 | 1,4-Difluorobenzene | 6.26 |

| Hit# | of | Tentative ID          | MW | MolForm | CAS#        | Qual |
|------|----|-----------------------|----|---------|-------------|------|
| 1    | 5  | Pentane, 2-methyl-    | 86 | C6H14   | 000107-83-5 | 91   |
| 2    |    | Pentane, 2-methyl-    | 86 | C6H14   | 000107-83-5 | 91   |
| 3    |    | Butane, 2,3-dimethyl- | 86 | C6H14   | 000079-29-8 | 49   |
| 4    |    | Pentane               | 72 | C5H12   | 000109-66-0 | 38   |
| 5    |    | 1-Propanol, 2-methyl- | 74 | C4H10O  | 000078-83-1 | 33   |



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ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampled :  
BG3S7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR092920WMA.M  
Quant Title : TRACE VOA SOM01.0

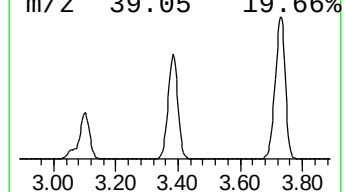
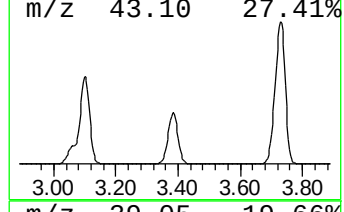
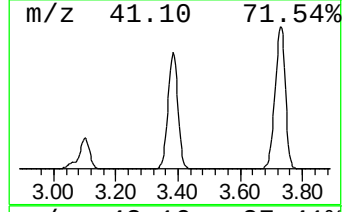
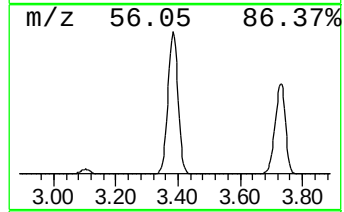
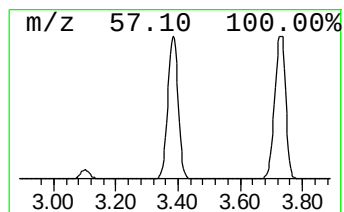
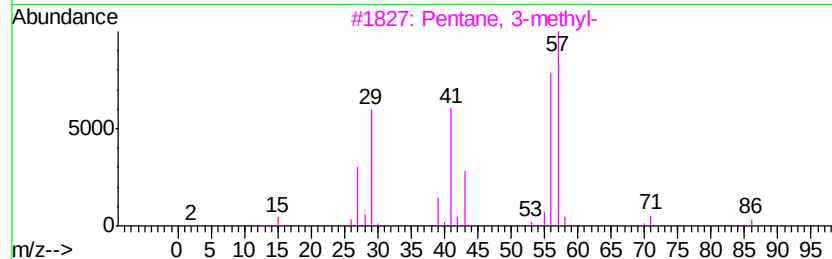
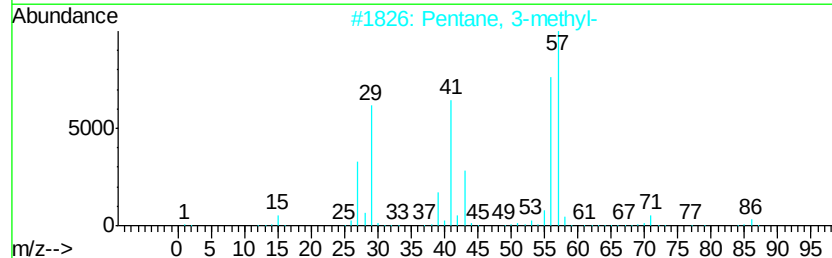
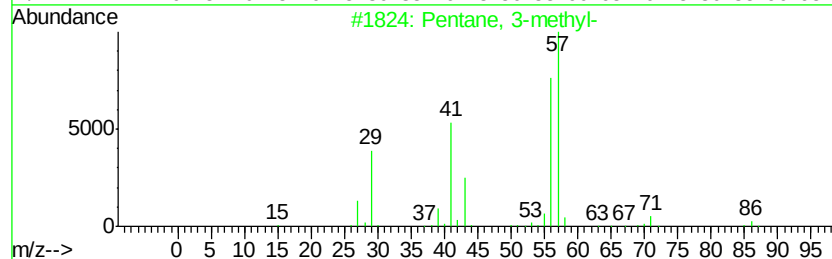
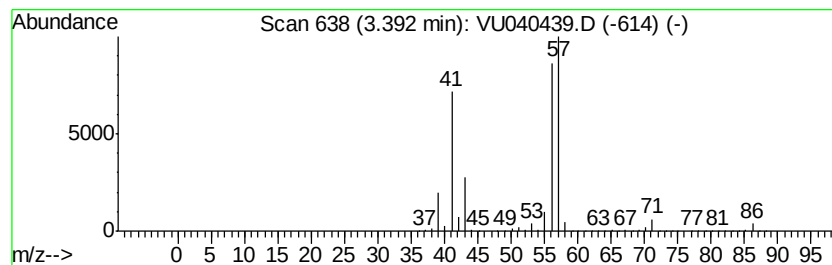
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc     | Area     | Relative to ISTD    | R.T. |
|------|-------------|----------|---------------------|------|
| 3.39 | 117.47 ug/L | 69158500 | 1,4-Difluorobenzene | 6.26 |

