

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022119\  
 Data File : VN053902.D  
 Acq On : 21 Feb 2019 19:38  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 2/22/2019 10:31:01 AM

Quant Time: Feb 22 02:50:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022019W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 21 03:36:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 638516   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 954869   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 843616   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 402882   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 315582   | 48.36 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.72%  |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 304160   | 48.54 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.08%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 1138880  | 50.32 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.64% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 373259   | 49.95 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.90%  |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 256310  | 46.203  | ug/l | 99     |
| 3) Chloromethane              | 2.06 | 50  | 321446  | 46.609  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.19 | 62  | 359911  | 48.616  | ug/l | 98     |
| 5) Bromomethane               | 2.57 | 94  | 262766  | 48.467  | ug/l | 98     |
| 6) Chloroethane               | 2.71 | 64  | 234660  | 49.044  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 510392  | 48.550  | ug/l | 100    |
| 8) Diethyl Ether              | 3.41 | 74  | 189870  | 51.378  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.77 | 101 | 316791  | 50.001  | ug/l | 99     |
| 10) Methyl Iodide             | 3.96 | 142 | 499138  | 53.126  | ug/l | 100    |
| 11) Tert butyl alcohol        | 4.78 | 59  | 107195  | 263.143 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 309426  | 52.220  | ug/l | 97     |
| 13) Acrolein                  | 3.61 | 56  | 108851  | 373.850 | ug/l | 99     |
| 14) Allyl chloride            | 4.33 | 41  | 482416  | 53.794  | ug/l | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 573224  | 279.324 | ug/l | 100    |
| 16) Acetone                   | 3.82 | 43  | 390269  | 217.462 | ug/l | 98     |
| 17) Carbon Disulfide          | 4.06 | 76  | 921569  | 50.215  | ug/l | 99     |
| 18) Methyl Acetate            | 4.33 | 43  | 228015  | 53.833  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 832139  | 55.352  | ug/l | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 348907  | 51.929  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 326990  | 52.578  | ug/l | 98     |
| 22) Diisopropyl ether         | 5.95 | 45  | 938260  | 56.126  | ug/l | 99     |
| 23) Vinyl Acetate             | 5.90 | 43  | 3391117 | 282.173 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 586997  | 51.863  | ug/l | 100    |
| 25) 2-Butanone                | 6.83 | 43  | 570706  | 246.442 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 401663  | 46.766  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 354978  | 50.953  | ug/l | 99     |
| 28) Bromochloromethane        | 7.19 | 49  | 241492  | 48.887  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 373504  | 249.390 | ug/l | 99     |
| 30) Chloroform                | 7.37 | 83  | 538235  | 47.327  | ug/l | 98     |
| 31) Cyclohexane               | 7.65 | 56  | 494142  | 47.654  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 461791  | 47.458  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 411882  | 47.059  | ug/l | 100    |
| 37) Ethyl Acetate             | 6.93 | 43  | 250882  | 47.632  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 419716  | 48.034  | ug/l | 99     |

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Manual Integrations  
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MMDadoda  
 2/22/2019 10:31:01 AM

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022019W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 21 03:36:07 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 494644   | 49.045  | ug/l   | 100      |
| 40) Benzene                    | 8.04  | 78   | 1258760  | 48.648  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.18  | 41   | 130340   | 45.333  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 374290   | 48.523  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.16  | 43   | 446993   | 47.879  | ug/l # | 90       |
| 44) Trichloroethene            | 8.84  | 130  | 358859   | 49.543  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 324713   | 49.155  | ug/l   | 98       |
| 46) Dibromomethane             | 9.21  | 93   | 196340   | 49.362  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 415406   | 49.506  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 207463   | 51.830  | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 61061    | 943.235 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1180294  | 246.168 | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 766170   | 49.967  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 420691   | 51.631  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 492111   | 51.242  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 284355   | 50.729  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 346071   | 48.102  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 467750   | 49.560  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 731094   | 227.042 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 732709   | 250.154 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 328602   | 50.223  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 277191   | 49.776  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 354089   | 46.939  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.44 | 112  | 846805   | 47.956  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 317780   | 49.316  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 1415298  | 49.525  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 1114374  | 100.710 | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 537224   | 50.431  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 867736   | 51.909  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 232194   | 50.775  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1401288  | 49.372  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 335073   | 51.409  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 332386   | 49.534  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 272087m  | 46.005  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 374725   | 49.217  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 1600320  | 50.421  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 947239   | 49.497  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1210368  | 51.376  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 89733    | 50.088  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 957114   | 50.202  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1075188  | 50.826  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1216138  | 51.468  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1429092  | 50.174  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 1264757  | 51.164  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 651749   | 49.055  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 633564   | 47.394  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 1030164  | 50.677  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 225355   | 47.720  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 644991   | 49.482  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 48797    | 49.835  | ug/l   | 99       |

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ALS Vial : 26 Sample Multiplier: 1

Instrument :  
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Quant Title : SW846 8260  
QLast Update : Thu Feb 21 03:36:07 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 353895   | 45.120 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 235848   | 43.386 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 685135   | 43.518 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 343247   | 46.030 | ug/l  | 99       |

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

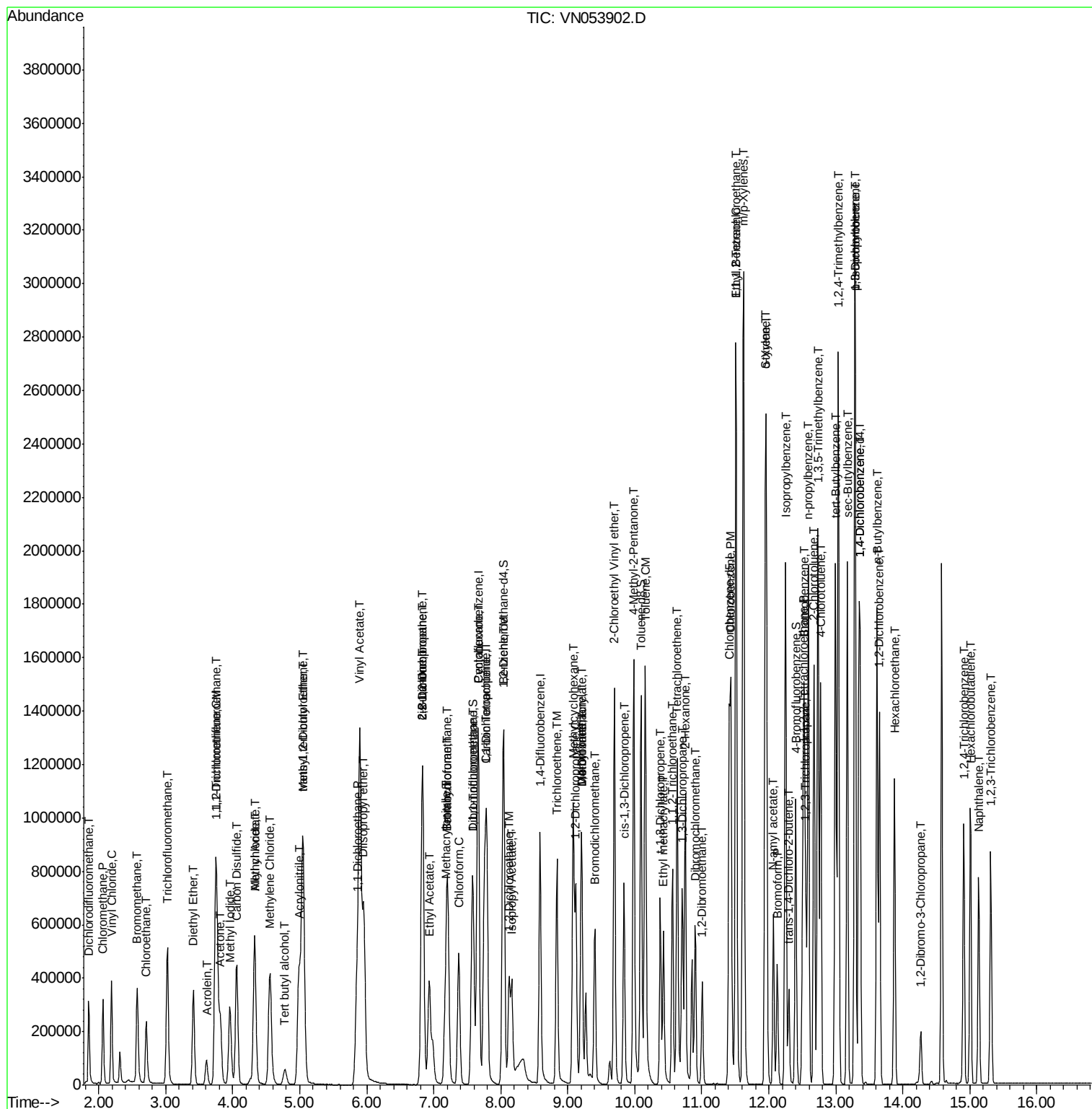
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022119\  
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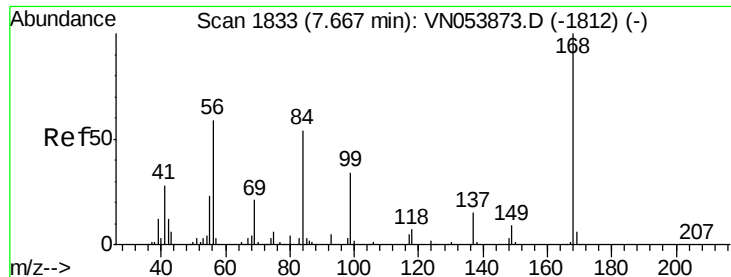
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 638516

Ion Ratio Lower Upper

168 100

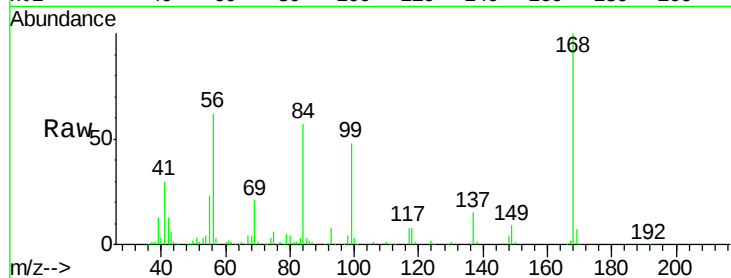
99 48.1 36.9 55.3

Manual Integrations

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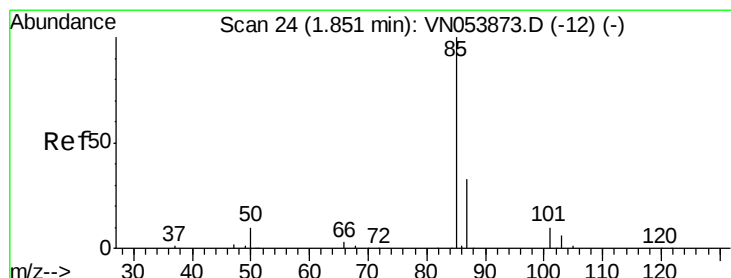
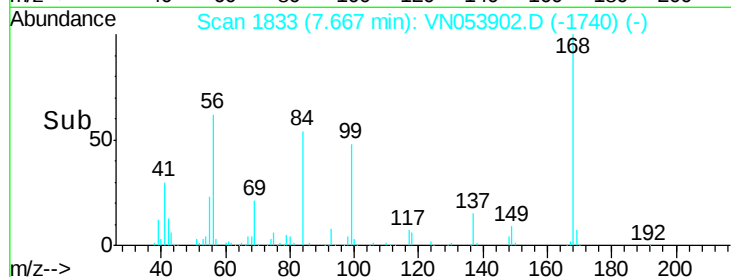
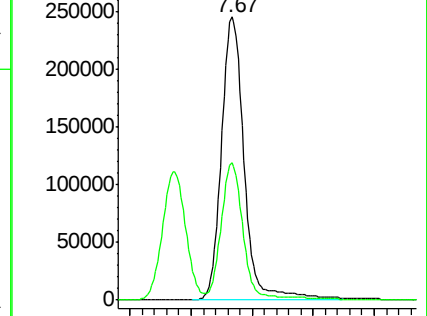
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2/22/2019 10:31:01 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.203 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053902.D

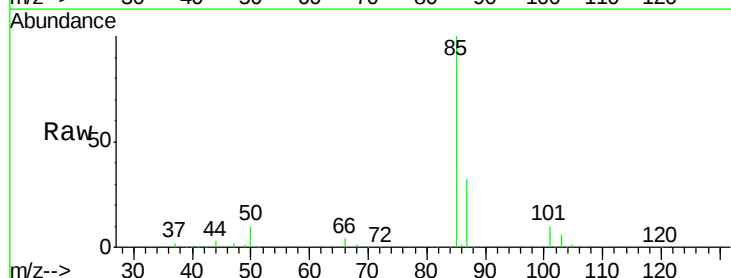
Acq: 21 Feb 2019 19:38

Tgt Ion: 85 Resp: 256310

Ion Ratio Lower Upper

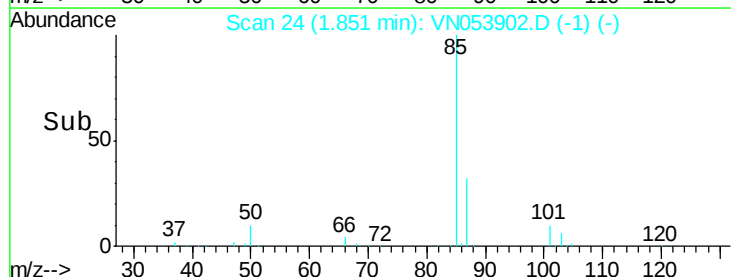
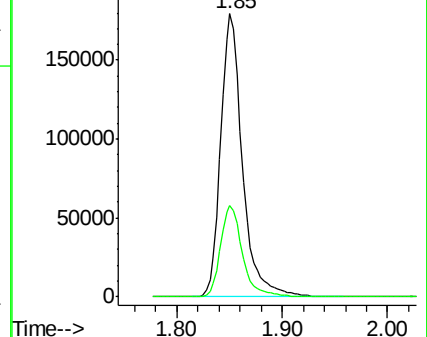
85 100

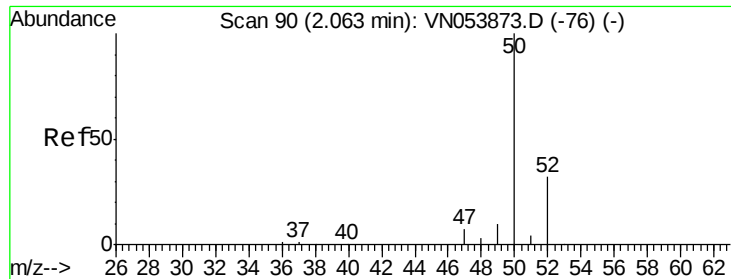
87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.609 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 321446

Ion Ratio Lower Upper

50 100

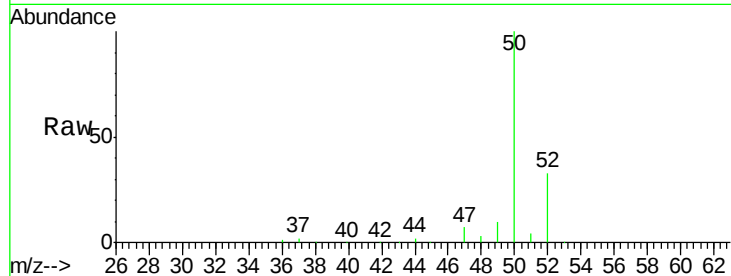
52 33.1 26.0 39.0

Manual Integrations

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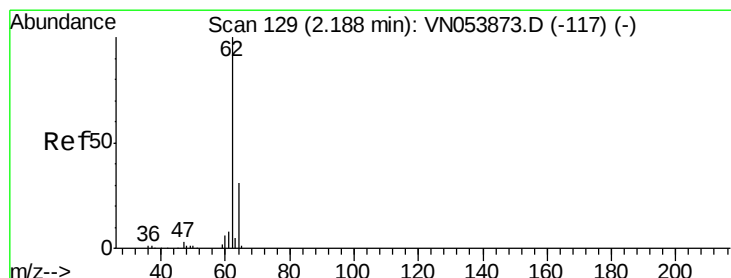
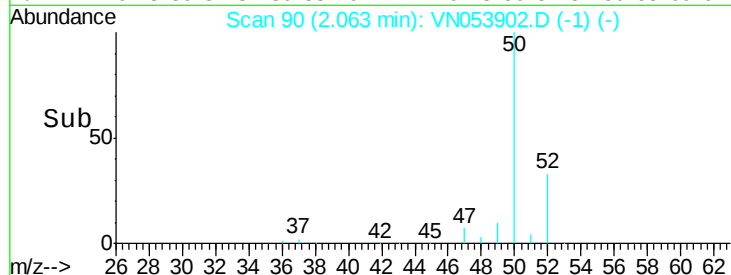
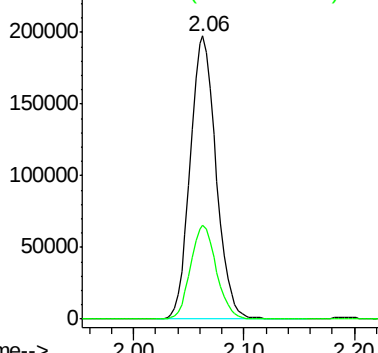
MMDadoda

2/22/2019 10:31:01 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 48.616 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053902.D

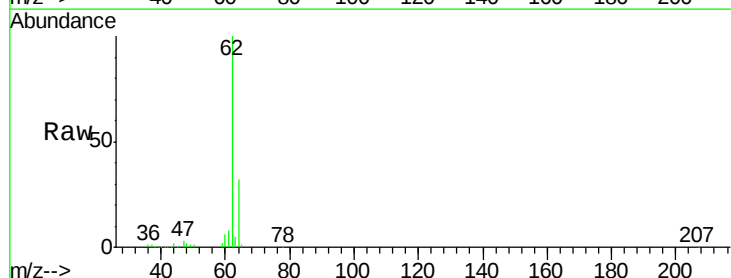
Acq: 21 Feb 2019 19:38

Tgt Ion: 62 Resp: 359911

Ion Ratio Lower Upper

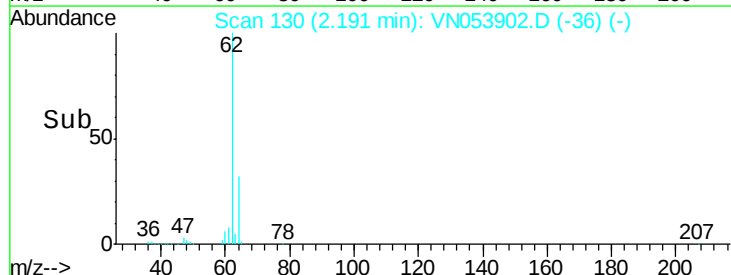
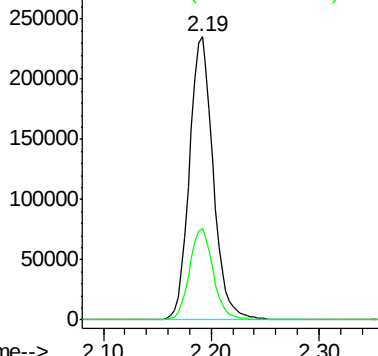
62 100

