

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080719\  
 Data File : VN057118.D  
 Acq On : 7 Aug 2019 22:14  
 Operator : JC/SP  
 Sample : VSTDICV050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN080719

Manual Integrations  
 APPROVED

MMDadoda  
 8/8/2019 2:40:43 PM

Quant Time: Aug 08 06:54:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080719W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:49:25 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.05  | 168  | 1293554  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.01  | 114  | 1920937  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.90 | 117  | 1718690  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.87 | 152  | 684189   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 7.44   | 65  | 675264   | 50.76 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.52% |      |
| 35) Dibromofluoromethane    | 6.98   | 113 | 625756   | 51.91 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.82% |      |
| 50) Toluene-d8              | 9.56   | 98  | 2394440  | 51.92 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.84% |      |
| 62) 4-Bromofluorobenzene    | 11.92  | 95  | 788489   | 53.06 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.12% |      |

| Target Compounds              |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.82 | 85  | 467406  | 44.957  | ug/l   | 98     |
| 3) Chloromethane              | 2.00 | 50  | 647551  | 46.876  | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.11 | 62  | 617919  | 48.124  | ug/l   | 99     |
| 5) Bromomethane               | 2.42 | 94  | 432182  | 49.537  | ug/l   | 98     |
| 6) Chloroethane               | 2.55 | 64  | 395789  | 48.056  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 2.82 | 101 | 860950  | 46.648  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.14 | 74  | 348132  | 48.821  | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.44 | 101 | 528444  | 47.231  | ug/l   | 100    |
| 10) Methyl Iodide             | 3.63 | 142 | 817964  | 48.379  | ug/l   | 100    |
| 11) Tert butyl alcohol        | 4.23 | 59  | 441629  | 233.282 | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 3.43 | 96  | 541510  | 49.197  | ug/l   | 99     |
| 13) Acrolein                  | 3.31 | 56  | 287967  | 240.450 | ug/l   | 98     |
| 14) Allyl chloride            | 3.91 | 41  | 779264  | 48.717  | ug/l   | 100    |
| 15) Acrylonitrile             | 4.45 | 53  | 1274371 | 248.727 | ug/l   | 99     |
| 16) Acetone                   | 3.47 | 43  | 938058  | 233.487 | ug/l   | 99     |
| 17) Carbon Disulfide          | 3.72 | 76  | 1466534 | 50.083  | ug/l   | 99     |
| 18) Methyl Acetate            | 3.89 | 43  | 593597  | 49.584  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 4.49 | 73  | 1640311 | 49.363  | ug/l   | 100    |
| 20) Methylene Chloride        | 4.10 | 84  | 627300  | 47.310  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 4.51 | 96  | 578909  | 48.282  | ug/l   | 96     |
| 22) Diisopropyl ether         | 5.31 | 45  | 1704638 | 48.857  | ug/l   | 98     |
| 23) Vinyl Acetate             | 5.26 | 43  | 6785266 | 253.960 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.25 | 63  | 1036543 | 48.327  | ug/l   | 98     |
| 25) 2-Butanone                | 6.20 | 43  | 1540082 | 250.898 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.21 | 77  | 717044  | 45.951  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.21 | 96  | 670755  | 48.832  | ug/l   | 100    |
| 28) Bromochloromethane        | 6.58 | 49  | 507325  | 51.424  | ug/l   | 98     |
| 29) Tetrahydrofuran           | 6.60 | 42  | 1024910 | 247.862 | ug/l   | 100    |
| 30) Chloroform                | 6.76 | 83  | 1042528 | 46.962  | ug/l   | 99     |
| 31) Cyclohexane               | 7.06 | 56  | 905811  | 46.942  | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 6.98 | 97  | 900322  | 48.346  | ug/l   | 100    |
| 36) 1,1-Dichloropropene       | 7.20 | 75  | 789178  | 49.897  | ug/l   | 100    |
| 37) Ethyl Acetate             | 6.28 | 43  | 653737  | 50.141  | ug/l # | 99     |
| 38) Carbon Tetrachloride      | 7.18 | 117 | 793617  | 48.147  | ug/l   | 98     |

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 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
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Manual Integrations  
 APPROVED

MMDadoda  
 8/8/2019 2:40:43 PM

Quant Time: Aug 08 06:54:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080719W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:49:25 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 8.52  | 83   | 940941   | 48.922  | ug/l   | 95       |
| 40) Benzene                    | 7.46  | 78   | 2426377  | 48.460  | ug/l   | 99       |
| 41) Methacrylonitrile          | 6.55  | 41   | 338759   | 51.151  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 7.54  | 62   | 753437   | 47.183  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 7.56  | 43   | 1094355  | 49.186  | ug/l   | 99       |
| 44) Trichloroethene            | 8.27  | 130  | 688509   | 49.083  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 8.56  | 63   | 633690   | 48.880  | ug/l   | 100      |
| 46) Dibromomethane             | 8.65  | 93   | 407200   | 48.986  | ug/l   | 100      |
| 47) Bromodichloromethane       | 8.85  | 83   | 800907   | 49.795  | ug/l   | 98       |
| 48) Methyl methacrylate        | 8.64  | 41   | 513078   | 48.904  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 8.64  | 88   | 209224   | 979.148 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 9.45  | 43   | 3230576  | 249.484 | ug/l   | 100      |
| 52) Toluene                    | 9.63  | 92   | 1534585  | 49.377  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.85  | 75   | 867544   | 51.630  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.30  | 75   | 984083   | 51.040  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 10.04 | 97   | 586036   | 47.951  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 9.90  | 69   | 894003   | 52.244  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.19 | 76   | 989617   | 49.101  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.15  | 63   | 1611503  | 236.901 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.24 | 43   | 2273401  | 259.409 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.39 | 129  | 660790   | 51.481  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 10.50 | 107  | 621745   | 49.300  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.11 | 164  | 667754   | 46.718  | ug/l   | 94       |
| 65) Chlorobenzene              | 10.93 | 112  | 1684048  | 48.698  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.01 | 131  | 632953   | 48.958  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.01 | 91   | 2942965  | 49.447  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.12 | 106  | 2216210  | 101.074 | ug/l   | 99       |
| 69) o-Xylene                   | 11.46 | 106  | 1071812  | 49.115  | ug/l   | 99       |
| 70) Styrene                    | 11.47 | 104  | 1766550  | 51.828  | ug/l   | 100      |
| 71) Bromoform                  | 11.64 | 173  | 488467   | 51.578  | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.76 | 105  | 2903959  | 52.229  | ug/l   | 99       |
| 74) N-amyl acetate             | 11.58 | 43   | 852890   | 49.192  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.02 | 83   | 794672   | 53.562  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.07 | 75   | 687687m  | 51.593  | ug/l   |          |
| 77) Bromobenzene               | 12.04 | 156  | 749764   | 45.592  | ug/l   | 100      |
| 78) n-propylbenzene            | 12.11 | 91   | 3117794  | 47.500  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.19 | 91   | 1876219  | 51.355  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.26 | 105  | 2421247  | 45.839  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.82 | 75   | 225249   | 48.407  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.29 | 91   | 1798096  | 47.312  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.52 | 119  | 2130024  | 51.205  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 12.57 | 105  | 2330354  | 45.643  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 12.70 | 105  | 2727418  | 45.755  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.82 | 119  | 2452441  | 46.886  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.81 | 146  | 1155170  | 49.340  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.89 | 146  | 1099417  | 49.562  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.15 | 91   | 1851084  | 51.223  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.41 | 117  | 425796   | 51.234  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.18 | 146  | 1113434  | 47.624  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.81 | 75   | 110526   | 45.955  | ug/l   | 98       |

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 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
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Manual Integrations  
 APPROVED

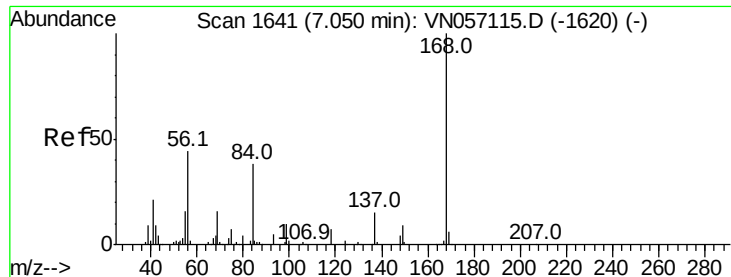
MMDadoda  
 8/8/2019 2:40:43 PM

Quant Time: Aug 08 06:54:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080719W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:49:25 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.45 | 180  | 439480   | 44.995 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 14.55 | 225  | 438045   | 53.987 | ug/l  | 99       |
| 95) Naphthalene            | 14.66 | 128  | 992137   | 49.960 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.83 | 180  | 446451   | 44.274 | ug/l  | 100      |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN080719

Tot Ion:168 Resp: 1293554

Ion Ratio Lower Upper

168 100

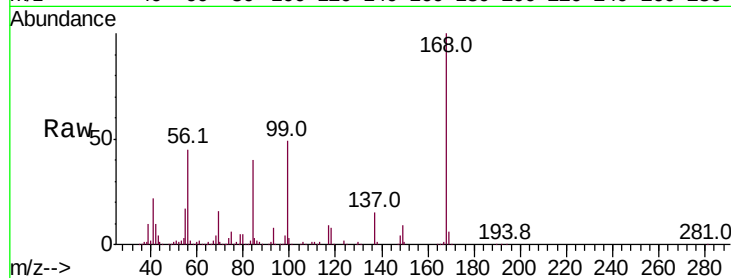
99 48.6 38.6 57.8

Manual Integrations

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8/8/2019 2:40:43 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

500000

400000

300000

200000

100000

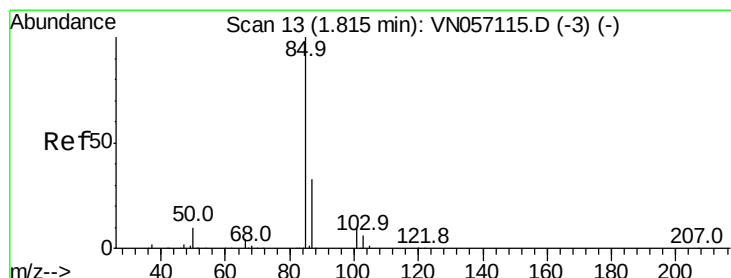
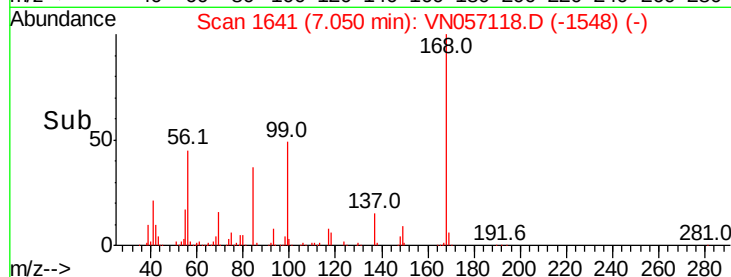
0

7.05

7.00

7.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.957 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057118.D

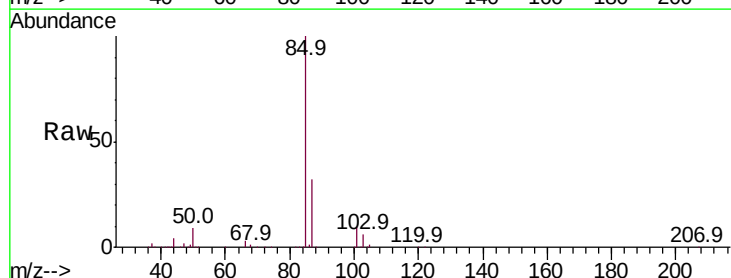
Acq: 7 Aug 2019 22:14

Tgt Ion: 85 Resp: 467406

Ion Ratio Lower Upper

85 100

87 31.9 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

300000

200000

100000

0

1.82

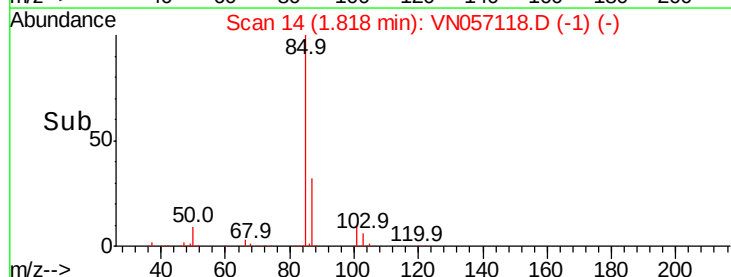
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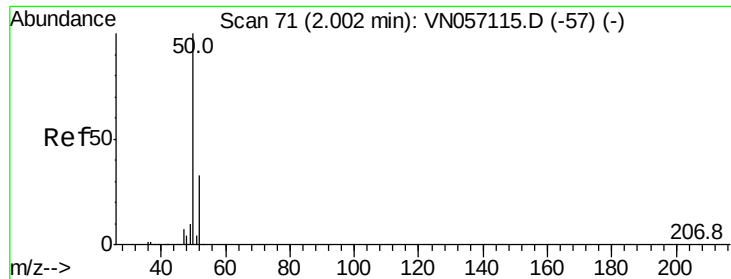
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 46.876 ug/l

RT: 2.00 min Scan# 71

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN080719

Tot Ion: 50 Resp: 647551

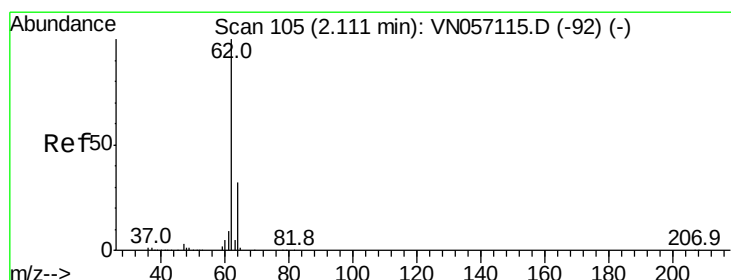
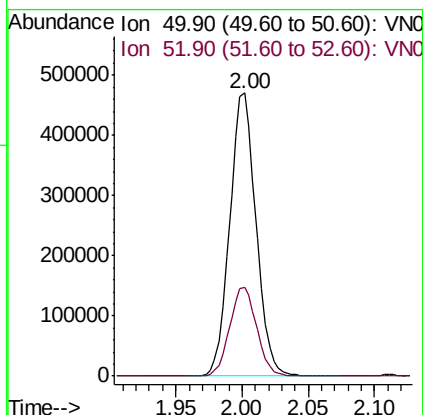
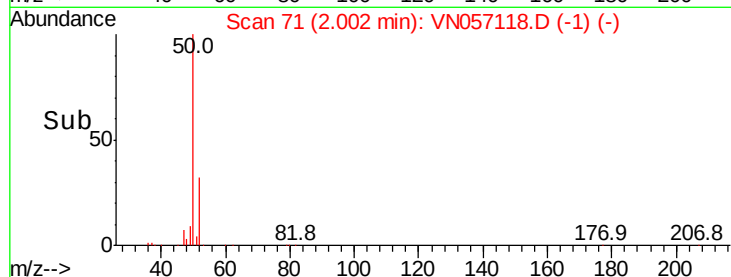
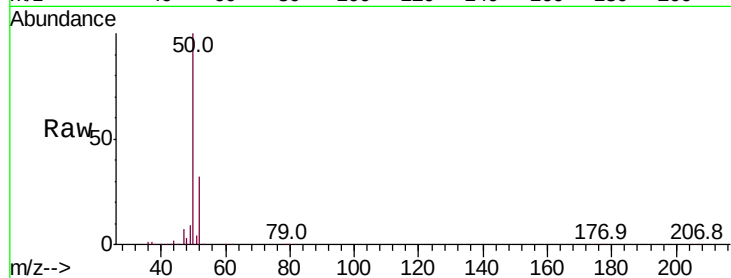
Ion Ratio Lower Upper

50 100

52 31.5 26.1 39.1

Manual Integrations  
APPROVED

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8/8/2019 2:40:43 PM



#4

Vinyl Chloride

Concen: 48.124 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057118.D

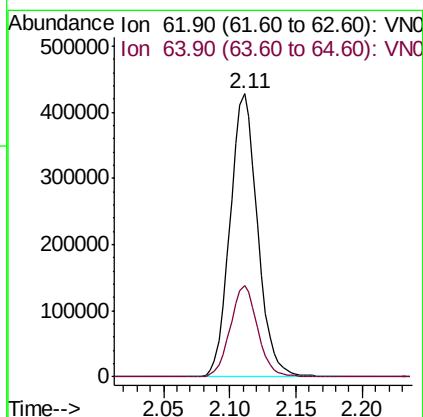
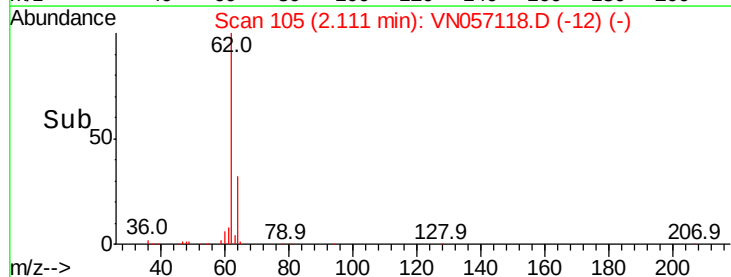
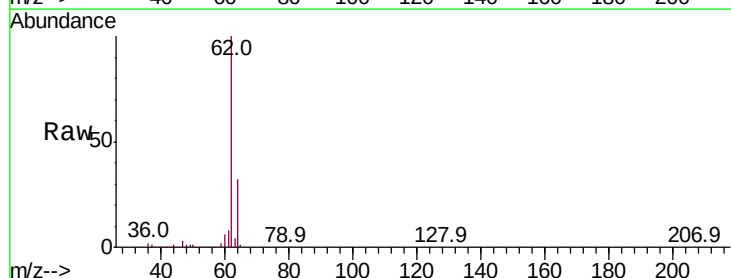
Acq: 7 Aug 2019 22:14

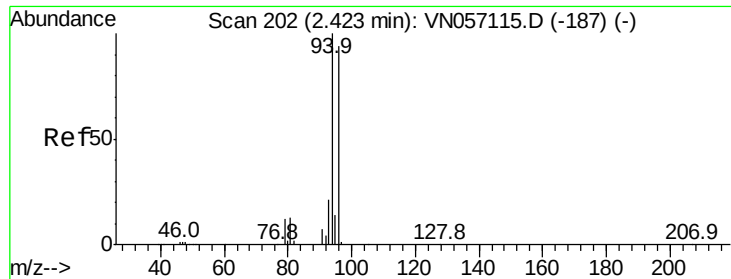
Tgt Ion: 62 Resp: 617919

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 49.537 ug/l

RT: 2.42 min Scan# 202

Delta R.T. 0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN080719

Tot Ion: 94 Resp: 432182

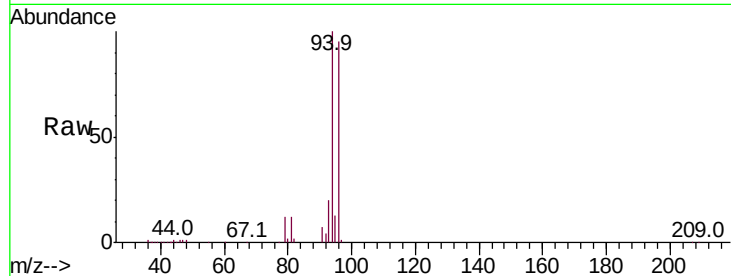
Ion Ratio Lower Upper

94 100

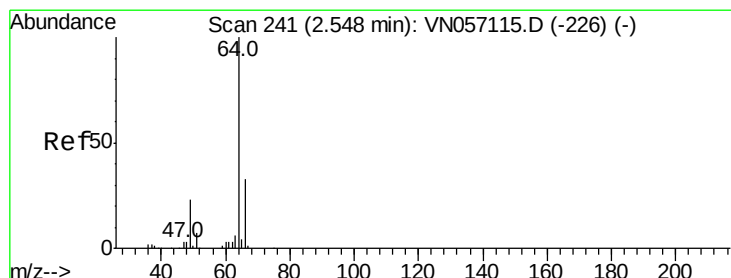
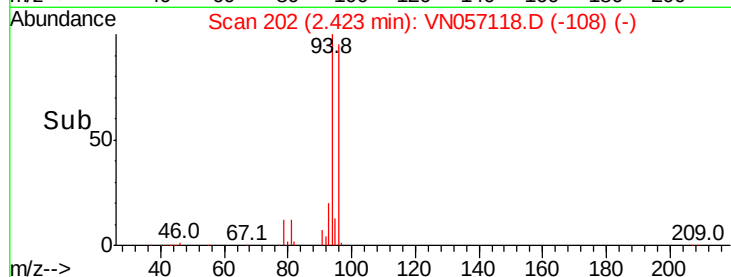
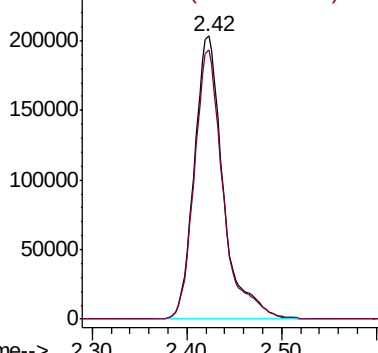
96 95.2 75.0 112.4

Manual Integrations  
APPROVED

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8/8/2019 2:40:43 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO  
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.056 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN057118.D

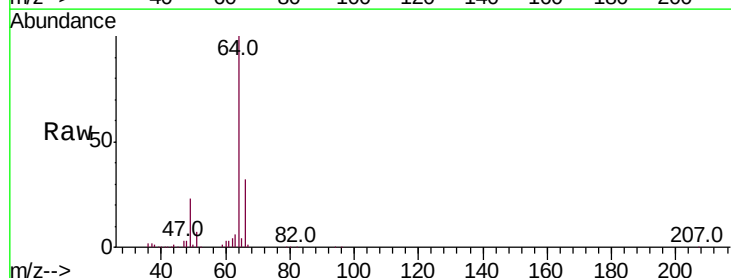
Acq: 7 Aug 2019 22:14

Tgt Ion: 64 Resp: 395789

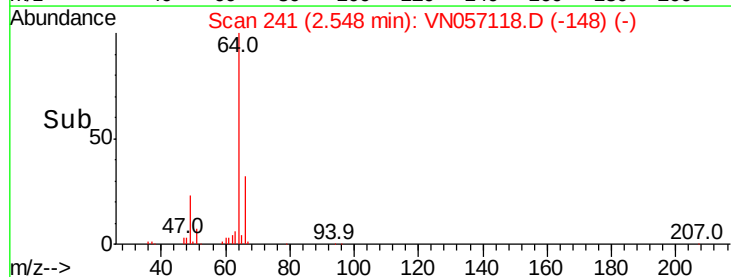
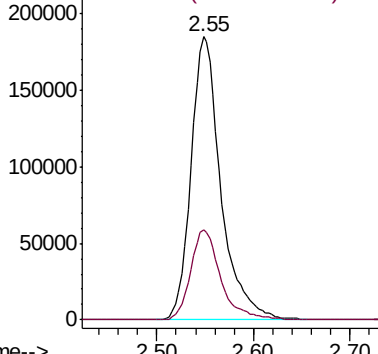
Ion Ratio Lower Upper

64 100

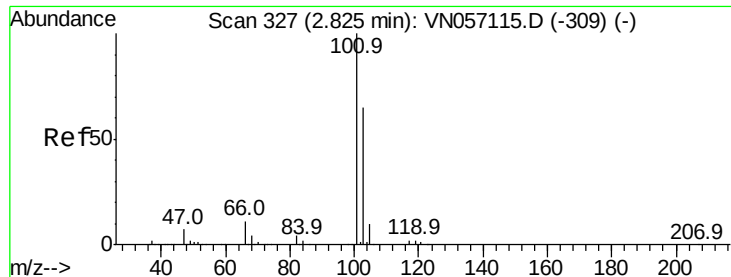
66 32.0 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VNO  
Ion 65.90 (65.60 to 66.60): VNO







#7

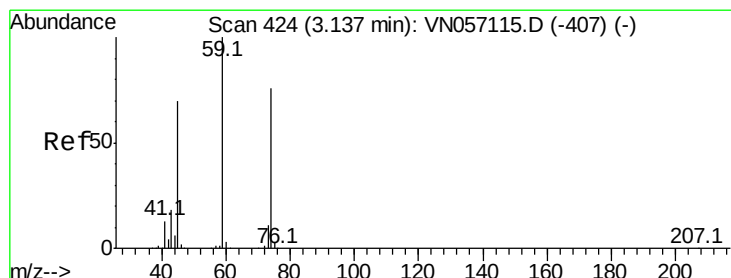
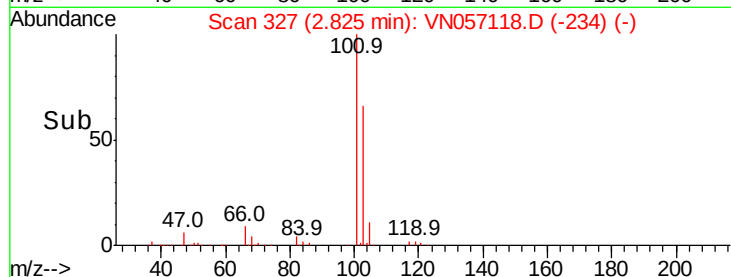
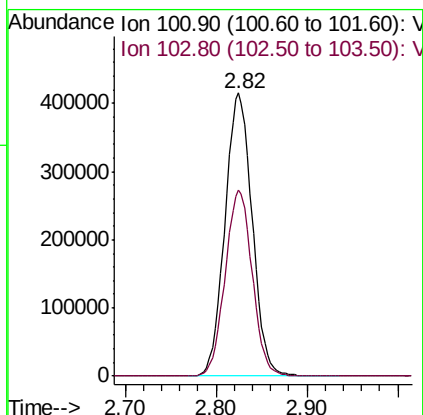
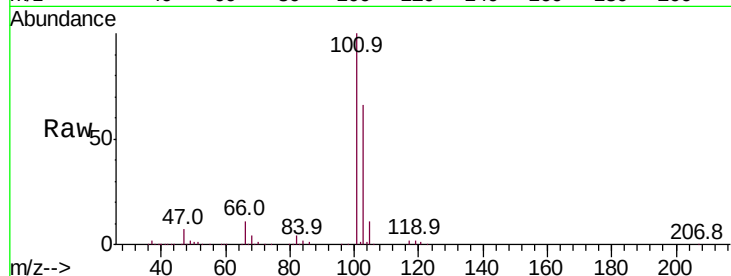
Trichlorofluoromethane  
Concen: 46.648 ug/l  
RT: 2.82 min Scan# 327  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN080719

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 860950 |       |       |
| 103     | 65.8  | 52.2   | 78.4  |       |

Manual Integrations  
APPROVED

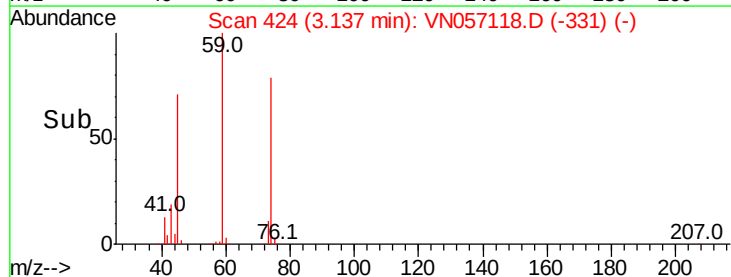
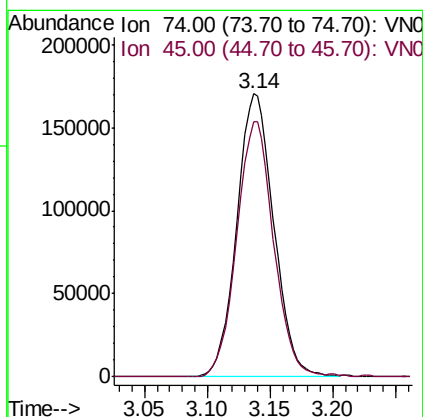
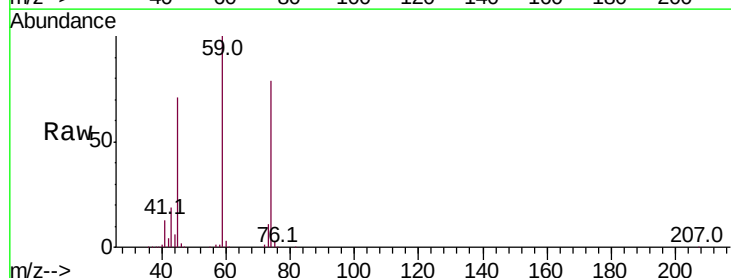
MMDadoda  
8/8/2019 2:40:43 PM



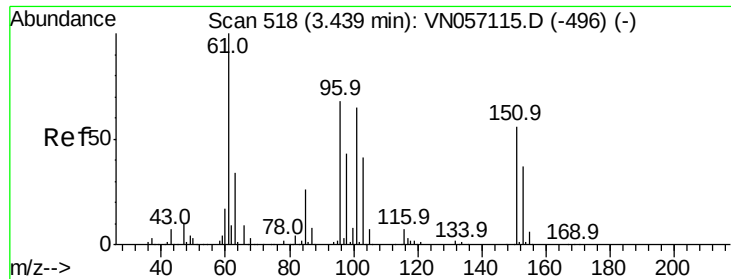
#8

Diethyl Ether  
Concen: 48.821 ug/l  
RT: 3.14 min Scan# 424  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 74      | 100   | 348132 |       |       |
| 45      | 89.4  | 46.3   | 138.8 |       |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.231 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

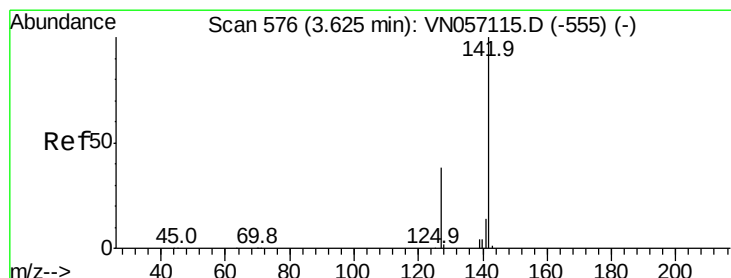
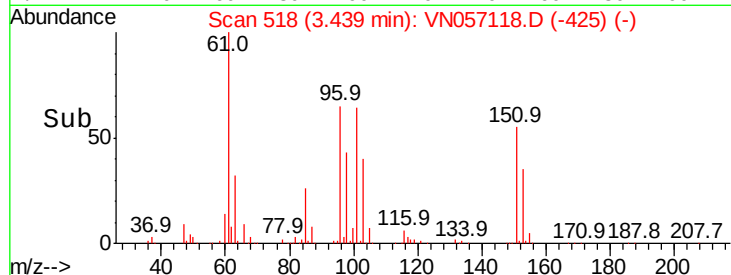
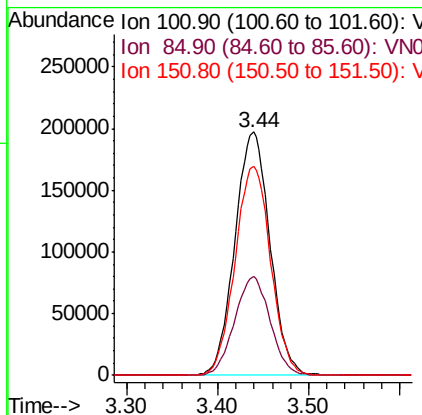
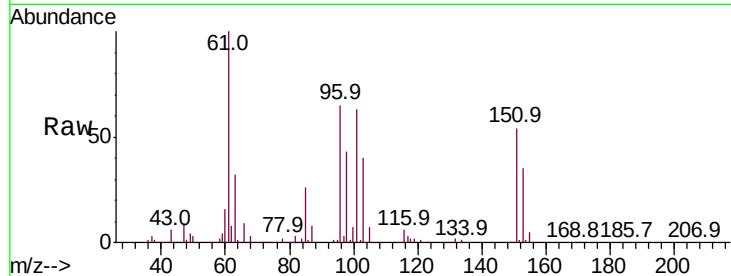
ClientSampled :

ICVVN080719

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 528444 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.1  | 32.3  | 48.5   |
| 151       | 86.9  | 69.4  | 104.0  |

Manual Integrations  
APPROVED

MMDadoda  
8/8/2019 2:40:43 PM



#10

Methyl Iodide

Concen: 48.379 ug/l

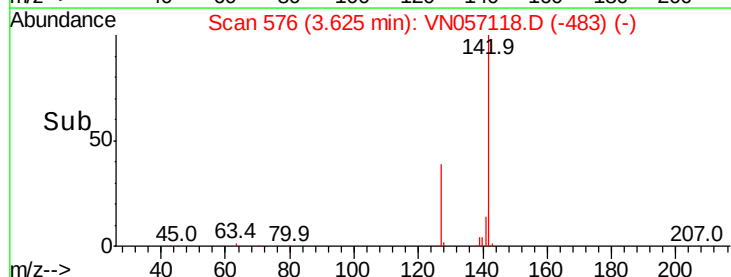
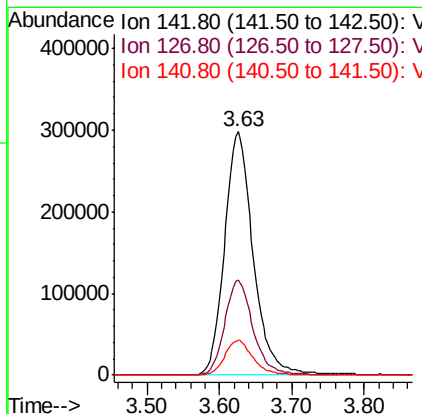
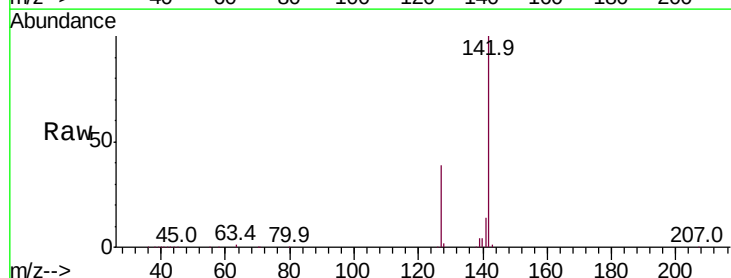
RT: 3.63 min Scan# 576

