

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012621\  
 Data File : VN065593.D  
 Acq On : 26 Jan 2021 9:59  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 1 % 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\_N\methods\82N012521W.M

Title : SW846 8260

Signal : TIC: VN065593.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         | 1.836       | 21            | 30          | 46           | rVB      | 120418         | 156836        | 7.22%           | 0.270%        |
| 2         | 2.036       | 82            | 92          | 105          | rBV      | 153631         | 215344        | 9.91%           | 0.371%        |
| 3         | 2.168       | 123           | 133         | 146          | rBV      | 140499         | 208302        | 9.59%           | 0.359%        |
| 4         | 2.296       | 164           | 173         | 185          | rVB      | 13423          | 23037         | 1.06%           | 0.040%        |
| 5         | 2.541       | 238           | 249         | 273          | rVB      | 112410         | 215449        | 9.92%           | 0.371%        |
| 6         | 2.679       | 281           | 292         | 306          | rVB      | 80442          | 147661        | 6.80%           | 0.255%        |
| 7         | 2.994       | 376           | 390         | 410          | rVB      | 140339         | 303345        | 13.96%          | 0.523%        |
| 8         | 3.377       | 494           | 509         | 528          | rBV      | 127922         | 281810        | 12.97%          | 0.486%        |
| 9         | 3.570       | 556           | 569         | 585          | rVB      | 74444          | 172816        | 7.95%           | 0.298%        |
| 10        | 3.701       | 593           | 610         | 625          | rBV4     | 252281         | 789964        | 36.36%          | 1.362%        |
| 11        | 3.782       | 626           | 635         | 656          | rVV      | 142671         | 362605        | 16.69%          | 0.625%        |
| 12        | 3.907       | 660           | 674         | 689          | rVV2     | 77951          | 209839        | 9.66%           | 0.362%        |
| 13        | 4.004       | 690           | 704         | 728          | rVB      | 141313         | 368068        | 16.94%          | 0.634%        |
| 14        | 4.277       | 758           | 789         | 815          | rBV3     | 208576         | 629429        | 28.97%          | 1.085%        |
| 15        | 4.499       | 838           | 858         | 884          | rBV      | 146516         | 430920        | 19.83%          | 0.743%        |
| 16        | 4.762       | 913           | 940         | 971          | rBV2     | 40773          | 156852        | 7.22%           | 0.270%        |
| 17        | 4.942       | 973           | 996         | 997          | rBV      | 208261         | 445445        | 20.50%          | 0.768%        |
| 18        | 5.843       | 1234          | 1276        | 1289         | rBV2     | 585610         | 2172773       | 100.00%         | 3.745%        |
| 19        | 6.782       | 1542          | 1568        | 1587         | rBV3     | 472621         | 1512051       | 69.59%          | 2.606%        |
