

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121718\  
 Data File : VW007543.D  
 Acq On : 14 Dec 2018 18:36  
 Operator : SY/AP  
 Sample : J6347-04  
 Misc : 4.68G/5ML/MSVOA W/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-SD002-0006-01

## 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\_W\METHOD\82W121118S.M  
 Title : SW846 8260

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.958       | 476           | 501         | 533          | rBV      | 574728         | 2334566       | 3.08%           | 2.252%        |
| 2         | 5.434       | 561           | 579         | 612          | rBV      | 786929         | 2994066       | 3.95%           | 2.888%        |
| 3         | 5.940       | 646           | 662         | 680          | rBV      | 1834170        | 5686876       | 7.50%           | 5.486%        |
| 4         | 6.982       | 820           | 833         | 853          | rVB      | 1860232        | 5787315       | 7.64%           | 5.583%        |
| 5         | 7.952       | 972           | 992         | 1002         | rBV4     | 403254         | 1306284       | 1.72%           | 1.260%        |
| 6         | 9.335       | 1205          | 1219        | 1233         | rBV      | 609032         | 1317247       | 1.74%           | 1.271%        |
| 7         | 11.658      | 1589          | 1600        | 1607         | rBV2     | 584395         | 1118965       | 1.48%           | 1.079%        |
| 8         | 11.847      | 1621          | 1631        | 1643         | rBV      | 34844400       | 75780941      | 100.00%         | 73.100%       |
| 9         | 12.615      | 1750          | 1757        | 1767         | rVB      | 1020498        | 1737370       | 2.29%           | 1.676%        |
| 10        | 12.871      | 1793          | 1799        | 1805         | rBV      | 748657         | 1150810       | 1.52%           | 1.110%        |
| 11        | 13.256      | 1856          | 1862        | 1868         | rBV      | 1246665        | 1909743       | 2.52%           | 1.842%        |
| 12        | 13.585      | 1908          | 1916        | 1926         | rVB2     | 859985         | 1541061       | 2.03%           | 1.487%        |
| 13        | 14.079      | 1989          | 1997        | 2006         | rVB3     | 451583         | 1002595       | 1.32%           | 0.967%        |

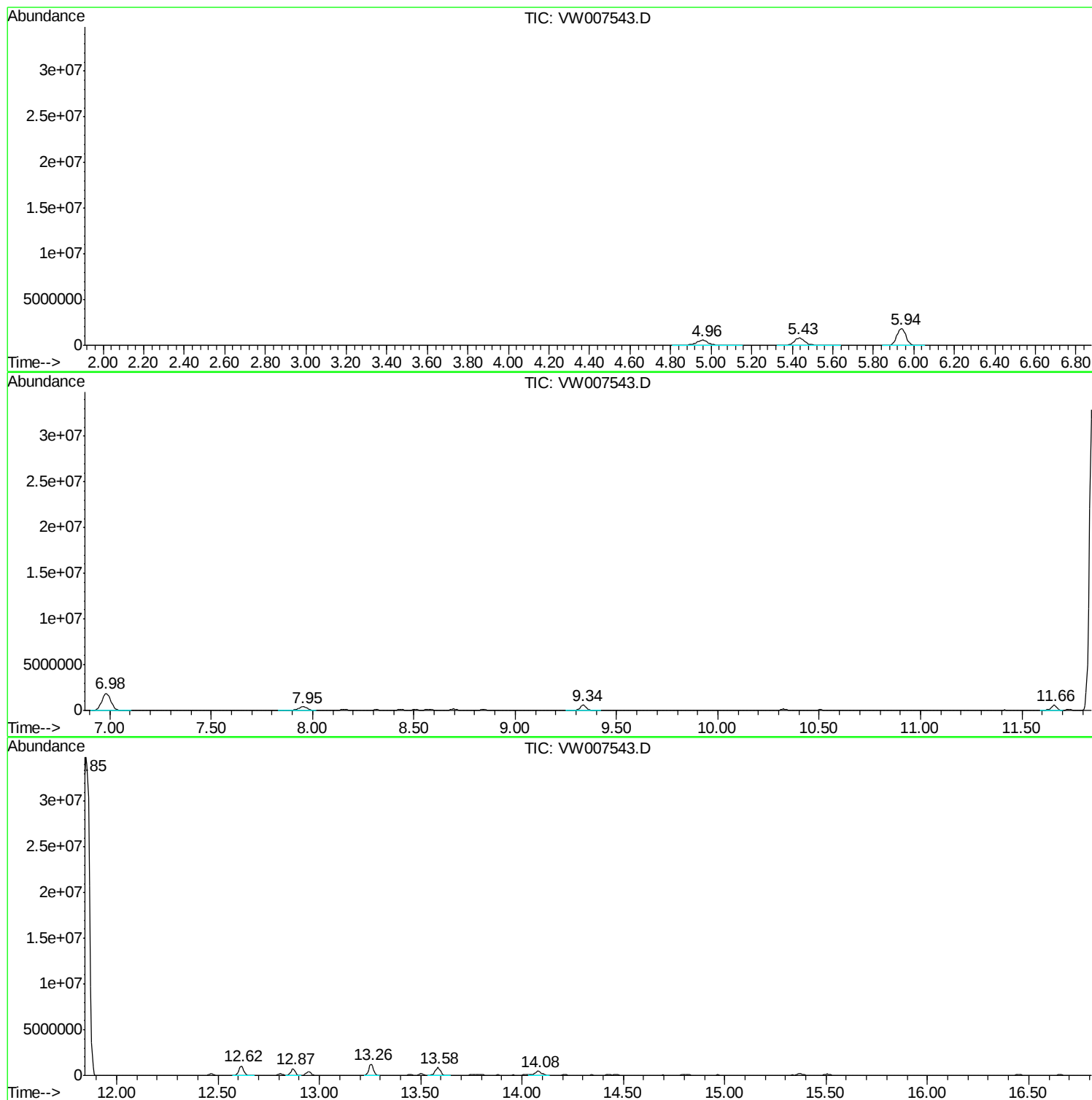
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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
P001-SD002-0006-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
Quant Title : SW846 8260

