

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070220\  
 Data File : VX017147.D  
 Acq On : 02 Jul 2020 14:46  
 Operator : JC/SP  
 Sample : L3200-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 001-WILLETS-PT-BLVD-(JULY)

Integration Parameters: RTEINT3.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0 % 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 X\METHOD\624X062520W.M  
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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         | 2.416       | 211           | 218         | 237          | rBV      | 6130986        | 10522486      | 100.00%         | 37.960%       |
| 2         | 2.581       | 237           | 245         | 268          | rVB      | 3964156        | 7334192       | 69.70%          | 26.458%       |
| 3         | 4.983       | 628           | 639         | 650          | rBV2     | 90777          | 273334        | 2.60%           | 0.986%        |
| 4         | 6.037       | 801           | 812         | 823          | rBV      | 90839          | 241947        | 2.30%           | 0.873%        |
| 5         | 6.769       | 923           | 932         | 936          | rBV      | 280429         | 852569        | 8.10%           | 3.076%        |
| 6         | 6.830       | 937           | 942         | 982          | rVB3     | 386903         | 1903345       | 18.09%          | 6.866%        |
| 7         | 7.135       | 988           | 992         | 1013         | rVB2     | 76593          | 255077        | 2.42%           | 0.920%        |
| 8         | 8.695       | 1242          | 1248        | 1254         | rVV      | 438686         | 666211        | 6.33%           | 2.403%        |
| 9         | 8.762       | 1254          | 1259        | 1269         | rVB      | 1013741        | 1598042       | 15.19%          | 5.765%        |
| 10        | 10.098      | 1472          | 1478        | 1486         | rVB      | 439380         | 594959        | 5.65%           | 2.146%        |
| 11        | 10.579      | 1552          | 1557        | 1563         | rVB      | 287297         | 358699        | 3.41%           | 1.294%        |
| 12        | 11.122      | 1638          | 1646        | 1657         | rVB      | 374270         | 487848        | 4.64%           | 1.760%        |
| 13        | 11.548      | 1712          | 1716        | 1722         | rVB      | 106780         | 133822        | 1.27%           | 0.483%        |
| 14        | 11.926      | 1773          | 1778        | 1785         | rVB2     | 81661          | 126941        | 1.21%           | 0.458%        |
| 15        | 12.140      | 1807          | 1813        | 1827         | rVB3     | 246035         | 422138        | 4.01%           | 1.523%        |
| 16        | 13.377      | 2010          | 2016        | 2028         | rBV      | 1449288        | 1790731       | 17.02%          | 6.460%        |
| 17        | 13.548      | 2036          | 2044        | 2049         | rBV2     | 99348          | 157586        | 1.50%           | 0.568%        |

