

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041321\  
 Data File : VU043047.D  
 Acq On : 13 Apr 2021 13:32  
 Operator : SY/MD  
 Sample : M1952-04  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 31027

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
 Title : SW846 8260

Signal : TIC: VU043047.D\data.ms

| 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         | 1.498       | 40            | 49          | 54           | rBV5     | 4464           | 8039          | 1.09%           | 0.105%        |
| 2         | 1.691       | 103           | 109         | 118          | rVB3     | 5547           | 7535          | 1.02%           | 0.098%        |
| 3         | 2.340       | 291           | 311         | 345          | rVB3     | 12132          | 62822         | 8.51%           | 0.818%        |
| 4         | 2.639       | 390           | 404         | 428          | rBV      | 66092          | 135020        | 18.28%          | 1.757%        |
| 5         | 2.803       | 441           | 455         | 464          | rBV4     | 3169           | 8391          | 1.14%           | 0.109%        |
| 6         | 3.369       | 619           | 631         | 646          | rBV3     | 4490           | 10555         | 1.43%           | 0.137%        |
| 7         | 4.009       | 816           | 830         | 840          | rBV4     | 4101           | 9986          | 1.35%           | 0.130%        |
| 8         | 4.719       | 1038          | 1051        | 1068         | rBV2     | 10388          | 25136         | 3.40%           | 0.327%        |
| 9         | 5.298       | 1212          | 1231        | 1244         | rBV      | 119212         | 253584        | 34.33%          | 3.300%        |
| 10        | 5.382       | 1244          | 1257        | 1275         | rVB      | 186338         | 382381        | 51.77%          | 4.976%        |
| 11        | 5.710       | 1346          | 1359        | 1373         | rBV      | 133849         | 276758        | 37.47%          | 3.602%        |
| 12        | 5.780       | 1373          | 1381        | 1398         | rVB      | 21751          | 45047         | 6.10%           | 0.586%        |
| 13        | 6.256       | 1514          | 1529        | 1554         | rBV      | 280208         | 522236        | 70.70%          | 6.796%        |
| 14        | 7.906       | 2028          | 2042        | 2055         | rBV      | 431736         | 738619        | 100.00%         | 9.612%        |
| 15        | 7.976       | 2055          | 2064        | 2077         | rVB2     | 38857          | 67116         | 9.09%           | 0.873%        |
| 16        | 9.423       | 2499          | 2514        | 2535         | rBV      | 390317         | 647204        | 87.62%          | 8.423%        |
| 17        | 9.925       | 2662          | 2670        | 2680         | rBV3     | 5022           | 7683          | 1.04%           | 0.100%        |
| 18        | 10.108      | 2715          | 2727        | 2741         | rBV      | 142942         | 228511        | 30.94%          | 2.974%        |
| 19        | 10.639      | 2879          | 2892        | 2918         | rVB      | 331392         | 528327        | 71.53%          | 6.876%        |
| 20        | 11.031      | 2999          | 3014        | 3024         | rBV2     | 27887          | 46769         | 6.33%           | 0.609%        |
| 21        | 11.095      | 3024          | 3034        | 3050         | rVB      | 45290          | 72730         | 9.85%           | 0.946%        |
| 22        | 11.298      | 3084          | 3097        | 3108         | rVB      | 35804          | 55587         | 7.53%           | 0.723%        |
| 23        | 11.819      | 3246          | 3259        | 3274         | rVV      | 416695         | 651731        | 88.24%          | 8.482%        |
| 24        | 11.902      | 3274          | 3285        | 3303         | rVB      | 108803         | 188131        | 25.47%          | 2.448%        |
| 25        | 12.070      | 3325          | 3337        | 3340         | rBV3     | 12758          | 18871         | 2.55%           | 0.246%        |
| 26        | 12.102      | 3341          | 3347        | 3365         | rVV4     | 33651          | 66182         | 8.96%           | 0.861%        |
| 27        | 12.198      | 3365          | 3377        | 3389         | rVB2     | 37609          | 62347         | 8.44%           | 0.811%        |
| 28        | 12.311      | 3403          | 3412        | 3425         | rBV6     | 4560           | 8517          | 1.15%           | 0.111%        |
| 29        | 12.385      | 3425          | 3435        | 3448         | rVB      | 8986           | 14259         | 1.93%           | 0.186%        |
| 30        | 12.504      | 3466          | 3472        | 3481         | rVB2     | 5842           | 8133          | 1.10%           | 0.106%        |
| 31        | 12.578      | 3483          | 3495        | 3505         | rBV2     | 43174          | 65862         | 8.92%           | 0.857%        |
| 32        | 12.693      | 3519          | 3531        | 3552         | rBV6     | 14137          | 37818         | 5.12%           | 0.492%        |
| 33        | 12.819      | 3562          | 3570        | 3577         | rBV9     | 5112           | 8236          | 1.12%           | 0.107%        |
| 34        | 12.883      | 3580          | 3590        | 3602         | rVB      | 22341          | 34190         | 4.63%           | 0.445%        |
| 35        | 12.979      | 3610          | 3620        | 3628         | rBV      | 37832          | 54544         | 7.38%           | 0.710%        |
| 36        | 13.031      | 3628          | 3636        | 3652         | rVB      | 72073          | 110674        | 14.98%          | 1.440%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041321\  
 Data File : VU043047.D  
 Acq On : 13 Apr 2021 13:32  
 Operator : SY/MD  
 Sample : M1952-04  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 31027

