

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040921\  
 Data File : VY004360.D  
 Acq On : 09 Apr 2021 16:09  
 Operator : SY/MD  
 Sample : M1983-03  
 Misc : 2.57G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 41019

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\_Y\methods\82Y032921S.M

Title : SW846 8260

Signal : TIC: VY004360.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         | 3.960       | 338           | 351         | 386          | rBV      | 10371930       | 30298931      | 28.56%          | 12.543%       |
| 2         | 7.777       | 960           | 977         | 987          | rBV      | 4786585        | 12423391      | 11.71%          | 5.143%        |
| 3         | 7.880       | 987           | 994         | 1005         | rVV      | 1606968        | 3951629       | 3.72%           | 1.636%        |
| 4         | 8.008       | 1005          | 1015        | 1032         | rVV      | 6784006        | 15743939      | 14.84%          | 6.518%        |
| 5         | 8.277       | 1049          | 1059        | 1067         | rBV2     | 989558         | 2420023       | 2.28%           | 1.002%        |
| 6         | 8.557       | 1095          | 1105        | 1116         | rBV      | 6380995        | 12410813      | 11.70%          | 5.138%        |
| 7         | 9.191       | 1204          | 1209        | 1214         | rVV2     | 966660         | 1968204       | 1.86%           | 0.815%        |
| 8         | 10.081      | 1347          | 1355        | 1365         | rVV      | 1882199        | 3588162       | 3.38%           | 1.485%        |
| 9         | 10.191      | 1365          | 1373        | 1376         | rVV      | 588938         | 1123802       | 1.06%           | 0.465%        |
| 10        | 10.258      | 1376          | 1384        | 1396         | rVV2     | 37403901       | 106093763     | 100.00%         | 43.921%       |
| 11        | 12.489      | 1743          | 1750        | 1759         | rVB3     | 717900         | 1359956       | 1.28%           | 0.563%        |
| 12        | 12.910      | 1813          | 1819        | 1826         | rBV      | 24434306       | 39666889      | 37.39%          | 16.422%       |
| 13        | 13.154      | 1850          | 1859        | 1867         | rVB      | 4926134        | 7488312       | 7.06%           | 3.100%        |
| 14        | 13.245      | 1868          | 1874        | 1880         | rBV      | 1033277        | 1582751       | 1.49%           | 0.655%        |
| 15        | 13.489      | 1909          | 1914        | 1923         | rVB      | 818229         | 1433757       | 1.35%           | 0.594%        |