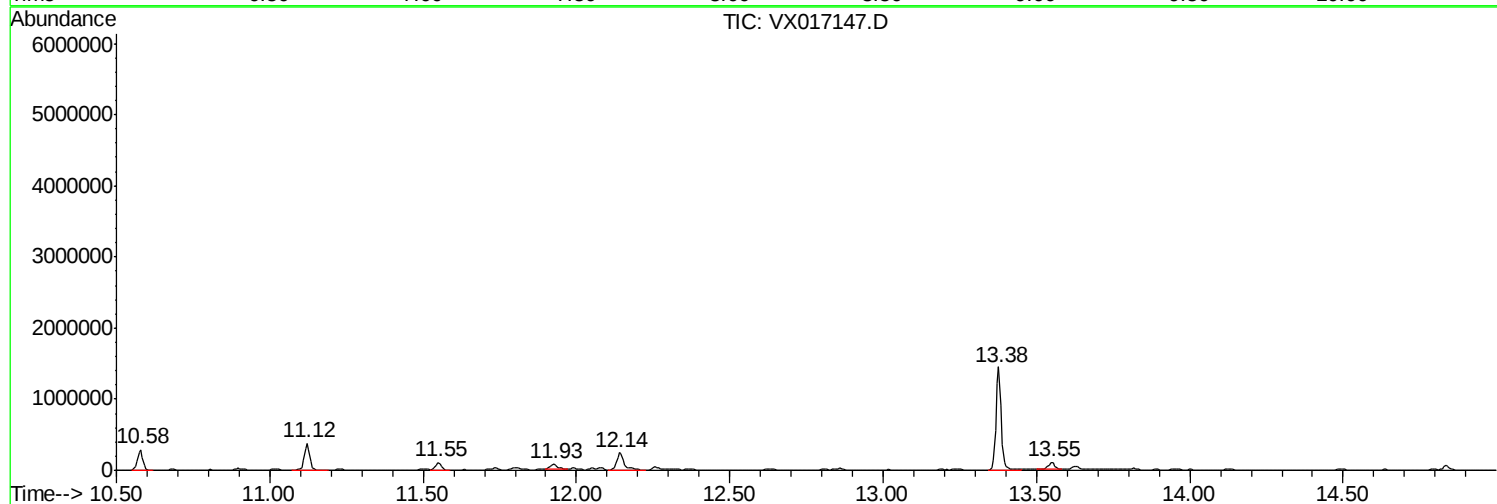
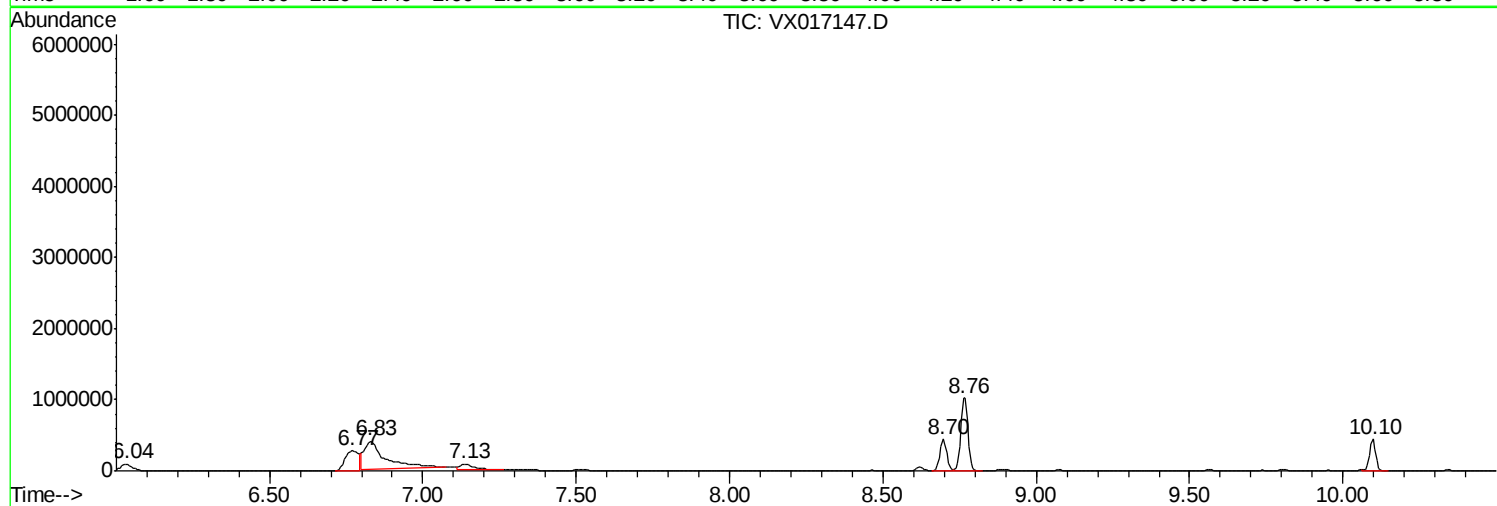
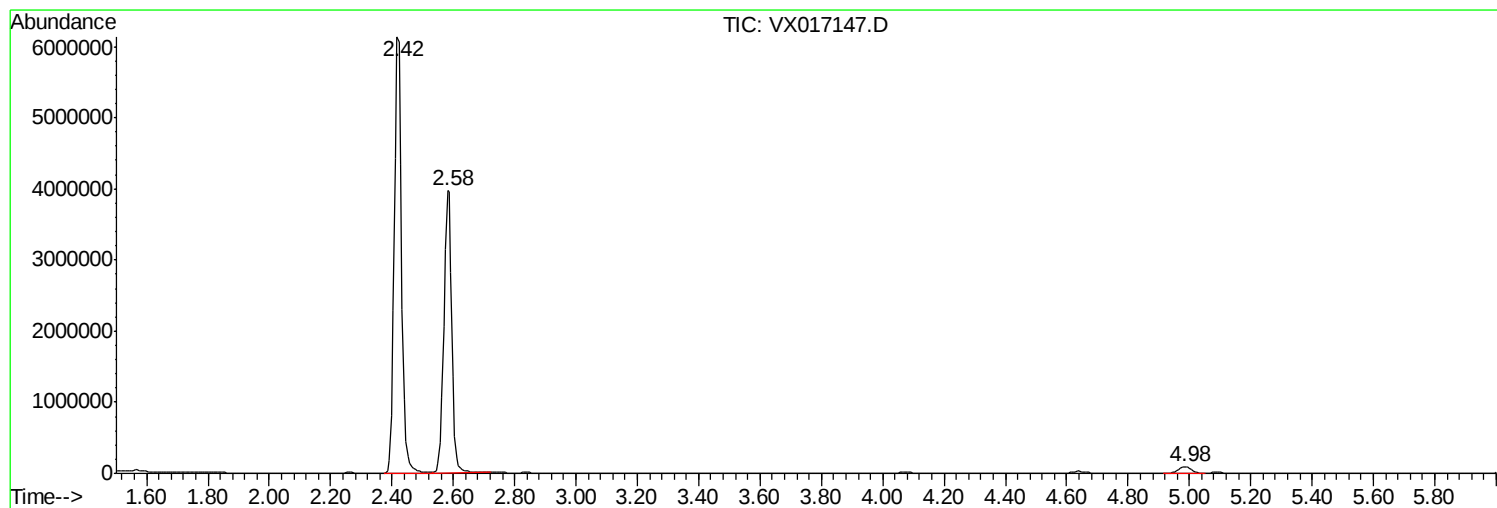
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Sample : L3200-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
001-WILLETS-PT-BLVD-(JULY)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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ClientSampleId :  
001-WILLETS-PT-BLVD-(JULY)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

