

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042420\  
 Data File : VV015682.D  
 Acq On : 24 Apr 2020 18:27  
 Operator : SY/MD  
 Sample : L2370-21  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETKP2

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\SOMVTR042220WMA.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         | 1.113       | 3             | 7           | 30           | rVB      | 10196507       | 9508207       | 100.00%         | 43.141%       |
| 2         | 1.219       | 30            | 40          | 60           | rVB      | 2227338        | 1992966       | 20.96%          | 9.043%        |
| 3         | 1.312       | 61            | 69          | 134          | rBV2     | 3020189        | 3867728       | 40.68%          | 17.549%       |
| 4         | 1.640       | 163           | 171         | 192          | rVB      | 511251         | 659526        | 6.94%           | 2.992%        |
| 5         | 1.814       | 217           | 225         | 244          | rVB      | 382636         | 498264        | 5.24%           | 2.261%        |
| 6         | 2.119       | 312           | 320         | 337          | rVB      | 93494          | 152582        | 1.60%           | 0.692%        |
| 7         | 2.592       | 458           | 467         | 487          | rVB      | 124217         | 225693        | 2.37%           | 1.024%        |
| 8         | 2.778       | 509           | 525         | 542          | rBV2     | 66329          | 128345        | 1.35%           | 0.582%        |
| 9         | 3.788       | 820           | 839         | 862          | rBV      | 111131         | 285479        | 3.00%           | 1.295%        |
| 10        | 3.936       | 865           | 885         | 926          | rBV2     | 395564         | 1088343       | 11.45%          | 4.938%        |
| 11        | 4.376       | 1006          | 1022        | 1054         | rVB      | 72372          | 178264        | 1.87%           | 0.809%        |
| 12        | 4.701       | 1104          | 1123        | 1141         | rBV      | 121529         | 305273        | 3.21%           | 1.385%        |
| 13        | 5.071       | 1222          | 1238        | 1265         | rBV2     | 159806         | 418969        | 4.41%           | 1.901%        |
| 14        | 5.640       | 1403          | 1415        | 1440         | rBV      | 156536         | 313658        | 3.30%           | 1.423%        |
| 15        | 6.093       | 1542          | 1556        | 1565         | rBV      | 98201          | 201041        | 2.11%           | 0.912%        |
| 16        | 6.154       | 1566          | 1575        | 1593         | rVB3     | 94504          | 201728        | 2.12%           | 0.915%        |
| 17        | 7.338       | 1932          | 1943        | 1962         | rVB      | 193888         | 336289        | 3.54%           | 1.526%        |
| 18        | 8.109       | 2173          | 2183        | 2221         | rBV      | 246189         | 458014        | 4.82%           | 2.078%        |
| 19        | 8.875       | 2409          | 2421        | 2439         | rBV      | 239878         | 387034        | 4.07%           | 1.756%        |
| 20        | 10.238      | 2832          | 2845        | 2859         | rBV      | 70856          | 110788        | 1.17%           | 0.503%        |
| 21        | 11.270      | 3154          | 3166        | 3184         | rBV      | 252308         | 391300        | 4.12%           | 1.775%        |
| 22        | 11.646      | 3273          | 3283        | 3307         | rVB      | 210654         | 330451        | 3.48%           | 1.499%        |