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



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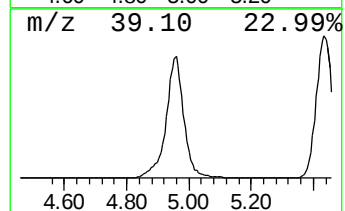
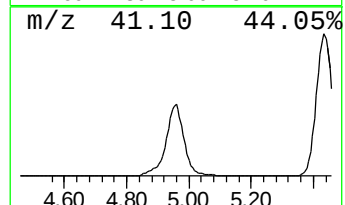
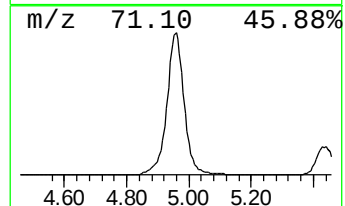
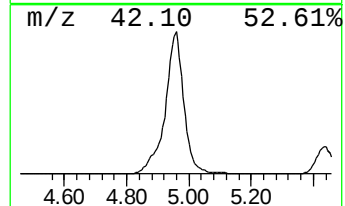
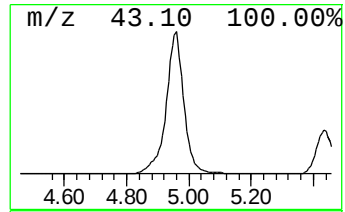
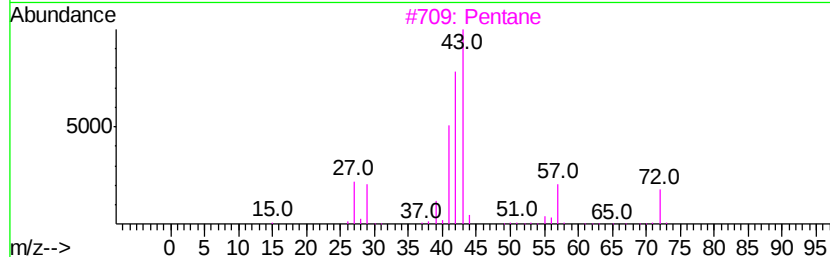
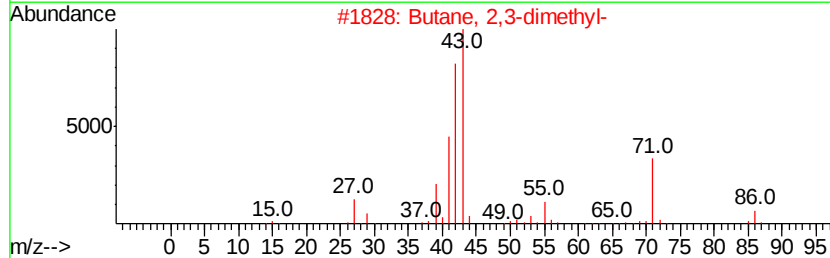
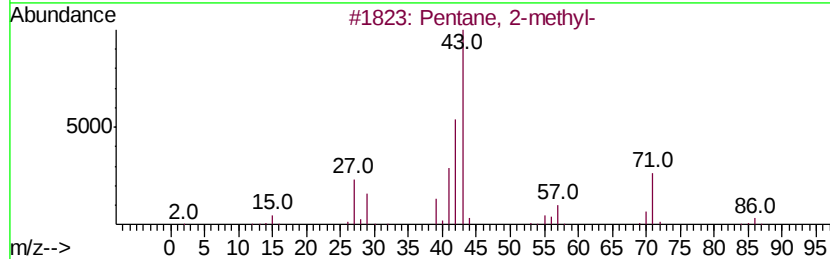
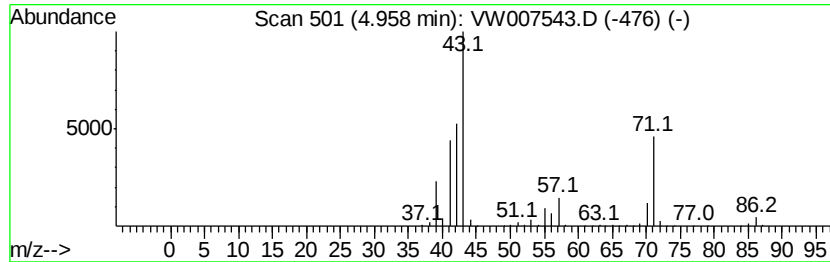
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Pentane, 2-methyl- Concentration Rank 4