| Hit# | of | Tentative ID                   | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------|-----|----------|-------------|------|
| 1    | 5  | Pentane, 3-methyl-             | 86  | C6H14    | 000096-14-0 | 91   |
| 2    |    | Pentane, 3-methyl-             | 86  | C6H14    | 000096-14-0 | 91   |
| 3    |    | Pentane, 3-methyl-             | 86  | C6H14    | 000096-14-0 | 91   |
| 4    |    | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20    | 016747-32-3 | 64   |
| 5    |    | Butyl isocyanatoacetate        | 157 | C7H11NO3 | 017046-22-9 | 40   |



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ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BG3S7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR092920WMA.M  
Quant Title : TRACE VOA SOM01.0

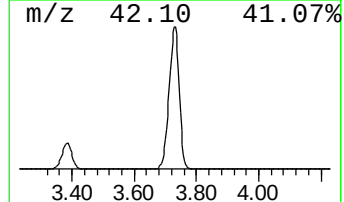
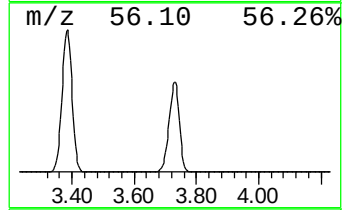
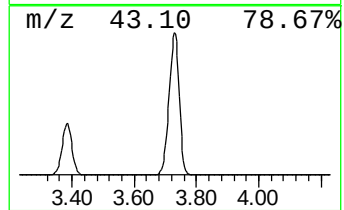
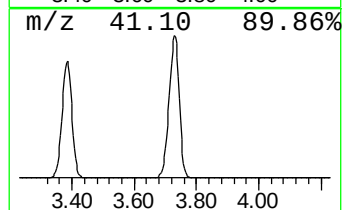
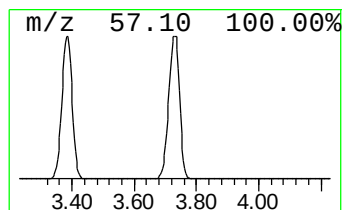
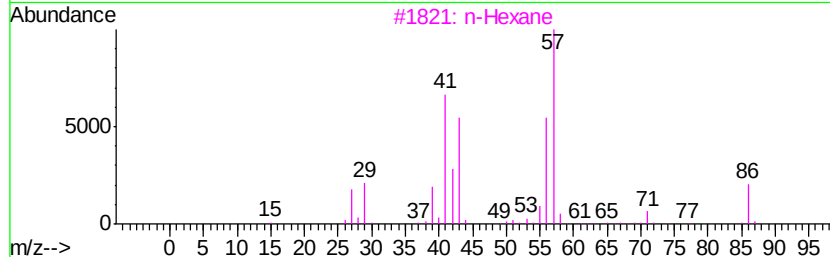
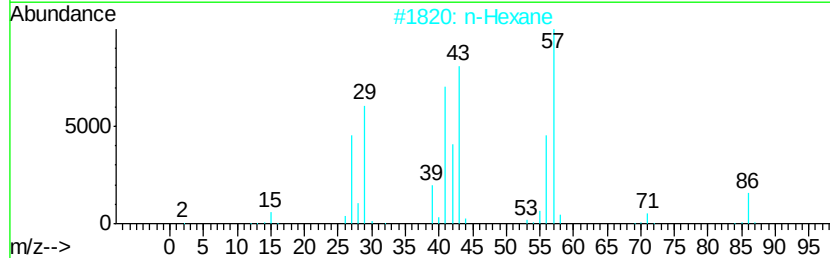