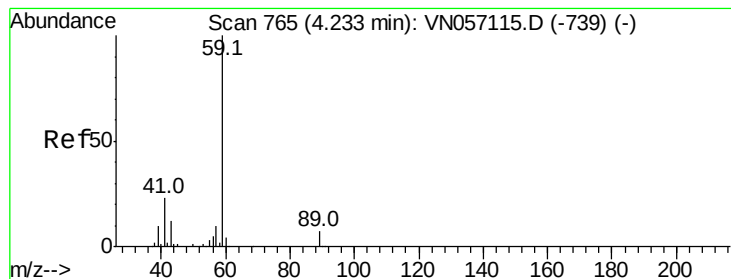
Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 817964 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 38.7  | 31.0  | 46.6   |
| 141       | 14.1  | 11.2  | 16.8   |





#11

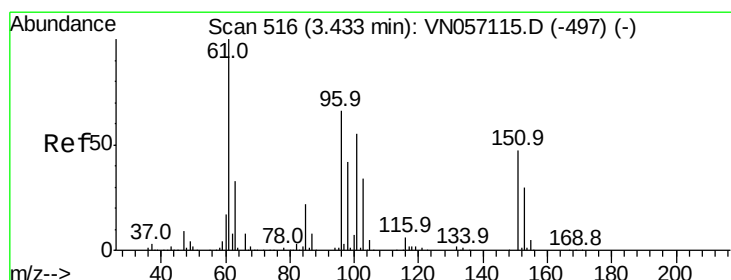
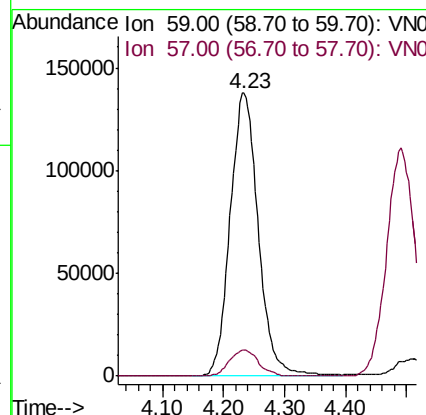
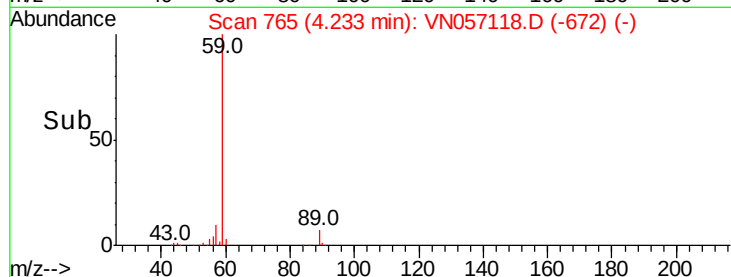
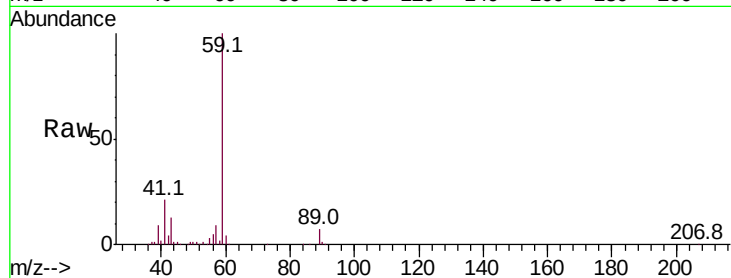
Tert butyl alcohol  
Concen: 233.282 ug/l  
RT: 4.23 min Scan# 765  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN080719

| Tot Ion   | 59  | Resp  | 441629 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 57        | 9.6 | 7.9   | 11.9   |

Manual Integrations  
APPROVED

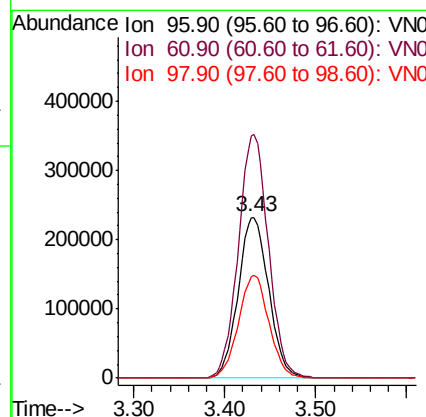
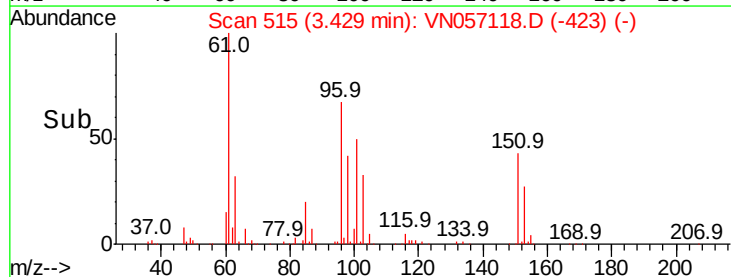
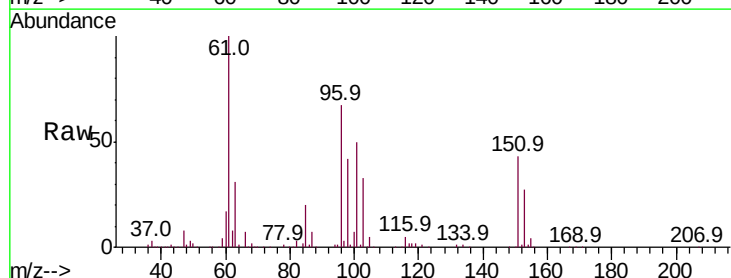
MMDadoda  
8/8/2019 2:40:43 PM

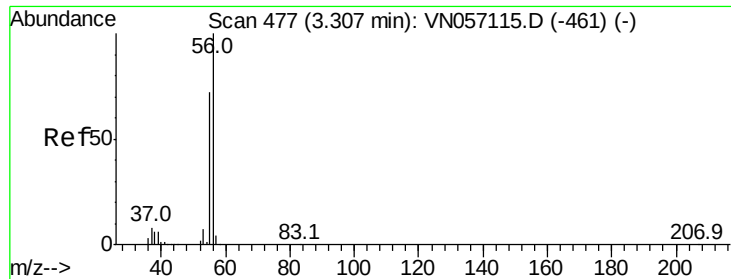


#12

1,1-Dichloroethene  
Concen: 49.197 ug/l  
RT: 3.43 min Scan# 515  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

| Tgt Ion   | 96    | Resp  | 541510 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 150.2 | 121.0 | 181.6  |
| 98        | 62.8  | 50.8  | 76.2   |





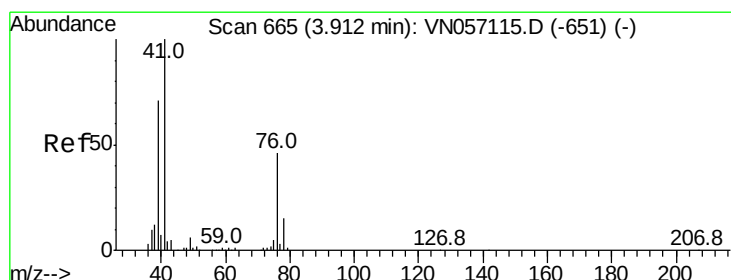
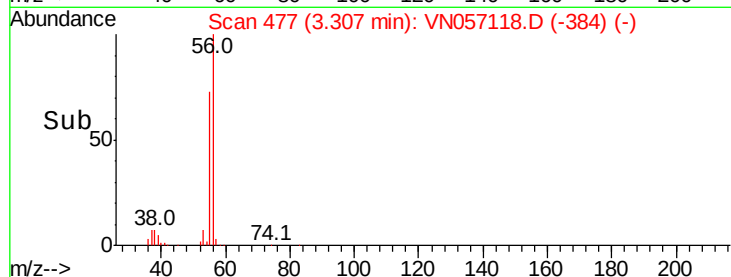
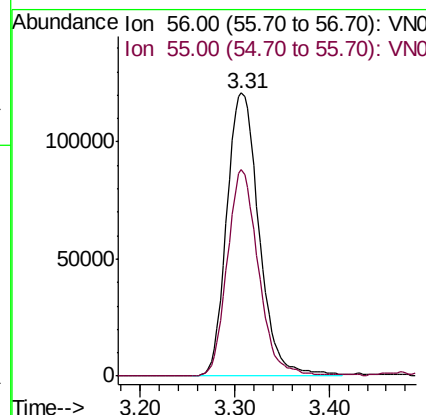
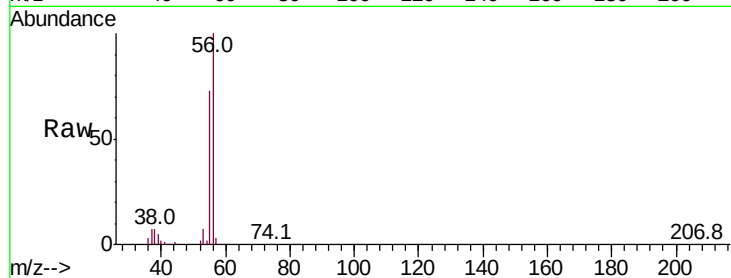
#13  
Acrolein  
Concen: 240.450 ug/l  
RT: 3.31 min Scan# 477  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Instrument :  
MSVOA\_N  
ClientSampled :  
ICVVN080719

| Tot Ion   | 56    | Resp  | 287967 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 55        | 70.3  | 57.7  | 86.5   |

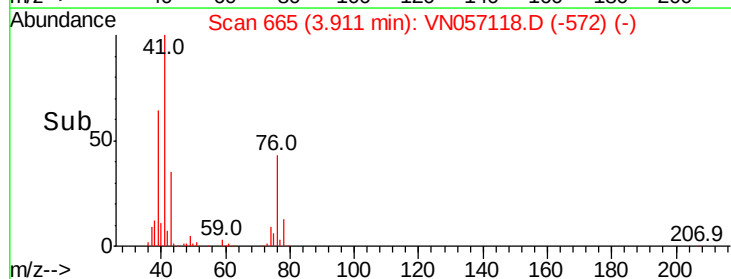
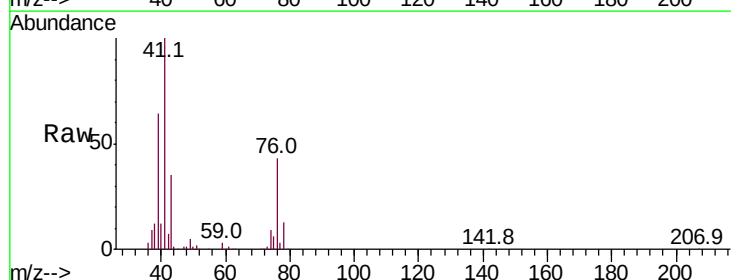
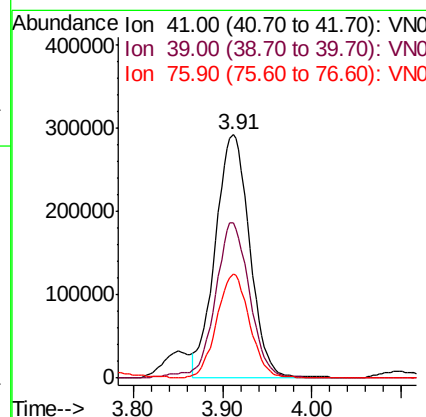
Manual Integrations  
APPROVED

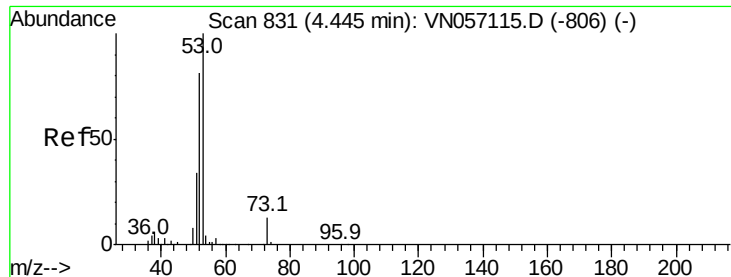
MMDadoda  
8/8/2019 2:40:43 PM



#14  
Allyl chloride  
Concen: 48.717 ug/l  
RT: 3.91 min Scan# 665  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

| Tgt Ion   | 41    | Resp  | 779264 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 63.9  | 51.1  | 76.7   |
| 76        | 40.4  | 32.8  | 49.2   |





#15

Acrylonitrile

Concen: 248.727 ug/l

RT: 4.45 min Scan# 831

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN080719

Tot Ion: 53 Resp: 1274371

Ion Ratio Lower Upper

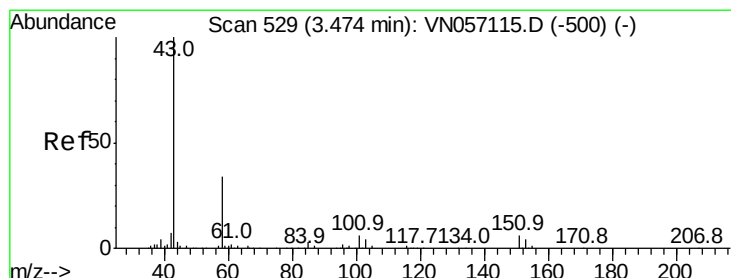
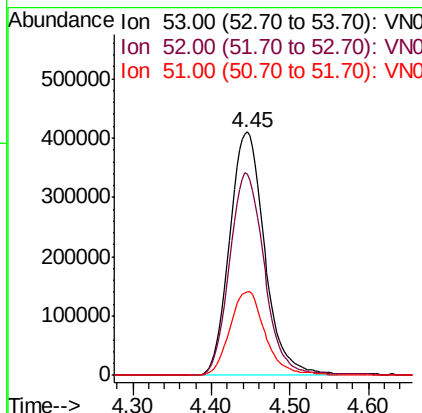
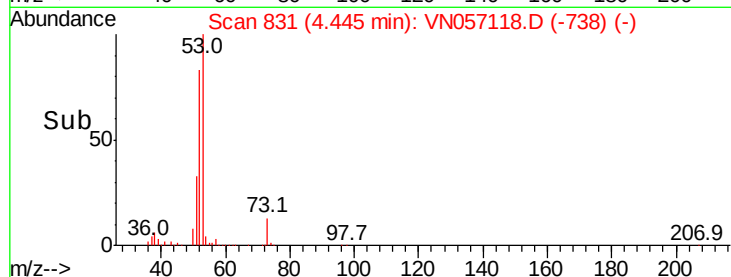
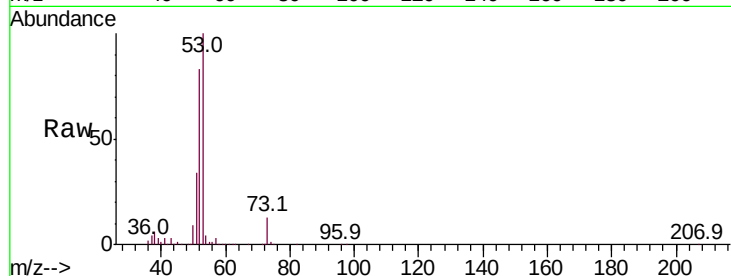
53 100

52 82.6 64.9 97.3

51 35.0 27.8 41.6

Manual Integrations  
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8/8/2019 2:40:43 PM



#16

Acetone

Concen: 233.487 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057118.D

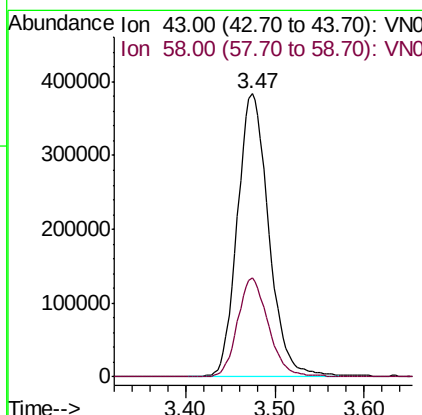
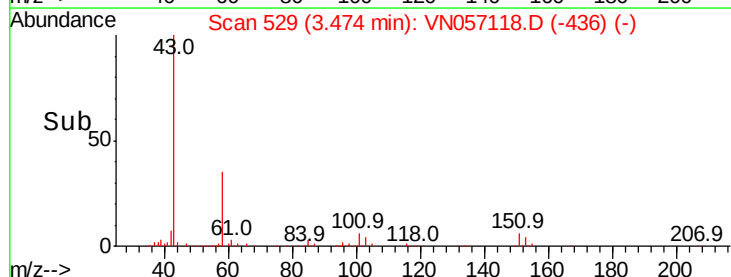
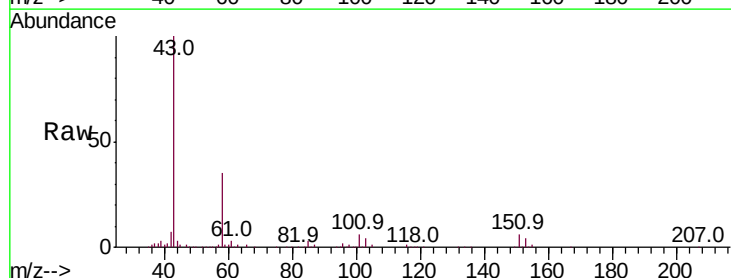
Acq: 7 Aug 2019 22:14

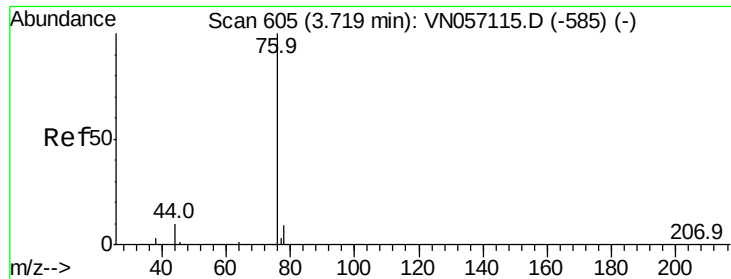
Tgt Ion: 43 Resp: 938058

Ion Ratio Lower Upper

43 100

58 34.8 27.4 41.2





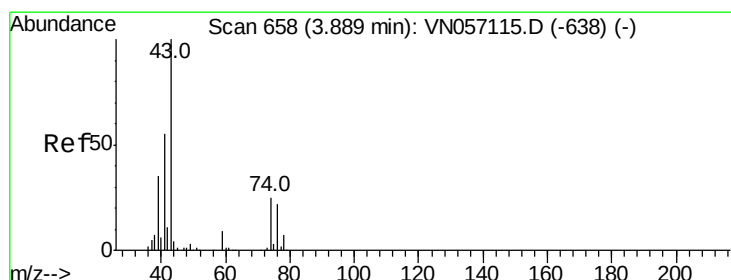
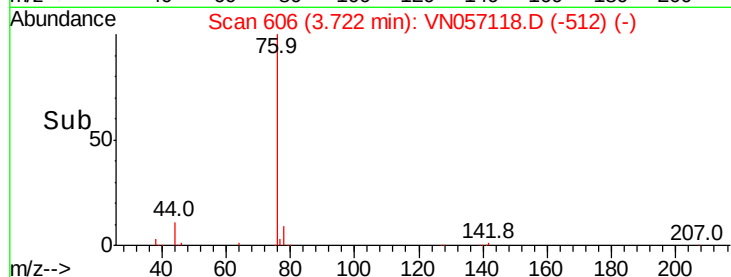
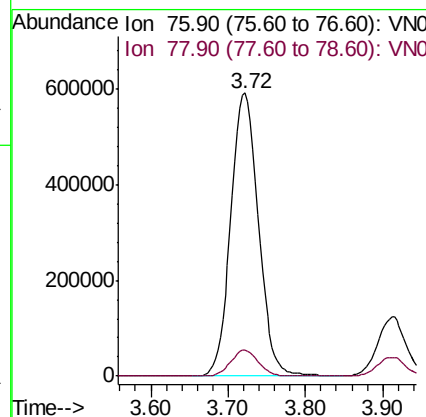
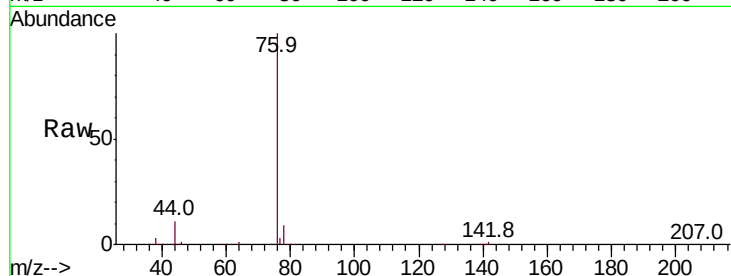
#17  
Carbon Disulfide  
Concen: 50.083 ug/l  
RT: 3.72 min Scan# 606  
Delta R.T. 0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN080719

Tot Ion: 76 Resp: 1466534  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.0 10.6

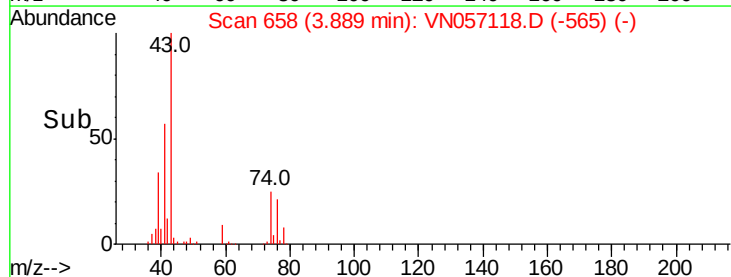
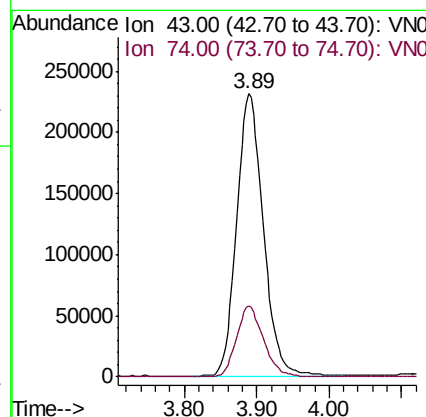
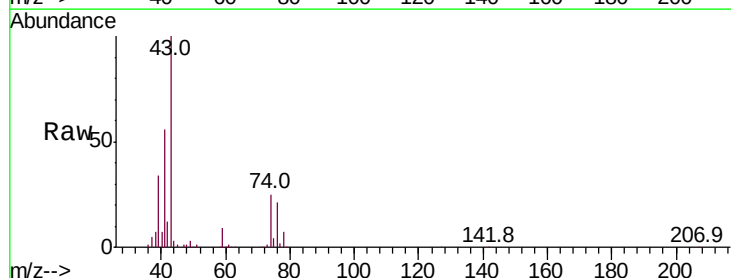
Manual Integrations  
APPROVED

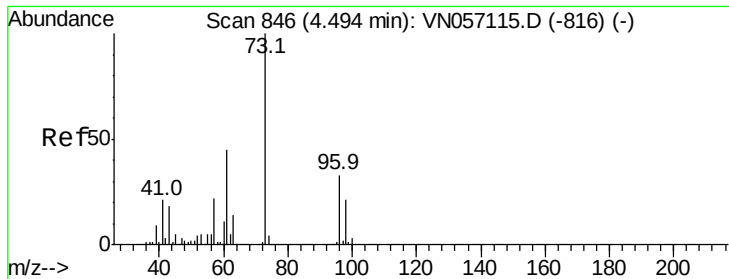
MMDadoda  
8/8/2019 2:40:43 PM



#18  
Methyl Acetate  
Concen: 49.584 ug/l  
RT: 3.89 min Scan# 658  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Tgt Ion: 43 Resp: 593597  
Ion Ratio Lower Upper  
43 100  
74 25.3 20.2 30.4





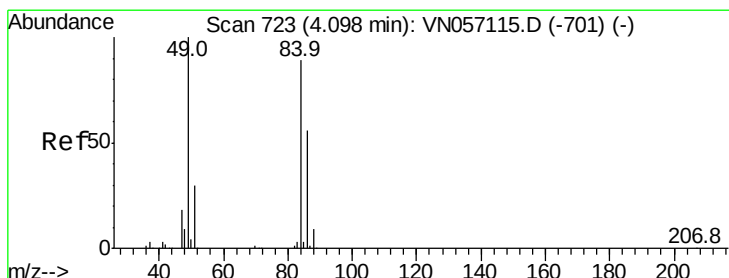
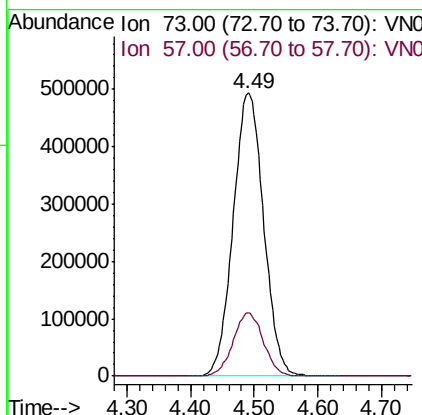
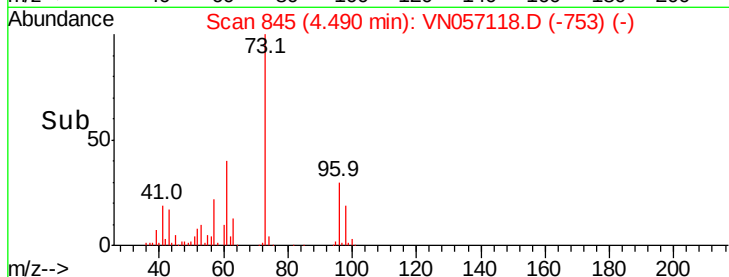
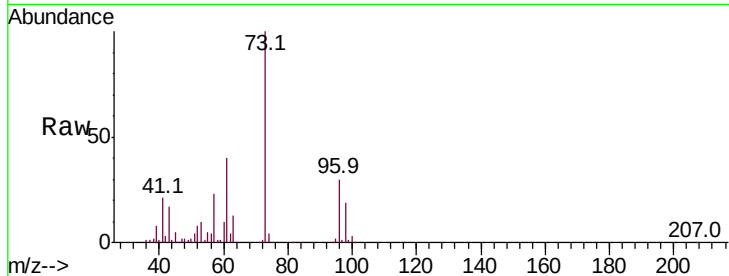
#19  
Methyl tert-butyl Ether  
Concen: 49.363 ug/l  
RT: 4.49 min Scan# 845  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN080719

Tot Ion: 73 Resp: 1640311  
Ion Ratio Lower Upper  
73 100  
57 22.6 18.0 27.0

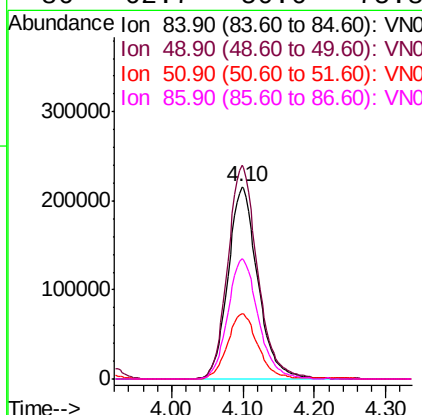
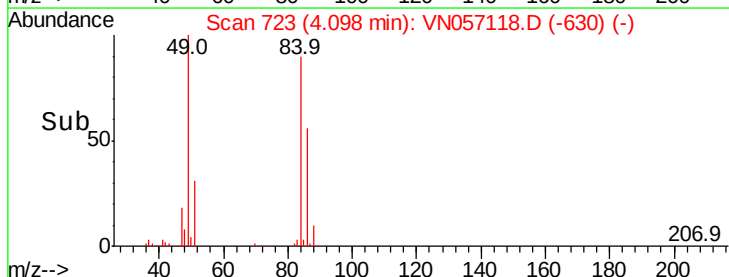
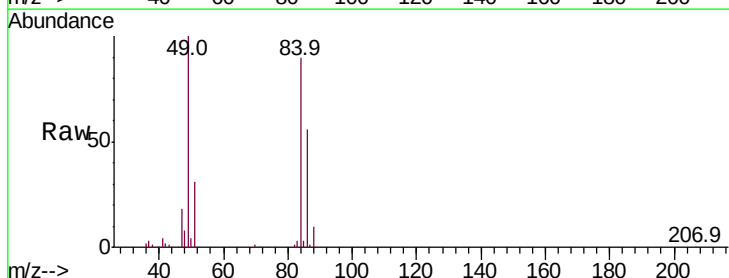
Manual Integrations  
APPROVED

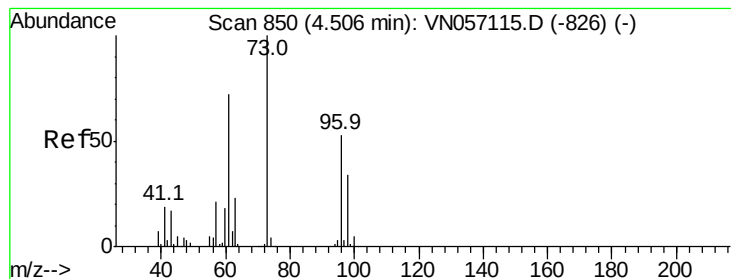
MMDadoda  
8/8/2019 2:40:43 PM



#20  
Methylene Chloride  
Concen: 47.310 ug/l  
RT: 4.10 min Scan# 723  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Tgt Ion: 84 Resp: 627300  
Ion Ratio Lower Upper  
84 100  
49 111.1 89.5 134.3  
51 34.3 27.2 40.8  
86 62.7 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 48.282 ug/l

RT: 4.51 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

ClientSampled :

ICVVN080719

Tot Ion: 96 Resp: 578909

Ion Ratio Lower Upper

96 100

61 138.7 108.1 162.1

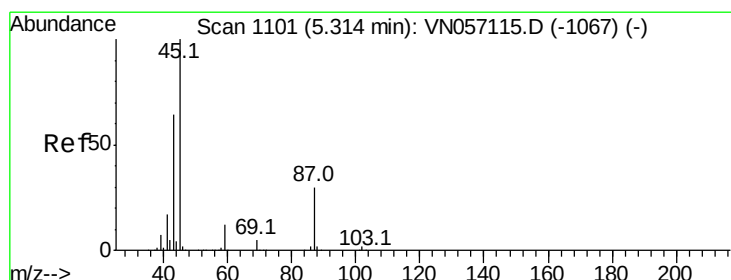
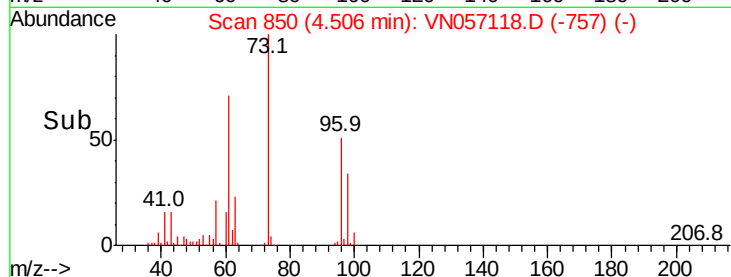
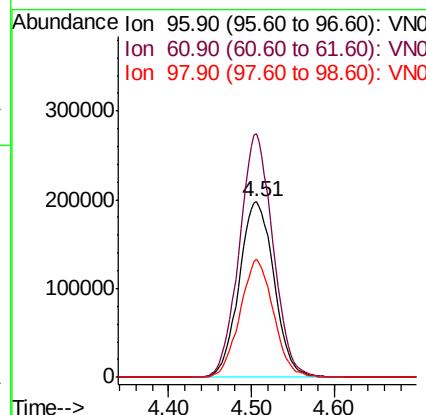
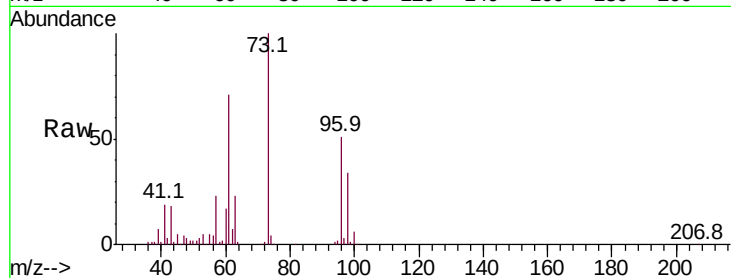
98 67.0 50.5 75.7

Manual Integrations

APPROVED

MMDadoda

8/8/2019 2:40:43 PM



#22

Diisopropyl ether

Concen: 48.857 ug/l

RT: 5.31 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Tgt Ion: 45 Resp: 1704638

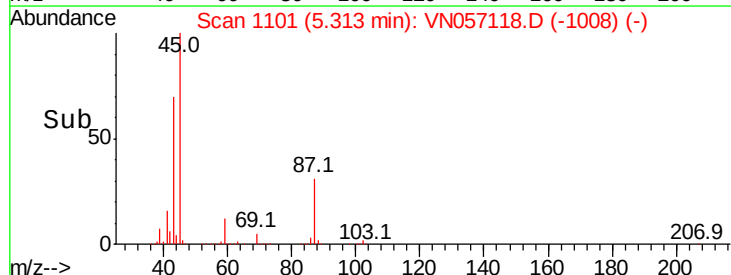
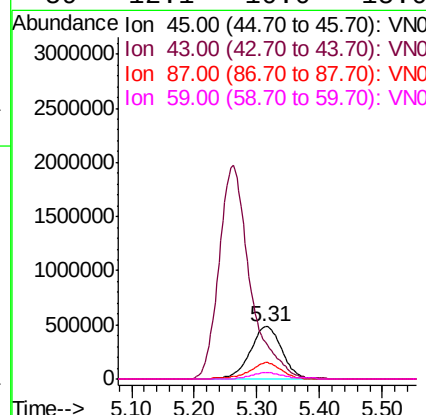
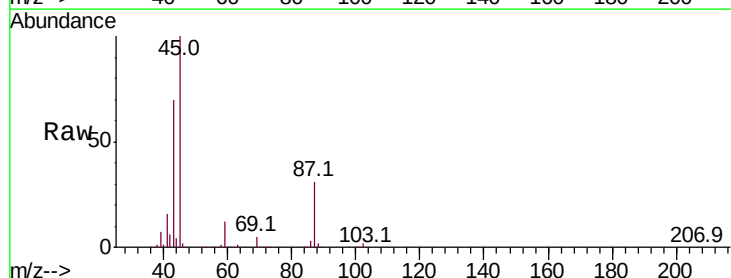
Ion Ratio Lower Upper

