

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060120\  
 Data File : VV016403.D  
 Acq On : 01 Jun 2020 11:37  
 Operator : SY/MD  
 Sample : L2826-10DL 10X  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 CWKC3DL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR053020WMA.M

Title : TRACE VOA SOM01.0

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.132       | 8             | 13          | 25           | rVB      | 5596           | 7488          | 2.28%           | 0.263%        |
| 2         | 1.222       | 35            | 41          | 47           | rBV      | 9218           | 9289          | 2.82%           | 0.327%        |
| 3         | 1.325       | 62            | 73          | 88           | rVB      | 25440          | 52279         | 15.89%          | 1.839%        |
| 4         | 1.489       | 102           | 124         | 125          | rBV3     | 17219          | 43706         | 13.28%          | 1.538%        |
| 5         | 1.811       | 217           | 224         | 234          | rVB      | 31828          | 40942         | 12.44%          | 1.440%        |
| 6         | 2.110       | 308           | 317         | 327          | rBV      | 58092          | 88693         | 26.95%          | 3.120%        |
| 7         | 2.743       | 509           | 514         | 525          | rVB      | 10236          | 16058         | 4.88%           | 0.565%        |
| 8         | 3.010       | 588           | 597         | 610          | rVB4     | 6946           | 14375         | 4.37%           | 0.506%        |
| 9         | 3.917       | 862           | 879         | 915          | rBV2     | 80108          | 296376        | 90.06%          | 10.427%       |
| 10        | 4.367       | 1002          | 1019        | 1062         | rVB3     | 40040          | 147640        | 44.86%          | 5.194%        |
| 11        | 5.055       | 1217          | 1233        | 1266         | rBV2     | 134213         | 329101        | 100.00%         | 11.578%       |
| 12        | 5.495       | 1361          | 1370        | 1384         | rVB4     | 3160           | 6476          | 1.97%           | 0.228%        |
| 13        | 5.630       | 1398          | 1412        | 1443         | rBV2     | 88012          | 205330        | 62.39%          | 7.224%        |
| 14        | 5.852       | 1466          | 1481        | 1482         | rBV4     | 1953           | 3749          | 1.14%           | 0.132%        |
| 15        | 5.929       | 1493          | 1505        | 1523         | rVB3     | 17117          | 37004         | 11.24%          | 1.302%        |
| 16        | 6.090       | 1542          | 1555        | 1584         | rVB      | 59662          | 145105        | 44.09%          | 5.105%        |
| 17        | 6.322       | 1619          | 1627        | 1630         | rBV4     | 2646           | 3513          | 1.07%           | 0.124%        |
| 18        | 7.007       | 1829          | 1840        | 1864         | rBV2     | 22943          | 52187         | 15.86%          | 1.836%        |
| 19        | 7.335       | 1930          | 1942        | 1967         | rBV      | 125666         | 257781        | 78.33%          | 9.069%        |
| 20        | 7.515       | 1983          | 1998        | 2003         | rBV6     | 8060           | 21845         | 6.64%           | 0.769%        |
| 21        | 7.643       | 2030          | 2038        | 2063         | rVB2     | 13439          | 30877         | 9.38%           | 1.086%        |
| 22        | 8.138       | 2174          | 2192        | 2194         | rBV3     | 24189          | 45679         | 13.88%          | 1.607%        |
| 23        | 8.183       | 2197          | 2206        | 2226         | rVB2     | 30347          | 129545        | 39.36%          | 4.558%        |
| 24        | 8.325       | 2241          | 2250        | 2255         | rBV6     | 26070          | 54225         | 16.48%          | 1.908%        |
| 25        | 8.878       | 2410          | 2422        | 2461         | rBV      | 94503          | 244147        | 74.19%          | 8.589%        |
| 26        | 9.585       | 2634          | 2642        | 2652         | rBV8     | 1694           | 3903          | 1.19%           | 0.137%        |
| 27        | 9.897       | 2710          | 2739        | 2762         | rBV6     | 22392          | 101686        | 30.90%          | 3.577%        |
| 28        | 10.264      | 2837          | 2853        | 2867         | rBV      | 33776          | 70831         | 21.52%          | 2.492%        |
| 29        | 10.746      | 2992          | 3003        | 3014         | rBV2     | 6633           | 10595         | 3.22%           | 0.373%        |
| 30        | 10.807      | 3014          | 3022        | 3035         | rVV4     | 4430           | 7931          | 2.41%           | 0.279%        |
| 31        | 11.196      | 3128          | 3143        | 3158         | rBV4     | 9808           | 21883         | 6.65%           | 0.770%        |
| 32        | 11.280      | 3158          | 3169        | 3187         | rVB2     | 86531          | 146979        | 44.66%          | 5.171%        |
| 33        | 11.569      | 3249          | 3259        | 3275         | rBV3     | 5479           | 11272         | 3.43%           | 0.397%        |
| 34        | 11.656      | 3275          | 3286        | 3301         | rVB      | 78986          | 131441        | 39.94%          | 4.624%        |