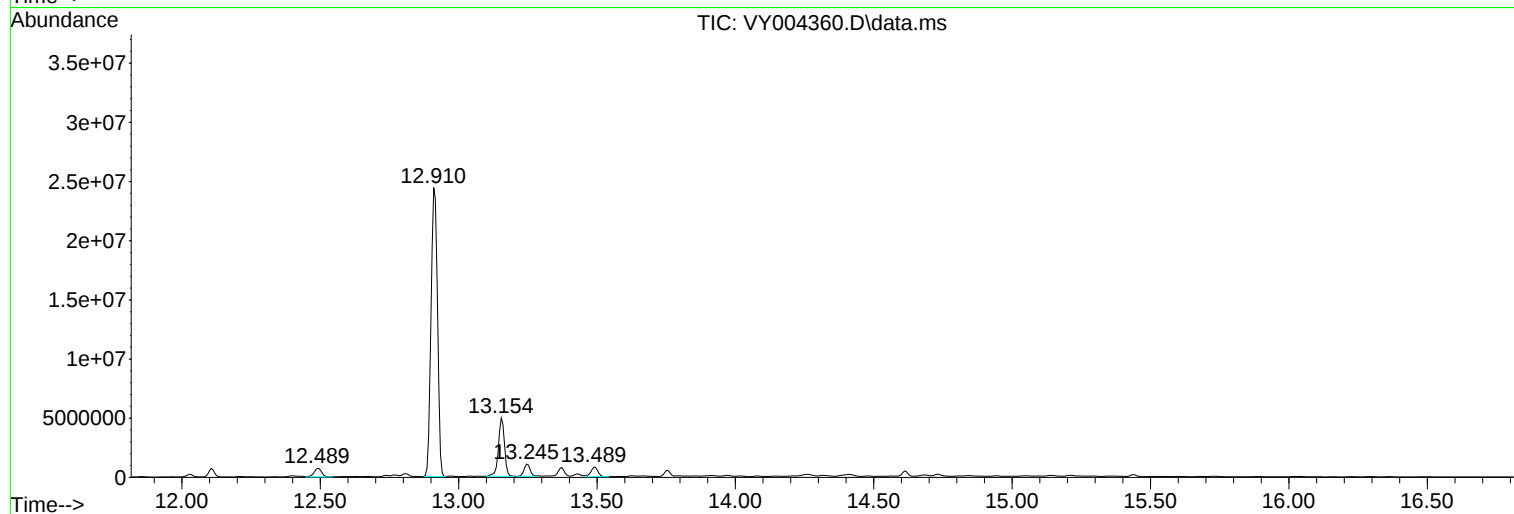
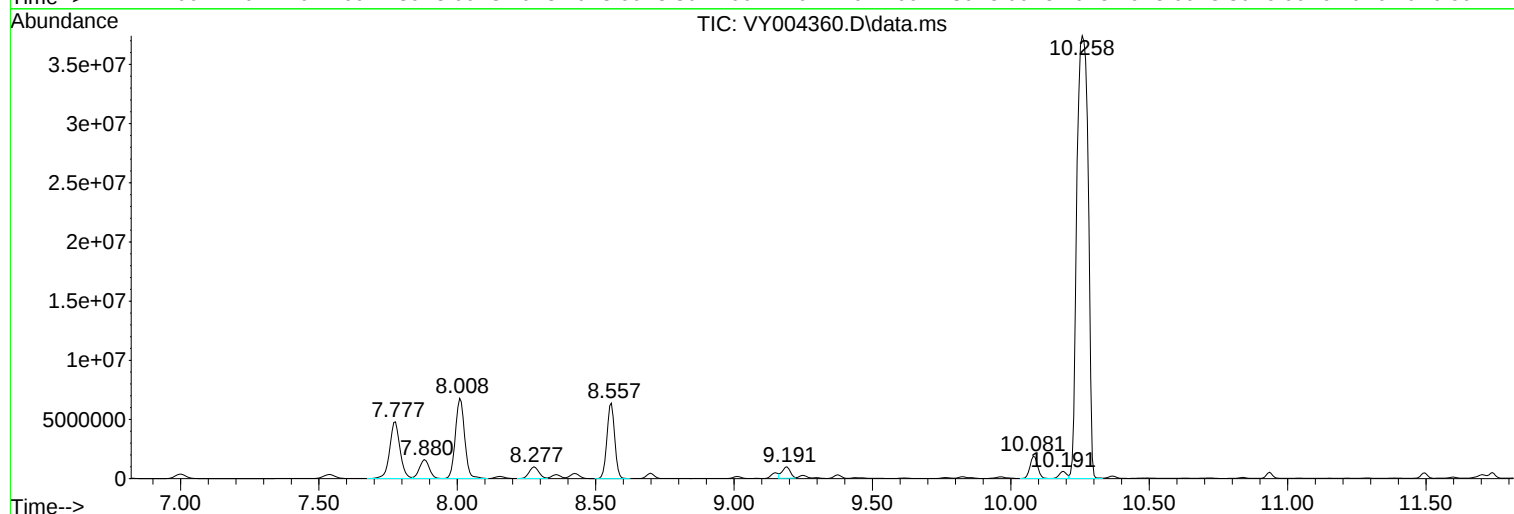
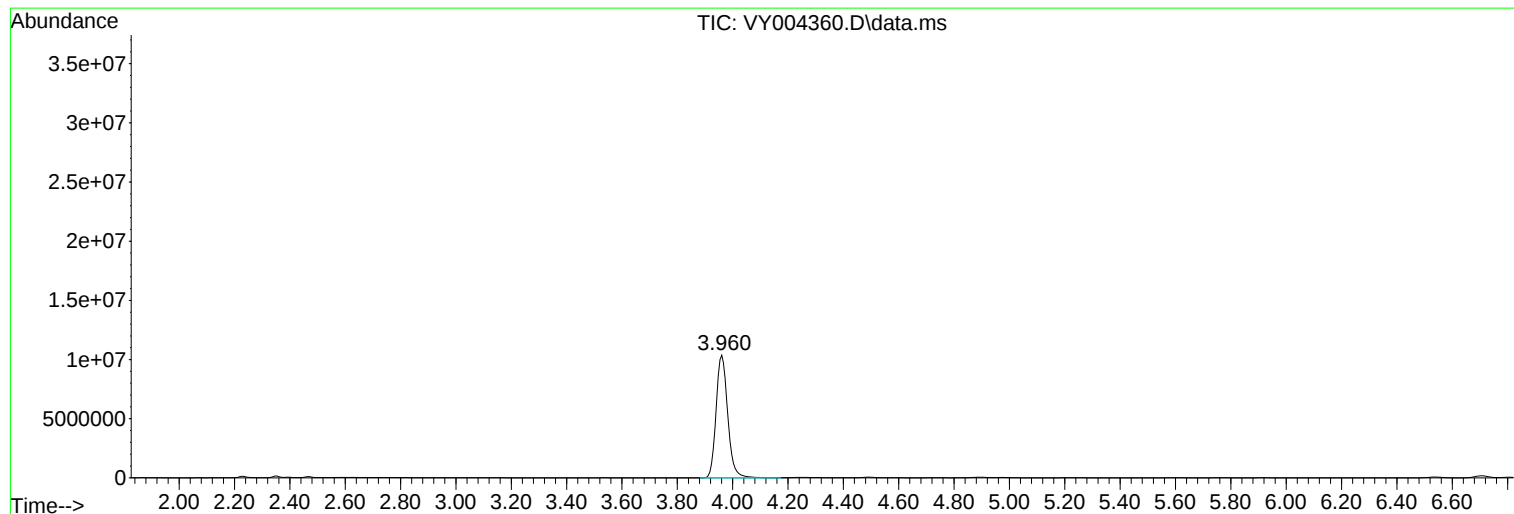
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040921\  
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Misc : 2.57G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
41019

