

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061720\  
 Data File : VU038953.D  
 Acq On : 17 Jun 2020 18:49  
 Operator : SY/MD  
 Sample : L3040-09  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9L22

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\SOMUTR061720WMA.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         | 1.366       | 3             | 8           | 19           | rBV2     | 48594          | 49672         | 3.63%           | 0.438%        |
| 2         | 1.604       | 71            | 82          | 90           | rBV2     | 145719         | 210638        | 15.39%          | 1.859%        |
| 3         | 1.739       | 119           | 124         | 134          | rVB3     | 18585          | 22874         | 1.67%           | 0.202%        |
| 4         | 1.928       | 174           | 183         | 196          | rBV      | 119728         | 167516        | 12.24%          | 1.478%        |
| 5         | 2.166       | 252           | 257         | 261          | rBV4     | 16816          | 21203         | 1.55%           | 0.187%        |
| 6         | 2.594       | 379           | 390         | 402          | rVB      | 314618         | 503260        | 36.77%          | 4.441%        |
| 7         | 3.086       | 531           | 543         | 551          | rBV3     | 12576          | 37909         | 2.77%           | 0.335%        |
| 8         | 4.504       | 963           | 984         | 985          | rBV7     | 11027          | 26864         | 1.96%           | 0.237%        |
| 9         | 4.764       | 1036          | 1065        | 1102         | rBV      | 110312         | 483071        | 35.30%          | 4.263%        |
| 10        | 5.112       | 1157          | 1173        | 1193         | rVB      | 204586         | 455507        | 33.28%          | 4.020%        |
| 11        | 5.774       | 1355          | 1379        | 1407         | rBV2     | 446987         | 1063452       | 77.70%          | 9.385%        |
| 12        | 6.292       | 1527          | 1540        | 1563         | rVB      | 365272         | 676721        | 49.45%          | 5.972%        |
| 13        | 6.677       | 1645          | 1660        | 1665         | rBV4     | 18471          | 31626         | 2.31%           | 0.279%        |
| 14        | 6.735       | 1666          | 1678        | 1702         | rVB      | 253839         | 497950        | 36.38%          | 4.395%        |
| 15        | 7.218       | 1816          | 1828        | 1853         | rVB2     | 65787          | 134979        | 9.86%           | 1.191%        |
| 16        | 7.597       | 1934          | 1946        | 1965         | rBV      | 127825         | 223840        | 16.36%          | 1.975%        |
| 17        | 7.838       | 2007          | 2021        | 2029         | rBV5     | 9140           | 20807         | 1.52%           | 0.184%        |
| 18        | 7.928       | 2037          | 2049        | 2062         | rVB      | 463734         | 777838        | 56.83%          | 6.865%        |
| 19        | 7.999       | 2063          | 2071        | 2081         | rVB2     | 10208          | 15028         | 1.10%           | 0.133%        |
| 20        | 8.208       | 2122          | 2136        | 2152         | rVB2     | 85393          | 142808        | 10.43%          | 1.260%        |
| 21        | 8.520       | 2217          | 2233        | 2242         | rBV5     | 7879           | 17683         | 1.29%           | 0.156%        |
| 22        | 8.578       | 2242          | 2251        | 2260         | rVB5     | 11329          | 17848         | 1.30%           | 0.158%        |
| 23        | 8.668       | 2264          | 2279        | 2315         | rVV      | 734935         | 1368618       | 100.00%         | 12.079%       |
| 24        | 8.812       | 2317          | 2324        | 2339         | rVB3     | 13887          | 24186         | 1.77%           | 0.213%        |
| 25        | 9.436       | 2505          | 2518        | 2537         | rBV      | 514858         | 854865        | 62.46%          | 7.545%        |
| 26        | 9.658       | 2570          | 2587        | 2597         | rVB4     | 21533          | 43411         | 3.17%           | 0.383%        |
| 27        | 9.783       | 2614          | 2626        | 2649         | rVB3     | 9450           | 22902         | 1.67%           | 0.202%        |
| 28        | 9.938       | 2665          | 2674        | 2686         | rVB2     | 11302          | 18132         | 1.32%           | 0.160%        |
| 29        | 10.253      | 2758          | 2772        | 2785         | rBV5     | 9654           | 18404         | 1.34%           | 0.162%        |
| 30        | 10.362      | 2797          | 2806        | 2820         | rVB5     | 13608          | 22713         | 1.66%           | 0.200%        |
| 31        | 10.700      | 2903          | 2911        | 2921         | rVB2     | 19269          | 28452         | 2.08%           | 0.251%        |
| 32        | 10.774      | 2921          | 2934        | 2946         | rBV      | 212998         | 343520        | 25.10%          | 3.032%        |
| 33        | 10.980      | 2982          | 2998        | 3012         | rBV3     | 32835          | 57284         | 4.19%           | 0.506%        |
| 34        | 11.063      | 3013          | 3024        | 3032         | rVB5     | 9507           | 16131         | 1.18%           | 0.142%        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061720\  
 Data File : VU038953.D  
 Acq On : 17 Jun 2020 18:49  
 Operator : SY/MD  
 Sample : L3040-09  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9L22