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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
CWKC3DL

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\_V\METHOD\SOMVTR053020WMA.M  
Title : TRACE VOA SOM01.0

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 35 | 12.039 | 3394 | 3405 | 3419 | rBV5 | 7343  | 13148 | 4.00% | 0.463% |
| 36 | 12.376 | 3501 | 3510 | 3523 | rBV3 | 12376 | 19933 | 6.06% | 0.701% |
| 37 | 13.164 | 3745 | 3755 | 3765 | rBV3 | 6413  | 9901  | 3.01% | 0.348% |
| 38 | 13.534 | 3860 | 3870 | 3880 | rVB2 | 6213  | 9488  | 2.88% | 0.334% |

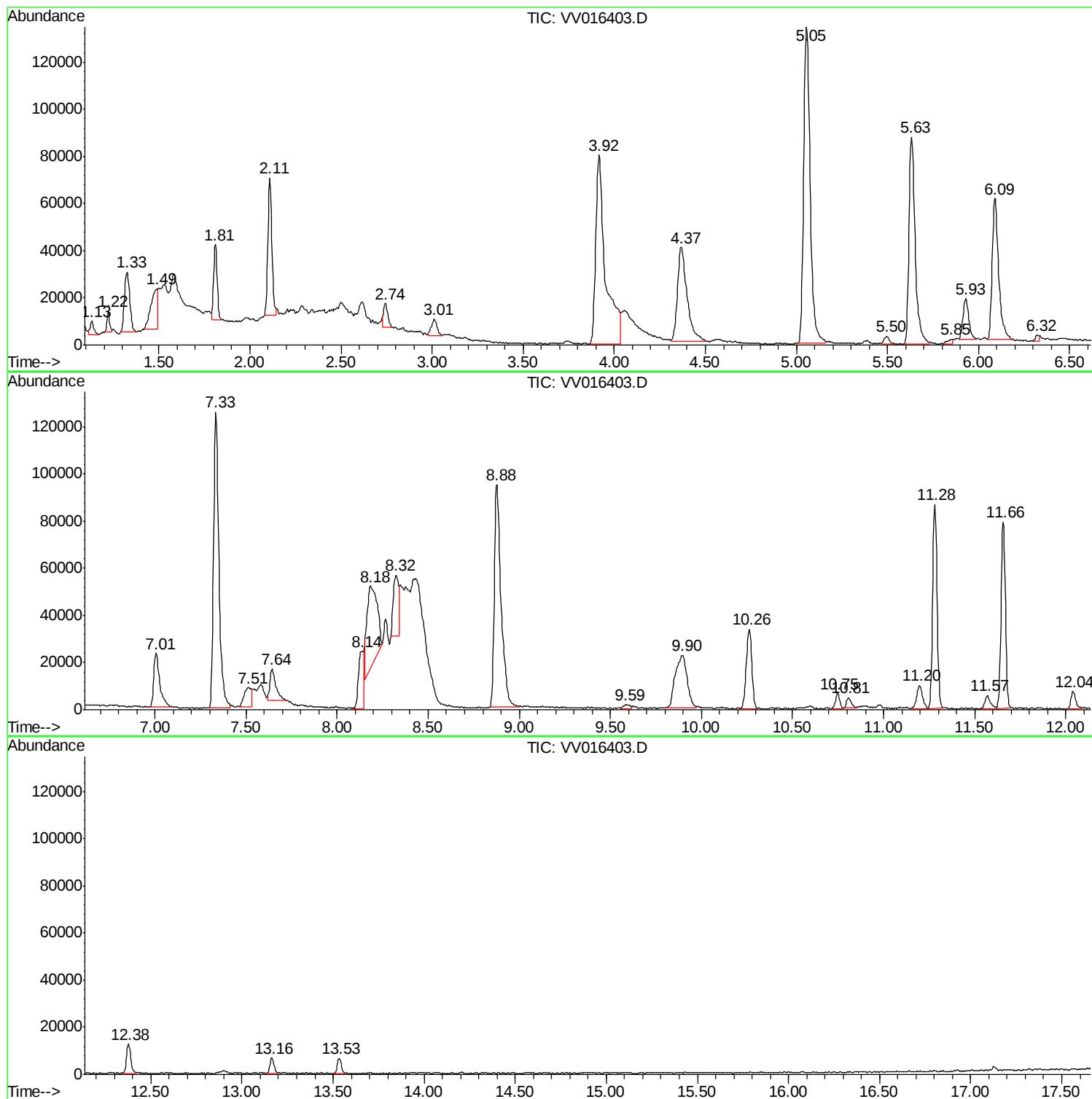
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV060120\  
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Instrument :  
MSVOA\_V  
ClientSampled :  
CWKC3DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR053020WMA.M  
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV060120\  
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Instrument :  
MSVOA\_V  
ClientSampleId :  
CWKC3DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR053020WMA.M  
Quant Title : TRACE VOA SOM01.0