45 100

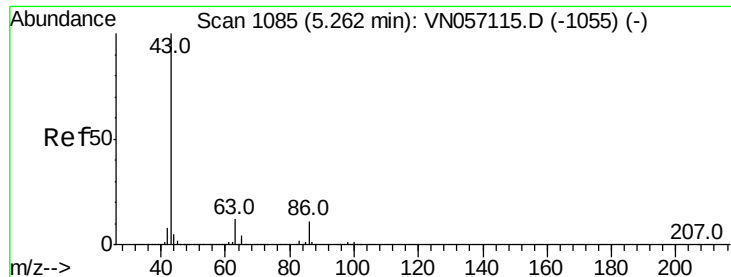
43 69.3 54.1 81.1

87 31.0 24.0 36.0

59 12.1 10.0 15.0







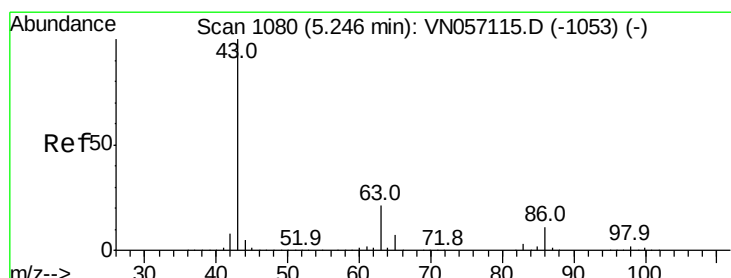
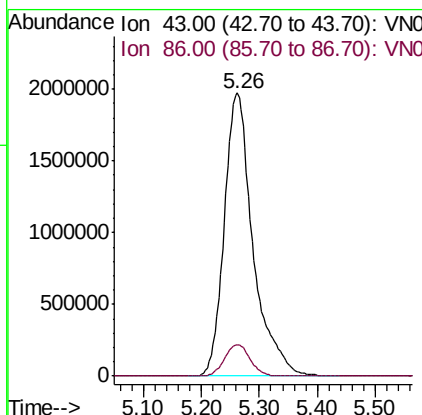
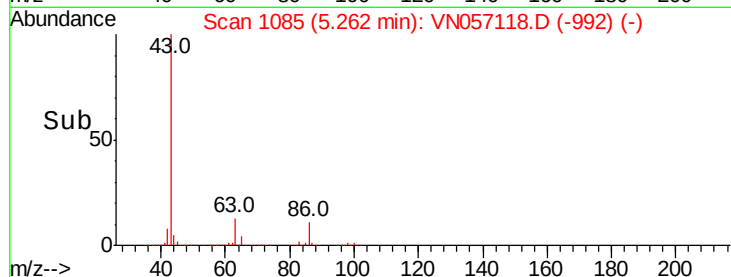
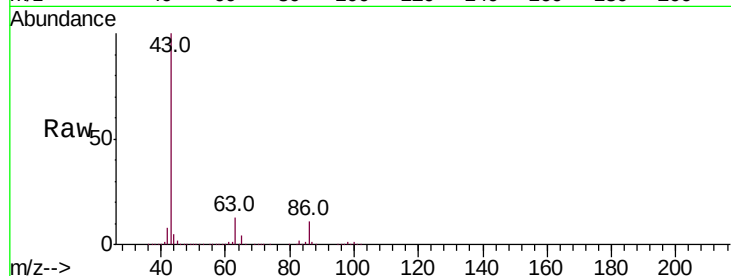
#23  
 Vinyl Acetate  
 Concen: 253.960 ug/l  
 RT: 5.26 min Scan# 1085  
 Delta R.T. -0.00 min  
 Lab File: VN057118.D  
 Acq: 7 Aug 2019 22:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN080719

Tot Ion: 43 Resp: 6785266  
 Ion Ratio Lower Upper  
 43 100  
 86 11.1 9.2 13.8

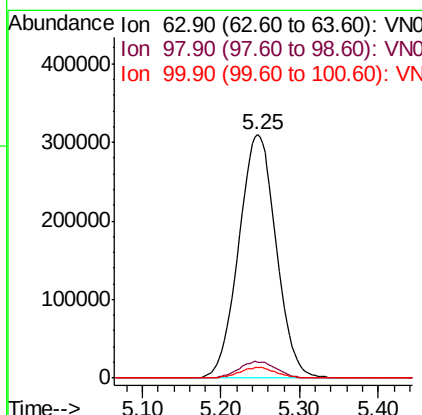
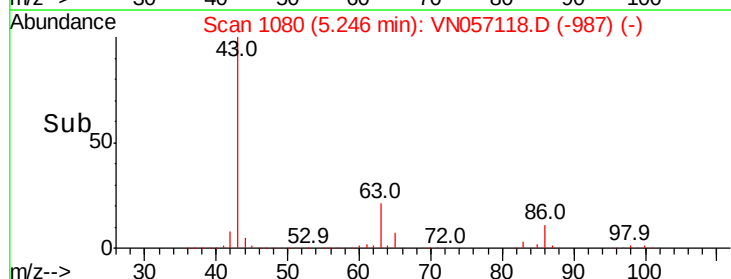
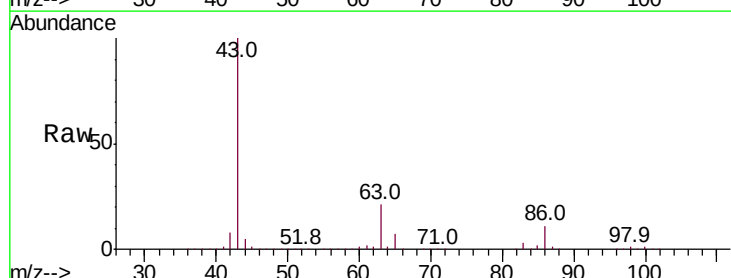
Manual Integrations  
 APPROVED

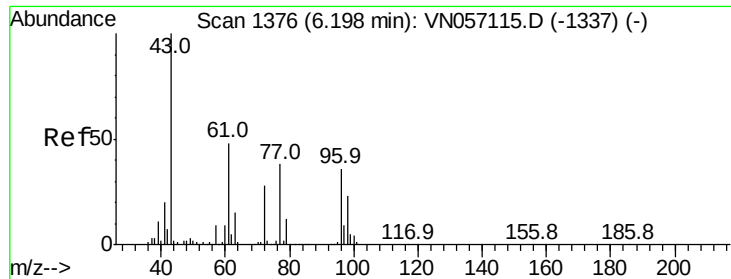
MMDadoda  
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#24  
 1,1-Dichloroethane  
 Concen: 48.327 ug/l  
 RT: 5.25 min Scan# 1080  
 Delta R.T. -0.00 min  
 Lab File: VN057118.D  
 Acq: 7 Aug 2019 22:14

Tgt Ion: 63 Resp: 1036543  
 Ion Ratio Lower Upper  
 63 100  
 98 6.7 3.8 11.2  
 100 4.4 2.1 6.3





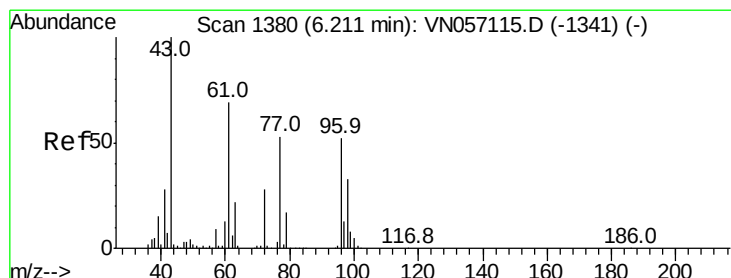
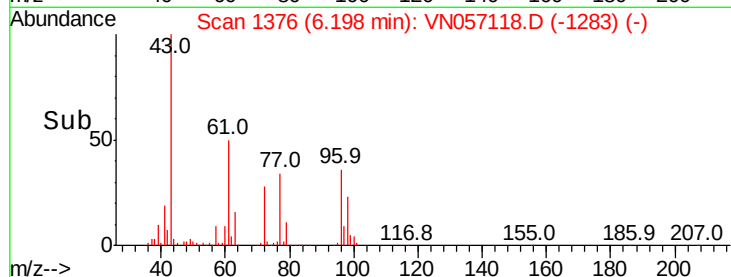
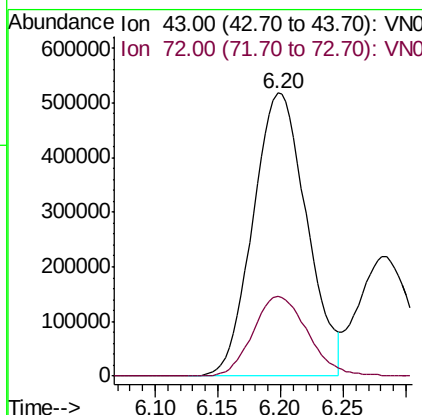
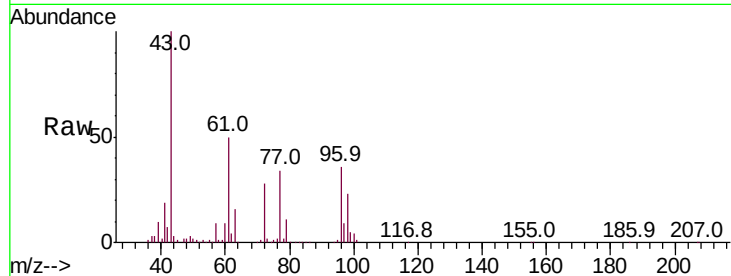
#25  
2-Butanone  
Concen: 250.898 ug/l  
RT: 6.20 min Scan# 1376  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN080719

Tot Ion: 43 Resp: 1540082  
Ion Ratio Lower Upper  
43 100  
72 28.4 22.2 33.4

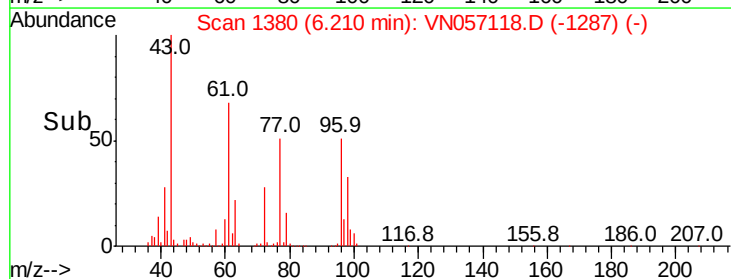
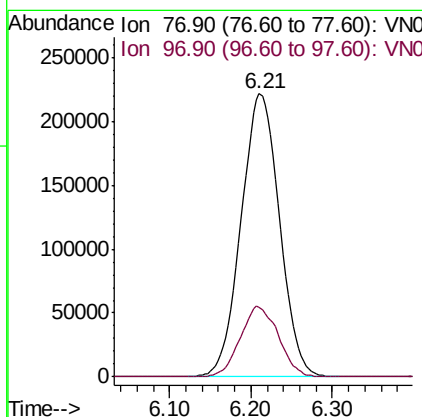
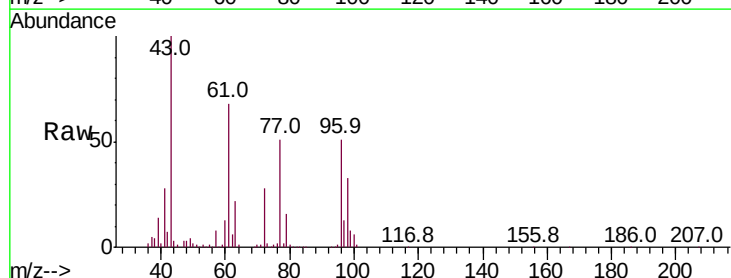
Manual Integrations  
APPROVED

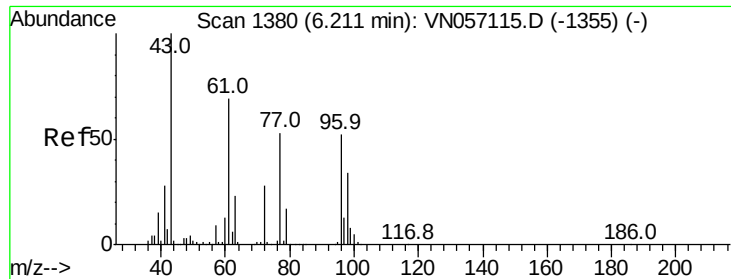
MMDadoda  
8/8/2019 2:40:43 PM



#26  
2,2-Dichloropropane  
Concen: 45.951 ug/l  
RT: 6.21 min Scan# 1380  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Tgt Ion: 77 Resp: 717044  
Ion Ratio Lower Upper  
77 100  
97 25.1 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 48.832 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VN057118.D

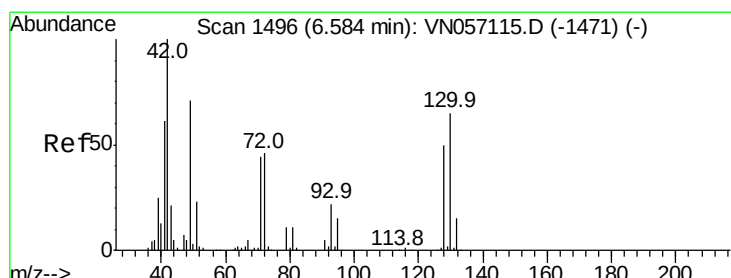
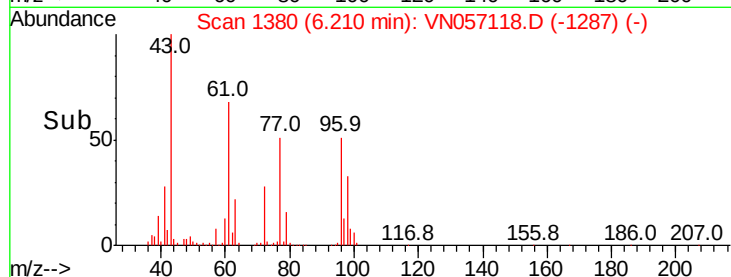
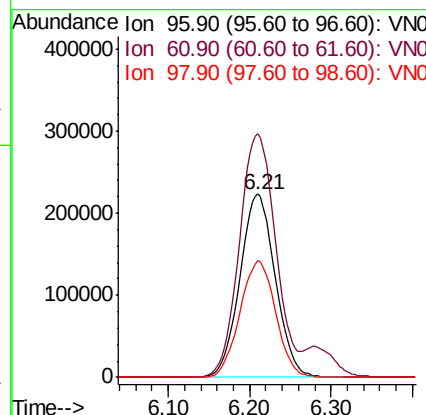
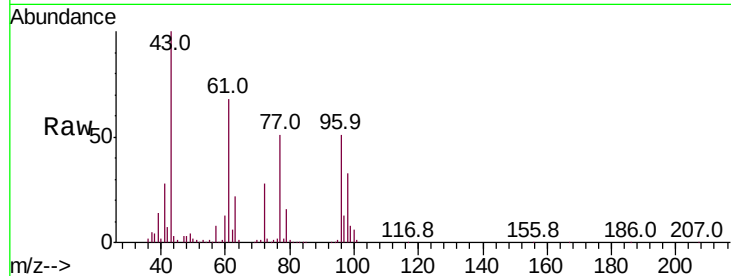
Acq: 7 Aug 2019 22:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN080719

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 670755 |       |       |
| 61      | 136.7 | 0.0    | 273.4 |       |
| 98      | 64.2  | 0.0    | 130.4 |       |

Manual Integrations  
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#28

Bromochloromethane

Concen: 51.424 ug/l

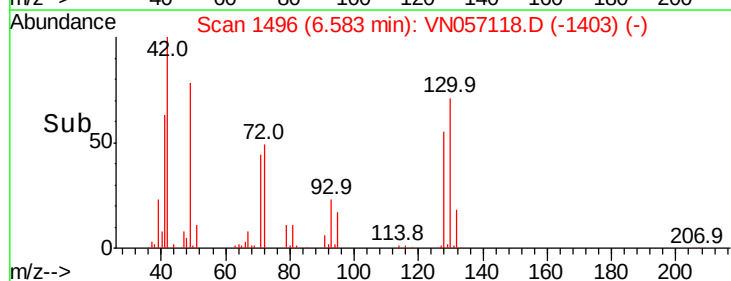
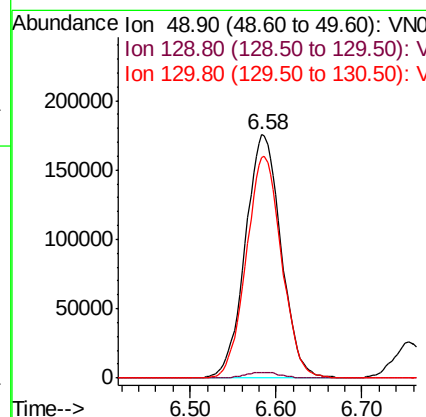
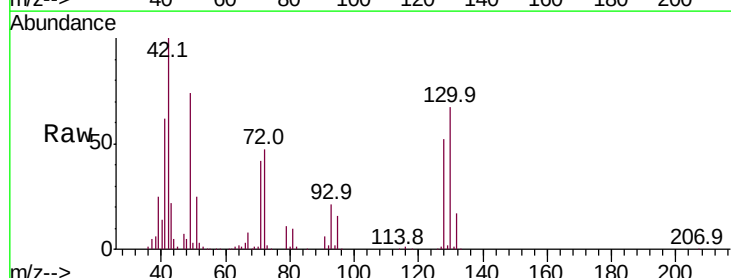
RT: 6.58 min Scan# 1496

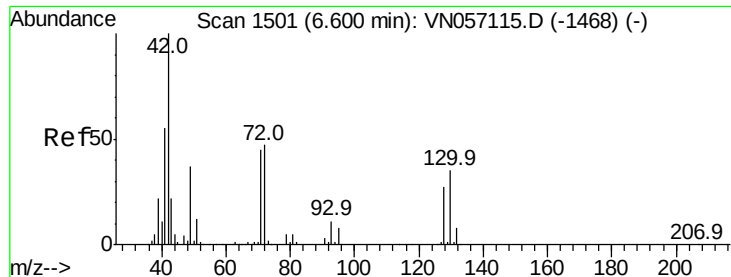
Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 507325 |       |       |
| 129     | 2.4   | 0.0    | 4.8   |       |
| 130     | 90.2  | 73.8   | 110.8 |       |





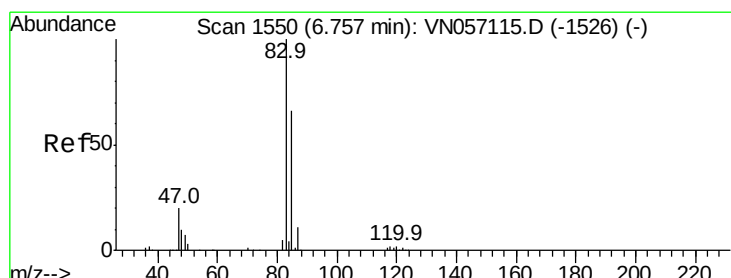
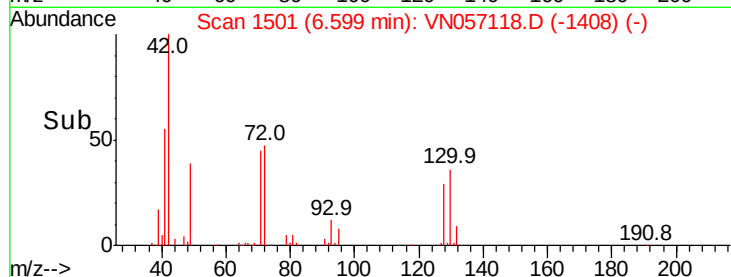
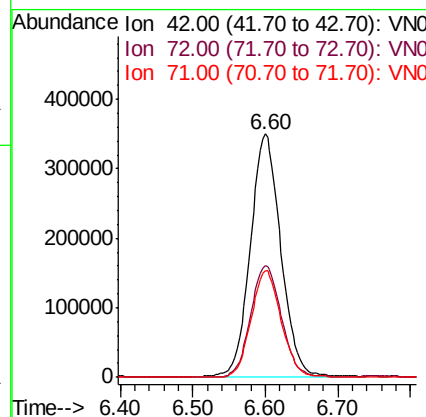
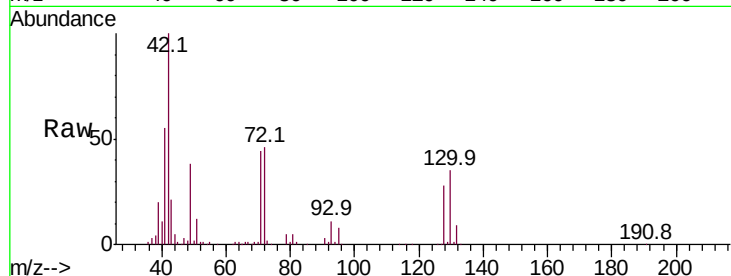
#29  
Tetrahydrofuran  
Concen: 247.862 ug/l  
RT: 6.60 min Scan# 1501  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN080719

Tot Ion: 42 Resp: 1024910  
Ion Ratio Lower Upper  
42 100  
72 46.4 37.1 55.7  
71 43.3 34.8 52.2

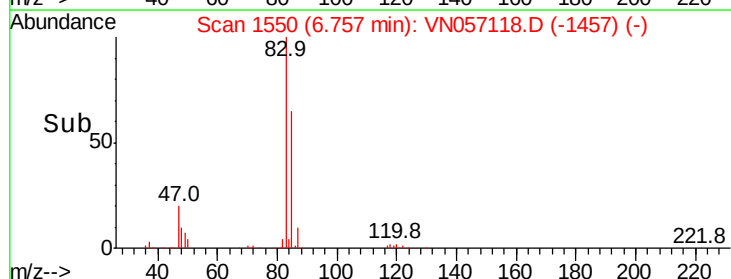
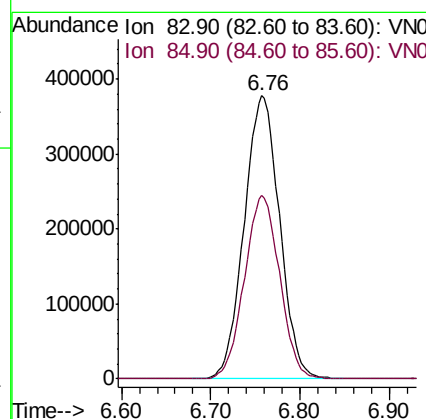
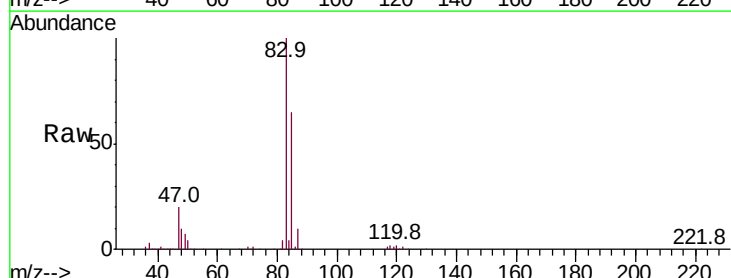
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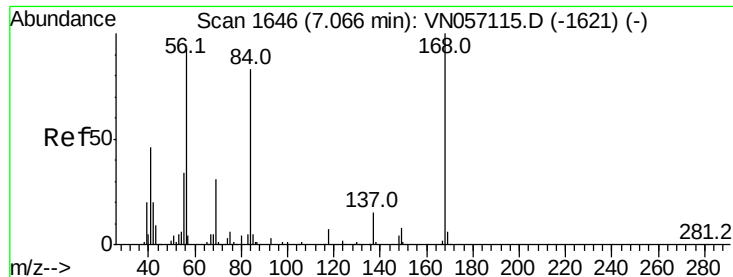
MMDadoda  
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#30  
Chloroform  
Concen: 46.962 ug/l  
RT: 6.76 min Scan# 1550  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Tgt Ion: 83 Resp: 1042528  
Ion Ratio Lower Upper  
83 100  
85 64.9 52.6 78.8





#31

Cyclohexane

Concen: 46.942 ug/l

RT: 7.06 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

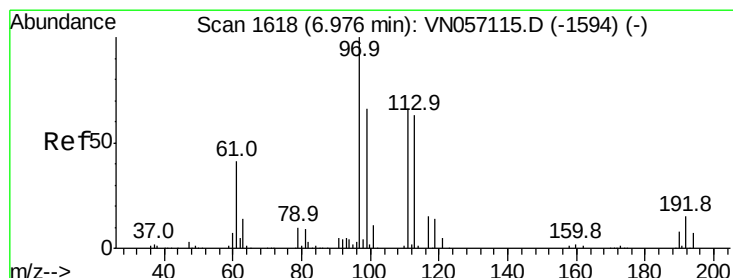
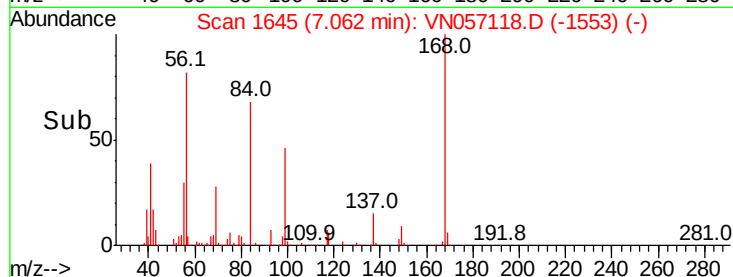
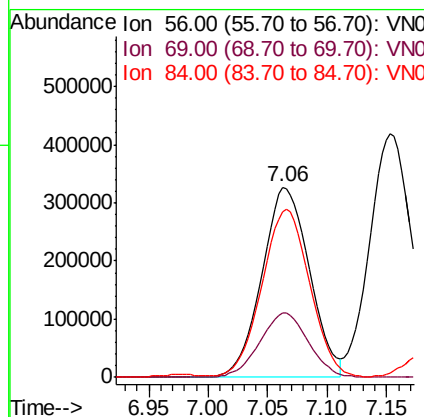
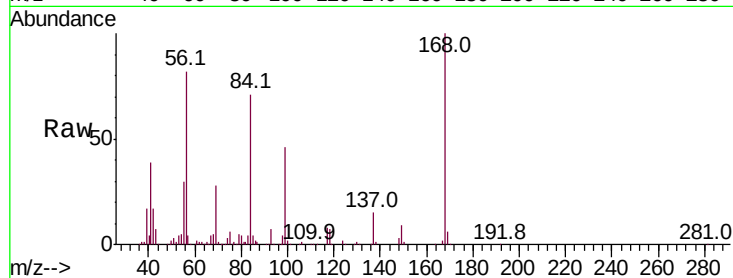
ClientSampleId :

ICVVN080719

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 905811 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 33.9  | 26.9  | 40.3   |
| 84        | 85.8  | 71.9  | 107.9  |

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#32

1,1,1-Trichloroethane

Concen: 48.346 ug/l

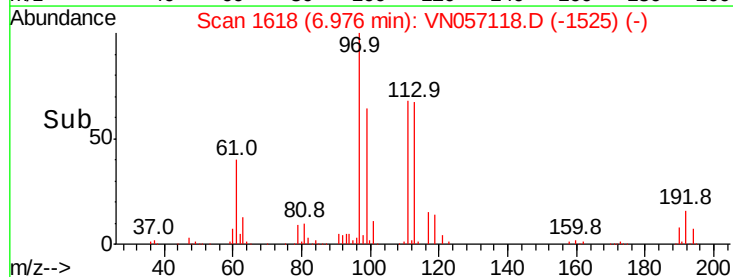
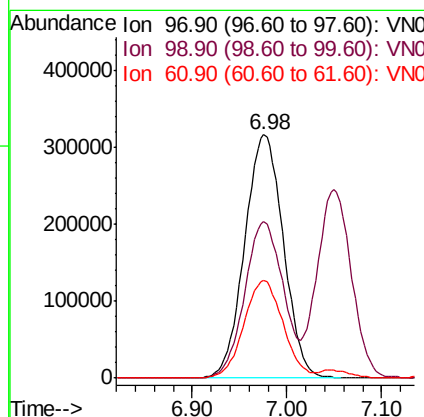
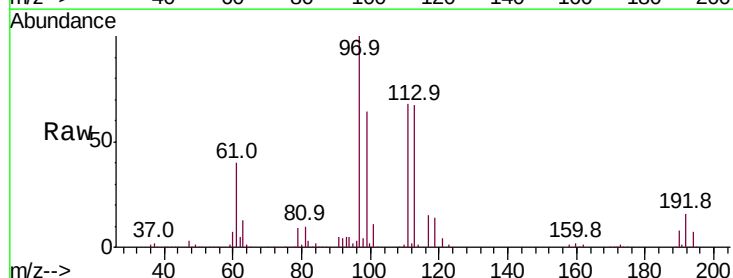
RT: 6.98 min Scan# 1618

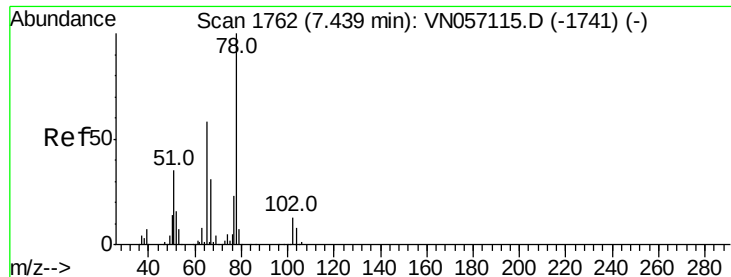
Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 900322 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.4  | 51.8  | 77.6   |
| 61        | 40.5  | 32.7  | 49.1   |





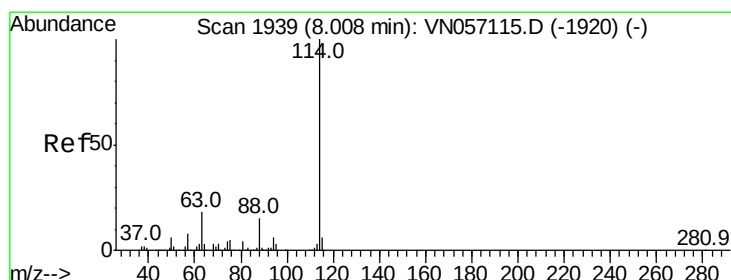
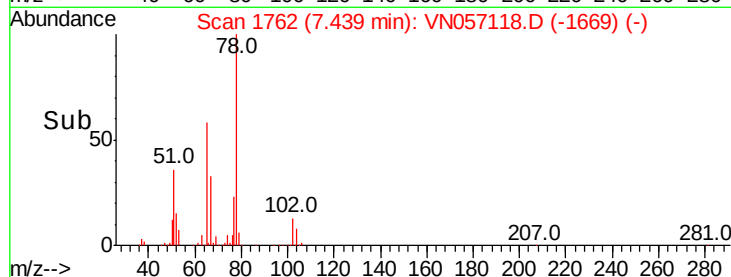
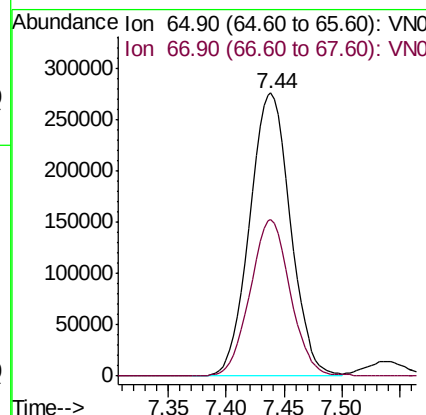
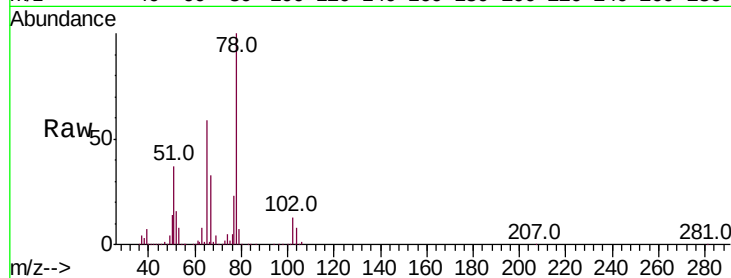
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.759 ug/l  
 RT: 7.44 min Scan# 1762  
 Delta R.T. -0.00 min  
 Lab File: VN057118.D  
 Acq: 7 Aug 2019 22:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN080719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 54.5  | 0.0   | 108.2 |

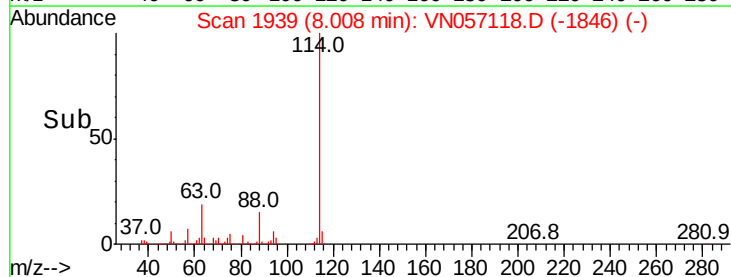
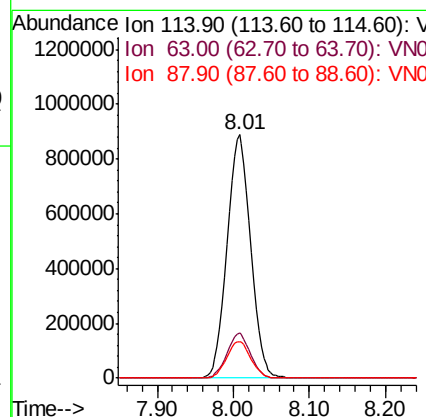
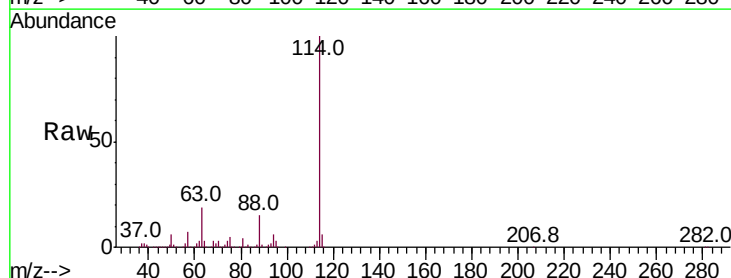
Manual Integrations  
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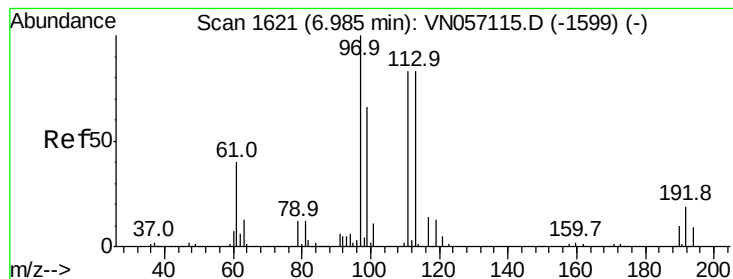
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.01 min Scan# 1939  
 Delta R.T. -0.00 min  
 Lab File: VN057118.D  
 Acq: 7 Aug 2019 22:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.7  | 0.0   | 36.2  |
| 88      | 15.1  | 0.0   | 30.0  |