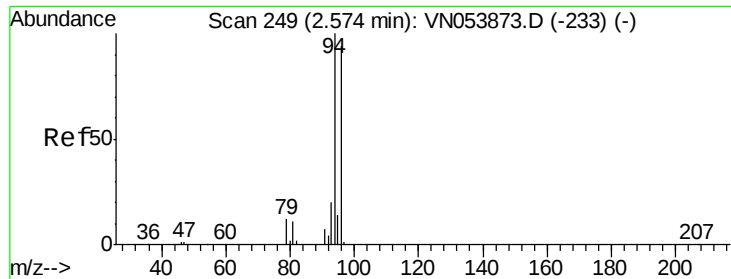
64 32.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 48.467 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 94 Resp: 262766

Ion Ratio Lower Upper

94 100

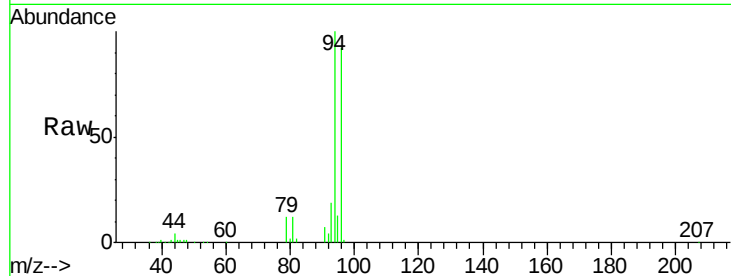
96 91.5 74.9 112.3

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

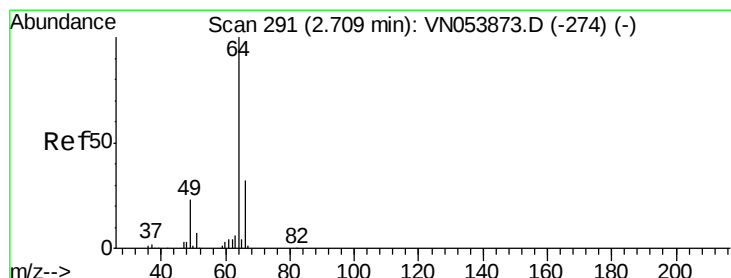
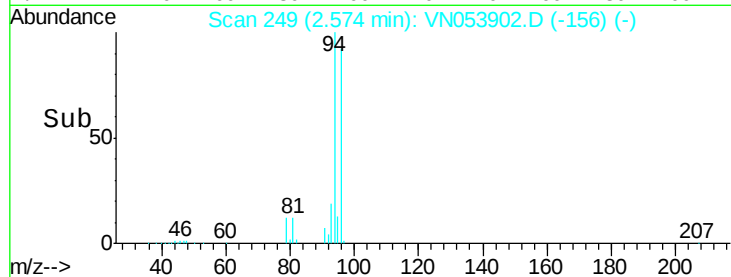
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 49.044 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053902.D

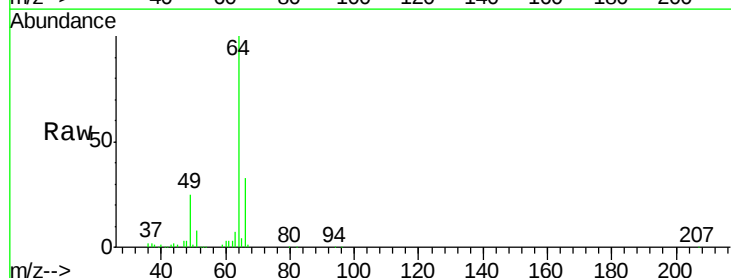
Acq: 21 Feb 2019 19:38

Tgt Ion: 64 Resp: 234660

Ion Ratio Lower Upper

64 100

66 32.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

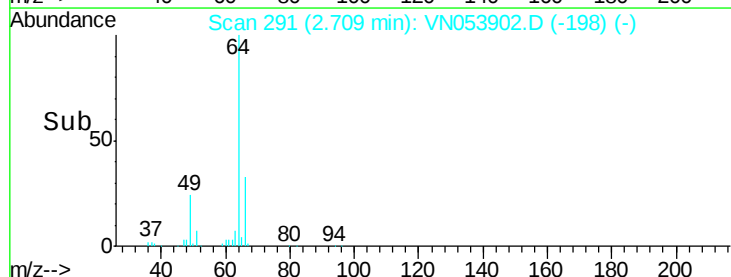
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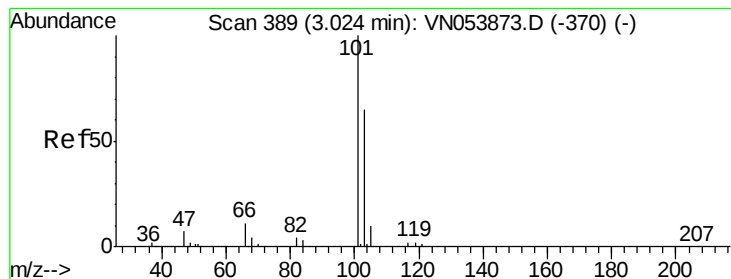
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50000

0

Time-->





#7

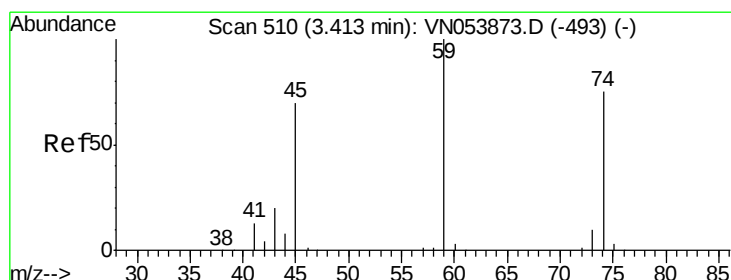
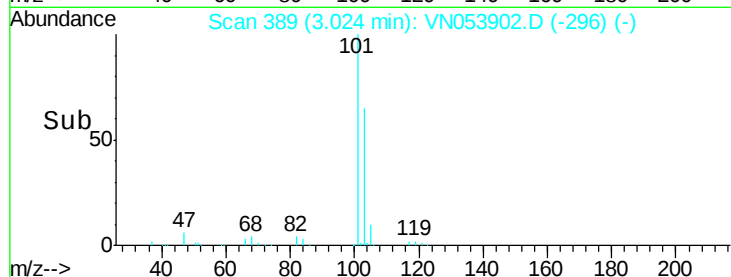
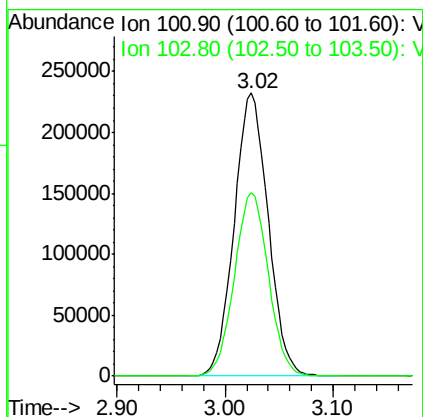
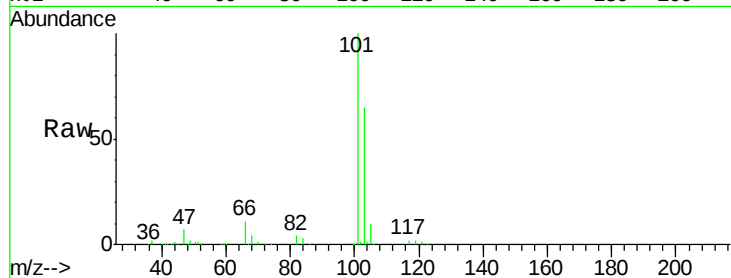
Trichlorofluoromethane  
Concen: 48.550 ug/l  
RT: 3.02 min Scan# 389  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.7  | 51.9  | 77.9  |

Manual Integrations  
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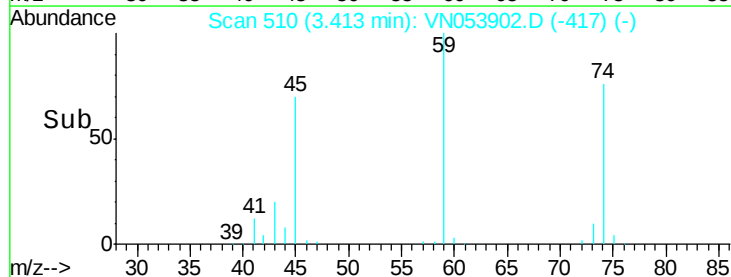
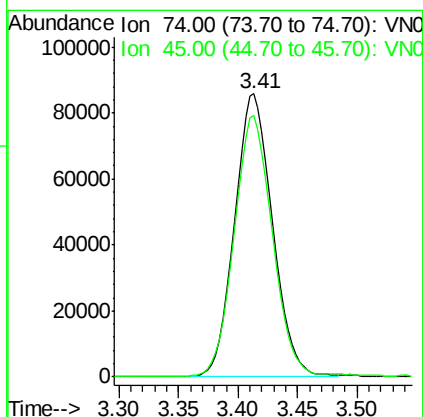
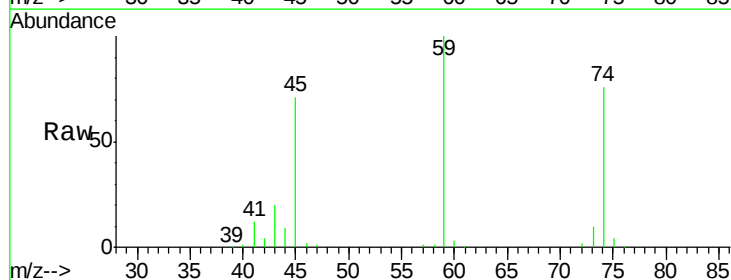
MMDadoda  
2/22/2019 10:31:01 AM

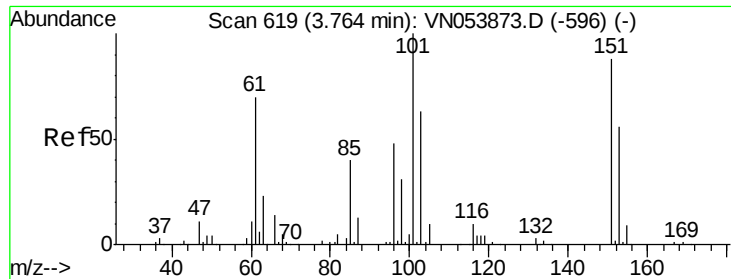


#8

Diethyl Ether  
Concen: 51.378 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 93.8  | 46.9  | 140.6 |





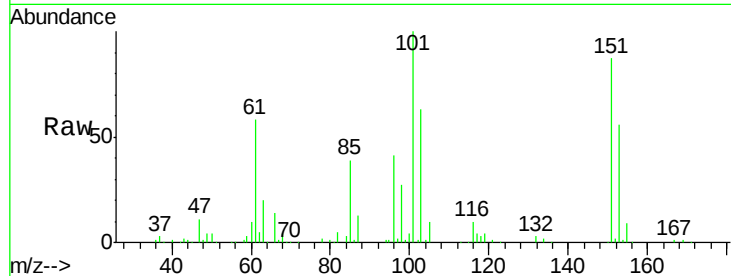
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 50.001 ug/l  
 RT: 3.77 min Scan# 620  
 Delta R.T. 0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

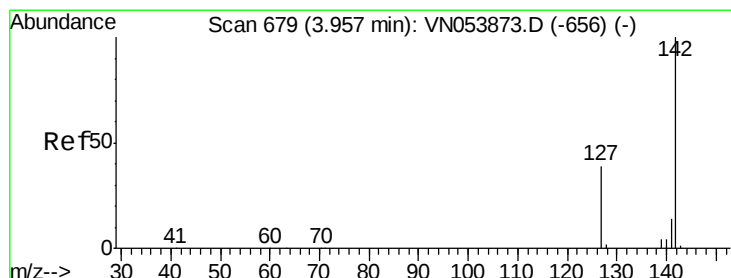
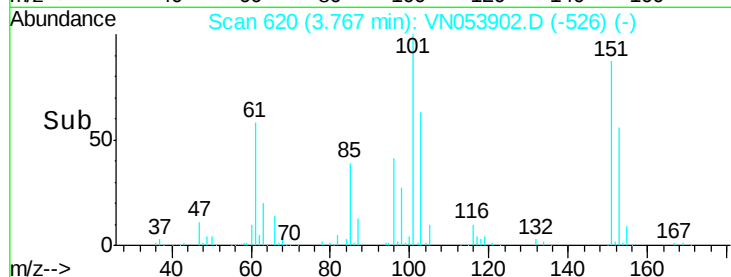
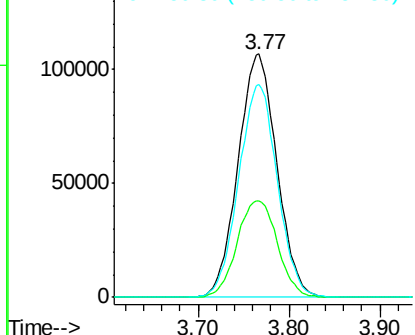
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 316791 |       |       |
| 85      | 41.2  | 32.5   | 48.7  |       |
| 151     | 87.4  | 70.2   | 105.2 |       |

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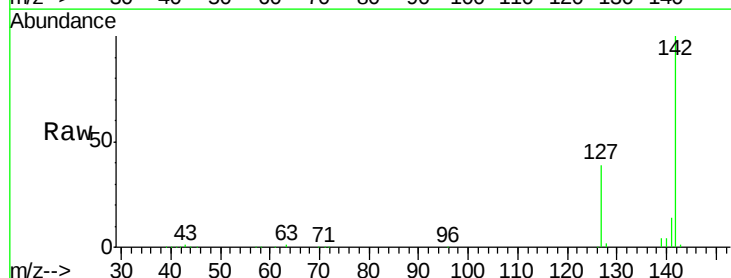


Abundance Ion 100.90 (100.60 to 101.60): V  
 Ion 84.90 (84.60 to 85.60): V  
 Ion 150.80 (150.50 to 151.50): V

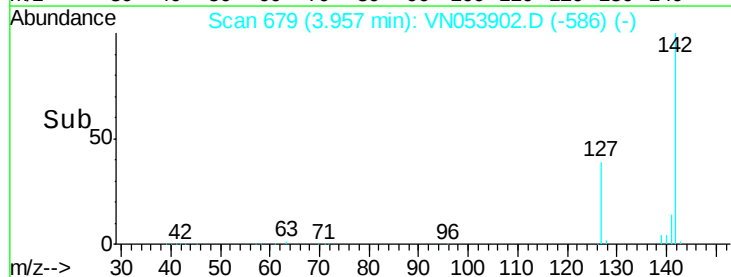
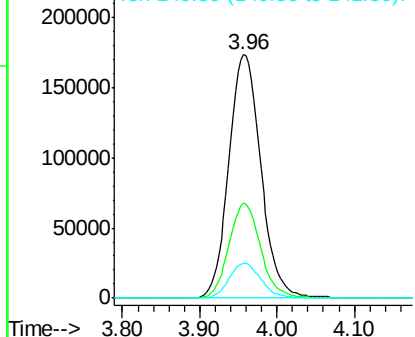


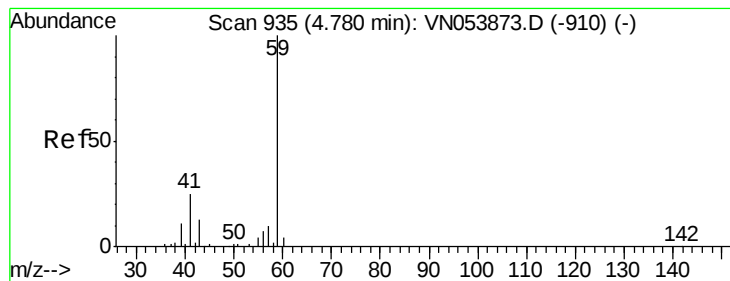
#10  
 Methyl Iodide  
 Concen: 53.126 ug/l  
 RT: 3.96 min Scan# 679  
 Delta R.T. 0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 499138 |       |       |
| 127     | 38.5  | 31.0   | 46.4  |       |
| 141     | 14.2  | 11.3   | 16.9  |       |



Abundance Ion 141.80 (141.50 to 142.50): V  
 Ion 126.80 (126.50 to 127.50): V  
 Ion 140.80 (140.50 to 141.50): V





#11

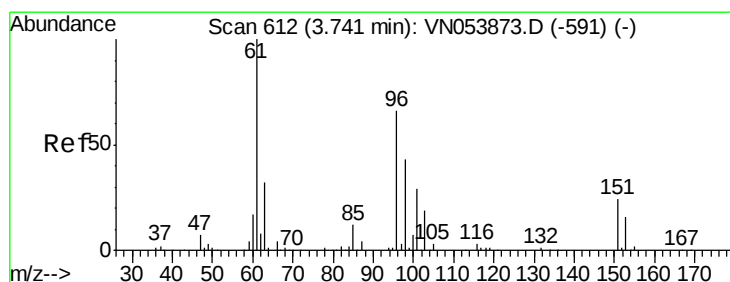
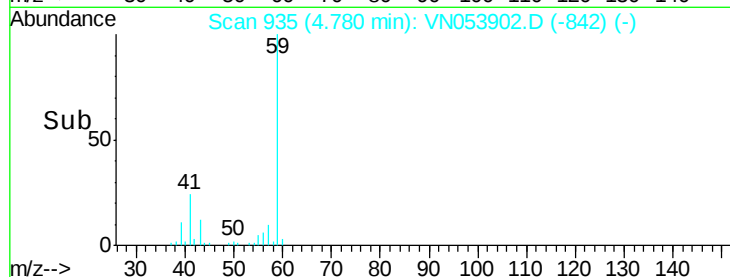
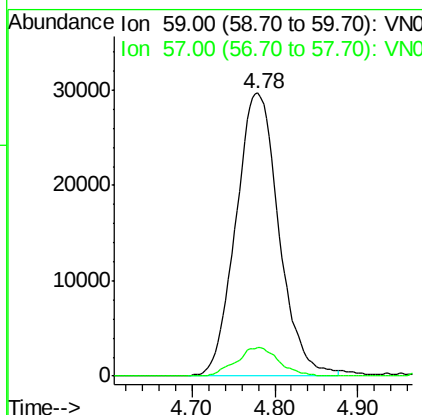
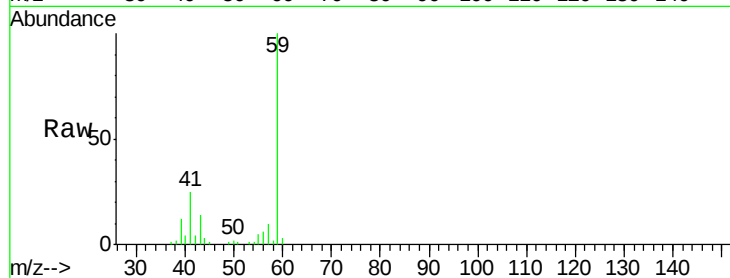
Tert butyl alcohol  
 Concen: 263.143 ug/l  
 RT: 4.78 min Scan# 935  
 Delta R.T. 0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.9   | 8.1   | 12.1  |