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
 Title : SW846 8260

|    |        |      |      |      |       |        |        |        |        |
|----|--------|------|------|------|-------|--------|--------|--------|--------|
| 37 | 13.114 | 3652 | 3662 | 3666 | rBV3  | 9304   | 14269  | 1.93%  | 0.186% |
| 38 | 13.259 | 3701 | 3707 | 3711 | rBV5  | 5557   | 7444   | 1.01%  | 0.097% |
| 39 | 13.298 | 3711 | 3719 | 3730 | rVB4  | 30376  | 48641  | 6.59%  | 0.633% |
| 40 | 13.359 | 3730 | 3738 | 3745 | rVB8  | 6683   | 10508  | 1.42%  | 0.137% |
| 41 | 13.417 | 3745 | 3756 | 3759 | rBV3  | 12575  | 19333  | 2.62%  | 0.252% |
| 42 | 13.462 | 3759 | 3770 | 3782 | rVB5  | 146816 | 249767 | 33.82% | 3.250% |
| 43 | 13.568 | 3797 | 3803 | 3809 | rVB2  | 10104  | 12012  | 1.63%  | 0.156% |
| 44 | 13.629 | 3814 | 3822 | 3838 | rVB2  | 33122  | 57850  | 7.83%  | 0.753% |
| 45 | 13.741 | 3845 | 3857 | 3865 | rBV6  | 14206  | 25005  | 3.39%  | 0.325% |
| 46 | 13.793 | 3865 | 3873 | 3880 | rVV   | 25596  | 42987  | 5.82%  | 0.559% |
| 47 | 13.844 | 3880 | 3889 | 3905 | rVV4  | 48821  | 119774 | 16.22% | 1.559% |
| 48 | 13.918 | 3905 | 3912 | 3915 | rVV3  | 16370  | 25208  | 3.41%  | 0.328% |
| 49 | 13.950 | 3915 | 3922 | 3937 | rVB4  | 37390  | 81353  | 11.01% | 1.059% |
| 50 | 14.124 | 3971 | 3976 | 3985 | rVB4  | 7695   | 10715  | 1.45%  | 0.139% |
| 51 | 14.198 | 3986 | 3999 | 4014 | rVB4  | 32478  | 60436  | 8.18%  | 0.787% |
| 52 | 14.295 | 4016 | 4029 | 4040 | rBV3  | 49878  | 94397  | 12.78% | 1.228% |
| 53 | 14.352 | 4040 | 4047 | 4057 | rVB2  | 21275  | 32573  | 4.41%  | 0.424% |
| 54 | 14.491 | 4081 | 4090 | 4101 | rVB   | 45135  | 72627  | 9.83%  | 0.945% |
| 55 | 14.613 | 4120 | 4128 | 4136 | rVB6  | 4998   | 8015   | 1.09%  | 0.104% |
| 56 | 14.693 | 4137 | 4153 | 4172 | rBV4  | 113009 | 266411 | 36.07% | 3.467% |
| 57 | 14.819 | 4183 | 4192 | 4202 | rBV2  | 30514  | 51292  | 6.94%  | 0.668% |
| 58 | 14.886 | 4204 | 4213 | 4223 | rVB3  | 55821  | 88891  | 12.03% | 1.157% |
| 59 | 14.947 | 4223 | 4232 | 4244 | rVB3  | 12183  | 19197  | 2.60%  | 0.250% |
| 60 | 15.024 | 4245 | 4256 | 4269 | rBV2  | 84235  | 148884 | 20.16% | 1.938% |
| 61 | 15.204 | 4303 | 4312 | 4327 | rBV4  | 59651  | 128589 | 17.41% | 1.673% |
| 62 | 15.282 | 4328 | 4336 | 4349 | rVB2  | 37447  | 64818  | 8.78%  | 0.844% |
| 63 | 15.356 | 4349 | 4359 | 4369 | rBV3  | 16061  | 28223  | 3.82%  | 0.367% |
| 64 | 15.413 | 4369 | 4377 | 4386 | rBV8  | 5043   | 9180   | 1.24%  | 0.119% |
| 65 | 15.475 | 4386 | 4396 | 4402 | rVV3  | 29226  | 48761  | 6.60%  | 0.635% |
| 66 | 15.510 | 4402 | 4407 | 4418 | rVB6  | 23653  | 37500  | 5.08%  | 0.488% |
| 67 | 15.587 | 4420 | 4431 | 4444 | rBV5  | 28561  | 65283  | 8.84%  | 0.850% |
| 68 | 15.774 | 4473 | 4489 | 4499 | rBV6  | 13890  | 27162  | 3.68%  | 0.353% |
| 69 | 15.934 | 4527 | 4539 | 4555 | rBV3  | 60991  | 123577 | 16.73% | 1.608% |
| 70 | 16.159 | 4600 | 4609 | 4616 | rBV7  | 11785  | 19397  | 2.63%  | 0.252% |
| 71 | 16.275 | 4636 | 4645 | 4652 | rBV3  | 14910  | 24564  | 3.33%  | 0.320% |
| 72 | 16.323 | 4654 | 4660 | 4670 | rVB5  | 11834  | 19158  | 2.59%  | 0.249% |
| 73 | 16.417 | 4682 | 4689 | 4697 | rVB5  | 15095  | 24448  | 3.31%  | 0.318% |
| 74 | 16.458 | 4697 | 4702 | 4716 | rVB5  | 8246   | 15975  | 2.16%  | 0.208% |
| 75 | 16.658 | 4756 | 4764 | 4771 | rBV10 | 6309   | 10363  | 1.40%  | 0.135% |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041321\  
Data File : VU043047.D  
Acq On : 13 Apr 2021 13:32  
Operator : SY/MD  
Sample : M1952-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
31027

Integration Parameters: RTEINT.P  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
Title : SW846 8260

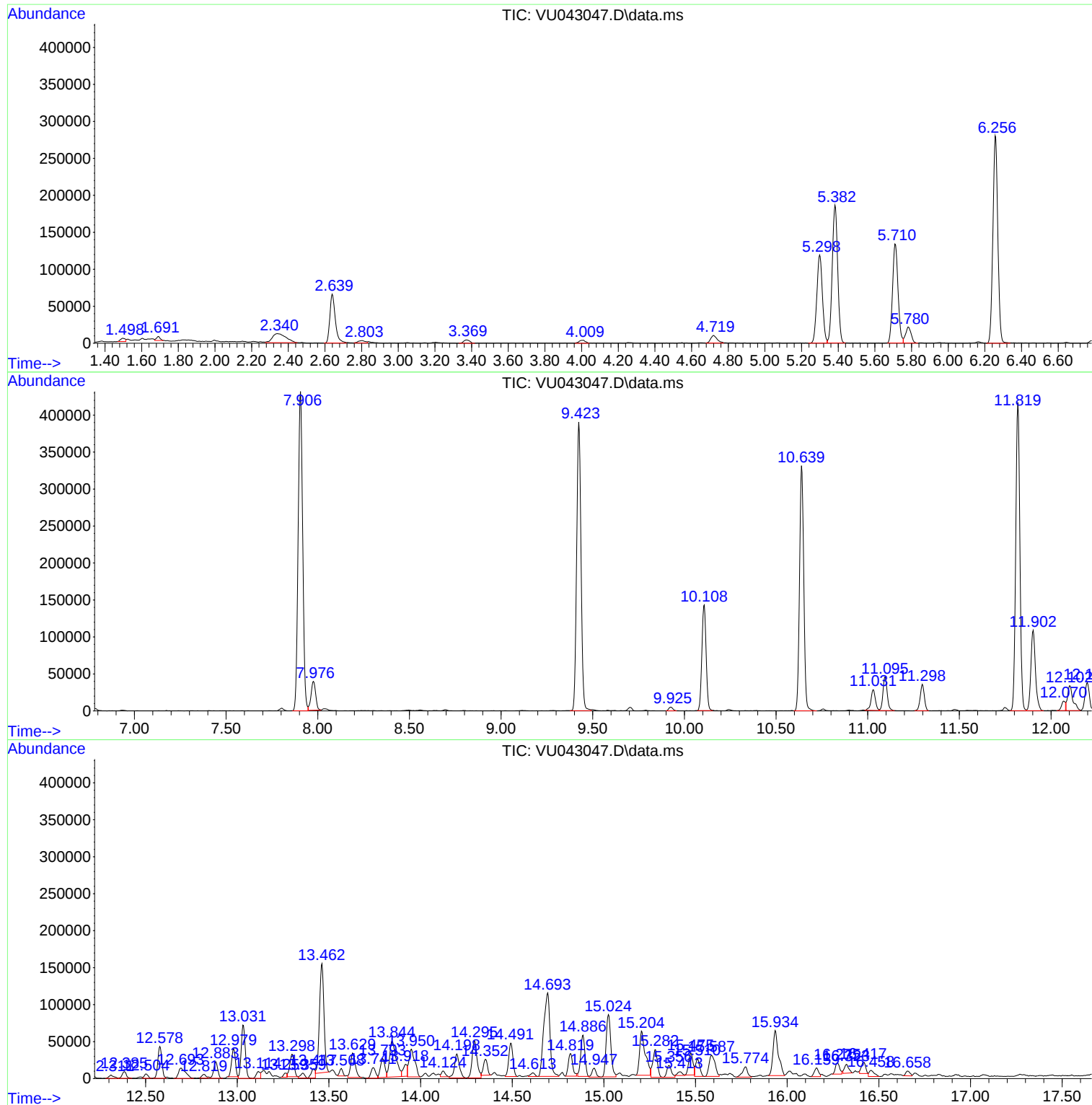
Sum of corrected areas: 7684118

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041321\  
Data File : VU043047.D  
Acq On : 13 Apr 2021 13:32  
Operator : SY/MD  
Sample : M1952-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
31027