#35

Dibromofluoromethane

Concen: 51.912 ug/l

RT: 6.98 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

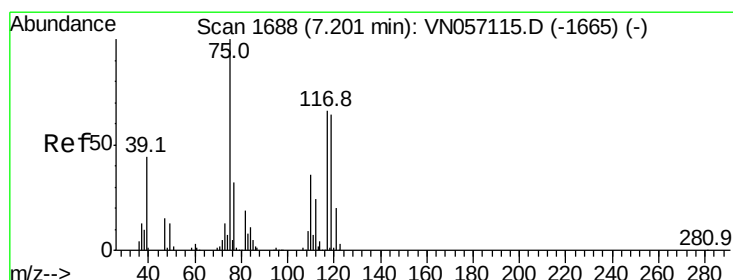
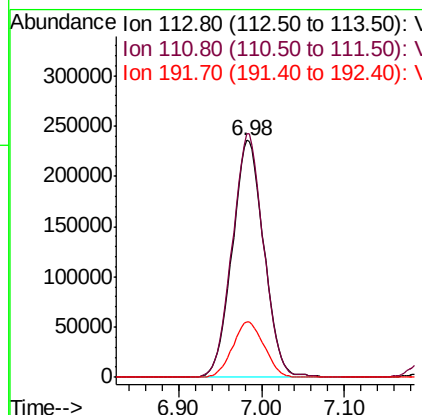
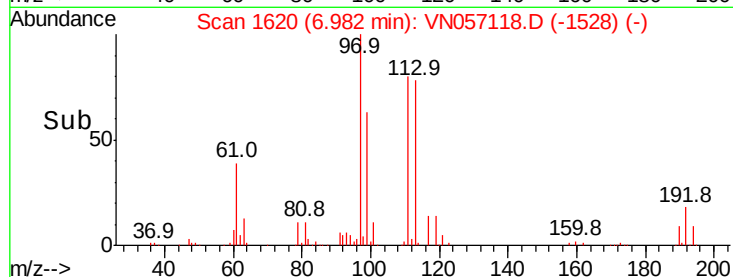
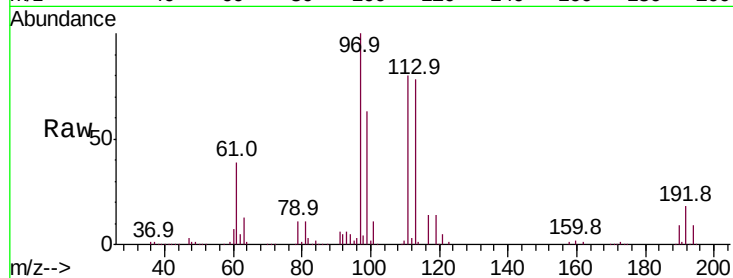
ClientSampleId :

ICVVN080719

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 113   | Resp: | 625756 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 101.7 | 81.3  | 121.9  |
| 192      | 23.4  | 19.0  | 28.4   |

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#36

1,1-Dichloropropene

Concen: 49.897 ug/l

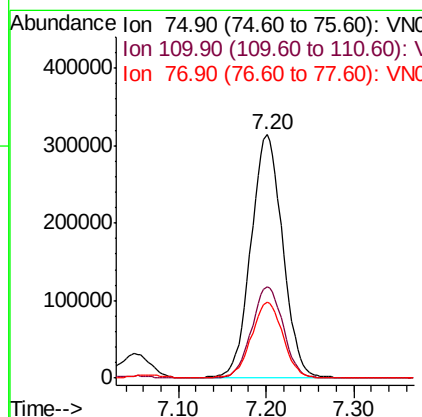
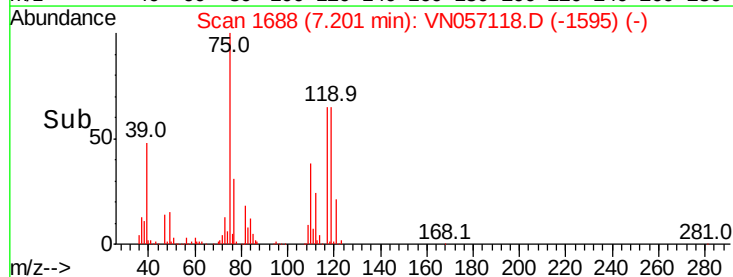
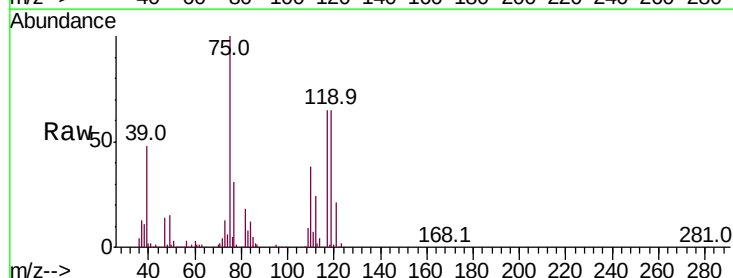
RT: 7.20 min Scan# 1688

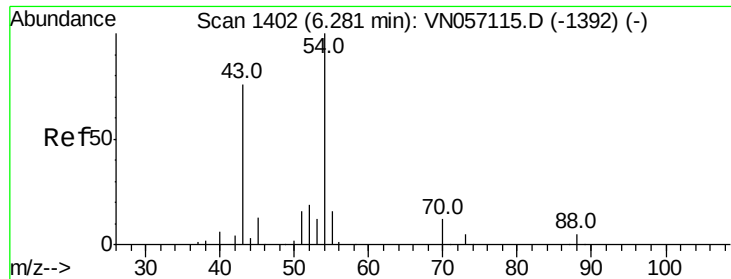
Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 789178 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 37.4  | 18.7  | 56.1   |
| 77       | 30.9  | 25.0  | 37.4   |





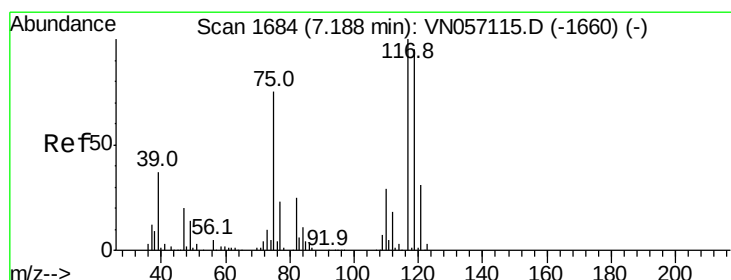
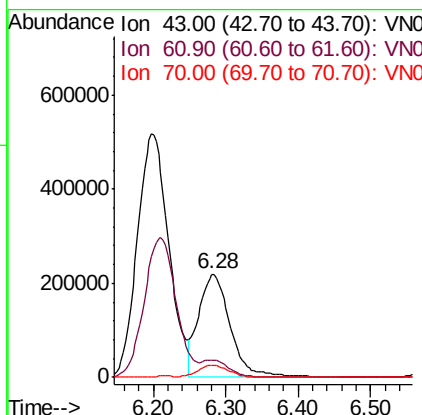
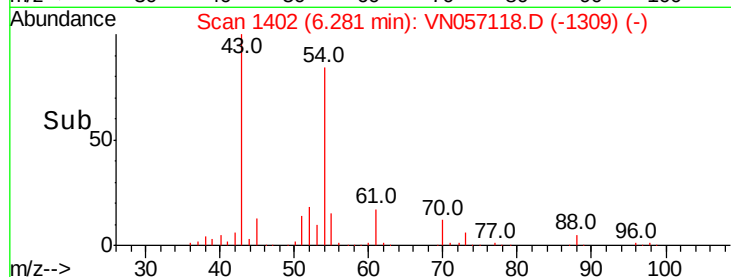
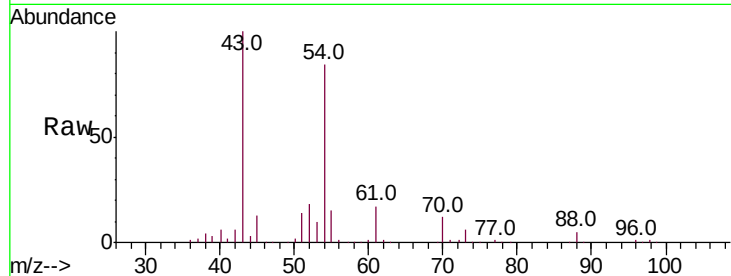
#37  
Ethyl Acetate  
Concen: 50.141 ug/l  
RT: 6.28 min Scan# 1402  
Delta R.T. 0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN080719

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 653737 |       |       |
| 61      | 0.0   | 0.0    | 0.0   | 0.0   |
| 70      | 11.2  | 9.1    | 13.7  |       |

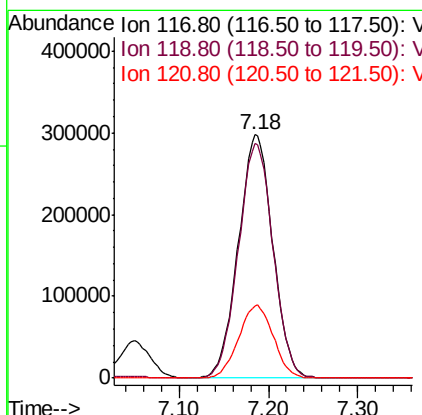
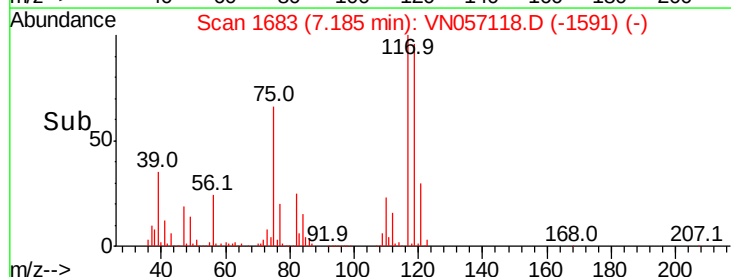
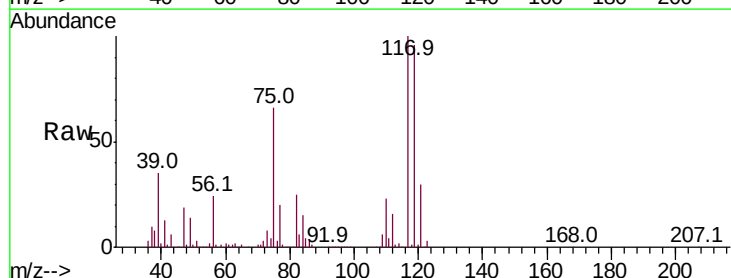
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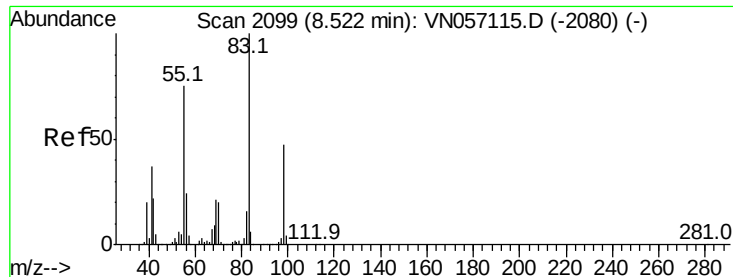


#38  
Carbon Tetrachloride  
Concen: 48.147 ug/l  
RT: 7.18 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 793617 |       |       |
| 119     | 96.4  | 75.8   | 113.6 |       |
| 121     | 29.8  | 24.4   | 36.6  |       |







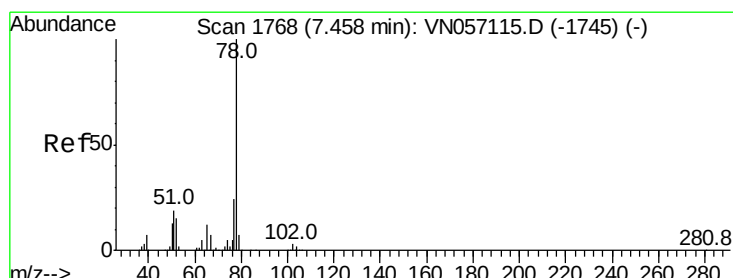
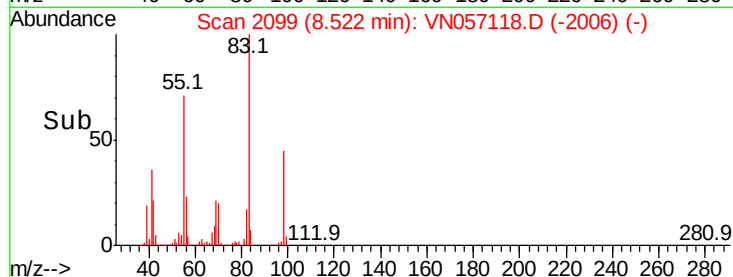
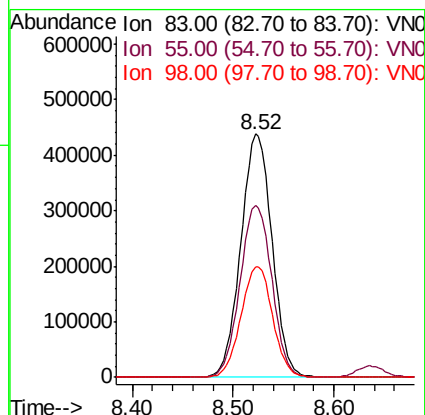
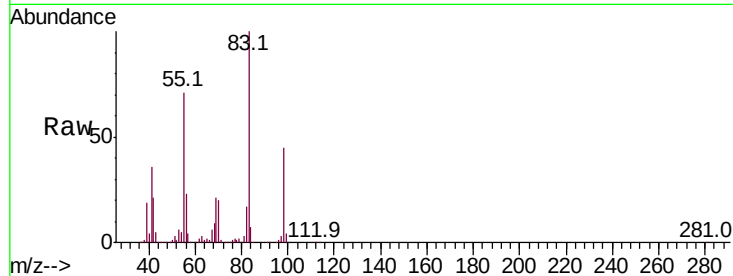
#39  
Methylvlcyclohexane  
Concen: 48.922 ug/l  
RT: 8.52 min Scan# 2099  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN080719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 70.7  | 60.3  | 90.5  |
| 98      | 45.2  | 37.9  | 56.9  |

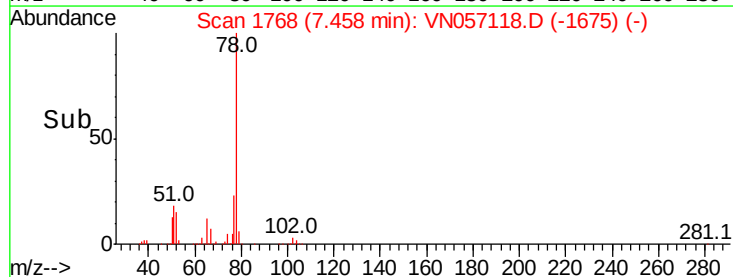
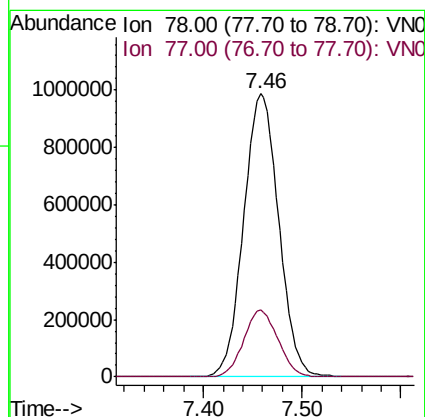
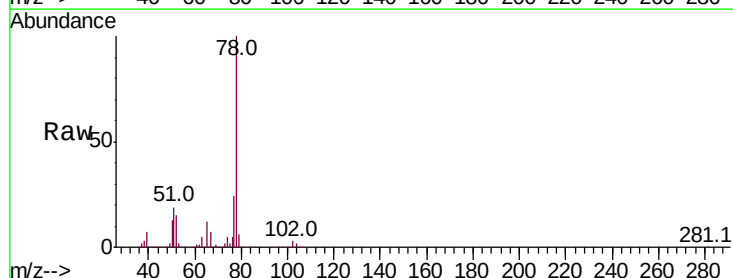
Manual Integrations  
APPROVED

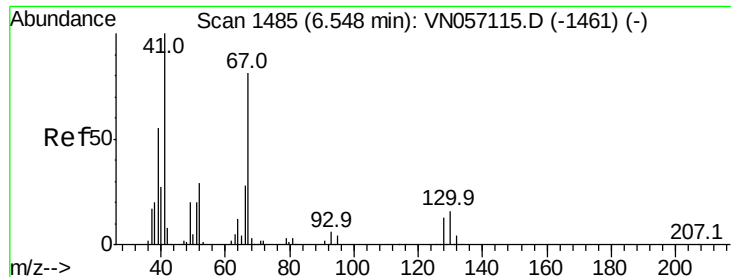
MMDadoda  
8/8/2019 2:40:43 PM



#40  
Benzene  
Concen: 48.460 ug/l  
RT: 7.46 min Scan# 1768  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.7  | 19.2  | 28.8  |





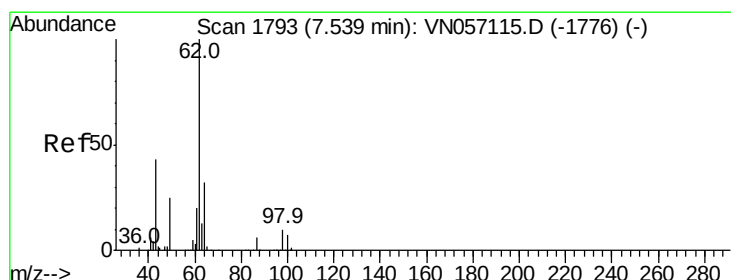
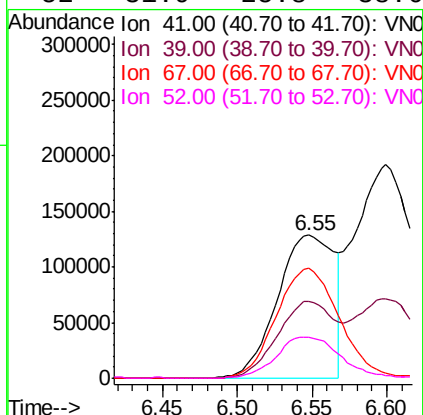
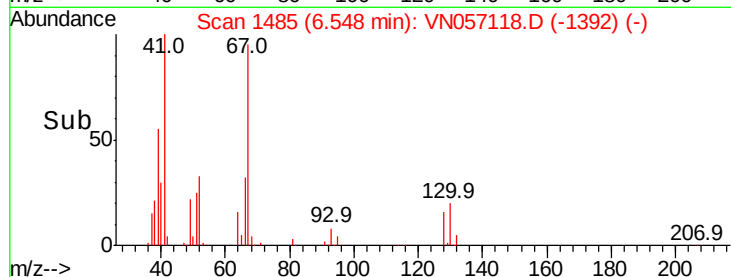
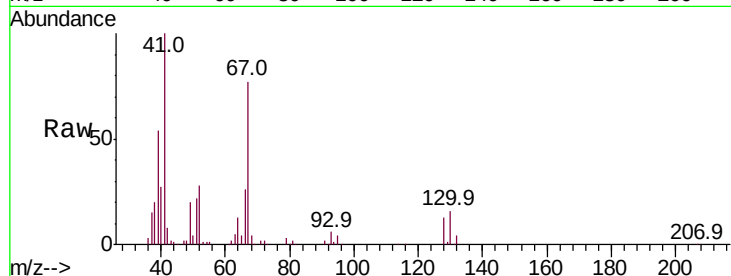
#41  
Methacrylonitrile  
Concen: 51.151 ug/l  
RT: 6.55 min Scan# 1485  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN080719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 54.5  | 44.9  | 67.3  |
| 67      | 85.7  | 69.1  | 103.7 |
| 52      | 31.9  | 25.8  | 38.6  |

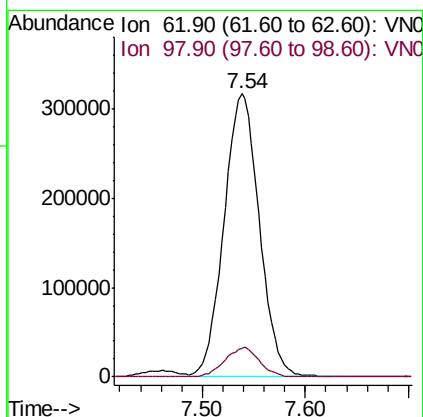
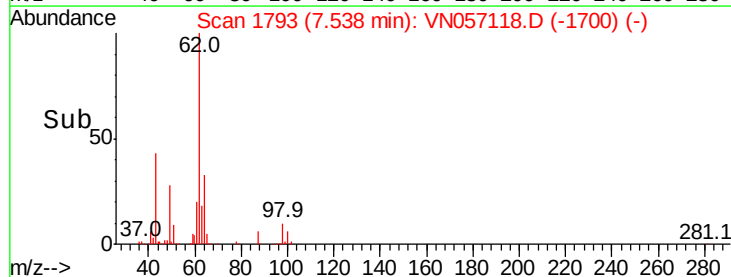
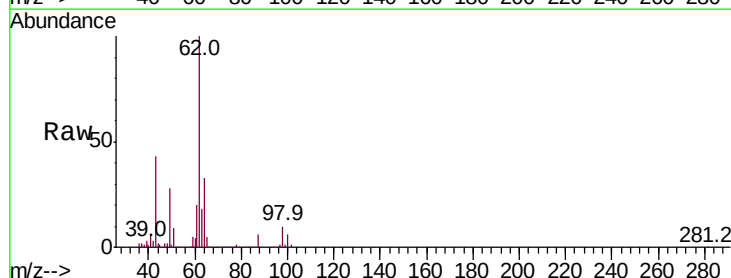
Manual Integrations  
APPROVED

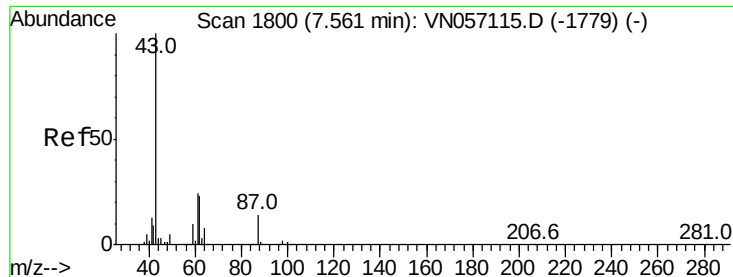
MMDadoda  
8/8/2019 2:40:43 PM



#42  
1,2-Dichloroethane  
Concen: 47.183 ug/l  
RT: 7.54 min Scan# 1793  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.2  | 0.0   | 19.4  |





#43

Isopropyl Acetate

Concen: 49.186 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN080719

Tot Ion: 43 Resp: 1094355

Ion Ratio Lower Upper

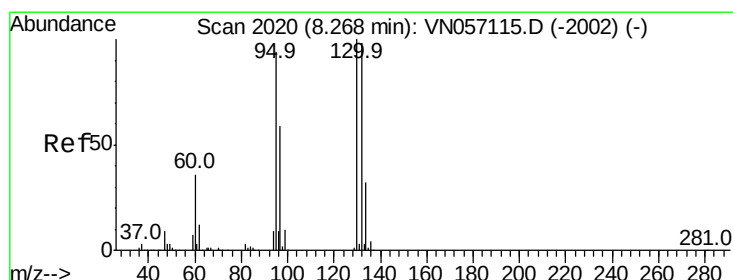
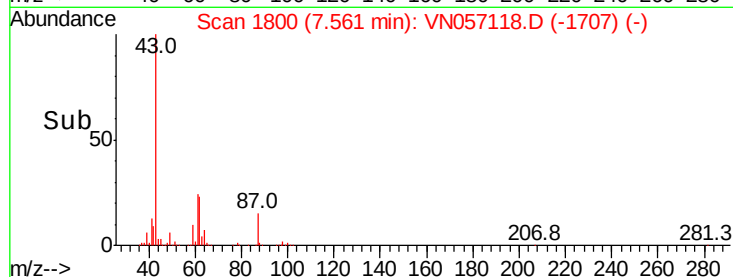
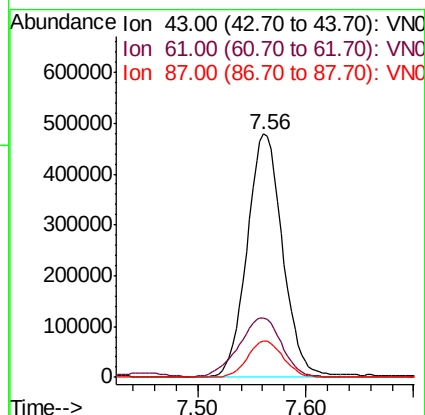
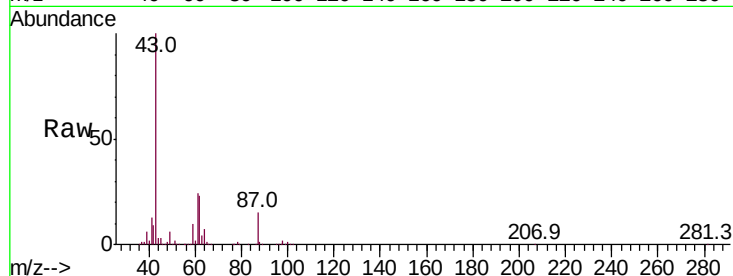
43 100

61 29.5 24.2 36.2

87 15.2 11.8 17.8

Manual Integrations  
APPROVED

MMDadoda  
8/8/2019 2:40:43 PM



#44

Trichloroethene

Concen: 49.083 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VN057118.D

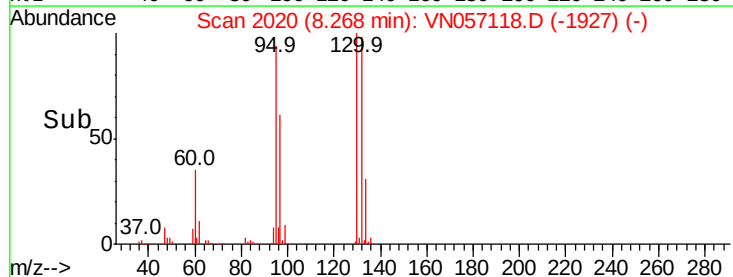
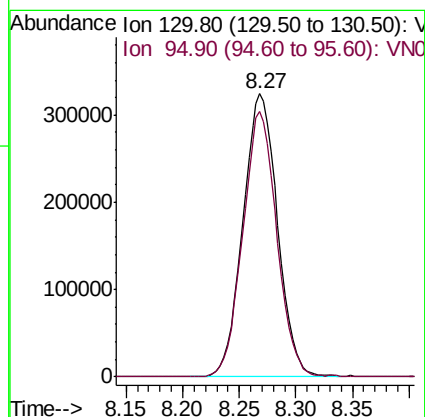
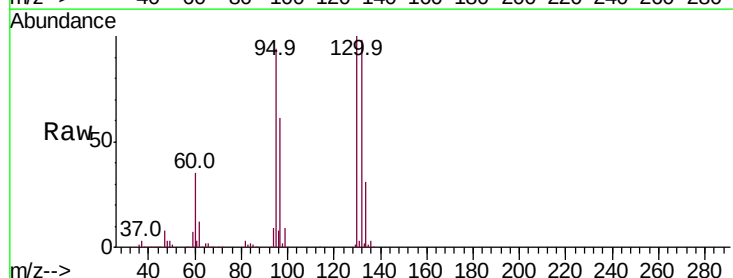
Acq: 7 Aug 2019 22:14

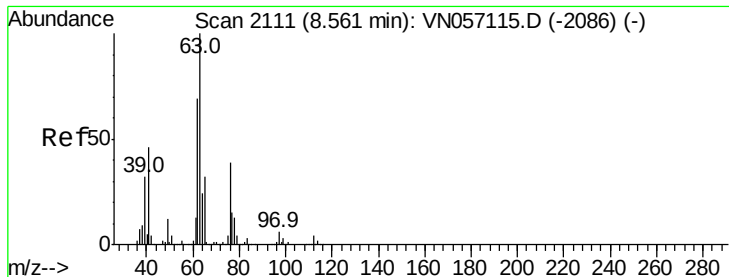
Tgt Ion:130 Resp: 688509

Ion Ratio Lower Upper

130 100

95 93.7 0.0 187.4





#45

1,2-Dichloropropane

Concen: 48.880 ug/l

RT: 8.56 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN080719

Tot Ion: 63 Resp: 633690

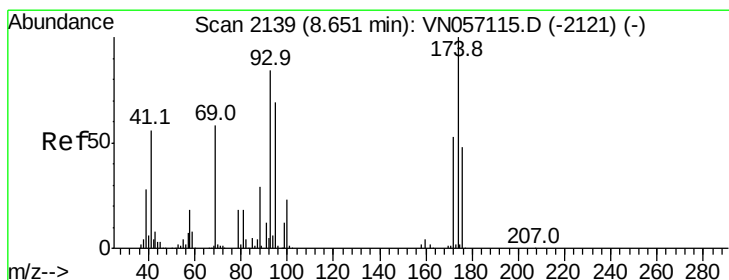
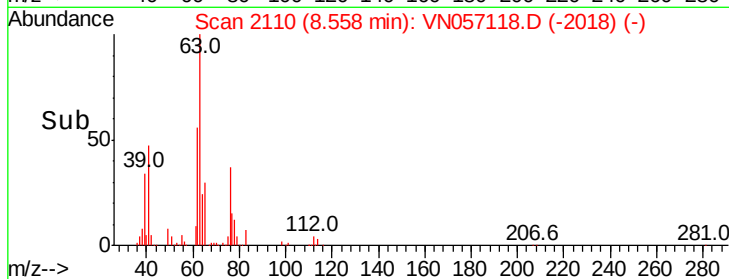
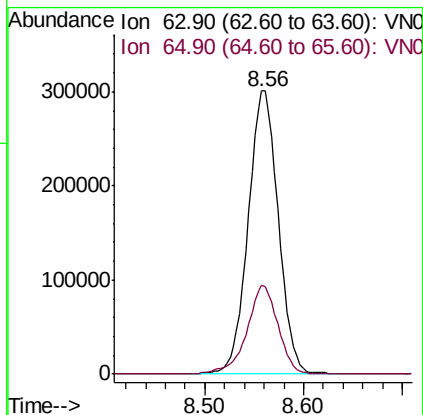
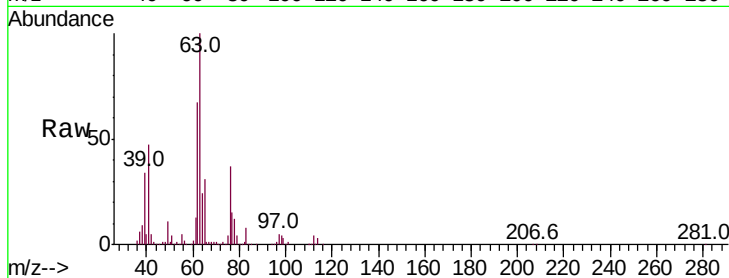
Ion Ratio Lower Upper

63 100

65 31.3 25.2 37.8

Manual Integrations  
APPROVED

MMDadoda  
8/8/2019 2:40:43 PM



#46

Dibromomethane

Concen: 48.986 ug/l

RT: 8.65 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

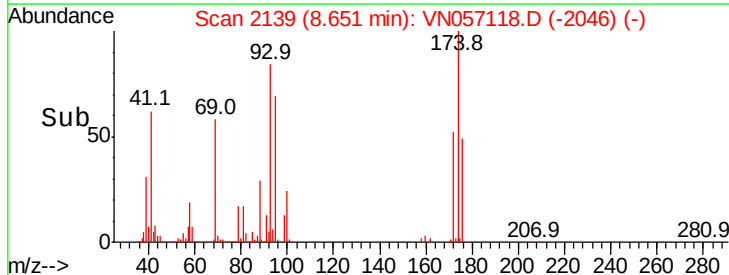
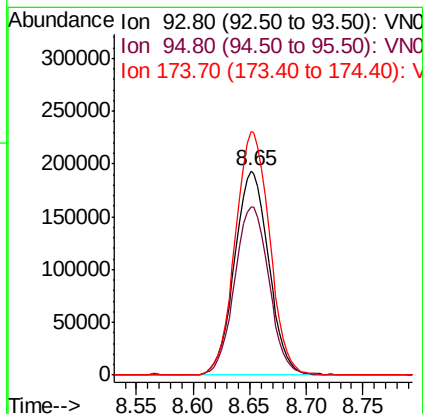
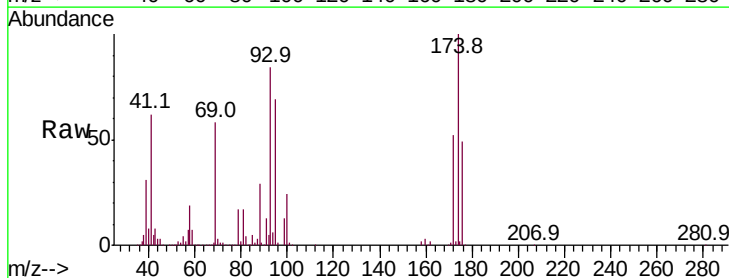
Tgt Ion: 93 Resp: 407200