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032921S.M  
Quant Title : SW846 8260

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



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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
41019

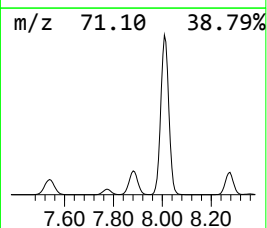
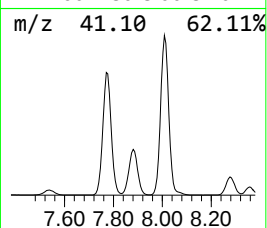
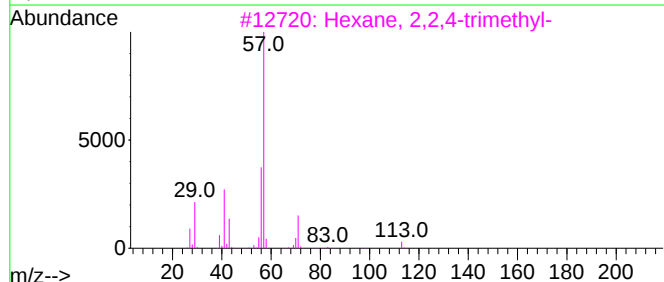
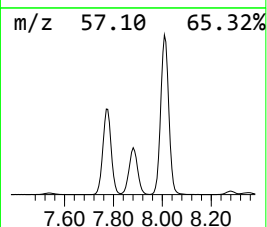
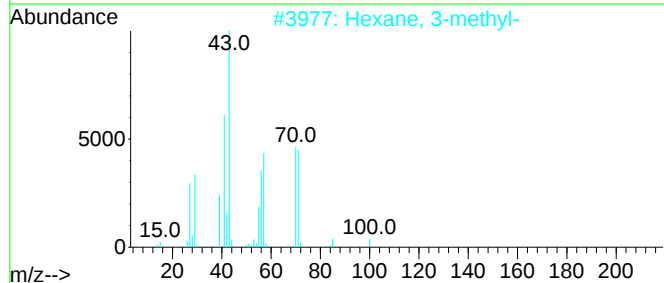
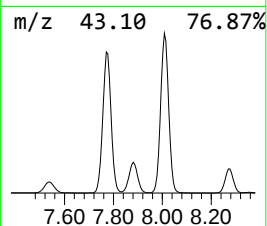
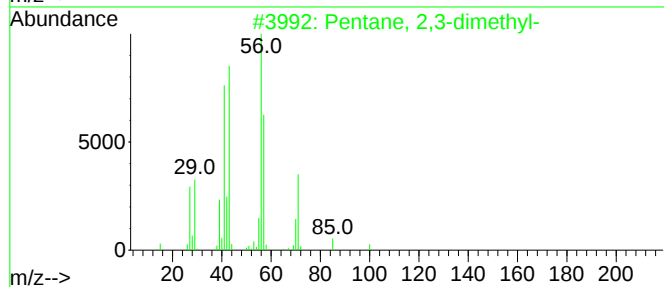
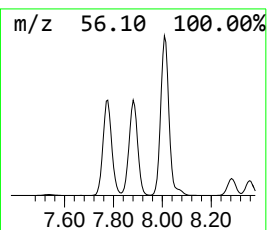
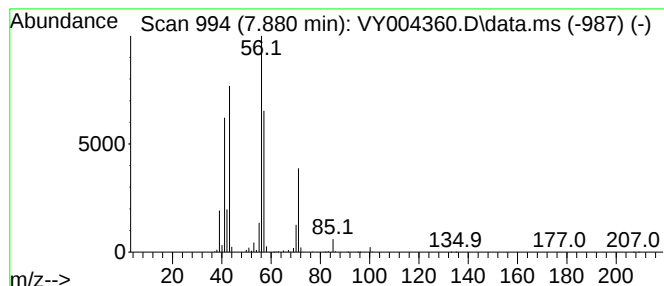
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Quant Title : SW846 8260

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

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Peak Number 1 Pentane, 2,3-dimethyl- Concentration Rank 5

| R.T.  | EstConc    | Area    | Relative to ISTD   | R.T.  |
|-------|------------|---------|--------------------|-------|
| 7.880 | 15.90 ug/l | 3951630 | Pentafluorobenzene | 7.801 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Pentane, 2,3-dimethyl-             | 100 | C7H16    | 000565-59-3  | 95   |
| 2    |    |   | Hexane, 3-methyl-                  | 100 | C7H16    | 000589-34-4  | 43   |
| 3    |    |   | Hexane, 2,2,4-trimethyl-           | 128 | C9H20    | 016747-26-5  | 42   |
| 4    |    |   | Oxalic acid, isobutyl pentyl ester | 216 | C11H20O4 | 1000309-37-0 | 38   |
| 5    |    |   | Propane, 1-isocyanato-             | 85  | C4H7NO   | 000110-78-1  | 37   |