| R.T. | EstConc    | Area    | Relative to ISTD   | R.T. |
|------|------------|---------|--------------------|------|
| 4.96 | 89.36 ug/l | 2334570 | Pentafluorobenzene | 7.95 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2-methyl-       | 86  | C6H14   | 000107-83-5 | 90   |
| 2    |    | Butane, 2,3-dimethyl-    | 86  | C6H14   | 000079-29-8 | 49   |
| 3    |    | Pentane                  | 72  | C5H12   | 000109-66-0 | 43   |
| 4    |    | 1-Butanol, 2,3-dimethyl- | 102 | C6H14O  | 019550-30-2 | 42   |
| 5    |    | Hexane, 2,3-dimethyl-    | 114 | C8H18   | 000584-94-1 | 38   |



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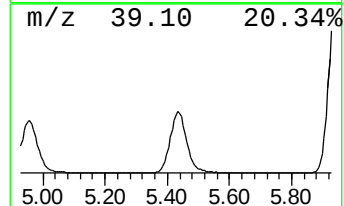
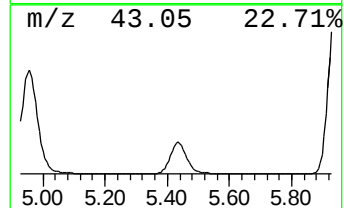
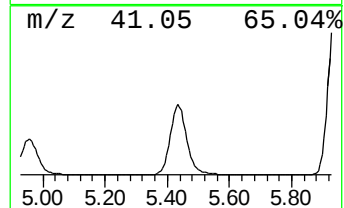
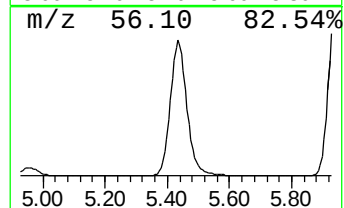
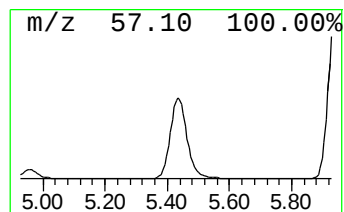
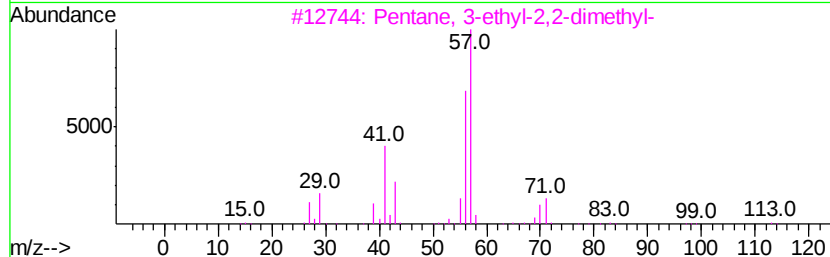
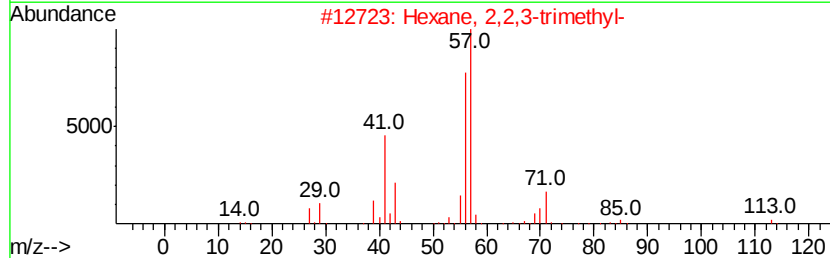
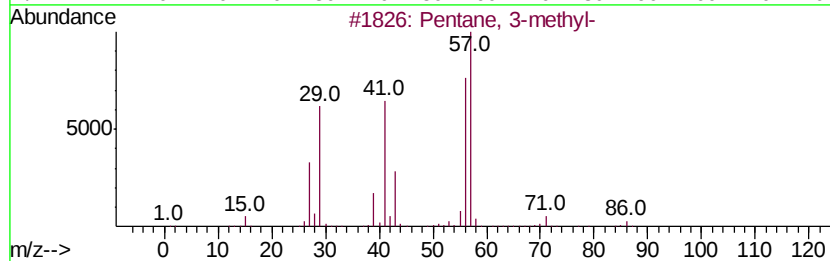
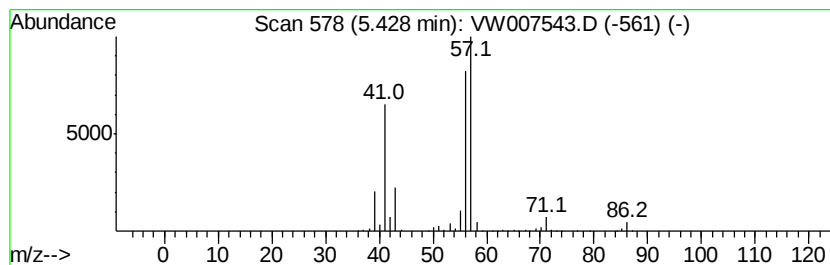
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
Quant Title : SW846 8260