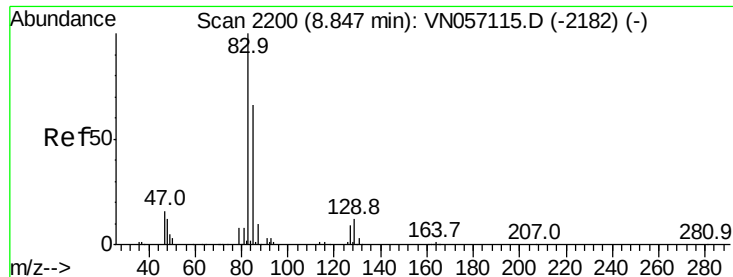
Ion Ratio Lower Upper

93 100

95 82.9 66.0 99.0

174 119.7 96.0 144.0





#47

Bromodichloromethane

Concen: 49.795 ug/l

RT: 8.85 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

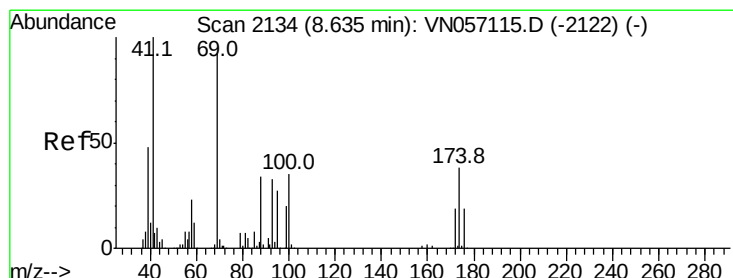
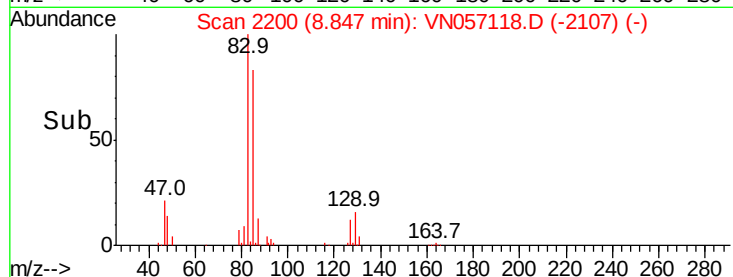
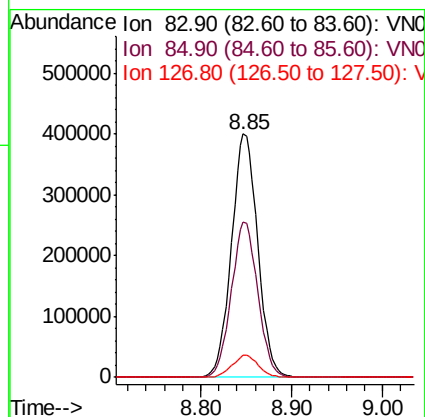
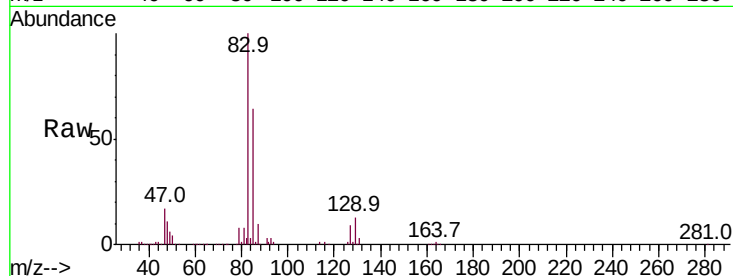
ClientSampleId :

ICVVN080719

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 800907 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.0  | 52.6  | 78.8   |
| 127      | 8.9   | 7.5   | 11.3   |

Manual Integrations  
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MMDadoda  
8/8/2019 2:40:43 PM



#48

Methyl methacrylate

Concen: 48.904 ug/l

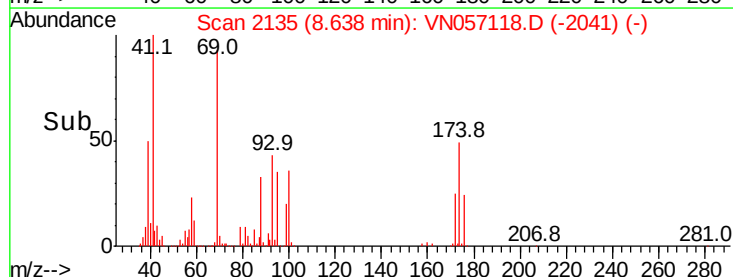
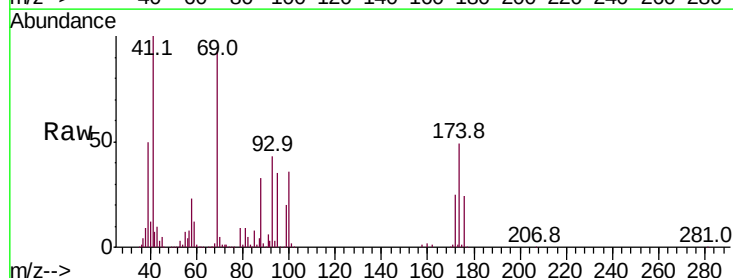
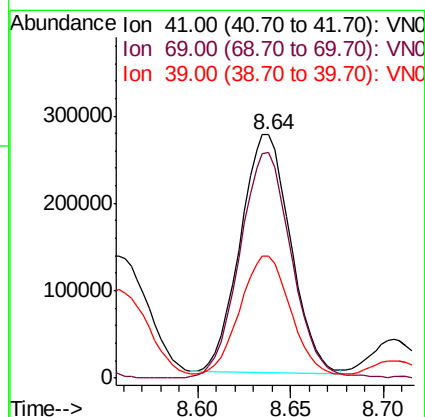
RT: 8.64 min Scan# 2135

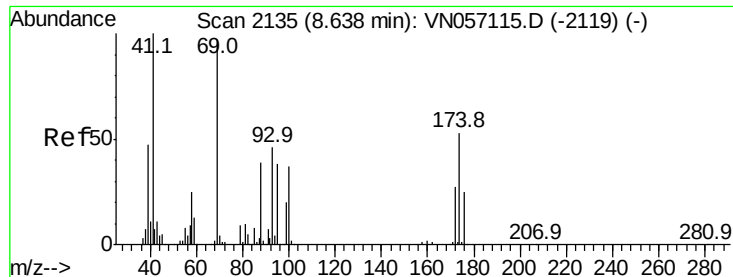
Delta R.T. 0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 513078 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 97.9  | 77.5  | 116.3  |
| 39       | 52.8  | 39.8  | 59.6   |





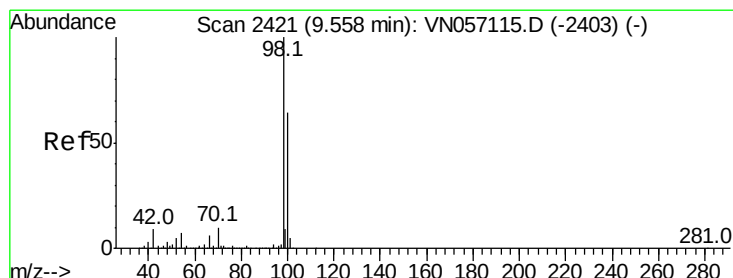
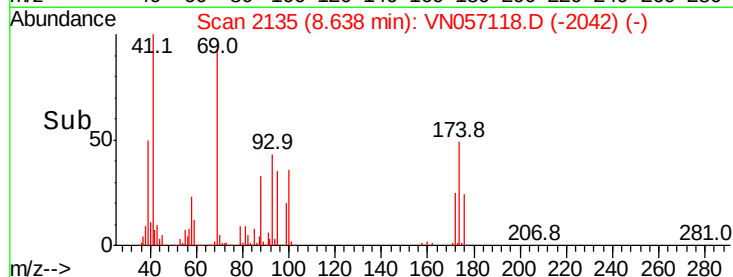
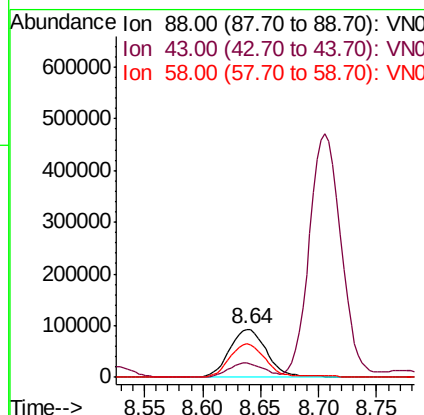
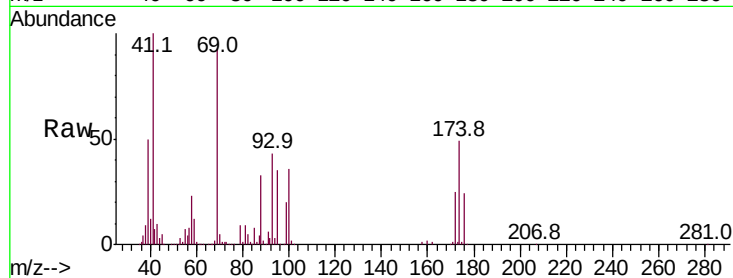
#49  
1,4-Dioxane  
Concen: 979.148 ug/l  
RT: 8.64 min Scan# 2135  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN080719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 27.8  | 21.7  | 32.5  |
| 58      | 66.6  | 51.1  | 76.7  |

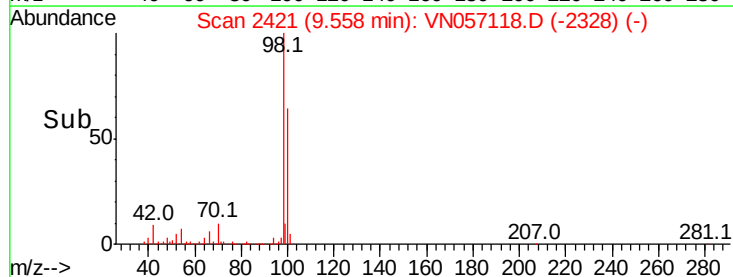
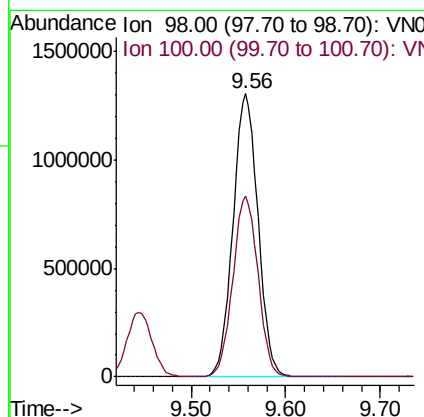
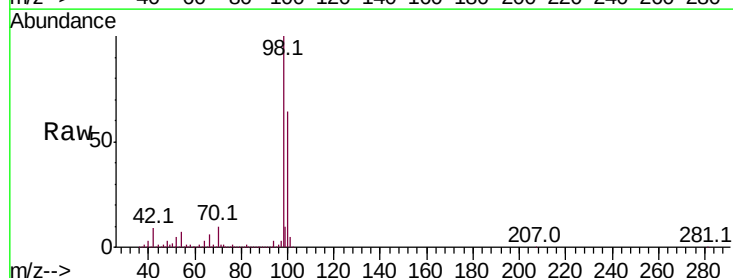
Manual Integrations  
APPROVED

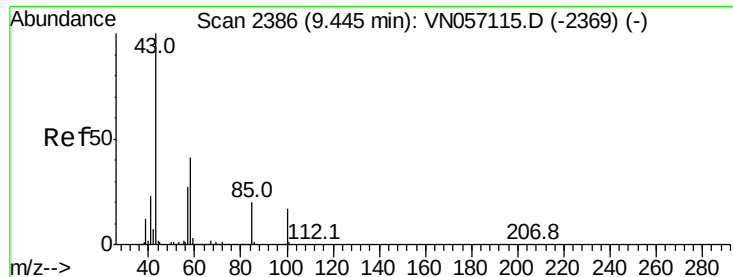
MMDadoda  
8/8/2019 2:40:43 PM



#50  
Toluene-d8  
Concen: 51.921 ug/l  
RT: 9.56 min Scan# 2421  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.4  | 51.2  | 76.8  |





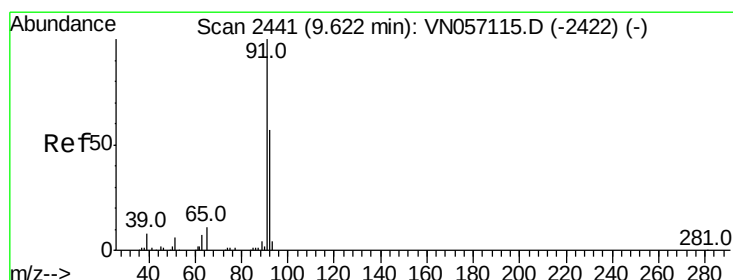
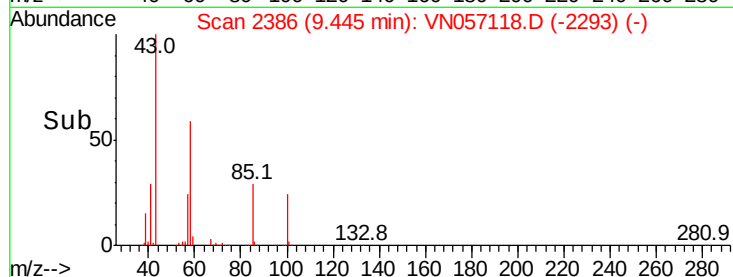
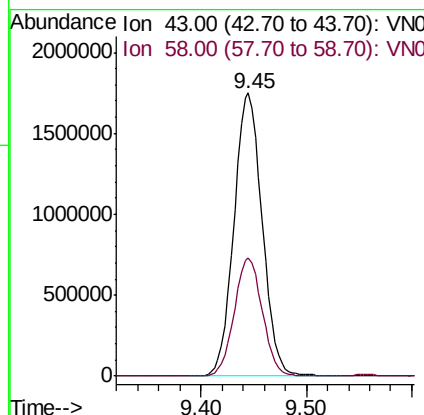
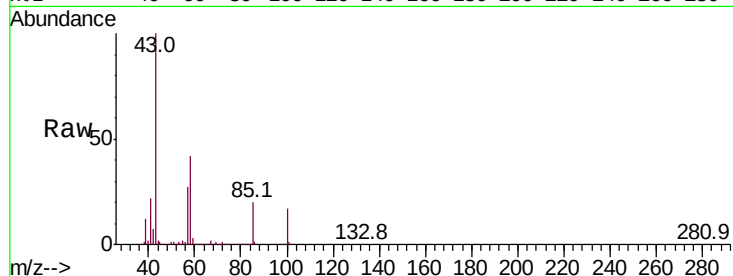
#51  
 4-Methyl-2-Pentanone  
 Concen: 249.484 ug/l  
 RT: 9.45 min Scan# 2386  
 Delta R.T. -0.00 min  
 Lab File: VN057118.D  
 Acq: 7 Aug 2019 22:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN080719

Tot Ion: 43 Resp: 3230576  
 Ion Ratio Lower Upper  
 43 100  
 58 41.7 33.2 49.8

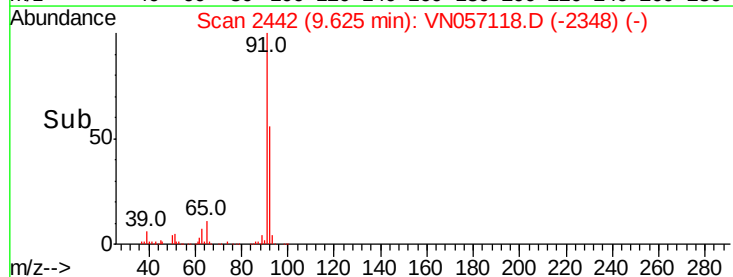
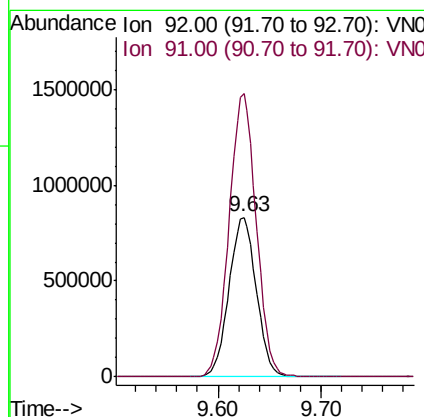
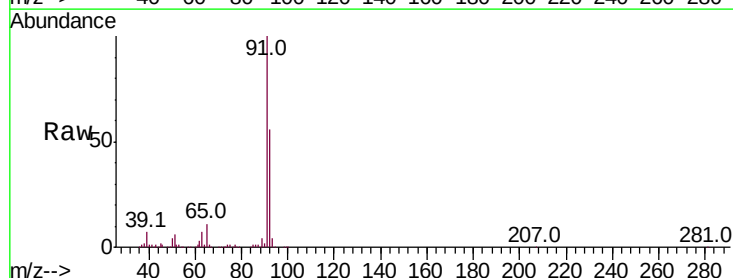
Manual Integrations  
 APPROVED

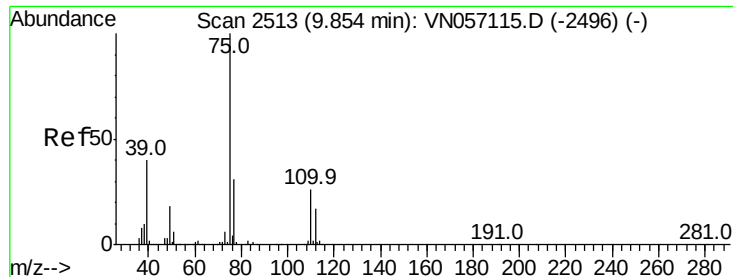
MMDadoda  
 8/8/2019 2:40:43 PM



#52  
 Toluene  
 Concen: 49.377 ug/l  
 RT: 9.63 min Scan# 2442  
 Delta R.T. 0.00 min  
 Lab File: VN057118.D  
 Acq: 7 Aug 2019 22:14

Tgt Ion: 92 Resp: 1534585  
 Ion Ratio Lower Upper  
 92 100  
 91 176.3 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 51.630 ug/l

RT: 9.85 min Scan# 2513

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

ClientSampled :

ICVVN080719

Tot Ion: 75 Resp: 867544

Ion Ratio Lower Upper

75 100

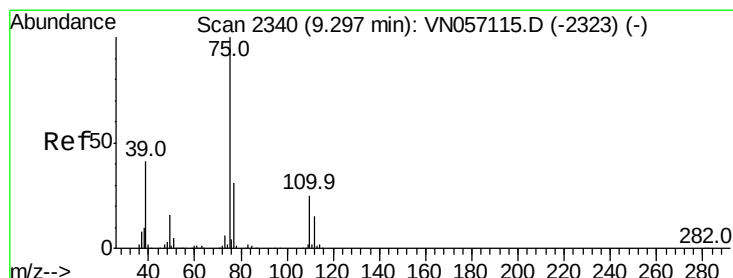
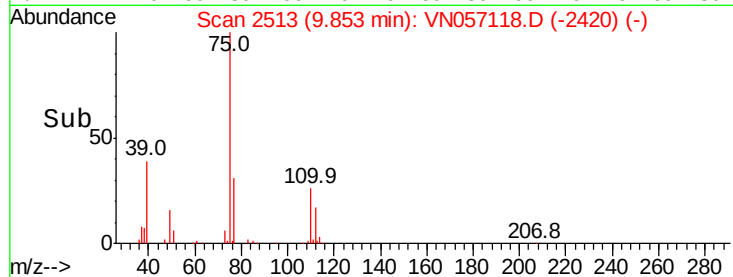
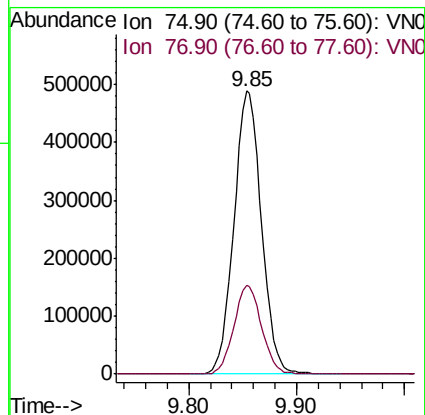
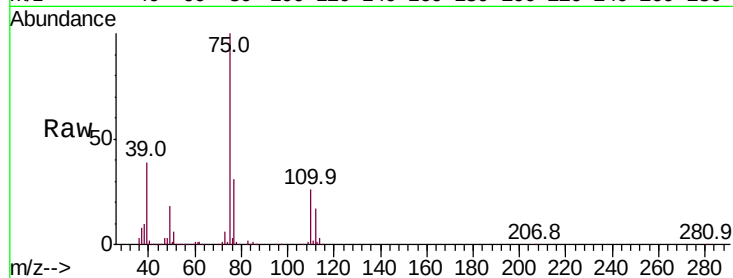
77 31.3 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

8/8/2019 2:40:43 PM



#54

cis-1,3-Dichloropropene

Concen: 51.040 ug/l

RT: 9.30 min Scan# 2340

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

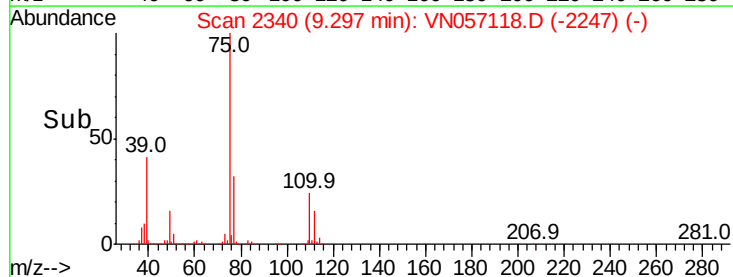
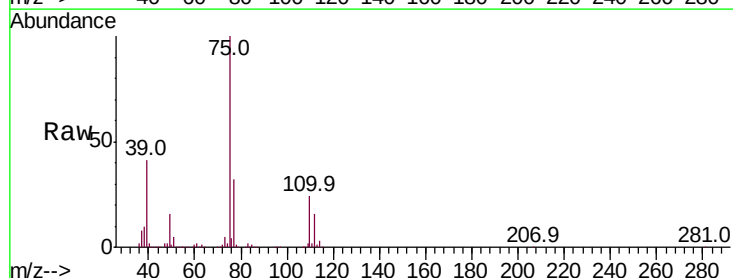
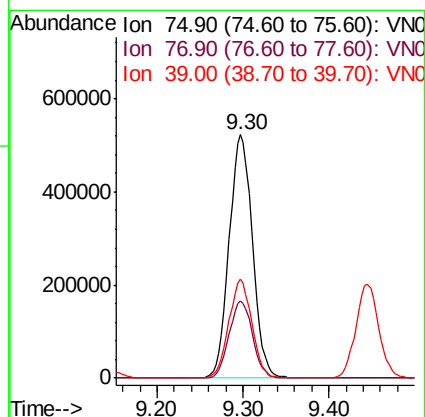
Tgt Ion: 75 Resp: 984083

Ion Ratio Lower Upper

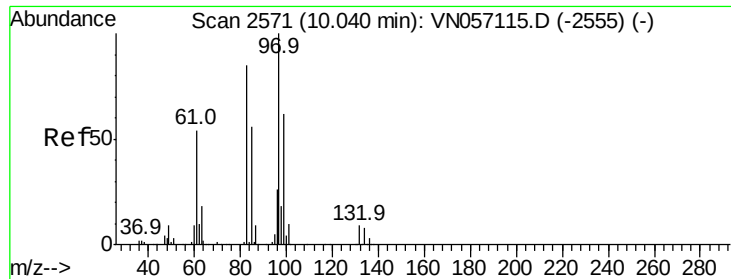
75 100

77 31.5 25.1 37.7

39 40.8 32.5 48.7







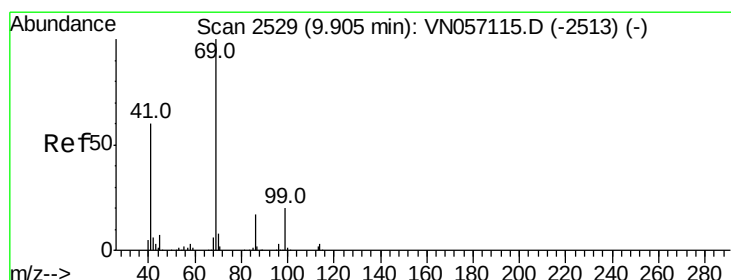
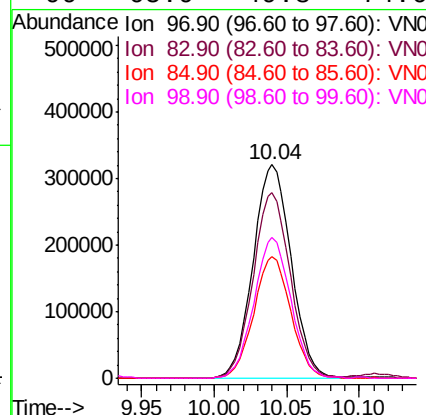
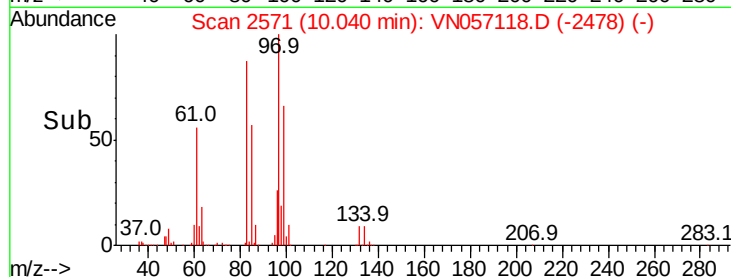
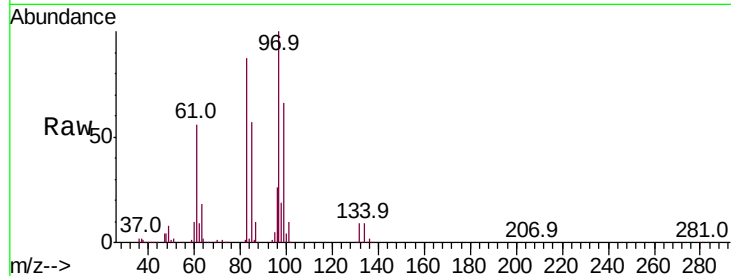
#55  
1,1,2-Trichloroethane  
Concen: 47.951 ug/l  
RT: 10.04 min Scan# 2571  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN080719

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 97      | 100   | 586036 |       |       |
| 83      | 87.0  | 67.8   | 101.8 |       |
| 85      | 57.0  | 44.4   | 66.6  |       |
| 99      | 65.9  | 49.8   | 74.6  |       |

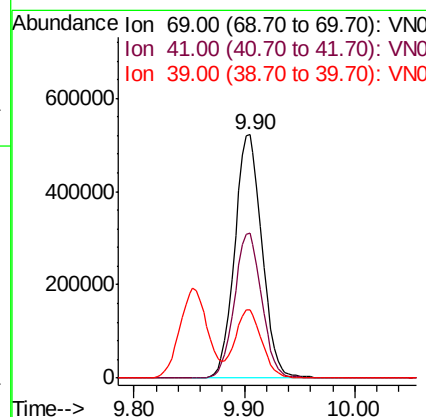
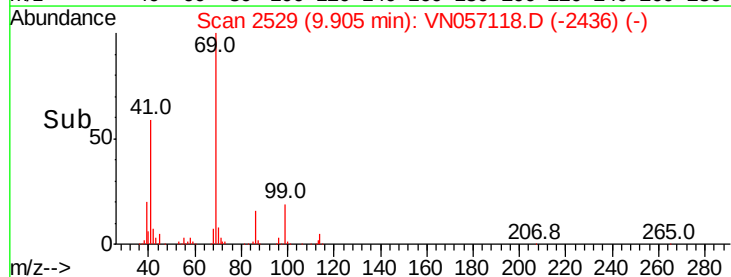
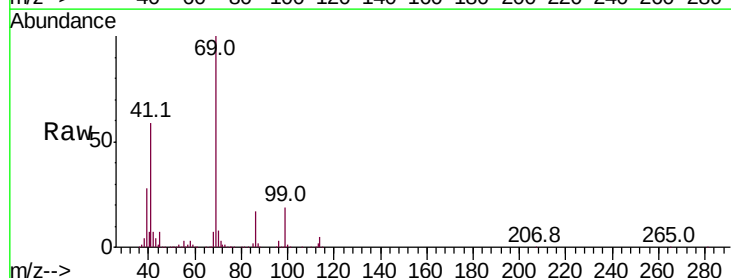
Manual Integrations  
APPROVED

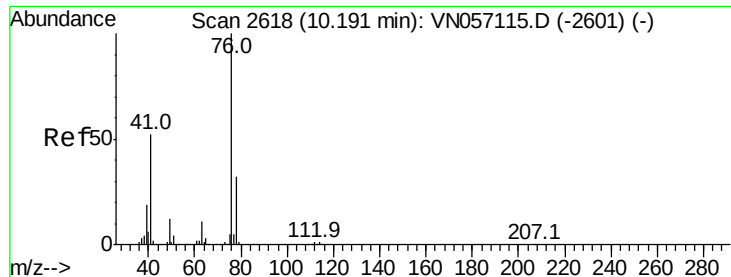
MMDadoda  
8/8/2019 2:40:43 PM



#56  
Ethyl methacrylate  
Concen: 52.244 ug/l  
RT: 9.90 min Scan# 2529  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 69      | 100   | 894003 |       |       |
| 41      | 59.4  | 48.1   | 72.1  |       |
| 39      | 27.8  | 23.6   | 35.4  |       |





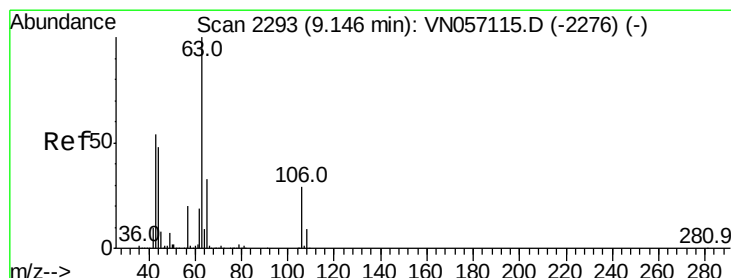
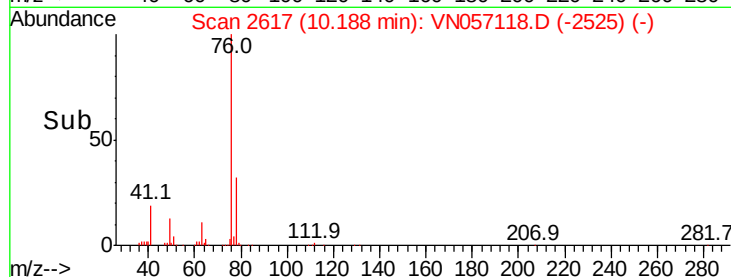
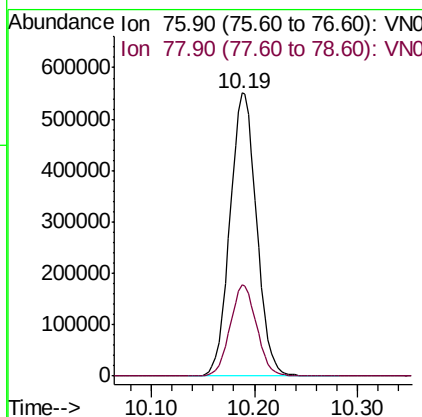
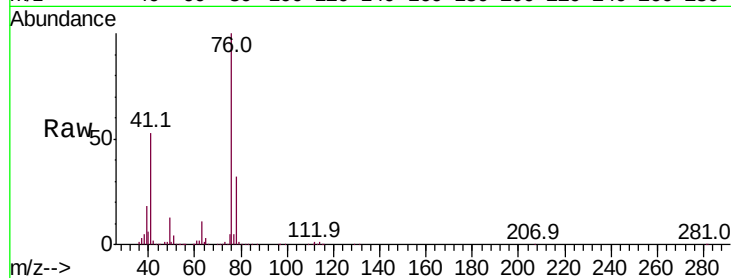
#57  
 1,3-Dichloropropane  
 Concen: 49.101 ug/l  
 RT: 10.19 min Scan# 2617  
 Delta R.T. -0.00 min  
 Lab File: VN057118.D  
 Acq: 7 Aug 2019 22:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN080719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.2  | 25.9  | 38.9  |

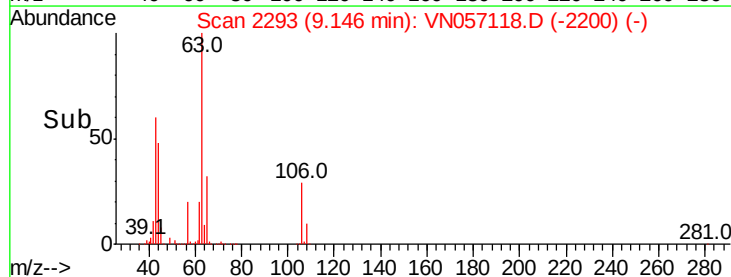
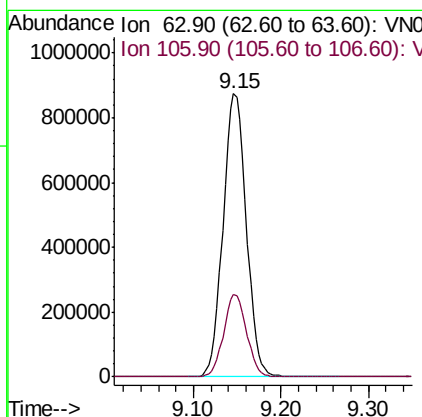
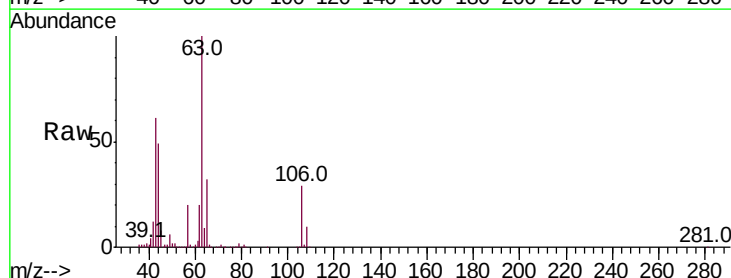
Manual Integrations  
 APPROVED