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041321\  
Data File : VU043047.D  
Acq On : 13 Apr 2021 13:32  
Operator : SY/MD  
Sample : M1952-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
31027

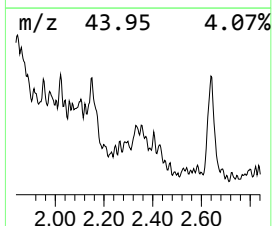
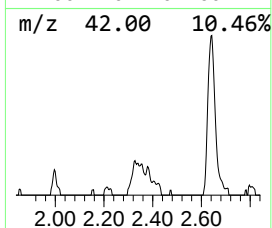
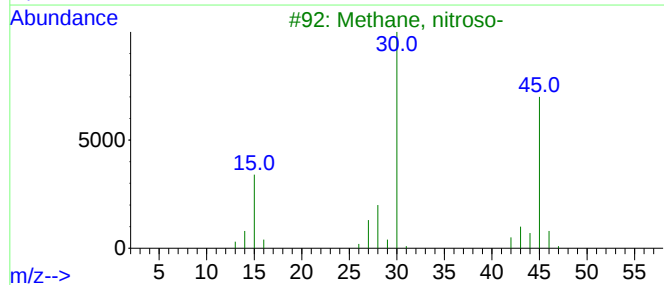
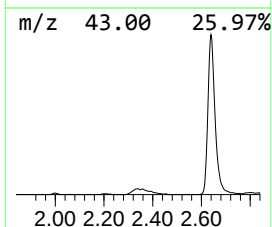
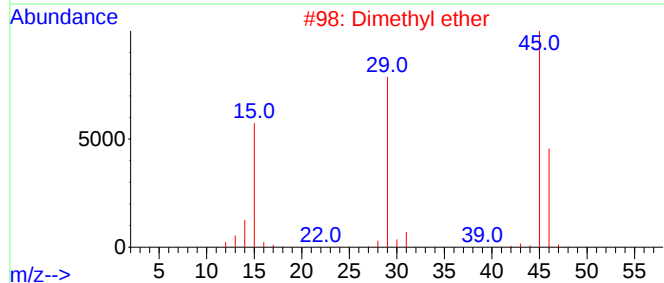
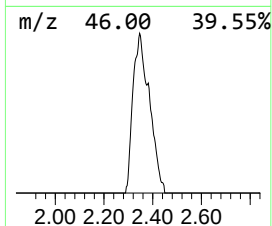
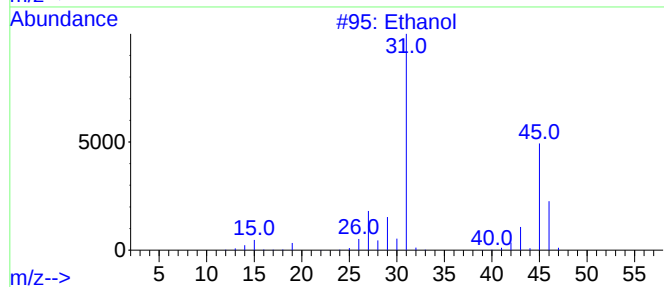
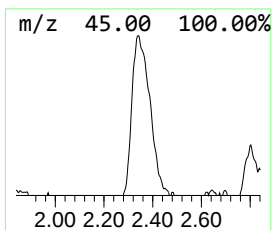
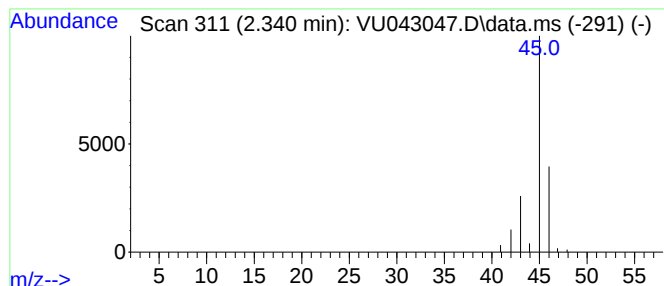
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 1 Ethanol Concentration Rank 9

| R.T.  | EstConc   | Area  | Relative to ISTD   | R.T.  |
|-------|-----------|-------|--------------------|-------|
| 2.340 | 8.21 ug/l | 62822 | Pentafluorobenzene | 5.382 |

| Hit# | of | 5 | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------|----|---------|-------------|------|
| 1    |    |   | Ethanol           | 46 | C2H6O   | 000064-17-5 | 83   |
| 2    |    |   | Dimethyl ether    | 46 | C2H6O   | 000115-10-6 | 9    |
| 3    |    |   | Methane, nitroso- | 45 | CH3NO   | 000865-40-7 | 4    |
| 4    |    |   | Formic acid       | 46 | CH2O2   | 000064-18-6 | 4    |
| 5    |    |   | Nitrogen dioxide  | 46 | NO2     | 010102-44-0 | 2    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041321\  
Data File : VU043047.D  
Acq On : 13 Apr 2021 13:32  
Operator : SY/MD  
Sample : M1952-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
31027

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
Quant Title : SW846 8260

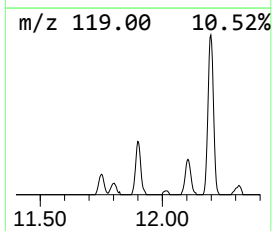
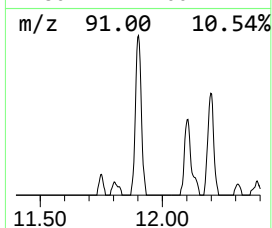
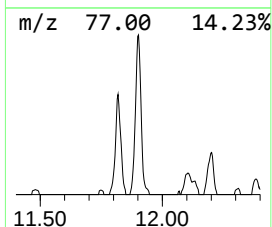
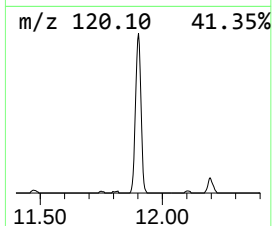
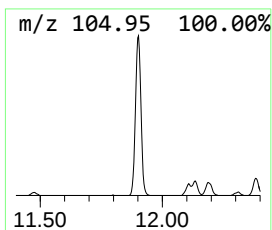
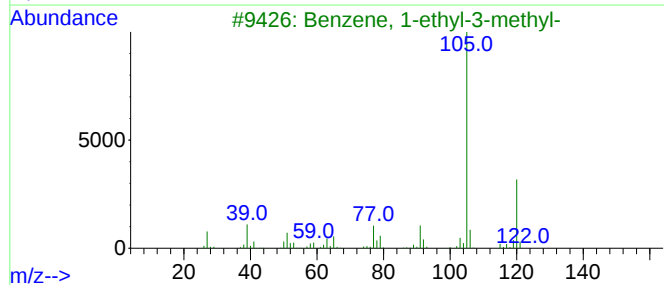
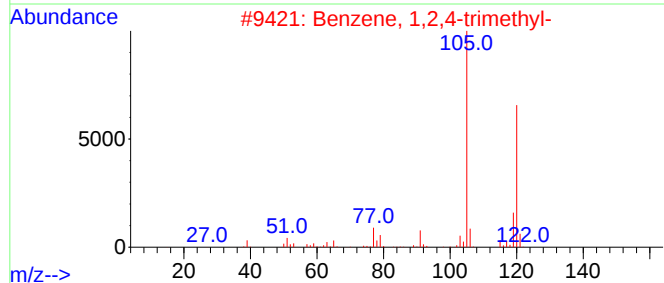
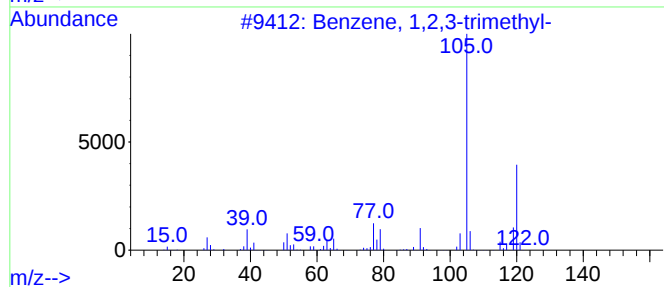
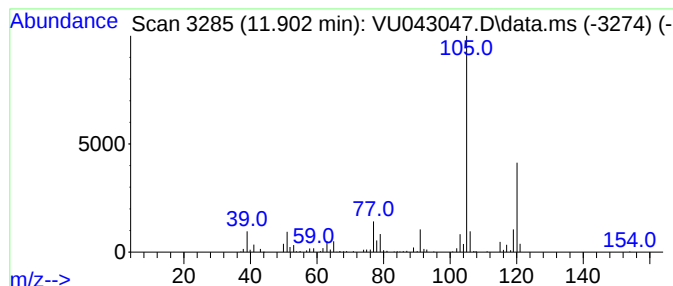
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 11.902 | 14.43 ug/l | 188131 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 97   |
| 2    |    |   | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 94   |
| 3    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |
| 4    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 5    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041321\  
Data File : VU043047.D  
Acq On : 13 Apr 2021 13:32  
Operator : SY/MD  
Sample : M1952-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampled :  
31027