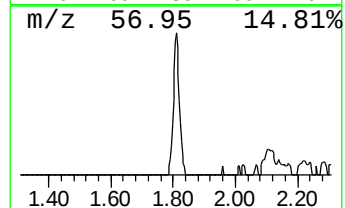
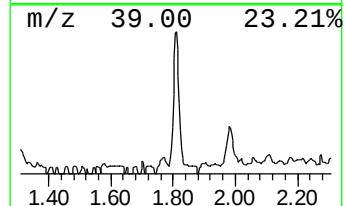
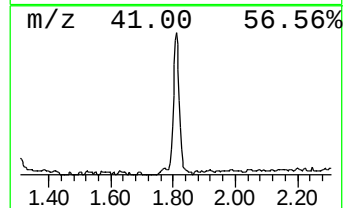
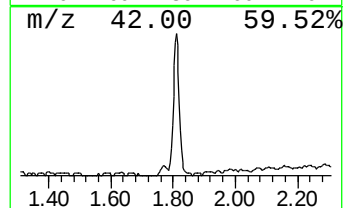
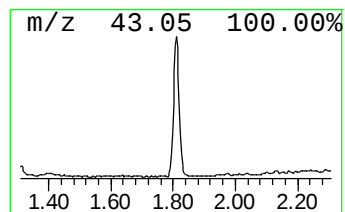
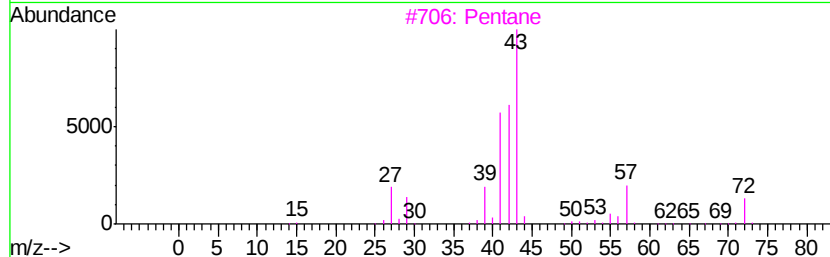
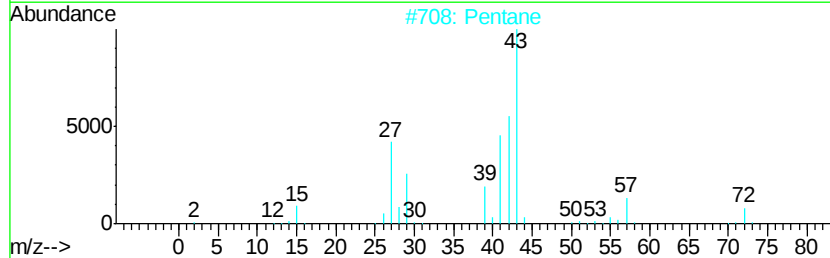
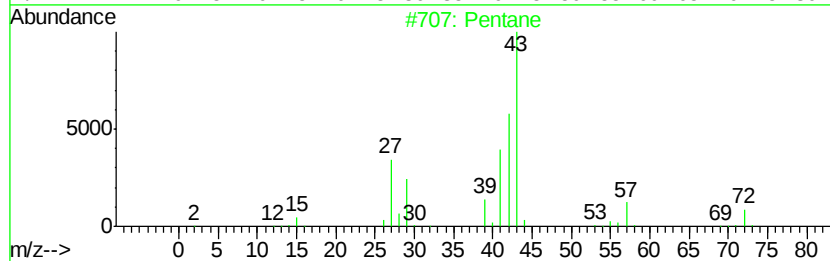
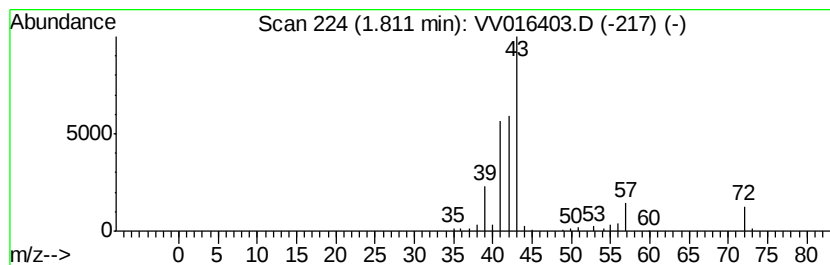
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 1.81 | 1.00 ug/L | 40942 | 1,4-Difluorobenzene | 5.63 |