| 20        | 6.888       | 1587          | 1601        | 1614         | rBV2     | 192031         | 541319        | 24.91%          | 0.933%        |
| 21        | 7.164       | 1655          | 1687        | 1718         | rBV5     | 309624         | 1258297       | 57.91%          | 2.169%        |
| 22        | 7.325       | 1720          | 1737        | 1760         | rVB      | 165059         | 434122        | 19.98%          | 0.748%        |
| 23        | 7.531       | 1779          | 1801        | 1813         | rBV2     | 217654         | 677091        | 31.16%          | 1.167%        |
| 24        | 7.614       | 1814          | 1827        | 1843         | rVV3     | 449647         | 1232083       | 56.71%          | 2.124%        |
| 25        | 7.737       | 1843          | 1865        | 1893         | rVB3     | 335414         | 1413764       | 65.07%          | 2.437%        |
| 26        | 7.997       | 1925          | 1946        | 1961         | rBV3     | 488000         | 1229872       | 56.60%          | 2.120%        |
| 27        | 8.084       | 1961          | 1973        | 1978         | rVV      | 144029         | 307406        | 14.15%          | 0.530%        |
| 28        | 8.126       | 1980          | 1986        | 2004         | rVB2     | 205308         | 410138        | 18.88%          | 0.707%        |
| 29        | 8.547       | 2097          | 2117        | 2141         | rVB      | 310860         | 648967        | 29.87%          | 1.119%        |
| 30        | 8.798       | 2177          | 2195        | 2211         | rBV      | 284334         | 580516        | 26.72%          | 1.001%        |
| 31        | 9.042       | 2251          | 2271        | 2278         | rBV      | 393664         | 860710        | 39.61%          | 1.484%        |
| 32        | 9.167       | 2297          | 2310        | 2322         | rBV2     | 403921         | 820917        | 37.78%          | 1.415%        |
| 33        | 9.235       | 2322          | 2331        | 2351         | rVB      | 196594         | 362184        | 16.67%          | 0.624%        |
| 34        | 9.367       | 2351          | 2372        | 2393         | rVB      | 201542         | 403579        | 18.57%          | 0.696%        |
| 35        | 9.592       | 2427          | 2442        | 2451         | rBV      | 51101          | 98682         | 4.54%           | 0.170%        |
| 36        | 9.659       | 2451          | 2463        | 2495         | rVV      | 819463         | 1479928       | 68.11%          | 2.551%        |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 1 % 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\_N\methods\82N012521W.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 9.804  | 2495 | 2508 | 2527 | rVV  | 299919  | 555092  | 25.55% | 0.957% |
| 38 | 9.949  | 2539 | 2553 | 2572 | rBV  | 979537  | 1772127 | 81.56% | 3.055% |
| 39 | 10.055 | 2573 | 2586 | 2596 | rVV  | 437243  | 799364  | 36.79% | 1.378% |
| 40 | 10.119 | 2596 | 2606 | 2630 | rVB  | 587541  | 1074602 | 49.46% | 1.852% |
| 41 | 10.347 | 2663 | 2677 | 2685 | rBV  | 288441  | 511357  | 23.53% | 0.881% |