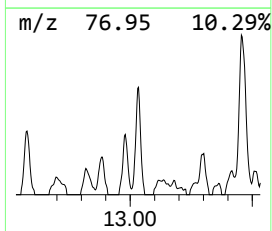
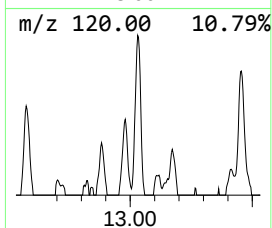
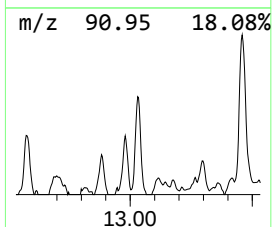
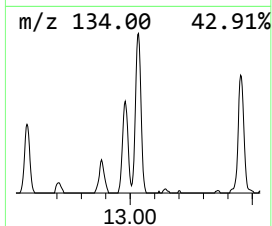
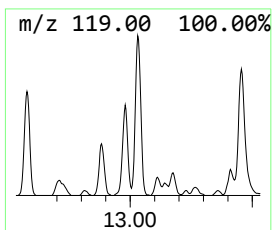
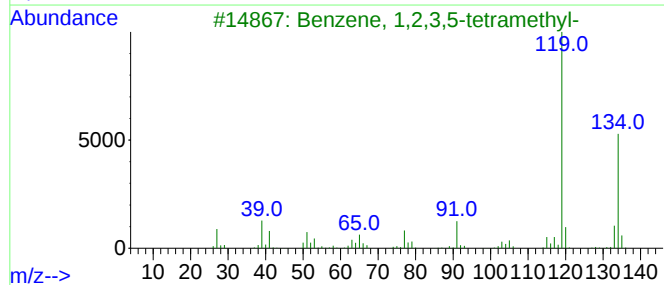
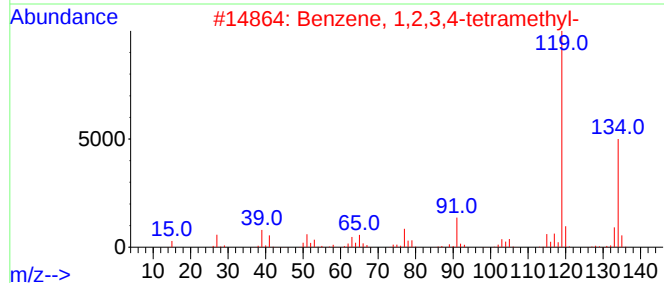
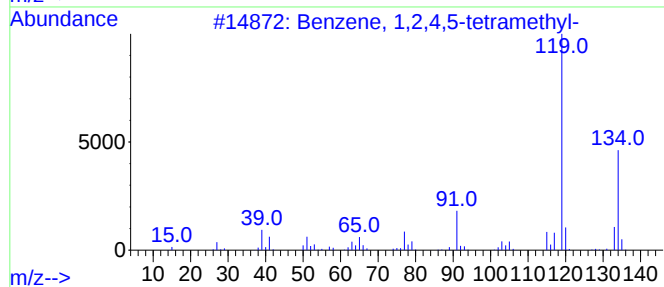
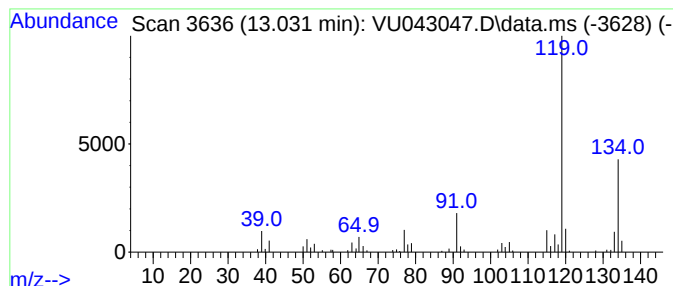
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 8

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.031 | 8.49 ug/l | 110674 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 96   |
| 2    |    |   | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 95   |
| 3    |    |   | Benzene, 1,2,3,5-tetramethyl-       | 134 | C10H14  | 000527-53-7 | 95   |
| 4    |    |   | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 94   |
| 5    |    |   | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14  | 076089-59-3 | 94   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041321\  
Data File : VU043047.D  
Acq On : 13 Apr 2021 13:32  
Operator : SY/MD  
Sample : M1952-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
31027