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\SOMUTR061720WMA.M  
 Title : TRACE VOA SOM01.0

|    |        |      |      |      |       |        |        |        |        |
|----|--------|------|------|------|-------|--------|--------|--------|--------|
| 35 | 11.584 | 3176 | 3186 | 3197 | rBV3  | 25710  | 40025  | 2.92%  | 0.353% |
| 36 | 11.697 | 3214 | 3221 | 3230 | rVB5  | 13998  | 21249  | 1.55%  | 0.188% |
| 37 | 11.822 | 3247 | 3260 | 3274 | rVB   | 531754 | 830570 | 60.69% | 7.330% |
| 38 | 12.076 | 3327 | 3339 | 3359 | rBV2  | 59372  | 140560 | 10.27% | 1.240% |
| 39 | 12.205 | 3367 | 3379 | 3393 | rVB   | 502654 | 800254 | 58.47% | 7.063% |
| 40 | 12.336 | 3411 | 3420 | 3430 | rBV   | 37018  | 54928  | 4.01%  | 0.485% |
| 41 | 12.793 | 3551 | 3562 | 3571 | rBV2  | 40276  | 60841  | 4.45%  | 0.537% |
| 42 | 12.906 | 3587 | 3597 | 3608 | rVB4  | 23578  | 35662  | 2.61%  | 0.315% |
| 43 | 13.163 | 3669 | 3677 | 3689 | rVB   | 9687   | 15738  | 1.15%  | 0.139% |
| 44 | 14.015 | 3933 | 3942 | 3952 | rBV9  | 9867   | 15281  | 1.12%  | 0.135% |
| 45 | 14.086 | 3958 | 3964 | 3980 | rVB9  | 7145   | 13821  | 1.01%  | 0.122% |
| 46 | 14.227 | 3995 | 4008 | 4018 | rBV2  | 64539  | 101174 | 7.39%  | 0.893% |
| 47 | 14.349 | 4039 | 4046 | 4057 | rVB4  | 13871  | 22424  | 1.64%  | 0.198% |
| 48 | 14.700 | 4138 | 4155 | 4169 | rBV10 | 7755   | 22688  | 1.66%  | 0.200% |
| 49 | 14.873 | 4200 | 4209 | 4216 | rBV3  | 12482  | 23282  | 1.70%  | 0.205% |
| 50 | 14.918 | 4217 | 4223 | 4232 | rVB9  | 10375  | 19150  | 1.40%  | 0.169% |
| 51 | 15.741 | 4469 | 4479 | 4490 | rVB6  | 26756  | 45572  | 3.33%  | 0.402% |
| 52 | 16.195 | 4612 | 4620 | 4631 | rVB6  | 14638  | 22699  | 1.66%  | 0.200% |
| 53 | 16.838 | 4811 | 4820 | 4828 | rBV2  | 47594  | 71107  | 5.20%  | 0.628% |
| 54 | 16.963 | 4846 | 4859 | 4876 | rBV   | 324744 | 556230 | 40.64% | 4.909% |

