

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
 Data File : VU042063.D  
 Acq On : 15 Jan 2021 11:13  
 Operator : SY/MD  
 Sample : M1129-01DL 10X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFT60DL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.1

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\SOMUTR011321WMA.M

Title : TRACE VOA SOM01.0

Signal : TIC: VU042063.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         | 1.523       | 50            | 57          | 64           | rBV      | 21352          | 23522         | 2.13%           | 0.208%        |
| 2         | 1.601       | 72            | 81          | 92           | rVB      | 58209          | 64735         | 5.87%           | 0.571%        |
| 3         | 1.919       | 171           | 180         | 192          | rVB      | 60902          | 75248         | 6.82%           | 0.664%        |
| 4         | 2.575       | 373           | 384         | 402          | rBV      | 98233          | 160051        | 14.51%          | 1.413%        |
| 5         | 3.057       | 522           | 534         | 547          | rBV      | 9076           | 16671         | 1.51%           | 0.147%        |
| 6         | 4.655       | 1014          | 1031        | 1078         | rBV      | 72784          | 280395        | 25.42%          | 2.475%        |
| 7         | 5.080       | 1145          | 1163        | 1186         | rBV      | 102729         | 229396        | 20.80%          | 2.025%        |
| 8         | 5.739       | 1346          | 1368        | 1394         | rBV3     | 200394         | 525472        | 47.65%          | 4.638%        |
| 9         | 6.260       | 1516          | 1530        | 1551         | rBV      | 161190         | 302281        | 27.41%          | 2.668%        |
| 10        | 6.552       | 1605          | 1621        | 1649         | rBV2     | 367834         | 692625        | 62.80%          | 6.113%        |
| 11        | 6.700       | 1653          | 1667        | 1687         | rVV      | 127867         | 249793        | 22.65%          | 2.205%        |
| 12        | 7.571       | 1927          | 1938        | 1957         | rBV      | 60566          | 106817        | 9.69%           | 0.943%        |
| 13        | 7.906       | 2025          | 2042        | 2058         | rBV      | 224795         | 387668        | 35.15%          | 3.422%        |
| 14        | 8.186       | 2117          | 2129        | 2145         | rBV      | 39997          | 69130         | 6.27%           | 0.610%        |
| 15        | 8.642       | 2255          | 2271        | 2309         | rBV      | 370388         | 700212        | 63.49%          | 6.180%        |
| 16        | 9.420       | 2500          | 2513        | 2536         | rBV      | 227827         | 380740        | 34.52%          | 3.360%        |
| 17        | 10.755      | 2917          | 2928        | 2946         | rVB      | 107591         | 174058        | 15.78%          | 1.536%        |
| 18        | 11.809      | 3243          | 3256        | 3272         | rBV      | 214047         | 345576        | 31.33%          | 3.050%        |
| 19        | 11.890      | 3272          | 3281        | 3293         | rVB2     | 7682           | 11639         | 1.06%           | 0.103%        |
| 20        | 12.121      | 3348          | 3353        | 3361         | rVV3     | 10860          | 15025         | 1.36%           | 0.133%        |
| 21        | 12.189      | 3361          | 3374        | 3392         | rVB2     | 253033         | 414004        | 37.54%          | 3.654%        |
| 22        | 12.369      | 3420          | 3430        | 3443         | rBV      | 15764          | 24344         | 2.21%           | 0.215%        |
| 23        | 12.459      | 3447          | 3458        | 3462         | rBV      | 52663          | 79338         | 7.19%           | 0.700%        |
| 24        | 12.488      | 3462          | 3467        | 3479         | rVB      | 71411          | 102518        | 9.30%           | 0.905%        |
| 25        | 12.565      | 3479          | 3491        | 3501         | rBV      | 178056         | 273050        | 24.76%          | 2.410%        |
| 26        | 12.693      | 3514          | 3531        | 3548         | rBV7     | 27335          | 70770         | 6.42%           | 0.625%        |
| 27        | 12.800      | 3548          | 3564        | 3572         | rVB6     | 5792           | 11392         | 1.03%           | 0.101%        |
| 28        | 12.870      | 3573          | 3586        | 3598         | rBV      | 108692         | 168586        | 15.29%          | 1.488%        |
| 29        | 12.964      | 3598          | 3615        | 3623         | rBV      | 328977         | 499813        | 45.32%          | 4.411%        |
| 30        | 13.018      | 3623          | 3632        | 3646         | rVB      | 590530         | 907880        | 82.32%          | 8.013%        |
| 31        | 13.095      | 3647          | 3656        | 3660         | rBV2     | 18559          | 26835         | 2.43%           | 0.237%        |
| 32        | 13.124      | 3660          | 3665        | 3670         | rVV3     | 25469          | 35245         | 3.20%           | 0.311%        |
| 33        | 13.156      | 3671          | 3675        | 3683         | rVB      | 26213          | 32420         | 2.94%           | 0.286%        |
| 34        | 13.282      | 3699          | 3714        | 3725         | rBV3     | 136655         | 221451        | 20.08%          | 1.955%        |
| 35        | 13.340      | 3725          | 3732        | 3740         | rBV3     | 17021          | 23620         | 2.14%           | 0.208%        |
| 36        | 13.439      | 3740          | 3763        | 3779         | rBV4     | 524736         | 1102844       | 100.00%         | 9.734%        |

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Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFT60DL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.1

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\SOMUTR011321WMA.M  
 Title : TRACE VOA SOM01.0

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 13.549 | 3790 | 3797 | 3811 | rBV2 | 48392  | 83200  | 7.54%  | 0.734% |
| 38 | 13.613 | 3811 | 3817 | 3828 | rVB5 | 25576  | 39646  | 3.59%  | 0.350% |
| 39 | 13.716 | 3842 | 3849 | 3861 | rBV  | 20329  | 35430  | 3.21%  | 0.313% |
| 40 | 13.822 | 3872 | 3882 | 3887 | rBV2 | 106169 | 168352 | 15.27% | 1.486% |
| 41 | 13.954 | 3910 | 3923 | 3931 | rBV2 | 74497  | 140415 | 12.73% | 1.239% |
| 42 | 14.037 | 3941 | 3949 | 3950 | rBV2 | 25818  | 28605  | 2.59%  | 0.252% |
| 43 | 14.076 | 3951 | 3961 | 3981 | rVB  | 583131 | 979875 | 88.85% | 8.649% |
| 44 | 14.169 | 3981 | 3990 | 4007 | rVB4 | 48359  | 113258 | 10.27% | 1.000% |
| 45 | 14.285 | 4010 | 4026 | 4036 | rBV4 | 23183  | 56151  | 5.09%  | 0.496% |
| 46 | 14.436 | 4064 | 4073 | 4081 | rBV  | 266687 | 370228 | 33.57% | 3.268% |
| 47 | 14.796 | 4176 | 4185 | 4192 | rBV  | 41785  | 63831  | 5.79%  | 0.563% |
| 48 | 14.928 | 4214 | 4226 | 4230 | rBV3 | 22724  | 41109  | 3.73%  | 0.363% |
| 49 | 15.008 | 4245 | 4251 | 4257 | rBV2 | 13759  | 18166  | 1.65%  | 0.160% |
| 50 | 15.053 | 4258 | 4265 | 4281 | rVB5 | 30021  | 50454  | 4.57%  | 0.445% |
| 51 | 15.134 | 4283 | 4290 | 4299 | rVB3 | 20478  | 31270  | 2.84%  | 0.276% |
| 52 | 15.205 | 4302 | 4312 | 4323 | rBV3 | 58893  | 108138 | 9.81%  | 0.954% |
| 53 | 15.388 | 4358 | 4369 | 4391 | rBV2 | 102538 | 184077 | 16.69% | 1.625% |
| 54 | 15.497 | 4396 | 4403 | 4411 | rVB7 | 7126   | 12548  | 1.14%  | 0.111% |

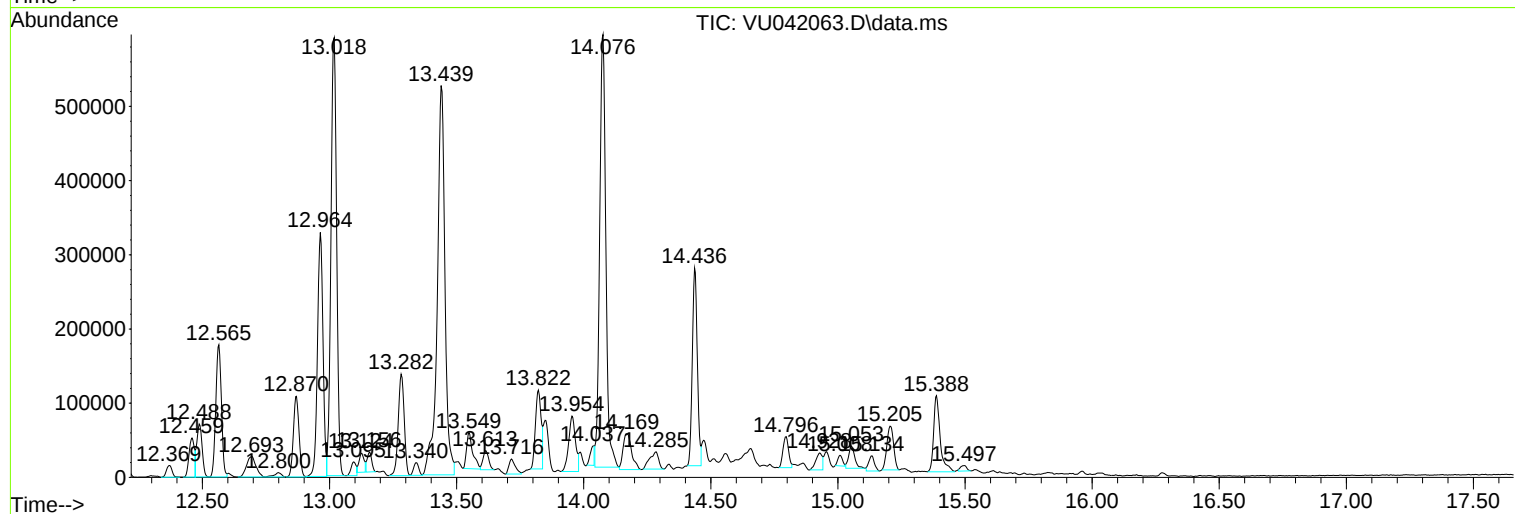
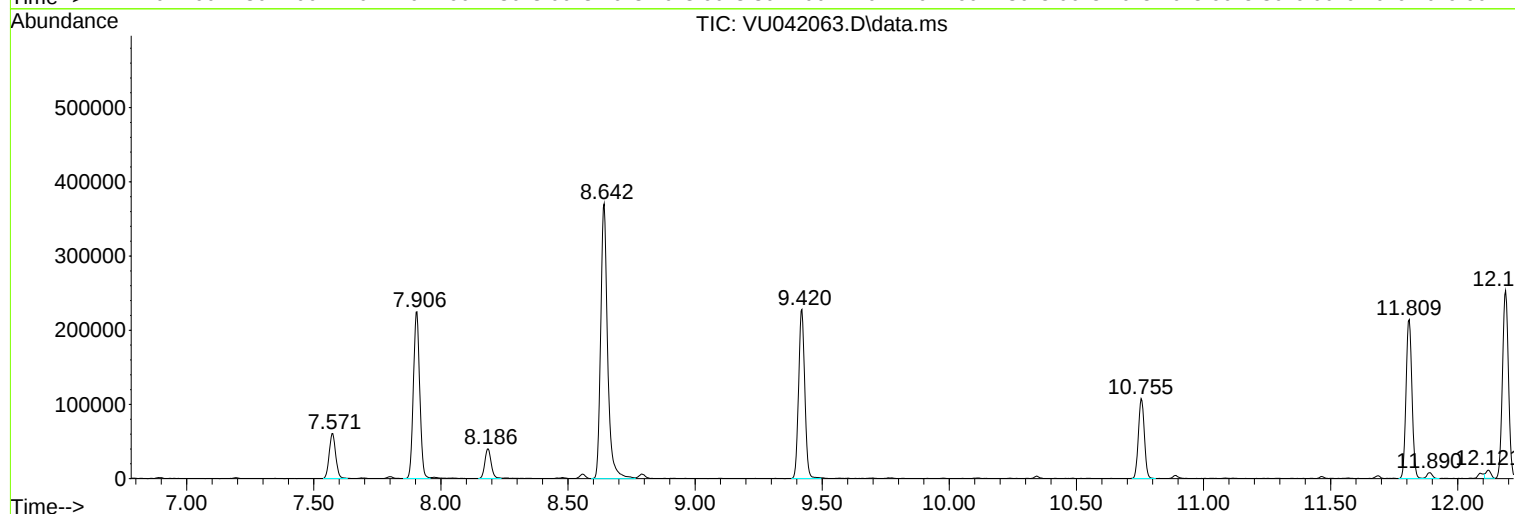
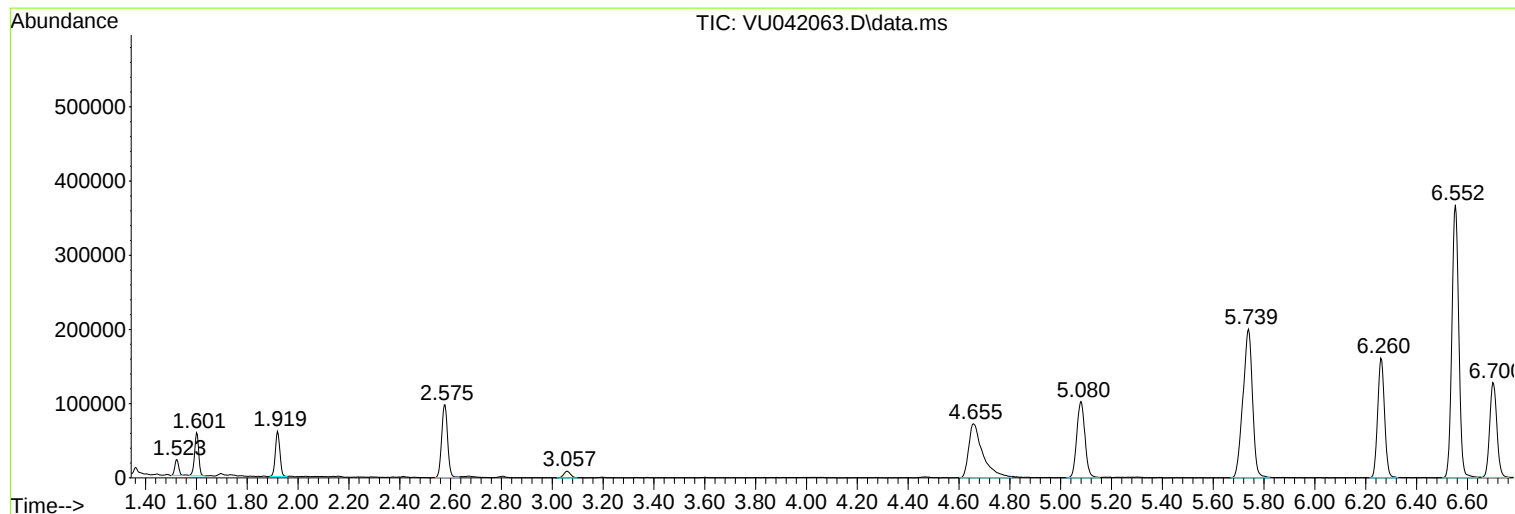
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Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