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

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

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 5.43 | 114.60 ug/l | 2994070 | Pentafluorobenzene | 7.95 |

| Hit# | of | Tentative ID                   | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------|-----|----------|-------------|------|
| 1    | 5  | Pentane, 3-methyl-             | 86  | C6H14    | 000096-14-0 | 90   |
| 2    |    | Hexane, 2,2,3-trimethyl-       | 128 | C9H20    | 016747-25-4 | 78   |
| 3    |    | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20    | 016747-32-3 | 43   |
| 4    |    | Butyl isocyanatoacetate        | 157 | C7H11NO3 | 017046-22-9 | 40   |
| 5    |    | 1-Butanol, 2-methyl-           | 88  | C5H12O   | 000137-32-6 | 40   |



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Instrument :  
MSVOA\_W  
ClientSampleId :  
P001-SD002-0006-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
Quant Title : SW846 8260

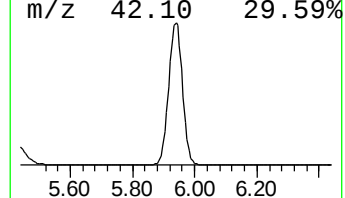
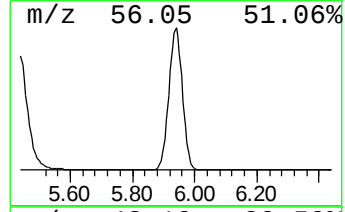
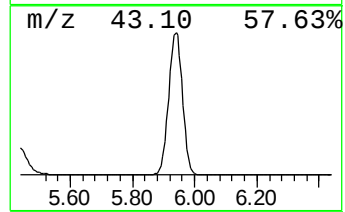
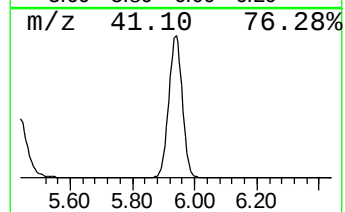
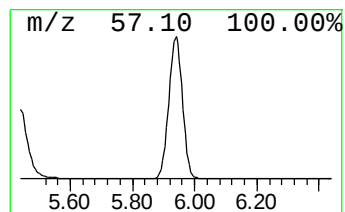
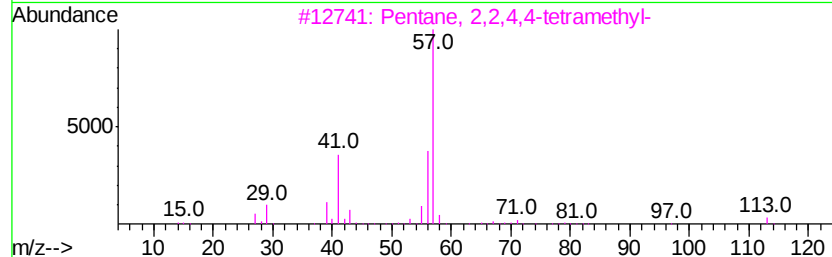
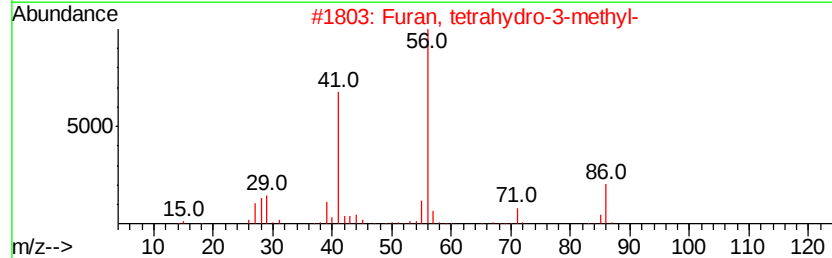
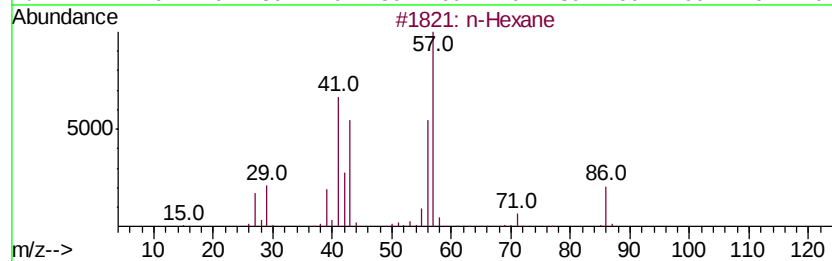
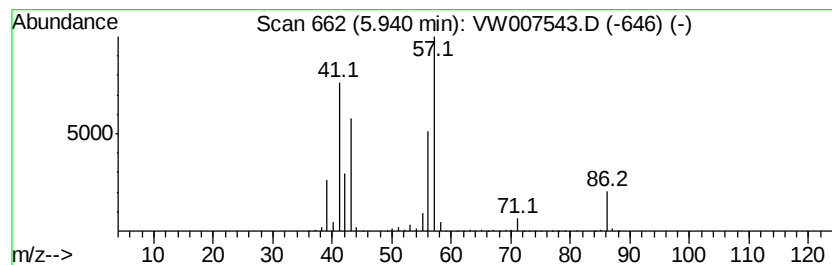
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 n-Hexane Concentration Rank 2