Manual Integrations  
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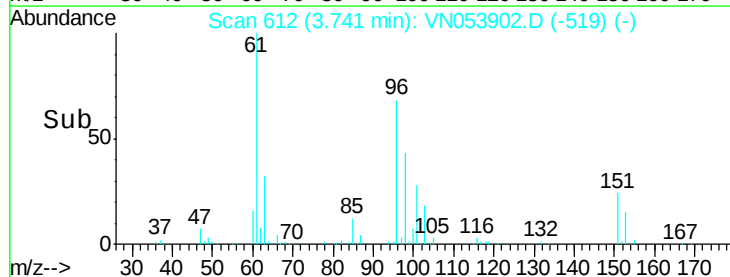
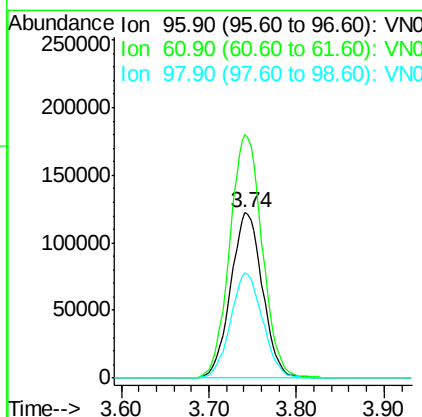
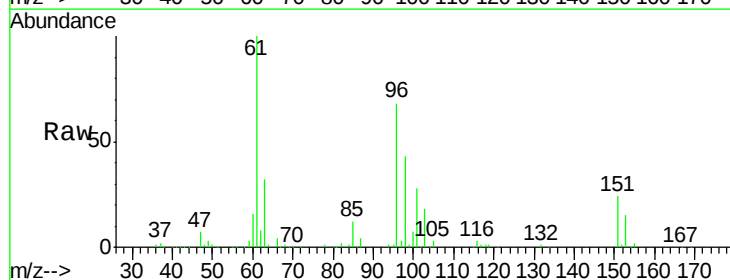
MMDadoda  
 2/22/2019 10:31:01 AM

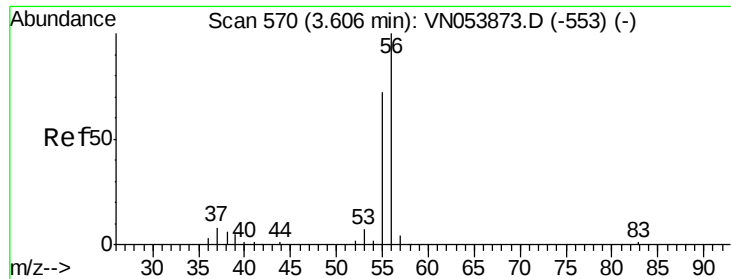


#12

1,1-Dichloroethene  
 Concen: 52.220 ug/l  
 RT: 3.74 min Scan# 612  
 Delta R.T. 0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 147.4 | 121.0 | 181.4 |
| 98      | 63.4  | 52.2  | 78.2  |





#13

Acrolein

Concen: 373.850 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 108851

Ion Ratio Lower Upper

56 100

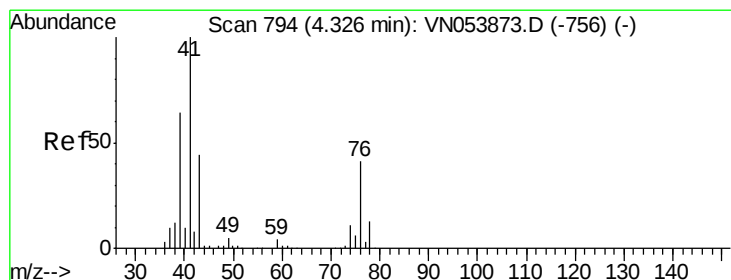
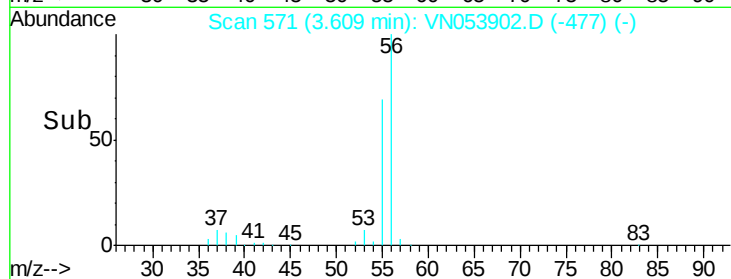
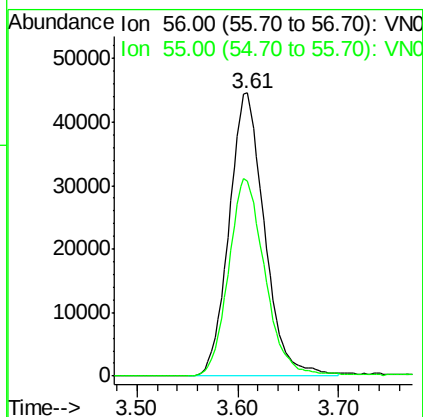
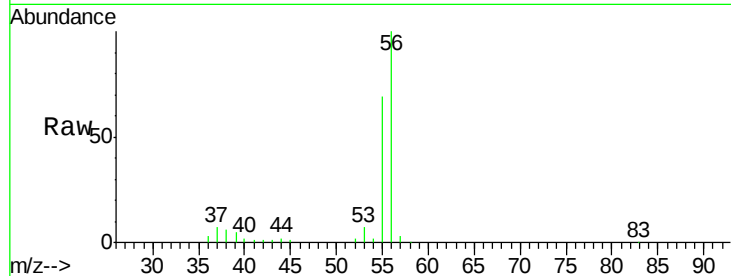
55 71.2 56.3 84.5

Manual Integrations

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#14

Allyl chloride

Concen: 53.794 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

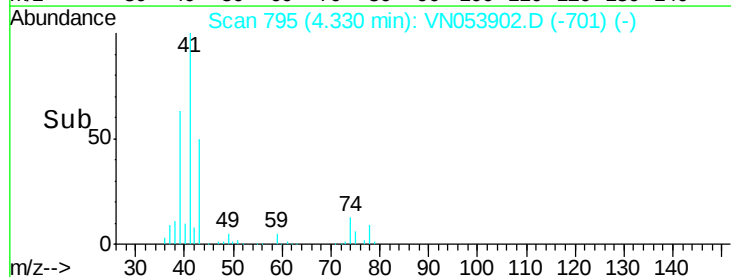
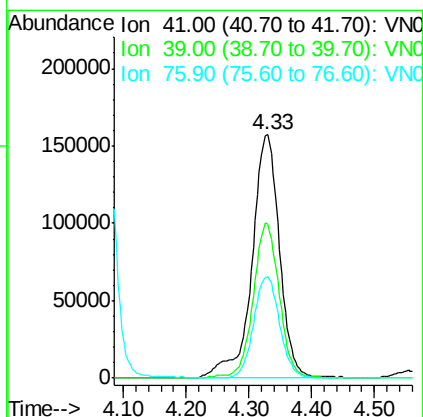
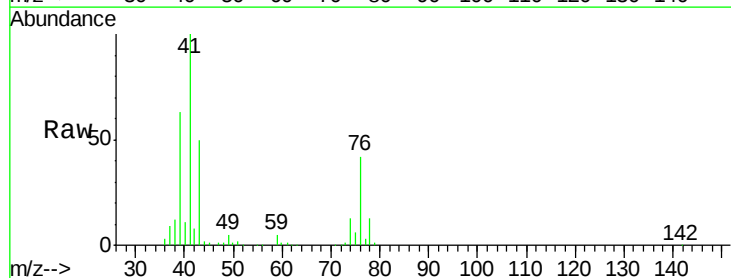
Tgt Ion: 41 Resp: 482416

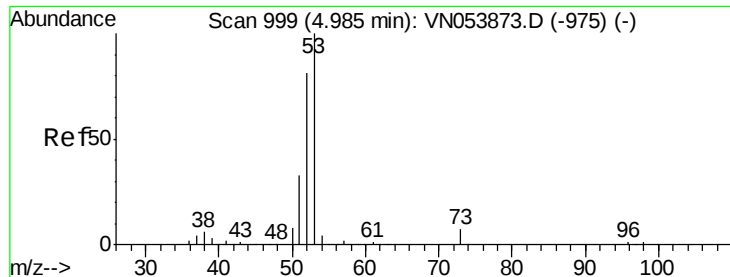
Ion Ratio Lower Upper

41 100

39 59.9 48.8 73.2

76 38.5 30.9 46.3





#15

Acrylonitrile

Concen: 279.324 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA\_N

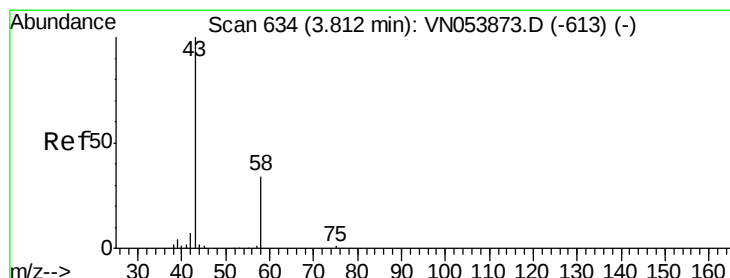
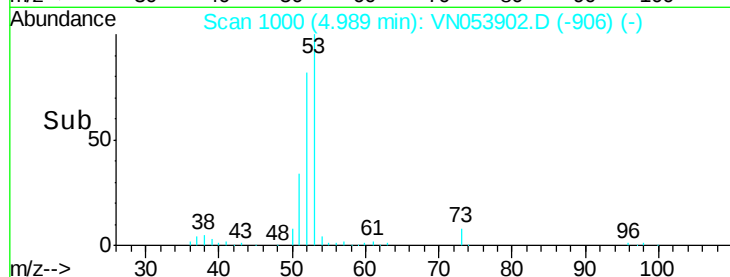
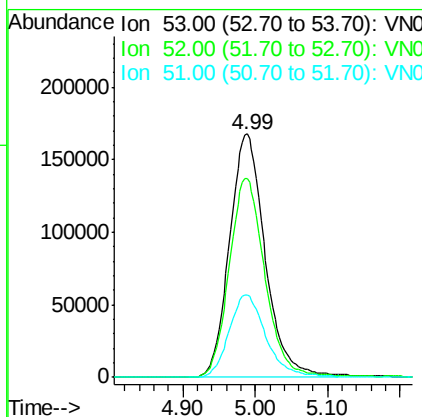
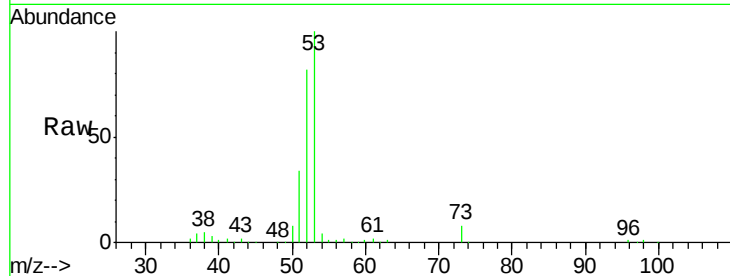
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 573224 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 81.5  | 65.1  | 97.7   |
| 51       | 35.2  | 28.2  | 42.4   |

Manual Integrations  
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#16

Acetone

Concen: 217.462 ug/l

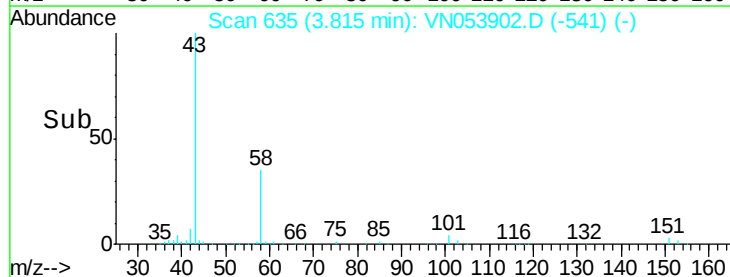
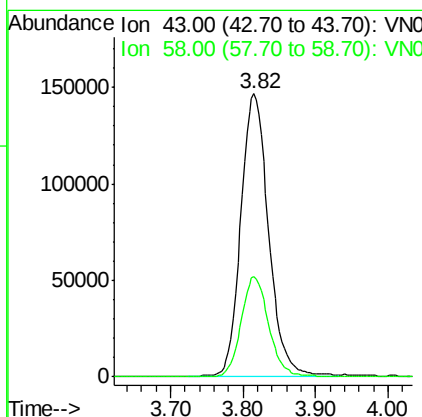
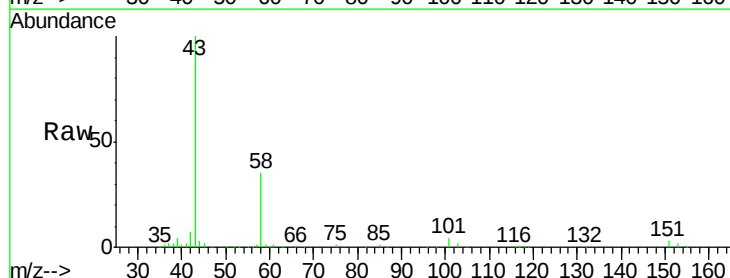
RT: 3.82 min Scan# 635

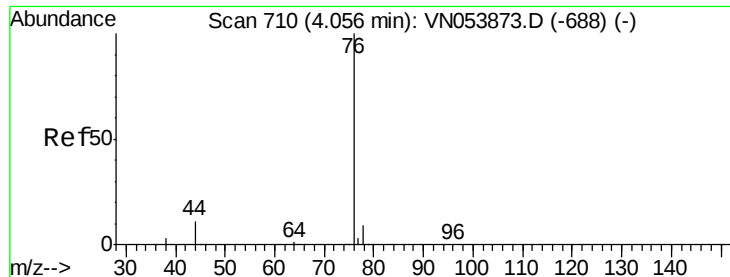
Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 390269 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 35.4  | 27.6  | 41.4   |





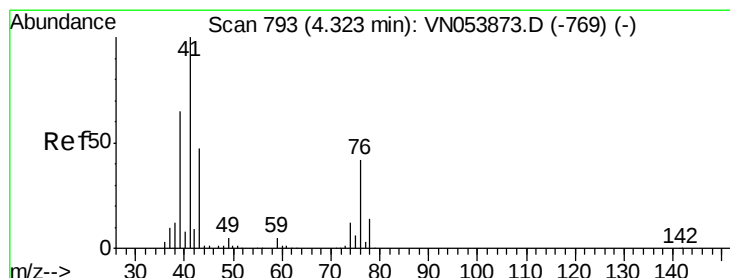
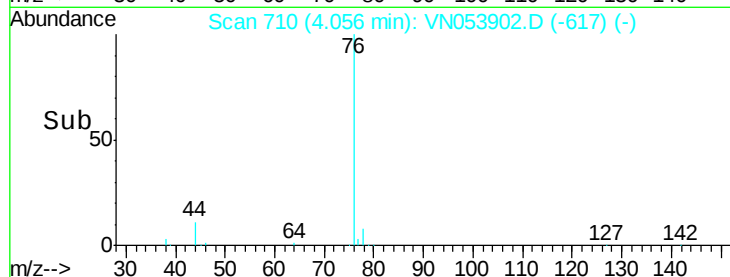
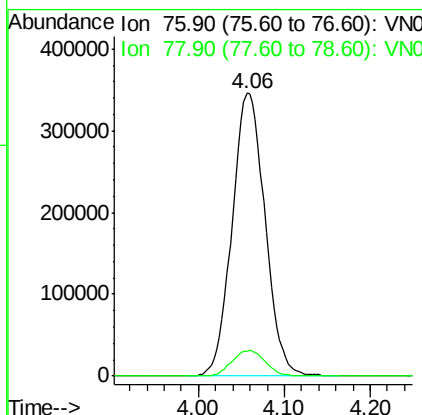
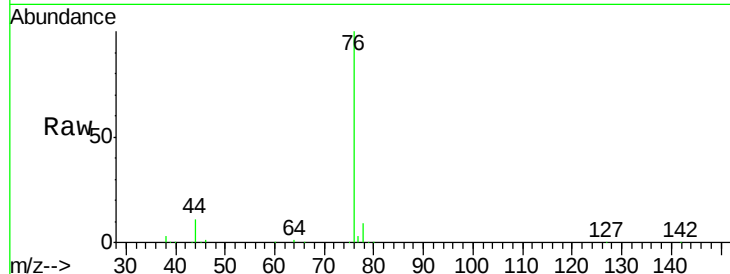
#17  
Carbon Disulfide  
Concen: 50.215 ug/l  
RT: 4.06 min Scan# 710  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.0   | 7.5   | 11.3  |

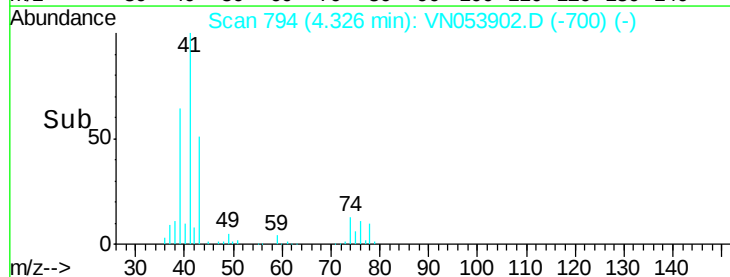
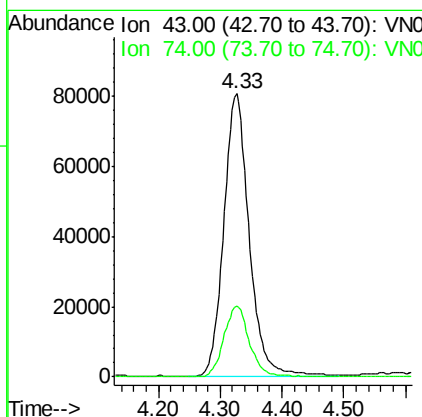
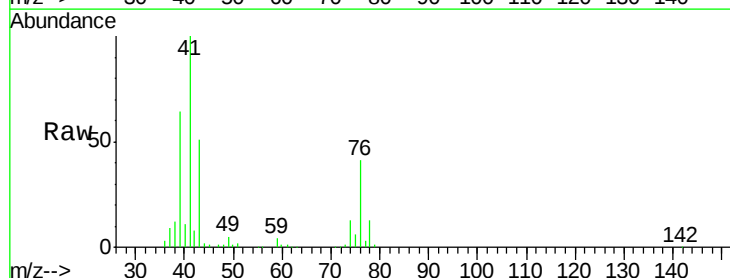
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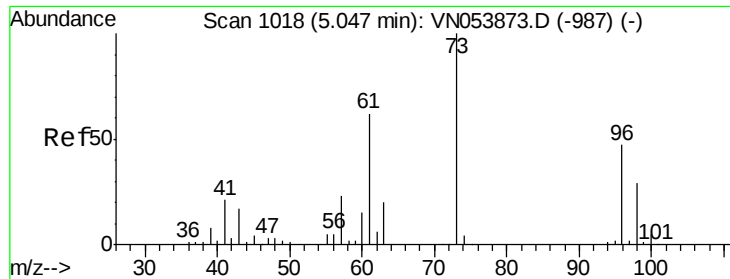
MMDadoda  
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#18  
Methyl Acetate  
Concen: 53.833 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 25.1  | 20.5  | 30.7  |