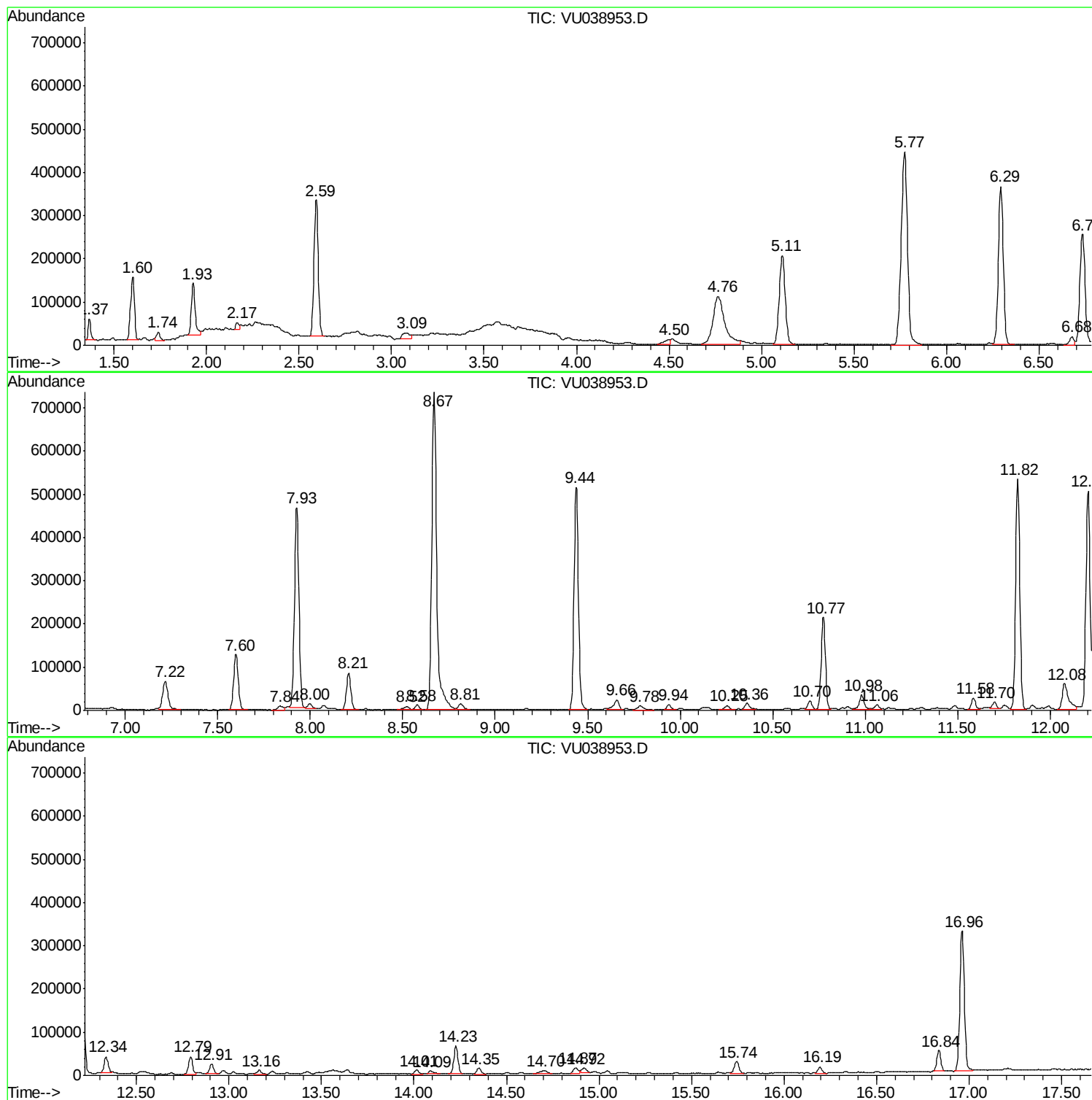
Sum of corrected areas: 11330967

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061720\  
Data File : VU038953.D  
Acq On : 17 Jun 2020 18:49  
Operator : SY/MD  
Sample : L3040-09  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampled :  
F9L22

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR061720WMA.M  
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061720\  
Data File : VU038953.D  
Acq On : 17 Jun 2020 18:49  
Operator : SY/MD  
Sample : L3040-09  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9L22