| Hit# | of              | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|-----------------|---|--------------|----|---------|-------------|------|
| 1    | Pentane         |   |              | 72 | C5H12   | 000109-66-0 | 86   |
| 2    | Pentane         |   |              | 72 | C5H12   | 000109-66-0 | 86   |
| 3    | Pentane         |   |              | 72 | C5H12   | 000109-66-0 | 72   |
| 4    | Pentane         |   |              | 72 | C5H12   | 000109-66-0 | 64   |
| 5    | Oxirane, ethyl- |   |              | 72 | C4H8O   | 000106-88-7 | 50   |



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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
CWKC3DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR053020WMA.M  
Quant Title : TRACE VOA SOM01.0

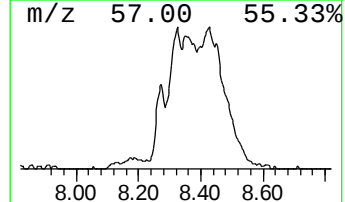
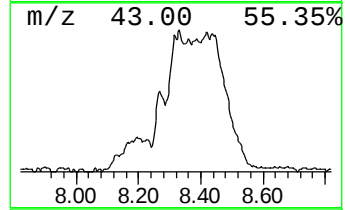
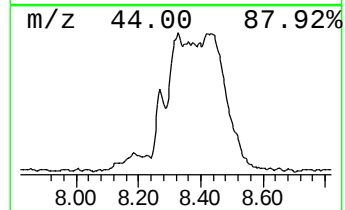
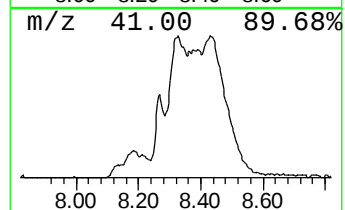
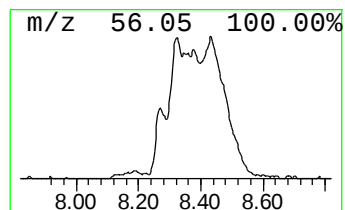
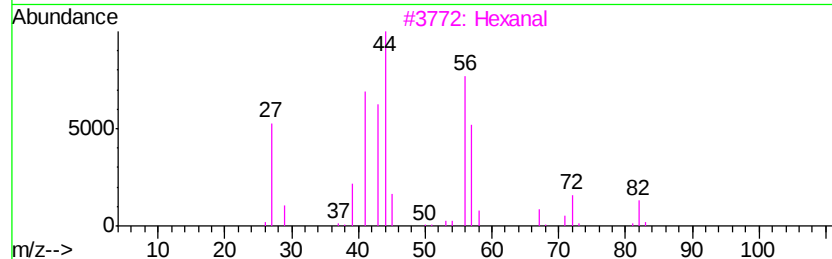
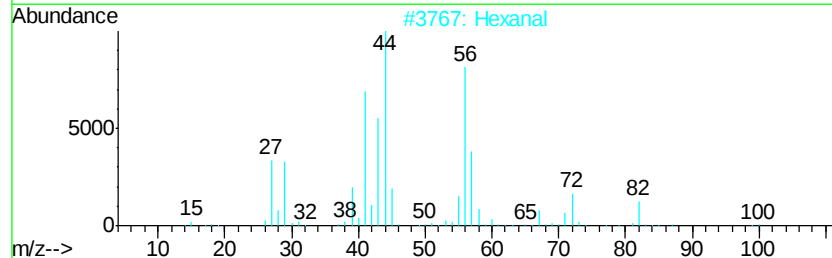
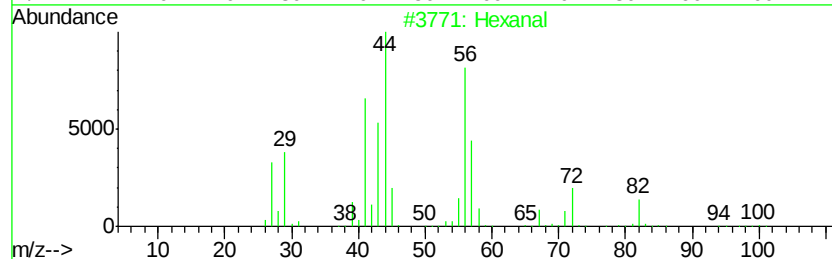
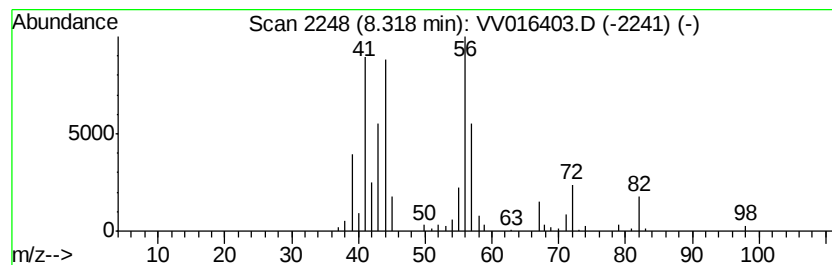
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Hexanal Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD | R.T. |
|------|-----------|-------|------------------|------|
| 8.32 | 1.11 ug/L | 54225 | Chlorobenzene-d5 | 8.87 |