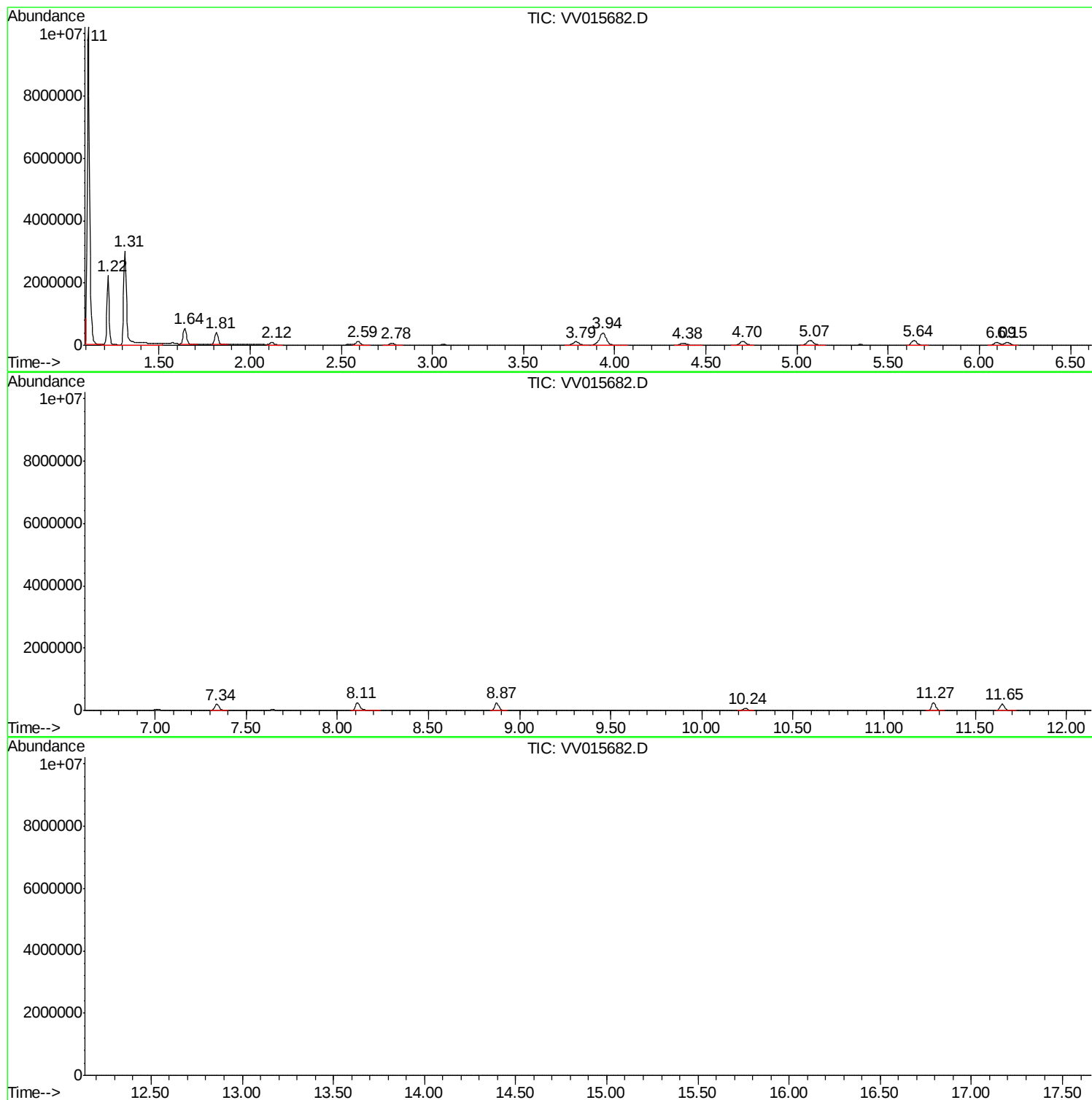
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV042420\  
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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
ETKP2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042220WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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MSVOA\_V  
ClientSampled :  
ETKP2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042220WMA.M  
Quant Title : TRACE VOA SOM01.0

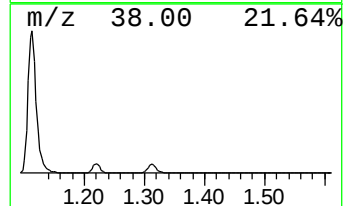
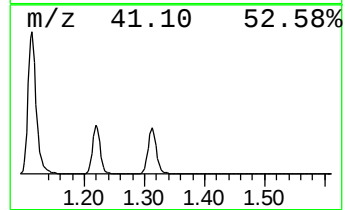
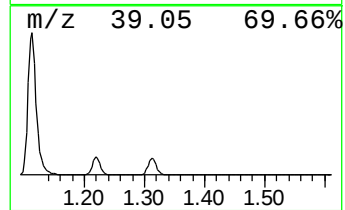
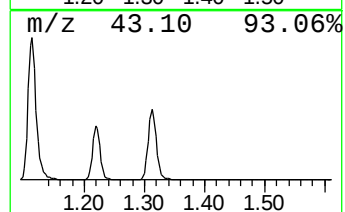
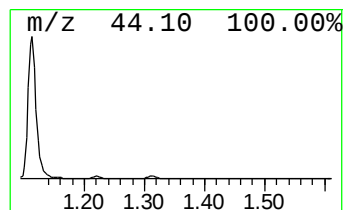
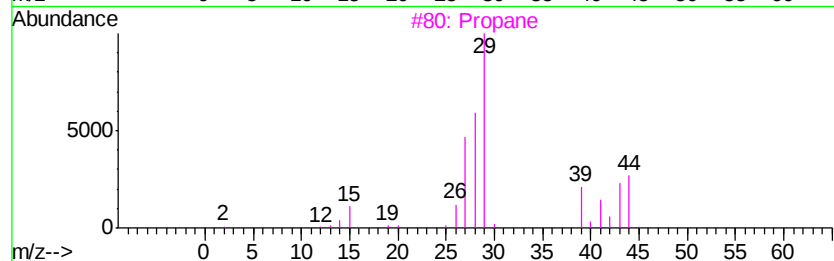