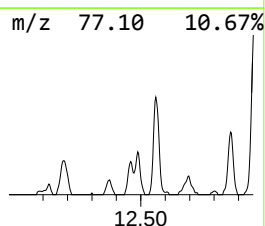
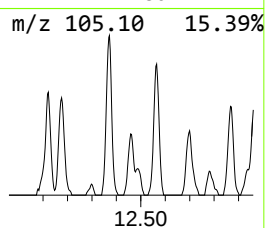
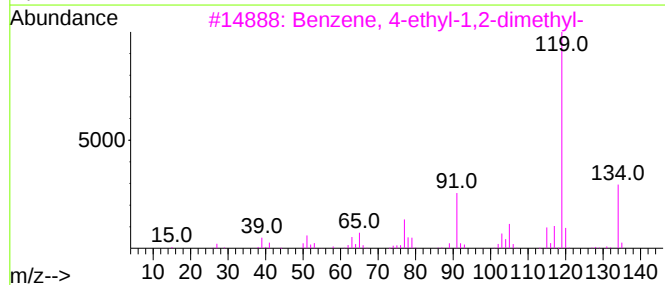
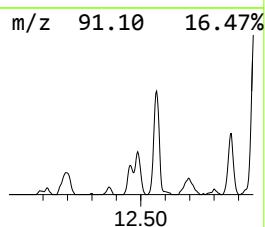
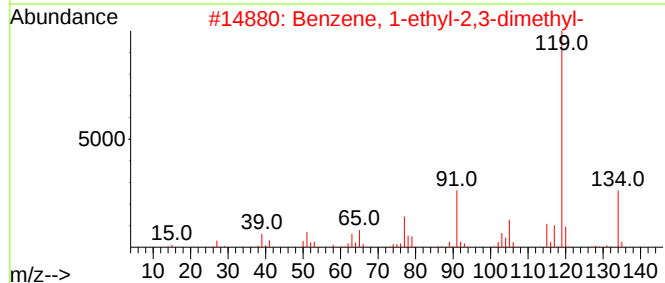
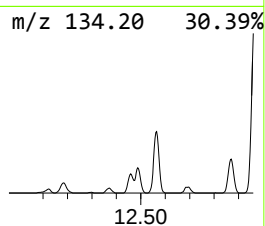
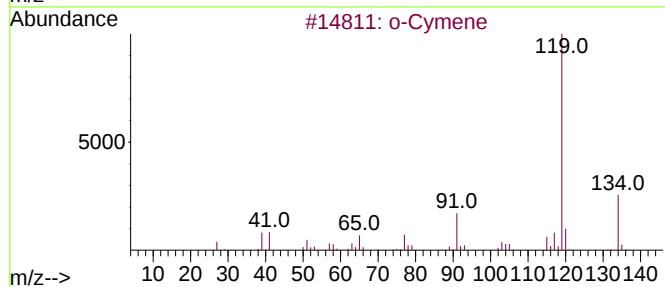
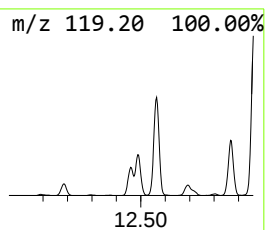
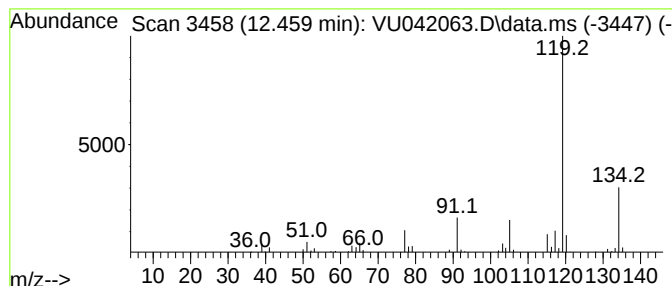
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 2 o-Cymene Concentration Rank 17

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.459 | 1.15 ug/L | 79338 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |
| 2    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 95   |
| 3    |    |   | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 94   |
| 4    |    |   | p-Cymene                       | 134 | C10H14  | 000099-87-6 | 94   |
| 5    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 93   |



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Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.M  
Quant Title : TRACE VOA SOM01.0

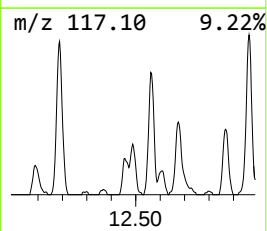
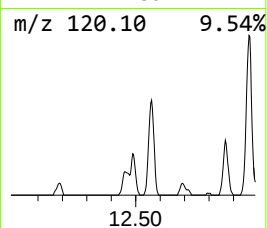
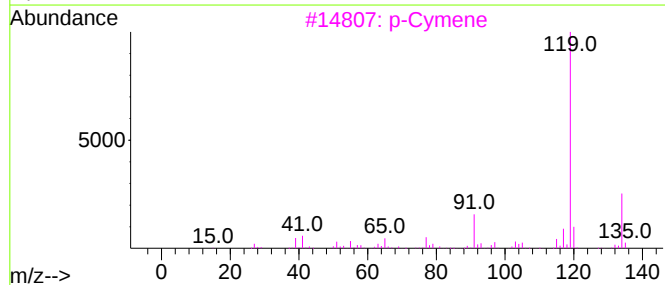
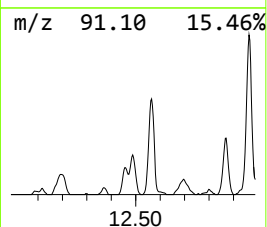
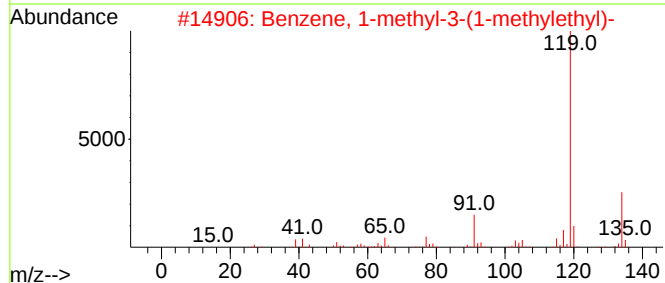
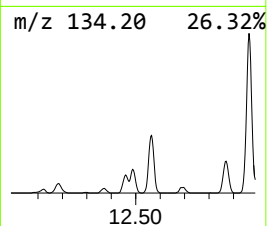
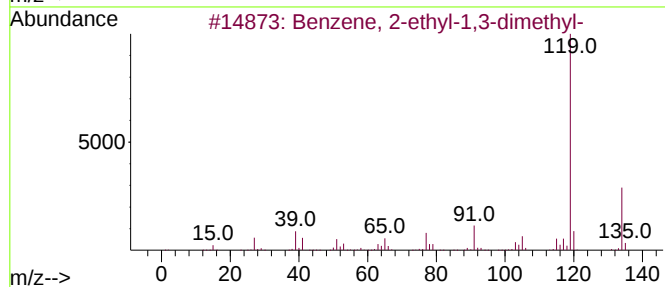
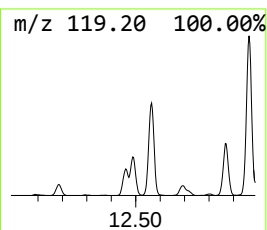
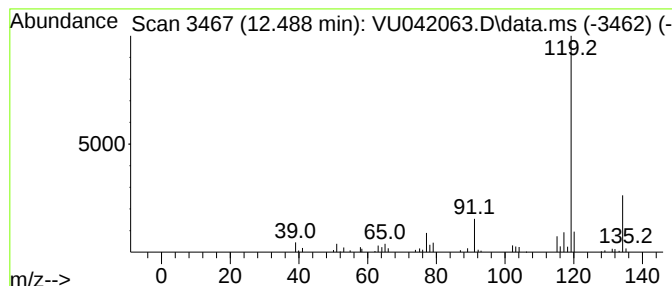
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 15

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.488 | 1.48 ug/L | 102518 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethyl-1,3-dimethyl-       | 134 | C10H14  | 002870-04-4 | 91   |
| 2    |    |   | Benzene, 1-methyl-3-(1-methylethyl)- | 134 | C10H14  | 000535-77-3 | 91   |
| 3    |    |   | p-Cymene                             | 134 | C10H14  | 000099-87-6 | 91   |
| 4    |    |   | Benzene, 2-ethyl-1,4-dimethyl-       | 134 | C10H14  | 001758-88-9 | 91   |
| 5    |    |   | Benzene, 1-ethyl-2,3-dimethyl-       | 134 | C10H14  | 000933-98-2 | 91   |



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Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

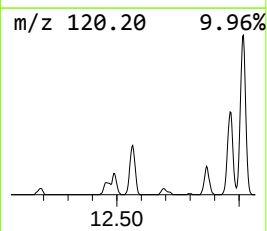
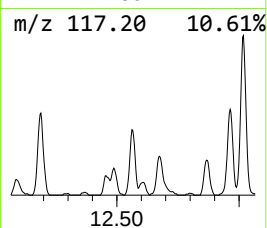
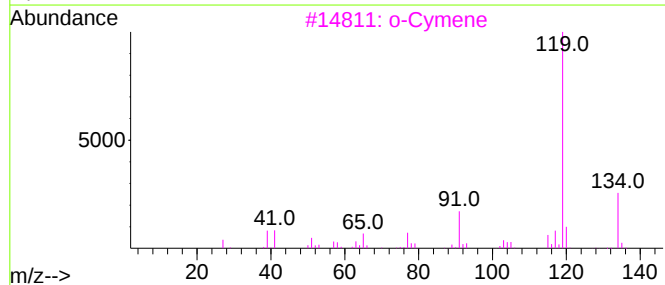
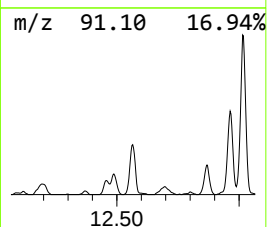
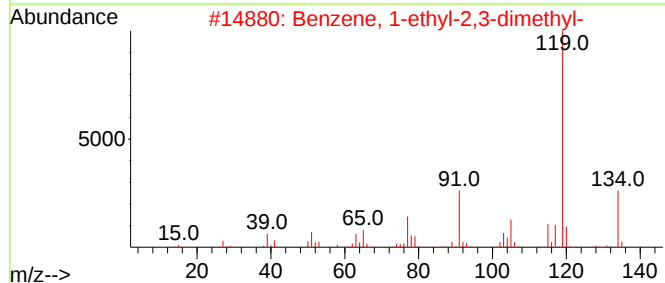
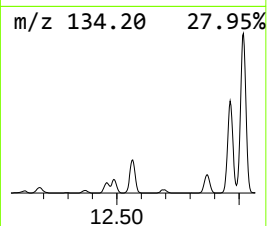
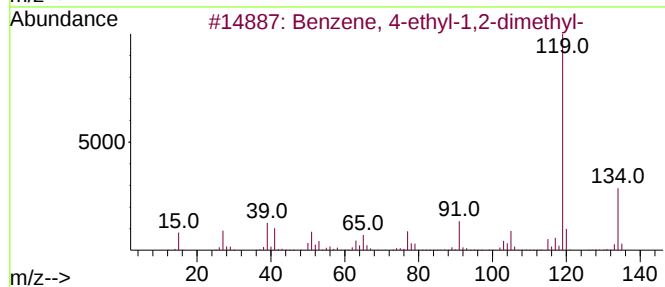
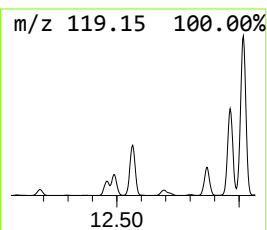
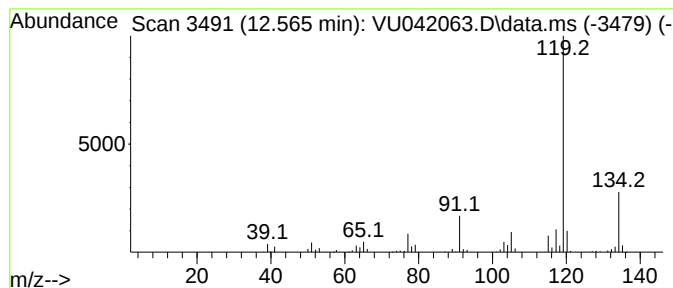
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.M  
Quant Title : TRACE VOA SOM01.0

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

\*\*\*\*\*  
Peak Number 4 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.565 | 3.95 ug/L | 273050 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 95   |
| 2    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 95   |
| 3    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |
| 4    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 95   |
| 5    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 94   |



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BFT60DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.M  
Quant Title : TRACE VOA SOM01.0

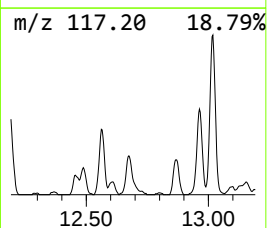
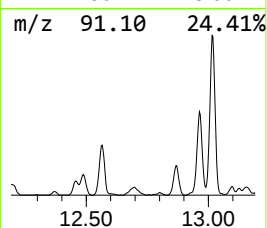
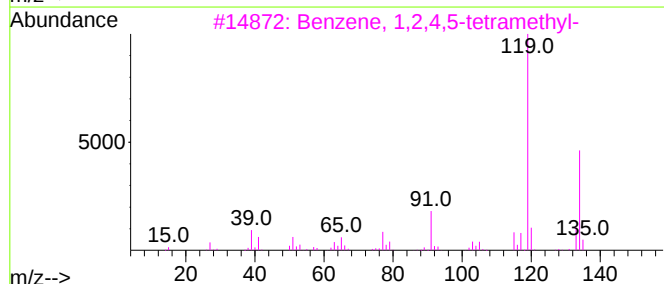
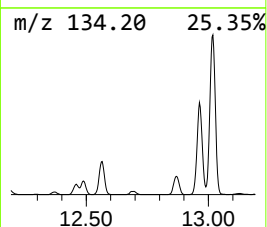
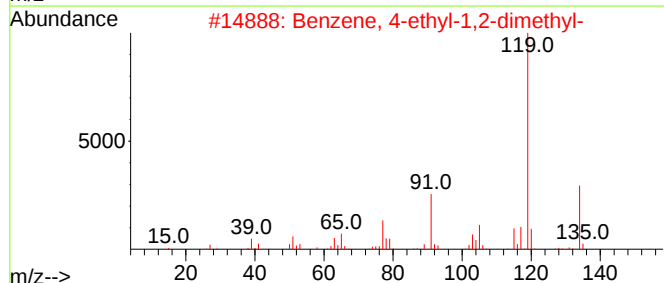
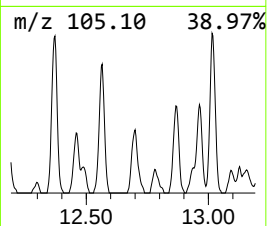
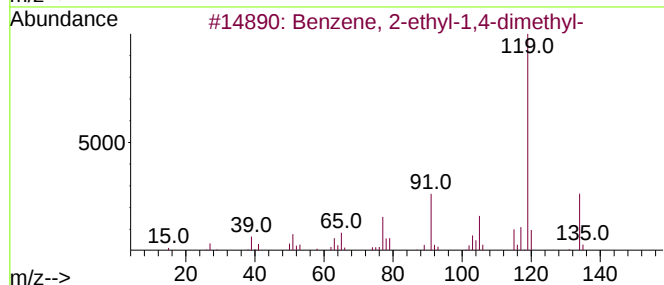
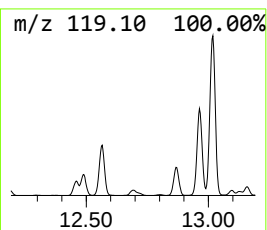
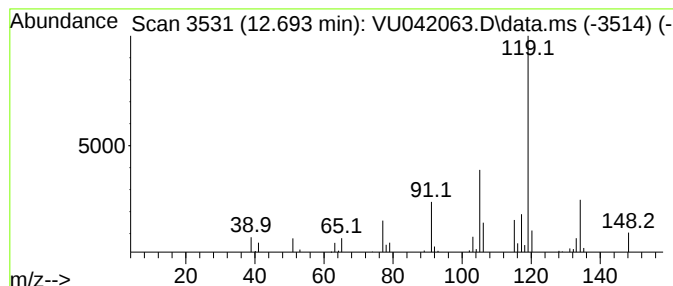
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 18