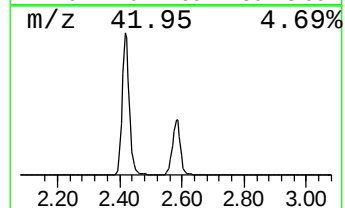
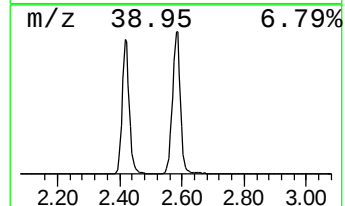
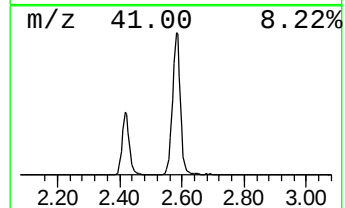
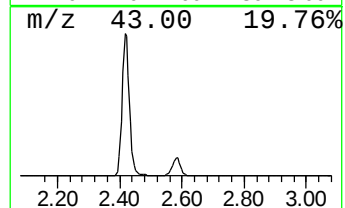
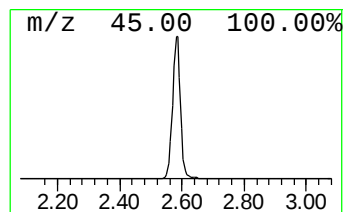
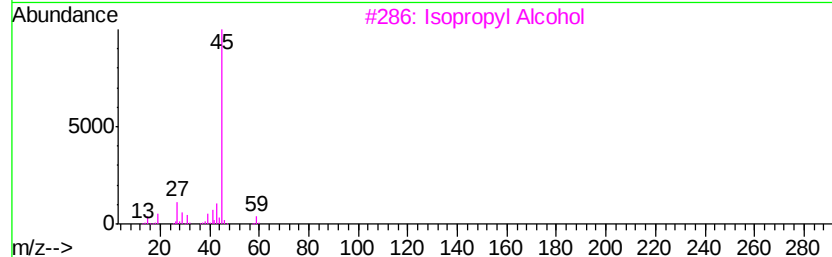
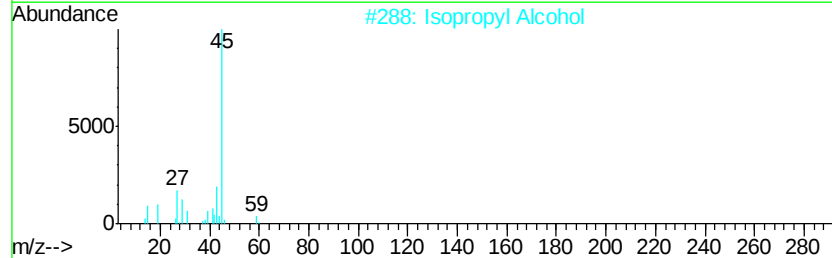
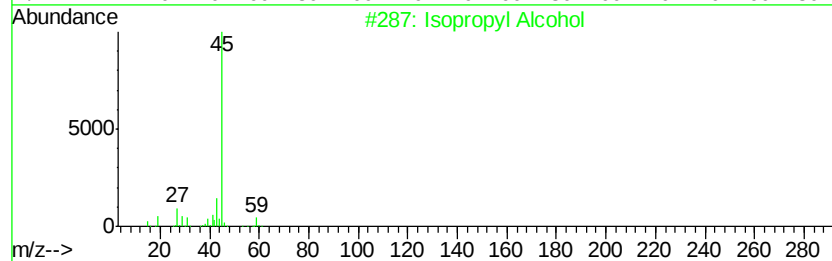
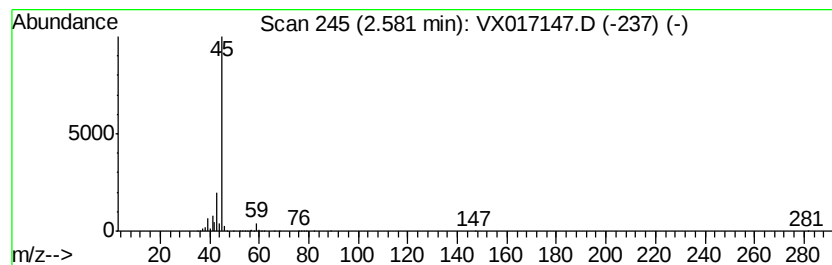
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Isopropyl Alcohol Concentration Rank 1

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 2.58 | 804.97 ug/l | 7334190 | Bromochloromethane | 4.98 |

| Hit# of | 5                        | Tentative ID | MW | MolForm | CAS#        | Qual |
|---------|--------------------------|--------------|----|---------|-------------|------|
| 1       | Isopropyl Alcohol        |              | 60 | C3H8O   | 000067-63-0 | 86   |
| 2       | Isopropyl Alcohol        |              | 60 | C3H8O   | 000067-63-0 | 78   |
| 3       | Isopropyl Alcohol        |              | 60 | C3H8O   | 000067-63-0 | 78   |
| 4       | Hydrazine, 1,2-dimethyl- |              | 60 | C2H8N2  | 000540-73-8 | 9    |
| 5       | Hydrazine, 1,2-dimethyl- |              | 60 | C2H8N2  | 000540-73-8 | 9    |



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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
001-WILLETS-PT-BLVD-(JULY)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

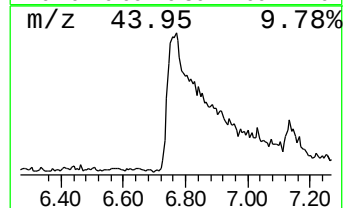
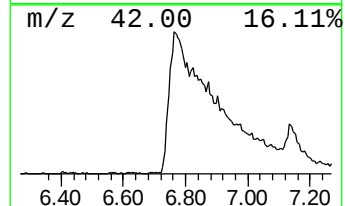
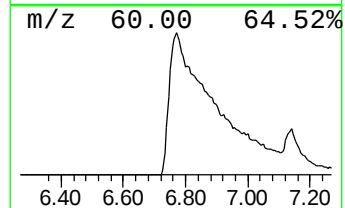
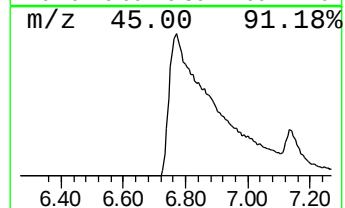
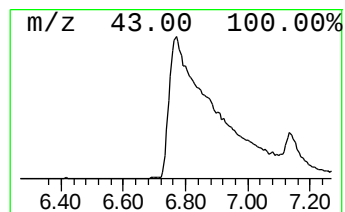
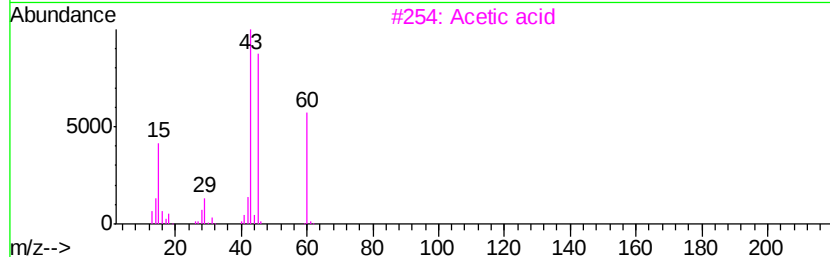
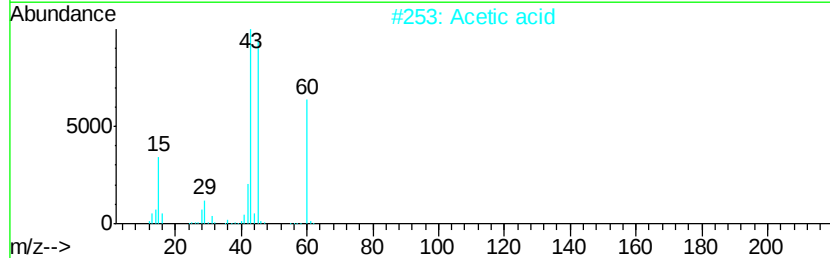
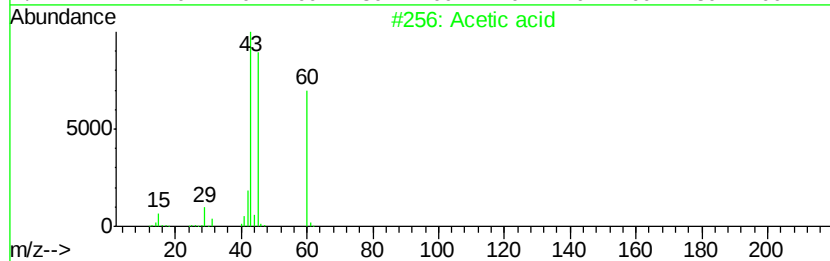
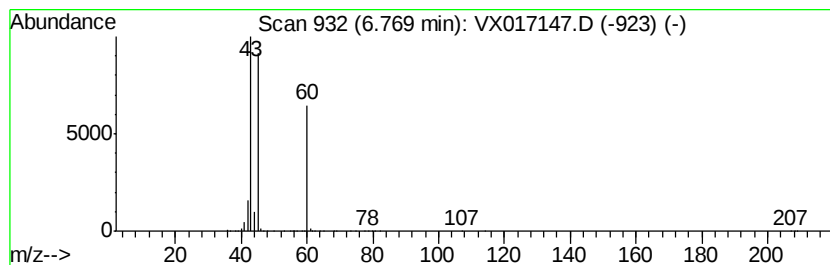
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Acetic acid Concentration Rank 5