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 5.94 | 217.67 ug/l | 5686880 | Pentafluorobenzene | 7.95 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | n-Hexane                      | 86  | C6H14   | 000110-54-3 | 94   |
| 2    |    | Furan, tetrahydro-3-methyl-   | 86  | C5H10O  | 013423-15-9 | 50   |
| 3    |    | Pentane, 2,2,4,4-tetramethyl- | 128 | C9H20   | 001070-87-7 | 50   |
| 4    |    | Propanal, 2,2-dimethyl-       | 86  | C5H10O  | 000630-19-3 | 43   |
| 5    |    | Butanal, 2-methyl-            | 86  | C5H10O  | 000096-17-3 | 43   |



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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
P001-SD002-0006-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
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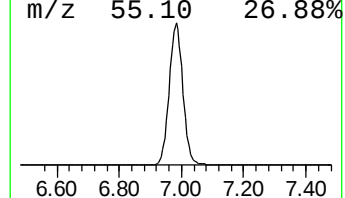
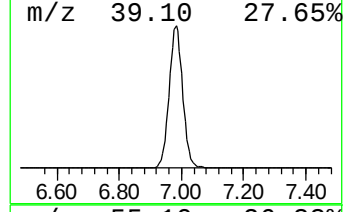
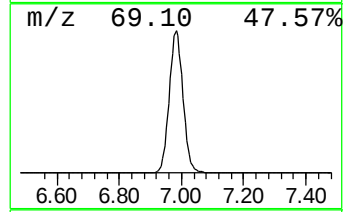
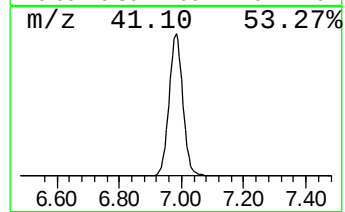
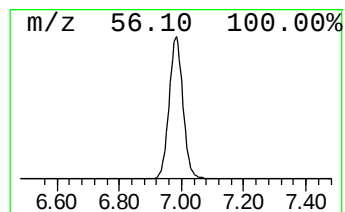
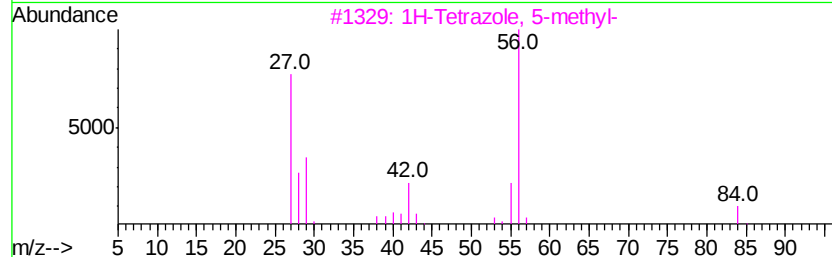
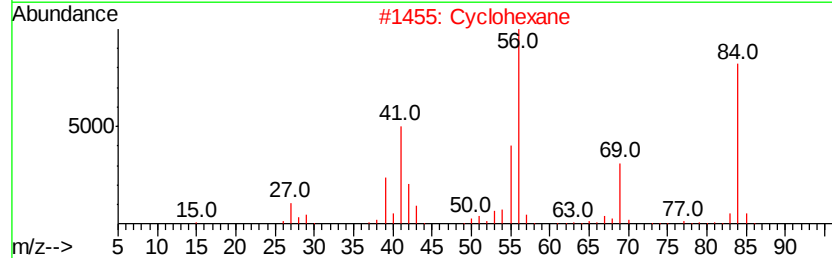
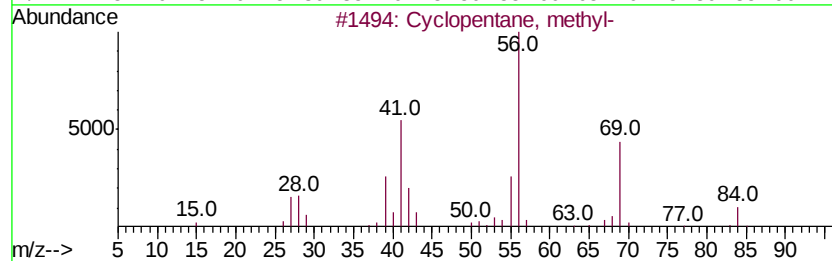
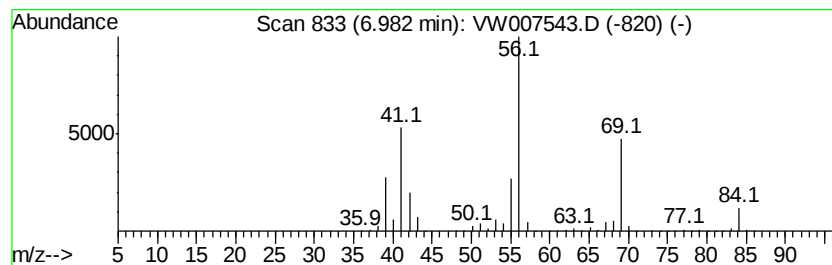
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Cyclopentane, methyl- Concentration Rank 1

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 6.98 | 221.52 ug/l | 5787320 | Pentafluorobenzene | 7.95 |

| Hit# | of | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------|----|---------|-------------|------|
| 1    | 5  | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 94   |
| 2    |    | Cyclohexane             | 84 | C6H12   | 000110-82-7 | 80   |
| 3    |    | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4  | 004076-36-2 | 72   |
| 4    |    | Cyclobutane, ethyl-     | 84 | C6H12   | 004806-61-5 | 59   |
| 5    |    | 1-Pentene, 2-methyl-    | 84 | C6H12   | 000763-29-1 | 50   |