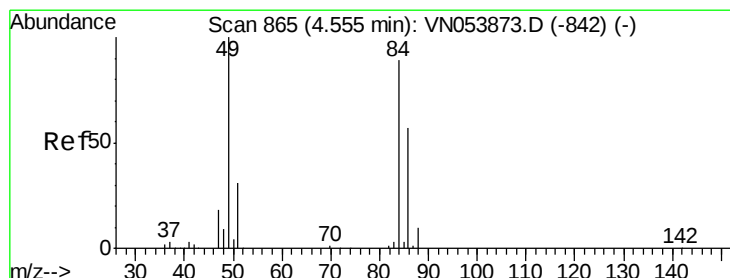
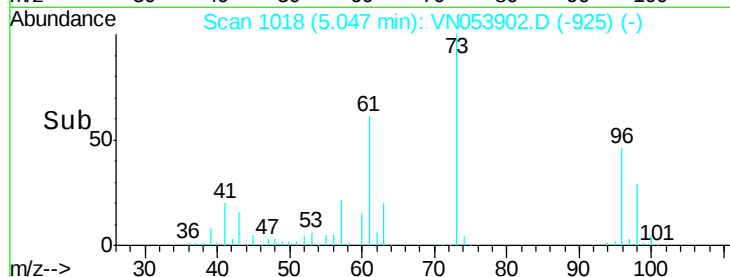
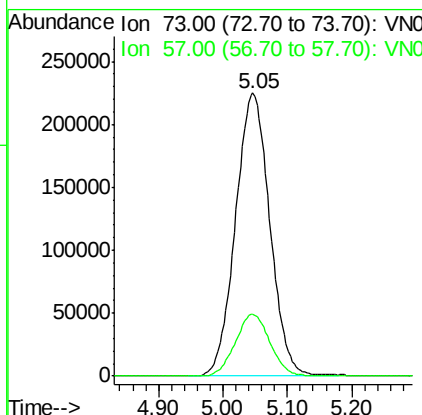
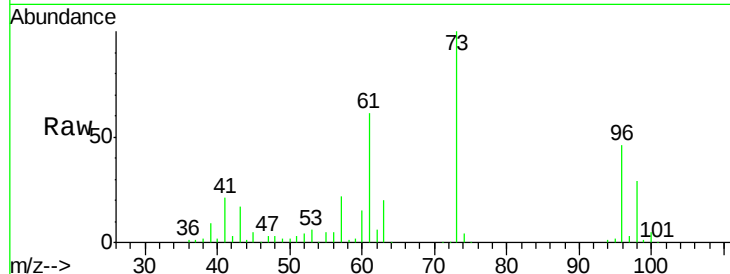
#19  
Methvl tert-butvl Ether  
Concen: 55.352 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 21.9  | 18.0  | 27.0  |

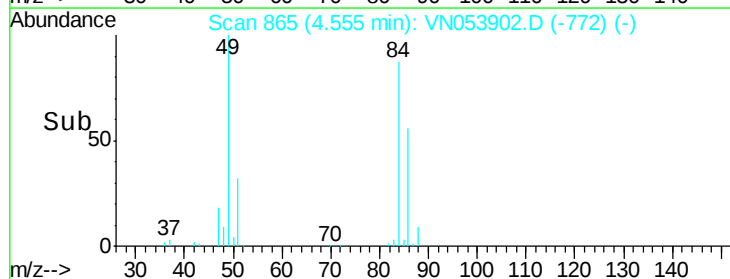
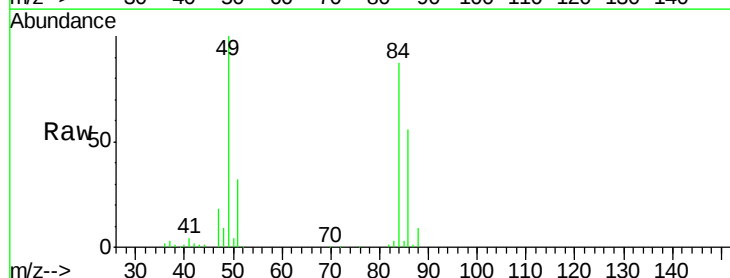
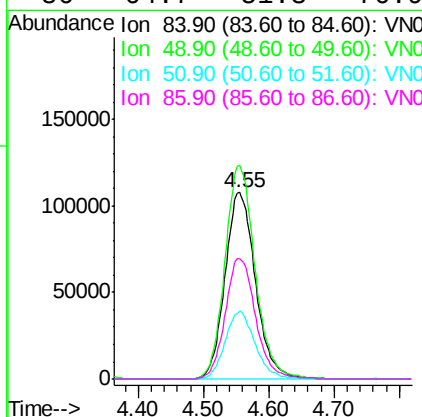
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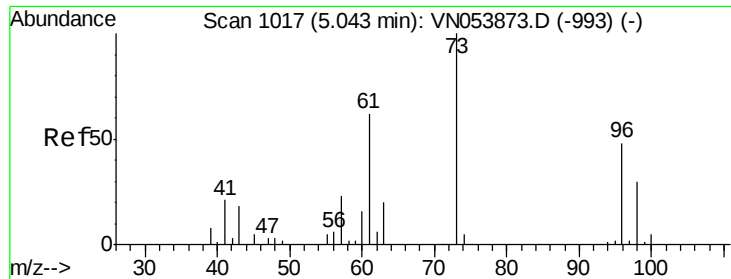
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#20  
Methylene Chloride  
Concen: 51.929 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 114.6 | 89.7  | 134.5 |
| 51      | 36.5  | 27.8  | 41.8  |
| 86      | 64.7  | 51.3  | 76.9  |





#21

trans-1,2-Dichloroethene

Concen: 52.578 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA\_N

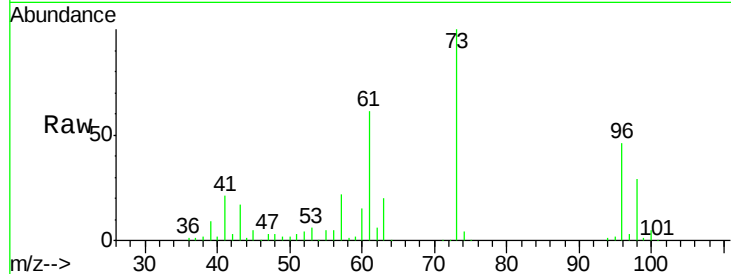
ClientSampleId :

VSTDCCC050EC

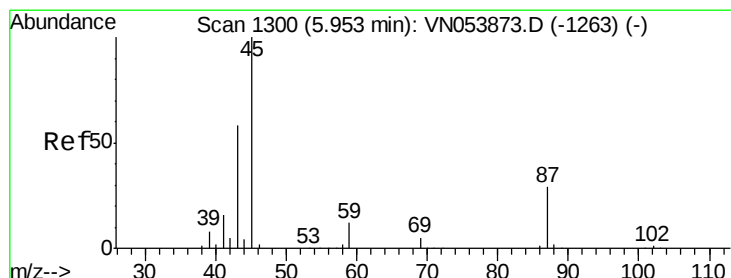
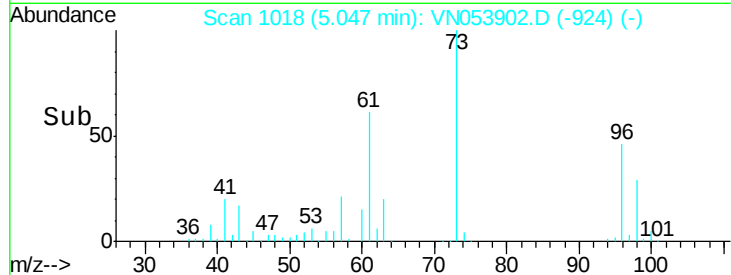
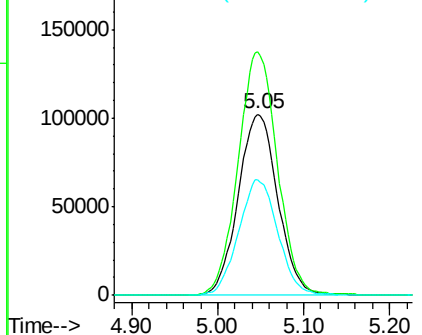
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 326990 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 134.2 | 104.5 | 156.7  |
| 98       | 63.8  | 50.6  | 76.0   |

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Abundance Ion 95.90 (95.60 to 96.60): VNC  
Ion 60.90 (60.60 to 61.60): VNC  
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 56.126 ug/l

RT: 5.95 min Scan# 1300

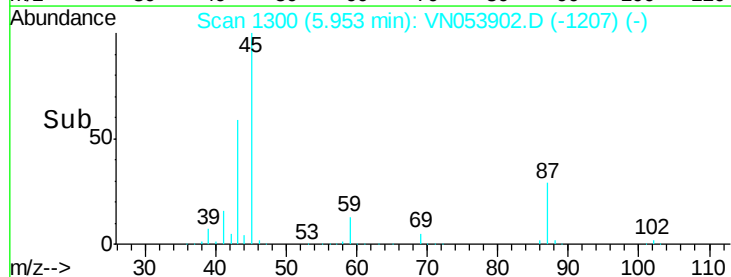
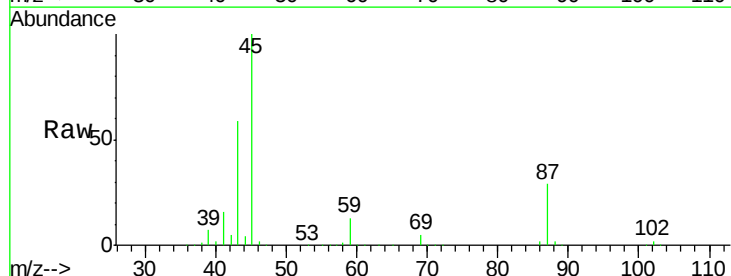
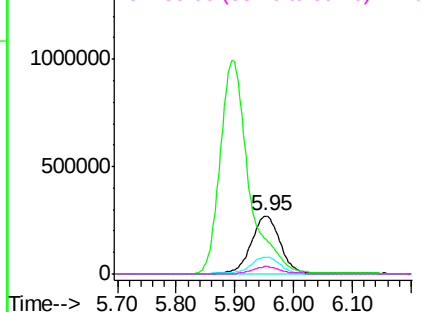
Delta R.T. 0.00 min

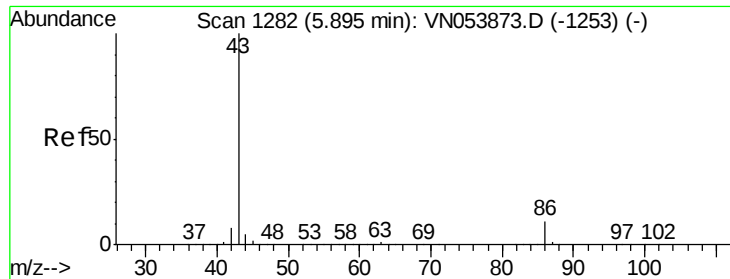
Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 938260 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 58.5  | 46.2  | 69.4   |
| 87       | 28.6  | 23.4  | 35.0   |
| 59       | 12.4  | 9.4   | 14.0   |

Abundance Ion 45.00 (44.70 to 45.70): VNC  
Ion 43.00 (42.70 to 43.70): VNC  
Ion 87.00 (86.70 to 87.70): VNC  
Ion 59.00 (58.70 to 59.70): VNC





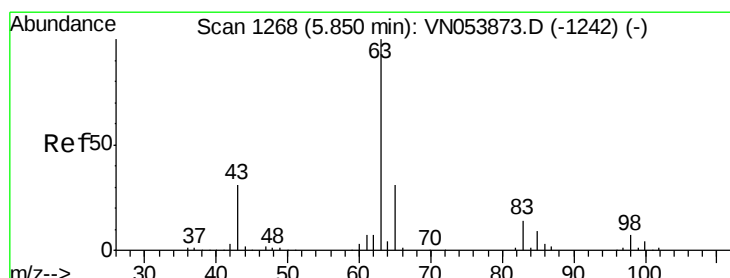
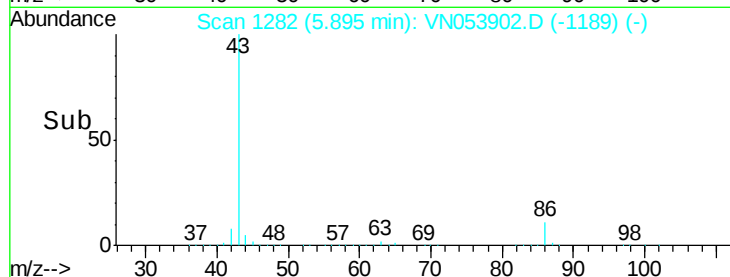
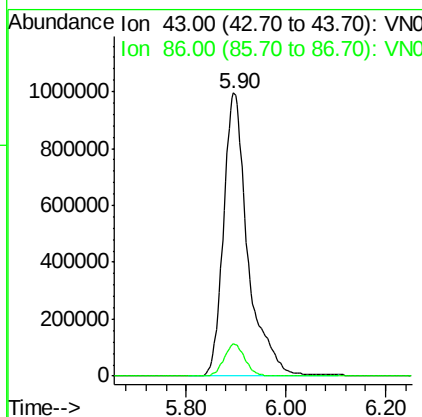
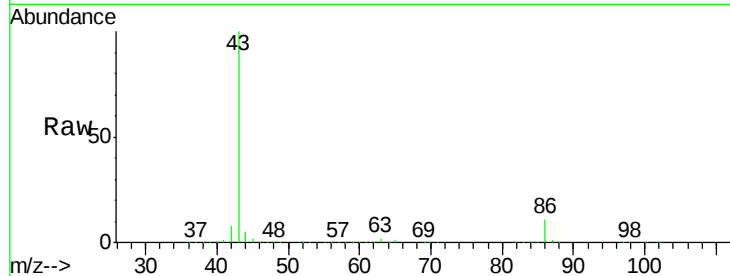
#23  
 Vinyl Acetate  
 Concen: 282.173 ug/l  
 RT: 5.90 min Scan# 1282  
 Delta R.T. 0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 43 Resp: 3391117  
 Ion Ratio Lower Upper  
 43 100  
 86 11.3 9.1 13.7

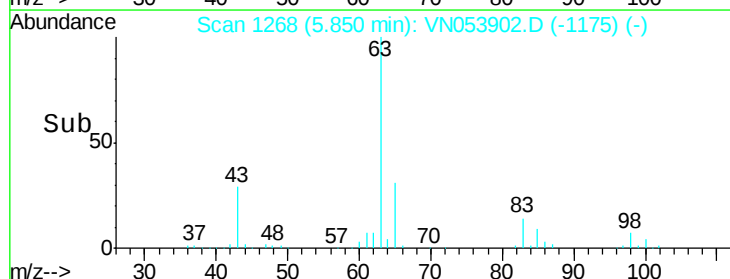
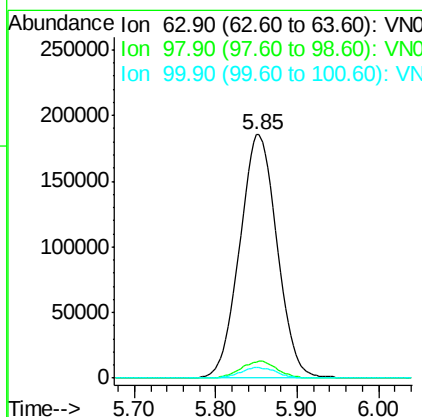
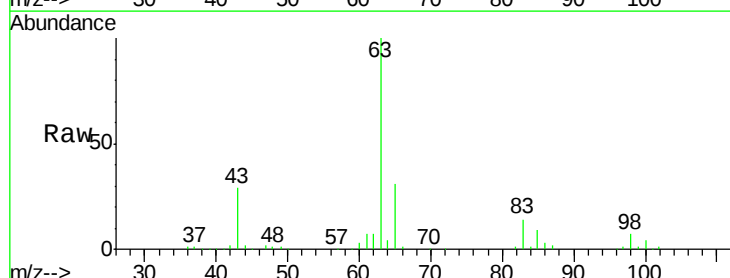
Manual Integrations  
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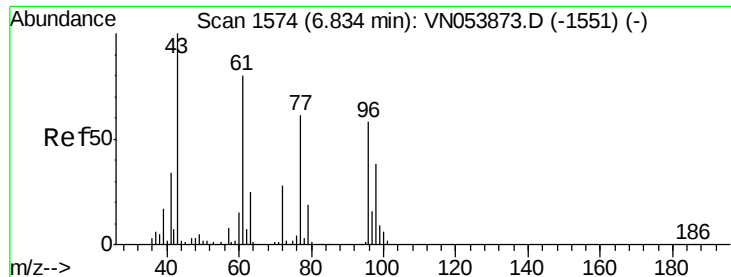
MMDadoda  
 2/22/2019 10:31:01 AM



#24  
 1,1-Dichloroethane  
 Concen: 51.863 ug/l  
 RT: 5.85 min Scan# 1268  
 Delta R.T. 0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

Tgt Ion: 63 Resp: 586997  
 Ion Ratio Lower Upper  
 63 100  
 98 6.7 3.4 10.2  
 100 4.3 2.2 6.6





#25

2-Butanone

Concen: 246.442 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 570706

Ion Ratio Lower Upper

43 100

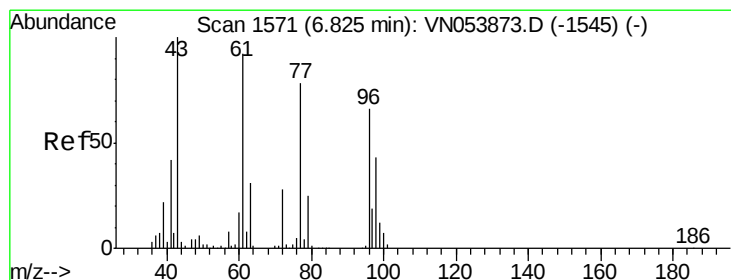
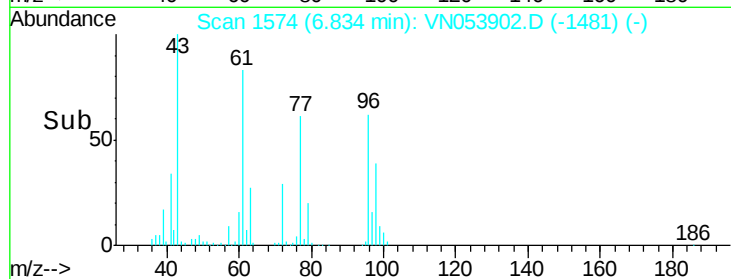
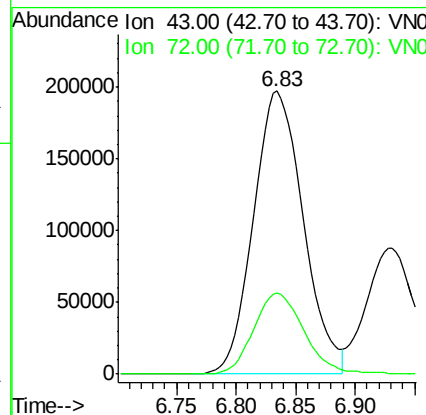
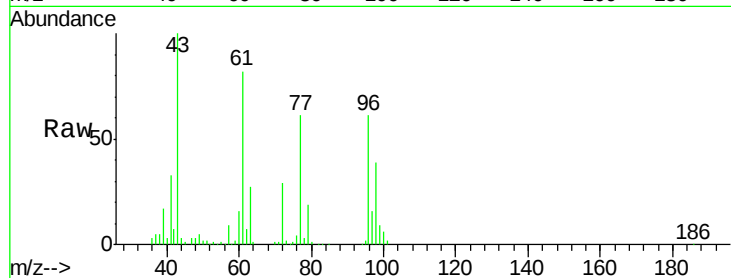
72 28.9 22.1 33.1