| R.T. | EstConc    | Area   | Relative to ISTD    | R.T. |
|------|------------|--------|---------------------|------|
| 6.77 | 13.44 ug/l | 852569 | 1,4-Difluorobenzene | 6.83 |

| Hit# | of | Tentative ID     | MW | MolForm | CAS#        | Qual |
|------|----|------------------|----|---------|-------------|------|
| 1    | 5  | Acetic acid      | 60 | C2H4O2  | 000064-19-7 | 91   |
| 2    |    | Acetic acid      | 60 | C2H4O2  | 000064-19-7 | 90   |
| 3    |    | Acetic acid      | 60 | C2H4O2  | 000064-19-7 | 90   |
| 4    |    | Acetic acid      | 60 | C2H4O2  | 000064-19-7 | 86   |
| 5    |    | Ammonium acetate | 77 | C2H7NO2 | 000631-61-8 | 64   |



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Sample : L3200-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
001-WILLETS-PT-BLVD-(JULY)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

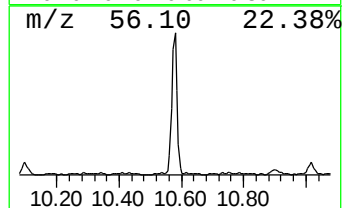
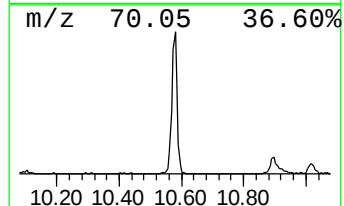
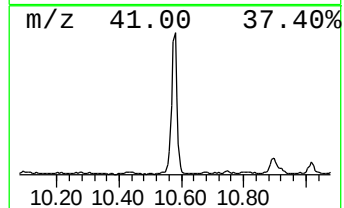
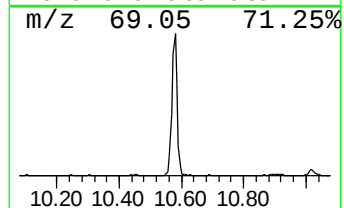
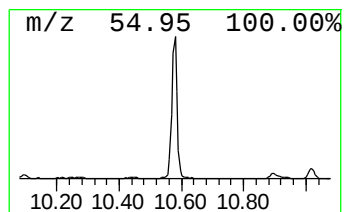
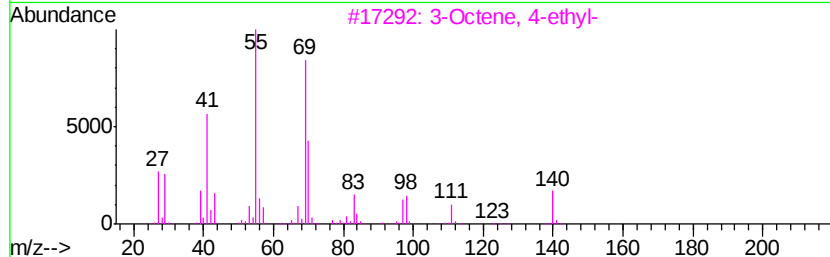
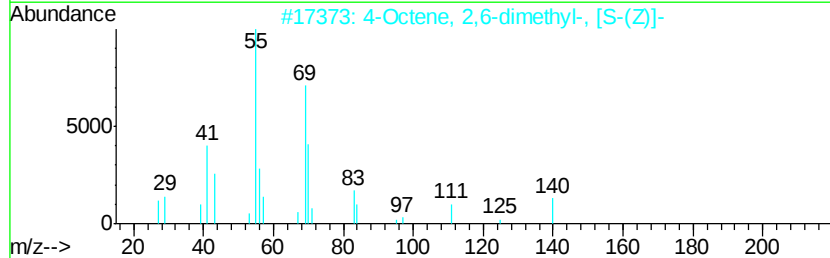
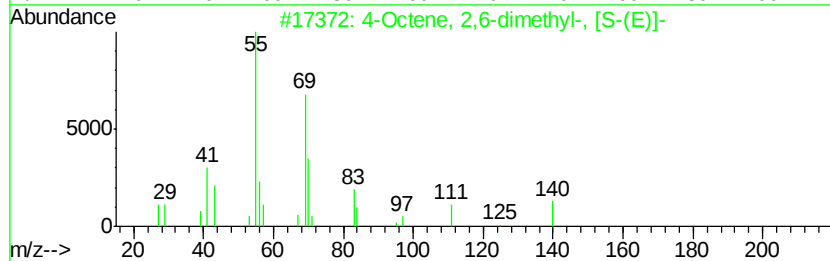
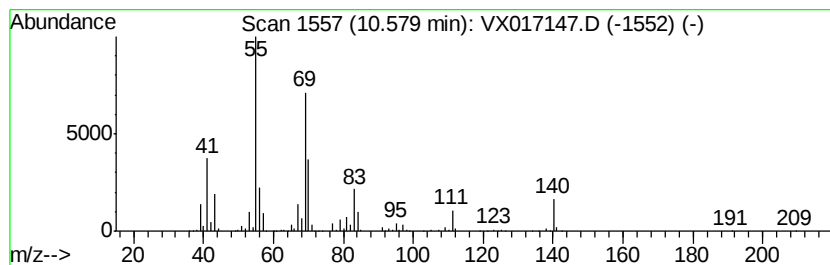
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 4-Octene, 2,6-dimethyl-, [S... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 10.58 | 18.09 ug/l | 358699 | Chlorobenzene-d5 | 10.10 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 4-Octene, 2,6-dimethyl-, [S-(E)]- | 140 | C10H20  | 062960-76-3 | 91   |
| 2    |    | 4-Octene, 2,6-dimethyl-, [S-(Z)]- | 140 | C10H20  | 062960-77-4 | 87   |
| 3    |    | 3-Octene, 4-ethyl-                | 140 | C10H20  | 053966-51-1 | 62   |
| 4    |    | 2-Octene, 2,6-dimethyl-           | 140 | C10H20  | 004057-42-5 | 58   |
| 5    |    | 3-Heptene, 4-propyl-              | 140 | C10H20  | 004485-13-6 | 52   |