| Hit# of | 5              | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|----------------|--------------|-----|---------|-------------|------|
| 1       | Hexanal        |              | 100 | C6H12O  | 000066-25-1 | 90   |
| 2       | Hexanal        |              | 100 | C6H12O  | 000066-25-1 | 83   |
| 3       | Hexanal        |              | 100 | C6H12O  | 000066-25-1 | 72   |
| 4       | Hexanal        |              | 100 | C6H12O  | 000066-25-1 | 59   |
| 5       | Glutaraldehyde |              | 100 | C5H8O2  | 000111-30-8 | 37   |



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Sample : L2826-10DL 10X  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
CWKC3DL

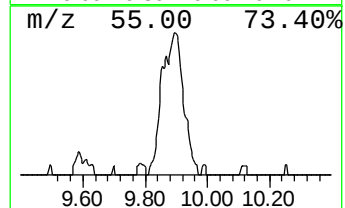
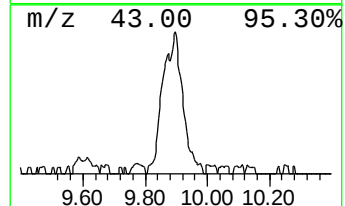
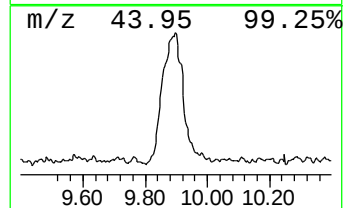
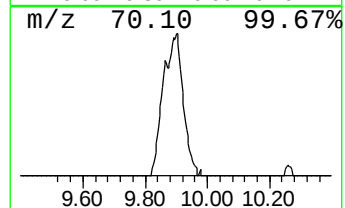
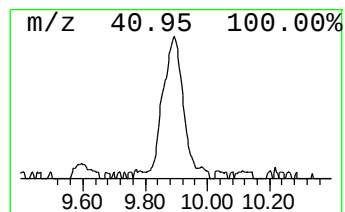
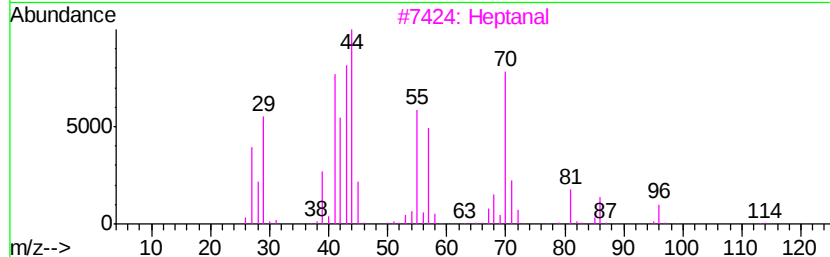
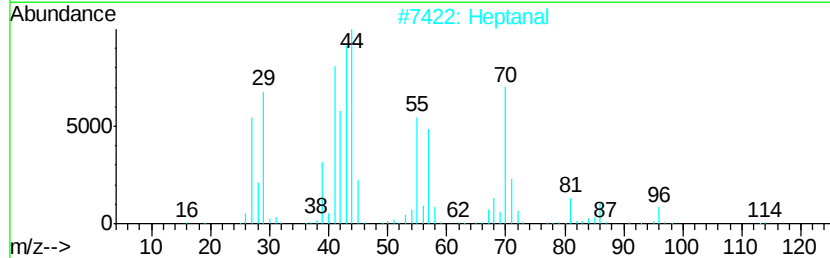
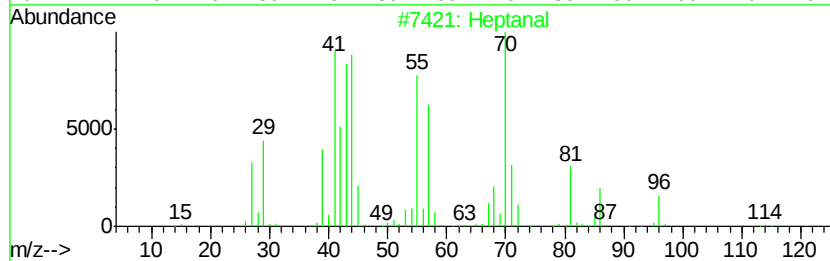
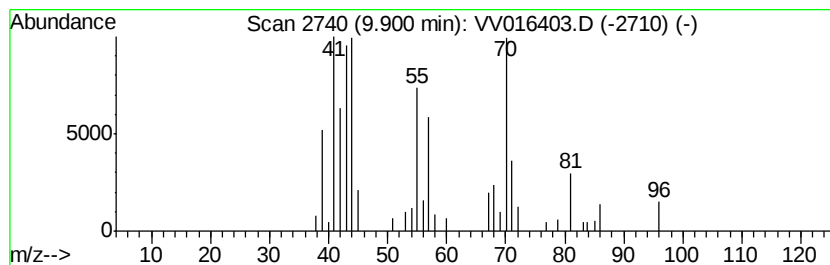
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR053020WMA.M  
Quant Title : TRACE VOA SOM01.0