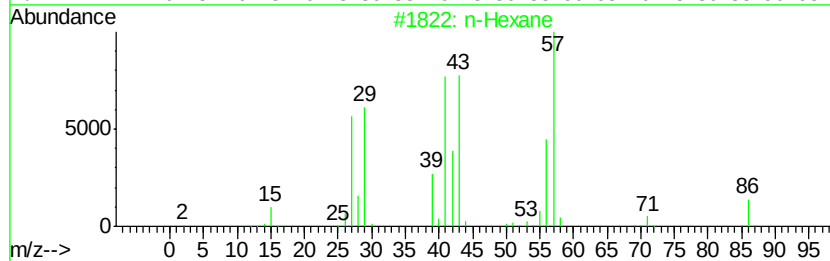
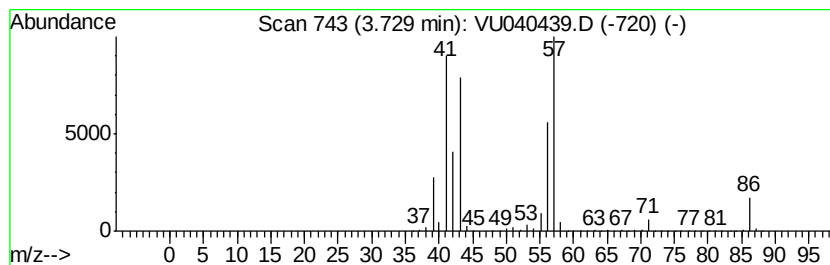
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T. | EstConc     | Area     | Relative to ISTD    | R.T. |
|------|-------------|----------|---------------------|------|
| 3.73 | 150.77 ug/L | 88762000 | 1,4-Difluorobenzene | 6.26 |

| Hit# | of | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|----|----------------------|----|---------|-------------|------|
| 1    | 5  | n-Hexane             | 86 | C6H14   | 000110-54-3 | 91   |
| 2    |    | n-Hexane             | 86 | C6H14   | 000110-54-3 | 91   |
| 3    |    | n-Hexane             | 86 | C6H14   | 000110-54-3 | 68   |
| 4    |    | 1-Pentene, 4-methyl- | 84 | C6H12   | 000691-37-2 | 38   |
| 5    |    | 1-Pentene, 4-methyl- | 84 | C6H12   | 000691-37-2 | 38   |



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Sample : L4240-09  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BG3S7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR092920WMA.M  
Quant Title : TRACE VOA SOM01.0