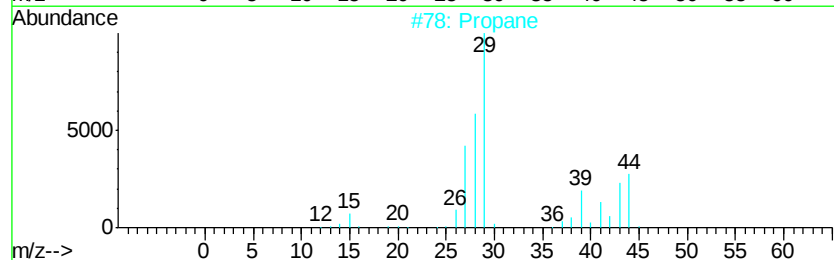
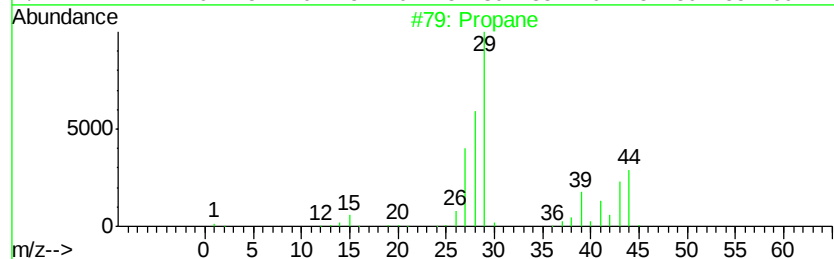
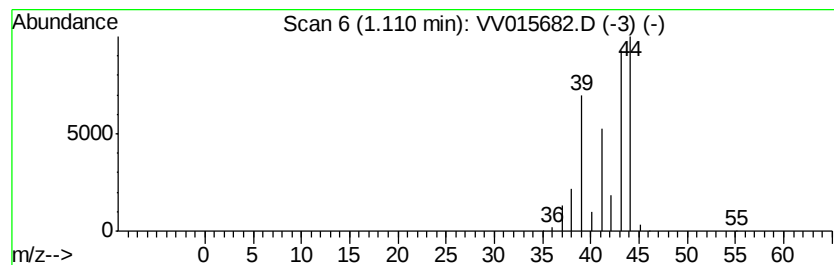
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc     | Area    | Relative to ISTD    | R.T. |
|------|-------------|---------|---------------------|------|
| 1.11 | 151.57 ug/L | 9508210 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|----|--------------|----|---------|-------------|------|
| 1    | 5  | Propane      | 44 | C3H8    | 000074-98-6 | 83   |
| 2    |    | Propane      | 44 | C3H8    | 000074-98-6 | 83   |
| 3    |    | Propane      | 44 | C3H8    | 000074-98-6 | 9    |
| 4    |    | Propene      | 42 | C3H6    | 000115-07-1 | 9    |
| 5    |    | Acetaldehyde | 44 | C2H4O   | 000075-07-0 | 5    |