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
Quant Title : SW846 8260

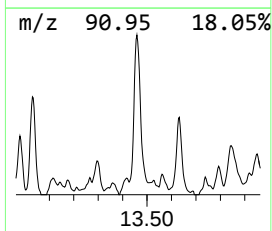
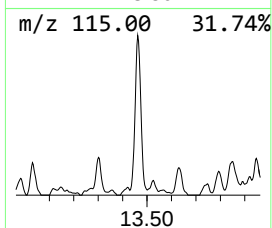
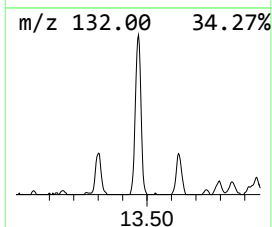
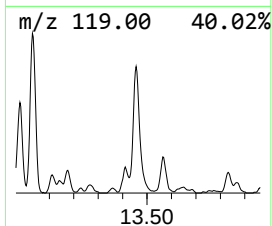
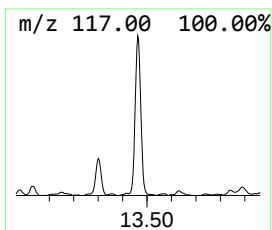
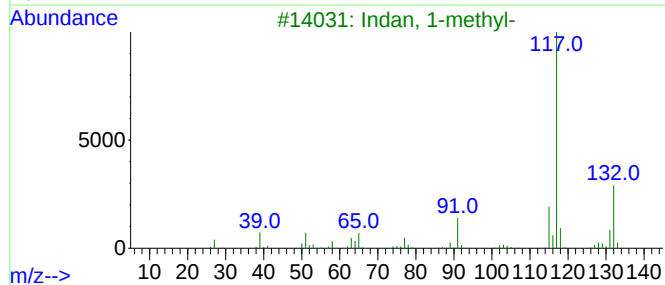
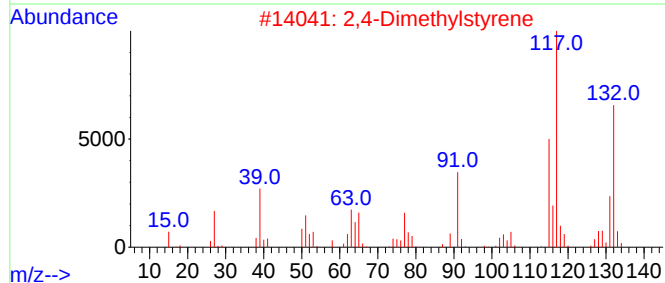
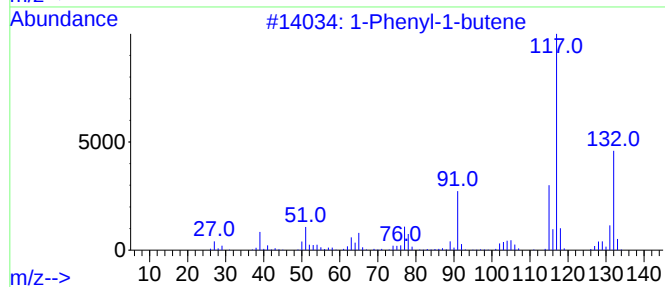
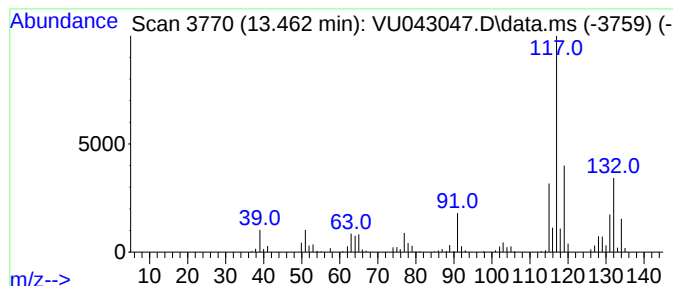
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 4 1-Phenyl-1-butene Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.462 | 19.16 ug/l | 249767 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 70   |
| 2    |    |   | 2,4-Dimethylstyrene              | 132 | C10H12  | 002234-20-0 | 70   |
| 3    |    |   | Indan, 1-methyl-                 | 132 | C10H12  | 000767-58-8 | 70   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 70   |
| 5    |    |   | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 70   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041321\  
Data File : VU043047.D  
Acq On : 13 Apr 2021 13:32  
Operator : SY/MD  
Sample : M1952-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
31027

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
Quant Title : SW846 8260

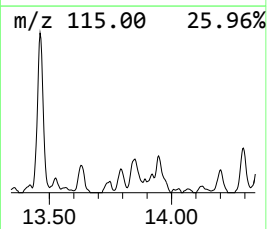
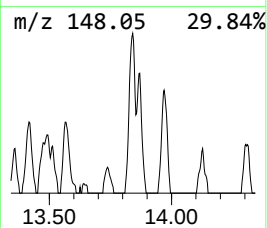
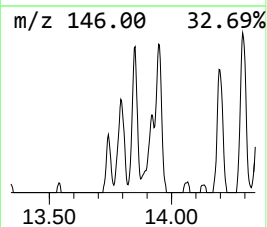
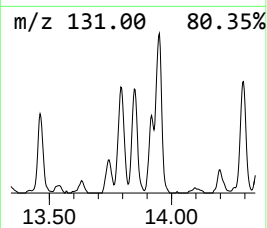
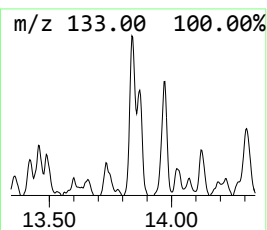
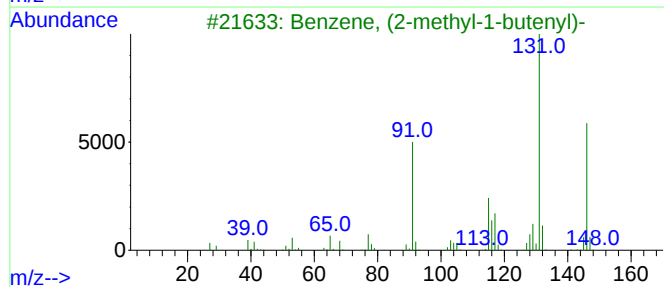
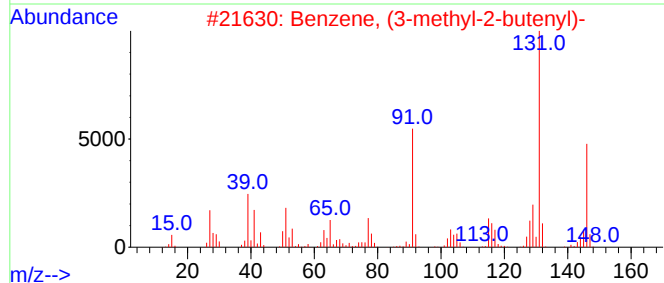
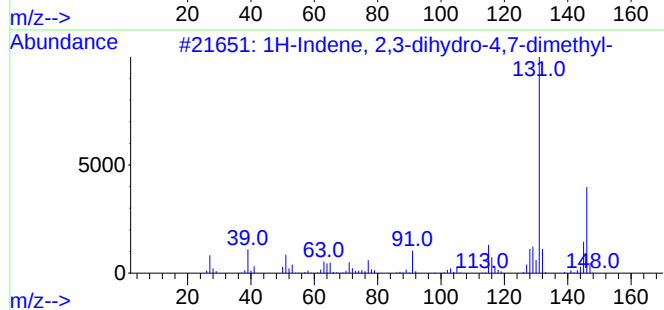
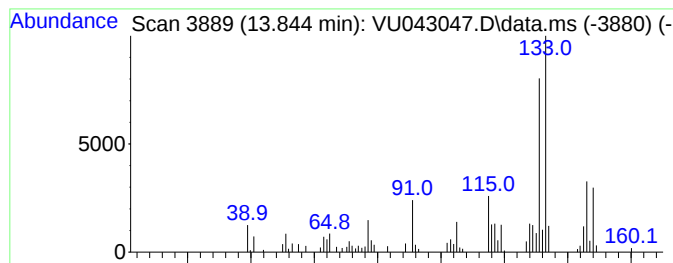
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 5 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 7

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.844 | 9.19 ug/l | 119774 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 89   |
| 2    |    |   | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 86   |
| 3    |    |   | Benzene, (2-methyl-1-butenyl)-      | 146 | C11H14  | 056253-64-6 | 86   |
| 4    |    |   | Benzene, (1-methyl-1-butenyl)-      | 146 | C11H14  | 053172-84-2 | 64   |
| 5    |    |   | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14  | 000769-57-3 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041321\  
Data File : VU043047.D  
Acq On : 13 Apr 2021 13:32  
Operator : SY/MD  
Sample : M1952-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
31027