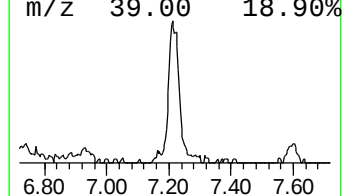
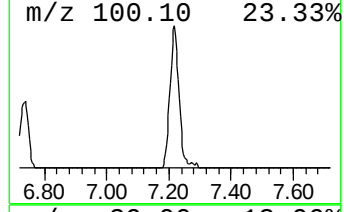
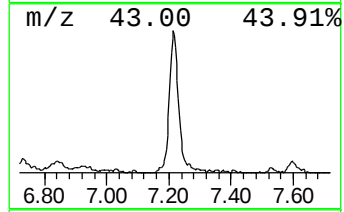
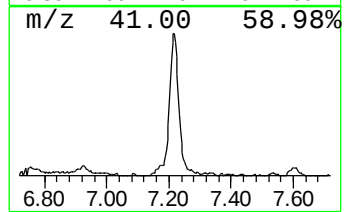
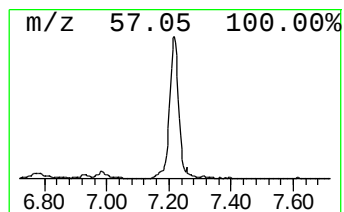
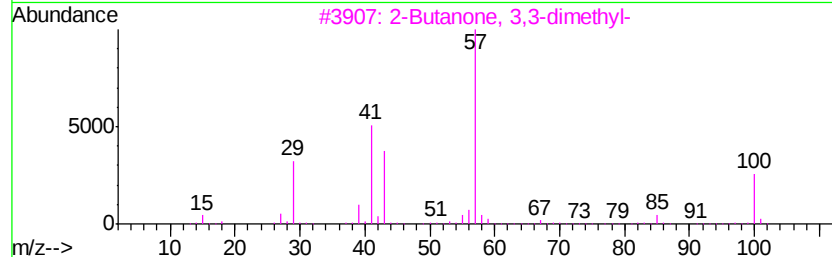
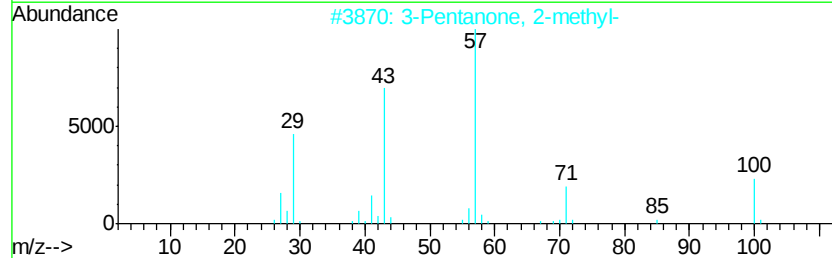
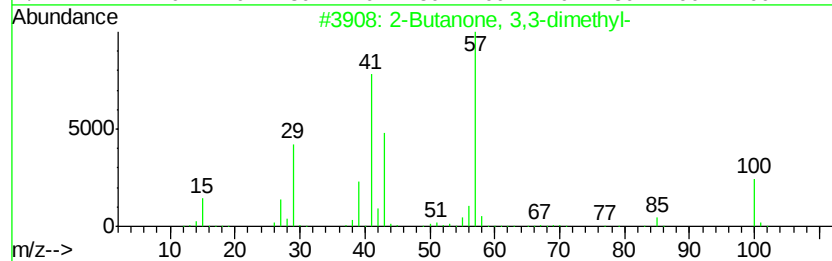
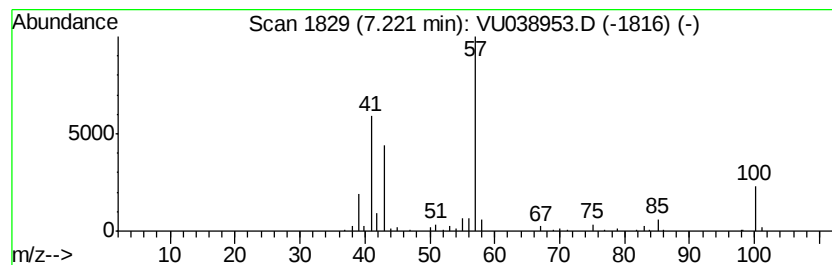
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR061720WMA.M  
Quant Title : TRACE VOA SOM01.0