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Sample : L2370-21  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
ETKP2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042220WMA.M  
Quant Title : TRACE VOA SOM01.0

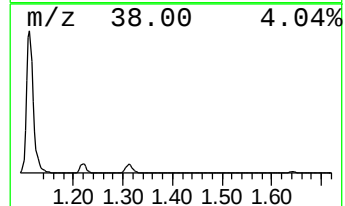
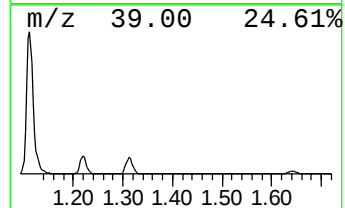
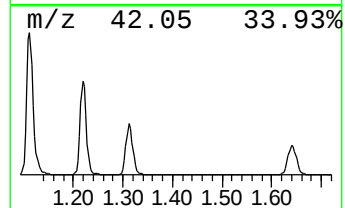
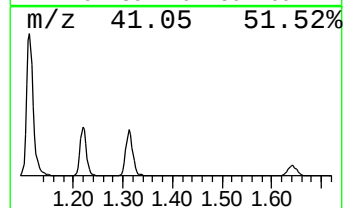
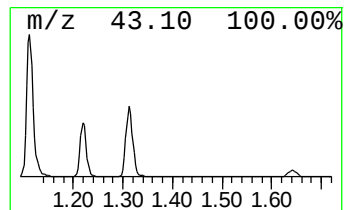
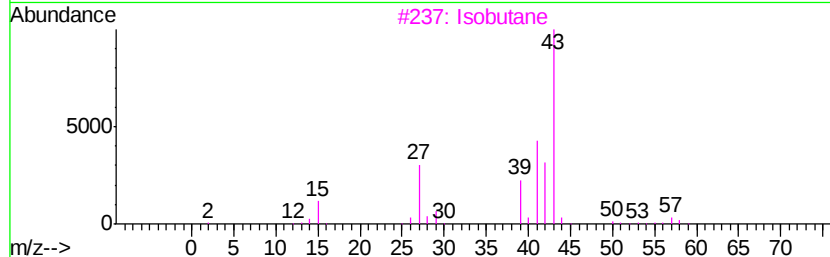
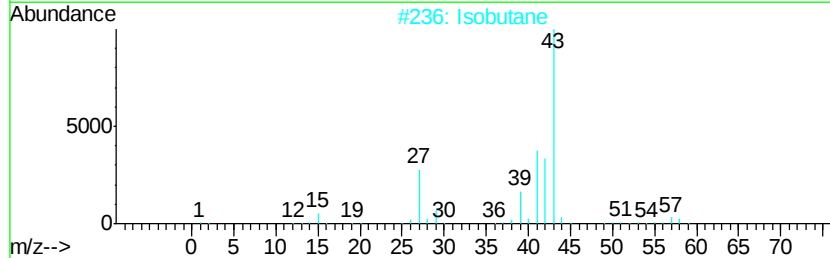
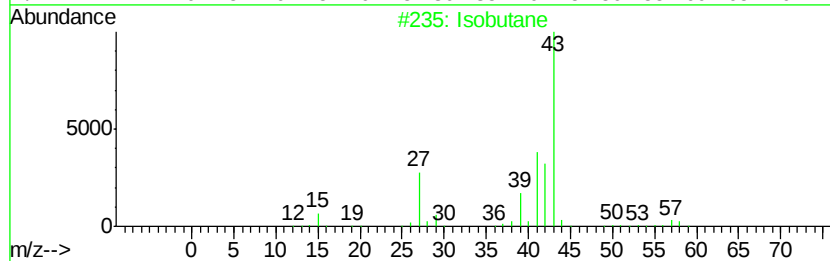
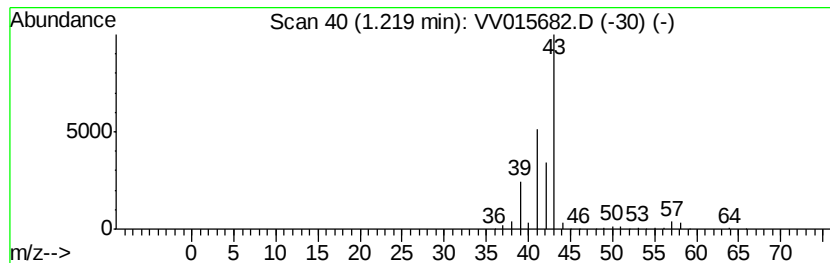
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc    | Area    | Relative to ISTD    | R.T. |
|------|------------|---------|---------------------|------|
| 1.22 | 31.77 ug/L | 1992970 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | Tentative ID                | MW | MolForm | CAS#        | Qual |
|------|----|-----------------------------|----|---------|-------------|------|
| 1    | 5  | Isobutane                   | 58 | C4H10   | 000075-28-5 | 72   |
| 2    |    | Isobutane                   | 58 | C4H10   | 000075-28-5 | 64   |
| 3    |    | Isobutane                   | 58 | C4H10   | 000075-28-5 | 64   |
| 4    |    | Isobutane                   | 58 | C4H10   | 000075-28-5 | 53   |
| 5    |    | Propane, 1-chloro-2-methyl- | 92 | C4H9Cl  | 000513-36-0 | 9    |



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Sample : L2370-21  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
ETKP2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042220WMA.M  
Quant Title : TRACE VOA SOM01.0