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.693 | 1.02 ug/L | 70770 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 81   |
| 2    |    |   | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 81   |
| 3    |    |   | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 81   |
| 4    |    |   | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 81   |
| 5    |    |   | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 81   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

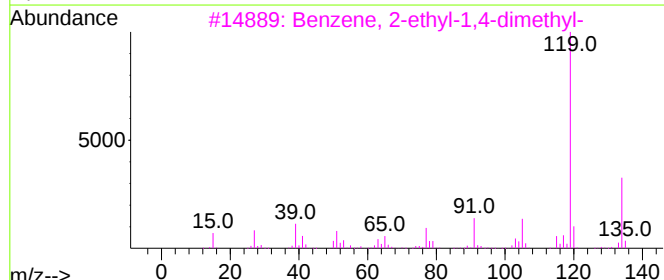
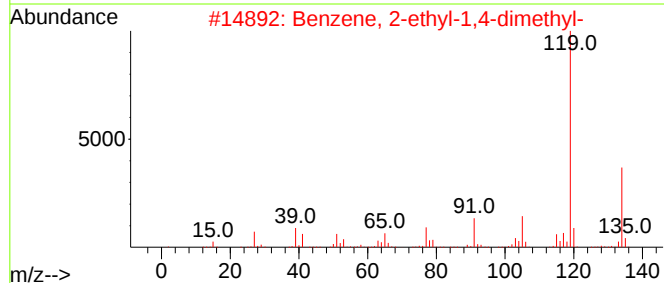
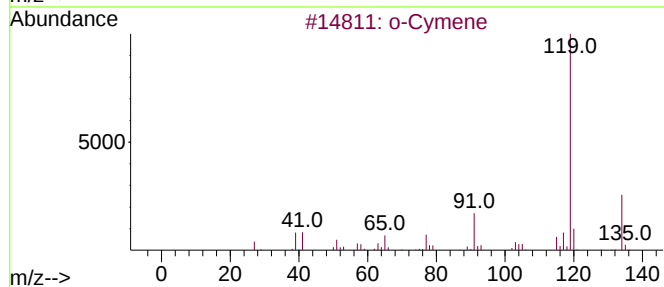
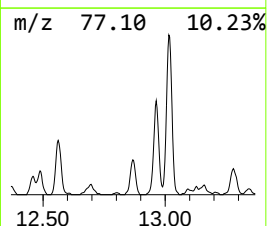
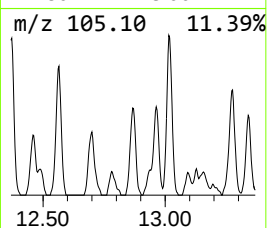
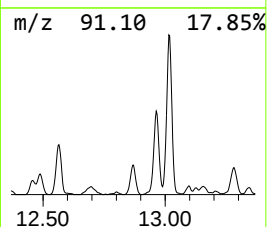
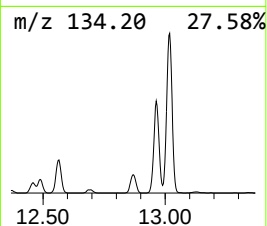
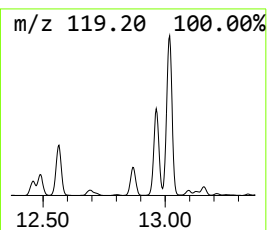
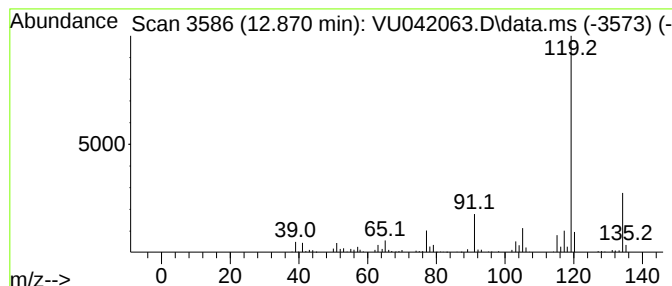
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 6 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 9

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.870 | 2.44 ug/L | 168586 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |
| 2    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 94   |
| 3    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 94   |
| 4    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 94   |
| 5    |    |   | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 93   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

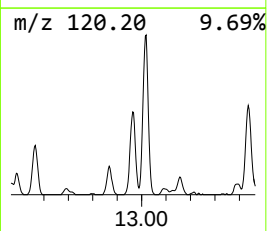
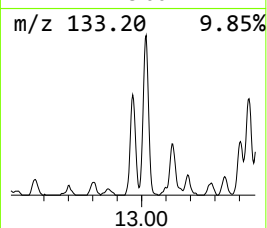
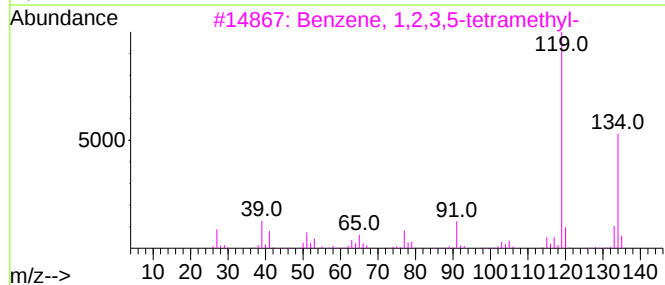
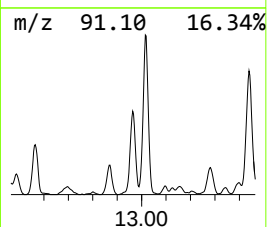
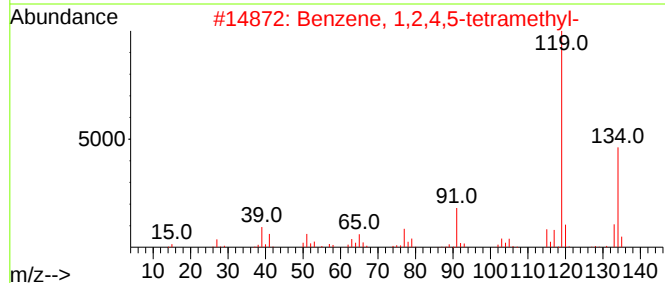
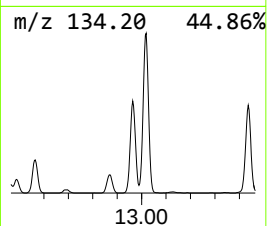
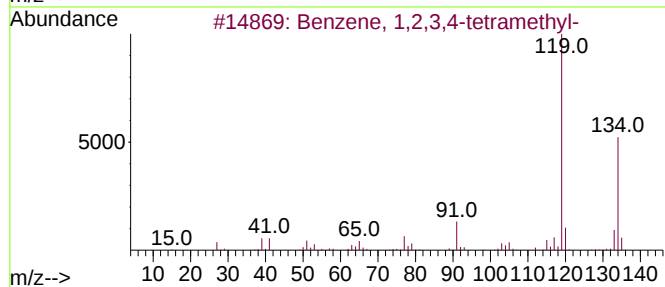
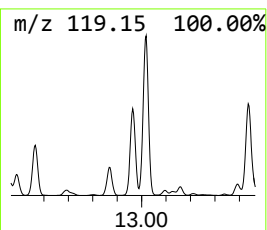
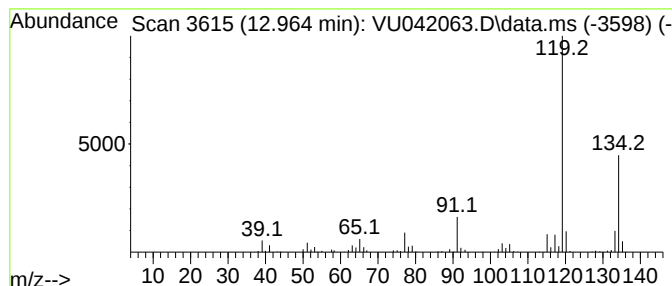
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 7 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.964 | 7.23 ug/L | 499813 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14  | 000488-23-3 | 97   |
| 2    |    |   | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14  | 000095-93-2 | 96   |
| 3    |    |   | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14  | 000527-53-7 | 95   |
| 4    |    |   | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14  | 000527-53-7 | 95   |
| 5    |    |   | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14  | 000488-23-3 | 95   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

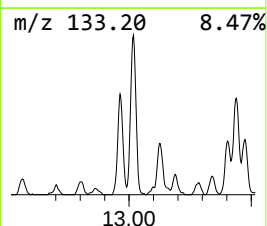
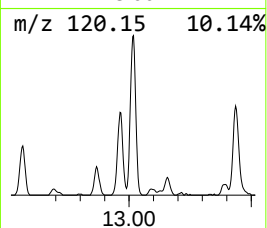
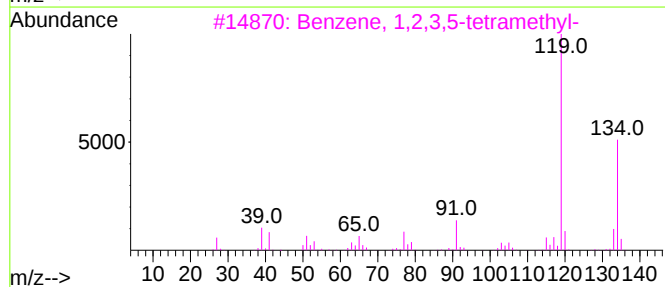
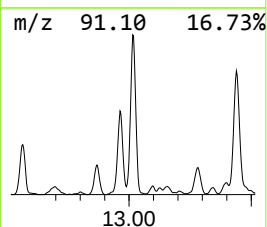
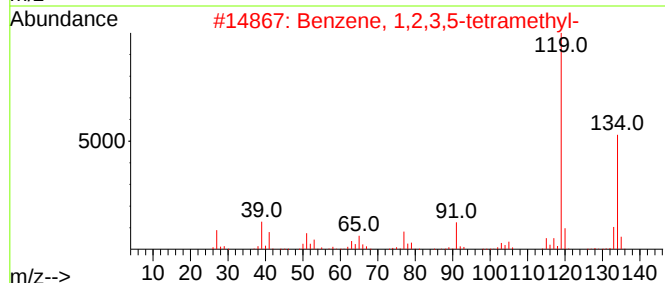
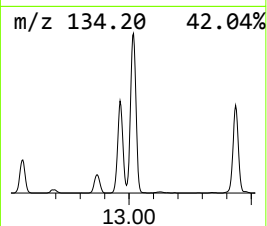
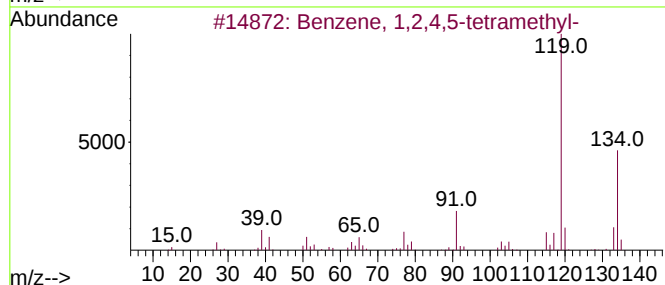
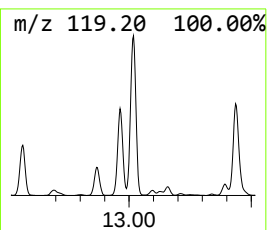
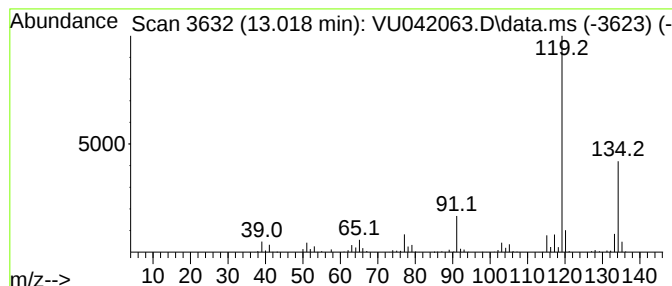
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Quant Title : TRACE VOA SOM01.0

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

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

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.018 | 13.14 ug/L | 907880 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14  | 000095-93-2 | 97   |
| 2    |    |   | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14  | 000527-53-7 | 95   |
| 3    |    |   | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14  | 000527-53-7 | 95   |
| 4    |    |   | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14  | 000488-23-3 | 95   |
| 5    |    |   | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14  | 000095-93-2 | 95   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.M  
Quant Title : TRACE VOA SOM01.0

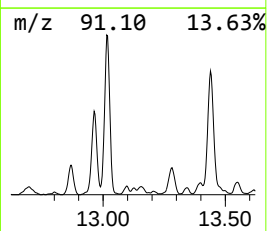
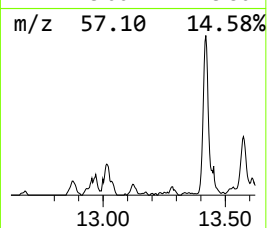
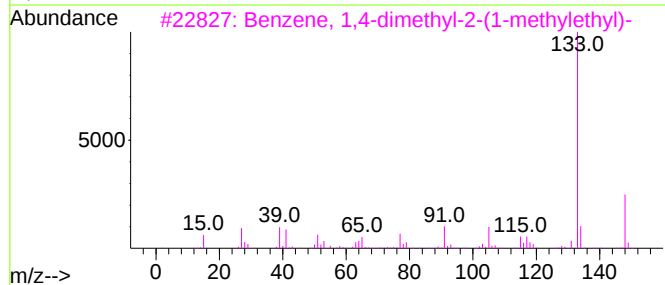
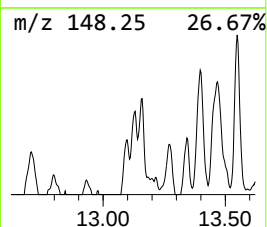
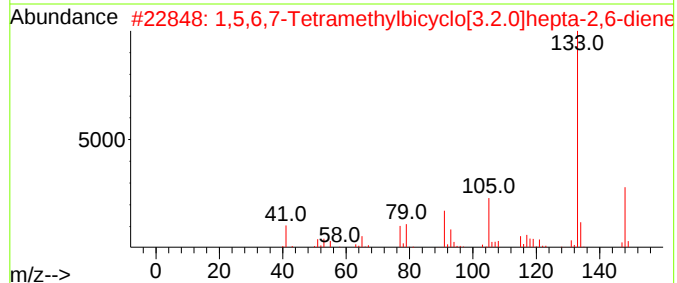
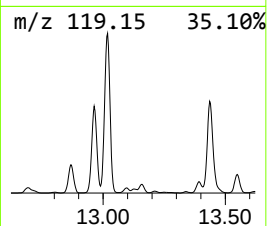
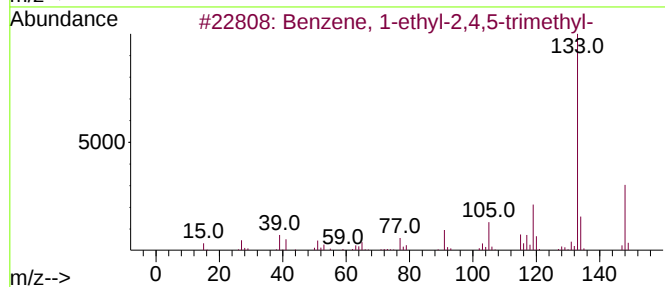
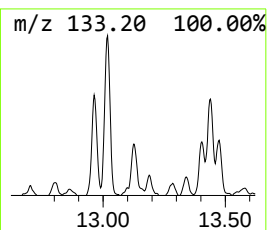
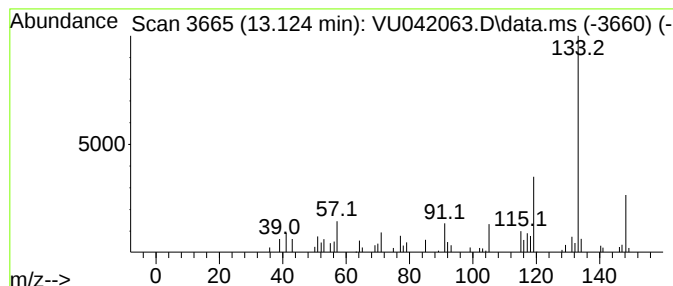
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzene, 1-ethyl-2,4,5-trimethyl- Concentration Rank 25