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

\*\*\*\*\*  
Peak Number 1 2-Butanone, 3,3-dimethyl- Concentration Rank 3

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 7.22 | 1.00 ug/L | 134979 | 1,4-Difluorobenzene | 6.29 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Butanone, 3,3-dimethyl- | 100 | C6H12O  | 000075-97-8 | 86   |
| 2    |    |   | 3-Pentanone, 2-methyl-    | 100 | C6H12O  | 000565-69-5 | 80   |
| 3    |    |   | 2-Butanone, 3,3-dimethyl- | 100 | C6H12O  | 000075-97-8 | 80   |
| 4    |    |   | 3-Pentanone, 2-methyl-    | 100 | C6H12O  | 000565-69-5 | 80   |
| 5    |    |   | 3-Hexanone                | 100 | C6H12O  | 000589-38-8 | 59   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061720\  
Data File : VU038953.D  
Acq On : 17 Jun 2020 18:49  
Operator : SY/MD  
Sample : L3040-09  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9L22

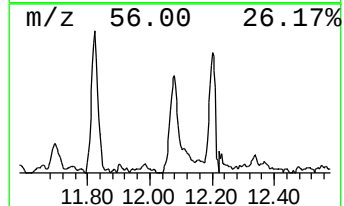
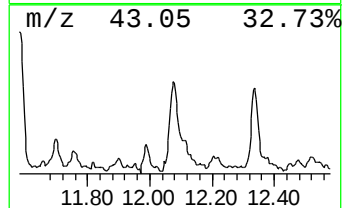
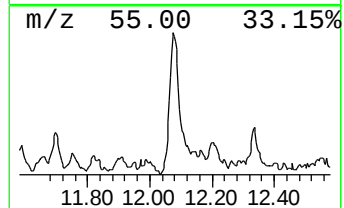
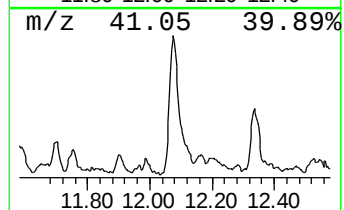
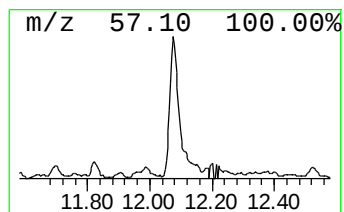
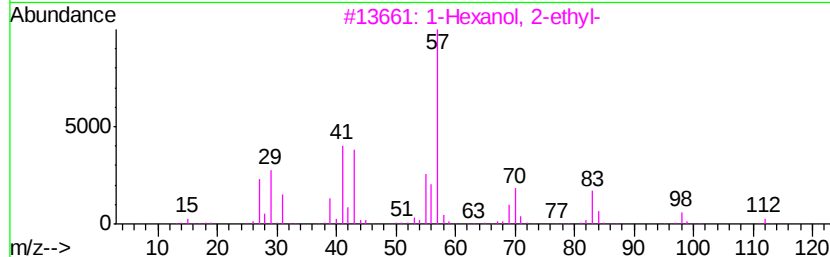
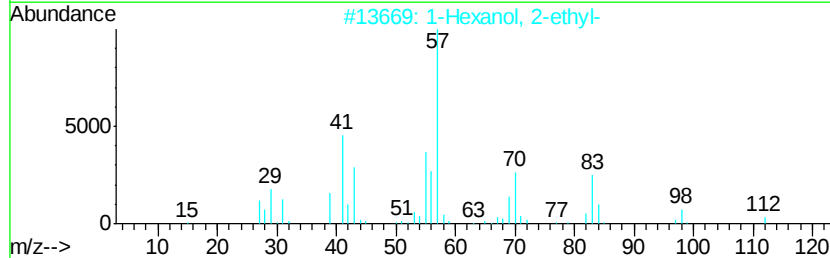
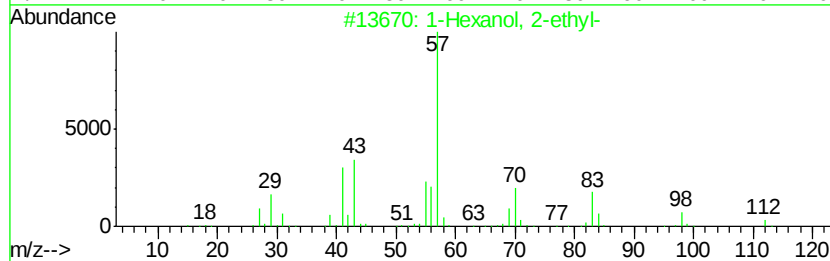
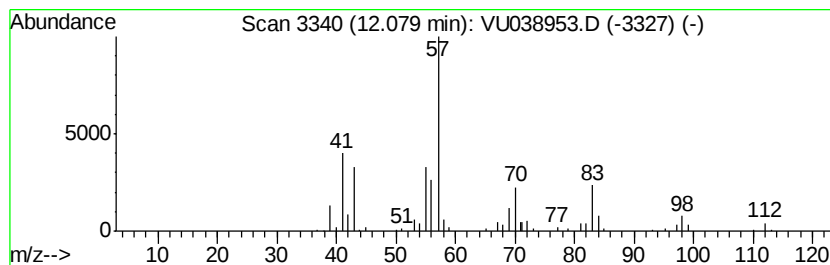
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR061720WMA.M  
Quant Title : TRACE VOA SOM01.0