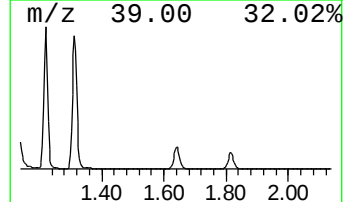
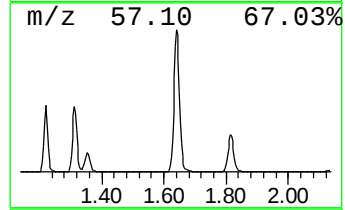
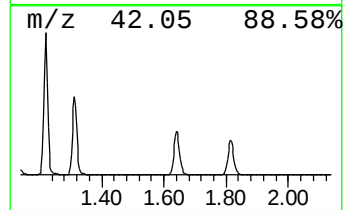
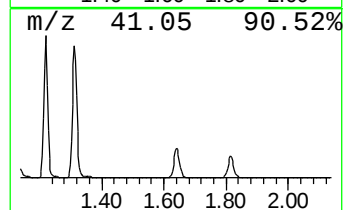
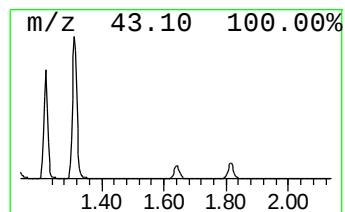
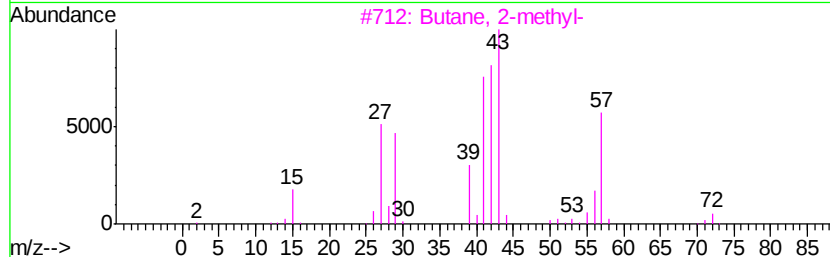
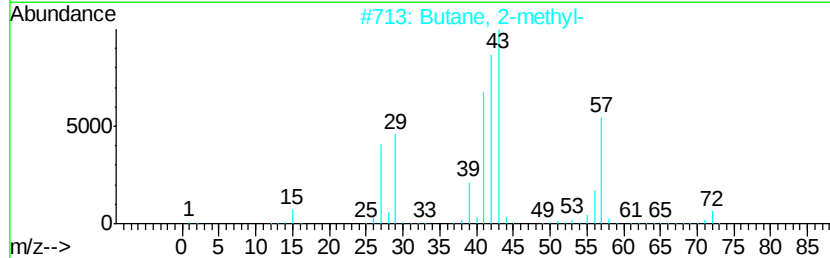
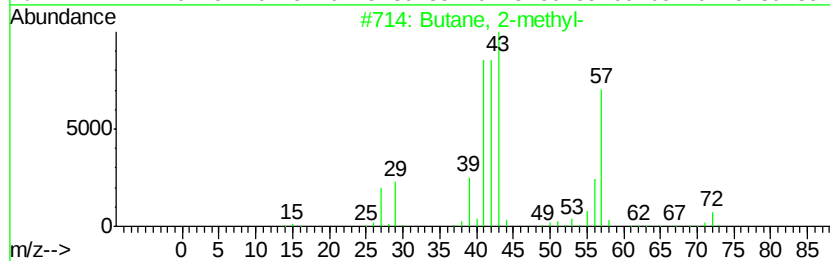
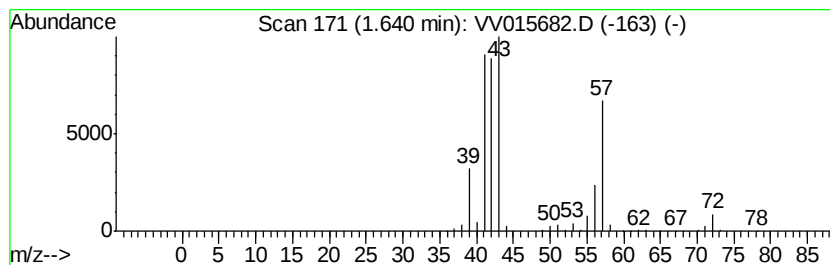
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc    | Area   | Relative to ISTD    | R.T. |
|------|------------|--------|---------------------|------|
| 1.64 | 10.51 ug/L | 659526 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|-------------------|----|---------|-------------|------|
| 1    | 5  | Butane, 2-methyl- | 72 | C5H12   | 000078-78-4 | 91   |
| 2    |    | Butane, 2-methyl- | 72 | C5H12   | 000078-78-4 | 90   |
| 3    |    | Butane, 2-methyl- | 72 | C5H12   | 000078-78-4 | 86   |
| 4    |    | 3-Buten-1-ol      | 72 | C4H8O   | 000627-27-0 | 38   |
| 5    |    | Pentane           | 72 | C5H12   | 000109-66-0 | 36   |



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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
ETKP2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042220WMA.M  
Quant Title : TRACE VOA SOM01.0