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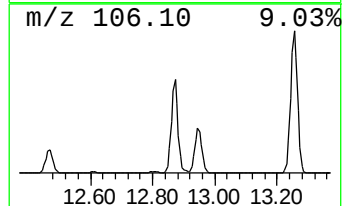
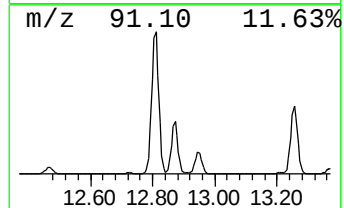
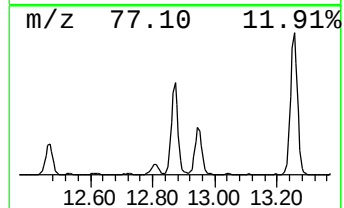
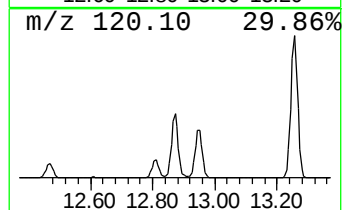
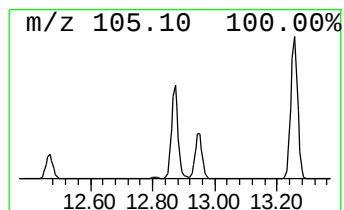
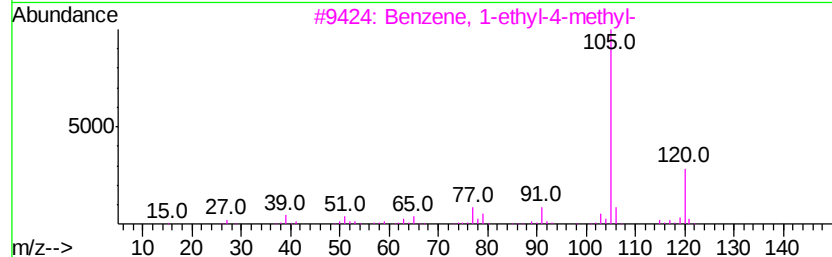
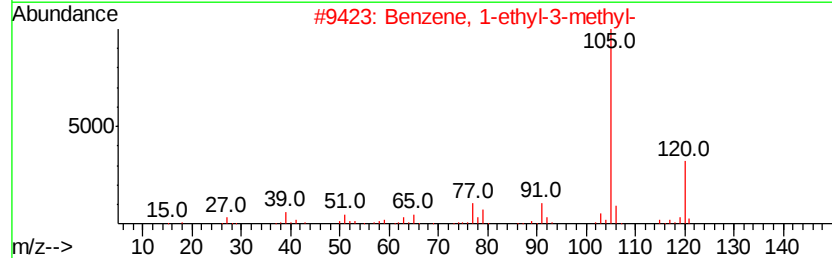
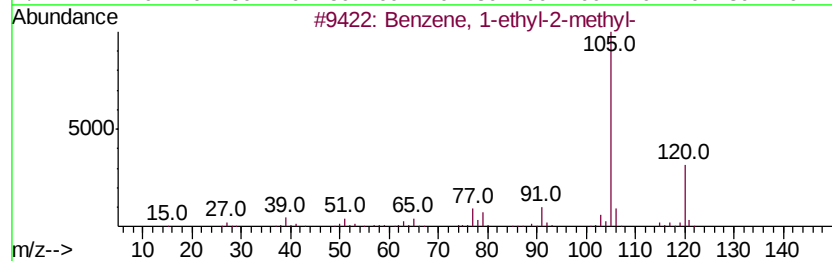
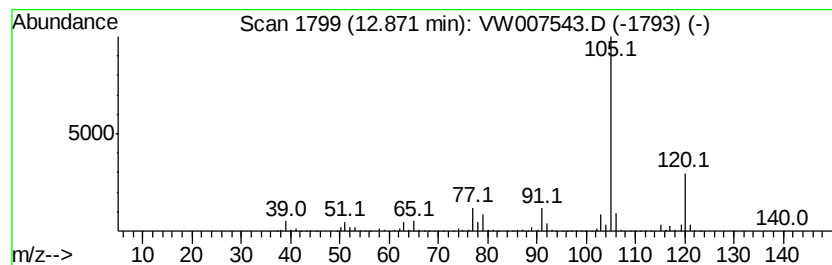
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TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.87 | 37.34 ug/l | 1150810 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 2    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 95   |
| 3    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 4    |    | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |
| 5    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |