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

\*\*\*\*\*  
Peak Number 3 1-Hexanol, 2-ethyl- Concentration Rank 4

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 12.08 | 0.85 ug/L | 140560 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Hexanol, 2-ethyl-   | 130 | C8H18O  | 000104-76-7 | 83   |
| 2    |    |   | 1-Hexanol, 2-ethyl-   | 130 | C8H18O  | 000104-76-7 | 78   |
| 3    |    |   | 1-Hexanol, 2-ethyl-   | 130 | C8H18O  | 000104-76-7 | 72   |
| 4    |    |   | Octane, 2,3-dimethyl- | 142 | C10H22  | 007146-60-3 | 53   |
| 5    |    |   | Heptane, 1,1'-oxybis- | 214 | C14H30O | 000629-64-1 | 50   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061720\  
Data File : VU038953.D  
Acq On : 17 Jun 2020 18:49  
Operator : SY/MD  
Sample : L3040-09  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9L22

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR061720WMA.M  
Quant Title : TRACE VOA SOM01.0

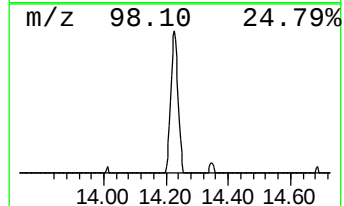
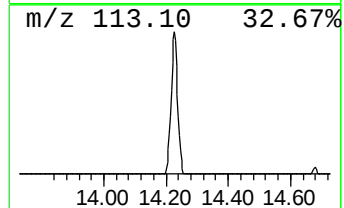
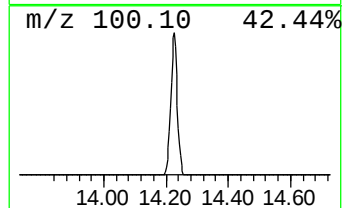
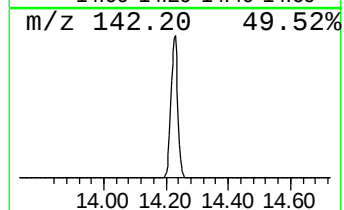
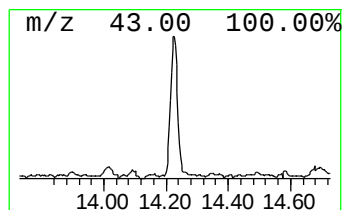
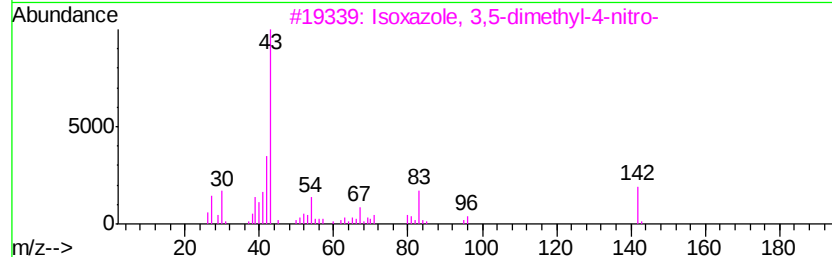
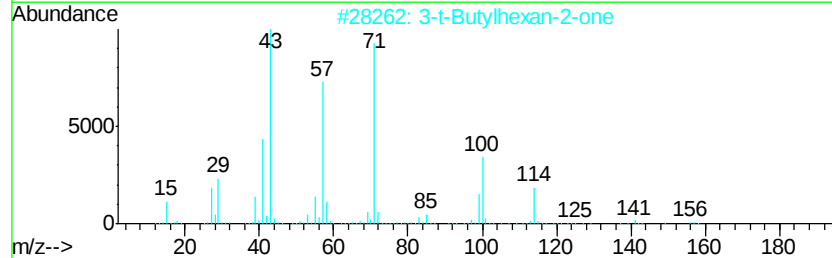
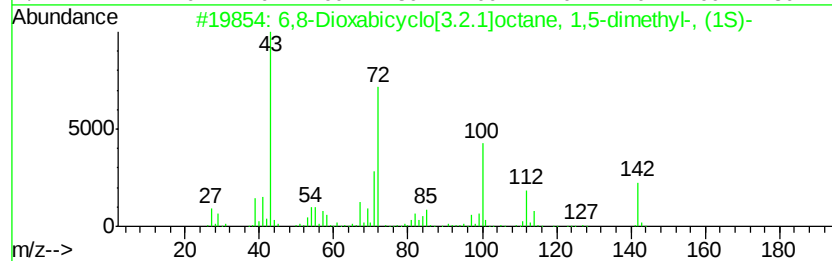
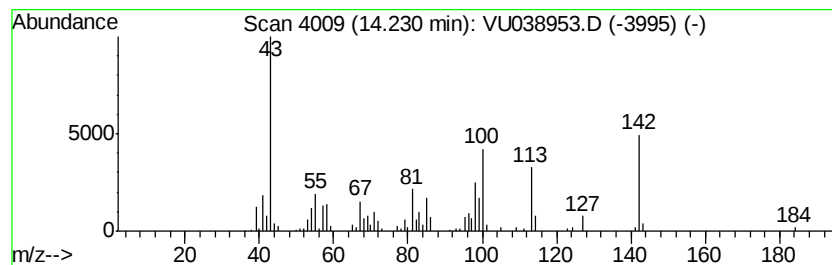
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 unknown-01 Concentration Rank 5