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Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 10 Sample Multiplier: 1

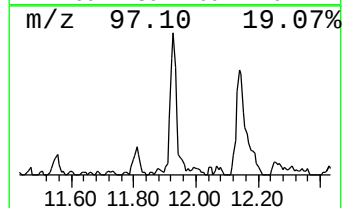
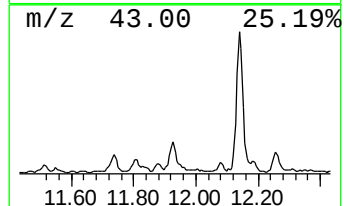
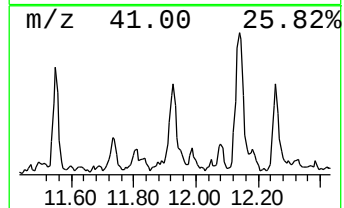
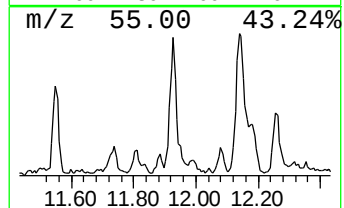
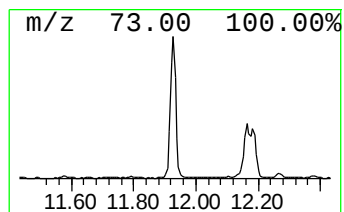
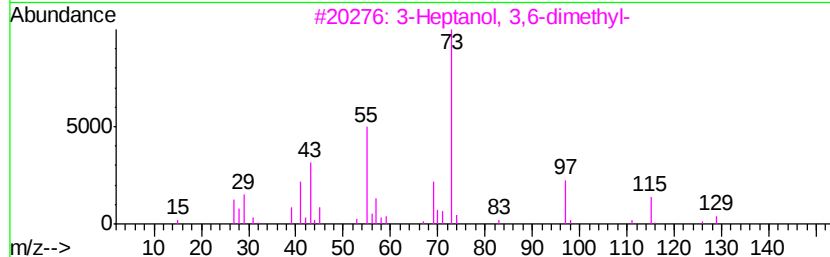
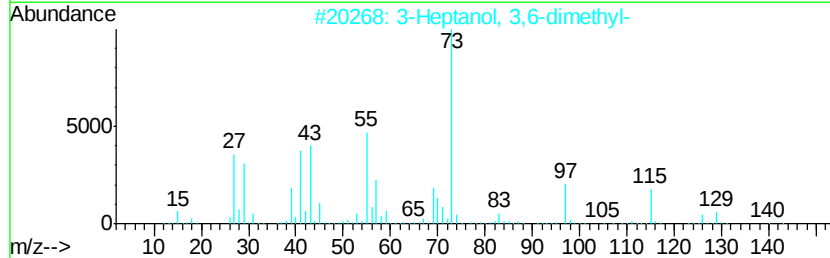
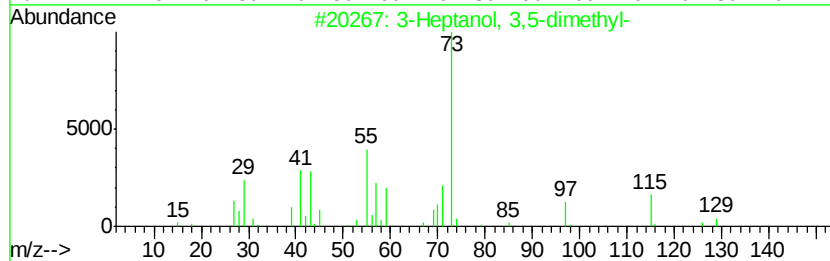
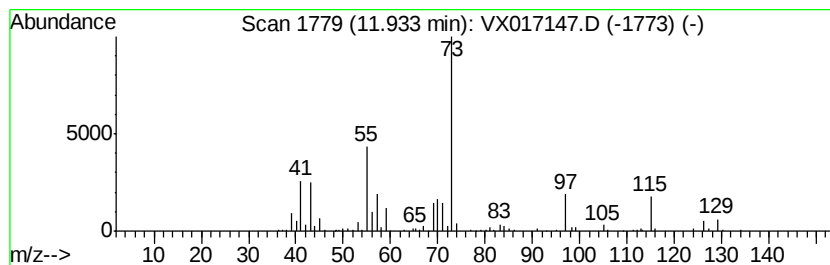
Instrument :  
MSVOA\_X  
ClientSampleId :  
001-WILLETS-PT-BLVD-(JULY)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 3-Heptanol, 3,5-dimethyl- Concentration Rank 8