| 42 | 10.396 | 2685 | 2692 | 2712 | rVB  | 309126  | 515259  | 23.71% | 0.888% |
| 43 | 10.527 | 2720 | 2733 | 2744 | rBV  | 299360  | 538033  | 24.76% | 0.927% |
| 44 | 10.598 | 2744 | 2755 | 2767 | rVV  | 428961  | 759314  | 34.95% | 1.309% |
| 45 | 10.675 | 2767 | 2779 | 2785 | rVV  | 285709  | 506697  | 23.32% | 0.873% |
| 46 | 10.720 | 2785 | 2793 | 2812 | rVV  | 746816  | 1252638 | 57.65% | 2.159% |
| 47 | 10.823 | 2813 | 2825 | 2832 | rVV  | 295922  | 486511  | 22.39% | 0.839% |
| 48 | 10.868 | 2832 | 2839 | 2856 | rVB  | 187786  | 338979  | 15.60% | 0.584% |
| 49 | 10.974 | 2859 | 2872 | 2887 | rVB  | 136826  | 242624  | 11.17% | 0.418% |
| 50 | 11.380 | 2980 | 2998 | 3000 | rBV  | 479036  | 718284  | 33.06% | 1.238% |
| 51 | 11.479 | 3017 | 3029 | 3049 | rVB2 | 990550  | 1685751 | 77.59% | 2.906% |
| 52 | 11.589 | 3049 | 3063 | 3086 | rBV  | 1097767 | 2117642 | 97.46% | 3.650% |
| 53 | 11.923 | 3151 | 3167 | 3192 | rBV4 | 893115  | 1998795 | 91.99% | 3.445% |
| 54 | 12.039 | 3192 | 3203 | 3213 | rVV  | 377766  | 586612  | 27.00% | 1.011% |
| 55 | 12.097 | 3213 | 3221 | 3239 | rVB  | 137657  | 244713  | 11.26% | 0.422% |
| 56 | 12.219 | 3245 | 3259 | 3268 | rBV  | 676346  | 1113051 | 51.23% | 1.919% |
| 57 | 12.270 | 3268 | 3275 | 3295 | rVV  | 202017  | 338584  | 15.58% | 0.584% |
| 58 | 12.373 | 3295 | 3307 | 3326 | rVB  | 295793  | 496684  | 22.86% | 0.856% |
| 59 | 12.495 | 3326 | 3345 | 3358 | rBV5 | 557668  | 1723613 | 79.33% | 2.971% |
| 60 | 12.560 | 3359 | 3365 | 3379 | rVV  | 685479  | 1084698 | 49.92% | 1.870% |
| 61 | 12.643 | 3379 | 3391 | 3400 | rVV  | 527867  | 878620  | 40.44% | 1.514% |
| 62 | 12.704 | 3400 | 3410 | 3416 | rVV  | 694740  | 1136621 | 52.31% | 1.959% |
| 63 | 12.743 | 3416 | 3422 | 3445 | rVB  | 520783  | 839644  | 38.64% | 1.447% |
| 64 | 12.965 | 3477 | 3491 | 3497 | rBV  | 641257  | 1058111 | 48.70% | 1.824% |
| 65 | 13.006 | 3497 | 3504 | 3520 | rVB  | 822372  | 1415602 | 65.15% | 2.440% |
| 66 | 13.141 | 3532 | 3546 | 3560 | rBV  | 608495  | 981145  | 45.16% | 1.691% |
| 67 | 13.257 | 3567 | 3582 | 3591 | rBV2 | 1057779 | 1767198 | 81.33% | 3.046% |
| 68 | 13.325 | 3591 | 3603 | 3628 | rVB2 | 545097  | 1376483 | 63.35% | 2.373% |
| 69 | 13.585 | 3669 | 3684 | 3690 | rBV  | 617274  | 997425  | 45.91% | 1.719% |
| 70 | 13.624 | 3690 | 3696 | 3720 | rVB  | 415341  | 689801  | 31.75% | 1.189% |
| 71 | 13.846 | 3751 | 3765 | 3779 | rBV  | 292143  | 506541  | 23.31% | 0.873% |
| 72 | 14.238 | 3874 | 3887 | 3905 | rVB2 | 93979   | 178803  | 8.23%  | 0.308% |
| 73 | 14.550 | 3971 | 3984 | 4000 | rBV  | 642890  | 1025059 | 47.18% | 1.767% |
| 74 | 14.878 | 4074 | 4086 | 4103 | rVB  | 329327  | 545846  | 25.12% | 0.941% |
| 75 | 14.977 | 4105 | 4117 | 4130 | rVB  | 244201  | 390849  | 17.99% | 0.674% |
| 76 | 15.100 | 4141 | 4155 | 4174 | rBV  | 373838  | 661504  | 30.45% | 1.140% |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Integration Parameters: RTEINT.P  
Integrator: RTE  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 1 % 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\_N\methods\82N012521W.M  
Title : SW846 8260