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 14.23 | 0.61 ug/L | 101174 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 6,8-Dioxabicyclo[3.2.1]octane, 1... | 142 | C8H14O2  | 028401-39-0  | 27   |
| 2    |    | 3-t-Butylhexan-2-one                | 156 | C10H20O  | 1000202-22-9 | 12   |
| 3    |    | Isoxazole, 3,5-dimethyl-4-nitro-    | 142 | C5H6N2O3 | 001123-49-5  | 12   |
| 4    |    | 4-(7-Methoxy-3,3,7-trimethyl-oxe... | 240 | C14H24O3 | 107675-07-0  | 12   |
| 5    |    | Cyclohexanemethylamine              | 113 | C7H15N   | 003218-02-8  | 11   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061720\  
Data File : VU038953.D  
Acq On : 17 Jun 2020 18:49  
Operator : SY/MD  
Sample : L3040-09  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

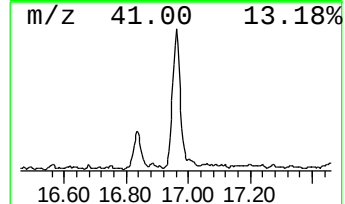
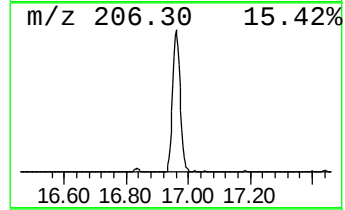
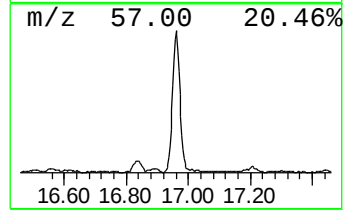
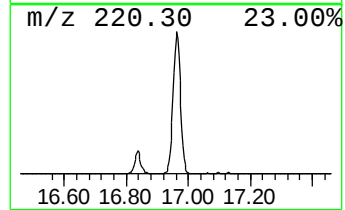
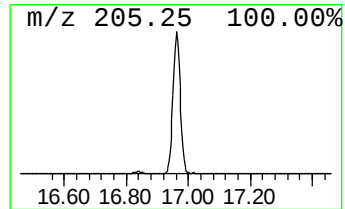
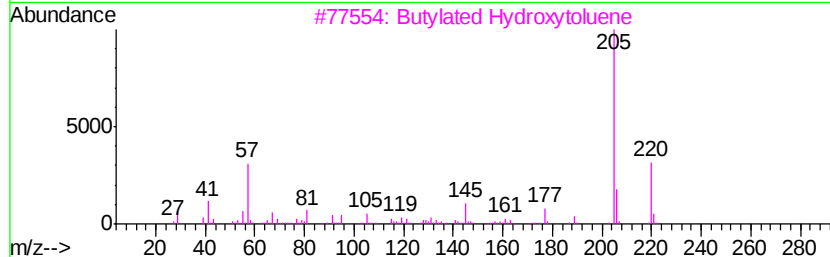
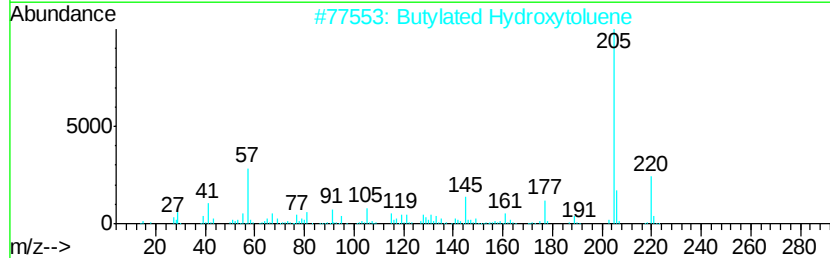
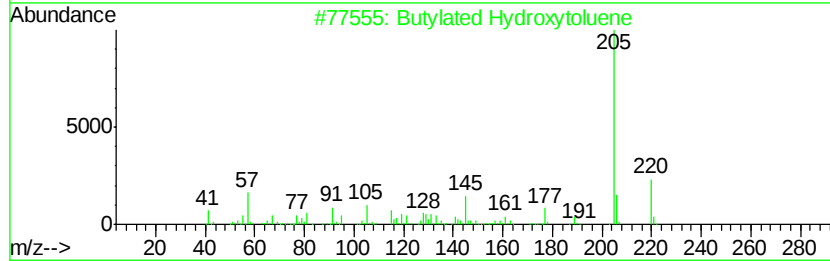
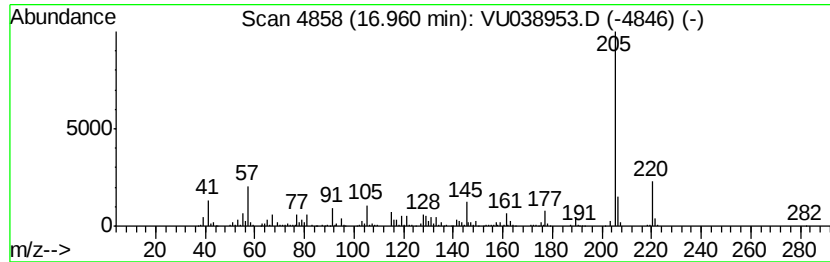
Instrument :  
MSVOA\_U  
ClientSampleId :  
F9L22

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR061720WMA.M  
Quant Title : TRACE VOA SOM01.0

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

\*\*\*\*\*  