| R.T.    | EstConc         | Area                | Relative to ISTD | R.T.    |             |      |
|---------|-----------------|---------------------|------------------|---------|-------------|------|
| 11.93   | 6.40 ug/l       | 126941              | Chlorobenzene-d5 | 10.10   |             |      |
| Hit# of | 5               | Tentative ID        | MW               | MolForm | CAS#        | Qual |
| 1       | 3-Heptanol,     | 3,5-dimethyl-       | 144              | C9H20O  | 019549-74-7 | 64   |
| 2       | 3-Heptanol,     | 3,6-dimethyl-       | 144              | C9H20O  | 001573-28-0 | 59   |
| 3       | 3-Heptanol,     | 3,6-dimethyl-       | 144              | C9H20O  | 001573-28-0 | 53   |
| 4       | 3-Octanol,      | 3-methyl-           | 144              | C9H20O  | 005340-36-3 | 37   |
| 5       | 1,2-Butanediol, | 1-(2-furyl)-2-me... | 170              | C9H14O3 | 018927-21-4 | 25   |



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MSVOA\_X  
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001-WILLETS-PT-BLVD-(JULY)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

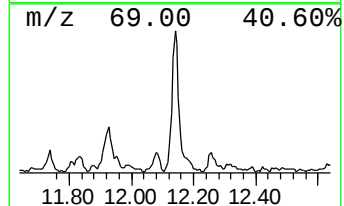
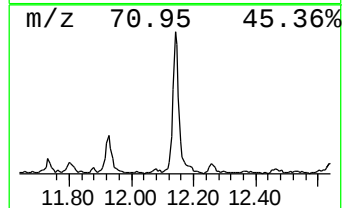
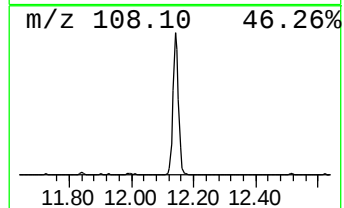
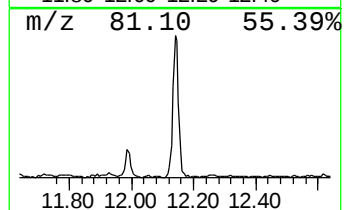
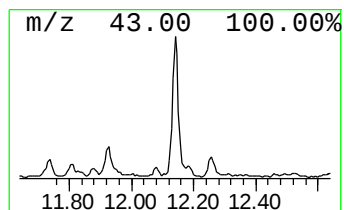
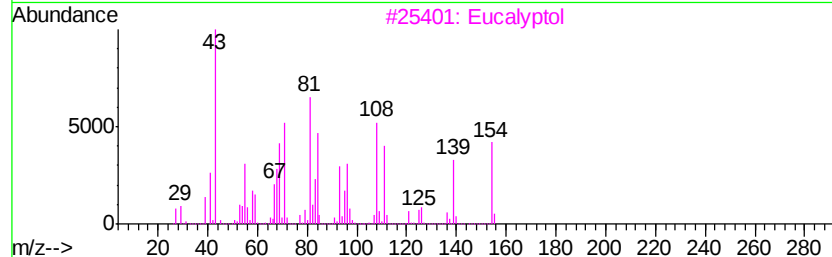
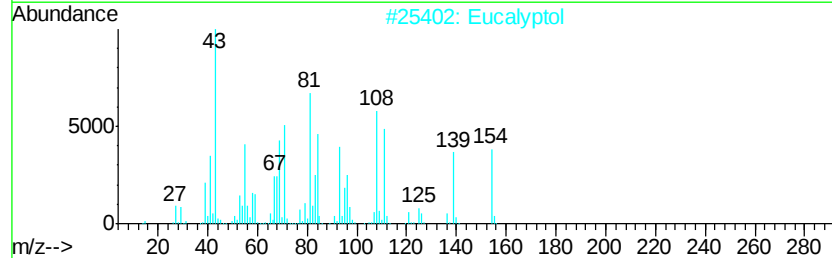
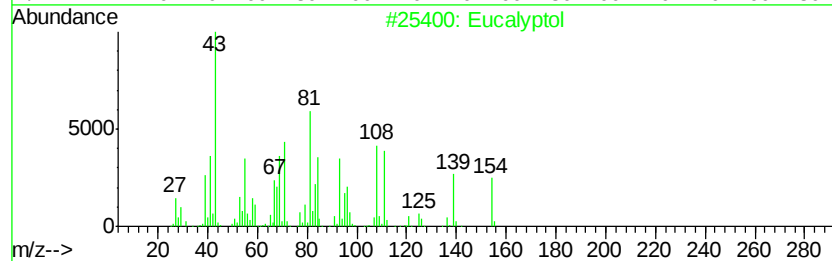
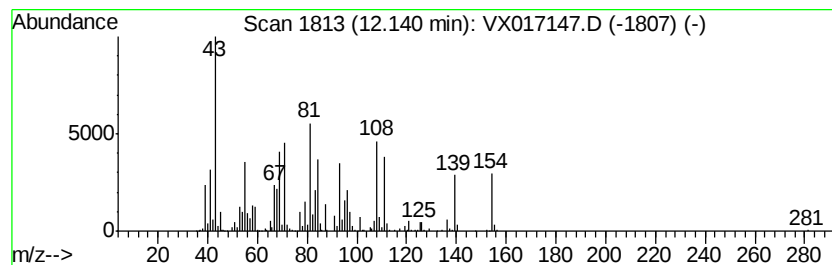
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Eucalyptol Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 12.14 | 21.29 ug/l | 422138 | Chlorobenzene-d5 | 10.10 |

| Hit# of | 5          | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|------------|--------------|-----|---------|-------------|------|
| 1       | Eucalyptol |              | 154 | C10H18O | 000470-82-6 | 99   |
| 2       | Eucalyptol |              | 154 | C10H18O | 000470-82-6 | 99   |
| 3       | Eucalyptol |              | 154 | C10H18O | 000470-82-6 | 97   |
| 4       | Eucalyptol |              | 154 | C10H18O | 000470-82-6 | 94   |
| 5       | Eucalyptol |              | 154 | C10H18O | 000470-82-6 | 72   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070220\  
Data File : VX017147.D  
Acq On : 02 Jul 2020 14:46  
Operator : JC/SP  
Sample : L3200-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
001-WILLETS-PT-BLVD-(JULY)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