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

\*\*\*\*\*  
Peak Number 4 Heptanal Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD | R.T. |
|------|-----------|--------|------------------|------|
| 9.90 | 2.08 ug/L | 101686 | Chlorobenzene-d5 | 8.87 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Heptanal     | 114 | C7H14O  | 000111-71-7 | 86   |
| 2    |    | Heptanal     | 114 | C7H14O  | 000111-71-7 | 80   |
| 3    |    | Heptanal     | 114 | C7H14O  | 000111-71-7 | 80   |
| 4    |    | Heptanal     | 114 | C7H14O  | 000111-71-7 | 80   |
| 5    |    | Heptanal     | 114 | C7H14O  | 000111-71-7 | 72   |



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ALS Vial : 7 Sample Multiplier: 1

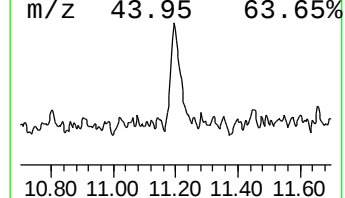
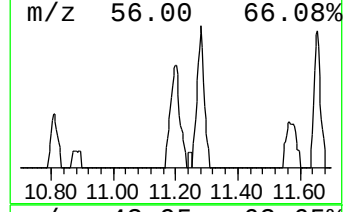
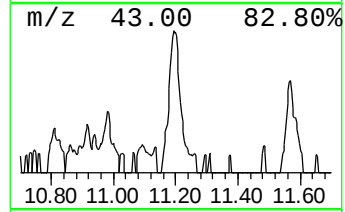
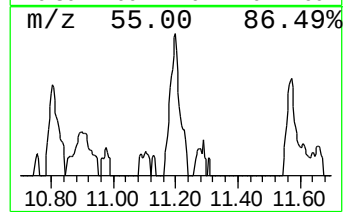
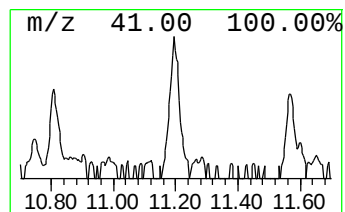
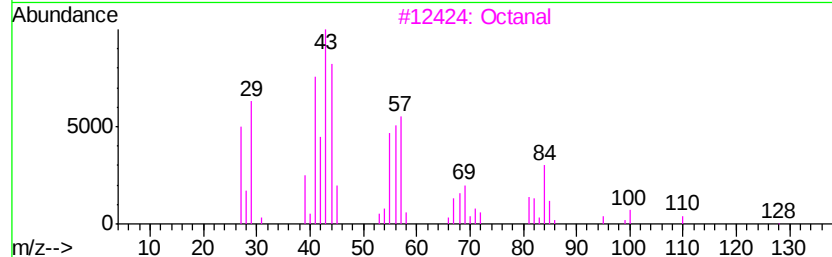
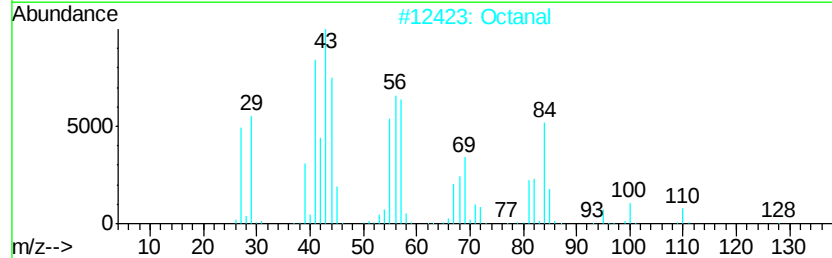
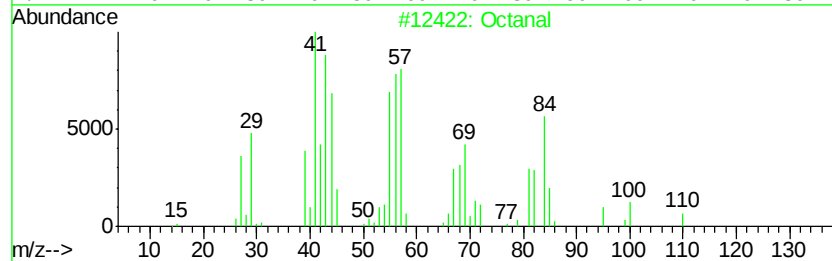
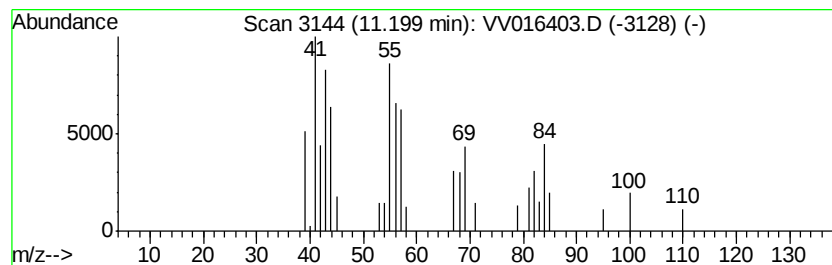
Instrument :  
MSVOA\_V  
ClientSampleId :  
CWKC3DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR053020WMA.M  
Quant Title : TRACE VOA SOM01.0