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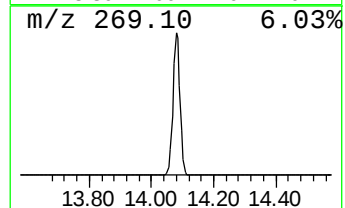
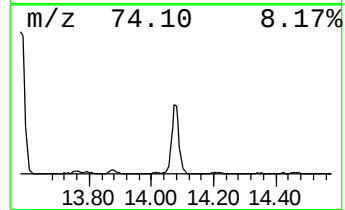
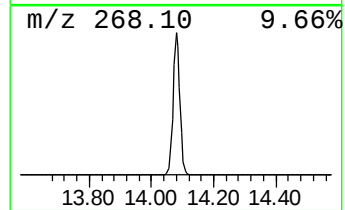
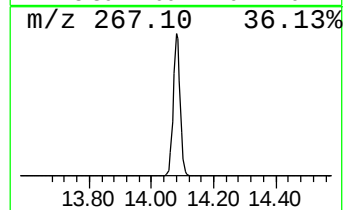
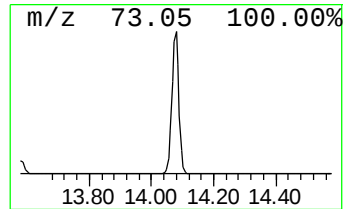
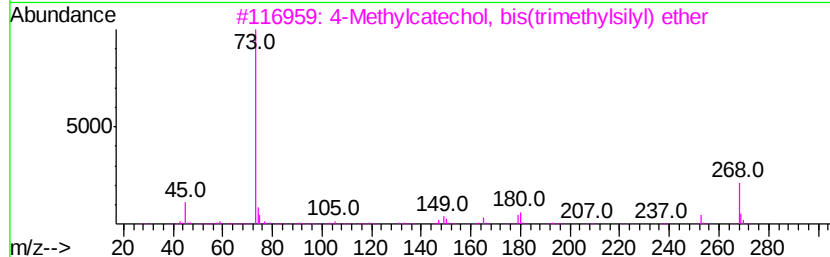
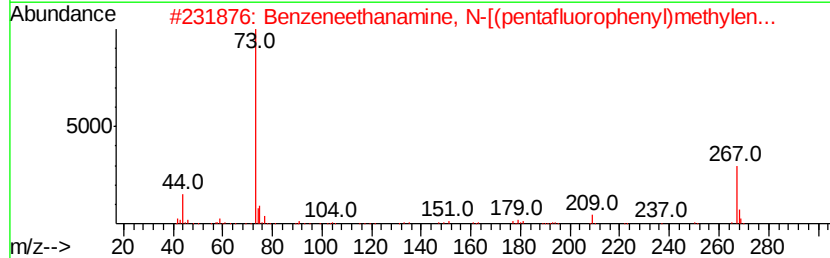
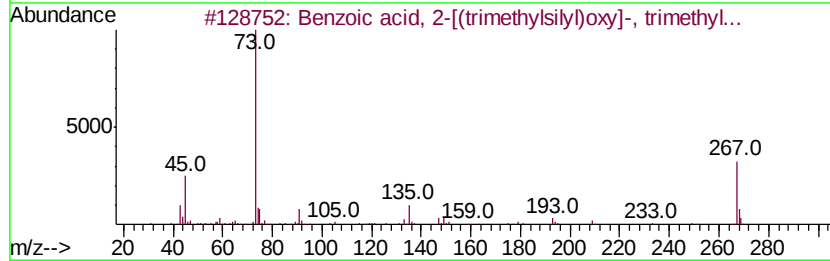
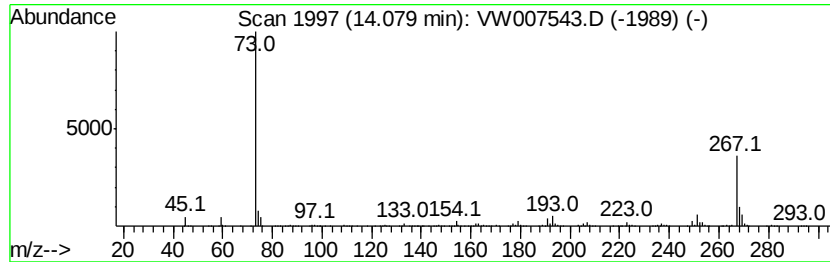
Instrument :  
MSVOA\_W  
ClientSampleId :  
P001-SD002-0006-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 Benzoic acid, 2-[(trimethyl... Concentration Rank 6

| R.T.    | EstConc    | Area                                                    | Relative to ISTD       | R.T.            |
|---------|------------|---------------------------------------------------------|------------------------|-----------------|
| 14.08   | 32.53 ug/l | 1002600                                                 | 1,4-Dichlorobenzene-d4 | 13.56           |
| Hit# of | 5          | Tentative ID                                            | MW MolForm             | CAS# Qual       |
| 1       |            | Benzoic acid, 2-[(trimethylsilyl)oxy]-, trimethyl...    | 282 C13H22O3Si2        | 003789-85-3 50  |
| 2       |            | Benzenethanamine, N-[(pentafluorophenyl)methyl]...      | 475 C21H26F5N02Si2     | 055429-85-1 45  |