|    |        |      |      |      |     |        |        |        |        |
|----|--------|------|------|------|-----|--------|--------|--------|--------|
| 77 | 15.280 | 4193 | 4211 | 4227 | rBV | 300092 | 544133 | 25.04% | 0.938% |
|----|--------|------|------|------|-----|--------|--------|--------|--------|

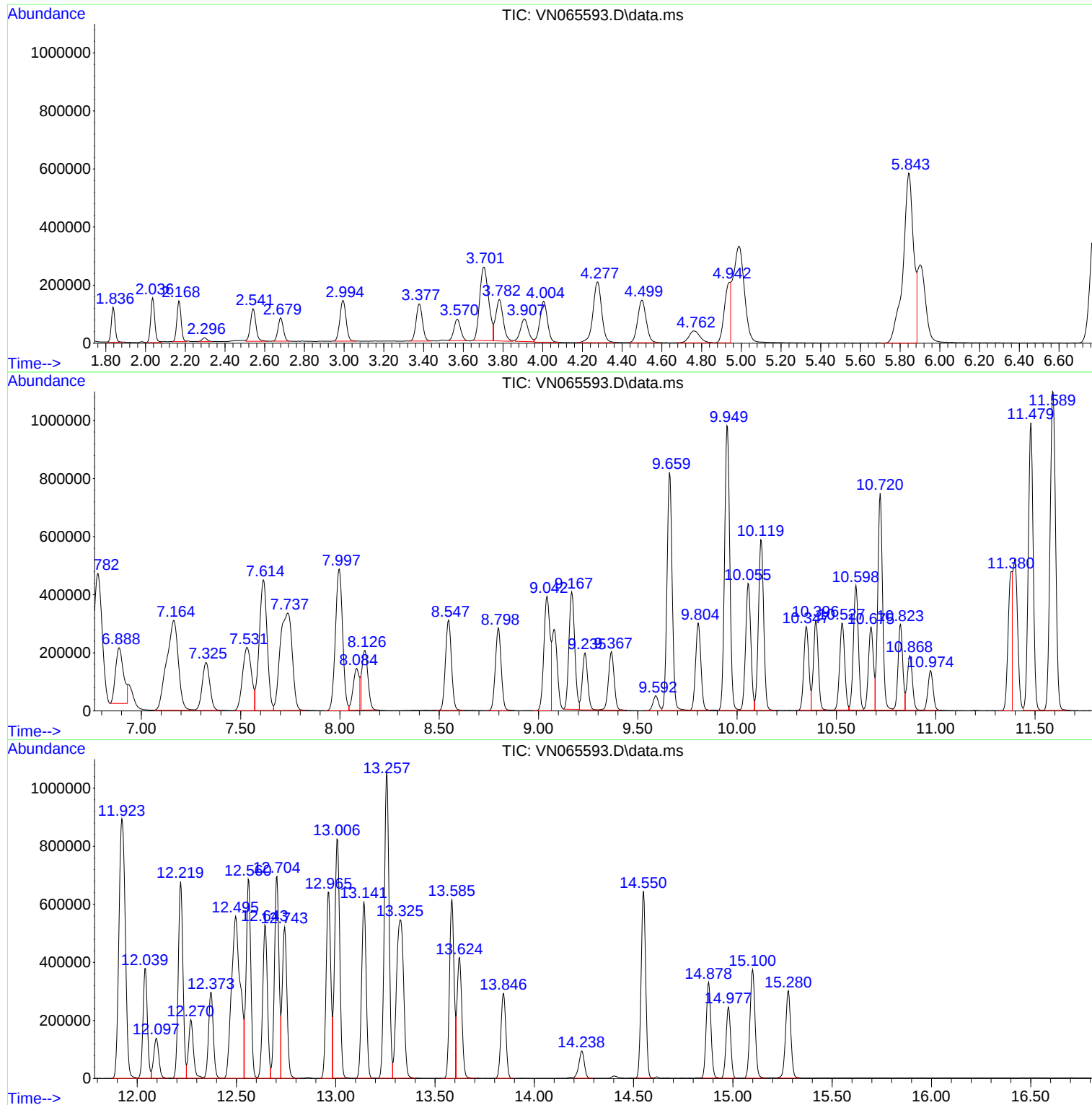
Sum of corrected areas: 58016530

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012621\  
Data File : VN065593.D  
Acq On : 26 Jan 2021 9:59  
Operator : JC/MD  
Sample : VSTDCCC050  
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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
Quant Title : SW846 8260

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



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Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