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

\*\*\*\*\*  
Peak Number 5 Octanal Concentration Rank 5

| R.T.      | EstConc        | Area  | Relative to ISTD       |             | R.T.  |
|-----------|----------------|-------|------------------------|-------------|-------|
| 11.20     | 0.74 ug/L      | 21883 | 1,4-Dichlorobenzene-d4 |             | 11.28 |
| Hit# of 5 | Tentative ID   | MW    | MolForm                | CAS#        | Qual  |
| 1         | Octanal        | 128   | C8H16O                 | 000124-13-0 | 91    |
| 2         | Octanal        | 128   | C8H16O                 | 000124-13-0 | 72    |
| 3         | Octanal        | 128   | C8H16O                 | 000124-13-0 | 64    |
| 4         | Octanal        | 128   | C8H16O                 | 000124-13-0 | 59    |
| 5         | 3-Hexene, (E)- | 84    | C6H12                  | 013269-52-8 | 30    |



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Instrument :  
MSVOA\_V  
ClientSampleId :  
CWKC3DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR053020WMA.M  
Quant Title : TRACE VOA SOM01.0

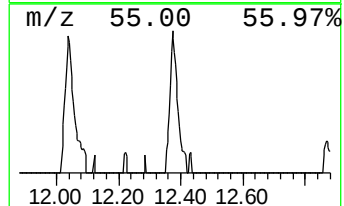
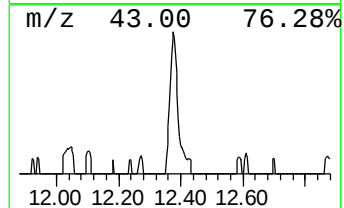
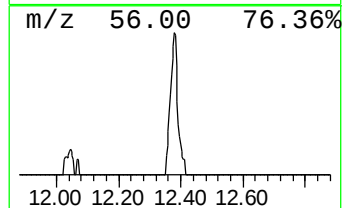
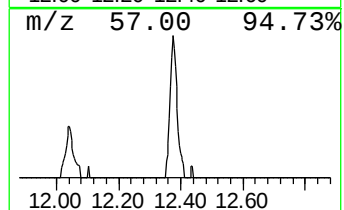
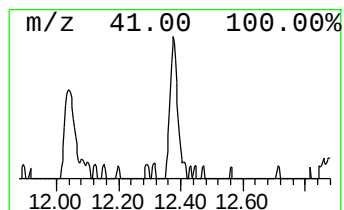
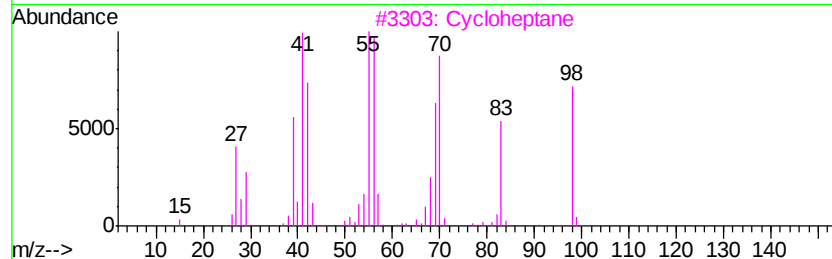
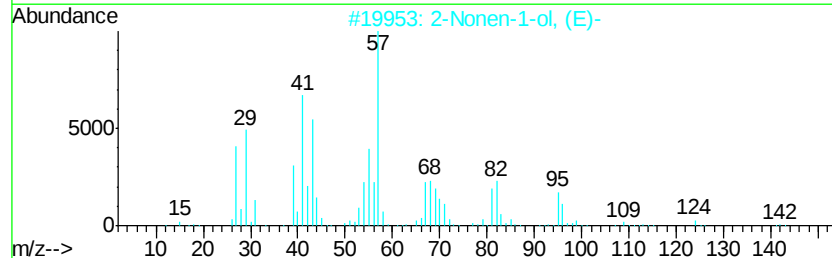
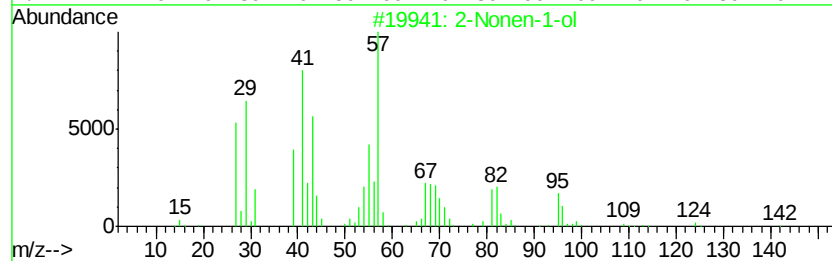
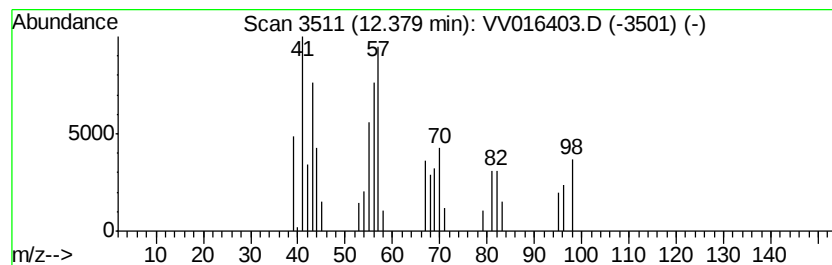