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.124 | 0.51 ug/L | 35245 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID                                     | MW  | MolForm | CAS#         | Qual |
|------|----|---|--------------------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Benzene, 1-ethyl-2,4,5-trimethyl-                | 148 | C11H16  | 017851-27-3  | 86   |
| 2    |    |   | 1,5,6,7-Tetramethylbicyclo[3.2.0]hepta-2,6-diene | 148 | C11H16  | 134329-46-7  | 64   |
| 3    |    |   | Benzene, 1,4-dimethyl-2-(1-methylethyl)-         | 148 | C11H16  | 004132-72-3  | 64   |
| 4    |    |   | Benzene, pentamethyl-                            | 148 | C11H16  | 000700-12-9  | 64   |
| 5    |    |   | 3,4-Dimethylcumene                               | 148 | C11H16  | 1000370-34-1 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

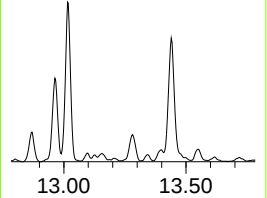
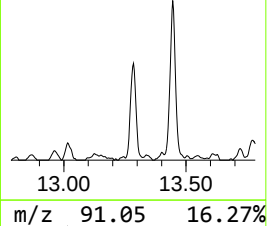
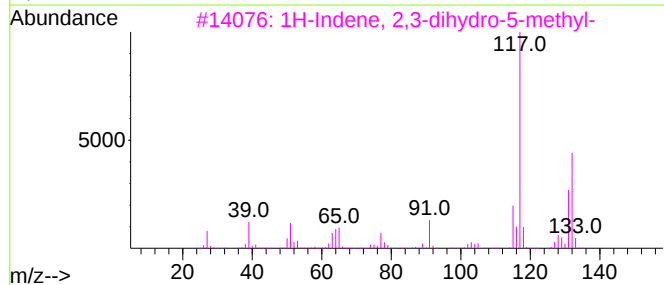
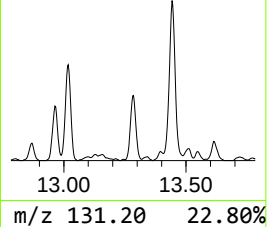
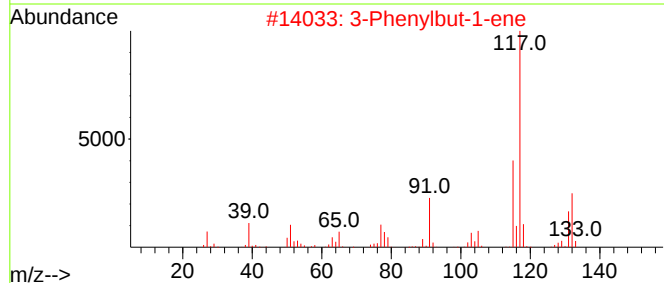
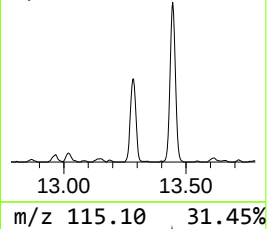
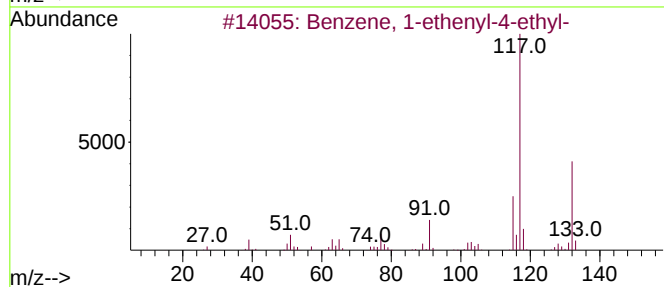
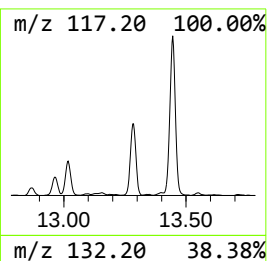
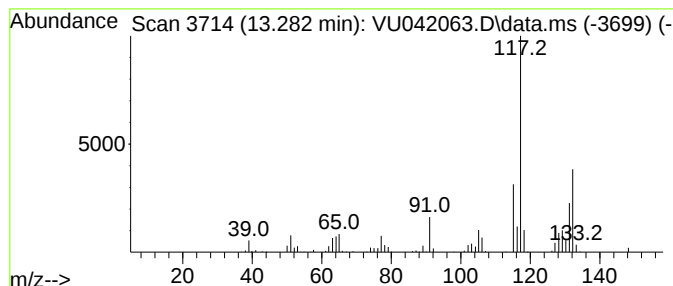
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 10 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 7

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.282 | 3.20 ug/L | 221451 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethenyl-4-ethyl-         | 132 | C10H12  | 003454-07-7 | 90   |
| 2    |    |   | 3-Phenylbut-1-ene                   | 132 | C10H12  | 000934-10-1 | 90   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-5-methyl-    | 132 | C10H12  | 000874-35-1 | 87   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-4-methyl-    | 132 | C10H12  | 000824-22-6 | 87   |
| 5    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000767-99-7 | 83   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

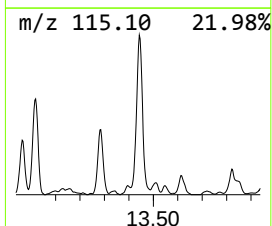
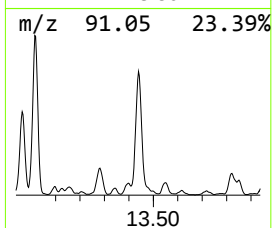
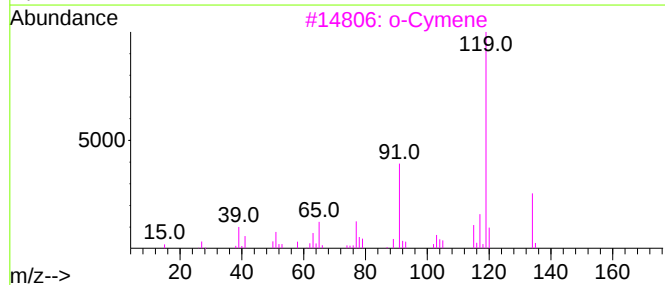
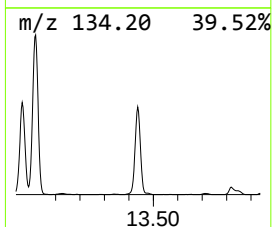
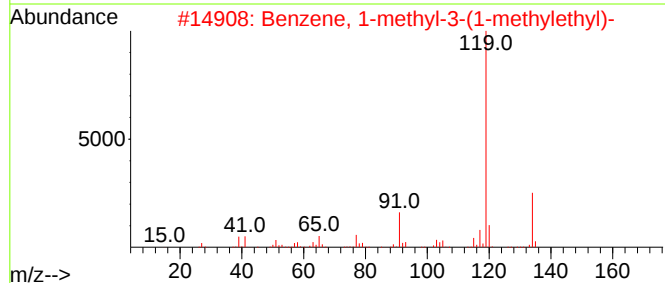
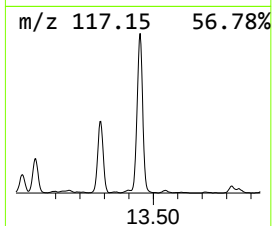
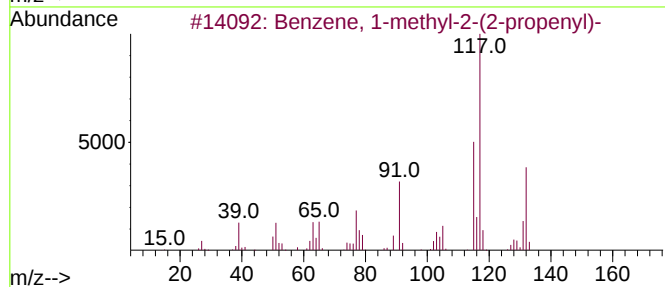
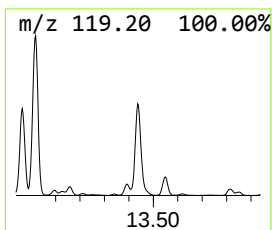
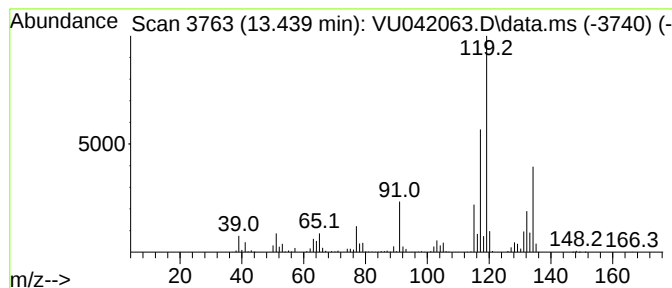
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Quant Title : TRACE VOA SOM01.0

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

\*\*\*\*\*  
Peak Number 11 Benzene, 1-methyl-2-(2-prop... Concentration Rank 1

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 13.439 | 15.96 ug/L | 1102840 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-2-(2-propenyl)-    | 132 | C10H12  | 001587-04-8 | 70   |
| 2    |    |   | Benzene, 1-methyl-3-(1-methylethyl)- | 134 | C10H14  | 000535-77-3 | 64   |
| 3    |    |   | o-Cymene                             | 134 | C10H14  | 000527-84-4 | 64   |
| 4    |    |   | o-Cymene                             | 134 | C10H14  | 000527-84-4 | 64   |
| 5    |    |   | Benzene, 1,2,4,5-tetramethyl-        | 134 | C10H14  | 000095-93-2 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.M  
Quant Title : TRACE VOA SOM01.0

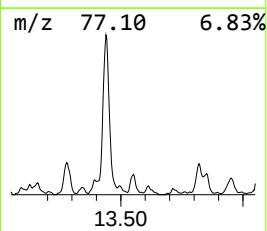
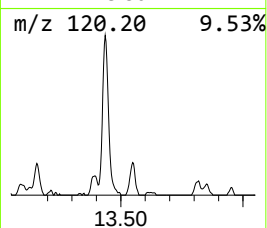
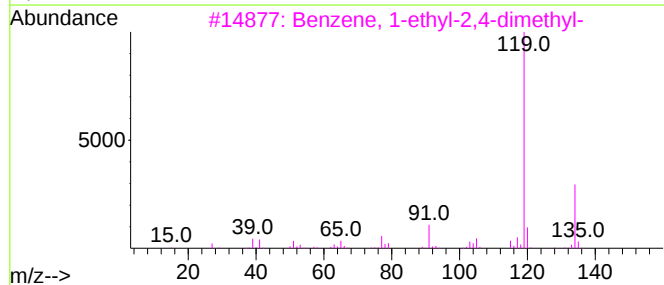
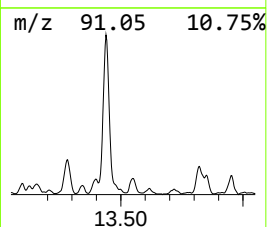
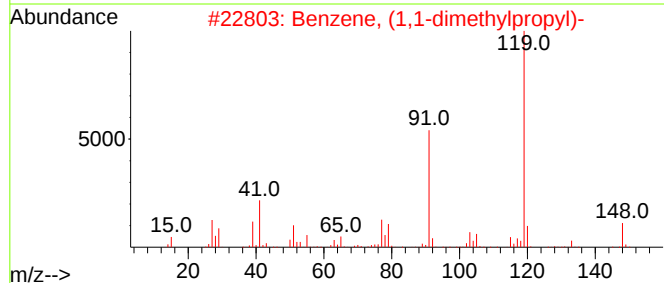
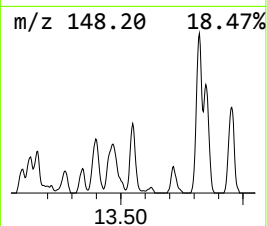
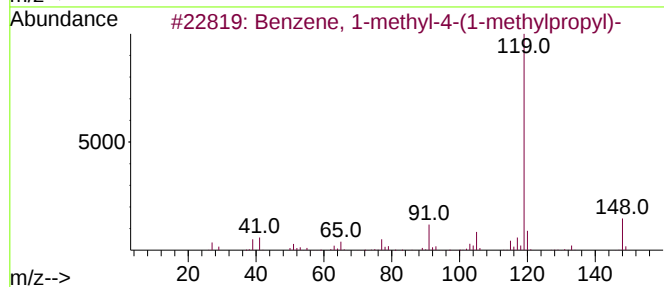
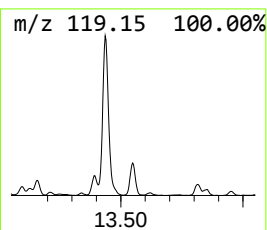
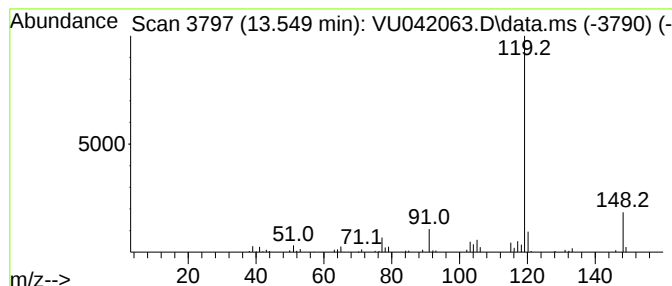
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 Benzene, 1-methyl-4-(1-meth... Concentration Rank 16