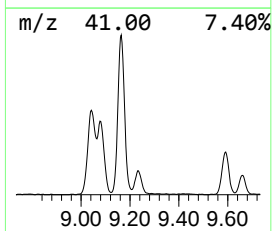
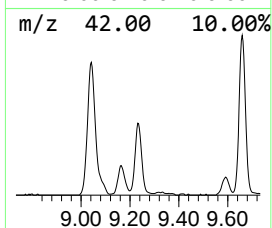
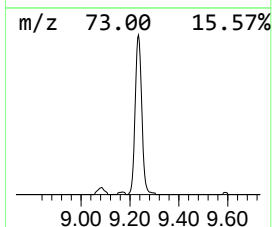
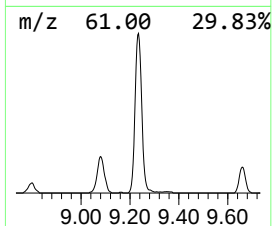
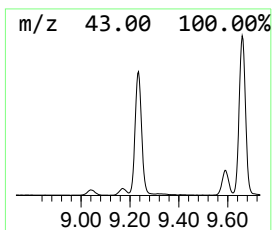
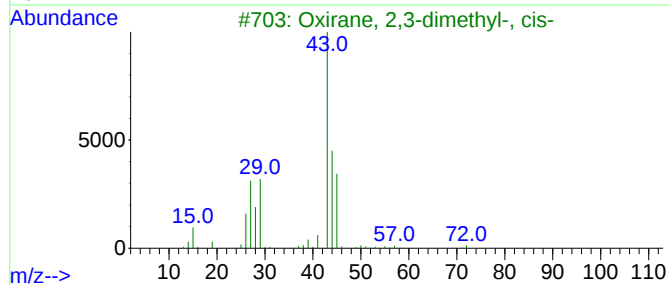
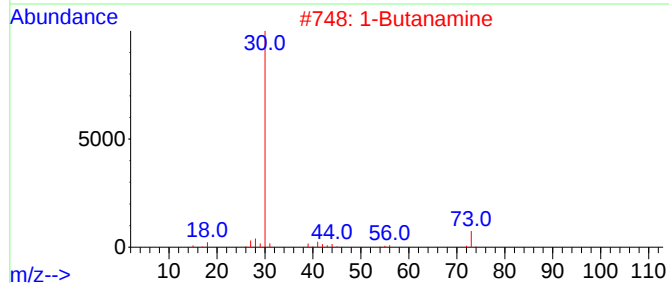
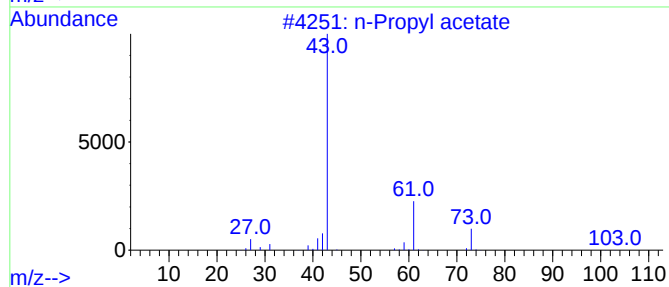
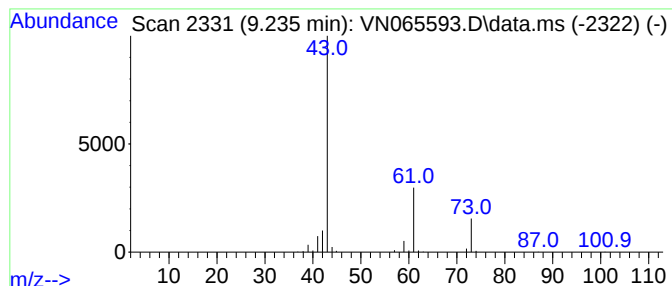
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 1 n-Propyl acetate Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 9.235 | 27.90 ug/l | 362184 | 1,4-Difluorobenzene | 8.547 |

| Hit# | of 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------------|-----|---------|-------------|------|
| 1    |      | n-Propyl acetate             | 102 | C5H10O2 | 000109-60-4 | 83   |
| 2    |      | 1-Butanamine                 | 73  | C4H11N  | 000109-73-9 | 7    |
| 3    |      | Oxirane, 2,3-dimethyl-, cis- | 72  | C4H8O   | 001758-33-4 | 7    |
| 4    |      | Pentane                      | 72  | C5H12   | 000109-66-0 | 5    |
| 5    |      | Isobutylamine                | 73  | C4H11N  | 000078-81-9 | 4    |



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MSVOA\_N  
LabSampleId :  
VSTDCCC050