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#26

2,2-Dichloropropane

Concen: 46.766 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053902.D

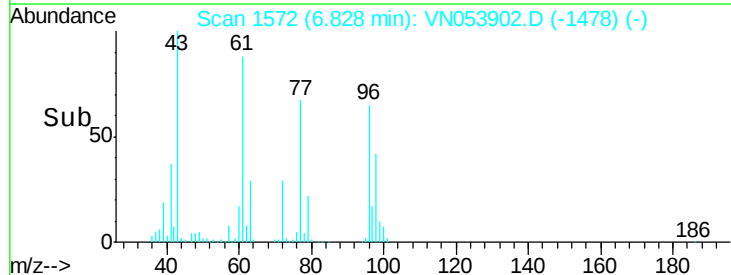
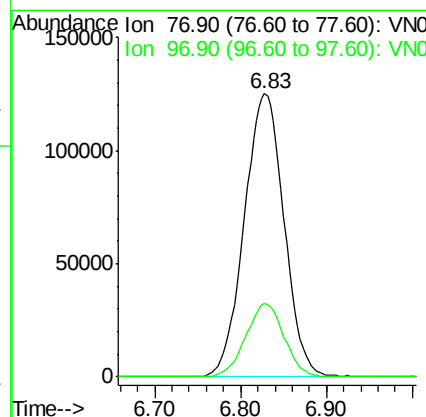
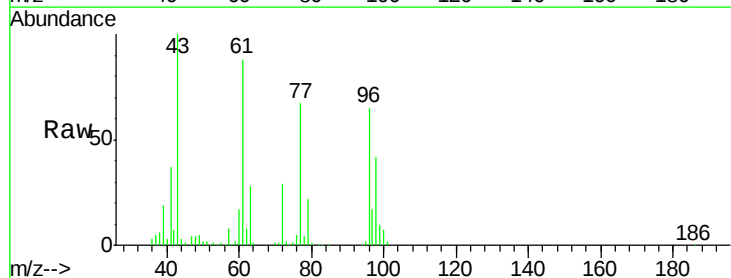
Acq: 21 Feb 2019 19:38

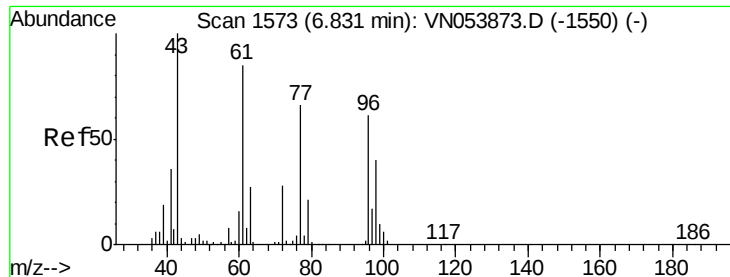
Tgt Ion: 77 Resp: 401663

Ion Ratio Lower Upper

77 100

97 25.0 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 50.953 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 354978

Ion Ratio Lower Upper

96 100

61 135.7 0.0 275.6

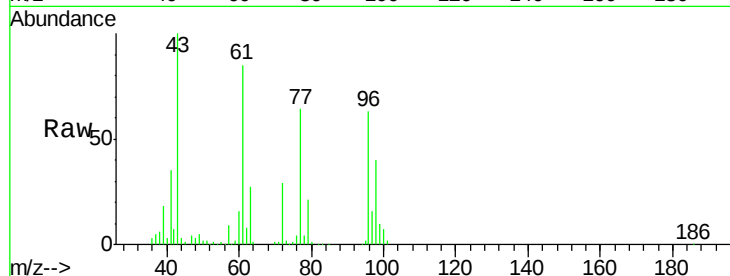
98 65.1 0.0 130.0

Manual Integrations

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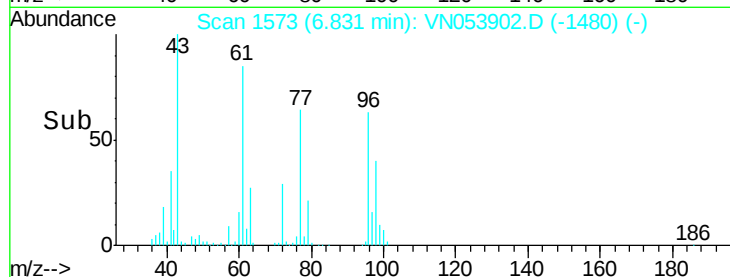


Abundance Ion 95.90 (95.60 to 96.60): VN053902.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN053902.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN053902.D (-1480) (-)

Time-->

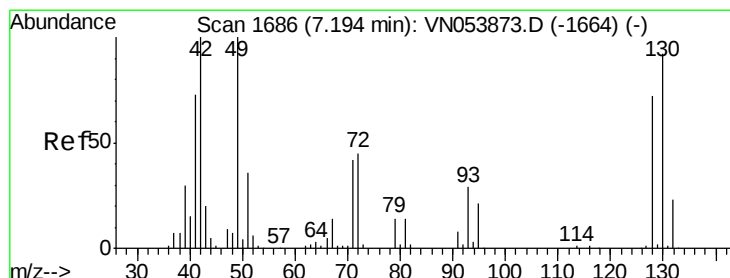


Abundance Ion 95.90 (95.60 to 96.60): VN053902.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN053902.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN053902.D (-1480) (-)

Time-->



#28

Bromochloromethane

Concen: 48.887 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

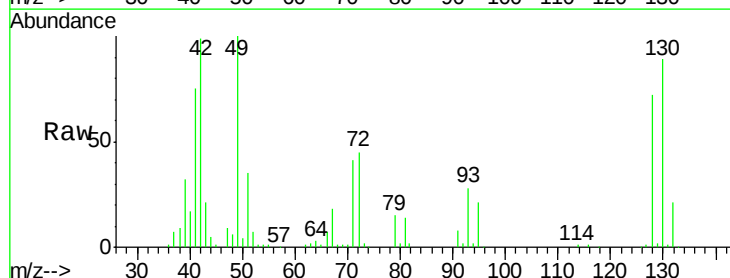
Tgt Ion: 49 Resp: 241492

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.6

130 90.5 72.9 109.3

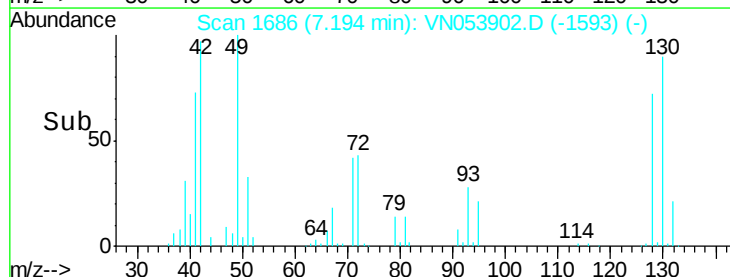


Abundance Ion 48.90 (48.60 to 49.60): VN053902.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053902.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053902.D (-1593) (-)

Time-->

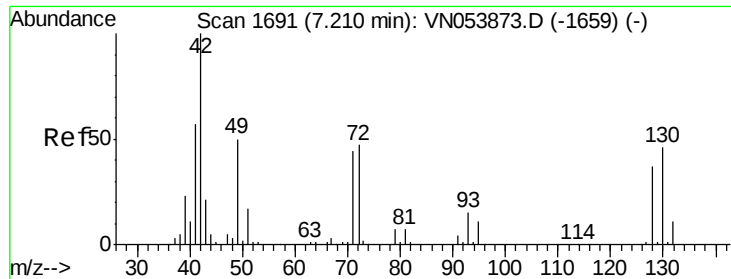


Abundance Ion 48.90 (48.60 to 49.60): VN053902.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053902.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053902.D (-1593) (-)

Time-->



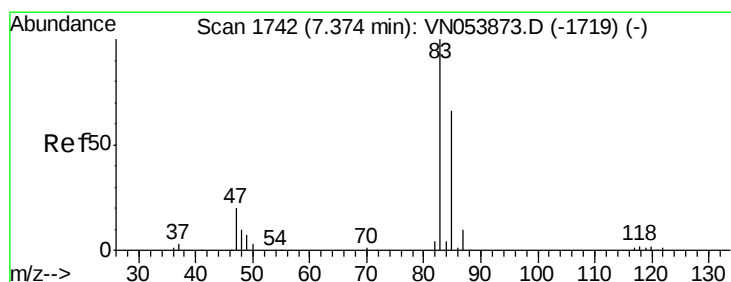
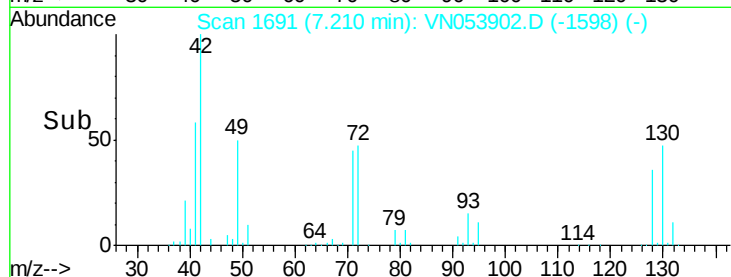
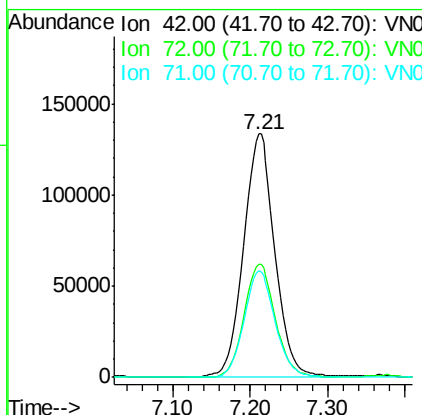
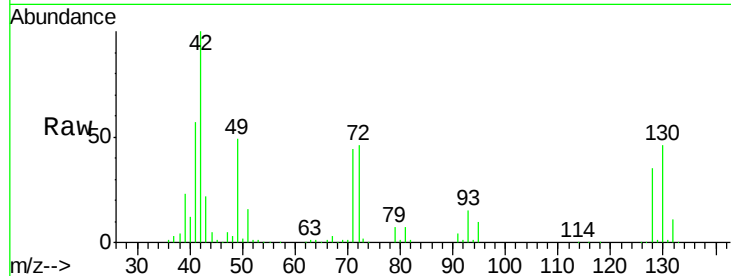
#29  
Tetrahydrofuran  
Concen: 249.390 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 46.8  | 36.9  | 55.3  |
| 71      | 43.7  | 34.6  | 52.0  |

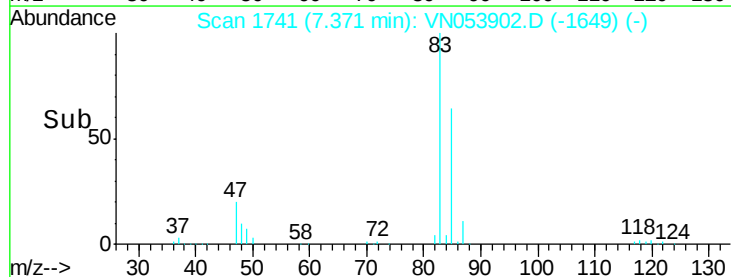
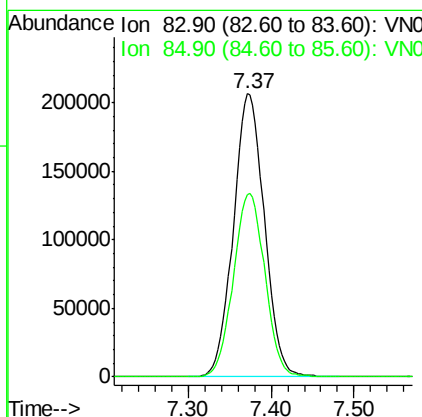
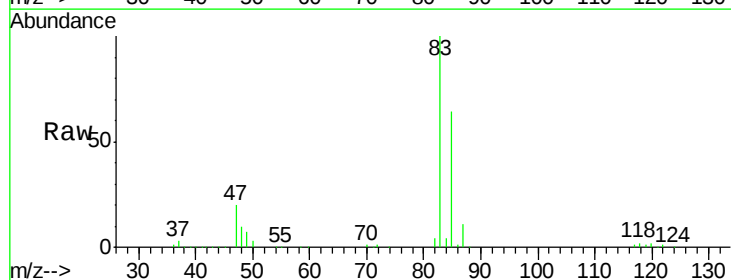
Manual Integrations  
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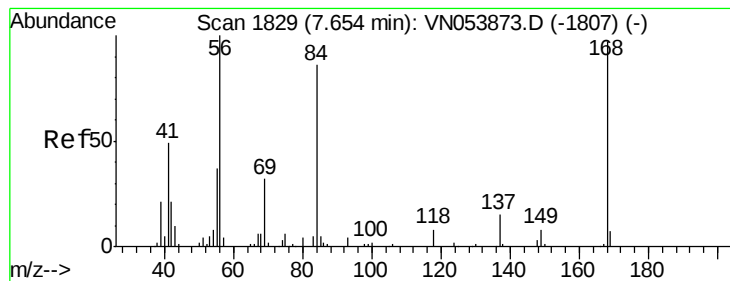
MMDadoda  
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#30  
Chloroform  
Concen: 47.327 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.4  | 52.6  | 78.8  |





#31

Cyclohexane

Concen: 47.654 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA\_N

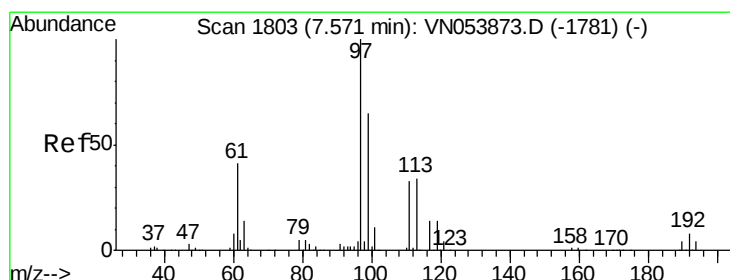
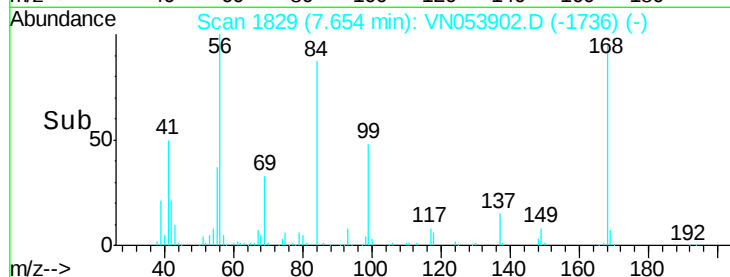
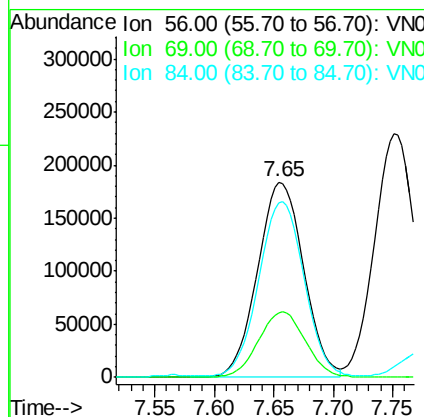
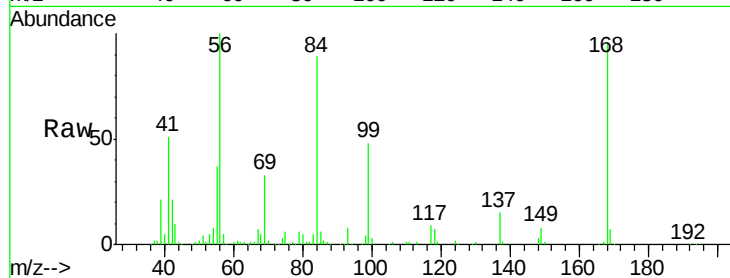
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 494142 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 33.3  | 26.0  | 39.0   |
| 84        | 88.0  | 69.1  | 103.7  |

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#32

1,1,1-Trichloroethane

Concen: 47.458 ug/l

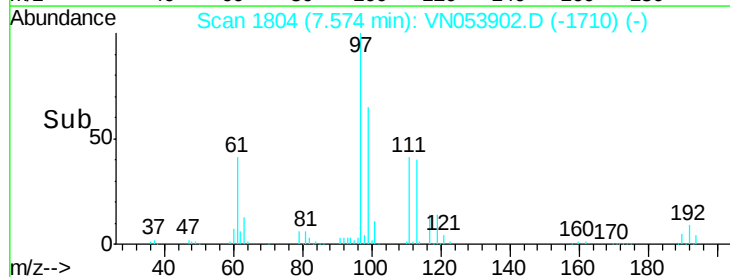
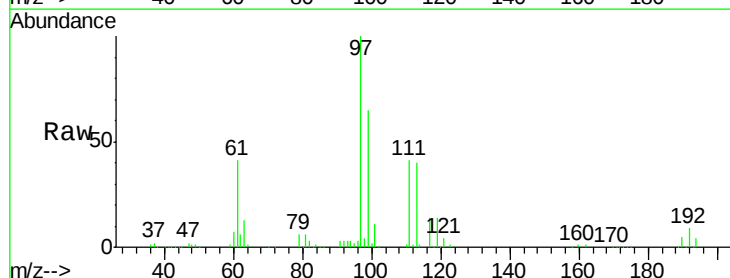
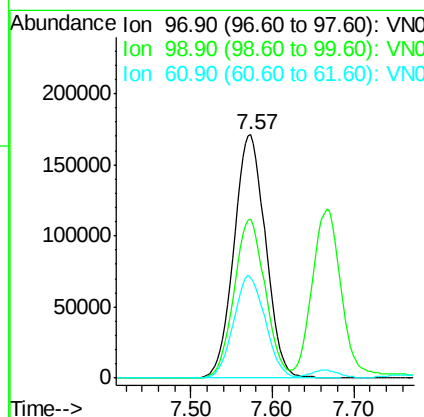
RT: 7.57 min Scan# 1804

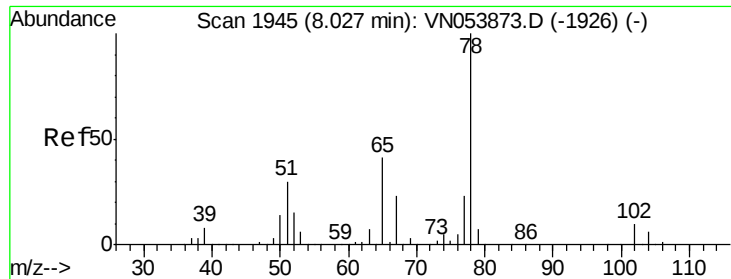
Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 461791 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.2  | 51.8  | 77.8   |
| 61        | 41.9  | 33.2  | 49.8   |