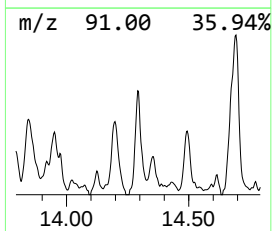
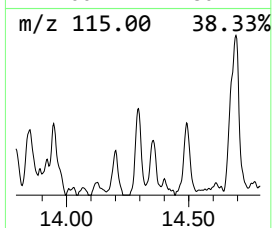
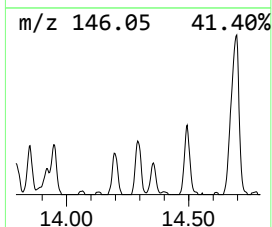
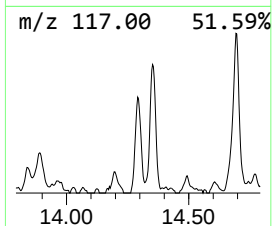
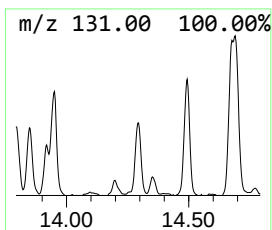
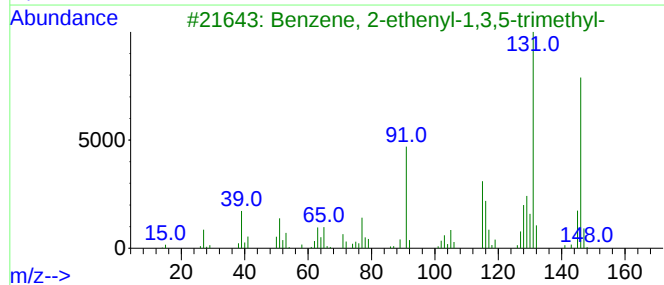
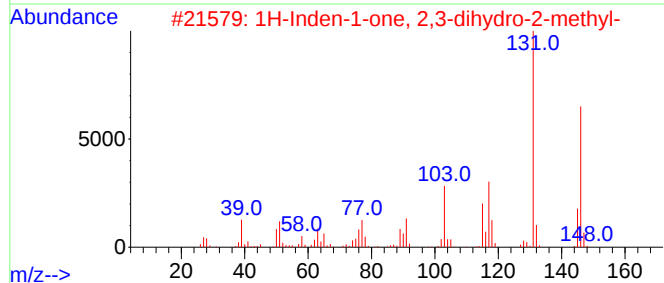
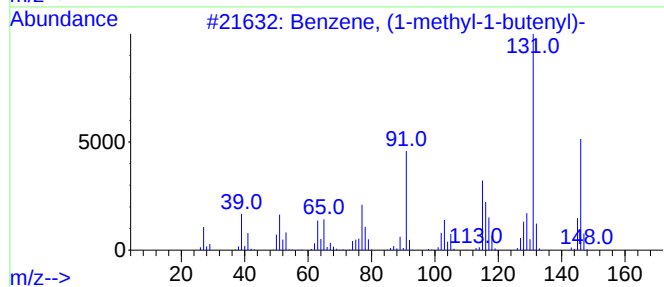
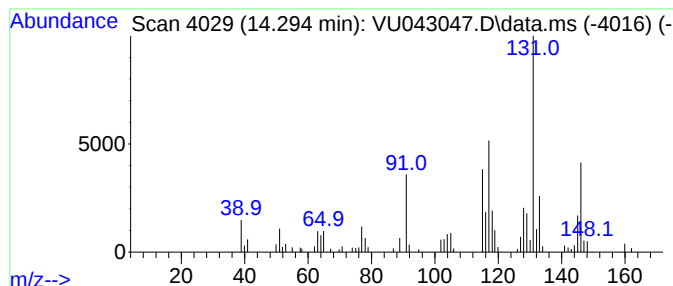
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 Benzene, (1-methyl-1-butenyl)- Concentration Rank 10

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.294 | 7.24 ug/l | 94397 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (1-methyl-1-butenyl)-      | 146 | C11H14  | 053172-84-2 | 76   |
| 2    |    |   | 1H-Inden-1-one, 2,3-dihydro-2-me... | 146 | C10H10O | 017496-14-9 | 76   |
| 3    |    |   | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14  | 000769-25-5 | 70   |
| 4    |    |   | Benzene, (2-methyl-1-butenyl)-      | 146 | C11H14  | 056253-64-6 | 64   |
| 5    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001559-81-5 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041321\  
Data File : VU043047.D  
Acq On : 13 Apr 2021 13:32  
Operator : SY/MD  
Sample : M1952-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
31027

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
Quant Title : SW846 8260

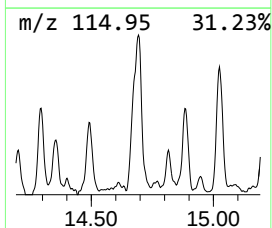
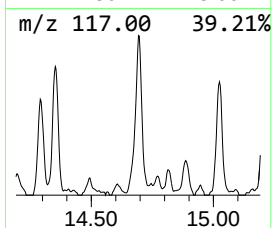
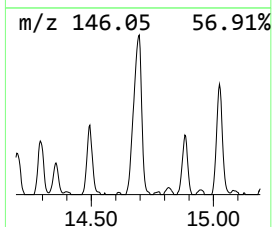
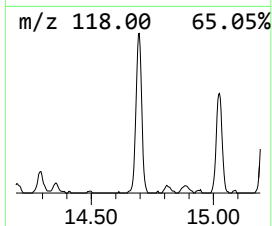
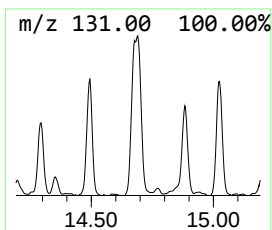
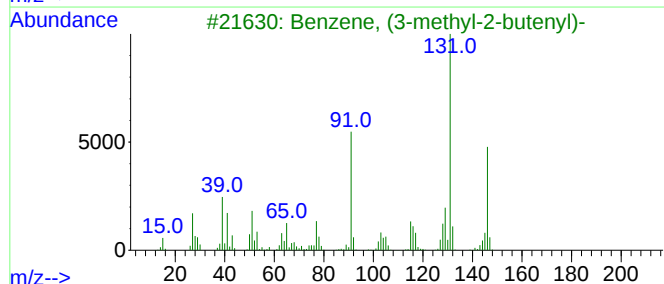
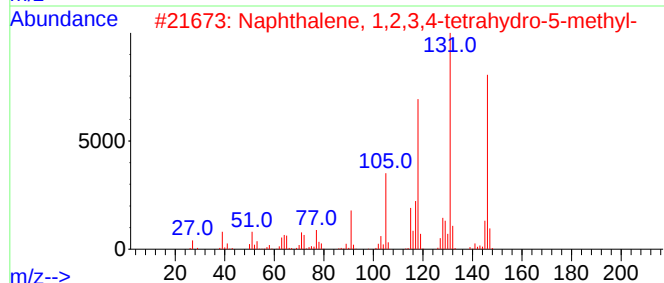
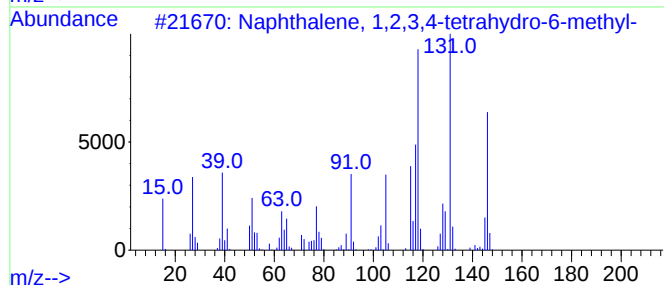
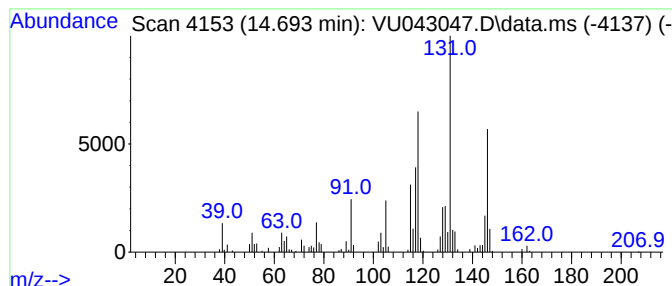
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 7 Naphthalene, 1,2,3,4-tetra... Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.693 | 20.44 ug/l | 266411 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001680-51-9 | 95   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5 | 93   |
| 3    |    |   | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 64   |
| 4    |    |   | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14  | 000769-25-5 | 62   |
| 5    |    |   | 1-Methylindan-2-one                 | 146 | C10H10O | 035587-60-1 | 62   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041321\  
Data File : VU043047.D  
Acq On : 13 Apr 2021 13:32  
Operator : SY/MD  
Sample : M1952-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampled :  
31027