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Sample : M1983-03  
Misc : 2.57G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
41019

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032921S.M  
Quant Title : SW846 8260

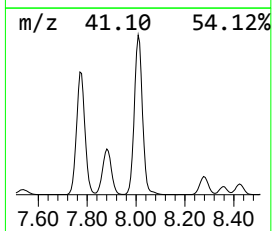
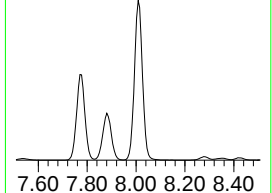
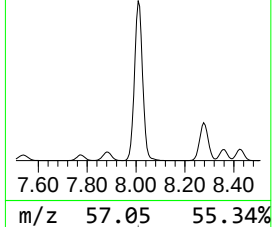
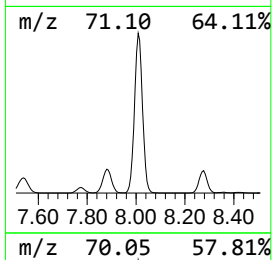
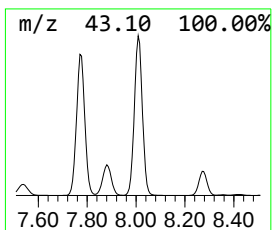
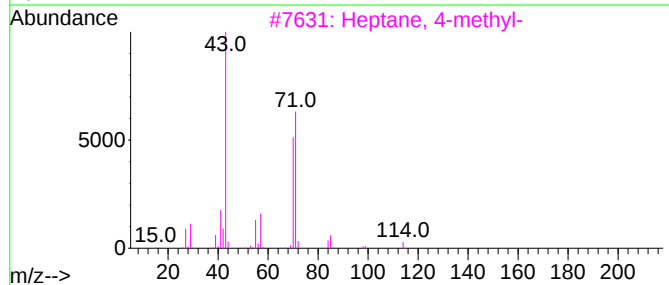
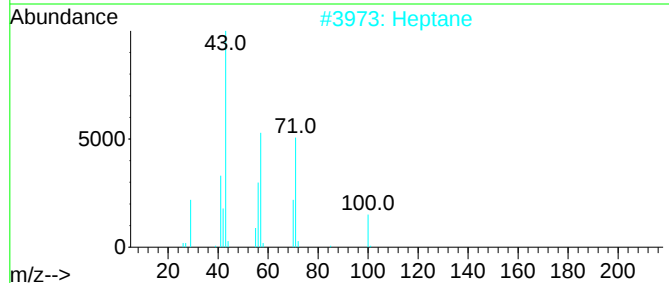
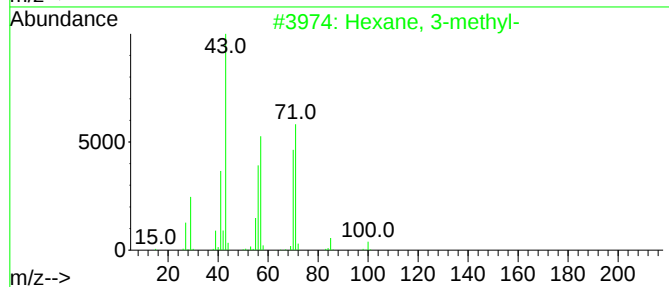
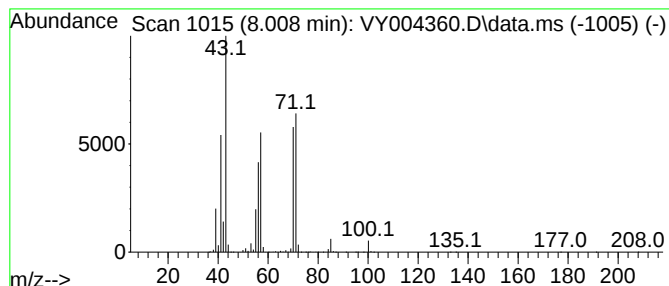
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Hexane, 3-methyl- Concentration Rank 2

| R.T.  | EstConc    | Area     | Relative to ISTD   | R.T.  |
|-------|------------|----------|--------------------|-------|
| 8.008 | 63.36 ug/l | 15743900 | Pentafluorobenzene | 7.801 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Hexane, 3-methyl-         | 100 | C7H16   | 000589-34-4 | 94   |
| 2    |    |   | Heptane                   | 100 | C7H16   | 000142-82-5 | 80   |
| 3    |    |   | Heptane, 4-methyl-        | 114 | C8H18   | 000589-53-7 | 59   |
| 4    |    |   | Pentane, 2,3,4-trimethyl- | 114 | C8H18   | 000565-75-3 | 53   |
| 5    |    |   | Heptane, 3,3,4-trimethyl- | 142 | C10H22  | 020278-87-9 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040921\  
Data File : VY004360.D  
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Operator : SY/MD  
Sample : M1983-03  
Misc : 2.57G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
41019

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032921S.M  
Quant Title : SW846 8260