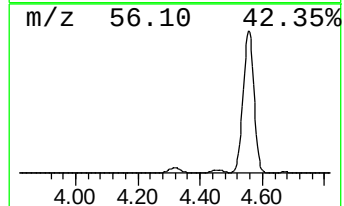
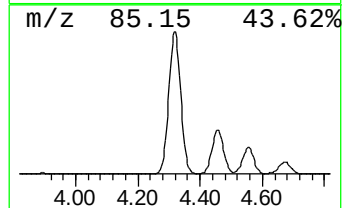
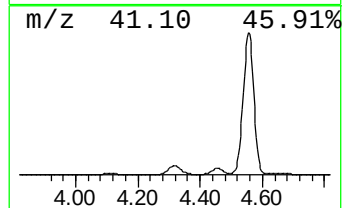
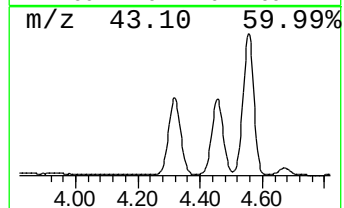
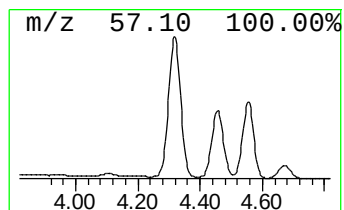
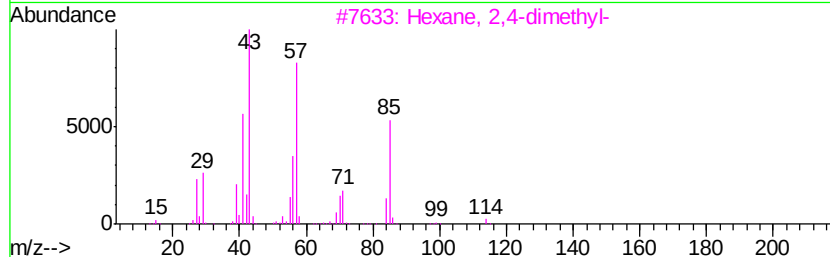
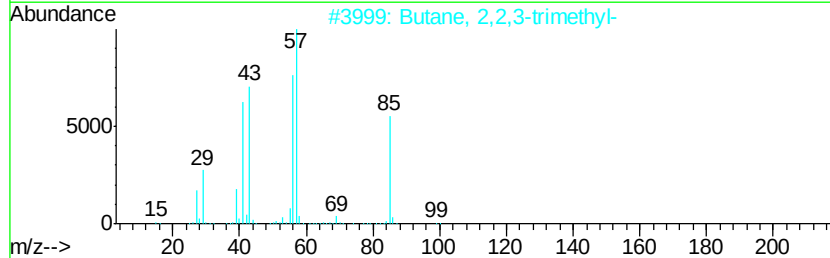
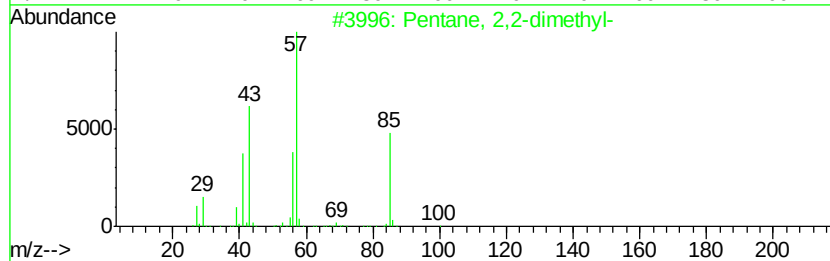
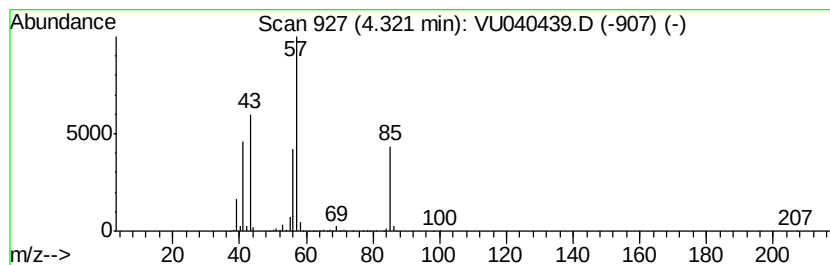
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc   | Area    | Relative to ISTD    | R.T. |
|------|-----------|---------|---------------------|------|
| 4.32 | 5.57 ug/L | 3276660 | 1,4-Difluorobenzene | 6.26 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2,2-dimethyl-   | 100 | C7H16   | 000590-35-2 | 90   |
| 2    |    | Butane, 2,2,3-trimethyl- | 100 | C7H16   | 000464-06-2 | 78   |
| 3    |    | Hexane, 2,4-dimethyl-    | 114 | C8H18   | 000589-43-5 | 72   |
| 4    |    | Butane, 2,2,3-trimethyl- | 100 | C7H16   | 000464-06-2 | 64   |
| 5    |    | Pentane, 2,2-dimethyl-   | 100 | C7H16   | 000590-35-2 | 64   |