#33

1,2-Dichloroethane-d4

Concen: 48.361 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 315582

Ion Ratio Lower Upper

65 100

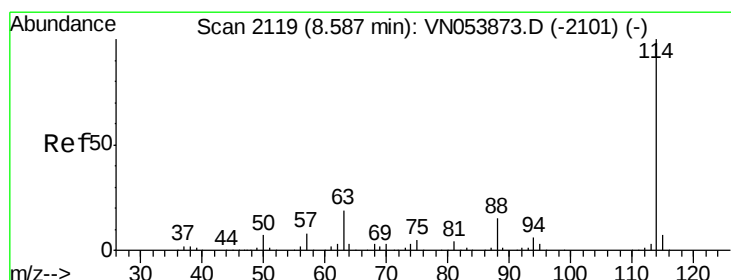
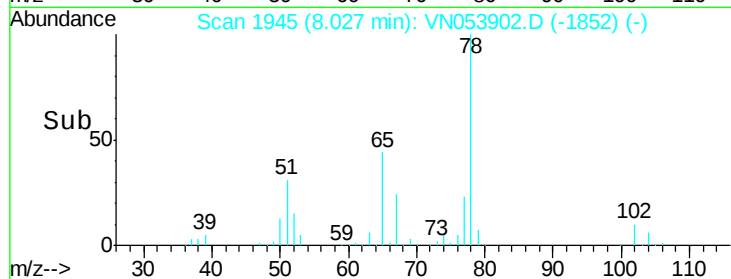
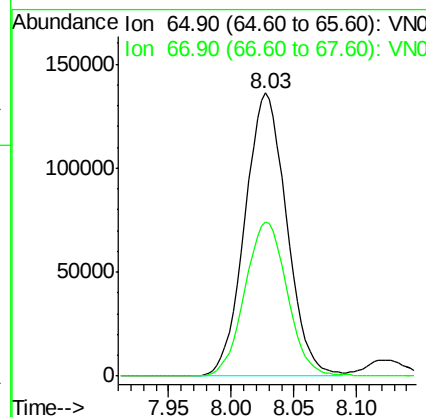
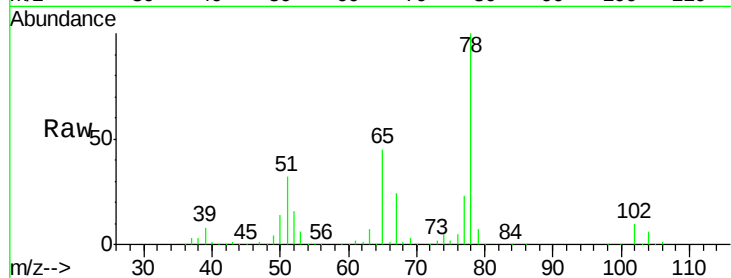
67 55.4 0.0 111.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

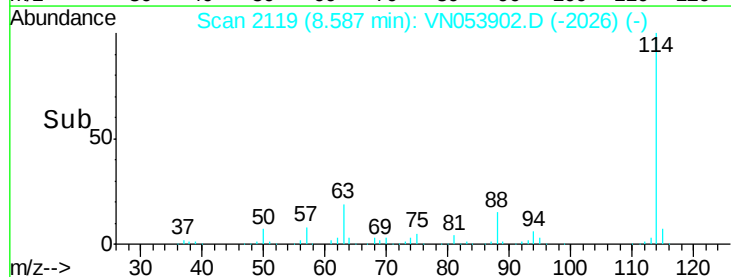
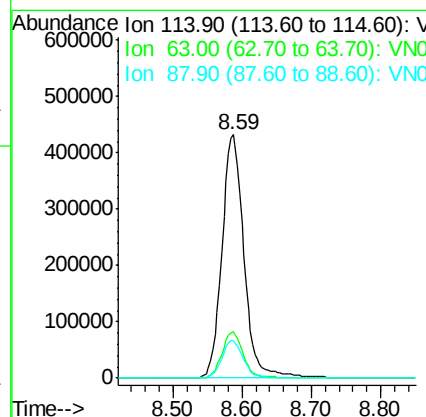
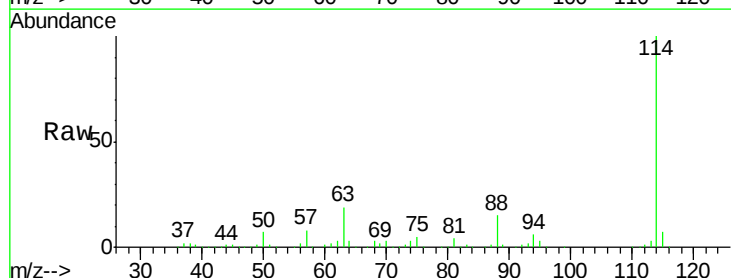
Tgt Ion: 114 Resp: 954869

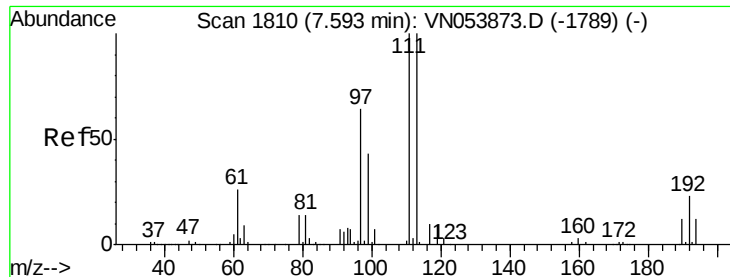
Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.4

88 15.4 0.0 30.4





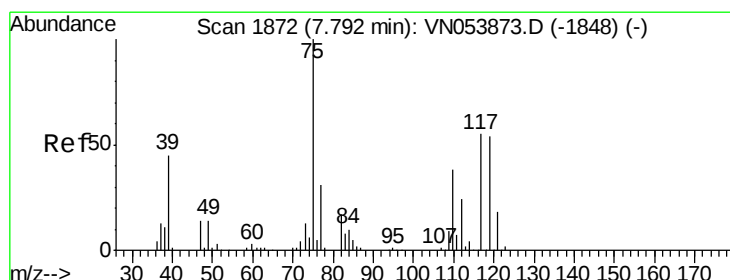
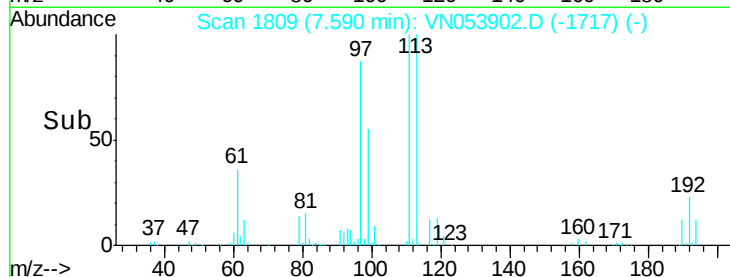
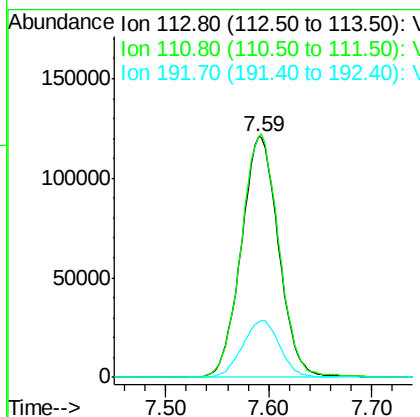
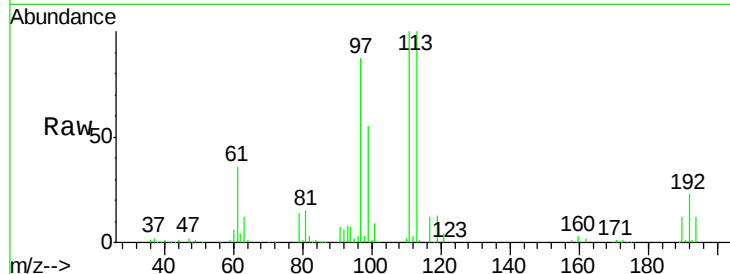
#35  
Dibromofluoromethane  
Concen: 48.536 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. -0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 102.2 | 81.1 | 121.7 |       |
| 192     | 23.6  | 18.8 | 28.2  |       |

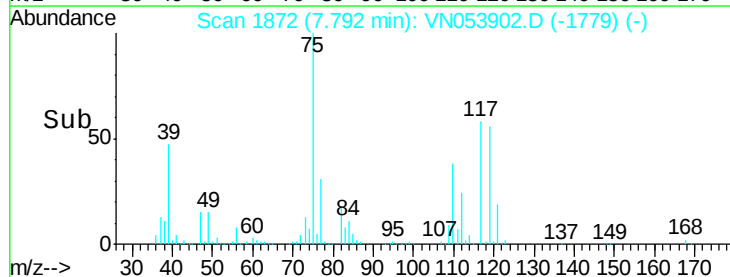
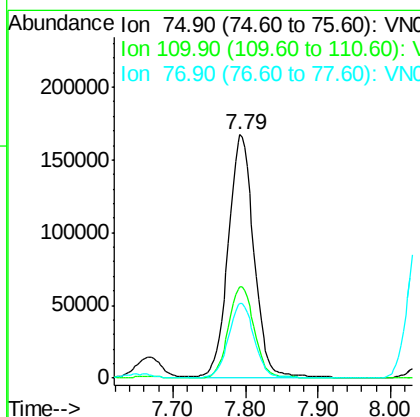
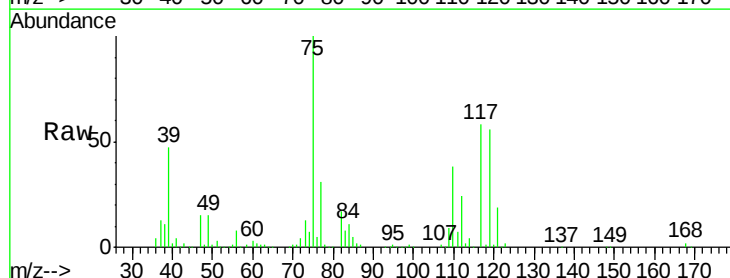
Manual Integrations  
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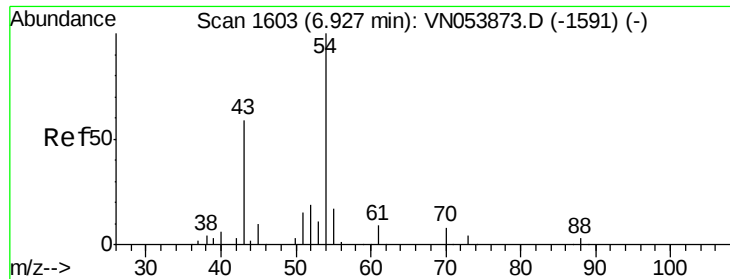
MMDadoda  
2/22/2019 10:31:01 AM



#36  
1,1-Dichloropropene  
Concen: 47.059 ug/l  
RT: 7.79 min Scan# 1872  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 37.7  | 19.0 | 57.0  |       |
| 77      | 31.5  | 25.4 | 38.0  |       |





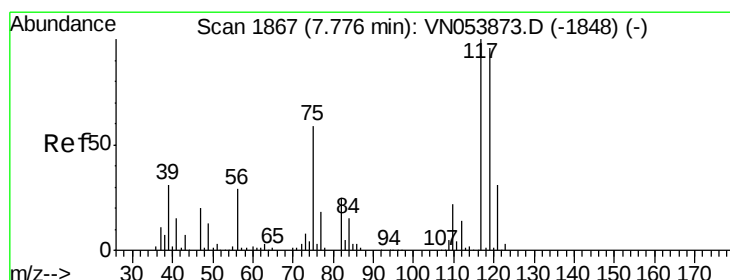
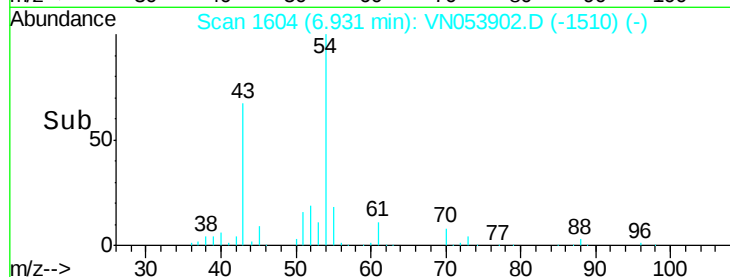
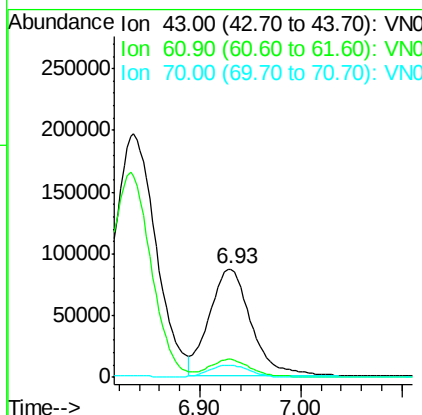
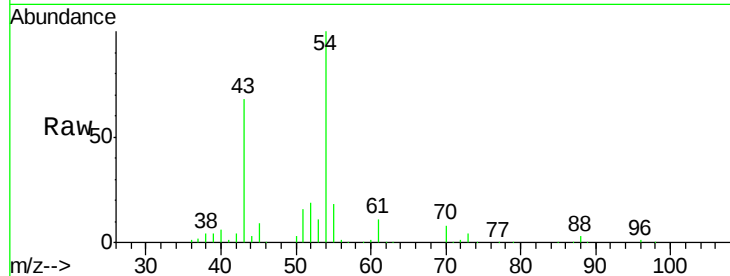
#37  
Ethyl Acetate  
Concen: 47.632 ug/l  
RT: 6.93 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 43     | 61   | 70   |
|---------|--------|------|------|
| Resp    | 250882 |      |      |
| Ratio   | 100    | 15.7 | 11.0 |
| Lower   |        | 12.0 | 8.7  |
| Upper   |        | 18.0 | 13.1 |

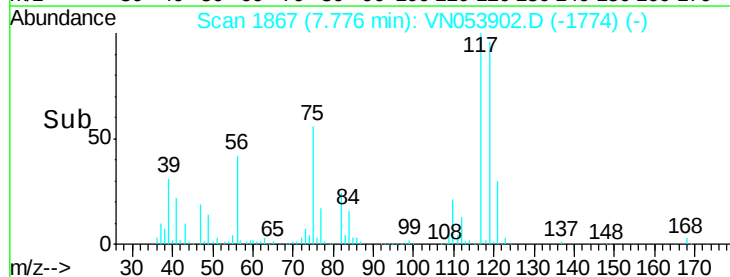
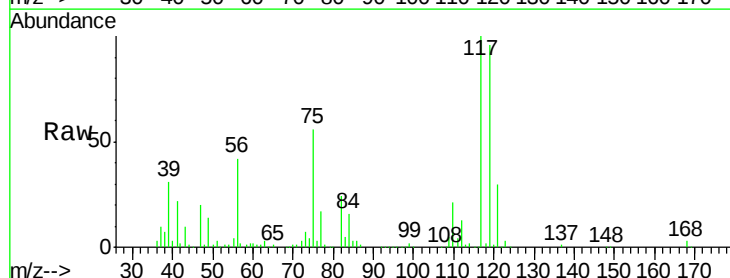
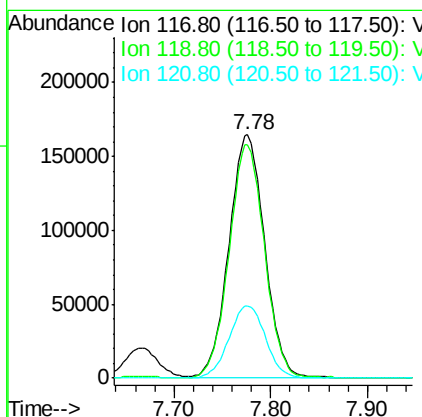
Manual Integrations  
APPROVED

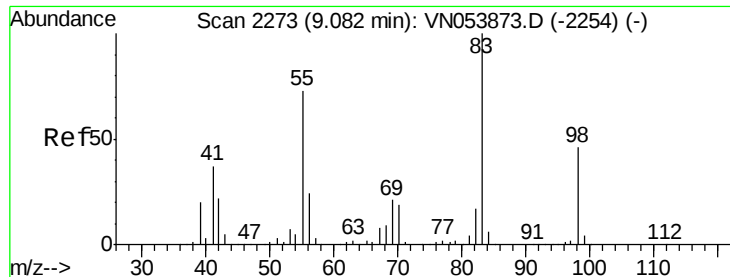
MMDadoda  
2/22/2019 10:31:01 AM



#38  
Carbon Tetrachloride  
Concen: 48.034 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

| Tgt Ion | 117    | 119   | 121  |
|---------|--------|-------|------|
| Resp    | 419716 |       |      |
| Ratio   | 100    | 96.0  | 29.9 |
| Lower   |        | 76.2  | 24.6 |
| Upper   |        | 114.2 | 36.8 |





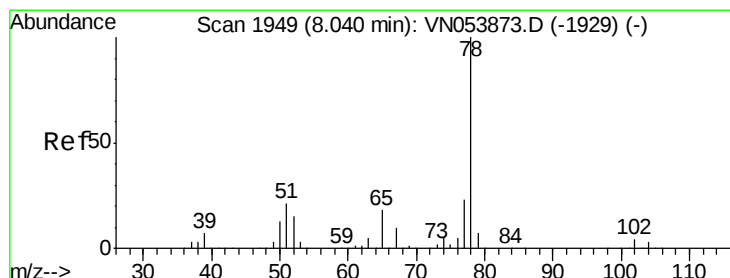
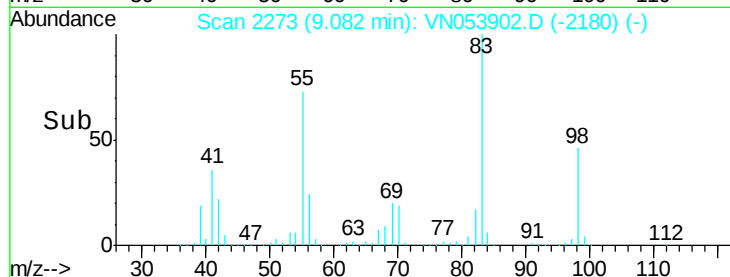
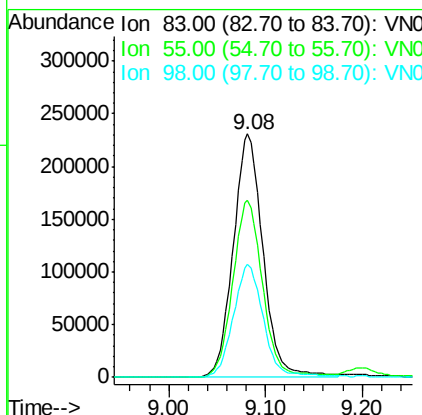
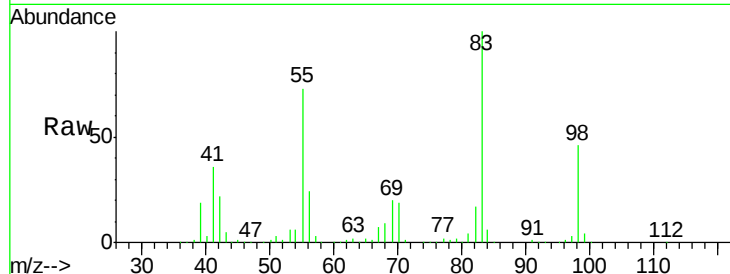
#39  
Methvlcvclohexane  
Concen: 49.045 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 72.9  | 58.2  | 87.4  |
| 98      | 46.3  | 37.2  | 55.8  |