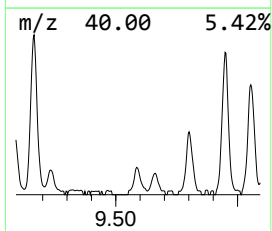
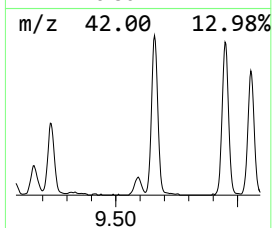
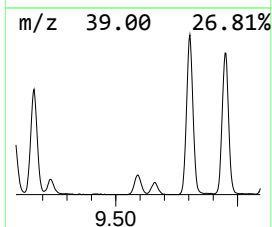
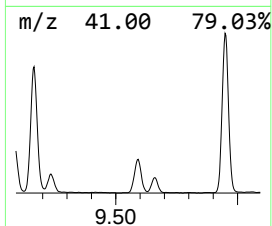
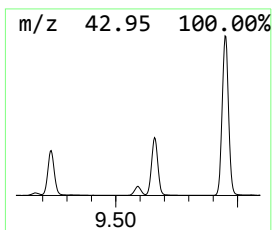
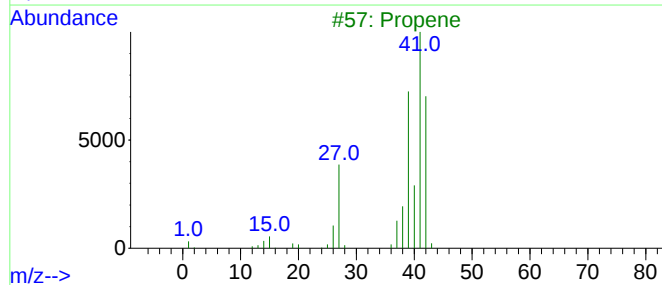
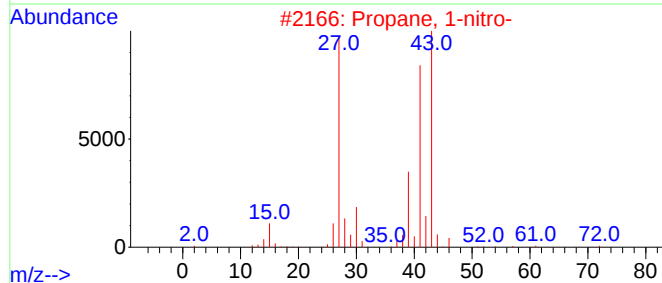
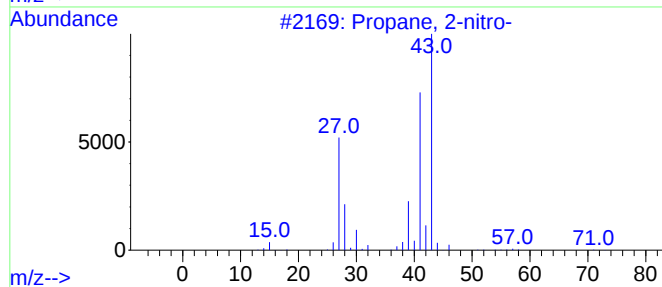
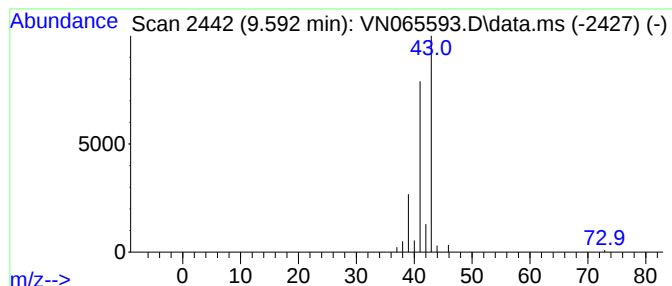
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Propane, 2-nitro- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 9.592 | 7.60 ug/l | 98682 | 1,4-Difluorobenzene | 8.547 |

| Hit# | of                | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-------------------|---|--------------|-----|---------|-------------|------|
| 1    | Propane, 2-nitro- |   |              | 89  | C3H7NO2 | 000079-46-9 | 83   |
| 2    | Propane, 1-nitro- |   |              | 89  | C3H7NO2 | 000108-03-2 | 74   |
| 3    | Propene           |   |              | 42  | C3H6    | 000115-07-1 | 9    |
| 4    | Isobutyl nitrite  |   |              | 103 | C4H9NO2 | 000542-56-3 | 9    |
| 5    | Oxirane, ethyl-   |   |              | 72  | C4H8O   | 000106-88-7 | 9    |



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Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
Quant Title : SW846 8260