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.549 | 1.20 ug/L | 83200 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16  | 001595-16-0 | 91   |
| 2    |    |   | Benzene, (1,1-dimethylpropyl)-      | 148 | C11H16  | 002049-95-8 | 90   |
| 3    |    |   | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 78   |
| 4    |    |   | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 78   |
| 5    |    |   | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 78   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

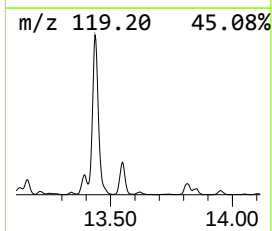
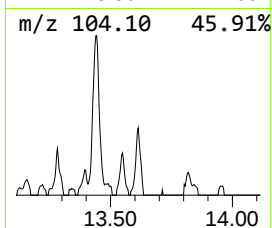
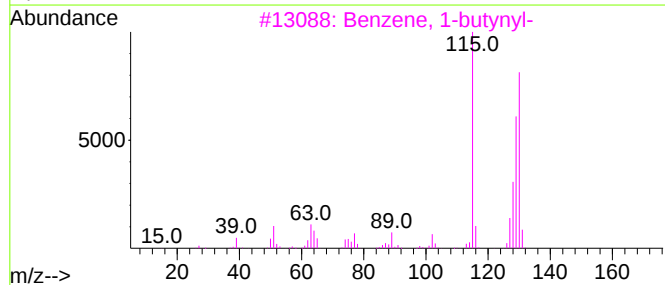
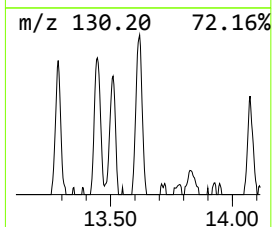
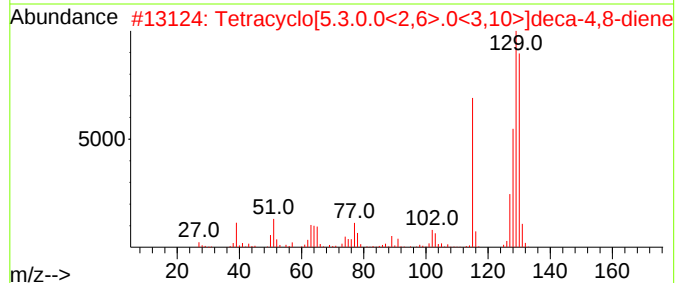
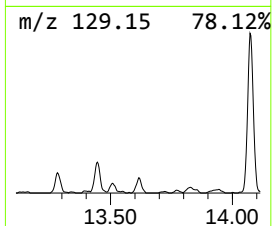
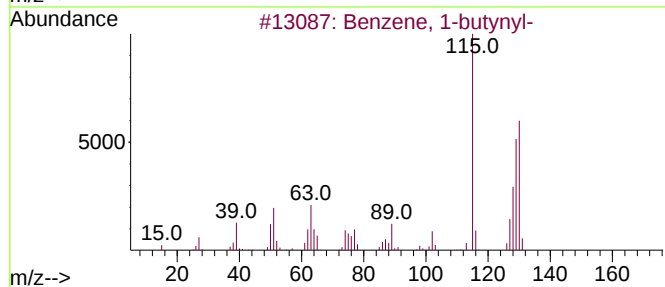
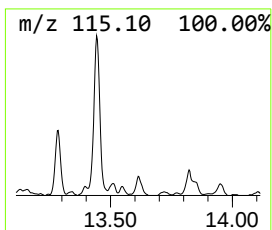
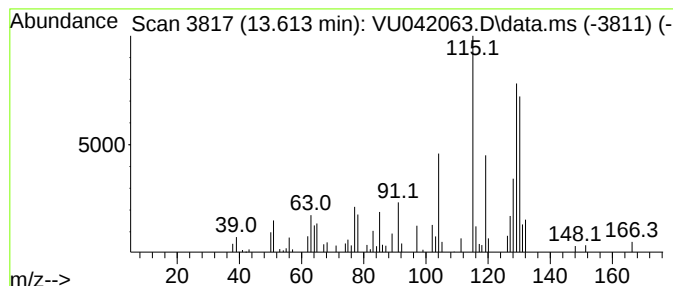
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Quant Title : TRACE VOA SOM01.0

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

\*\*\*\*\*  
Peak Number 13 Benzene, 1-butynyl- Concentration Rank 23

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.613 | 0.57 ug/L | 39646 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-butynyl-                 | 130 | C10H10  | 000622-76-4 | 90   |
| 2    |    |   | Tetracyclo[5.3.0.0<2,6>.0<3,10>]... | 130 | C10H10  | 034324-40-8 | 78   |
| 3    |    |   | Benzene, 1-butynyl-                 | 130 | C10H10  | 000622-76-4 | 78   |
| 4    |    |   | Benzene,1-methyl-1,2-propadienyl-   | 130 | C10H10  | 022433-39-2 | 60   |
| 5    |    |   | Naphthalene, 1,2-dihydro-           | 130 | C10H10  | 000447-53-0 | 60   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

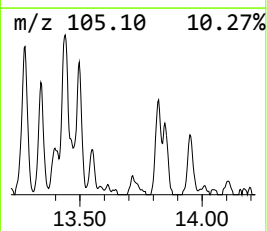
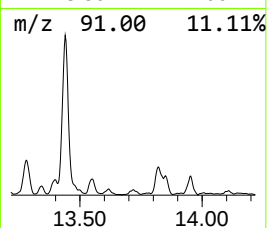
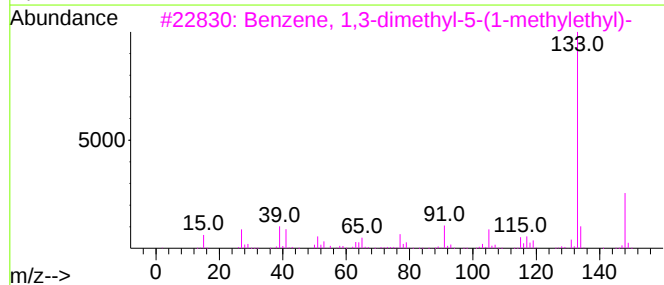
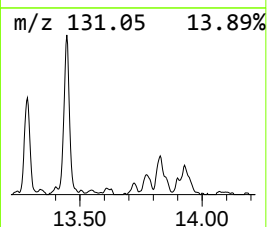
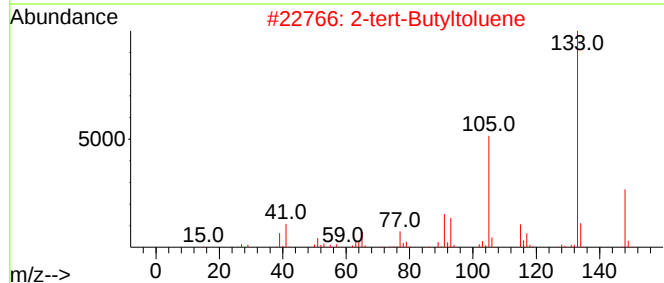
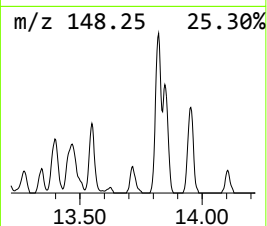
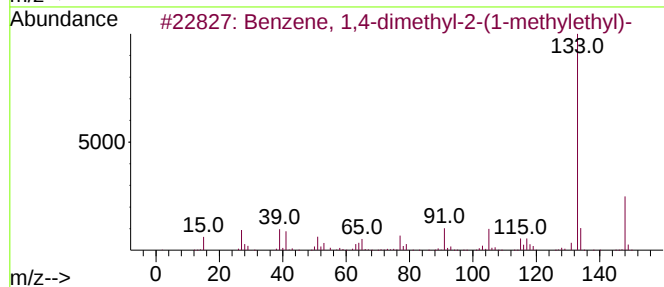
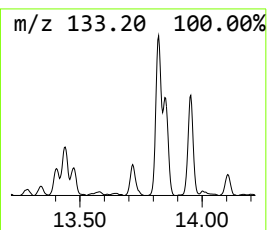
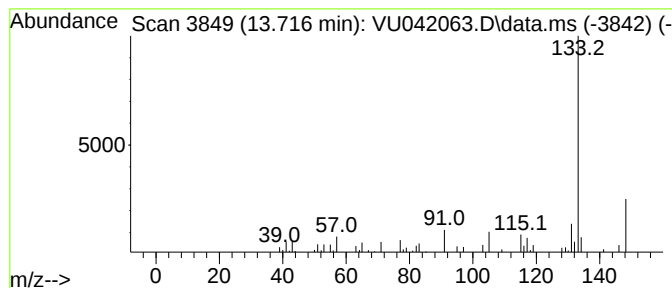
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.M  
Quant Title : TRACE VOA SOM01.0

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

\*\*\*\*\*  
Peak Number 14 Benzene, 1,4-dimethyl-2-(1-... Concentration Rank 24

| R.T.      | EstConc                             | Area  | Relative to ISTD       |         |             | R.T.   |
|-----------|-------------------------------------|-------|------------------------|---------|-------------|--------|
| 13.716    | 0.51 ug/L                           | 35430 | 1,4-Dichlorobenzene-d4 |         |             | 11.809 |
| Hit# of 5 | Tentative ID                        |       | MW                     | MolForm | CAS#        | Qual   |
| 1         | Benzene, 1,4-dimethyl-2-(1-methy... |       | 148                    | C11H16  | 004132-72-3 | 72     |
| 2         | 2-tert-Butyltoluene                 |       | 148                    | C11H16  | 001074-92-6 | 72     |
| 3         | Benzene, 1,3-dimethyl-5-(1-methy... |       | 148                    | C11H16  | 004706-90-5 | 72     |
| 4         | Benzene, 2,4-dimethyl-1-(1-methy... |       | 148                    | C11H16  | 004706-89-2 | 72     |
| 5         | 4-tert-Butyltoluene                 |       | 148                    | C11H16  | 000098-51-1 | 64     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

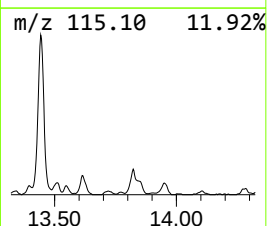
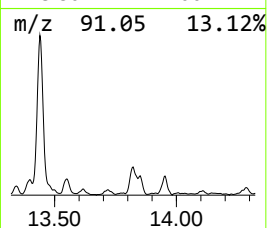
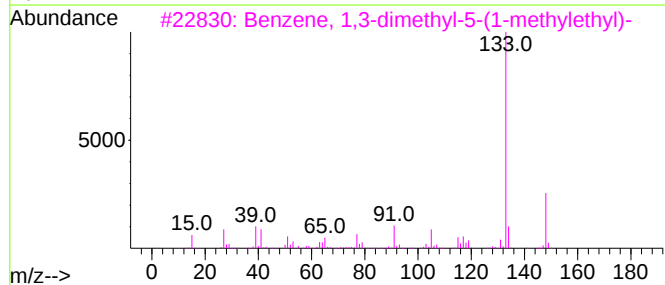
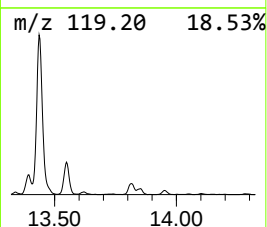
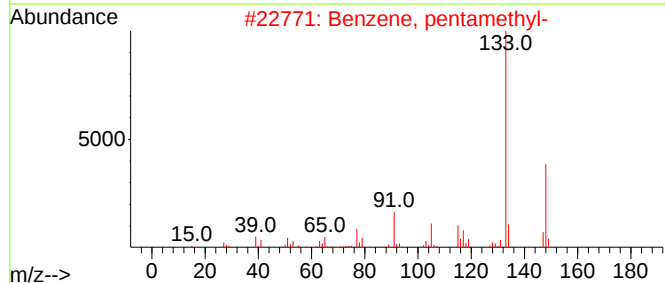
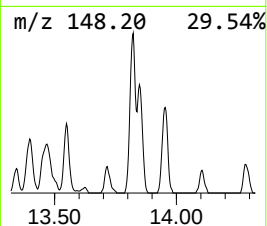
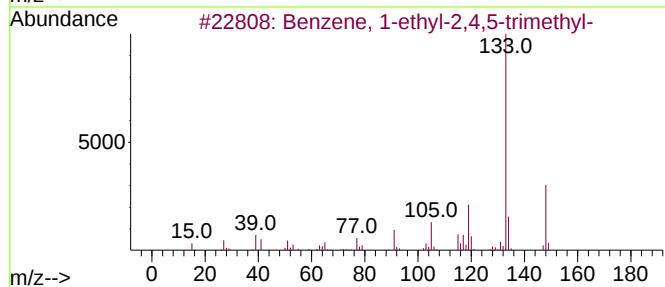
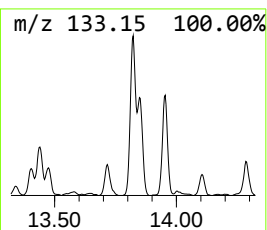
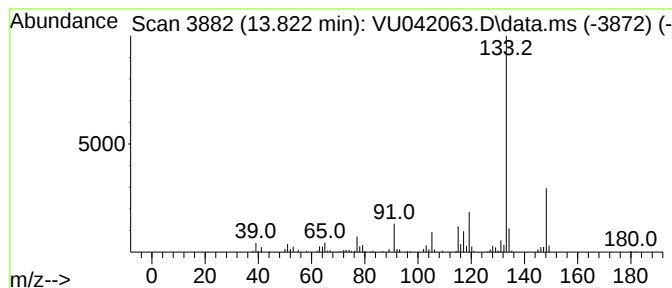
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Quant Title : TRACE VOA SOM01.0

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

\*\*\*\*\*  
Peak Number 15 unknown-01 Concentration Rank 10

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.822 | 2.44 ug/L | 168352 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2,4,5-trimethyl-   | 148 | C11H16  | 017851-27-3 | 94   |
| 2    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 94   |
| 3    |    |   | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16  | 004706-90-5 | 91   |
| 4    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 90   |
| 5    |    |   | Benzene, 1,4-dimethyl-2-(1-methy... | 148 | C11H16  | 004132-72-3 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.M  
Quant Title : TRACE VOA SOM01.0