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
Quant Title : SW846 8260

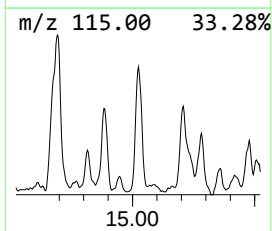
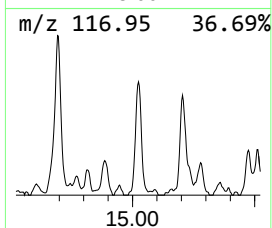
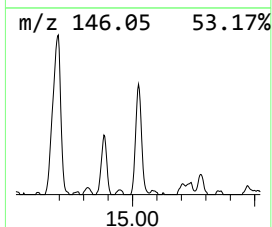
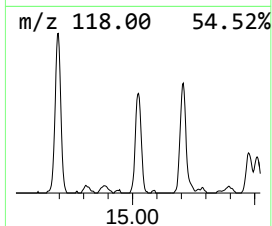
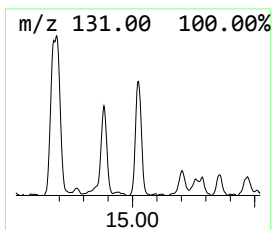
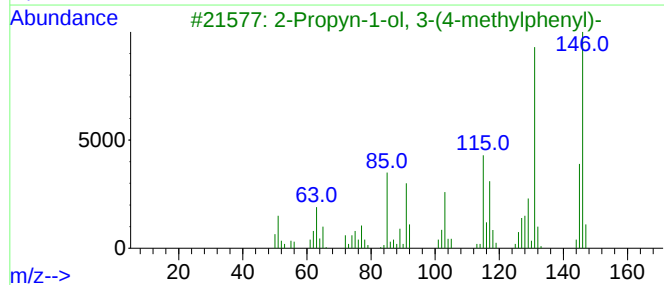
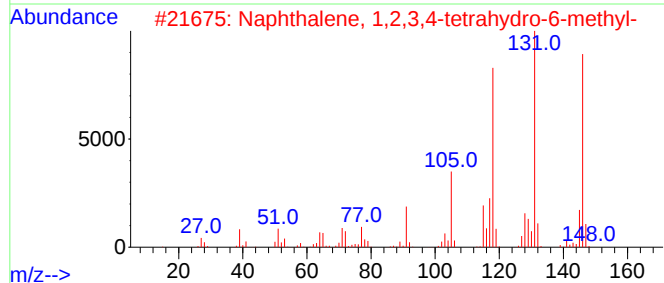
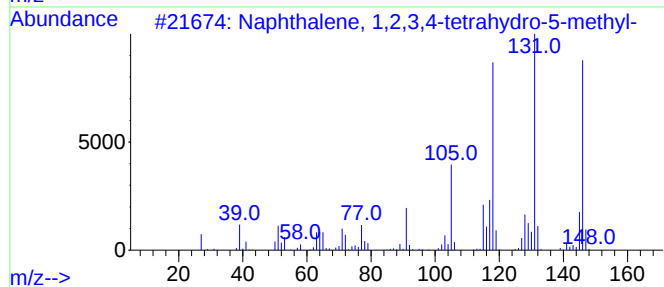
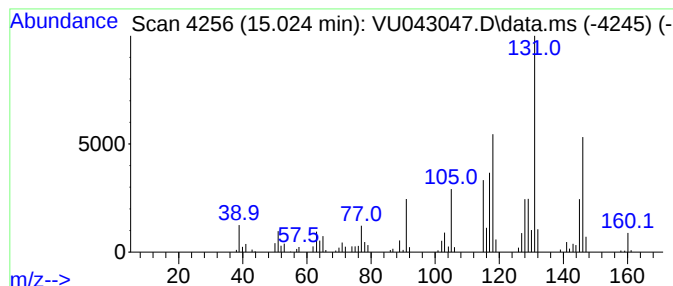
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 8 Naphthalene, 1,2,3,4-tetra... Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.024 | 11.42 ug/l | 148884 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5 | 87   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001680-51-9 | 74   |
| 3    |    |   | 2-Propyn-1-ol, 3-(4-methylphenyl)-  | 146 | C10H10O | 016017-24-6 | 68   |
| 4    |    |   | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14  | 000769-57-3 | 62   |
| 5    |    |   | Benzene, (1,1-dimethyl-2-propenyl)- | 146 | C11H14  | 018321-36-3 | 60   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041321\  
Data File : VU043047.D  
Acq On : 13 Apr 2021 13:32  
Operator : SY/MD  
Sample : M1952-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
31027

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
Quant Title : SW846 8260

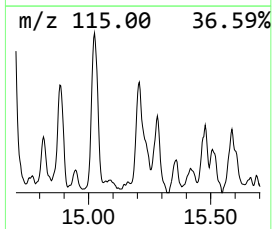
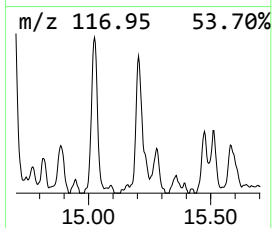
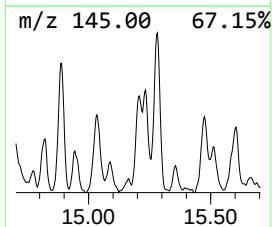
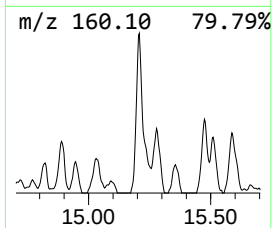
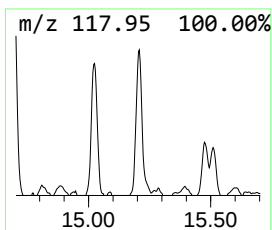
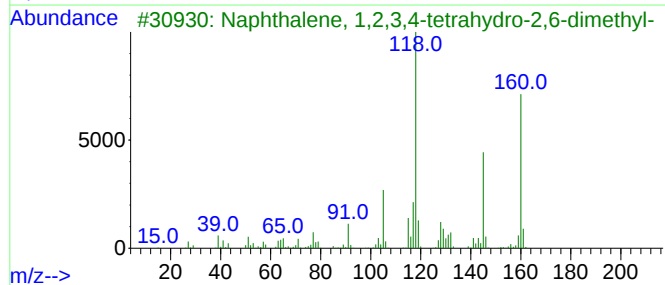
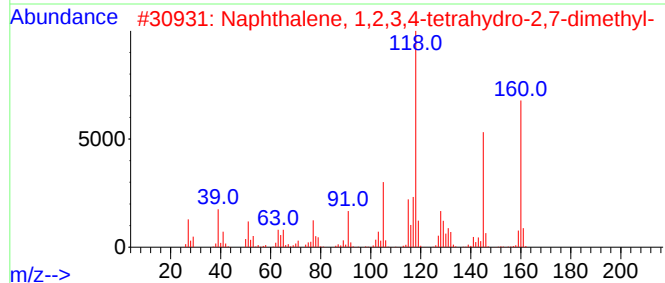
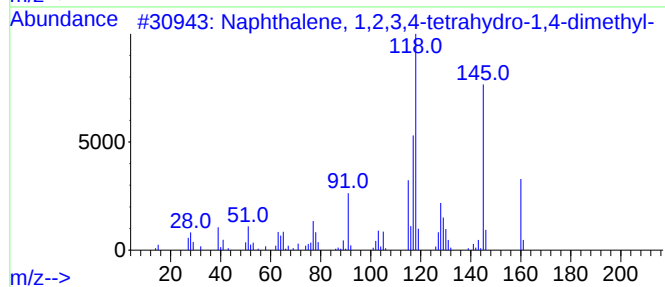
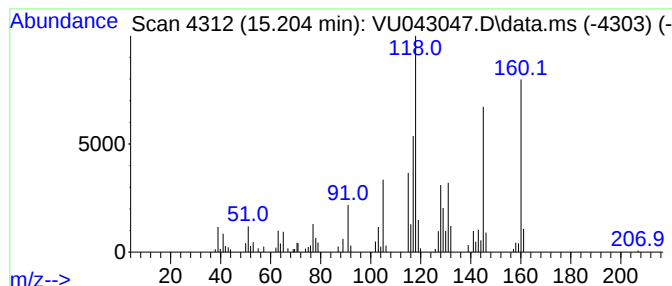
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 9 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 5