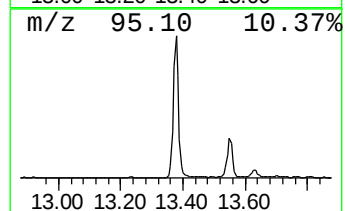
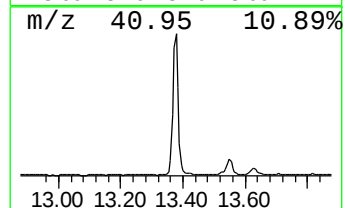
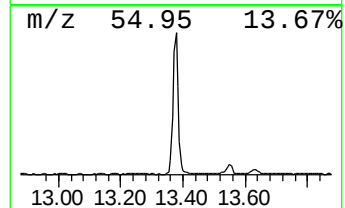
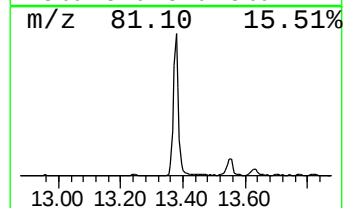
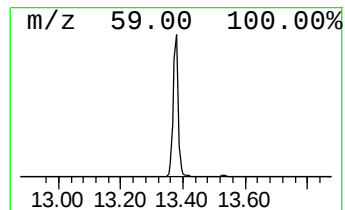
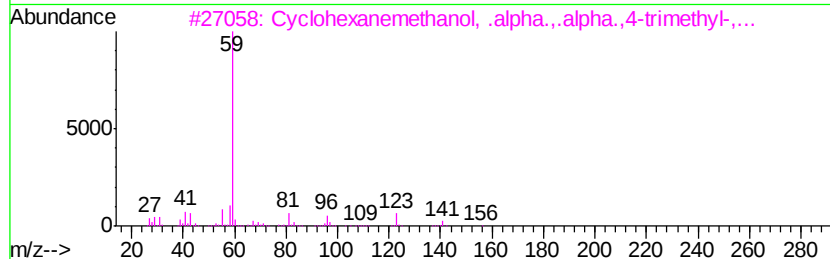
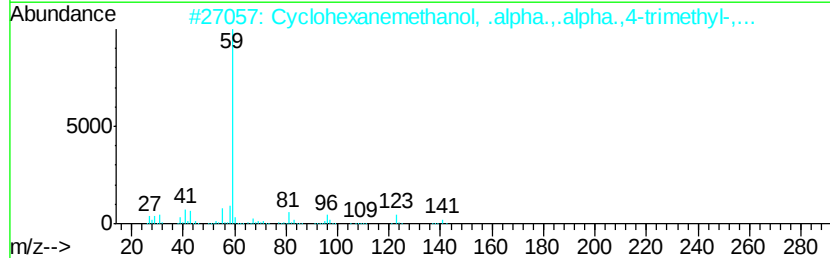
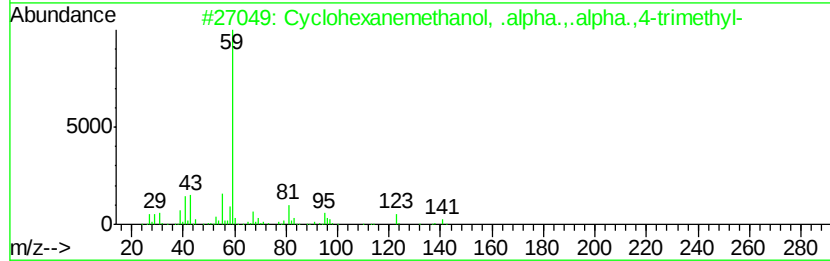
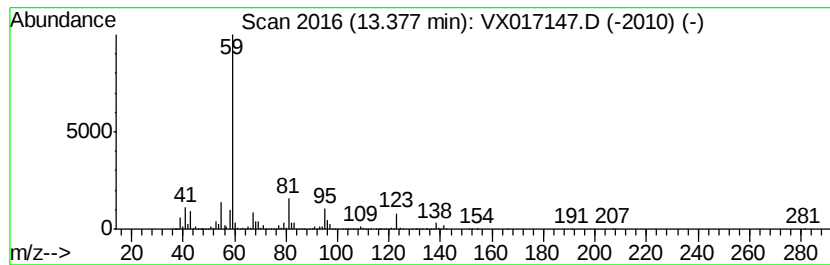
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Cyclohexanemethanol, .alpha... Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 13.38 | 90.30 ug/l | 1790730 | Chlorobenzene-d5 | 10.10 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexanemethanol, .alpha...al... | 156 | C10H20O | 000498-81-7 | 83   |
| 2    |    | Cyclohexanemethanol, .alpha...al... | 156 | C10H20O | 007322-63-6 | 72   |
| 3    |    | Cyclohexanemethanol, .alpha...al... | 156 | C10H20O | 005114-00-1 | 72   |
| 4    |    | 2,4-Dimethyl-4-penten-2-ol          | 114 | C7H14O  | 019781-53-4 | 59   |
| 5    |    | Cyclohexanemethanol, .alpha...al... | 156 | C10H20O | 000498-81-7 | 56   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070220\  
Data File : VX017147.D  
Acq On : 02 Jul 2020 14:46  
Operator : JC/SP  
Sample : L3200-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 10 Sample Multiplier: 1