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 unknown-01 Concentration Rank 6

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 12.38 | 0.68 ug/L | 19933 | 1,4-Dichlorobenzene-d4 | 11.28 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Nonen-1-ol       | 142 | C9H18O  | 022104-79-6 | 38   |
| 2    |    | 2-Nonen-1-ol, (E)- | 142 | C9H18O  | 031502-14-4 | 38   |
| 3    |    | Cycloheptane       | 98  | C7H14   | 000291-64-5 | 35   |
| 4    |    | Cycloheptane       | 98  | C7H14   | 000291-64-5 | 35   |
| 5    |    | Hexanal, 5-methyl- | 114 | C7H14O  | 001860-39-5 | 27   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV060120\  
Data File : VV016403.D  
Acq On : 01 Jun 2020 11:37  
Operator : SY/MD  
Sample : L2826-10DL 10X  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
CWKC3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR053020WMA.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 |
| (DEL) Alkane: Str... | 1.81  | 1.0     | ug/L  | 40942    | 1                     | 5.63  | 205330 | 5.0  |
| Hexanal              | 8.32  | 1.1     | ug/L  | 54225    | 2                     | 8.87  | 244147 | 5.0  |
| Heptanal             | 9.90  | 2.1     | ug/L  | 101686   | 2                     | 8.87  | 244147 | 5.0  |
| Octanal              | 11.20 | 0.7     | ug/L  | 21883    | 3                     | 11.28 | 146979 | 5.0  |
| unknown-01           | 12.38 | 0.7     | ug/L  | 19933    | 3                     | 11.28 | 146979 | 5.0  |