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.204 | 9.87 ug/l | 128589 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 004175-54-6 | 93   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 013065-07-1 | 81   |
| 3    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 007524-63-2 | 74   |
| 4    |    |   | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16  | 014679-13-1 | 60   |
| 5    |    |   | Benzene, 1-(1-methylethenyl)-4-(... | 160 | C12H16  | 002388-14-9 | 55   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041321\  
Data File : VU043047.D  
Acq On : 13 Apr 2021 13:32  
Operator : SY/MD  
Sample : M1952-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
31027

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
Quant Title : SW846 8260

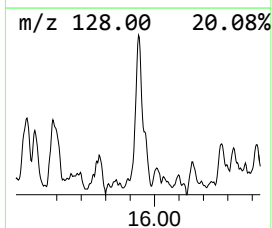
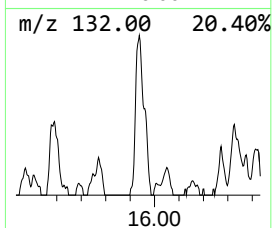
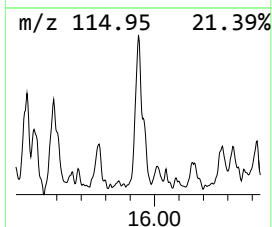
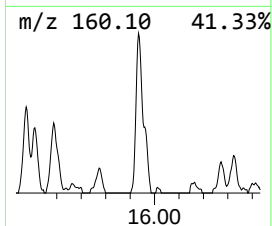
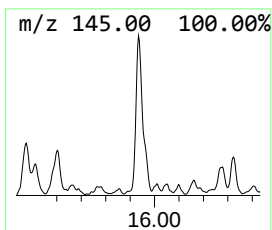
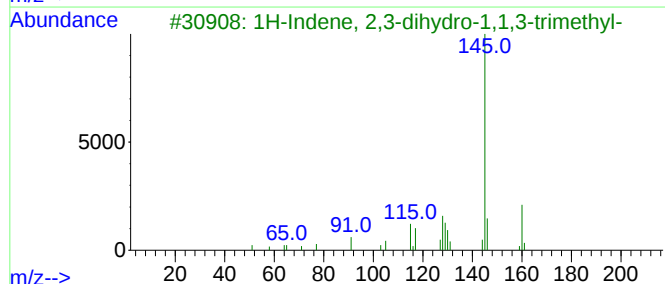
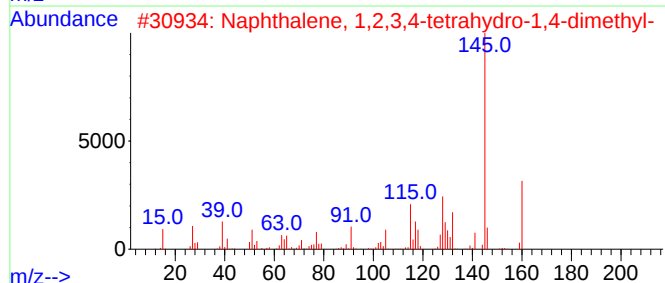
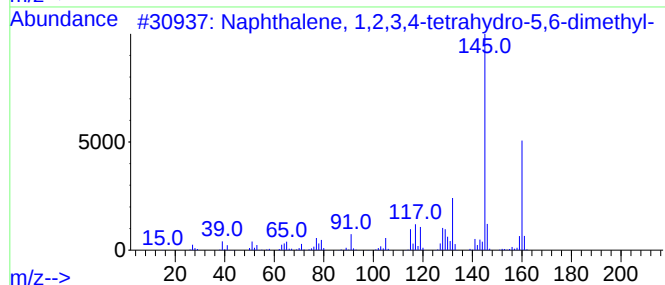
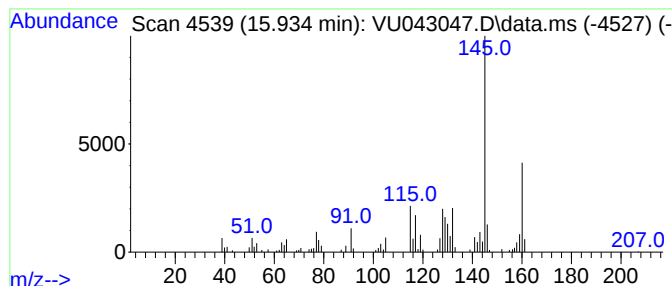
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 10 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.934 | 9.48 ug/l | 123577 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 020027-77-4 | 93   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 004175-54-6 | 91   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-1,1,3-tri... | 160 | C12H16  | 002613-76-5 | 91   |
| 4    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 021564-91-0 | 90   |
| 5    |    |   | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16  | 014679-13-1 | 89   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041321\  
Data File : VU043047.D  
Acq On : 13 Apr 2021 13:32  
Operator : SY/MD  
Sample : M1952-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
31027

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
Quant Title : SW846 8260

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Ethanol            | 2.340  | 8.2     | ug/l  | 62822    | 1                     | 5.382  | 382381 | 50.0 |
| Benzene, 1,2,3-... | 11.902 | 14.4    | ug/l  | 188131   | 4                     | 11.819 | 651731 | 50.0 |
| Benzene, 1,2,4,... | 13.031 | 8.5     | ug/l  | 110674   | 4                     | 11.819 | 651731 | 50.0 |
| 1-Phenyl-1-butene  | 13.462 | 19.2    | ug/l  | 249767   | 4                     | 11.819 | 651731 | 50.0 |
| 1H-Indene, 2,3-... | 13.844 | 9.2     | ug/l  | 119774   | 4                     | 11.819 | 651731 | 50.0 |
| Benzene, (1-met... | 14.294 | 7.2     | ug/l  | 94397    | 4                     | 11.819 | 651731 | 50.0 |
| Naphthalene, 1,... | 14.693 | 20.4    | ug/l  | 266411   | 4                     | 11.819 | 651731 | 50.0 |
| Naphthalene, 1,... | 15.024 | 11.4    | ug/l  | 148884   | 4                     | 11.819 | 651731 | 50.0 |
| Naphthalene, 1,... | 15.204 | 9.9     | ug/l  | 128589   | 4                     | 11.819 | 651731 | 50.0 |
| Naphthalene, 1,... | 15.934 | 9.5     | ug/l  | 123577   | 4                     | 11.819 | 651731 | 50.0 |