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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR092920WMA.M  
Quant Title : TRACE VOA SOM01.0

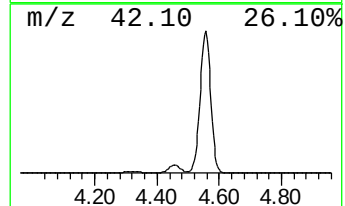
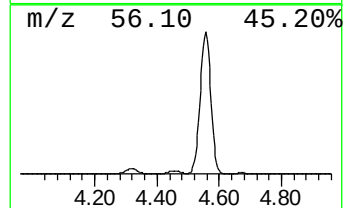
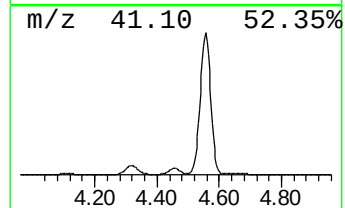
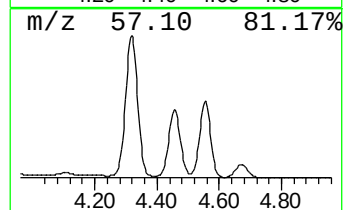
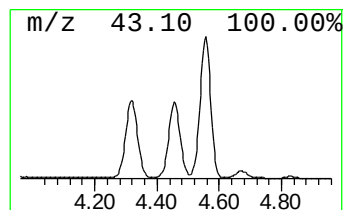
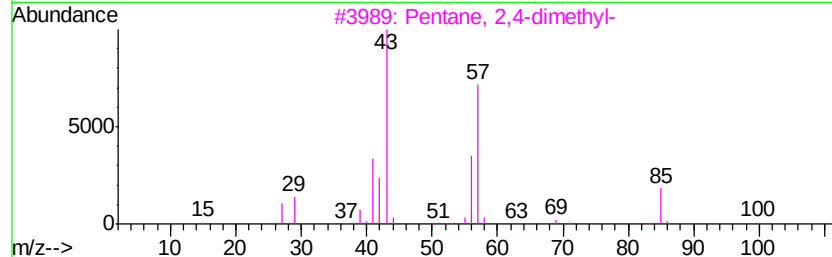
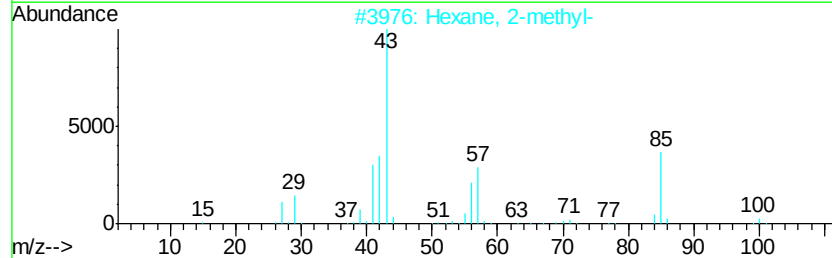
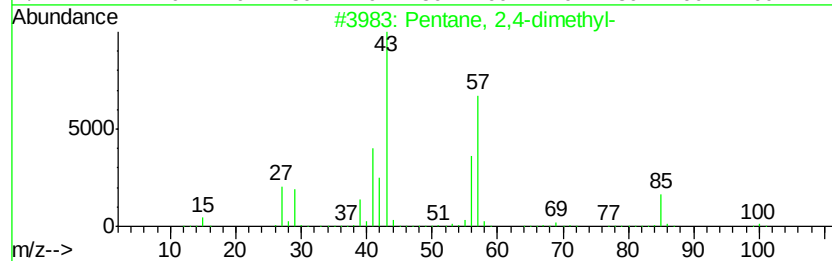
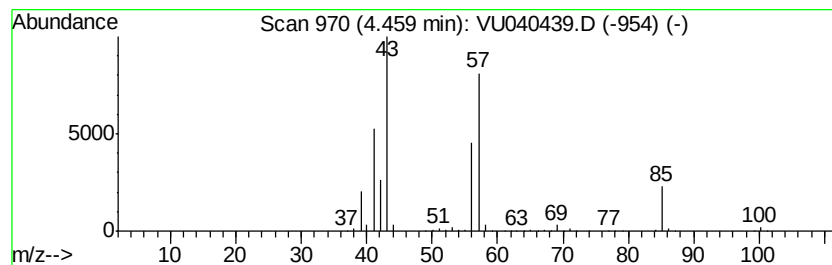
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T. | EstConc   | Area    | Relative to ISTD    | R.T. |
|------|-----------|---------|---------------------|------|
| 4.46 | 3.07 ug/L | 1809720 | 1,4-Difluorobenzene | 6.26 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentane, 2,4-dimethyl- | 100 | C7H16   | 000108-08-7 | 91   |
| 2    |    |   | Hexane, 2-methyl-      | 100 | C7H16   | 000591-76-4 | 64   |
| 3    |    |   | Pentane, 2,4-dimethyl- | 100 | C7H16   | 000108-08-7 | 64   |
| 4    |    |   | Pentane, 2,4-dimethyl- | 100 | C7H16   | 000108-08-7 | 64   |
| 5    |    |   | n-Hexane               | 86  | C6H14   | 000110-54-3 | 50   |