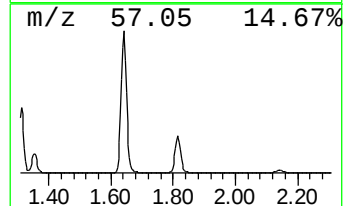
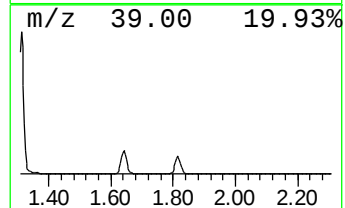
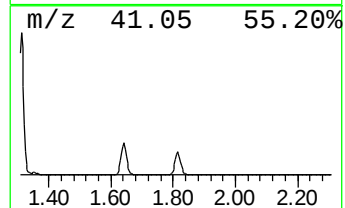
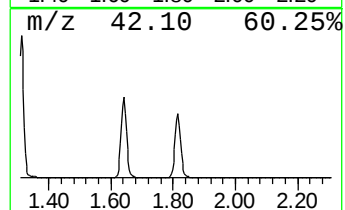
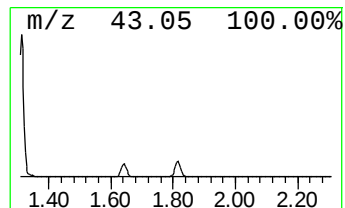
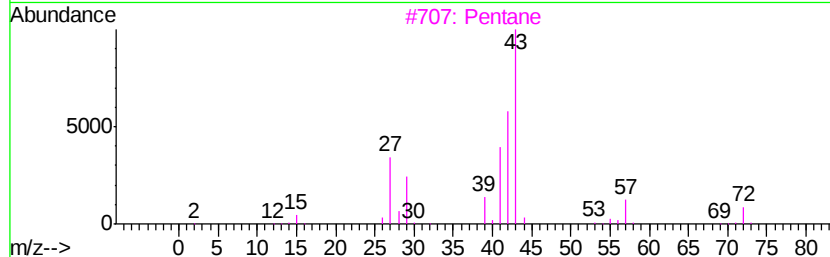
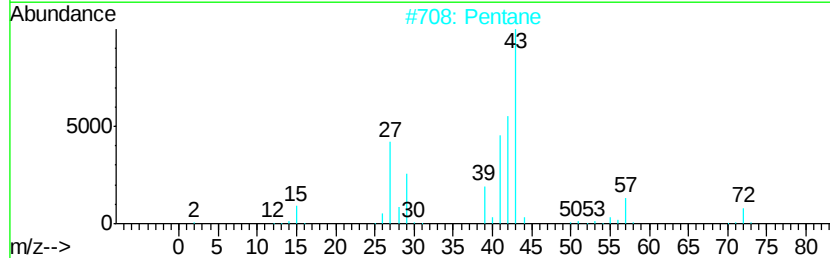
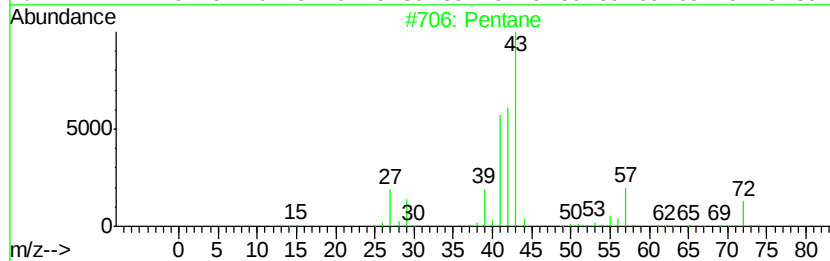
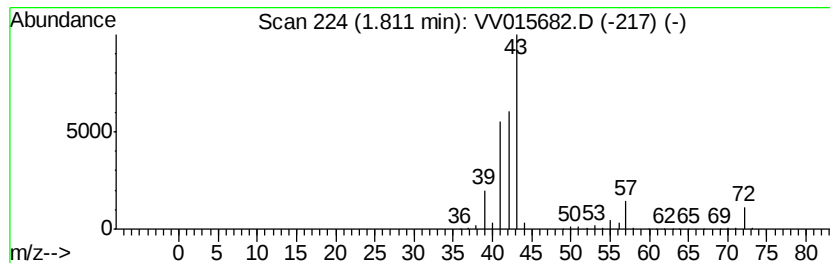
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.81 | 7.94 ug/L | 498264 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|-------------------|----|---------|-------------|------|
| 1    | 5  | Pentane           | 72 | C5H12   | 000109-66-0 | 91   |
| 2    |    | Pentane           | 72 | C5H12   | 000109-66-0 | 90   |
| 3    |    | Pentane           | 72 | C5H12   | 000109-66-0 | 86   |
| 4    |    | Pentane           | 72 | C5H12   | 000109-66-0 | 64   |
| 5    |    | Butane, 2-methyl- | 72 | C5H12   | 000078-78-4 | 45   |



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MSVOA\_V  
ClientSampleId :  
ETKP2