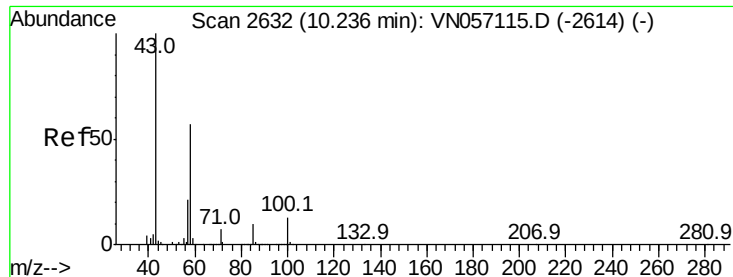
MMDadoda  
 8/8/2019 2:40:43 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 236.901 ug/l  
 RT: 9.15 min Scan# 2293  
 Delta R.T. -0.00 min  
 Lab File: VN057118.D  
 Acq: 7 Aug 2019 22:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 28.8  | 22.6  | 33.8  |





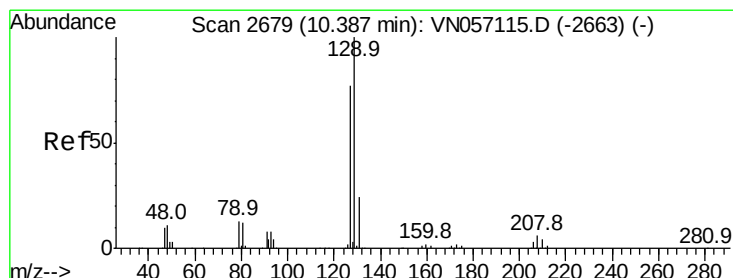
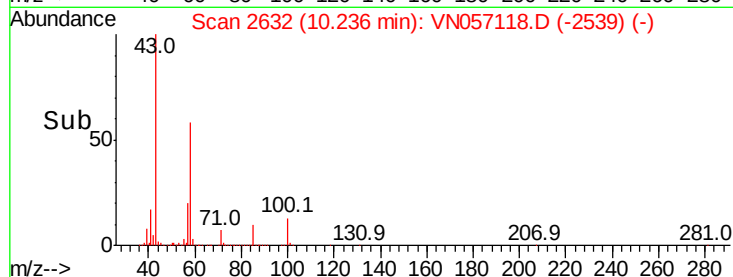
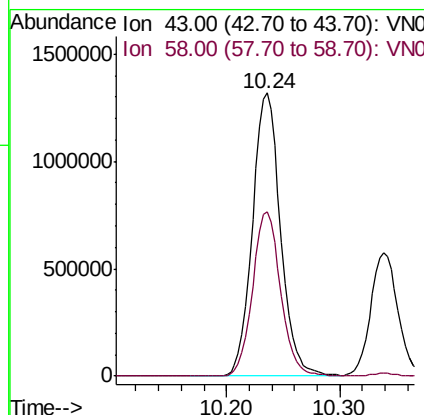
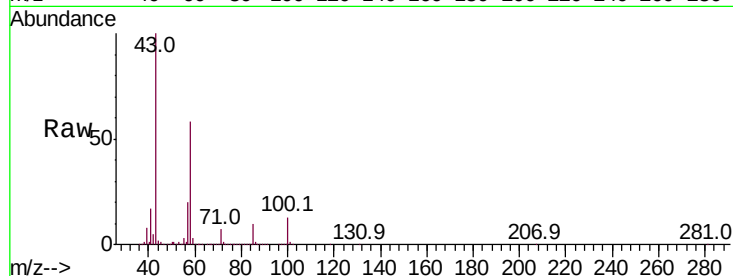
#59  
2-Hexanone  
Concen: 259.409 ug/l  
RT: 10.24 min Scan# 2632  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN080719

Tot Ion: 43 Resp: 2273401  
Ion Ratio Lower Upper  
43 100  
58 58.2 29.2 87.6

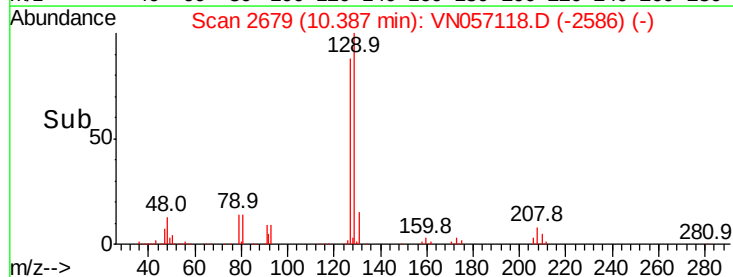
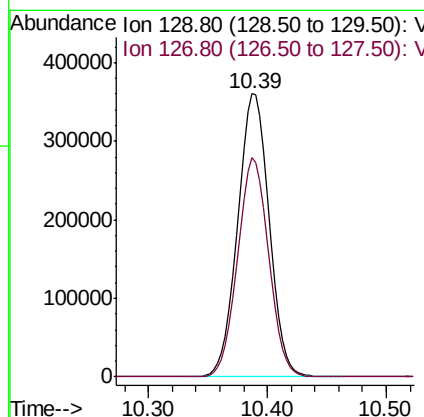
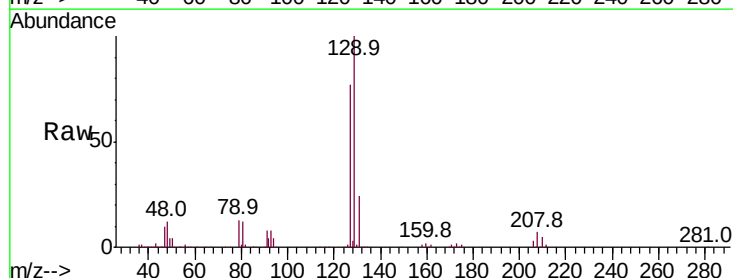
Manual Integrations  
APPROVED

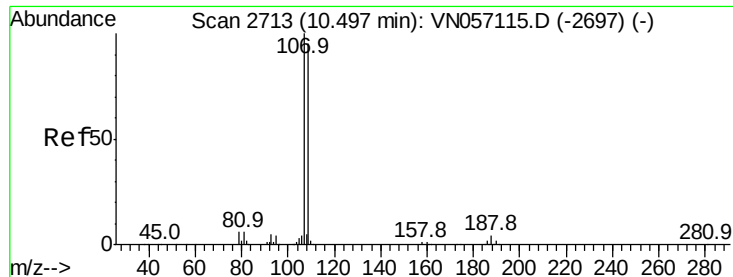
MMDadoda  
8/8/2019 2:40:43 PM



#60  
Dibromochloromethane  
Concen: 51.481 ug/l  
RT: 10.39 min Scan# 2679  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Tgt Ion: 129 Resp: 660790  
Ion Ratio Lower Upper  
129 100  
127 76.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.300 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN080719

Tot Ion:107 Resp: 621745

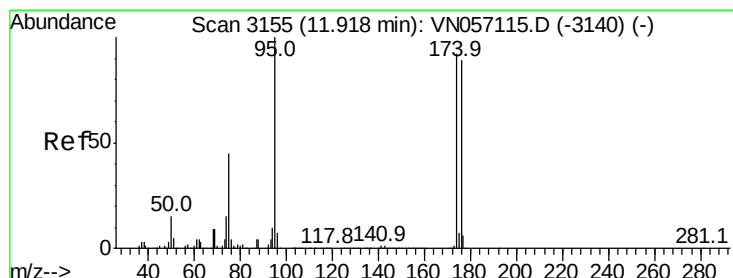
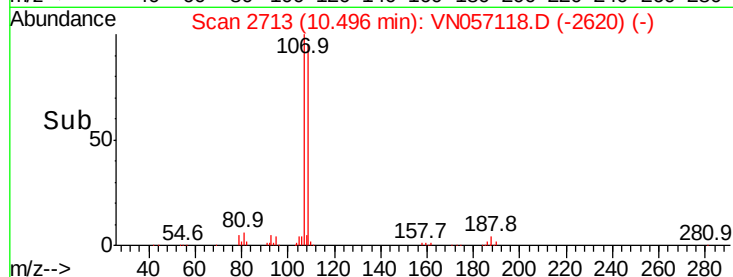
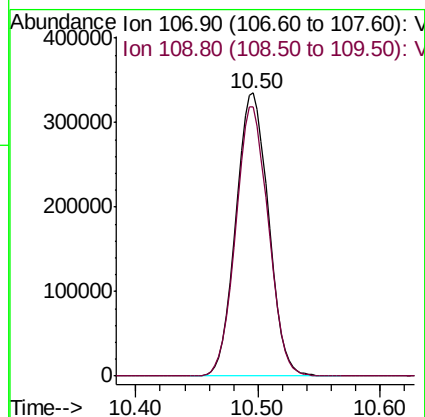
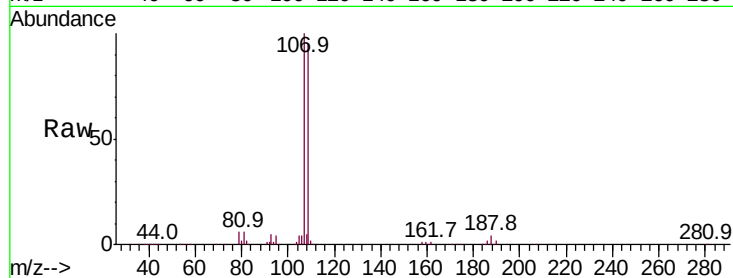
Ion Ratio Lower Upper

107 100

109 95.1 75.6 113.4

Manual Integrations  
APPROVED

MMDadoda  
8/8/2019 2:40:43 PM



#62

4-Bromofluorobenzene

Concen: 53.064 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

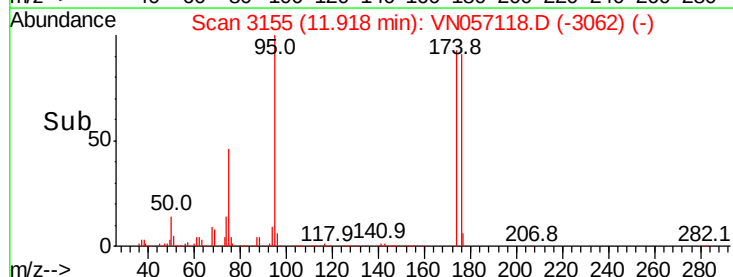
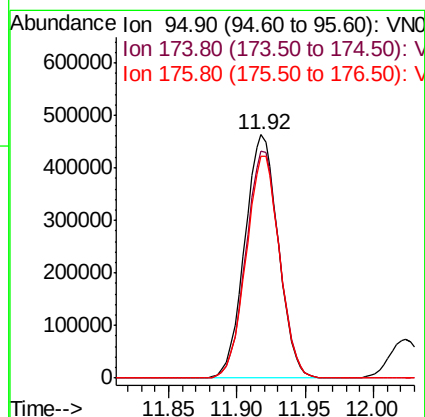
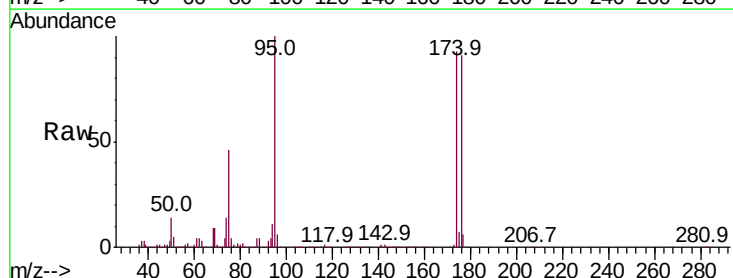
Tgt Ion: 95 Resp: 788489

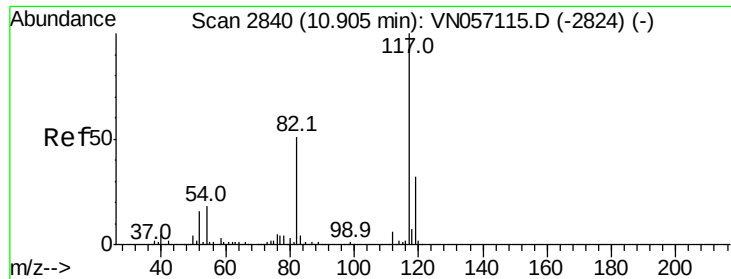
Ion Ratio Lower Upper

95 100

174 93.2 0.0 185.0

176 90.9 0.0 181.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

ClientSampled :

ICVVN080719

Tot Ion:117 Resp: 1718690

Ion Ratio Lower Upper

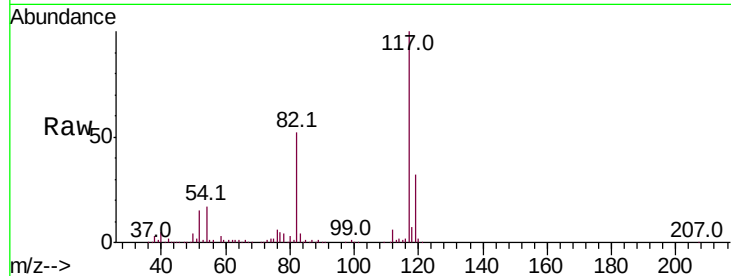
117 100

82 52.1 40.8 61.2

119 32.1 25.7 38.5

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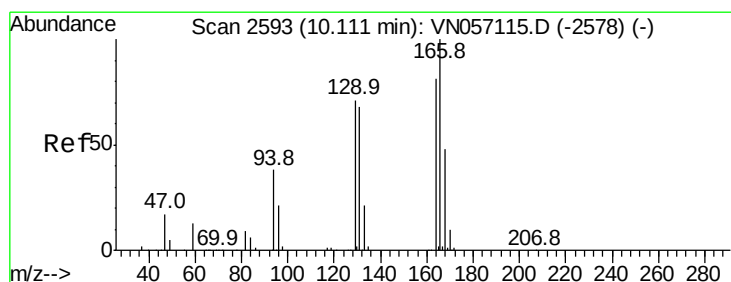
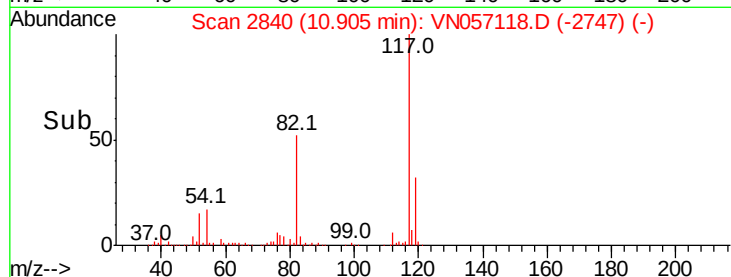
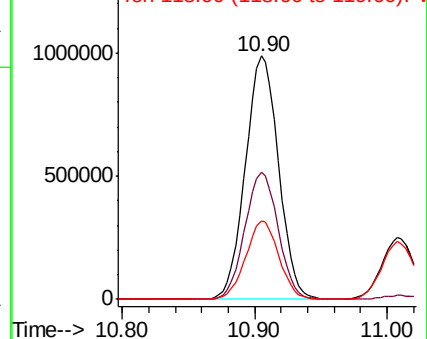
MMDadoda  
8/8/2019 2:40:43 PM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 46.718 ug/l

RT: 10.11 min Scan# 2594

Delta R.T. 0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Tgt Ion:164 Resp: 667754

Ion Ratio Lower Upper

164 100

166 131.6 98.3 147.5

129 91.9 69.8 104.6

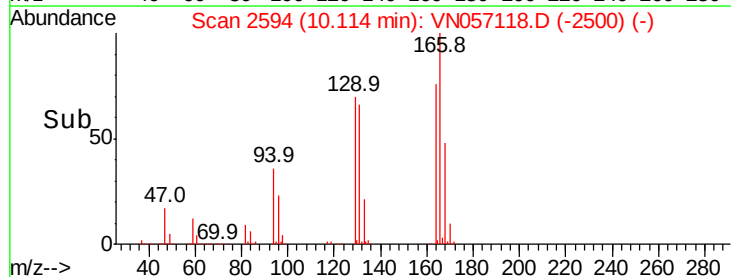
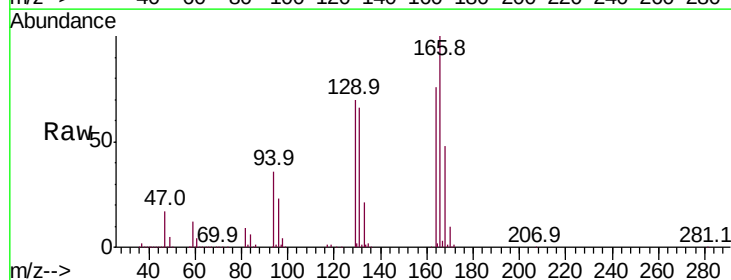
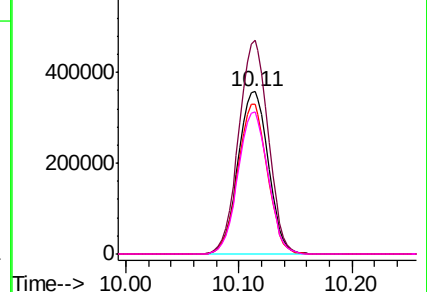
131 87.3 66.8 100.2

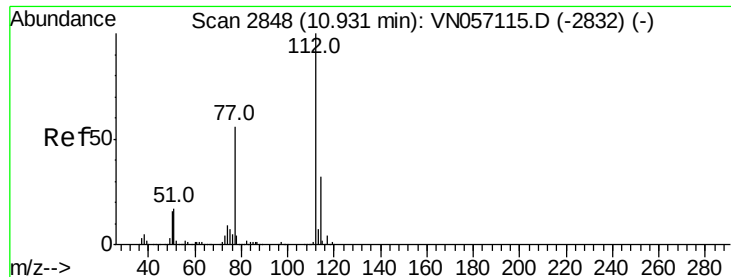
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





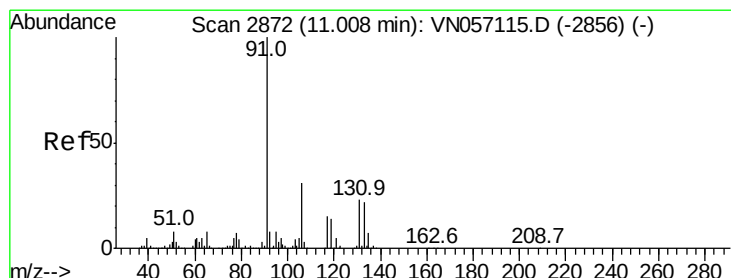
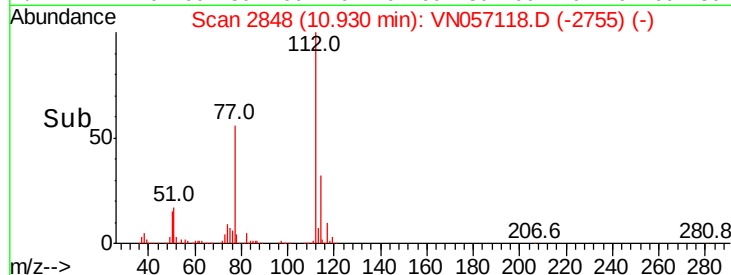
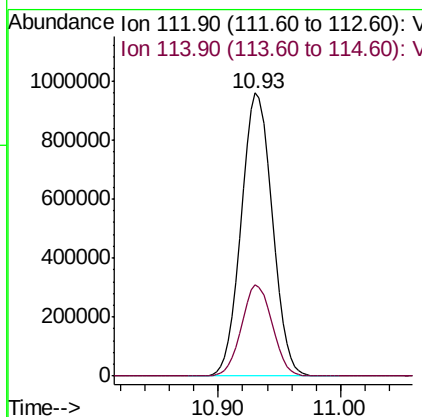
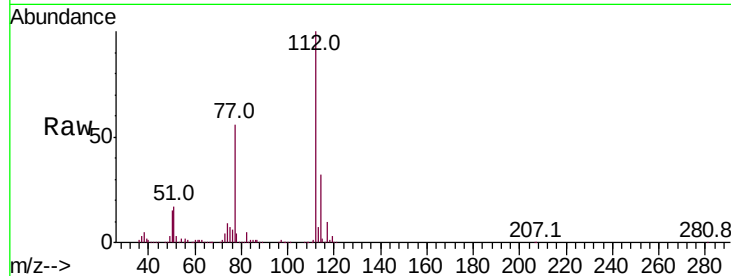
#65  
Chlorobenzene  
Concen: 48.698 ug/l  
RT: 10.93 min Scan# 2848  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN080719

Tot Ion:112 Resp: 1684048  
Ion Ratio Lower Upper  
112 100  
114 32.3 25.4 38.2

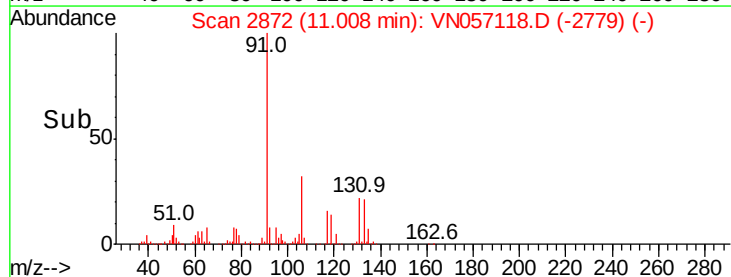
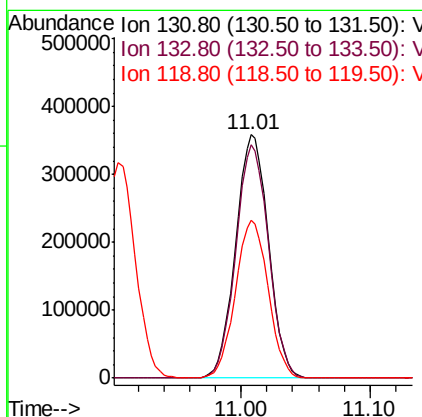
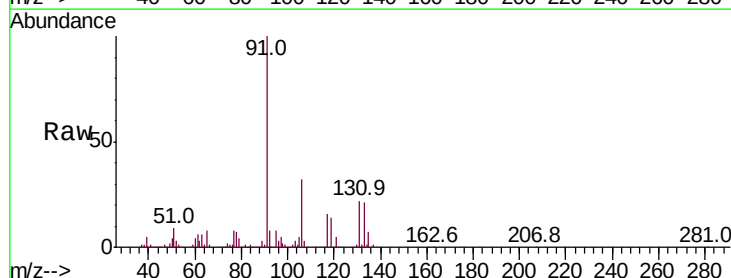
Manual Integrations  
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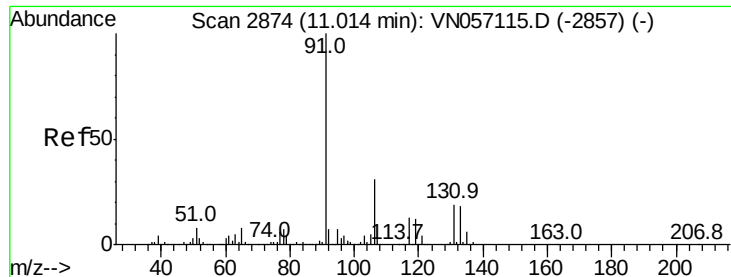
MMDadoda  
8/8/2019 2:40:43 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.958 ug/l  
RT: 11.01 min Scan# 2872  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Tgt Ion:131 Resp: 632953  
Ion Ratio Lower Upper  
131 100  
133 95.6 47.6 142.8  
119 64.8 32.6 97.7





#67

Ethyl Benzene

Concen: 49.447 ug/l

RT: 11.01 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN080719

Tot Ion: 91 Resp: 2942965

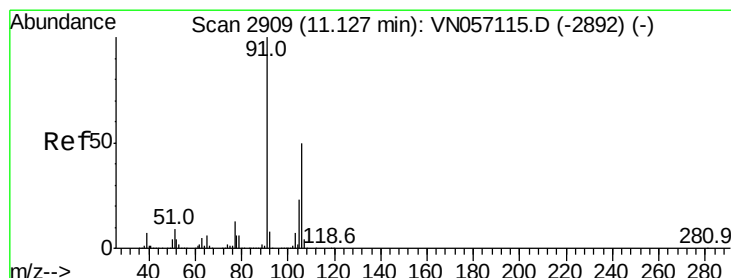
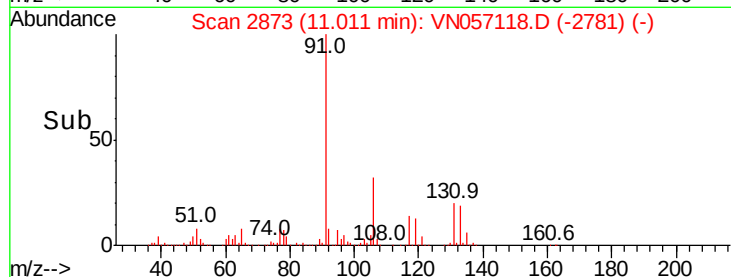
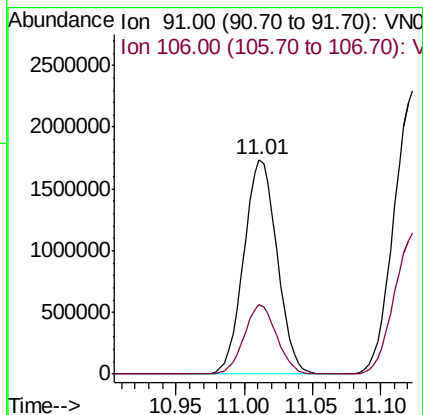
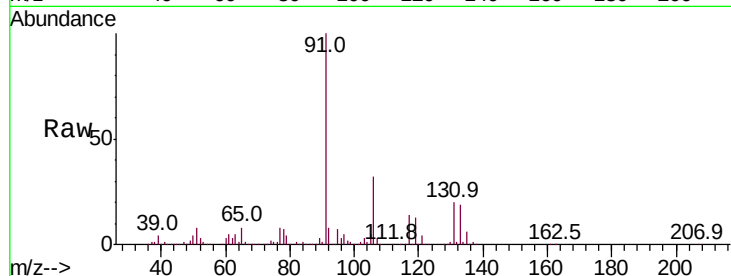
Ion Ratio Lower Upper

91 100

106 32.4 25.0 37.4

Manual Integrations  
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#68

m/p-Xylenes

Concen: 101.074 ug/l

RT: 11.12 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VN057118.D

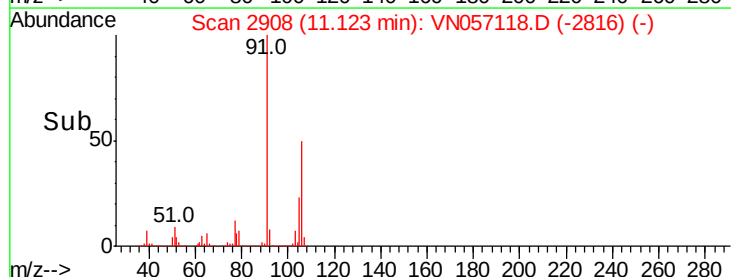
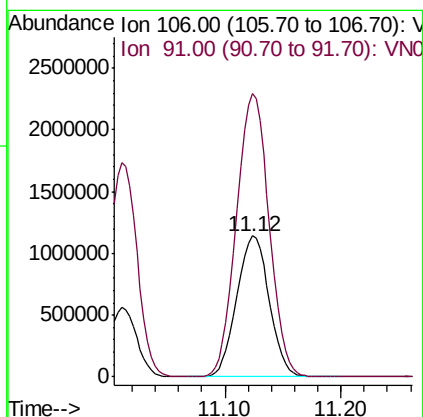
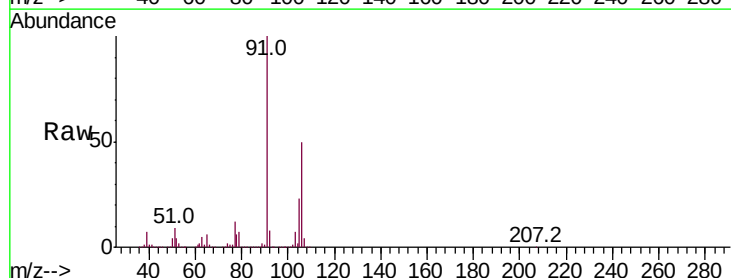
Acq: 7 Aug 2019 22:14

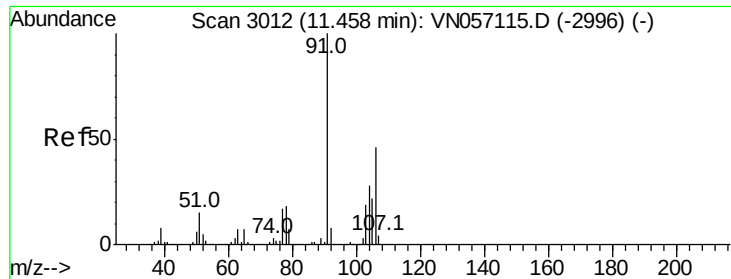
Tgt Ion: 106 Resp: 2216210

Ion Ratio Lower Upper

106 100

91 201.7 159.8 239.8





#69

o-Xylene

Concen: 49.115 ug/l

RT: 11.46 min Scan# 3012

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN080719

Tot Ion:106 Resp: 1071812

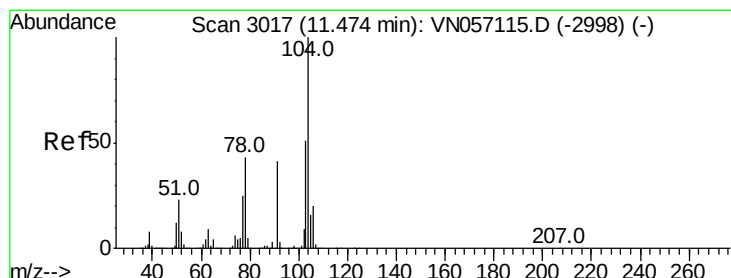
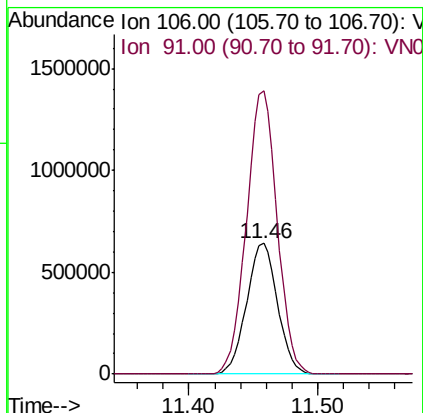
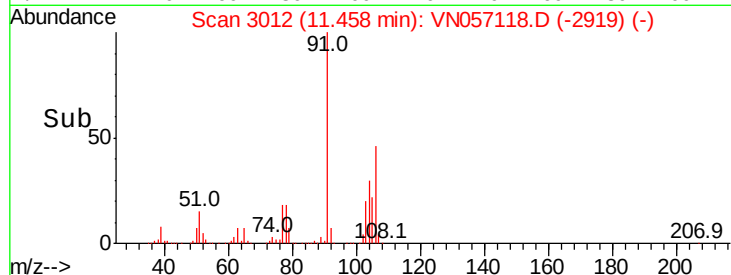
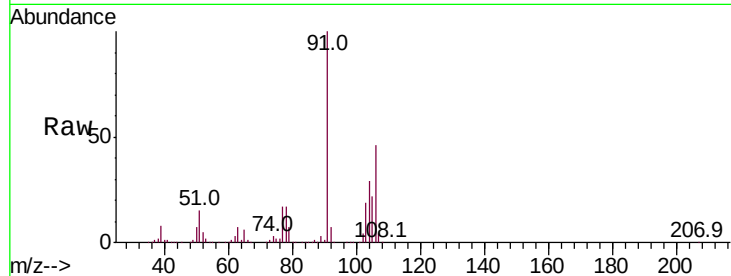
Ion Ratio Lower Upper

106 100

91 214.9 106.8 320.5

Manual Integrations  
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#70

Styrene

Concen: 51.828 ug/l

RT: 11.47 min Scan# 3017

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

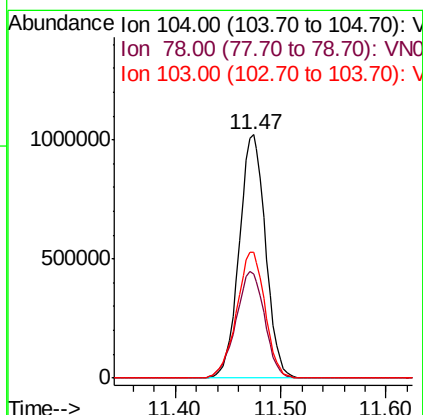
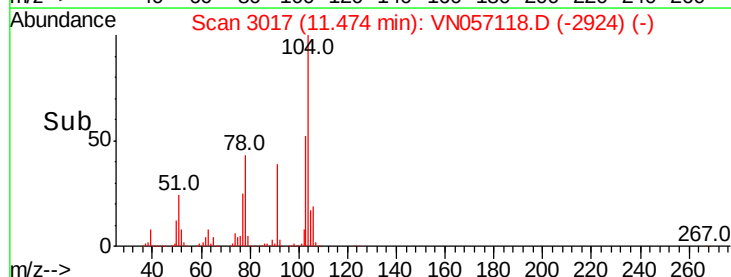
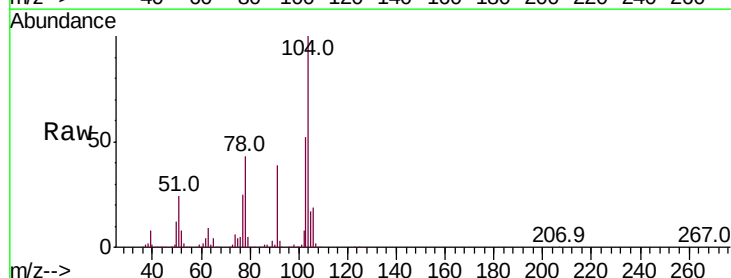
Tgt Ion:104 Resp: 1766550

Ion Ratio Lower Upper

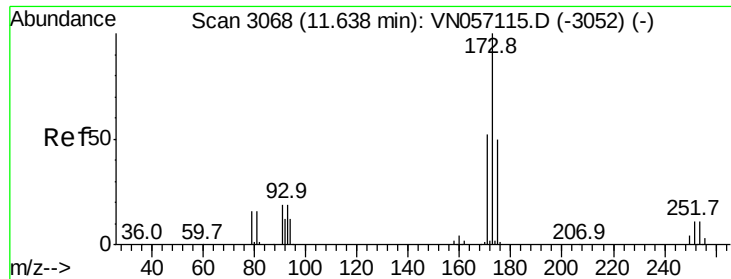
104 100

78 47.9 38.5 57.7

103 55.8 44.6 66.8







#71

Bromoform

Concen: 51.578 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

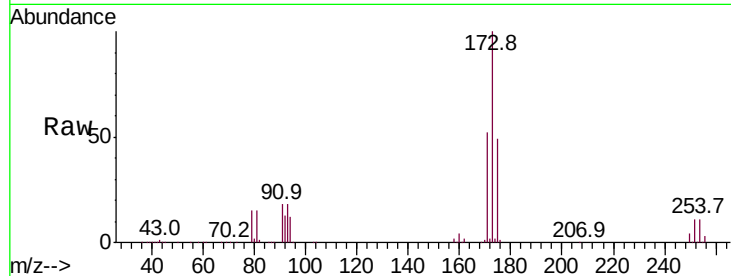
ClientSampleId :