| 3       |            | 4-Methylcatechol, bis(trimethylsilyl) ether             | 268 C13H24O2Si2        | 1000332-79-9 10 |
| 4       |            | Silane, (2-ethyl-3,3-dimethyl-4-(trimethylsilyl)oxy)... | 208 C13H24Si           | 095798-13-3 9   |
| 5       |            | 1,3,5-Cycloheptatriene, 7-methyl...                     | 254 C17H22Si           | 1000160-93-0 9  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121718\  
Data File : VW007543.D  
Acq On : 14 Dec 2018 18:36  
Operator : SY/AP  
Sample : J6347-04  
Misc : 4.68G/5ML/MSVOA\_W/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
P001-SD002-0006-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.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-methyl-   | 4.96  | 89.4    | ug/l  | 2334570  | 1                     | 7.95  | 1306280 | 50.0 |
| Pentane, 3-methyl-   | 5.43  | 114.6   | ug/l  | 2994070  | 1                     | 7.95  | 1306280 | 50.0 |
| n-Hexane             | 5.94  | 217.7   | ug/l  | 5686880  | 1                     | 7.95  | 1306280 | 50.0 |
| Cyclopentane, met... | 6.98  | 221.5   | ug/l  | 5787320  | 1                     | 7.95  | 1306280 | 50.0 |
| Benzene, 1-ethyl-... | 12.87 | 37.3    | ug/l  | 1150810  | 4                     | 13.56 | 1541060 | 50.0 |
| Benzoic acid, 2-[... | 14.08 | 32.5    | ug/l  | 1002600  | 4                     | 13.56 | 1541060 | 50.0 |