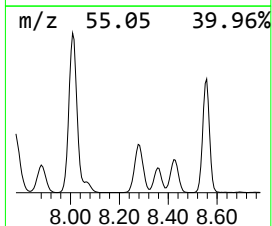
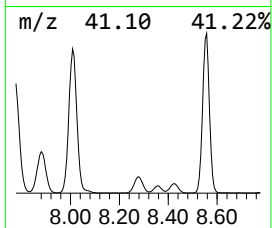
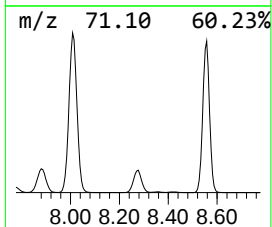
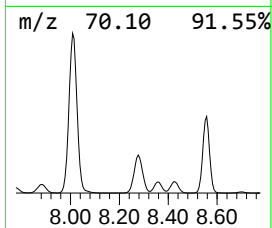
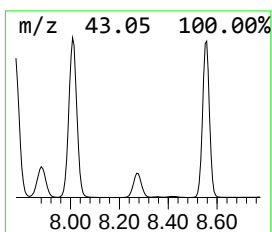
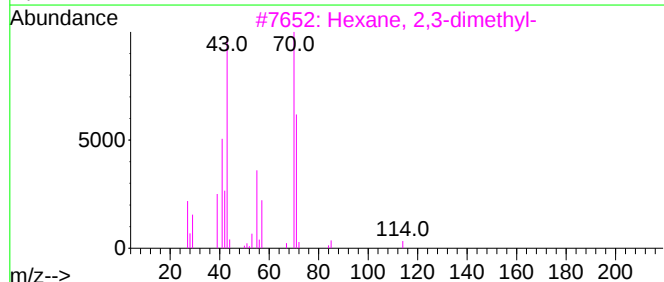
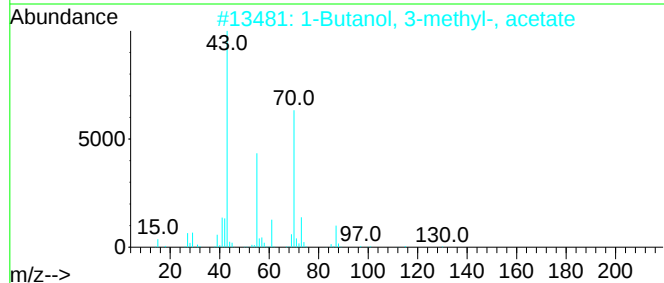
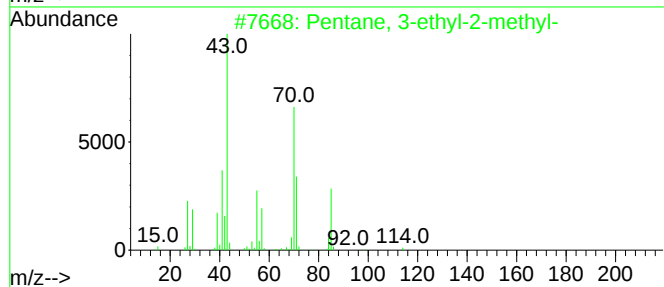
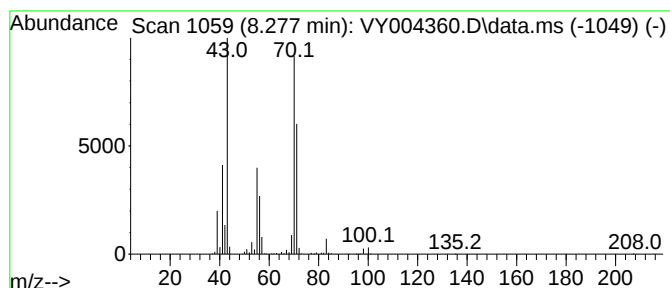
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Pentane, 3-ethyl-2-methyl- Concentration Rank 6

| R.T.  | EstConc   | Area    | Relative to ISTD    | R.T.  |
|-------|-----------|---------|---------------------|-------|
| 8.277 | 9.75 ug/l | 2420020 | 1,4-Difluorobenzene | 8.697 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentane, 3-ethyl-2-methyl-    | 114 | C8H18   | 000609-26-7 | 56   |
| 2    |    |   | 1-Butanol, 3-methyl-, acetate | 130 | C7H14O2 | 000123-92-2 | 50   |
| 3    |    |   | Hexane, 2,3-dimethyl-         | 114 | C8H18   | 000584-94-1 | 50   |
| 4    |    |   | Hexane, 3-methyl-             | 100 | C7H16   | 000589-34-4 | 47   |
| 5    |    |   | Pentane, 3-ethyl-             | 100 | C7H16   | 000617-78-7 | 47   |



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Sample : M1983-03  
Misc : 2.57G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
41019