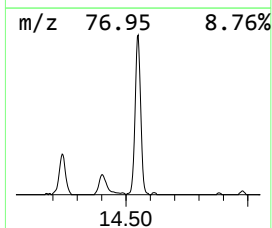
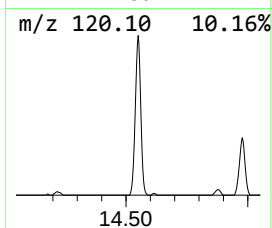
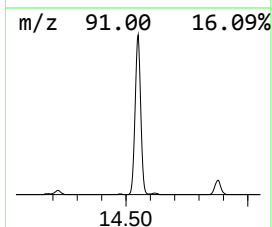
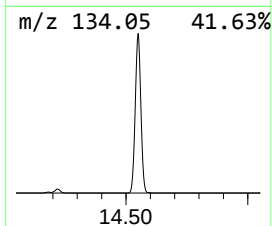
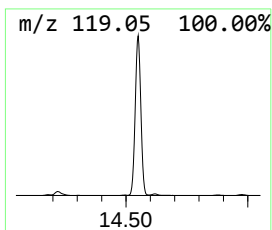
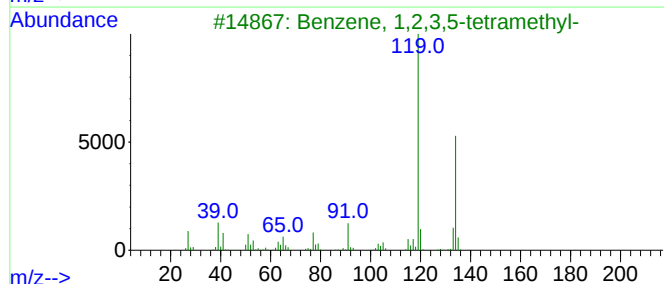
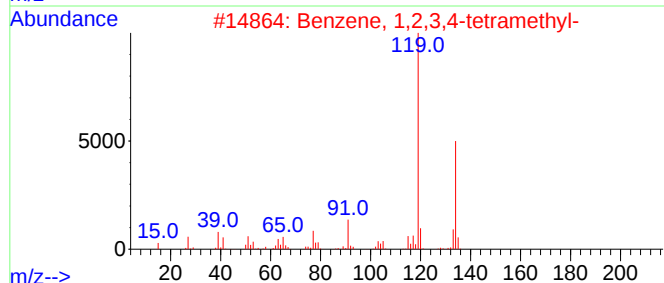
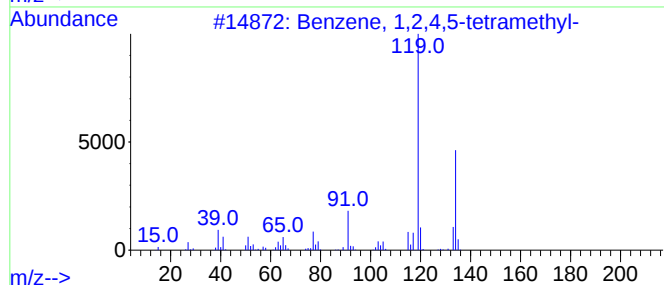
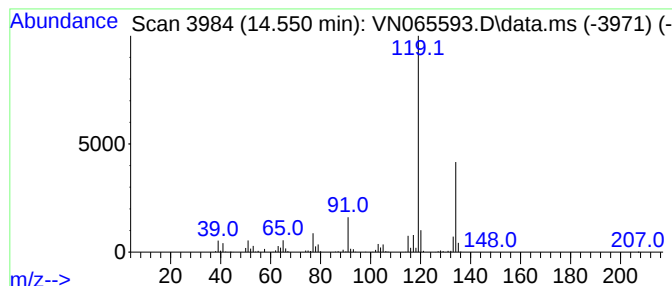
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 14.550 | 37.23 ug/l | 1025060 | 1,4-Dichlorobenzene-d4 | 13.315 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 97   |
| 2    |    |   | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 95   |
| 3    |    |   | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 95   |
| 4    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |
| 5    |    |   | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 94   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012621\  
Data File : VN065593.D  
Acq On : 26 Jan 2021 9:59  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.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 |
| n-Propyl acetate   | 9.235  | 27.9    | ug/l  | 362184   | 2                     | 8.547  | 648967  | 50.0 |
| Propane, 2-nitro-  | 9.592  | 7.6     | ug/l  | 98682    | 2                     | 8.547  | 648967  | 50.0 |
| Benzene, 1,2,4,... | 14.550 | 37.2    | ug/l  | 1025060  | 4                     | 13.315 | 1376480 | 50.0 |