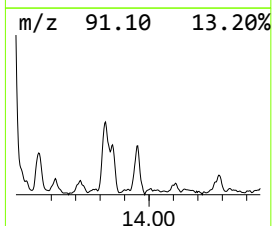
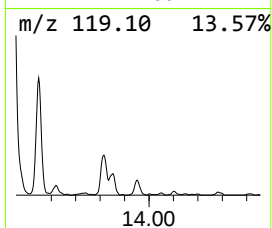
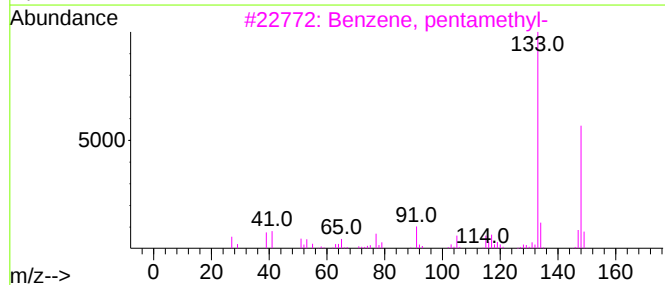
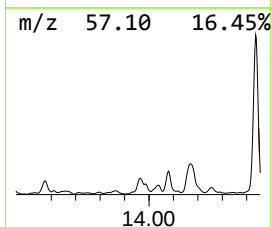
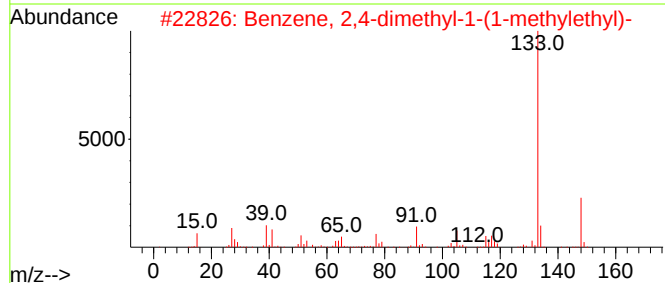
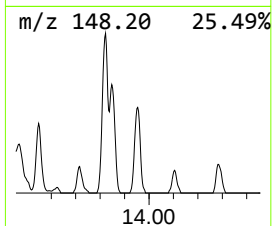
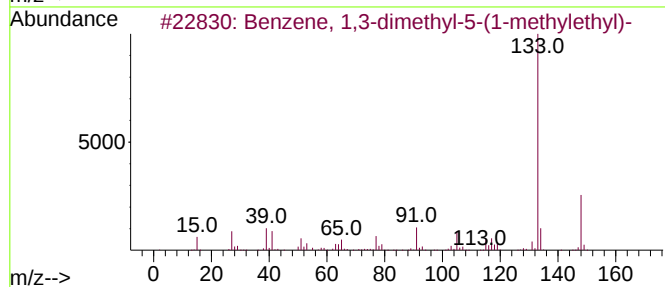
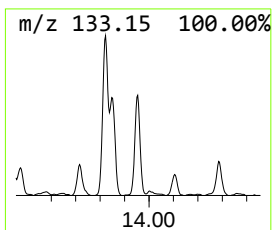
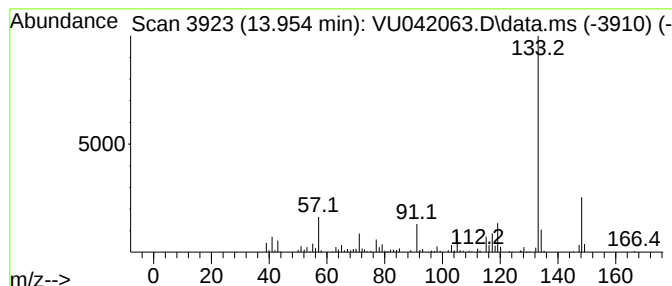
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 11

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.954 | 2.03 ug/L | 140415 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16  | 004706-90-5 | 90   |
| 2    |    |   | Benzene, 2,4-dimethyl-1-(1-methy... | 148 | C11H16  | 004706-89-2 | 90   |
| 3    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 90   |
| 4    |    |   | Benzene, 1,4-dimethyl-2-(1-methy... | 148 | C11H16  | 004132-72-3 | 90   |
| 5    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

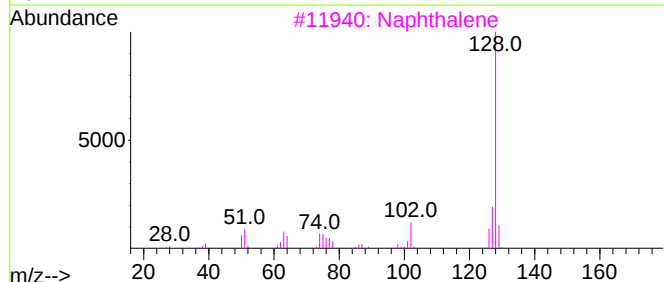
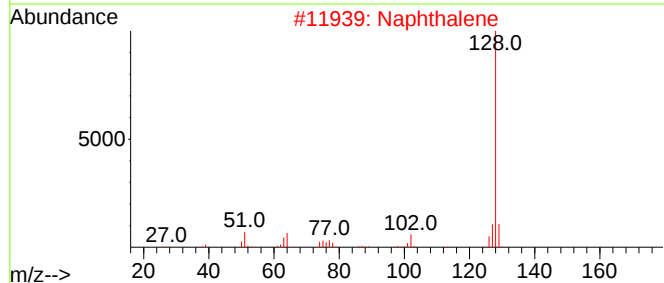
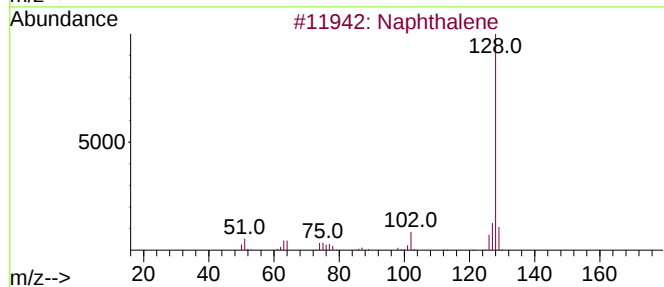
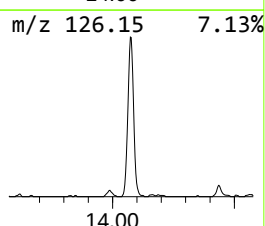
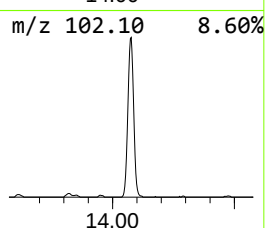
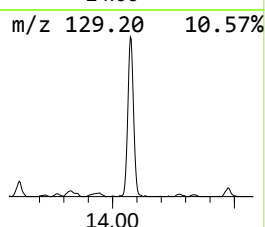
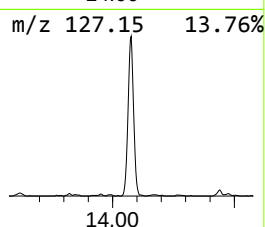
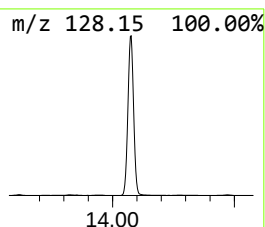
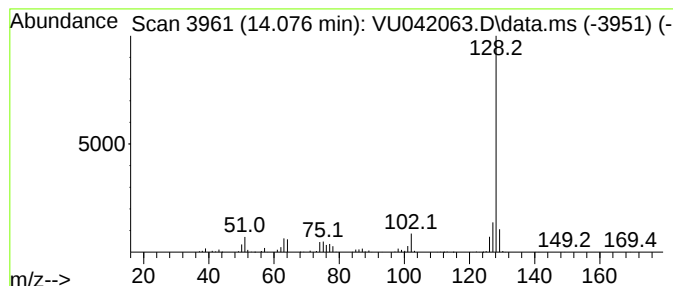
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Quant Title : TRACE VOA SOM01.0

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

\*\*\*\*\*  
Peak Number 17 Azulene Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.076 | 14.18 ug/L | 979875 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene  | 128 | C10H8   | 000091-20-3 | 95   |
| 2    |    |   | Naphthalene  | 128 | C10H8   | 000091-20-3 | 94   |
| 3    |    |   | Naphthalene  | 128 | C10H8   | 000091-20-3 | 94   |
| 4    |    |   | Azulene      | 128 | C10H8   | 000275-51-4 | 91   |
| 5    |    |   | Azulene      | 128 | C10H8   | 000275-51-4 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.M  
Quant Title : TRACE VOA SOM01.0

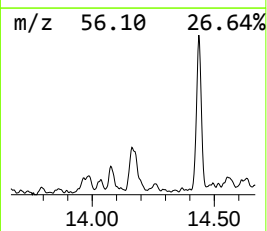
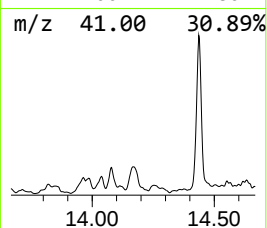
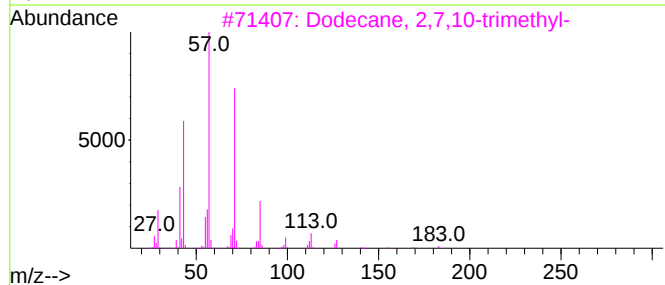
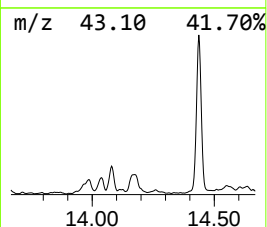
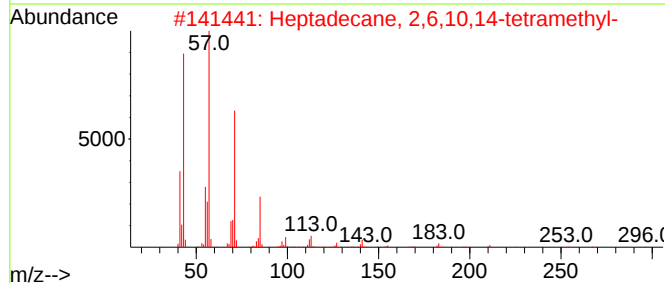
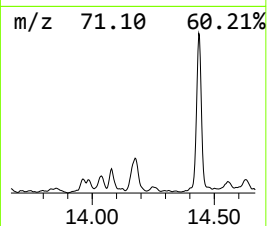
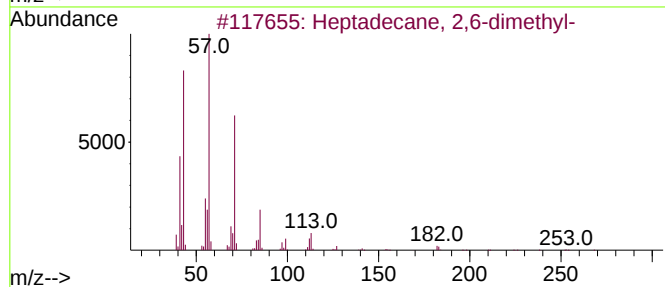
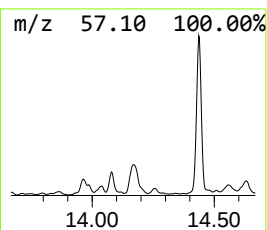
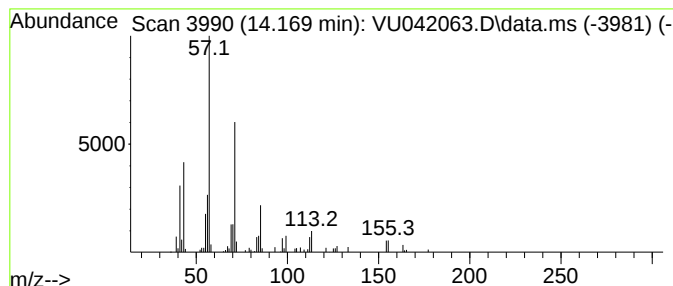
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TIC Integration Parameters: LSCINT.P

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Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 13

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.169 | 1.64 ug/L | 113258 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Heptadecane, 2,6-dimethyl-          | 268 | C19H40  | 054105-67-8 | 80   |
| 2    |      | Heptadecane, 2,6,10,14-tetramethyl- | 296 | C21H44  | 018344-37-1 | 80   |
| 3    |      | Dodecane, 2,7,10-trimethyl-         | 212 | C15H32  | 074645-98-0 | 72   |
| 4    |      | Octane, 3,6-dimethyl-               | 142 | C10H22  | 015869-94-0 | 59   |
| 5    |      | Octane, 2,6-dimethyl-               | 142 | C10H22  | 002051-30-1 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

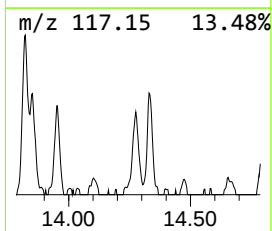
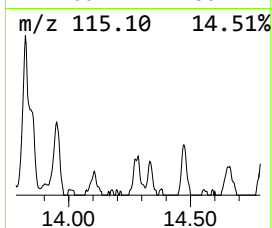
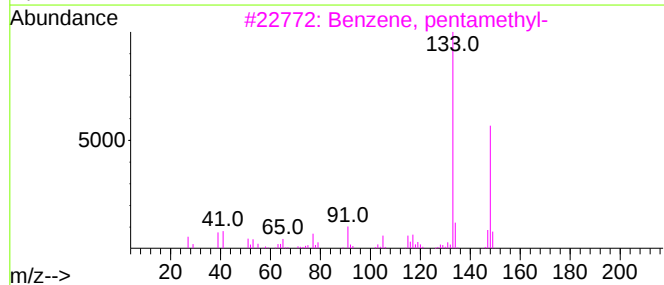
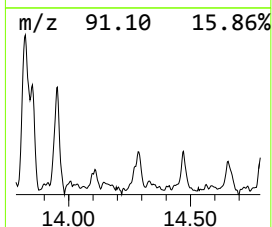
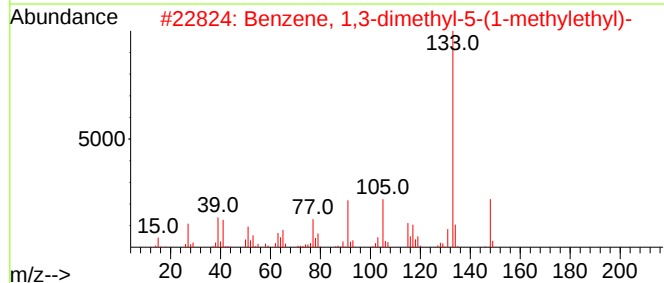
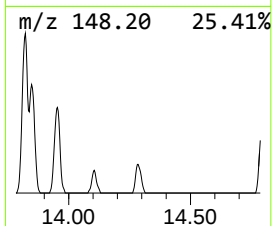
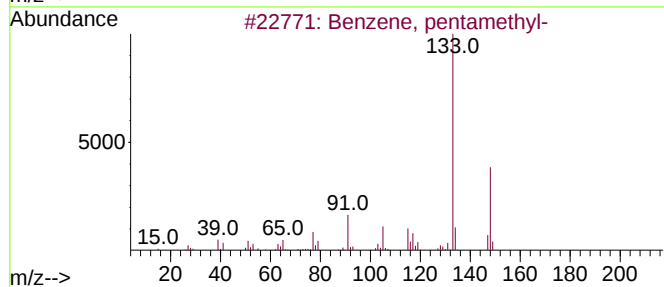
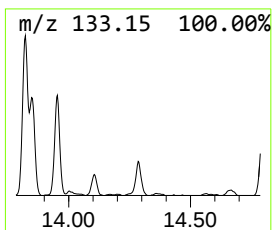
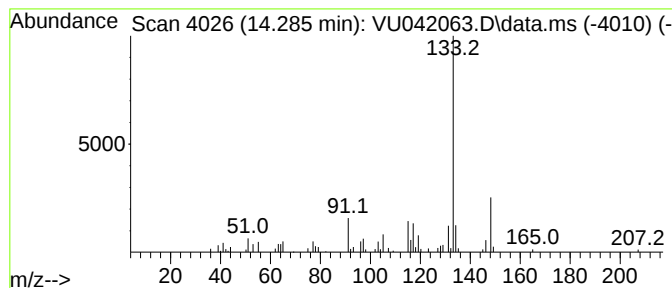
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 19 Benzene, pentamethyl- Concentration Rank 20