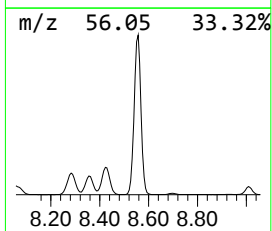
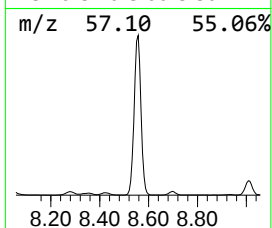
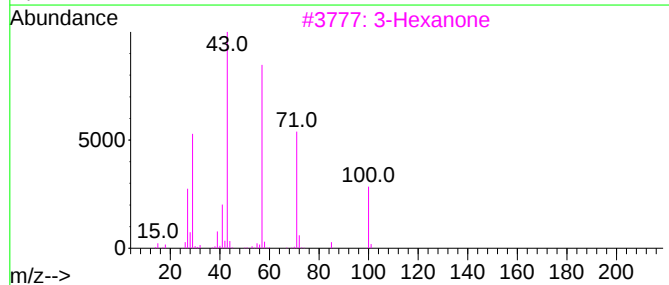
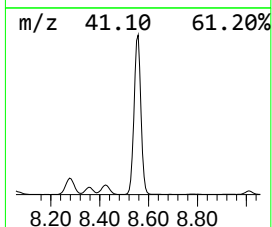
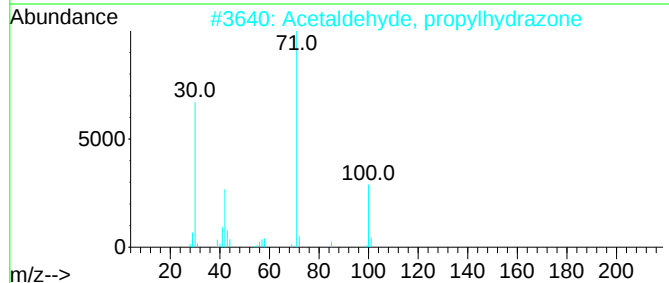
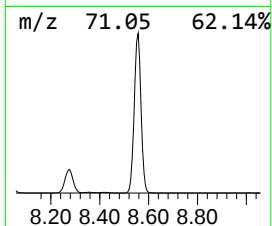
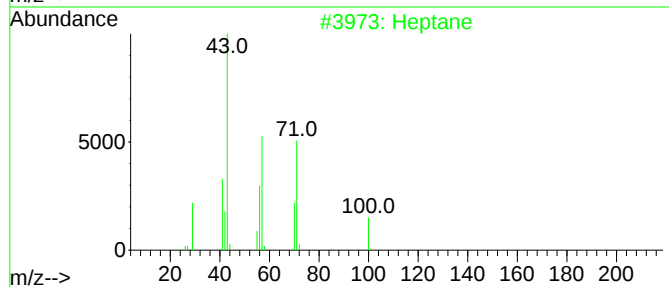
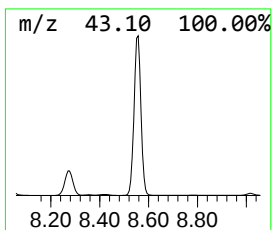
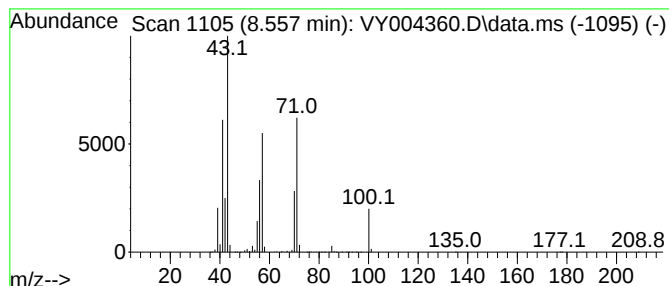
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032921S.M  
Quant Title : SW846 8260

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

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Peak Number 4 Heptane Concentration Rank 3

| R.T.  | EstConc    | Area     | Relative to ISTD    | R.T.  |
|-------|------------|----------|---------------------|-------|
| 8.557 | 50.00 ug/l | 12410800 | 1,4-Difluorobenzene | 8.697 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptane                       | 100 | C7H16   | 000142-82-5 | 91   |
| 2    |    |   | Acetaldehyde, propylhydrazone | 100 | C5H12N2 | 007422-88-0 | 49   |
| 3    |    |   | 3-Hexanone                    | 100 | C6H12O  | 000589-38-8 | 46   |
| 4    |    |   | Hexane, 3-methyl-             | 100 | C7H16   | 000589-34-4 | 40   |
| 5    |    |   | Hexane, 2,3-dimethyl-         | 114 | C8H18   | 000584-94-1 | 38   |



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Instrument :  
MSVOA\_Y  
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41019