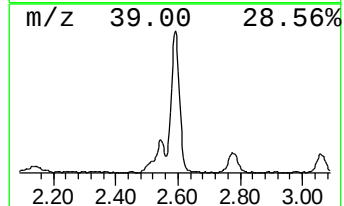
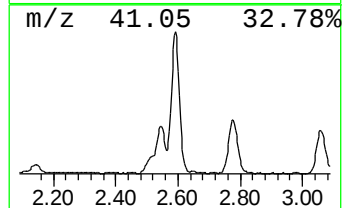
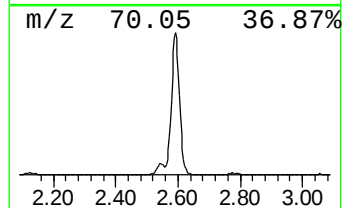
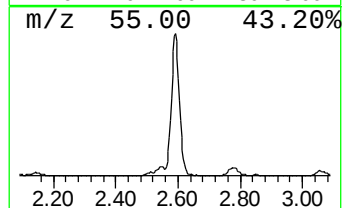
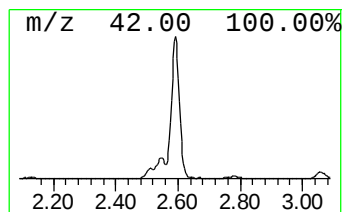
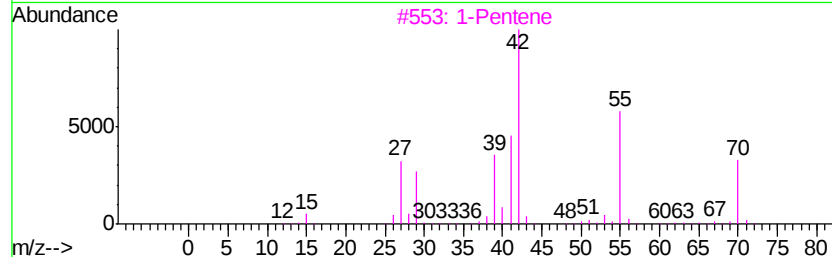
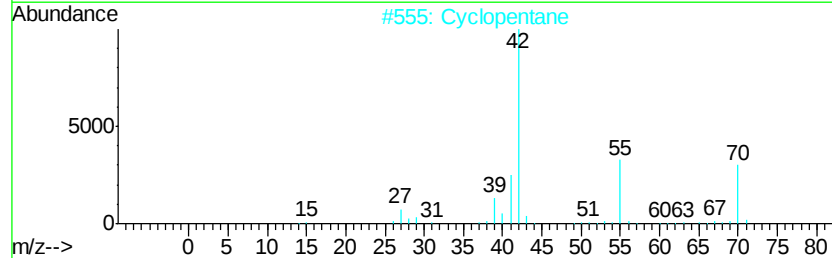
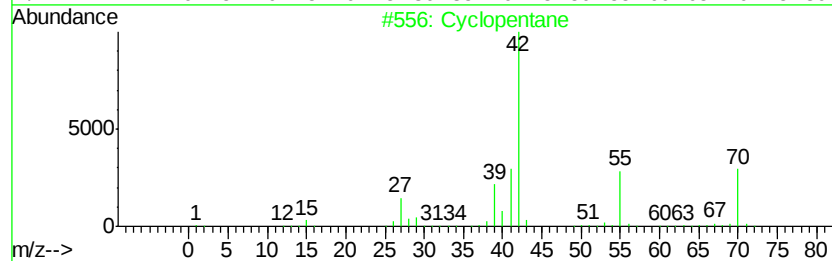
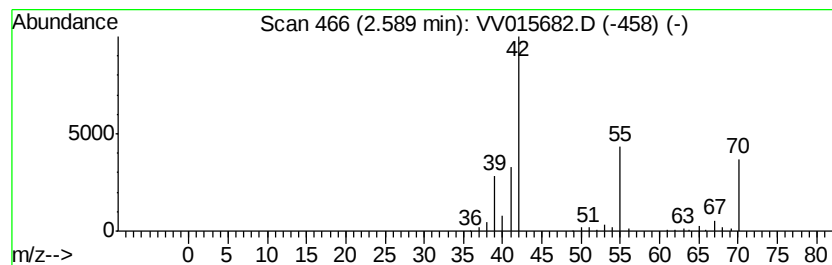
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042220WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 5 (DEL) Alkane: Cyclic2.59 Concentration Rank 6

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 2.59 | 3.60 ug/L | 225693 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | 5 | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------------|----|---------|-------------|------|
| 1    |    |   | Cyclopentane         | 70 | C5H10   | 000287-92-3 | 86   |
| 2    |    |   | Cyclopentane         | 70 | C5H10   | 000287-92-3 | 78   |
| 3    |    |   | 1-Pentene            | 70 | C5H10   | 000109-67-1 | 78   |
| 4    |    |   | Cyclopropane, ethyl- | 70 | C5H10   | 001191-96-4 | 56   |
| 5    |    |   | 1-Pentene            | 70 | C5H10   | 000109-67-1 | 47   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV042420\  
Data File : VV015682.D  
Acq On : 24 Apr 2020 18:27  
Operator : SY/MD  
Sample : L2370-21  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
ETKP2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042220WMA.M  
Quant Title : TRACE VOA SOM01.0