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.285 | 0.81 ug/L | 56151 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9  | 90   |
| 2    |    |   | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16  | 004706-90-5  | 90   |
| 3    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9  | 90   |
| 4    |    |   | 3,4-Dimethylcumene                  | 148 | C11H16  | 1000370-34-1 | 86   |
| 5    |    |   | 4-tert-Butyltoluene                 | 148 | C11H16  | 000098-51-1  | 83   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

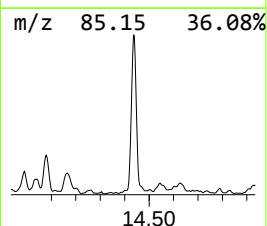
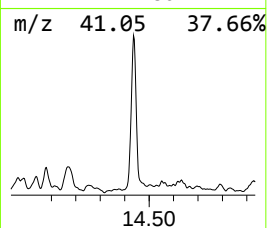
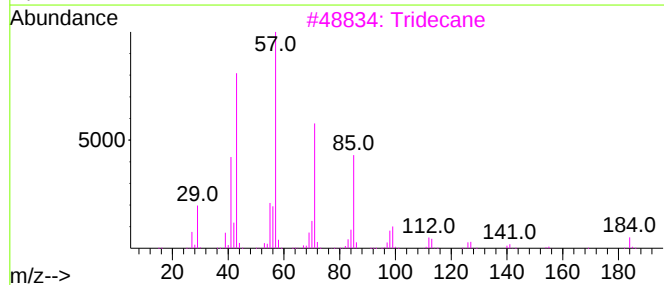
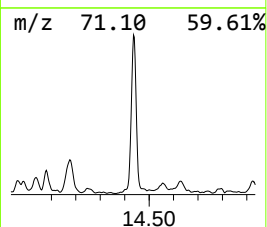
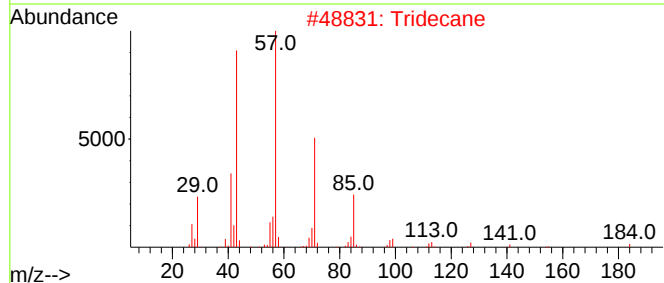
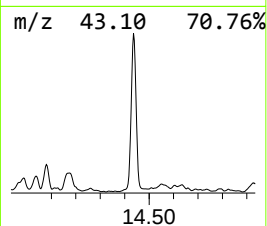
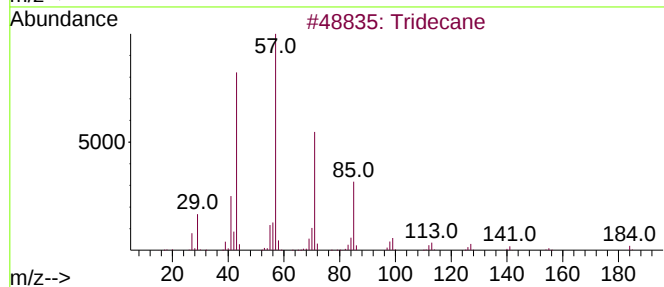
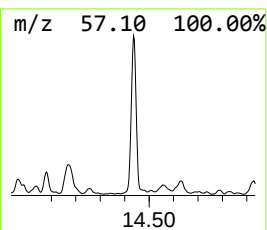
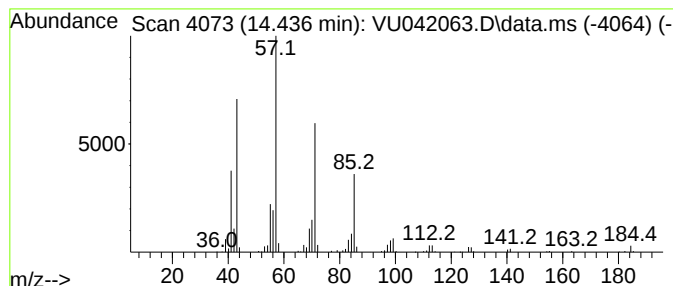
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.436 | 5.36 ug/L | 370228 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane    | 184 | C13H28  | 000629-50-5 | 93   |
| 2    |    |   | Tridecane    | 184 | C13H28  | 000629-50-5 | 93   |
| 3    |    |   | Tridecane    | 184 | C13H28  | 000629-50-5 | 92   |
| 4    |    |   | Nonadecane   | 268 | C19H40  | 000629-92-5 | 91   |
| 5    |    |   | Tetradecane  | 198 | C14H30  | 000629-59-4 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

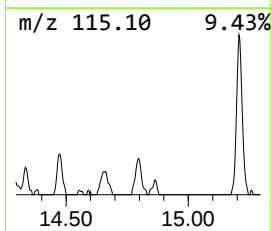
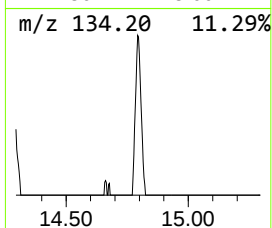
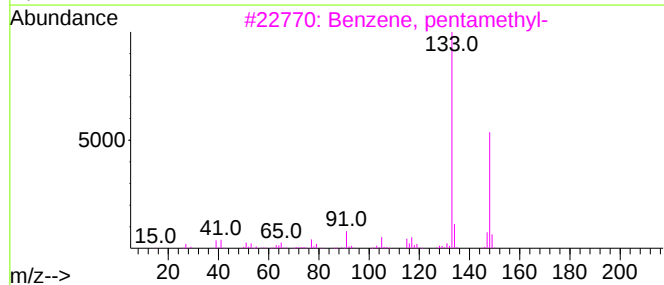
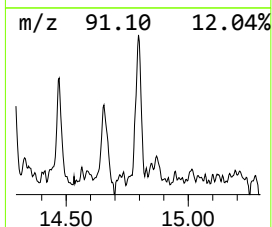
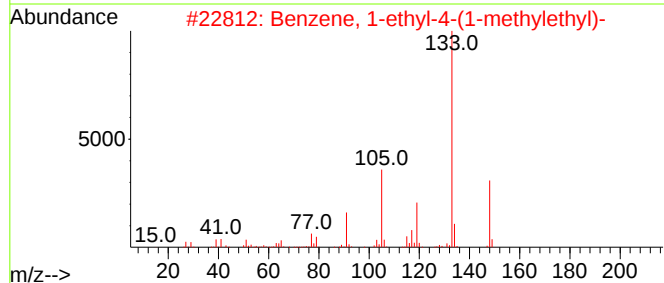
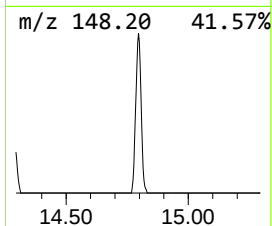
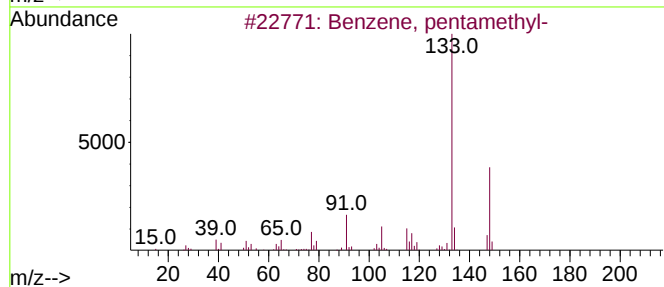
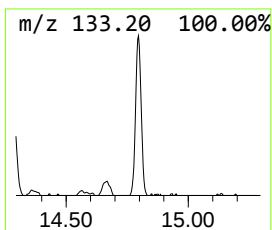
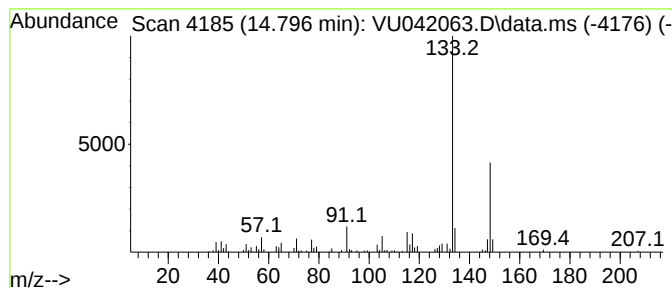
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 21 3,4-Dimethylcumene Concentration Rank 19

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.796 | 0.92 ug/L | 63831 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9  | 94   |
| 2    |    |   | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16  | 004218-48-8  | 91   |
| 3    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9  | 91   |
| 4    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9  | 91   |
| 5    |    |   | 3,4-Dimethylcumene                  | 148 | C11H16  | 1000370-34-1 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

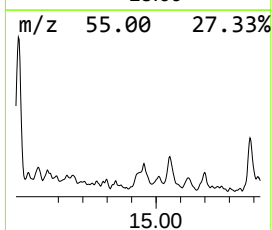
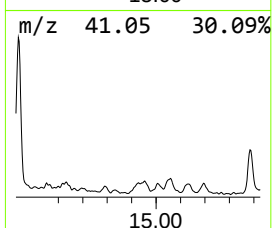
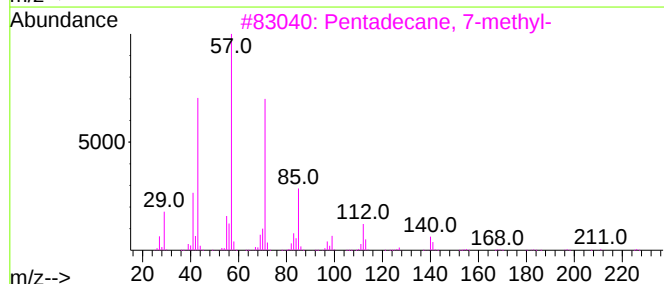
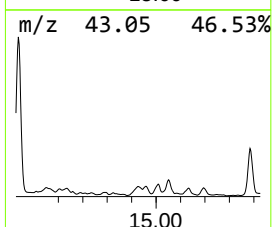
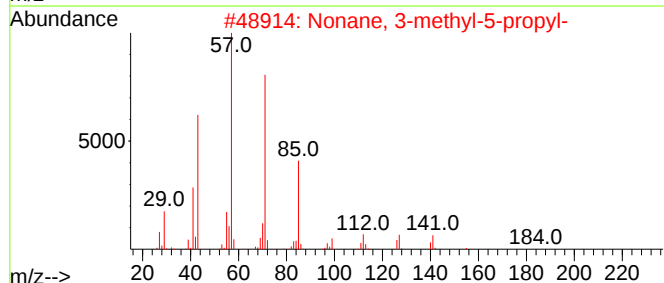
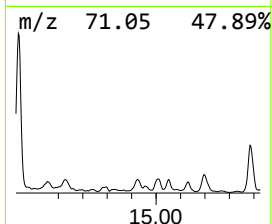
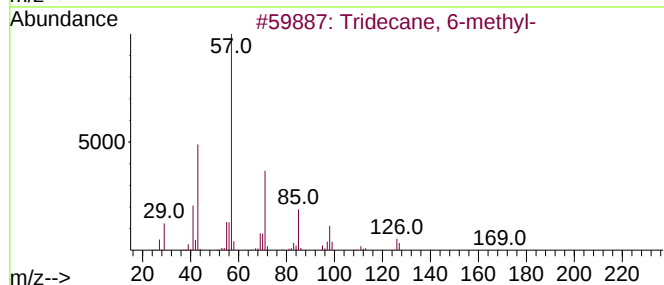
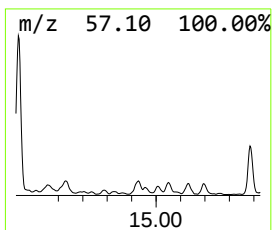
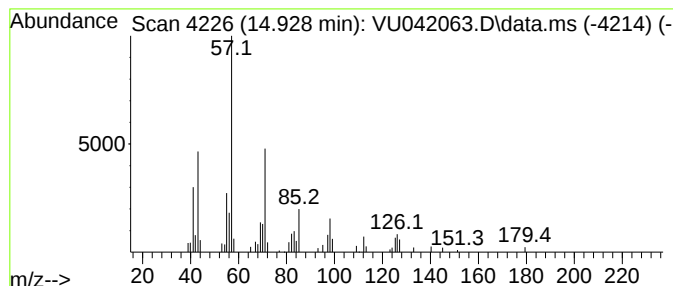
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 22

| R.T.      | EstConc                    | Area  | Relative to ISTD       |         | R.T.        |      |
|-----------|----------------------------|-------|------------------------|---------|-------------|------|
| 14.928    | 0.59 ug/L                  | 41109 | 1,4-Dichlorobenzene-d4 |         | 11.809      |      |
| Hit# of 5 | Tentative ID               |       | MW                     | MolForm | CAS#        | Qual |
| 1         | Tridecane, 6-methyl-       |       | 198                    | C14H30  | 013287-21-3 | 86   |
| 2         | Nonane, 3-methyl-5-propyl- |       | 184                    | C13H28  | 031081-18-2 | 59   |
| 3         | Pentadecane, 7-methyl-     |       | 226                    | C16H34  | 006165-40-8 | 59   |
| 4         | Tridecane                  |       | 184                    | C13H28  | 000629-50-5 | 50   |
| 5         | Tridecane                  |       | 184                    | C13H28  | 000629-50-5 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