ICVVN080719

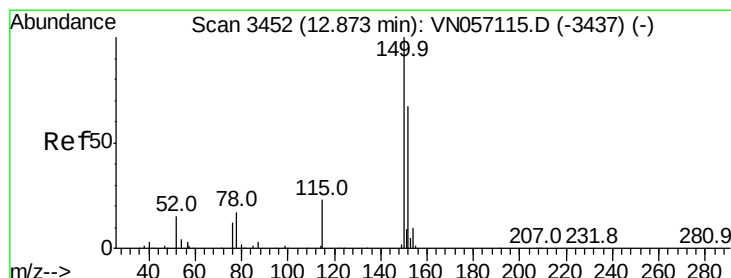
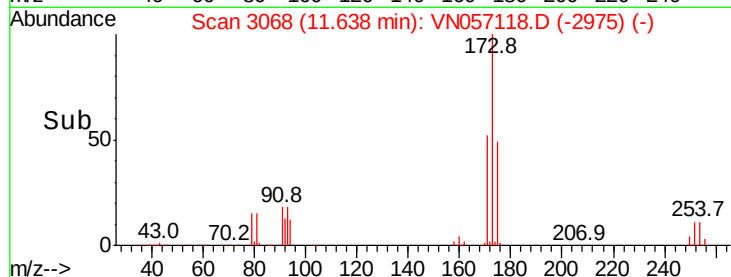
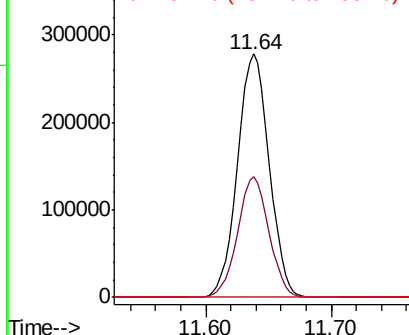
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.7  | 24.6  | 73.8  |
| 254     | 0.2   | 0.1   | 0.1#  |

Manual Integrations  
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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

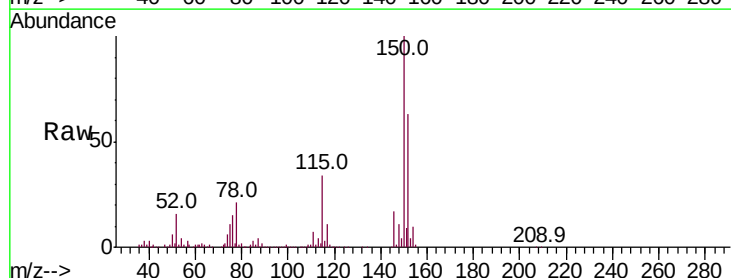
RT: 12.87 min Scan# 3452

Delta R.T. -0.00 min

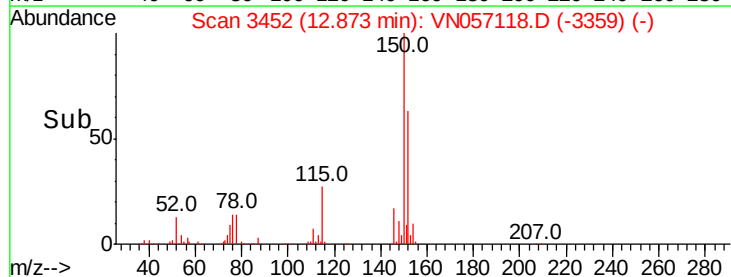
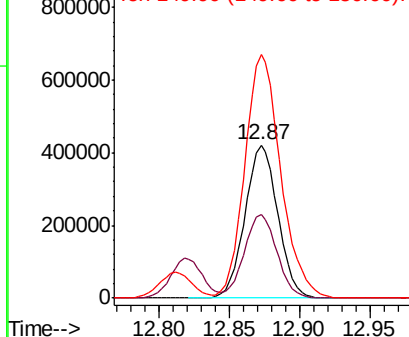
Lab File: VN057118.D

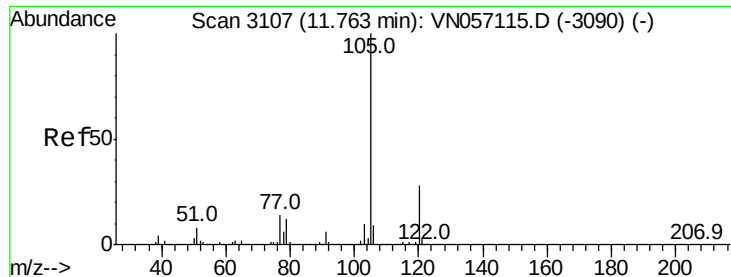
Acq: 7 Aug 2019 22:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.5  | 27.5  | 82.5  |
| 150     | 174.4 | 0.0   | 341.6 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.229 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN080719

Tot Ion:105 Resp: 2903959

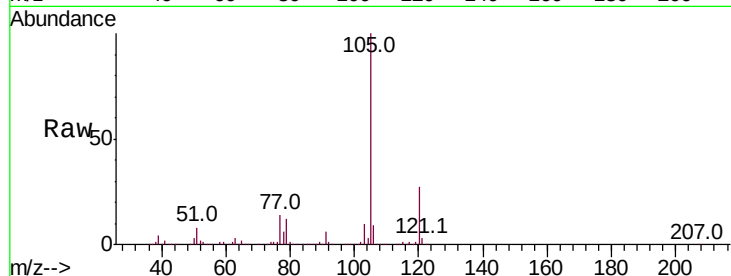
Ion Ratio Lower Upper

105 100

120 26.9 13.7 41.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.76

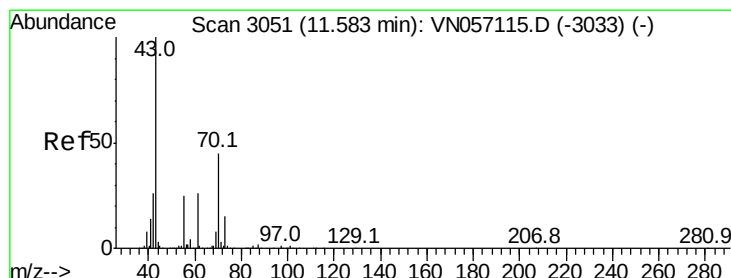
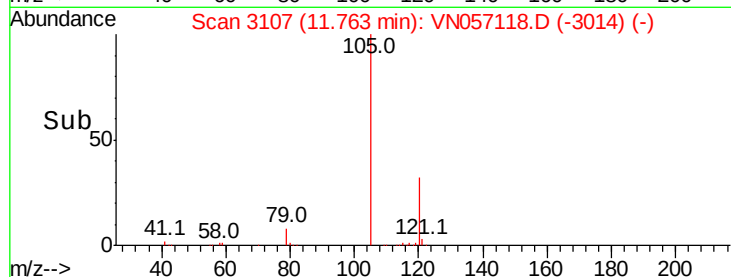
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 49.192 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Tgt Ion: 43 Resp: 852890

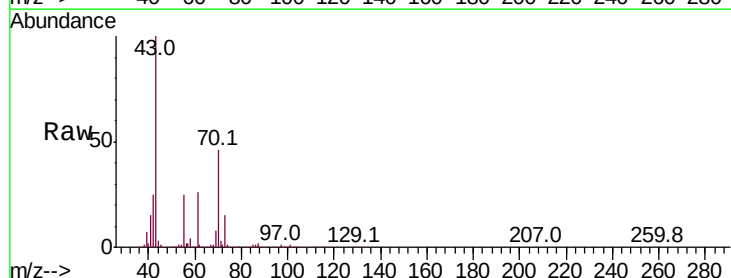
Ion Ratio Lower Upper

43 100

70 46.5 36.8 55.2

55 25.8 20.6 31.0

61 26.5 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

800000

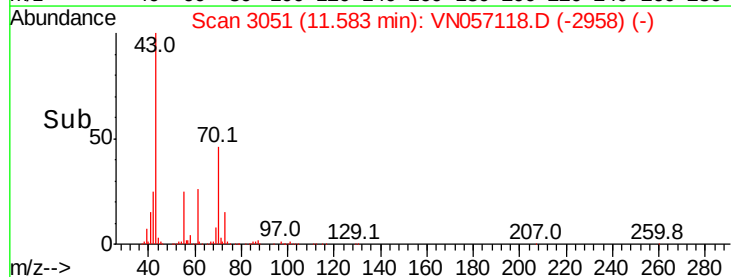
600000

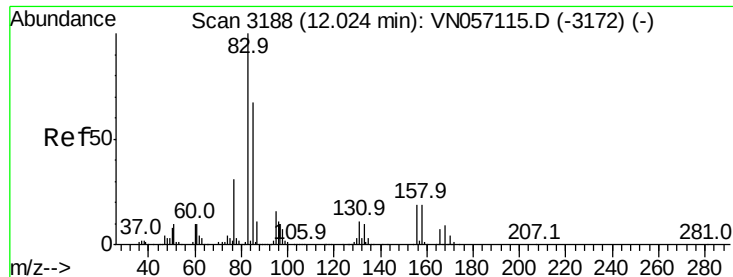
400000

200000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.562 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

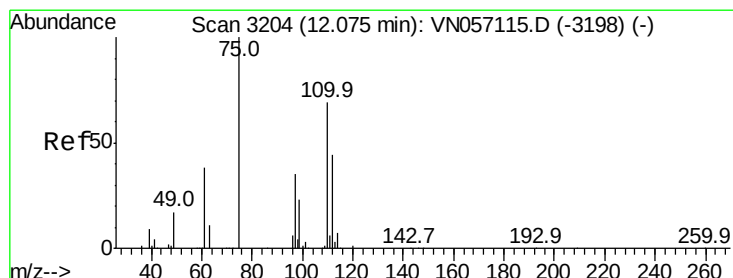
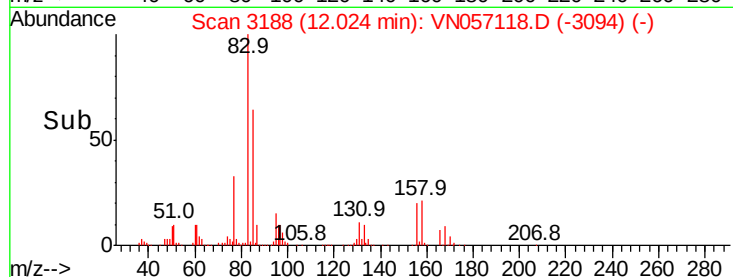
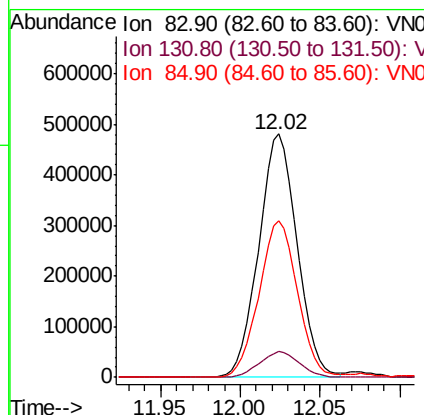
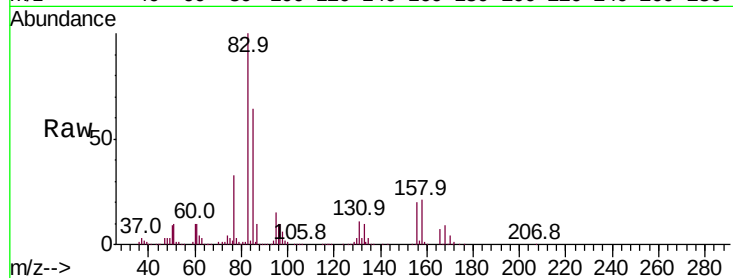
ClientSampleId :

ICVVN080719

| Tot Ion   | 83    | Resp  | 794672 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.9  | 5.5   | 16.4   |
| 85        | 64.3  | 32.4  | 97.0   |

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#76

1,2,3-Trichloropropane

Concen: 51.593 ug/l m

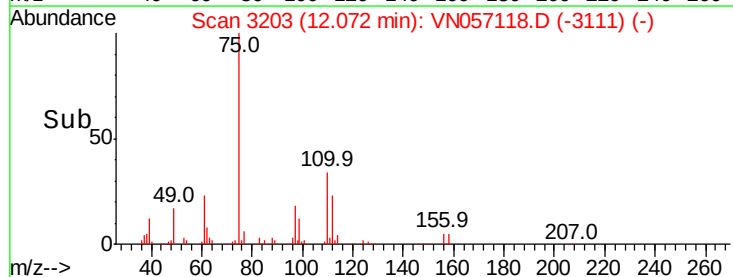
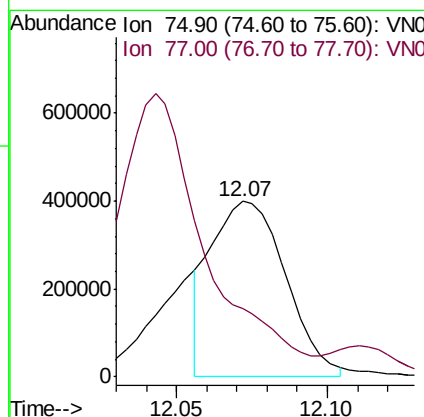
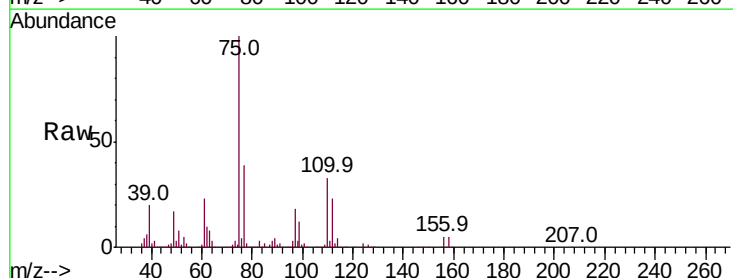
RT: 12.07 min Scan# 3203

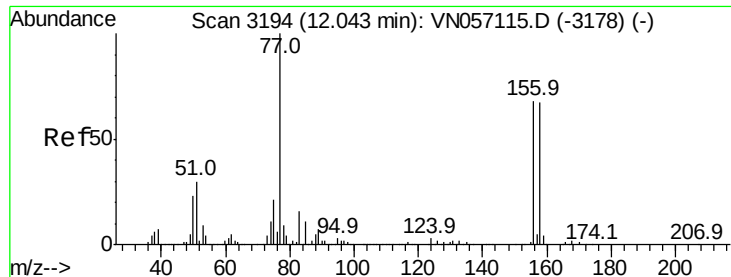
Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

| Tgt Ion   | 75    | Resp  | 687687 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 45.592 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN080719

Tot Ion:156 Resp: 749764

Ion Ratio Lower Upper

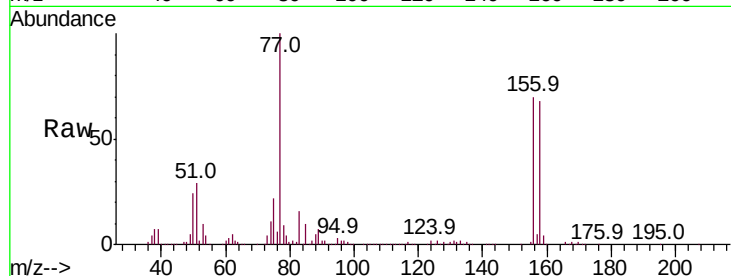
156 100

77 177.1 88.7 266.1

158 98.8 49.3 147.8

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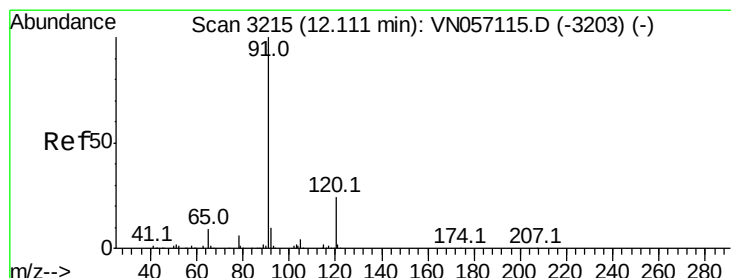
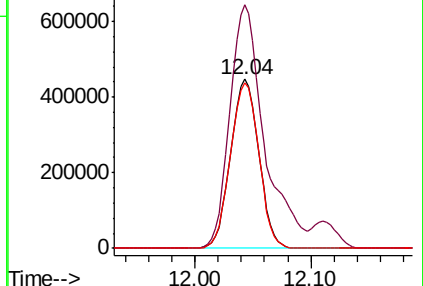
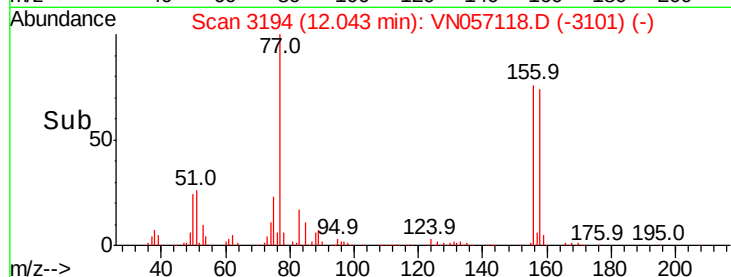
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.500 ug/l

RT: 12.11 min Scan# 3215

Delta R.T. -0.00 min

Lab File: VN057118.D

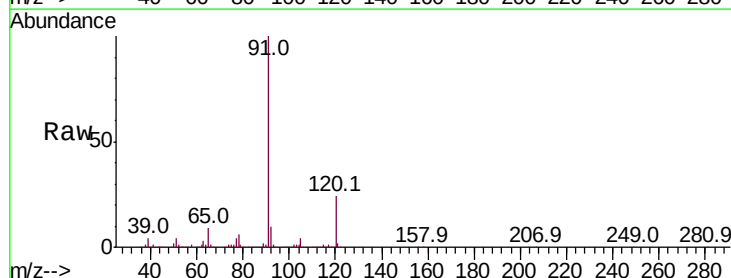
Acq: 7 Aug 2019 22:14

Tgt Ion: 91 Resp: 3117794

Ion Ratio Lower Upper

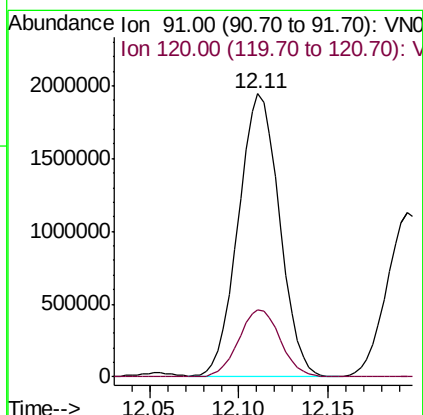
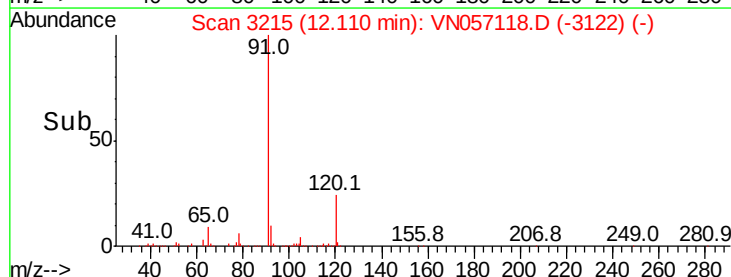
91 100

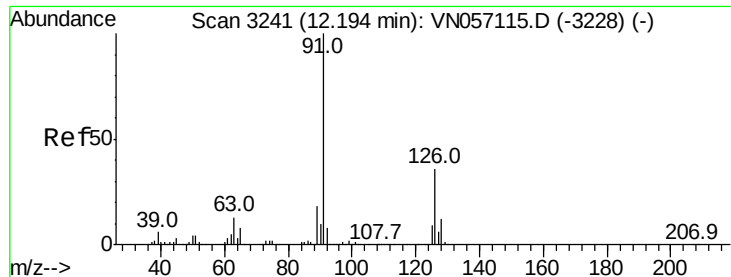
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.355 ug/l

RT: 12.19 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN080719

Tot Ion: 91 Resp: 1876219

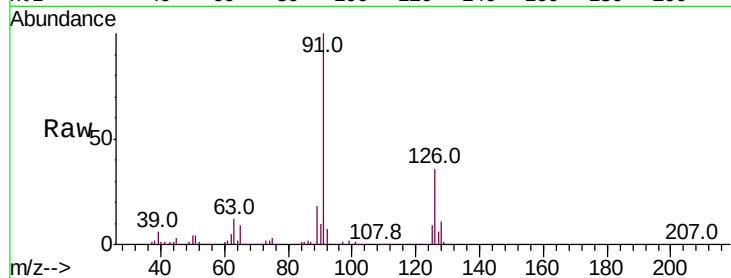
Ion Ratio Lower Upper

91 100

126 36.4 18.1 54.3

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Abundance Ion 91.00 (90.70 to 91.70): VN057118.D (-3148) (-)

Ion 125.90 (125.60 to 126.60): VN057118.D (-3148) (-)

2000000

1500000

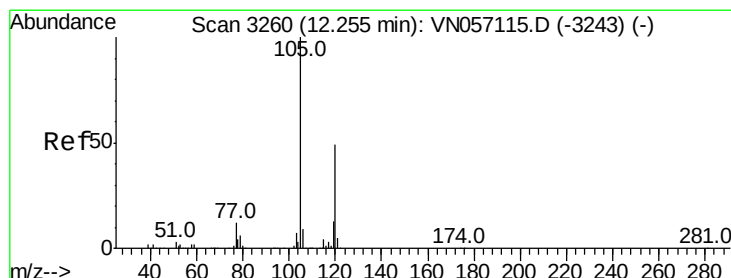
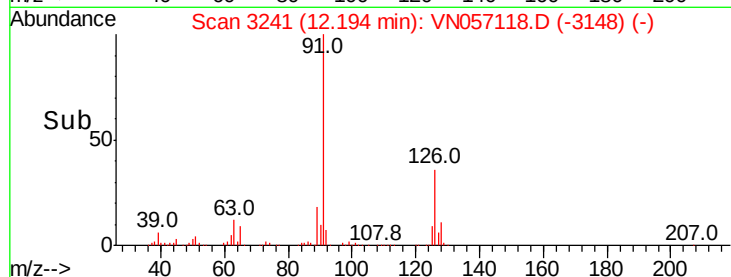
1000000

500000

0

12.15 12.20 12.25

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 45.839 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN057118.D

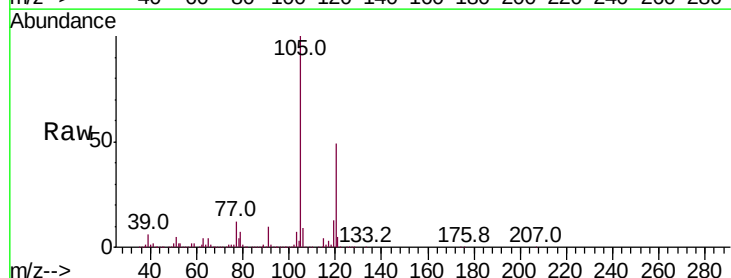
Acq: 7 Aug 2019 22:14

Tgt Ion:105 Resp: 2421247

Ion Ratio Lower Upper

105 100

120 49.5 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN057118.D (-3167) (-)

Ion 120.00 (119.70 to 120.70): VN057118.D (-3167) (-)

1500000

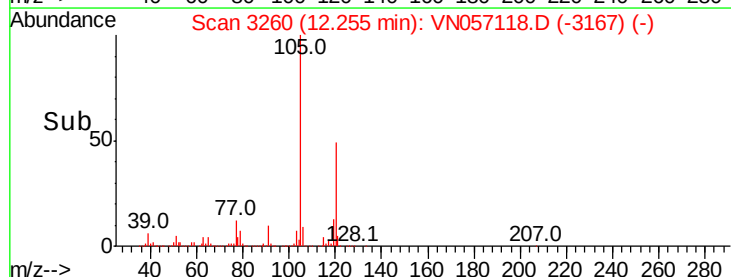
1000000

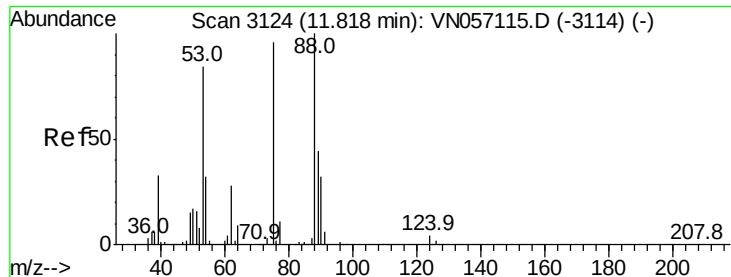
500000

0

12.15 12.20 12.25 12.30

Time-->





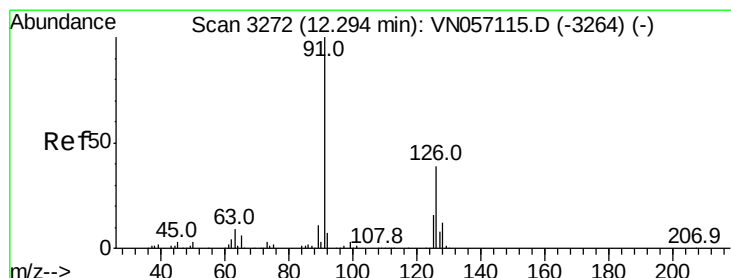
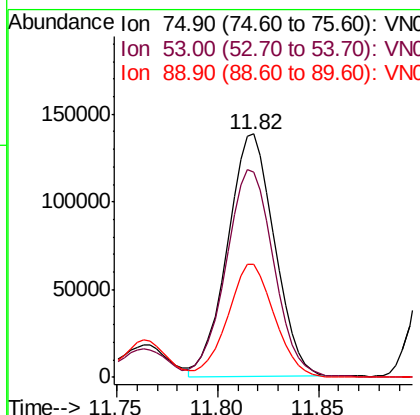
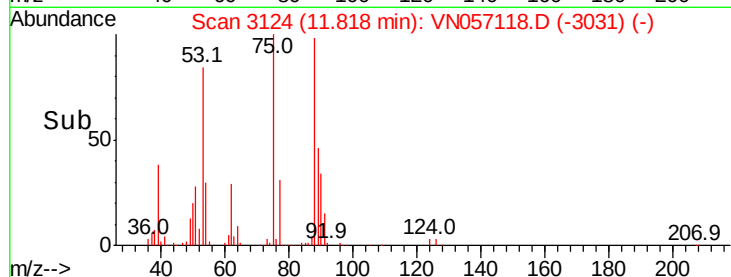
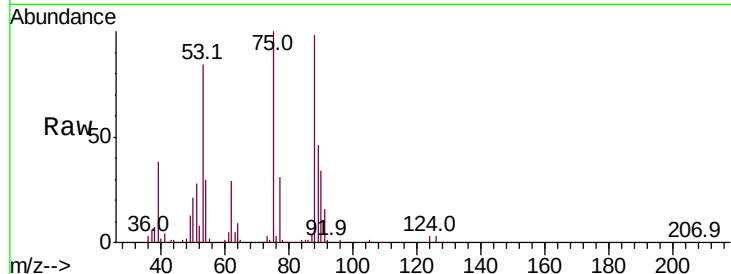
#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.407 ug/l  
RT: 11.82 min Scan# 3124  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN080719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 87.5  | 70.6  | 106.0 |
| 89      | 46.8  | 36.4  | 54.6  |

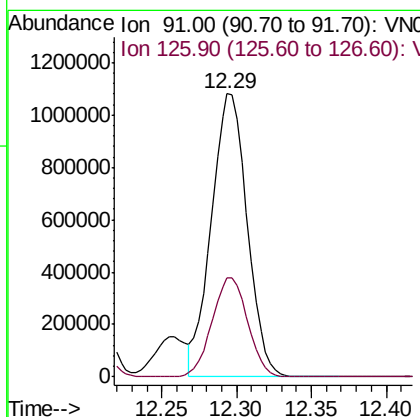
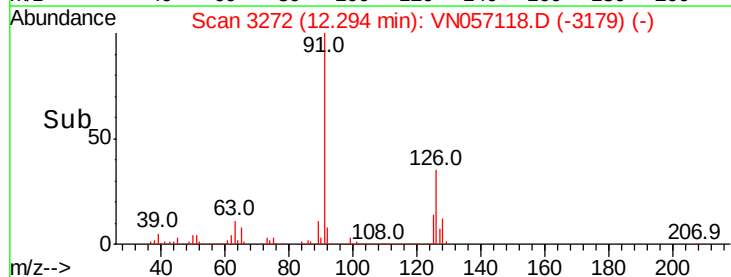
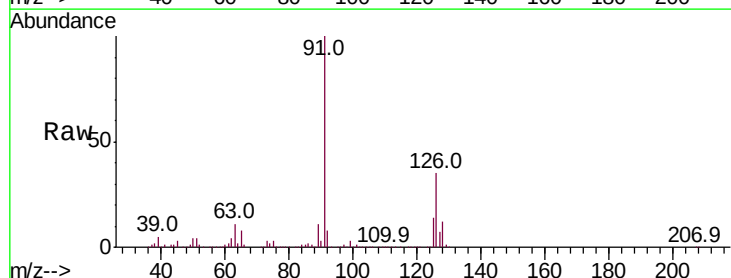
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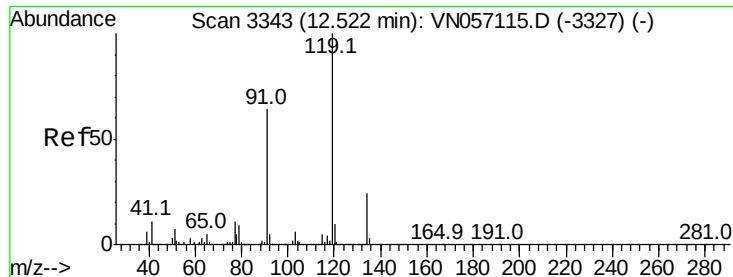
MMDadoda  
8/8/2019 2:40:43 PM



#82  
4-Chlorotoluene  
Concen: 47.312 ug/l  
RT: 12.29 min Scan# 3272  
Delta R.T. -0.00 min  
Lab File: VN057118.D  
Acq: 7 Aug 2019 22:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.1  | 17.9  | 53.7  |





#83

tert-Butylbenzene

Concen: 51.205 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

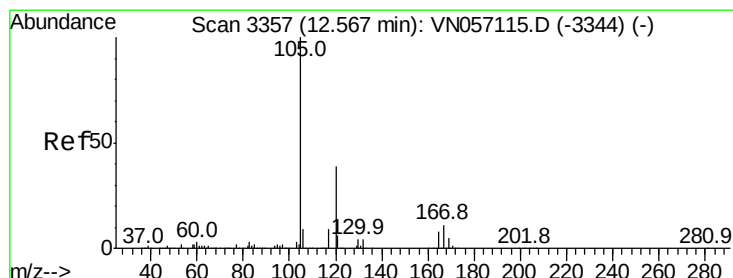
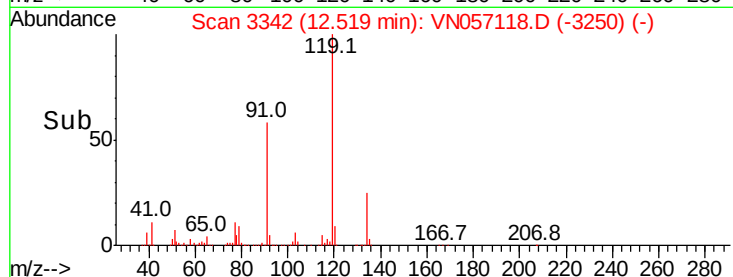
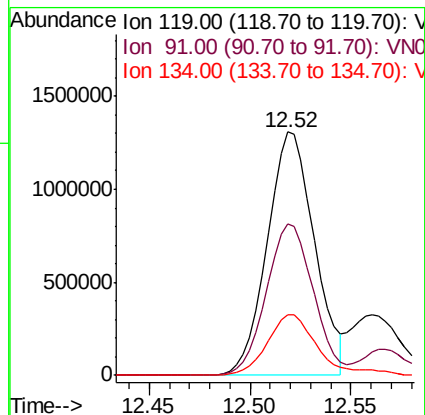
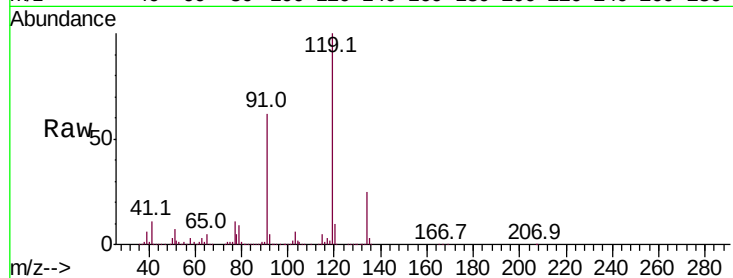
ClientSampleId :

ICVVN080719

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 119   | Resp: | 2130024 |
| Ion      | Ratio | Lower | Upper   |
| 119      | 100   |       |         |
| 91       | 61.7  | 31.4  | 94.2    |
| 134      | 26.7  | 13.2  | 39.6    |