Peak Number 5 Butylated Hydroxytoluene Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 16.96   | 3.35 ug/L                           | 556230       | 1,4-Dichlorobenzene-d4 | 11.83     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Butylated Hydroxytoluene            | 220 C15H24O  | 000128-37-0            | 99        |
| 2       | Butylated Hydroxytoluene            | 220 C15H24O  | 000128-37-0            | 98        |
| 3       | Butylated Hydroxytoluene            | 220 C15H24O  | 000128-37-0            | 97        |
| 4       | Butylated Hydroxytoluene            | 220 C15H24O  | 000128-37-0            | 94        |
| 5       | Phenol, 4,6-di(1,1-dimethylethyl... | 220 C15H24O  | 000616-55-7            | 93        |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU061720\  
Data File : VU038953.D  
Acq On : 17 Jun 2020 18:49  
Operator : SY/MD  
Sample : L3040-09  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9L22

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR061720WMA.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 |
| 2-Butanone, 3,3-d... | 7.22  | 1.0     | ug/L  | 134979   | 1                     | 6.29  | 676721 | 5.0  |
| 1-Hexanol, 2-ethyl-  | 12.08 | 0.8     | ug/L  | 140560   | 3                     | 11.83 | 830570 | 5.0  |
| unknown-01           | 14.23 | 0.6     | ug/L  | 101174   | 3                     | 11.83 | 830570 | 5.0  |
| Butylated Hydroxy... | 16.96 | 3.4     | ug/L  | 556230   | 3                     | 11.83 | 830570 | 5.0  |