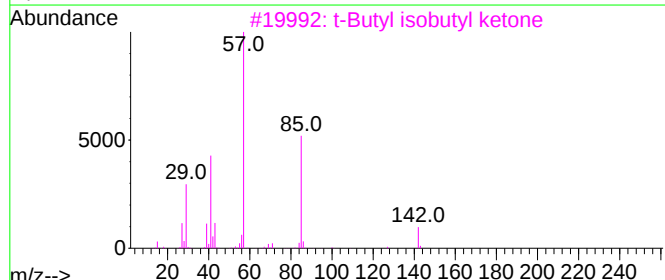
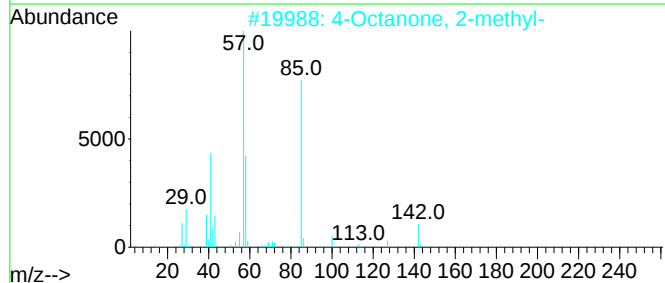
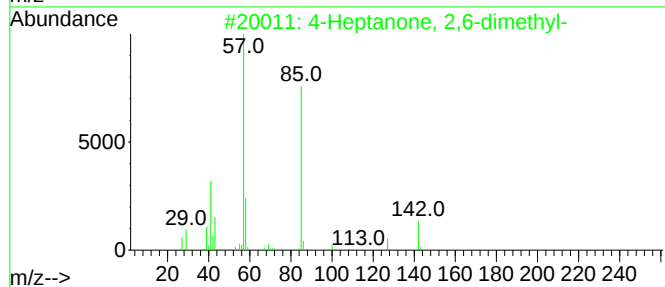
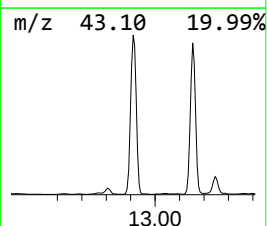
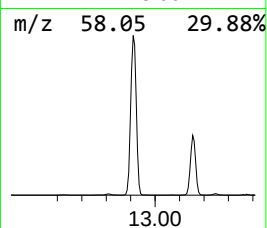
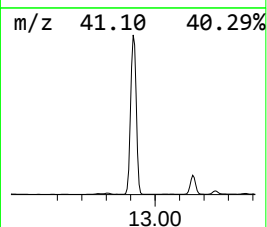
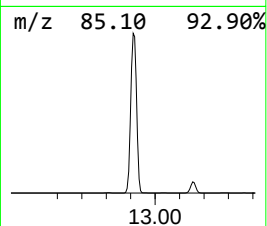
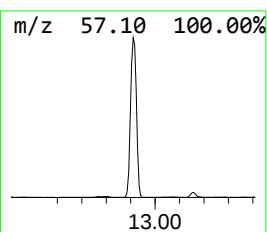
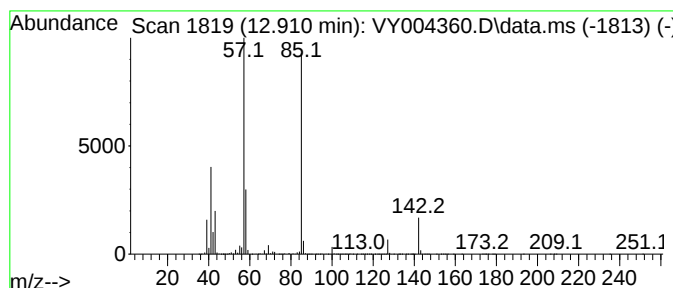
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032921S.M  
Quant Title : SW846 8260

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

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Peak Number 5 4-Heptanone, 2,6-dimethyl- Concentration Rank 1

| R.T.   | EstConc      | Area     | Relative to ISTD       | R.T.   |
|--------|--------------|----------|------------------------|--------|
| 12.910 | 1383.32 ug/l | 39666900 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------------|-----|---------|-------------|------|
| 1    |      | 4-Heptanone, 2,6-dimethyl-  | 142 | C9H18O  | 000108-83-8 | 94   |
| 2    |      | 4-Octanone, 2-methyl-       | 142 | C9H18O  | 007492-38-8 | 64   |
| 3    |      | t-Butyl isobutyl ketone     | 142 | C9H18O  | 014705-50-1 | 59   |
| 4    |      | 3-Buten-2-ol, 2,3-dimethyl- | 100 | C6H12O  | 010473-13-9 | 59   |
| 5    |      | 5-Nonanone                  | 142 | C9H18O  | 000502-56-7 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040921\  
Data File : VY004360.D  
Acq On : 09 Apr 2021 16:09  
Operator : SY/MD  
Sample : M1983-03  
Misc : 2.57G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
41019