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8/8/2019 2:40:43 PM



#84

1,2,4-Trimethylbenzene

Concen: 45.643 ug/l

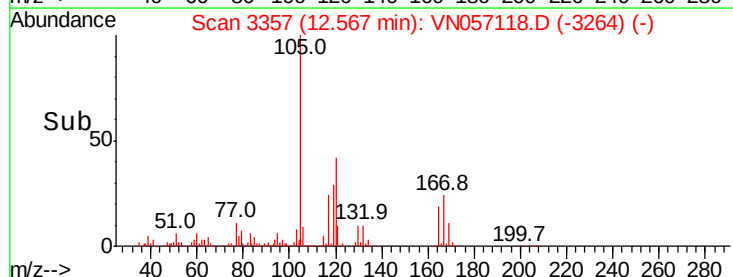
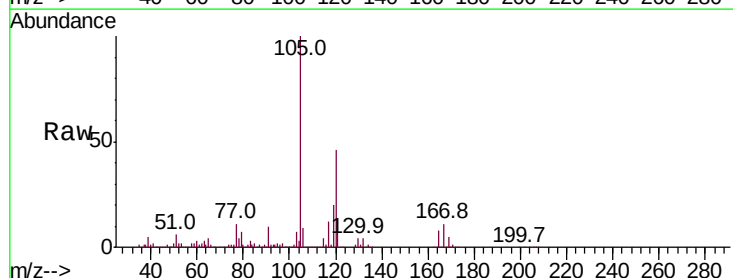
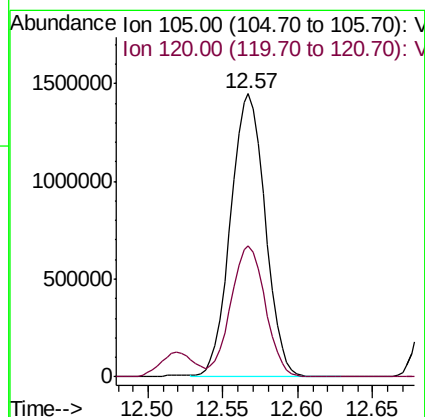
RT: 12.57 min Scan# 3357

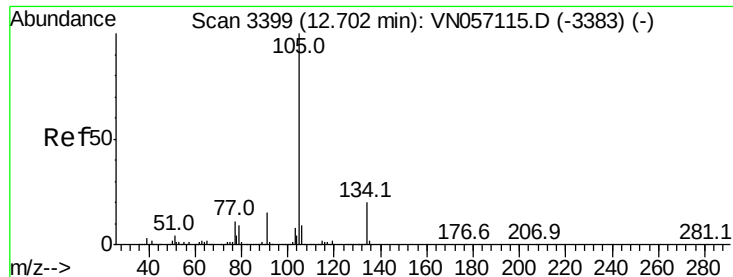
Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 105   | Resp: | 2330354 |
| Ion      | Ratio | Lower | Upper   |
| 105      | 100   |       |         |
| 120      | 46.2  | 23.3  | 69.8    |





#85

sec-Butylbenzene

Concen: 45.755 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN080719

Tot Ion:105 Resp: 2727418

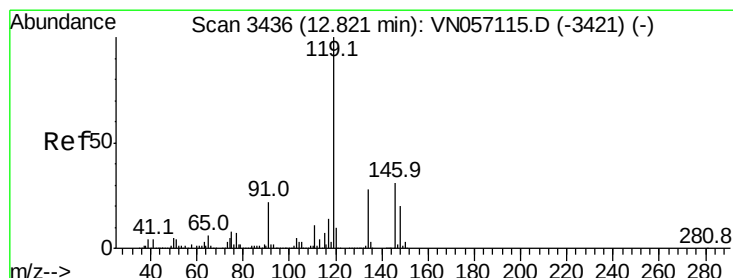
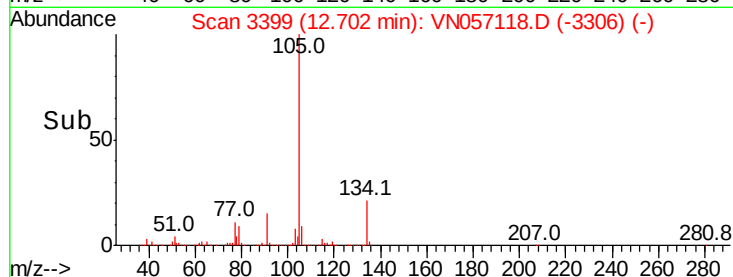
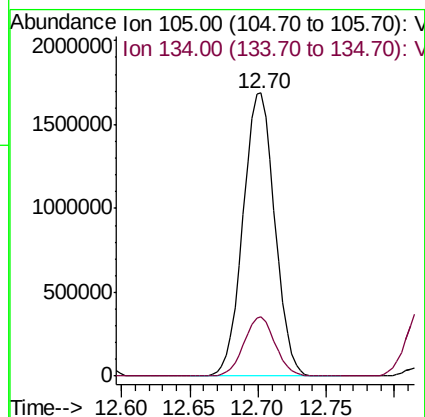
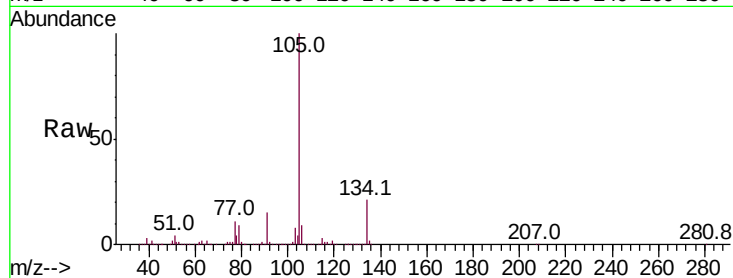
Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 46.886 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

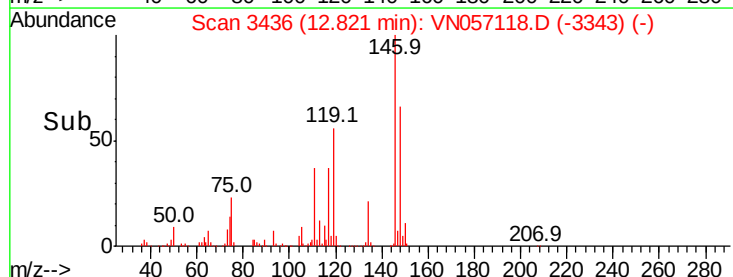
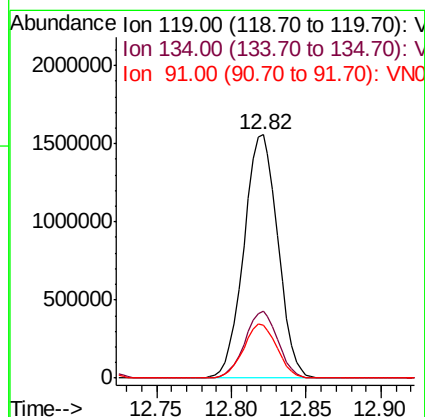
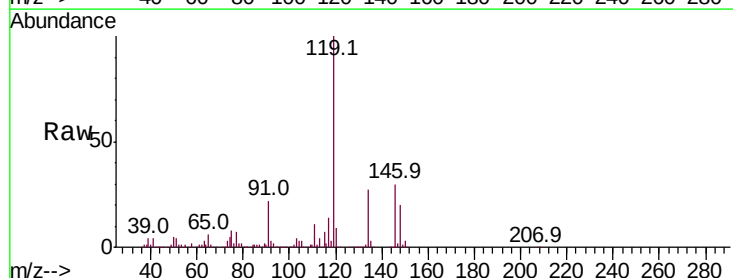
Tgt Ion:119 Resp: 2452441

Ion Ratio Lower Upper

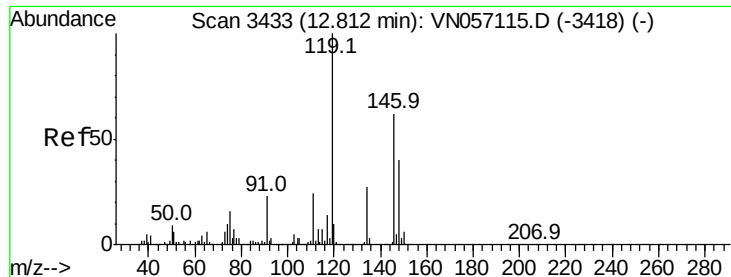
119 100

134 26.8 13.8 41.3

91 22.0 11.0 33.0







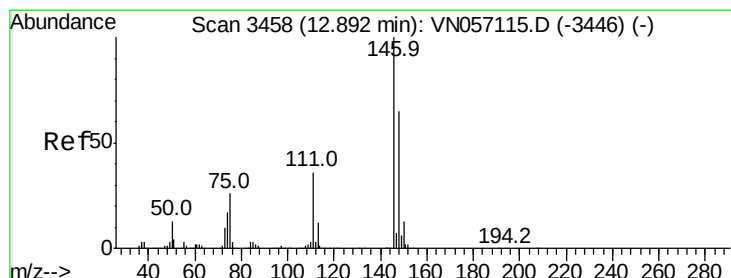
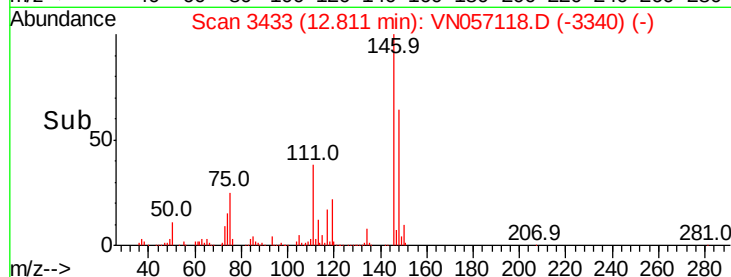
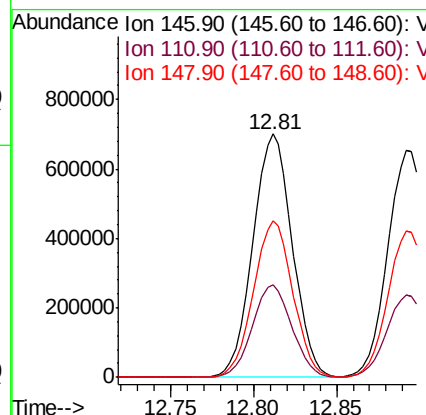
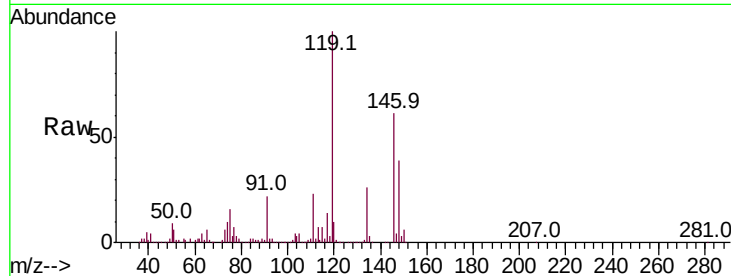
#87  
 1,3-Dichlorobenzene  
 Concen: 49.340 ug/l  
 RT: 12.81 min Scan# 3433  
 Delta R.T. -0.00 min  
 Lab File: VN057118.D  
 Acq: 7 Aug 2019 22:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN080719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.8  | 18.8  | 56.4  |
| 148     | 64.0  | 32.4  | 97.0  |

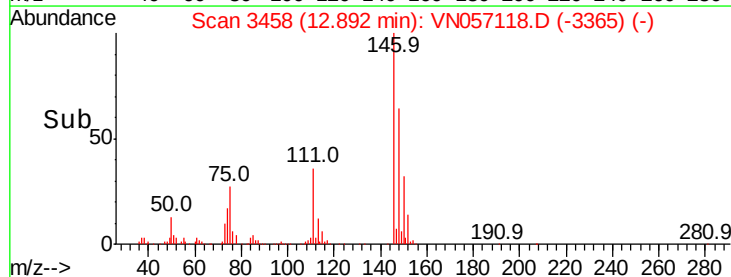
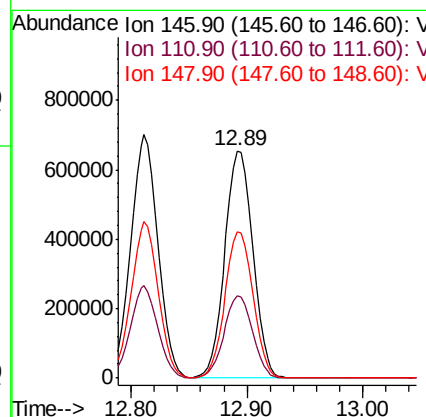
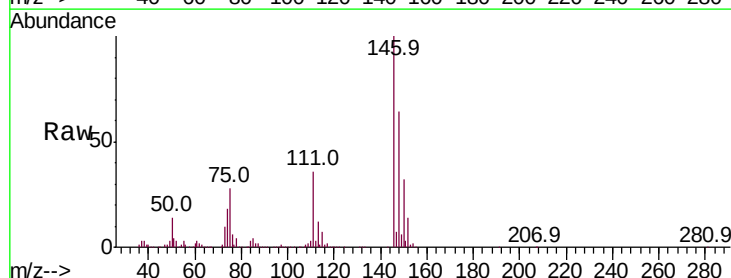
Manual Integrations  
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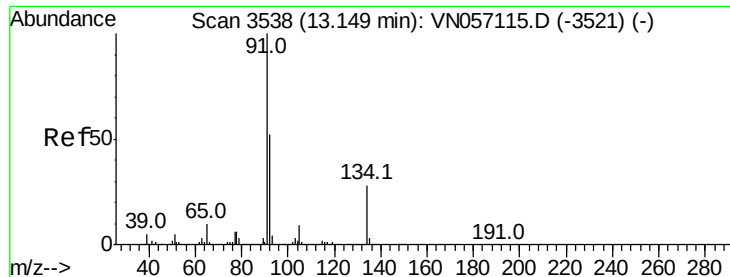
MMDadoda  
 8/8/2019 2:40:43 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 49.562 ug/l  
 RT: 12.89 min Scan# 3458  
 Delta R.T. -0.00 min  
 Lab File: VN057118.D  
 Acq: 7 Aug 2019 22:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.7  | 18.2  | 54.6  |
| 148     | 64.1  | 32.0  | 96.2  |





#89

n-Butylbenzene

Concen: 51.223 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN080719

Tot Ion: 91 Resp: 1851084

Ion Ratio Lower Upper

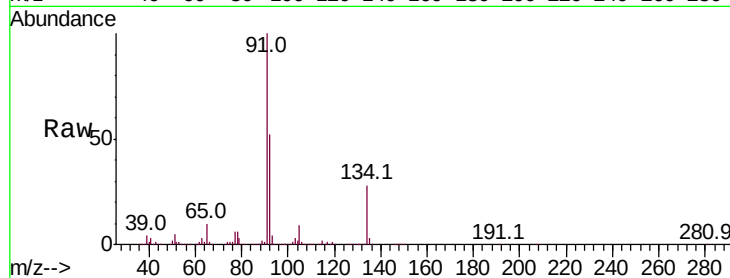
91 100

92 51.7 26.5 79.4

134 27.3 14.1 42.3

Manual Integrations  
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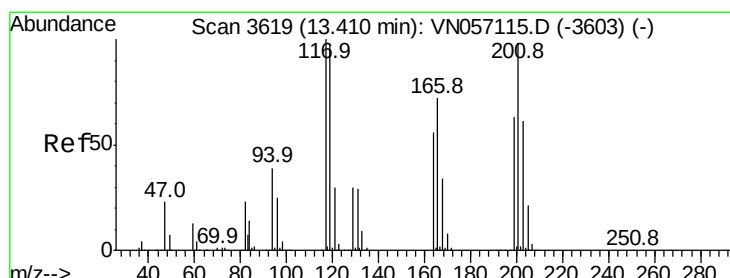
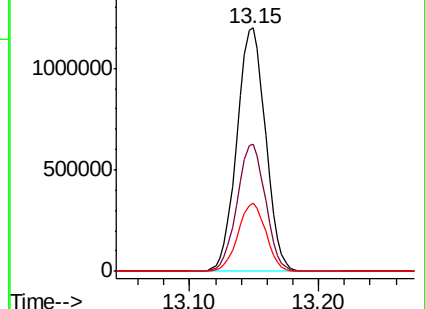
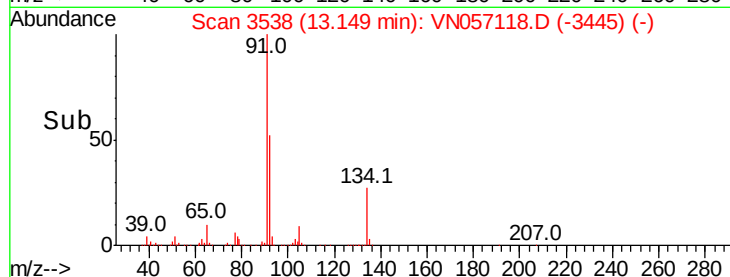
MMDadoda  
8/8/2019 2:40:43 PM



Abundance Ion 91.00 (90.70 to 91.70): VN057115.D (-3521) (-)

Ion 92.00 (91.70 to 92.70): VN057115.D (-3521) (-)

Ion 134.00 (133.70 to 134.70): VN057115.D (-3521) (-)



#90

Hexachloroethane

Concen: 51.234 ug/l

RT: 13.41 min Scan# 3618

Delta R.T. -0.00 min

Lab File: VN057118.D

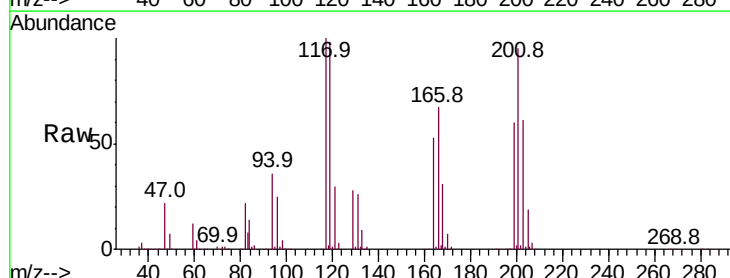
Acq: 7 Aug 2019 22:14

Tgt Ion: 117 Resp: 425796

Ion Ratio Lower Upper

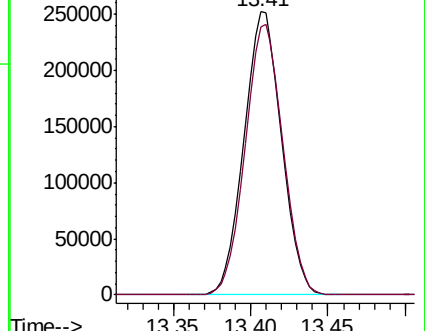
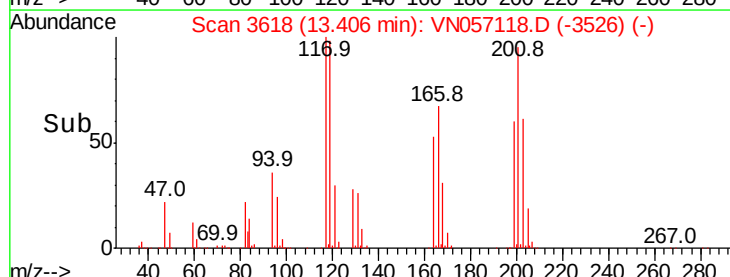
117 100

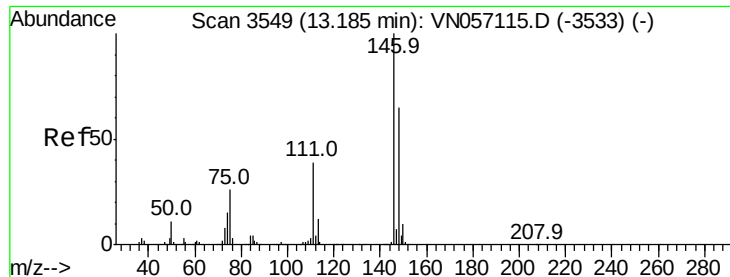
201 95.7 49.3 147.8



Abundance Ion 116.80 (116.50 to 117.50): VN057115.D (-3603) (-)

Ion 200.70 (200.40 to 201.40): VN057115.D (-3603) (-)





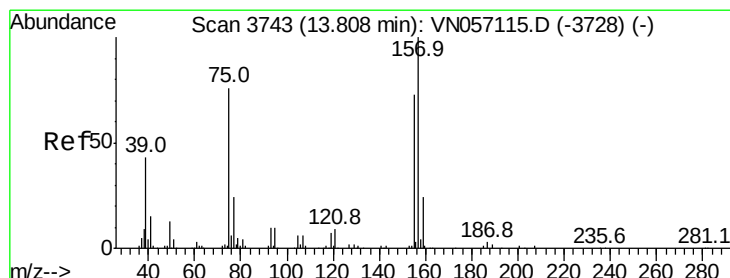
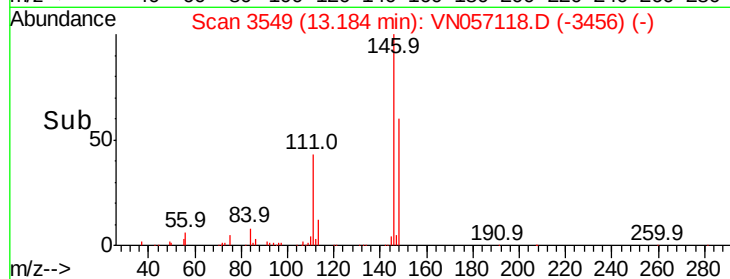
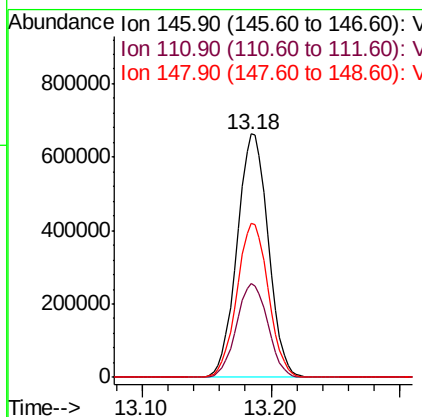
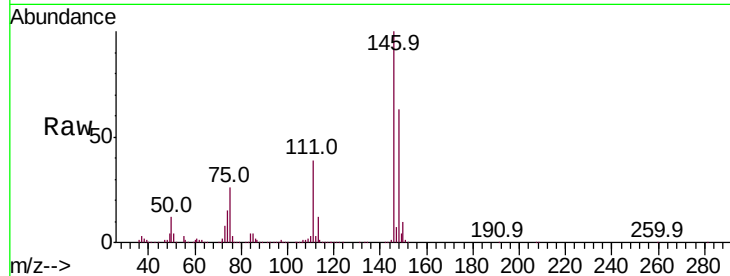
#91  
 1,2-Dichlorobenzene  
 Concen: 47.624 ug/l  
 RT: 13.18 min Scan# 3549  
 Delta R.T. -0.00 min  
 Lab File: VN057118.D  
 Acq: 7 Aug 2019 22:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN080719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.9  | 19.2  | 57.6  |
| 148     | 63.9  | 32.4  | 97.0  |

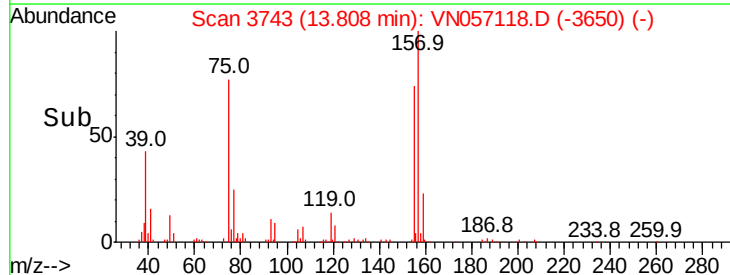
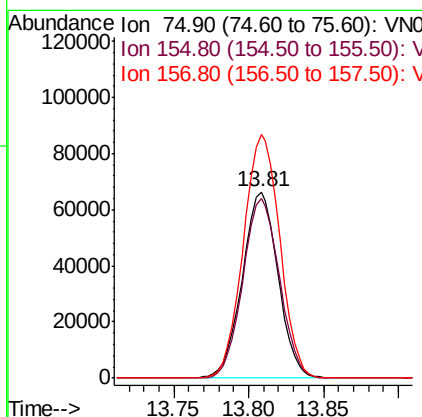
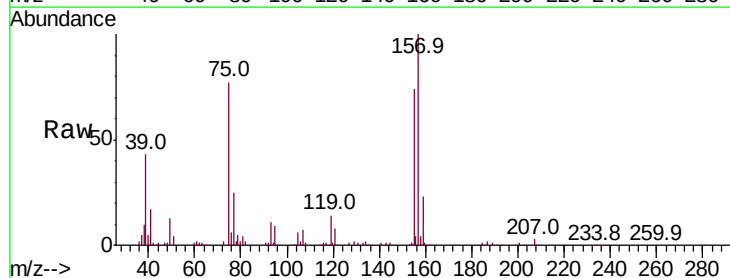
Manual Integrations  
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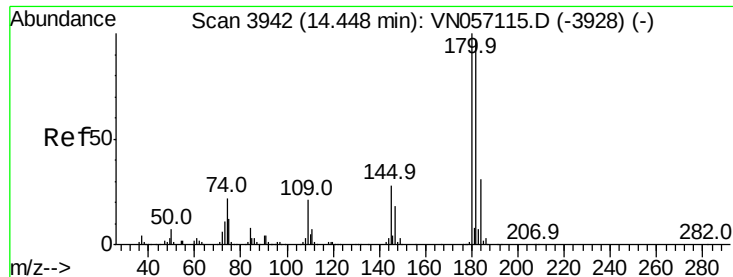
MMDadoda  
 8/8/2019 2:40:43 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 45.955 ug/l  
 RT: 13.81 min Scan# 3743  
 Delta R.T. -0.00 min  
 Lab File: VN057118.D  
 Acq: 7 Aug 2019 22:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 98.5  | 49.3  | 147.9 |
| 157     | 133.5 | 65.3  | 195.8 |





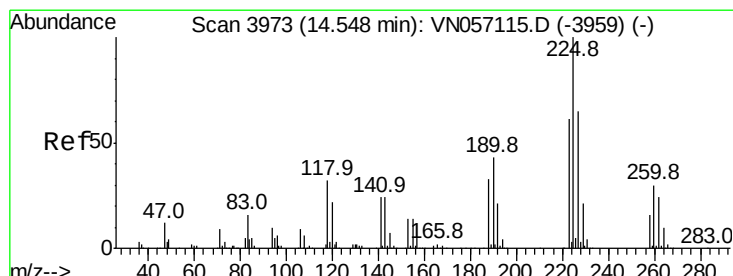
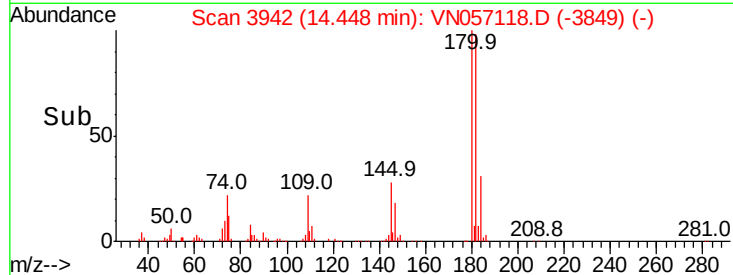
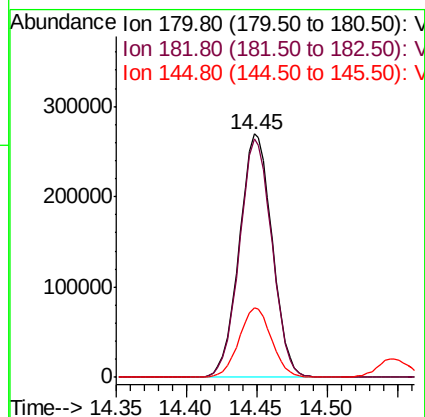
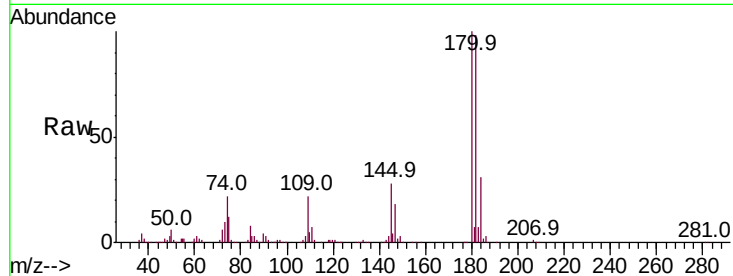
#93  
 1,2,4-Trichlorobenzene  
 Concen: 44.995 ug/l  
 RT: 14.45 min Scan# 3942  
 Delta R.T. 0.00 min  
 Lab File: VN057118.D  
 Acq: 7 Aug 2019 22:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN080719

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 97.0  | 47.5 | 142.6 |       |
| 145     | 28.1  | 14.1 | 42.2  |       |

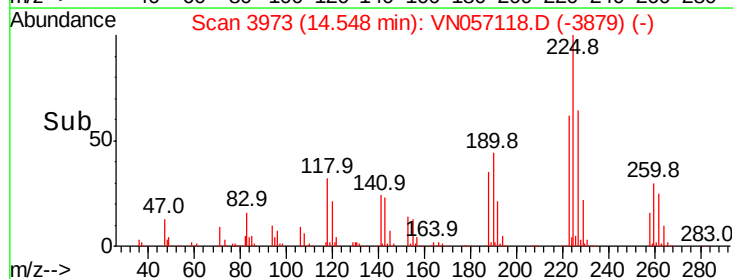
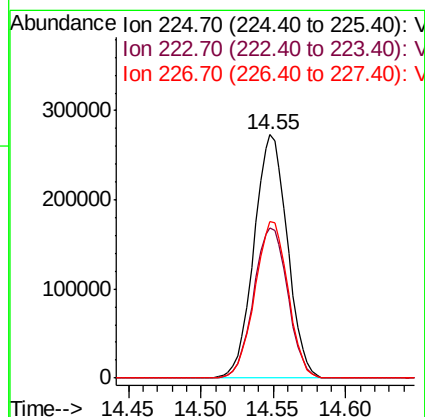
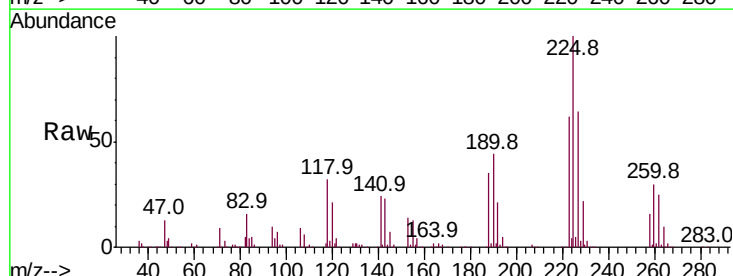
Manual Integrations  
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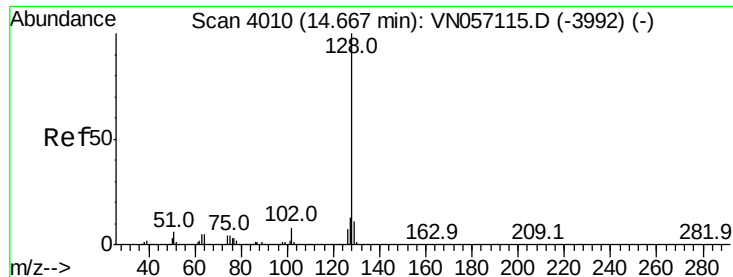
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 8/8/2019 2:40:43 PM



#94  
 Hexachlorobutadiene  
 Concen: 53.987 ug/l  
 RT: 14.55 min Scan# 3973  
 Delta R.T. 0.00 min  
 Lab File: VN057118.D  
 Acq: 7 Aug 2019 22:14

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 63.1  | 30.9 | 92.8  |       |
| 227     | 64.1  | 32.4 | 97.0  |       |





#95

Naphthalene

Concen: 49.960 ug/l

RT: 14.66 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

Instrument :

MSVOA\_N

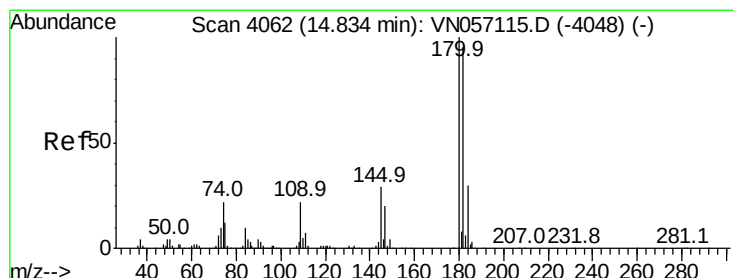
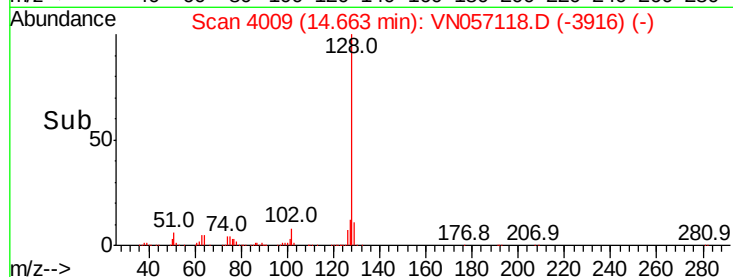
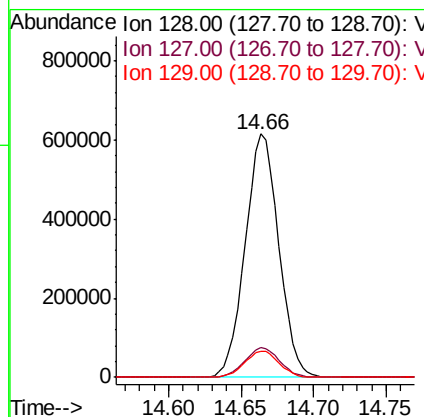
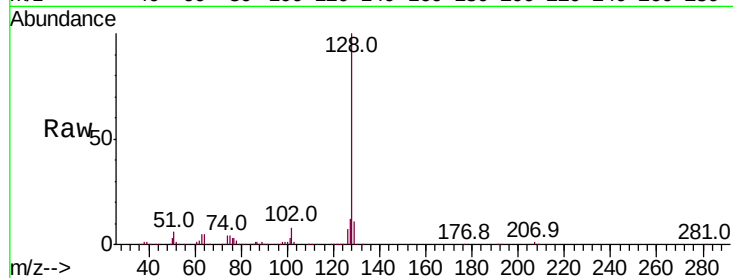
ClientSampleId :

ICVVN080719

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 992137 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.5  | 10.3  | 15.5   |
| 129       | 11.0  | 8.8   | 13.2   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 44.274 ug/l

RT: 14.83 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VN057118.D

Acq: 7 Aug 2019 22:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 446451 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.7  | 48.3  | 144.8  |
| 145       | 29.3  | 14.9  | 44.5   |