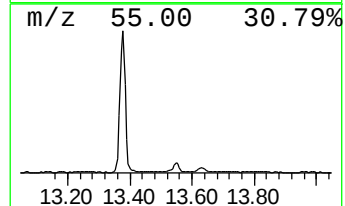
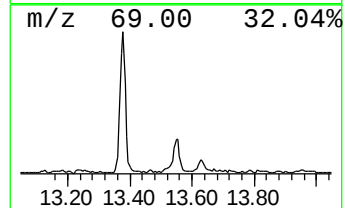
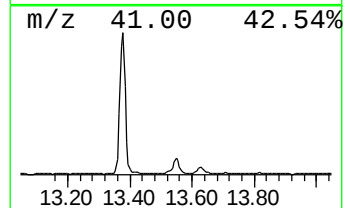
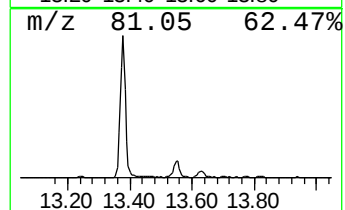
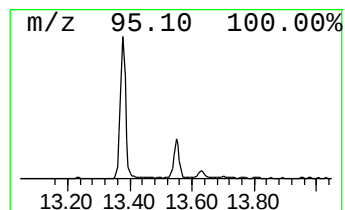
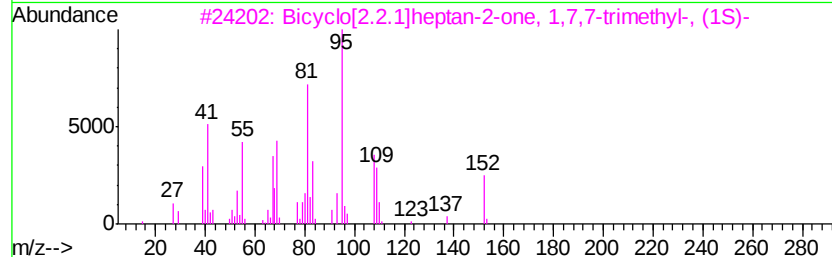
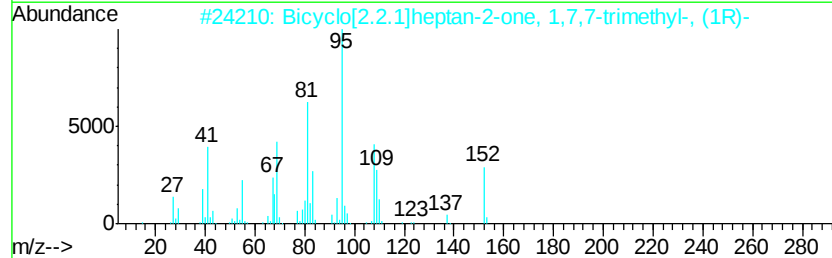
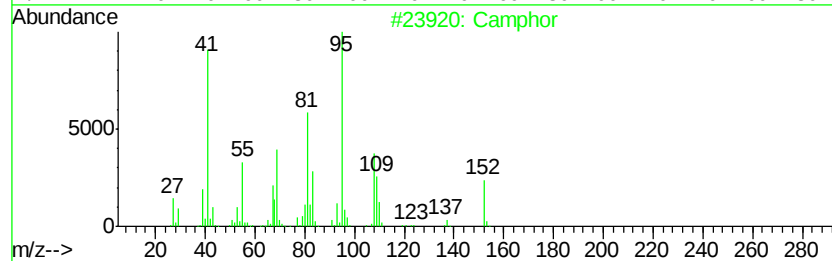
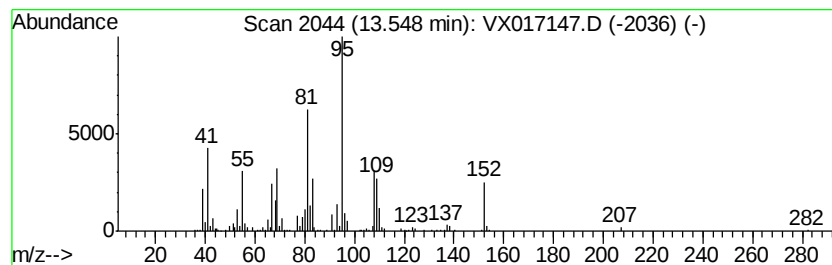
Instrument :  
MSVOA\_X  
ClientSampleId :  
001-WILLETS-PT-BLVD-(JULY)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Camphor Concentration Rank 6

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.    |             |      |
|---------|-------------------------------------|--------------|------------------|---------|-------------|------|
| 13.55   | 7.95 ug/l                           | 157586       | Chlorobenzene-d5 | 10.10   |             |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm | CAS#        | Qual |
| 1       | Camphor                             |              | 152              | C10H16O | 000076-22-2 | 98   |
| 2       | Bicyclo[2.2.1]heptan-2-one, 1,7,... |              | 152              | C10H16O | 000464-49-3 | 98   |
| 3       | Bicyclo[2.2.1]heptan-2-one, 1,7,... |              | 152              | C10H16O | 000464-48-2 | 98   |
| 4       | Camphor                             |              | 152              | C10H16O | 000076-22-2 | 98   |
| 5       | Bicyclo[2.2.1]heptan-2-one, 1,7,... |              | 152              | C10H16O | 000464-49-3 | 97   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX070220\  
Data File : VX017147.D  
Acq On : 02 Jul 2020 14:46  
Operator : JC/SP  
Sample : L3200-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
001-WILLETS-PT-BLVD-(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\624X062520W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Isopropyl Alcohol    | 2.58  | 805.0   | ug/l  | 7334190  | 1                     | 4.98  | 273334  | 30.0 |
| Acetic acid          | 6.77  | 13.4    | ug/l  | 852569   | 2                     | 6.83  | 1903350 | 30.0 |
| 4-Octene, 2,6-dim... | 10.58 | 18.1    | ug/l  | 358699   | 3                     | 10.10 | 594959  | 30.0 |
| Cyclohexane, 1-me... | 11.55 | 6.8     | ug/l  | 133822   | 3                     | 10.10 | 594959  | 30.0 |
| 3-Heptanol, 3,5-d... | 11.93 | 6.4     | ug/l  | 126941   | 3                     | 10.10 | 594959  | 30.0 |
| Eucalyptol           | 12.14 | 21.3    | ug/l  | 422138   | 3                     | 10.10 | 594959  | 30.0 |
| Cyclohexanemethan... | 13.38 | 90.3    | ug/l  | 1790730  | 3                     | 10.10 | 594959  | 30.0 |
| Camphor              | 13.55 | 8.0     | ug/l  | 157586   | 3                     | 10.10 | 594959  | 30.0 |