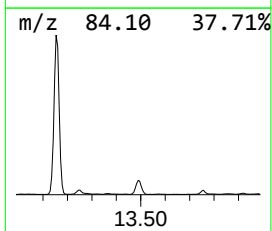
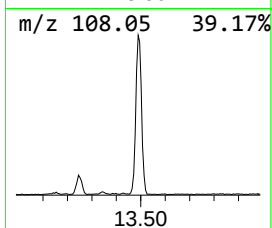
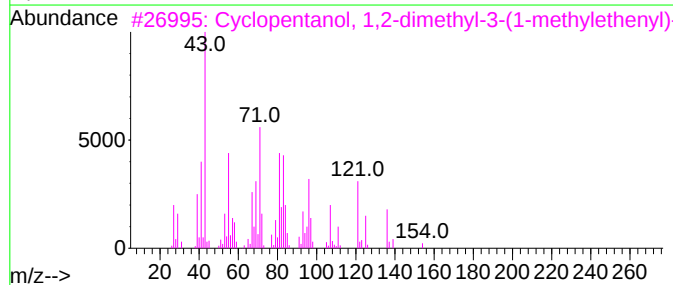
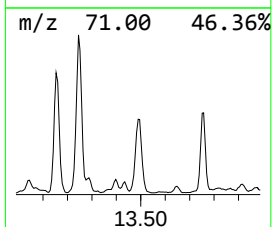
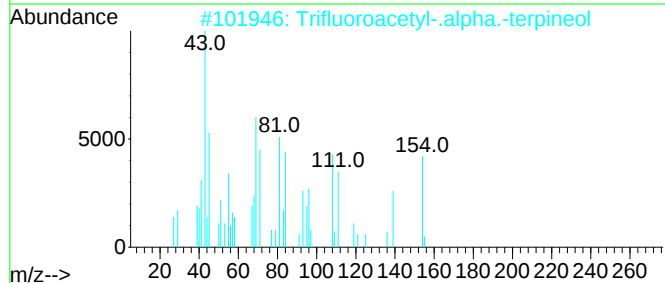
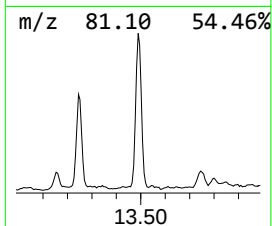
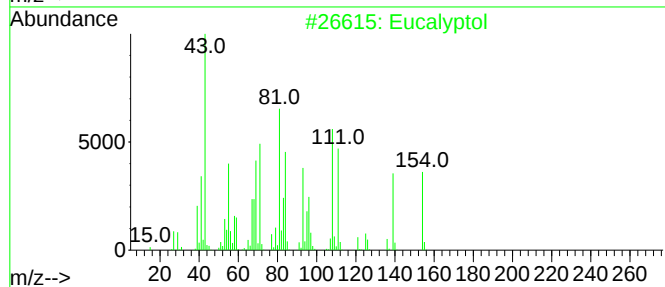
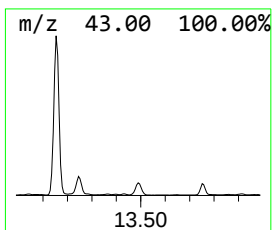
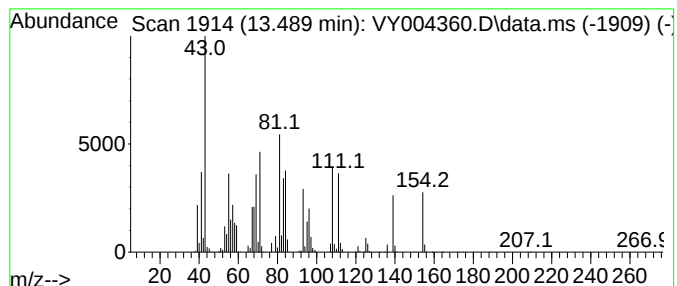
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032921S.M  
Quant Title : SW846 8260

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

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Peak Number 6 Eucalyptol Concentration Rank 4

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 13.489 | 50.00 ug/l | 1433760 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                                    | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Eucalyptol                                      | 154 | C10H18O    | 000470-82-6  | 98   |
| 2    |    |   | Trifluoroacetyl-.alpha.-terpineol               | 250 | C12H17F3O2 | 1000058-17-6 | 45   |
| 3    |    |   | Cyclopentanol, 1,2-dimethyl-3-(1-methylethenyl) | 154 | C10H18O    | 004028-60-8  | 27   |
| 4    |    |   | 2-Isopropyl-5-methylhex-2-enal                  | 154 | C10H18O    | 035158-25-9  | 27   |
| 5    |    |   | 3-Hepten-2-one, 3-propyl-                       | 154 | C10H18O    | 032064-69-0  | 25   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040921\  
Data File : VY004360.D  
Acq On : 09 Apr 2021 16:09  
Operator : SY/MD  
Sample : M1983-03  
Misc : 2.57G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
41019

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032921S.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 |
| Pentane, 2,3-di... | 7.880  | 15.9    | ug/l  | 3951630  | 1                     | 7.801  | 12423400 | 50.0 |
| Hexane, 3-methyl-  | 8.008  | 63.4    | ug/l  | 15743900 | 1                     | 7.801  | 12423400 | 50.0 |
| Pentane, 3-ethy... | 8.277  | 9.8     | ug/l  | 2420020  | 2                     | 8.697  | 12410800 | 50.0 |
| Heptane            | 8.557  | 50.0    | ug/l  | 12410800 | 2                     | 8.697  | 12410800 | 50.0 |
| 4-Heptanone, 2,... | 12.910 | 1383.3  | ug/l  | 39666900 | 4                     | 13.428 | 1433760  | 50.0 |
| Eucalyptol         | 13.489 | 50.0    | ug/l  | 1433760  | 4                     | 13.428 | 1433760  | 50.0 |