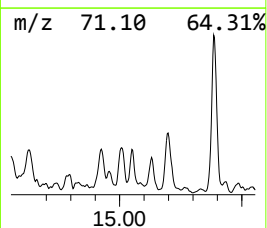
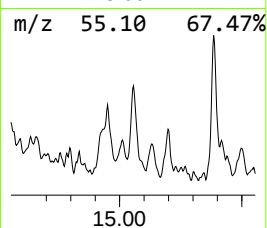
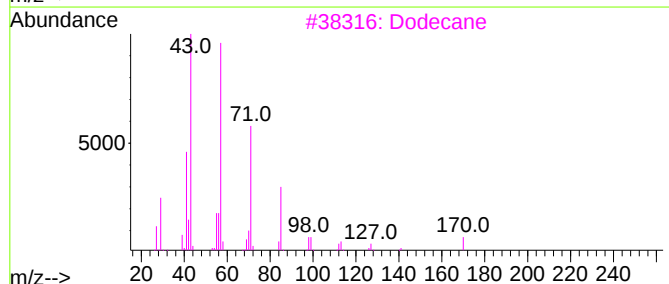
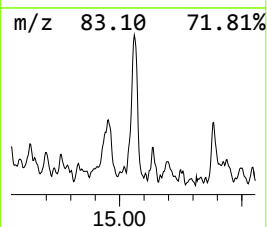
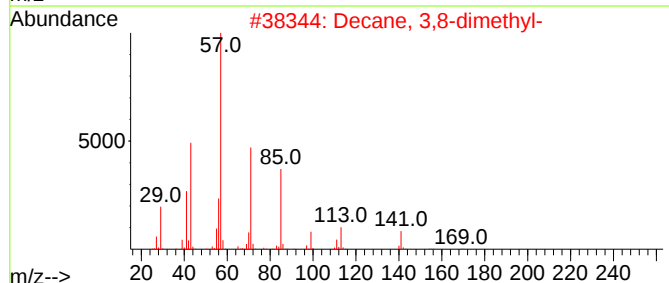
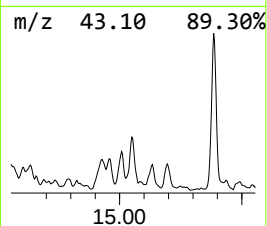
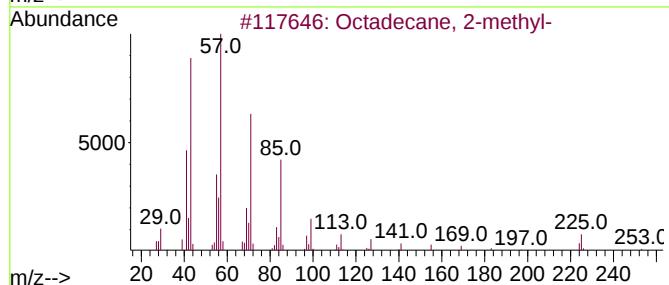
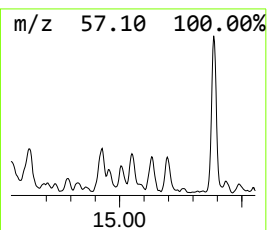
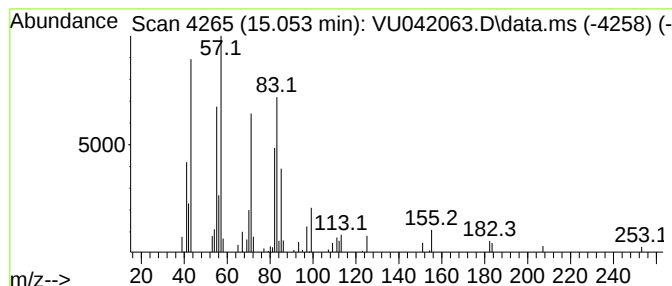
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 21

| R.T.      | EstConc                       | Area  | Relative to ISTD       |         | R.T.        |      |
|-----------|-------------------------------|-------|------------------------|---------|-------------|------|
| 15.054    | 0.73 ug/L                     | 50454 | 1,4-Dichlorobenzene-d4 |         | 11.809      |      |
| Hit# of 5 | Tentative ID                  |       | MW                     | MolForm | CAS#        | Qual |
| 1         | Octadecane, 2-methyl-         |       | 268                    | C19H40  | 001560-88-9 | 47   |
| 2         | Decane, 3,8-dimethyl-         |       | 170                    | C12H26  | 017312-55-9 | 38   |
| 3         | Dodecane                      |       | 170                    | C12H26  | 000112-40-3 | 38   |
| 4         | Undecane, 3,5-dimethyl-       |       | 184                    | C13H28  | 017312-81-1 | 35   |
| 5         | Octane, 3-ethyl-2,7-dimethyl- |       | 170                    | C12H26  | 062183-55-5 | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

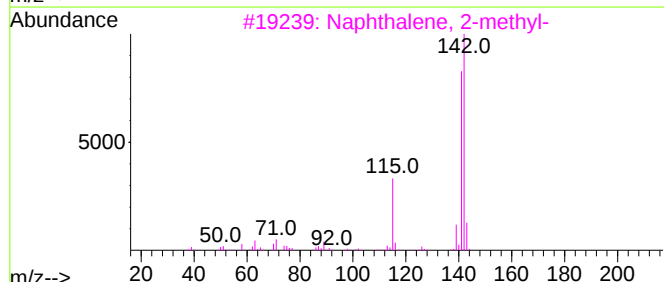
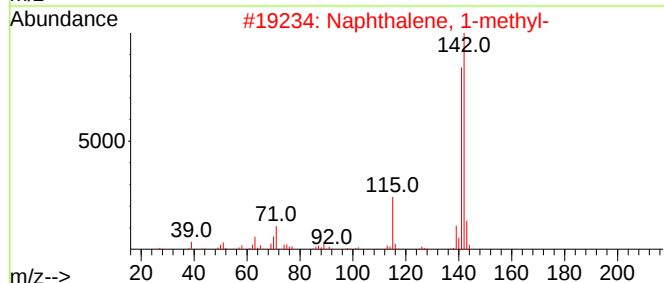
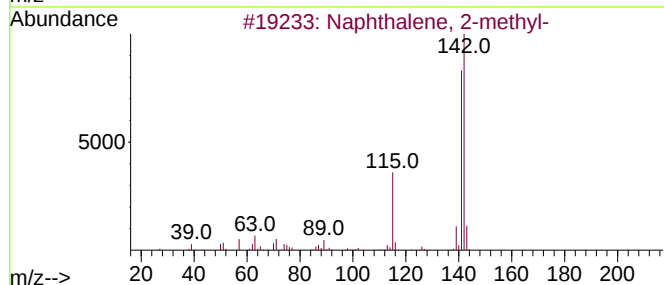
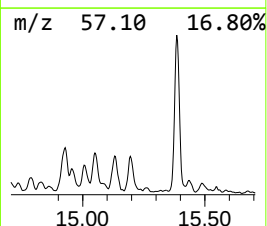
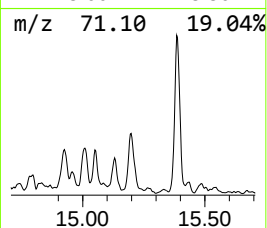
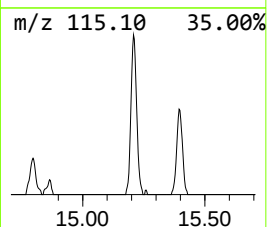
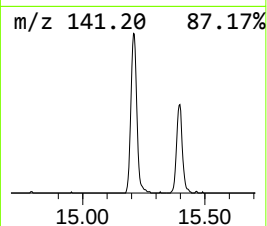
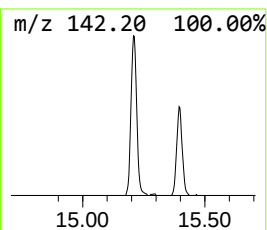
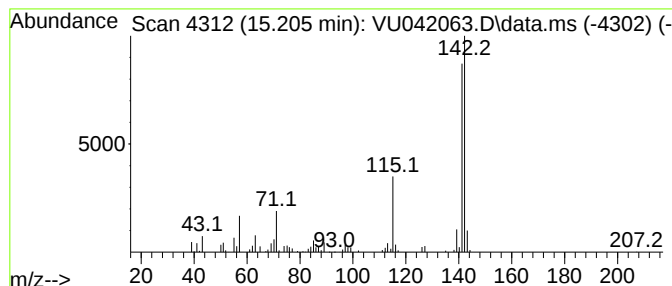
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 24 Naphthalene, 1-methyl- Concentration Rank 14

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.205 | 1.56 ug/L | 108138 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 95   |
| 2    |    |   | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 94   |
| 3    |    |   | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 93   |
| 4    |    |   | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 93   |
| 5    |    |   | Benzocycloheptatriene  | 142 | C11H10  | 000264-09-5 | 87   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042063.D  
Acq On : 15 Jan 2021 11:13  
Operator : SY/MD  
Sample : M1129-01DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT60DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.M  
Quant Title : TRACE VOA SOM01.0

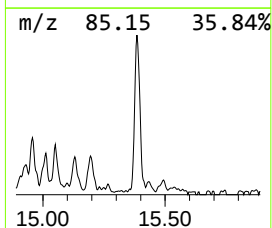
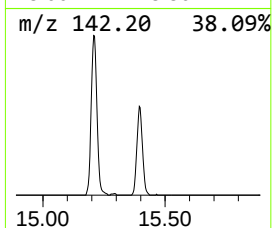
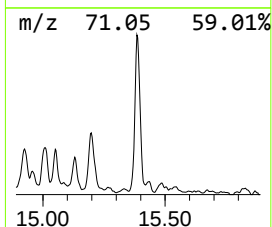
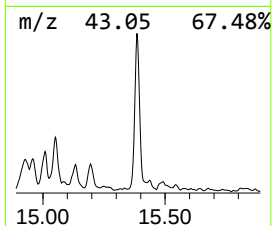
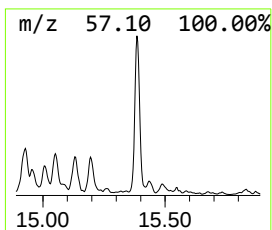
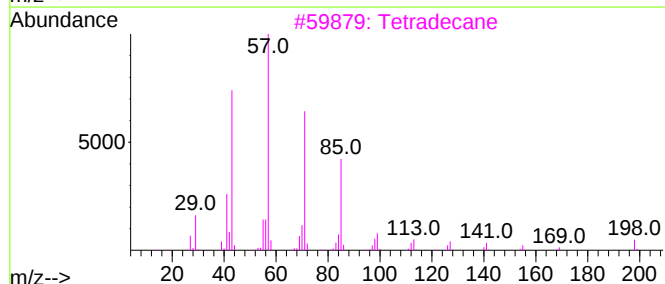
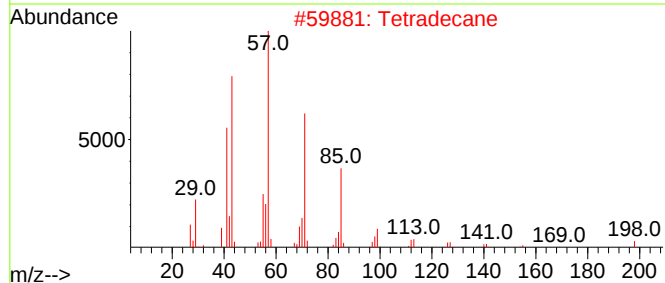
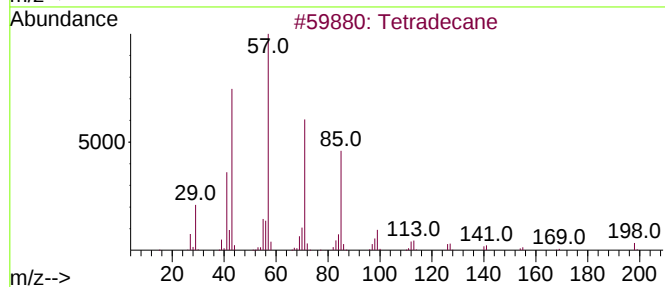
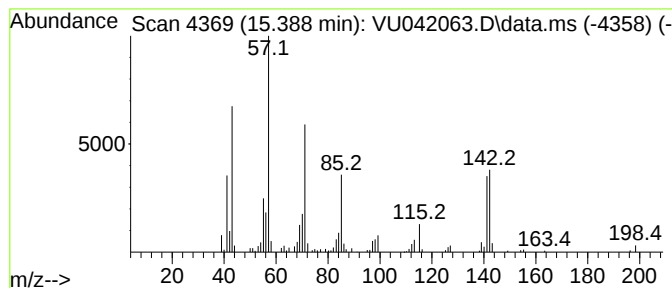
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.388 | 2.66 ug/L | 184077 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|------|--------------|-----|---------|-------------|------|
| 1    |      | Tetradecane  | 198 | C14H30  | 000629-59-4 | 95   |
| 2    |      | Tetradecane  | 198 | C14H30  | 000629-59-4 | 94   |
| 3    |      | Tetradecane  | 198 | C14H30  | 000629-59-4 | 50   |
| 4    |      | Hexadecane   | 226 | C16H34  | 000544-76-3 | 45   |
| 5    |      | Hexadecane   | 226 | C16H34  | 000544-76-3 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
 Data File : VU042063.D  
 Acq On : 15 Jan 2021 11:13  
 Operator : SY/MD  
 Sample : M1129-01DL 10X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFT60DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.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 |
| o-Cymene           | 12.459 | 1.1     | ug/L  | 79338    | 3                     | 11.809 | 345576 | 5.0  |
| Benzene, 2-ethy... | 12.488 | 1.5     | ug/L  | 102518   | 3                     | 11.809 | 345576 | 5.0  |
| Benzene, 4-ethy... | 12.565 | 4.0     | ug/L  | 273050   | 3                     | 11.809 | 345576 | 5.0  |
| Benzene, 2-ethy... | 12.693 | 1.0     | ug/L  | 70770    | 3                     | 11.809 | 345576 | 5.0  |
| Benzene, 1-ethy... | 12.870 | 2.4     | ug/L  | 168586   | 3                     | 11.809 | 345576 | 5.0  |
| Benzene, 1,2,3,... | 12.964 | 7.2     | ug/L  | 499813   | 3                     | 11.809 | 345576 | 5.0  |
| Benzene, 1,2,4,... | 13.018 | 13.1    | ug/L  | 907880   | 3                     | 11.809 | 345576 | 5.0  |
| Benzene, 1-ethy... | 13.124 | 0.5     | ug/L  | 35245    | 3                     | 11.809 | 345576 | 5.0  |
| Benzene, 1-ethe... | 13.282 | 3.2     | ug/L  | 221451   | 3                     | 11.809 | 345576 | 5.0  |
| Benzene, 1-meth... | 13.439 | 16.0    | ug/L  | 1102840  | 3                     | 11.809 | 345576 | 5.0  |
| Benzene, 1-meth... | 13.549 | 1.2     | ug/L  | 83200    | 3                     | 11.809 | 345576 | 5.0  |
| Benzene, 1-buty... | 13.613 | 0.6     | ug/L  | 39646    | 3                     | 11.809 | 345576 | 5.0  |
| Benzene, 1,4-di... | 13.716 | 0.5     | ug/L  | 35430    | 3                     | 11.809 | 345576 | 5.0  |
| unknown-01         | 13.822 | 2.4     | ug/L  | 168352   | 3                     | 11.809 | 345576 | 5.0  |
| Benzene, 1,3-di... | 13.954 | 2.0     | ug/L  | 140415   | 3                     | 11.809 | 345576 | 5.0  |
| Azulene            | 14.076 | 14.2    | ug/L  | 979875   | 3                     | 11.809 | 345576 | 5.0  |
| (DEL) Alkane: S... | 14.169 | 1.6     | ug/L  | 113258   | 3                     | 11.809 | 345576 | 5.0  |
| Benzene, pentam... | 14.285 | 0.8     | ug/L  | 56151    | 3                     | 11.809 | 345576 | 5.0  |
| (DEL) Alkane: S... | 14.436 | 5.4     | ug/L  | 370228   | 3                     | 11.809 | 345576 | 5.0  |
| 3,4-Dimethylcumene | 14.796 | 0.9     | ug/L  | 63831    | 3                     | 11.809 | 345576 | 5.0  |
| (DEL) Alkane: S... | 14.928 | 0.6     | ug/L  | 41109    | 3                     | 11.809 | 345576 | 5.0  |
| (DEL) Alkane: S... | 15.054 | 0.7     | ug/L  | 50454    | 3                     | 11.809 | 345576 | 5.0  |
| Naphthalene, 1-... | 15.205 | 1.6     | ug/L  | 108138   | 3                     | 11.809 | 345576 | 5.0  |
| (DEL) Alkane: S... | 15.388 | 2.7     | ug/L  | 184077   | 3                     | 11.809 | 345576 | 5.0  |