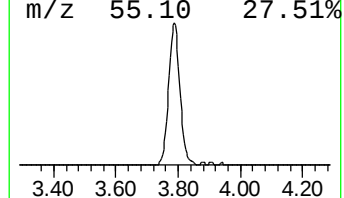
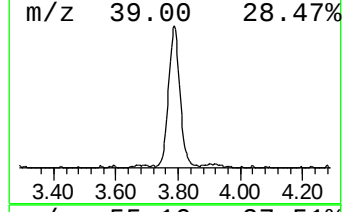
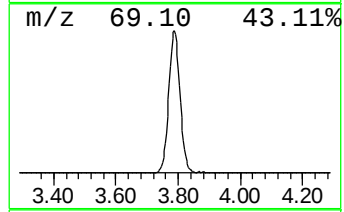
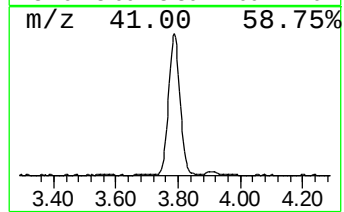
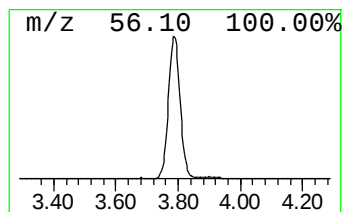
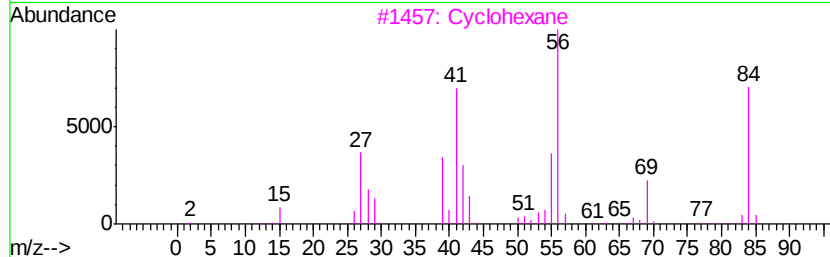
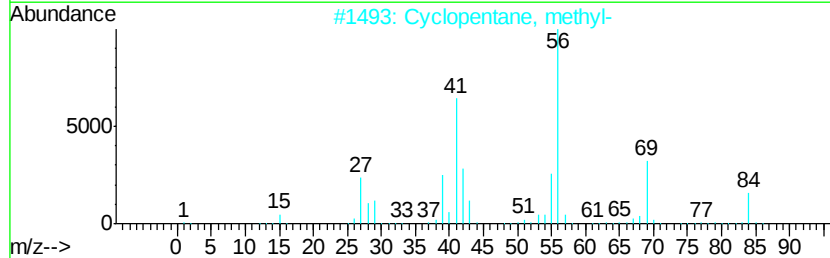
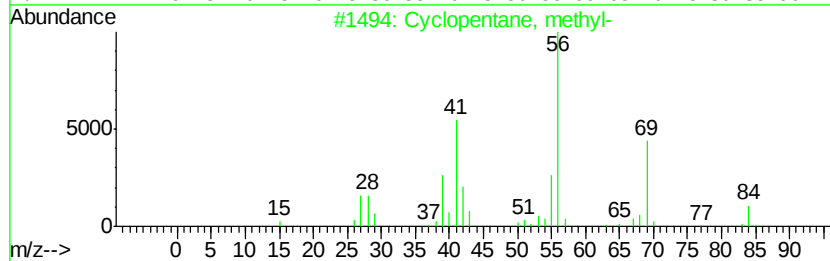
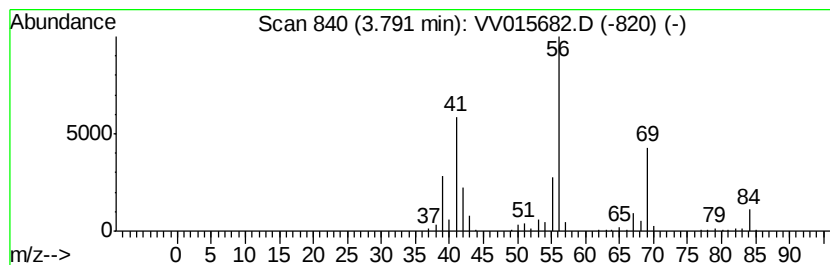
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 (DEL) Alkane: Cyclic3.79 Concentration Rank 5

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 3.79 | 4.55 ug/L | 285479 | 1,4-Difluorobenzene | 5.64 |

| 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    |    | Cyclohexane           | 84 | C6H12   | 000110-82-7 | 86   |
| 4    |    | 1-Pentene, 2-methyl-  | 84 | C6H12   | 000763-29-1 | 80   |
| 5    |    | Cyclopentane, methyl- | 84 | C6H12   | 000096-37-7 | 78   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV042420\  
Data File : VV015682.D  
Acq On : 24 Apr 2020 18:27  
Operator : SY/MD  
Sample : L2370-21  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
ETKP2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042220WMA.M  
Quant Title : TRACE VOA SOM01.0

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

|                      |      |         |       |          | --Internal Standard-- |      |        |      |  |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|--|
| TIC Top Hit name     | RT   | EstConc | Units | Response | #                     | RT   | Resp   | Conc |  |
| (DEL) Alkane: Str... | 1.11 | 151.6   | ug/L  | 9508210  | 1                     | 5.64 | 313658 | 5.0  |  |
| (DEL) Alkane: Str... | 1.22 | 31.8    | ug/L  | 1992970  | 1                     | 5.64 | 313658 | 5.0  |  |
| (DEL) Alkane: Str... | 1.64 | 10.5    | ug/L  | 659526   | 1                     | 5.64 | 313658 | 5.0  |  |
| (DEL) Alkane: Str... | 1.81 | 7.9     | ug/L  | 498264   | 1                     | 5.64 | 313658 | 5.0  |  |
| (DEL) Alkane: Cyc... | 2.59 | 3.6     | ug/L  | 225693   | 1                     | 5.64 | 313658 | 5.0  |  |
| (DEL) Alkane: Cyc... | 3.79 | 4.5     | ug/L  | 285479   | 1                     | 5.64 | 313658 | 5.0  |  |