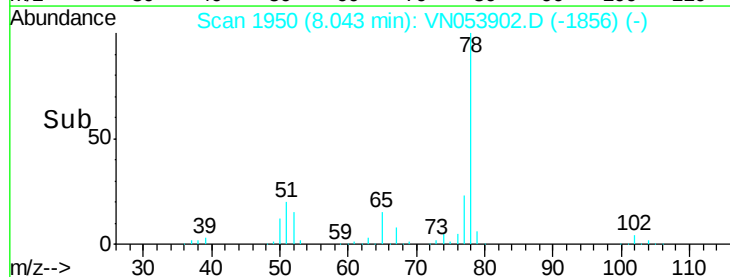
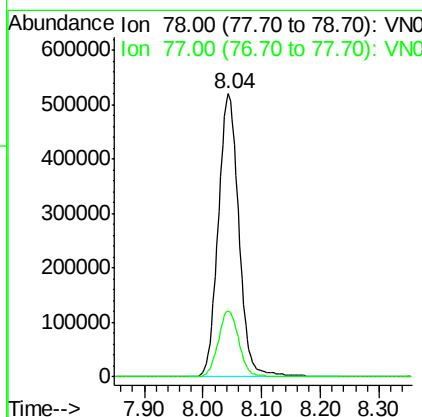
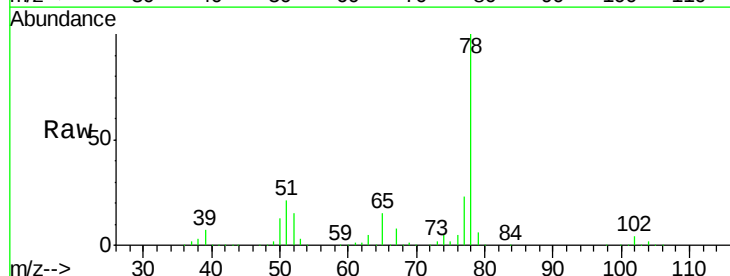
Manual Integrations  
APPROVED

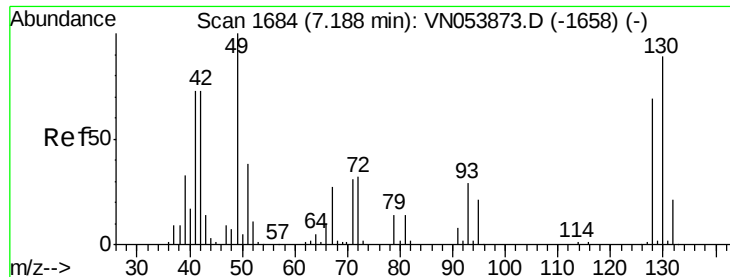
MMDadoda  
2/22/2019 10:31:01 AM



#40  
Benzene  
Concen: 48.648 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.4  | 18.8  | 28.2  |





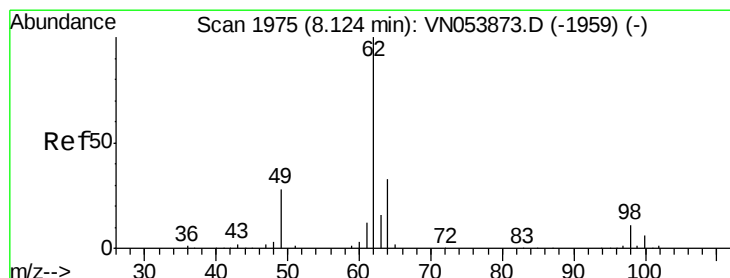
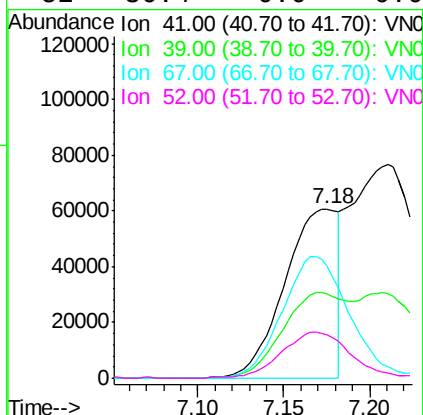
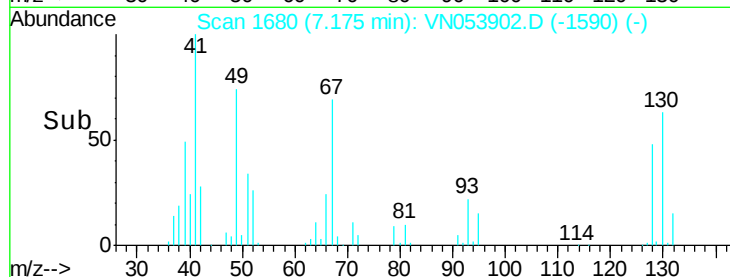
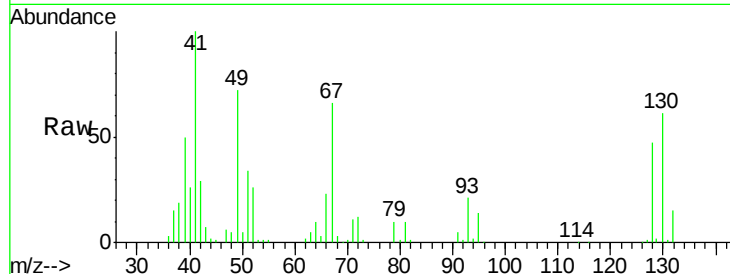
#41  
Methacrylonitrile  
Concen: 45.333 ug/l  
RT: 7.18 min Scan# 1680  
Delta R.T. -0.01 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 64.1  | 0.0   | 0.0#  |
| 67      | 92.6  | 0.0   | 0.0#  |
| 52      | 36.4  | 0.0   | 0.0#  |

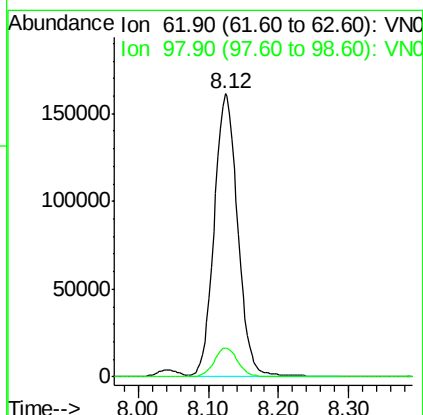
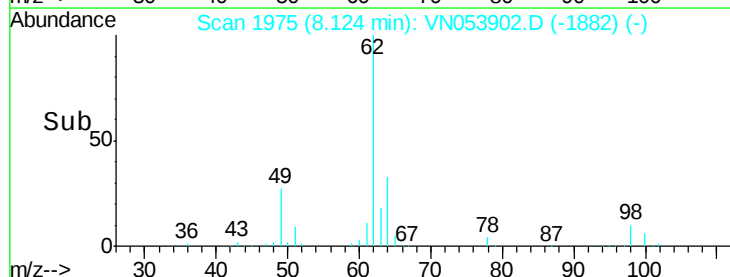
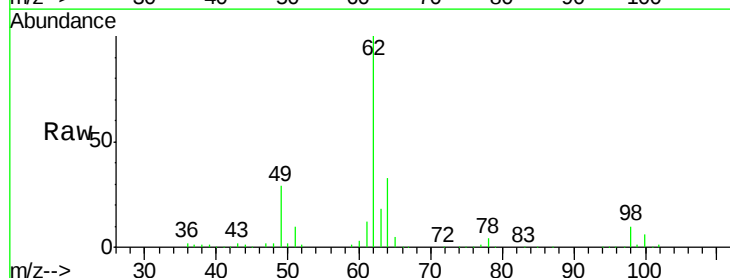
Manual Integrations  
APPROVED

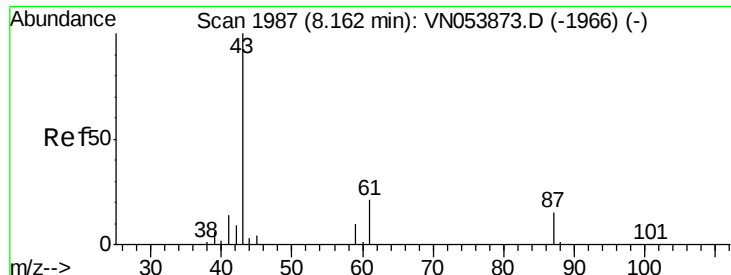
MMDadoda  
2/22/2019 10:31:01 AM



#42  
1,2-Dichloroethane  
Concen: 48.523 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.4  | 0.0   | 20.8  |





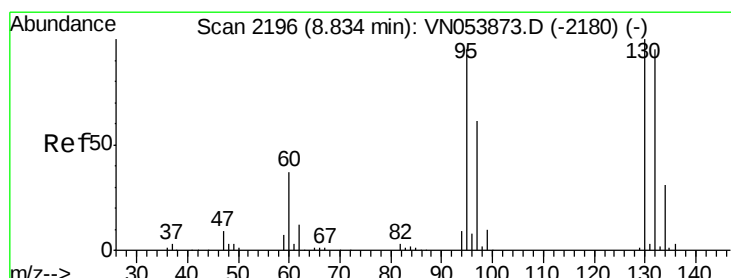
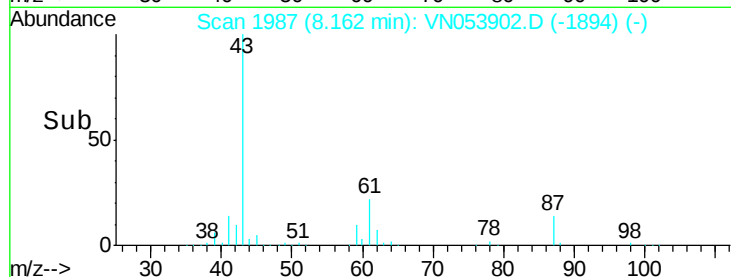
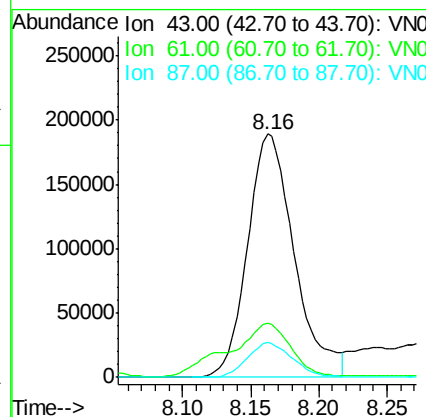
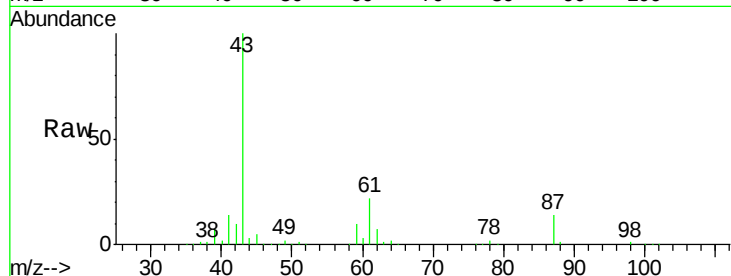
#43  
Isopropyl Acetate  
Concen: 47.879 ug/l  
RT: 8.16 min Scan# 1987  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 29.3  | 17.4  | 26.0# |
| 87      | 13.8  | 11.5  | 17.3  |

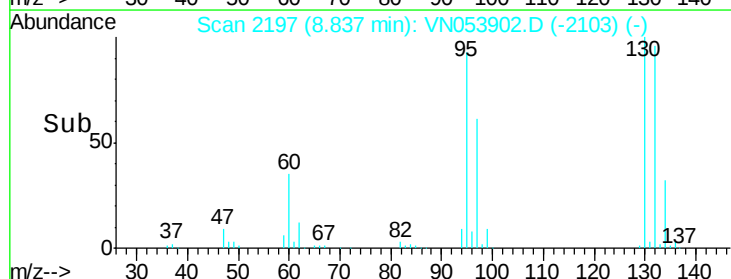
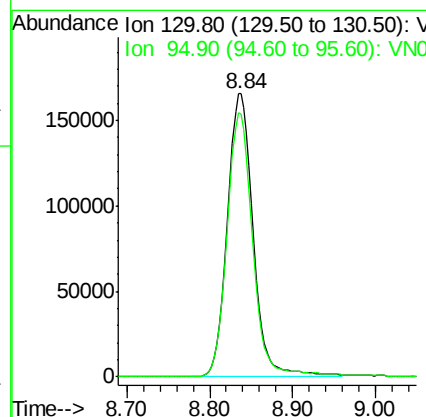
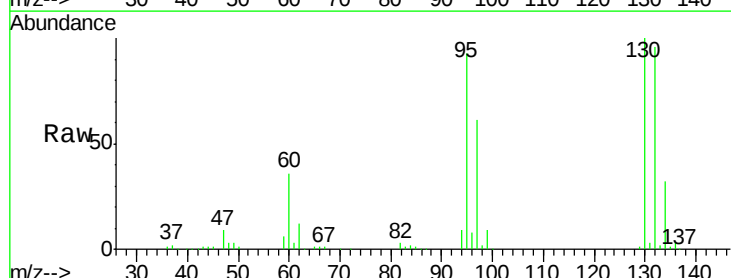
Manual Integrations  
APPROVED

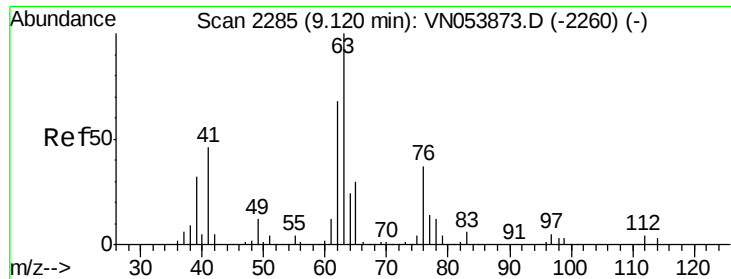
MMDadoda  
2/22/2019 10:31:01 AM



#44  
Trichloroethene  
Concen: 49.543 ug/l  
RT: 8.84 min Scan# 2197  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 92.9  | 0.0   | 190.0 |





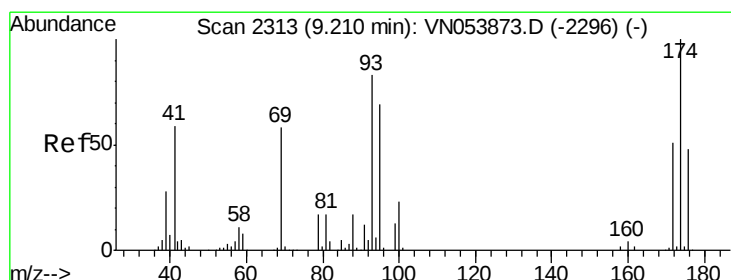
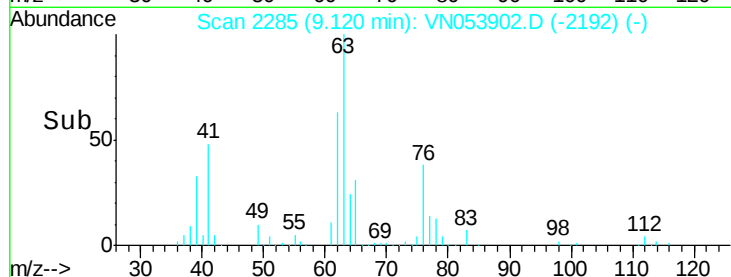
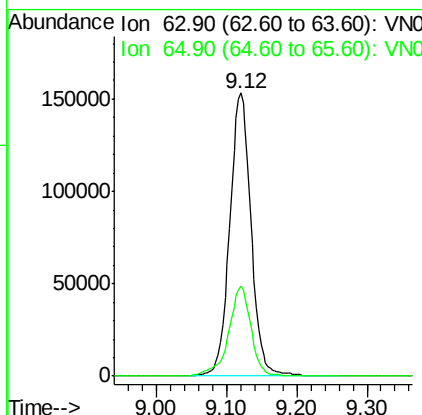
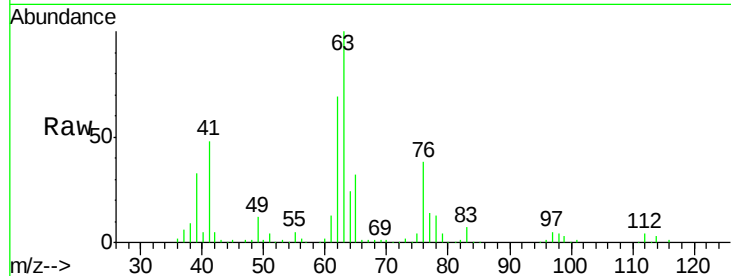
#45  
 1,2-Dichloropropane  
 Concen: 49.155 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.7  | 24.3  | 36.5  |

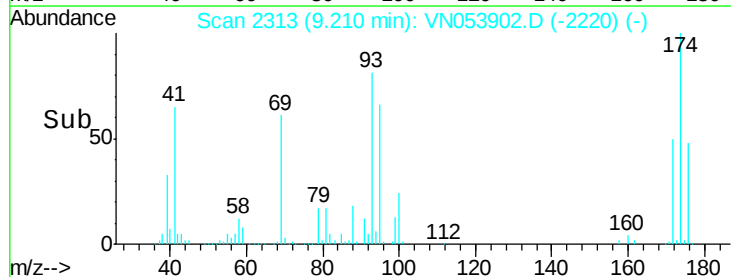
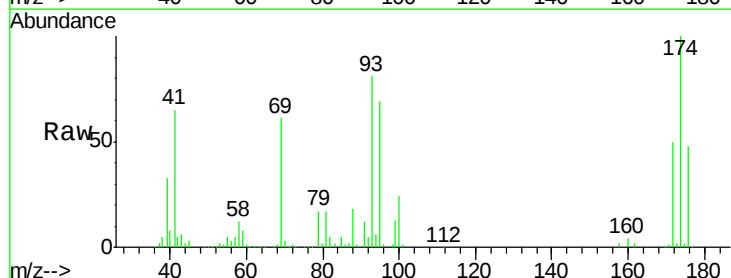
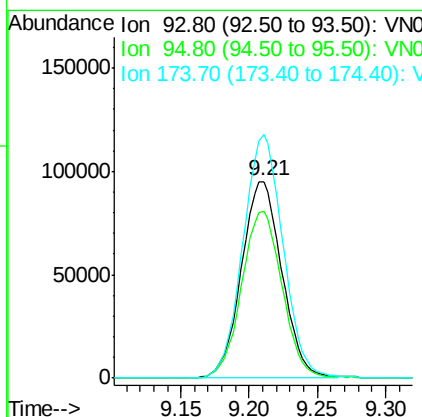
Manual Integrations  
 APPROVED

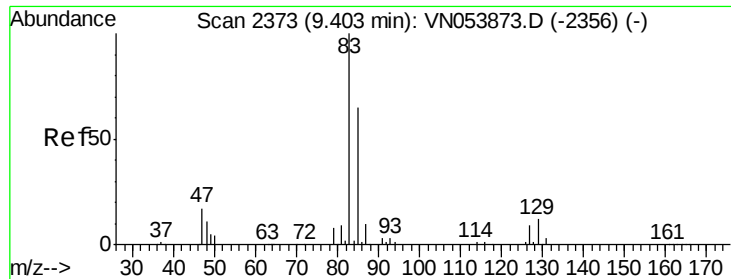
MMDadoda  
 2/22/2019 10:31:01 AM



#46  
 Dibromomethane  
 Concen: 49.362 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 85.0  | 66.6  | 100.0 |
| 174     | 122.8 | 96.2  | 144.4 |