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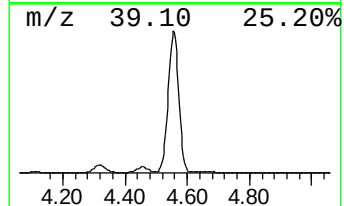
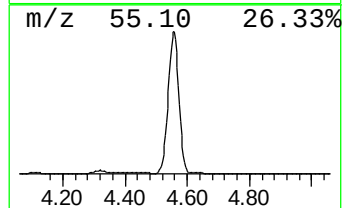
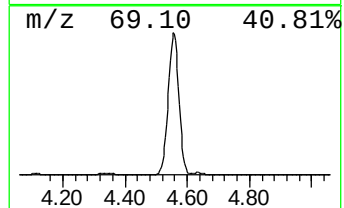
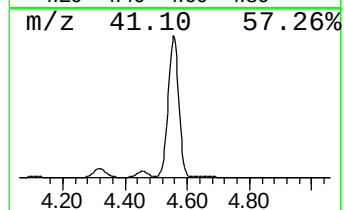
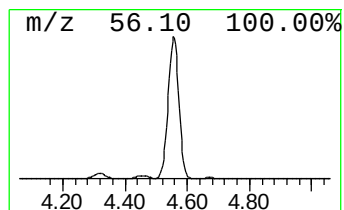
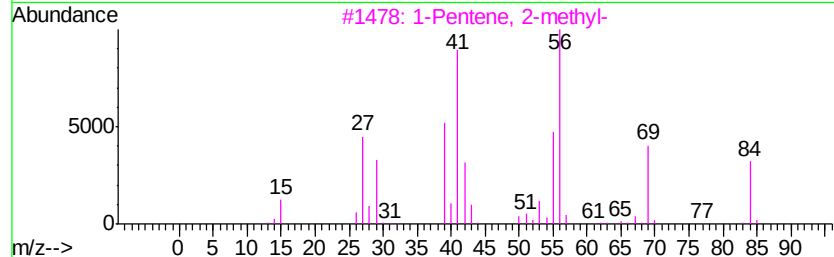
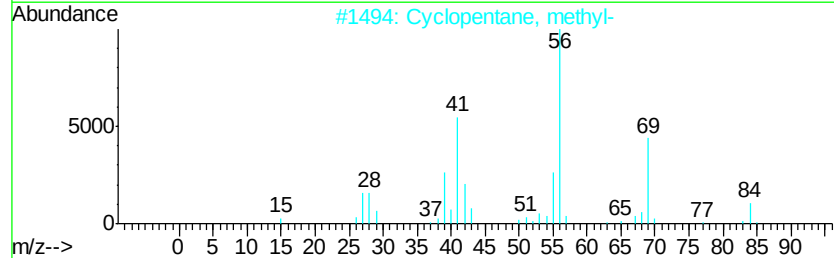
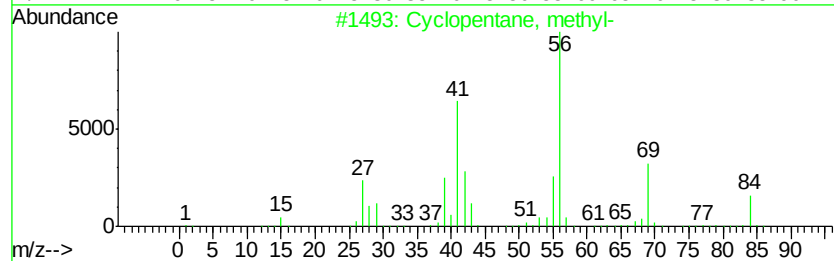
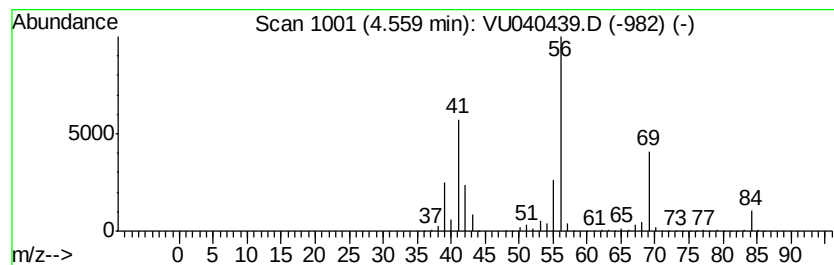
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 (DEL) Alkane: Cyclic4.56 Concentration Rank 3

| R.T. | EstConc    | Area     | Relative to ISTD    | R.T. |
|------|------------|----------|---------------------|------|
| 4.56 | 57.82 ug/L | 34041200 | 1,4-Difluorobenzene | 6.26 |

| Hit# | of | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------|----|---------|-------------|------|
| 1    | 5  | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 91   |
| 2    |    | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 91   |
| 3    |    | 1-Pentene, 2-methyl-    | 84 | C6H12   | 000763-29-1 | 78   |
| 4    |    | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 78   |
| 5    |    | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4  | 004076-36-2 | 72   |





Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU100120\  
Data File : VU040439.D  
Acq On : 01 Oct 2020 23:01  
Operator : SY/MD  
Sample : L4240-09  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BG3S7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR092920WMA.M  
Quant Title : TRACE VOA SOM01.0

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

| TIC Top Hit name          |      |       |      |          | --Internal Standard-- |      |         |      |  |
|---------------------------|------|-------|------|----------|-----------------------|------|---------|------|--|
| RT EstConc Units Response |      |       |      |          | #                     | RT   | Resp    | Conc |  |
| (DEL) Alkane: Str...      | 3.10 | 51.4  | ug/L | 30241900 | 1                     | 6.26 | 2943690 | 5.0  |  |
| (DEL) Alkane: Str...      | 3.39 | 117.5 | ug/L | 69158500 | 1                     | 6.26 | 2943690 | 5.0  |  |
| (DEL) Alkane: Str...      | 3.73 | 150.8 | ug/L | 88762000 | 1                     | 6.26 | 2943690 | 5.0  |  |
| (DEL) Alkane: Str...      | 4.32 | 5.6   | ug/L | 3276660  | 1                     | 6.26 | 2943690 | 5.0  |  |
| (DEL) Alkane: Str...      | 4.46 | 3.1   | ug/L | 1809720  | 1                     | 6.26 | 2943690 | 5.0  |  |
| (DEL) Alkane: Cyc...      | 4.56 | 57.8  | ug/L | 34041200 | 1                     | 6.26 | 2943690 | 5.0  |  |