#47

Bromodichloromethane

Concen: 49.506 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA\_N

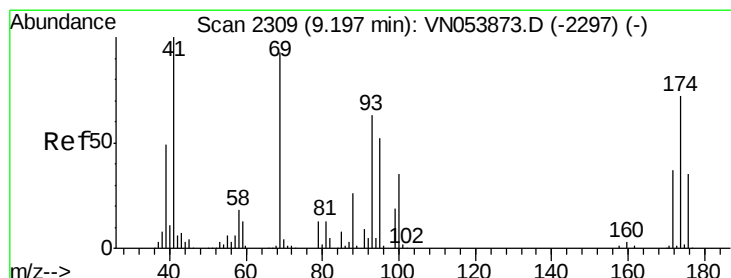
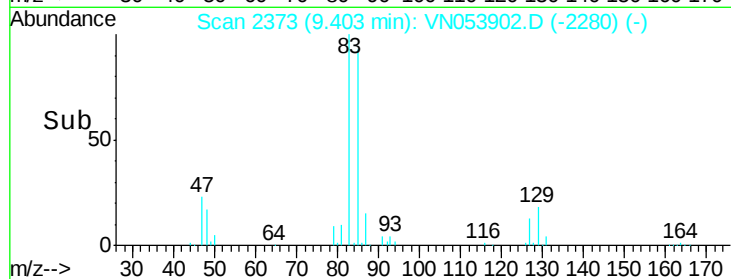
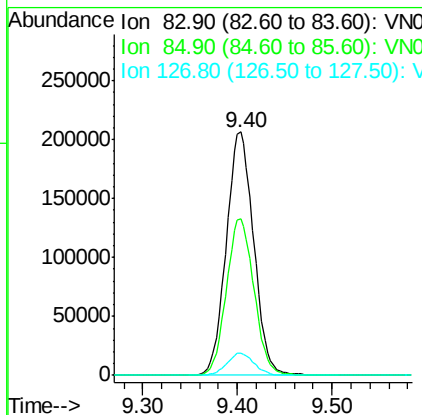
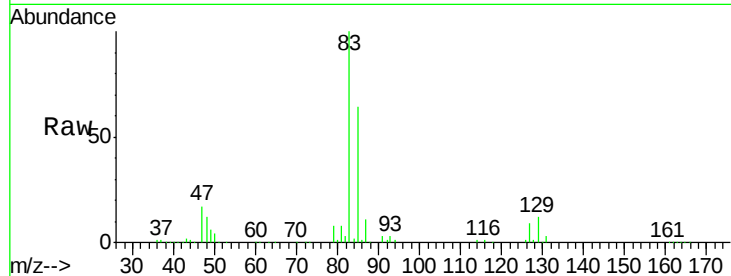
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 415406 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.3  | 51.8  | 77.6   |
| 127       | 9.1   | 7.4   | 11.0   |

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2/22/2019 10:31:01 AM



#48

Methyl methacrylate

Concen: 51.830 ug/l

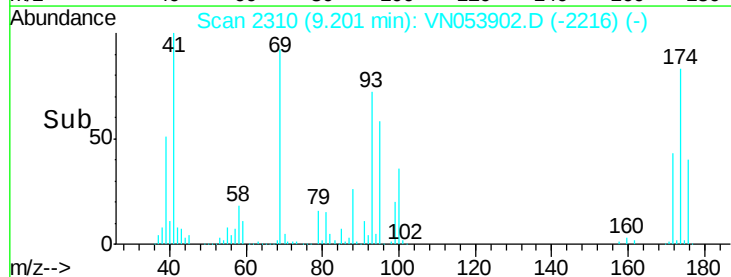
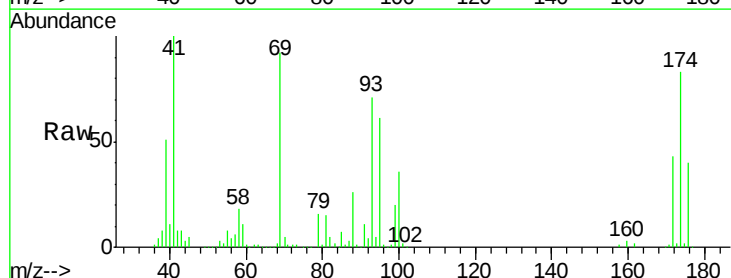
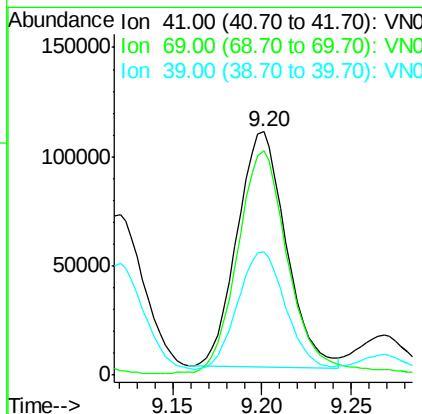
RT: 9.20 min Scan# 2310

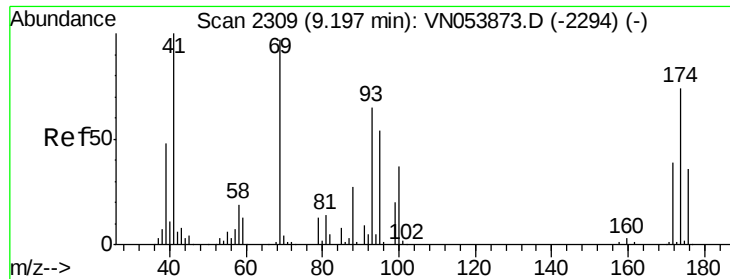
Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 207463 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 100.8 | 74.8  | 112.2  |
| 39        | 49.7  | 39.0  | 58.6   |





#49

1,4-Dioxane

Concen: 943.235 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA\_N

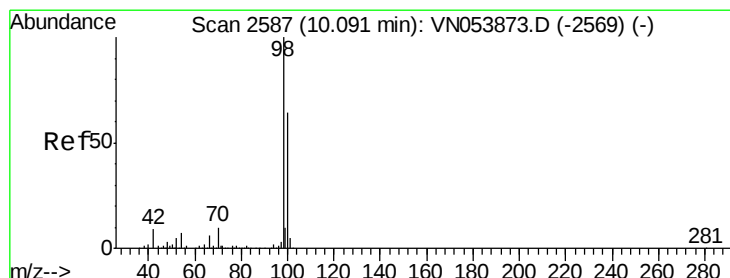
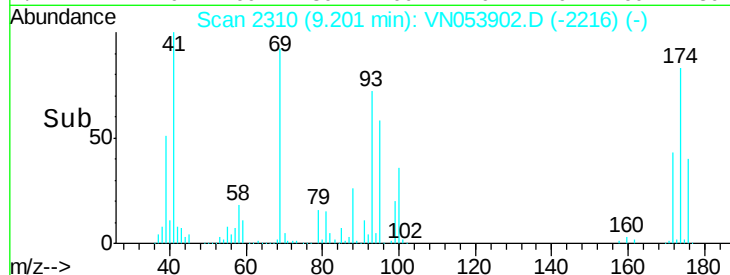
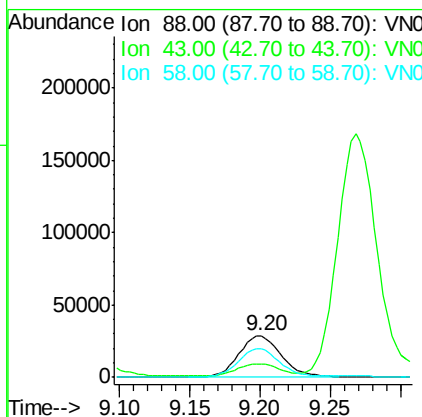
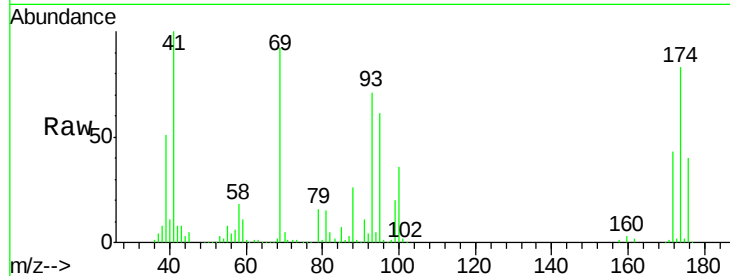
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 61061 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 28.0  | 21.2  | 31.8  |
| 58       | 69.0  | 54.2  | 81.2  |

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2/22/2019 10:31:01 AM



#50

Toluene-d8

Concen: 50.318 ug/l

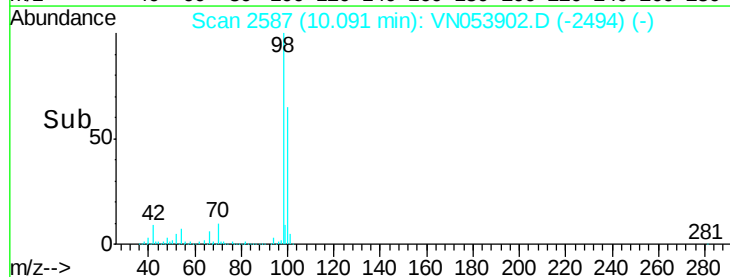
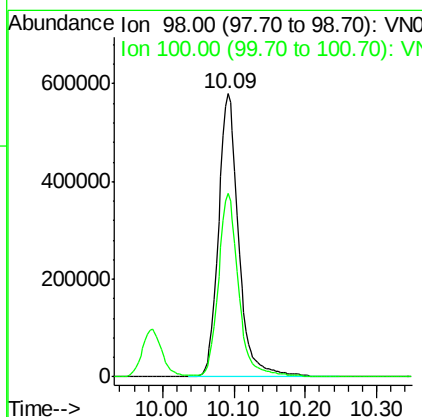
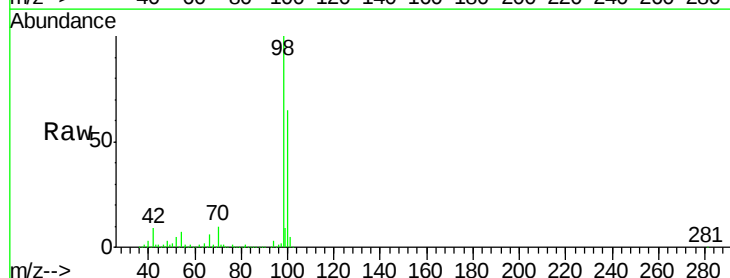
RT: 10.09 min Scan# 2587

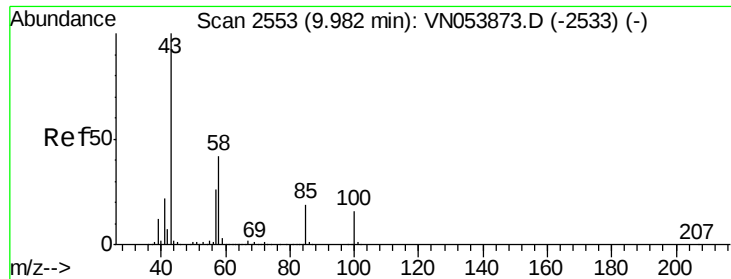
Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 98    | Resp: | 1138880 |
| Ion      | Ratio | Lower | Upper   |
| 98       | 100   |       |         |
| 100      | 64.9  | 51.9  | 77.9    |





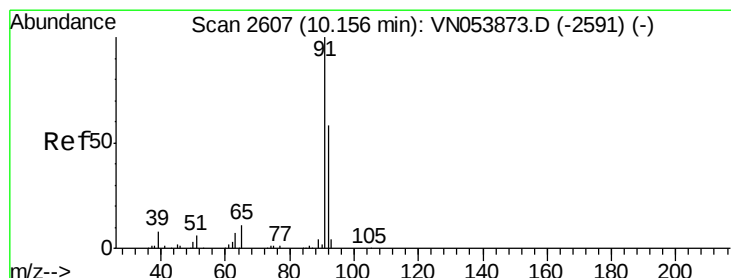
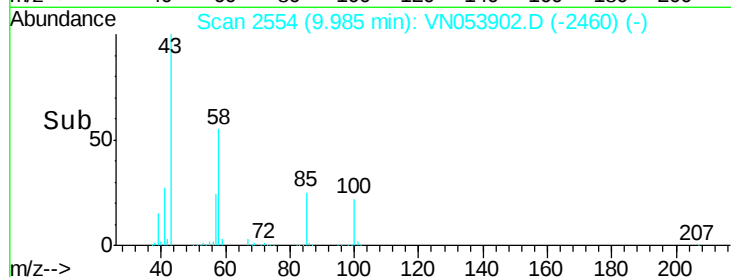
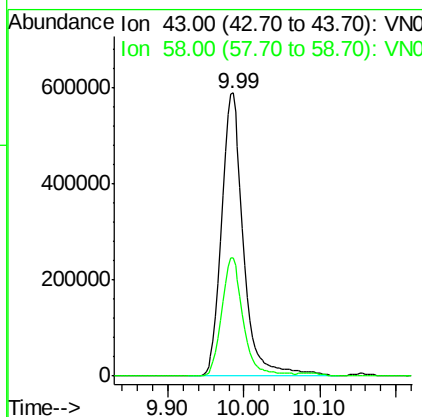
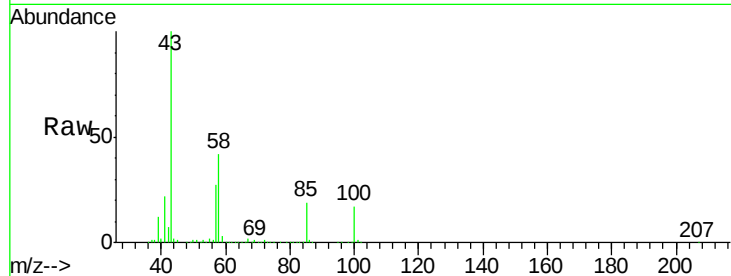
#51  
4-Methyl-2-Pentanone  
Concen: 246.168 ug/l  
RT: 9.99 min Scan# 2554  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 1180294  
Ion Ratio Lower Upper  
43 100  
58 41.3 32.7 49.1

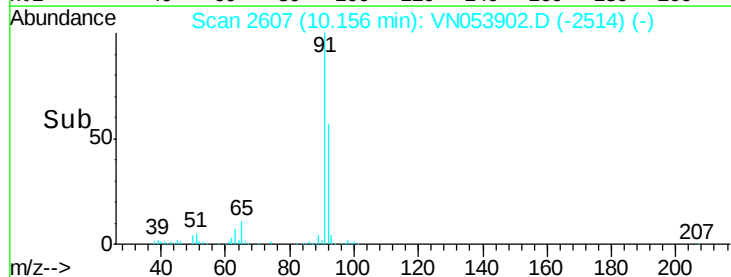
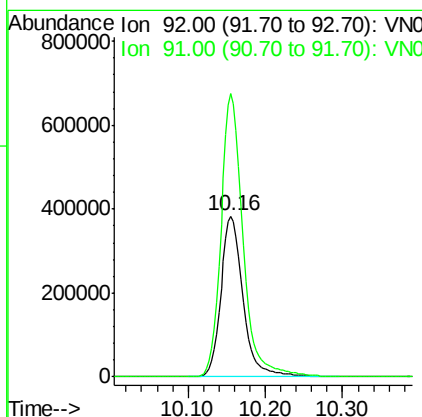
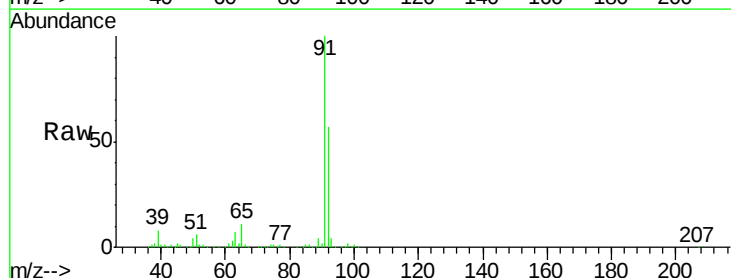
Manual Integrations  
APPROVED

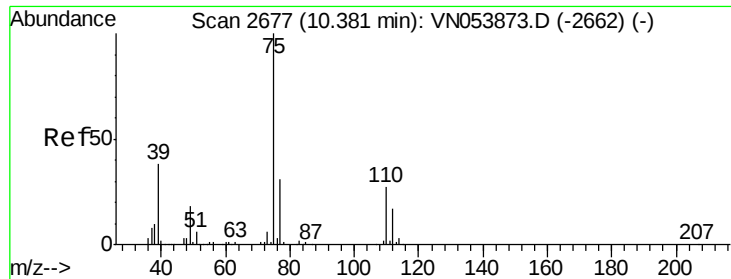
MMDadoda  
2/22/2019 10:31:01 AM



#52  
Toluene  
Concen: 49.967 ug/l  
RT: 10.16 min Scan# 2607  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Tgt Ion: 92 Resp: 766170  
Ion Ratio Lower Upper  
92 100  
91 175.1 138.4 207.6





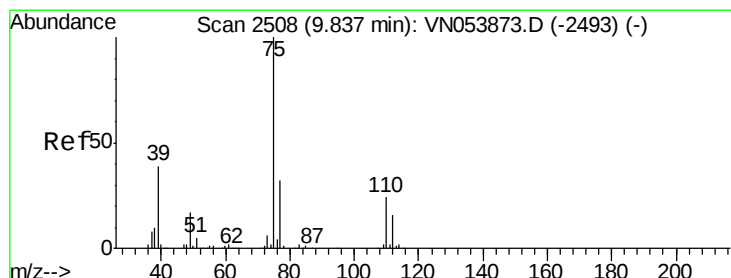
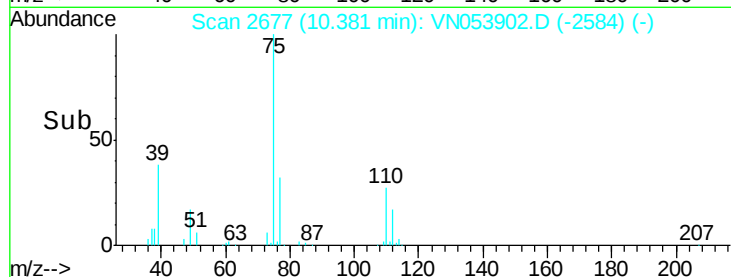
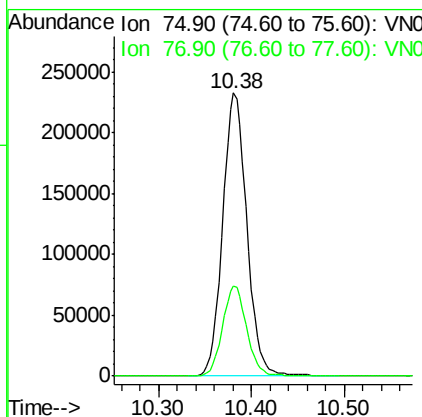
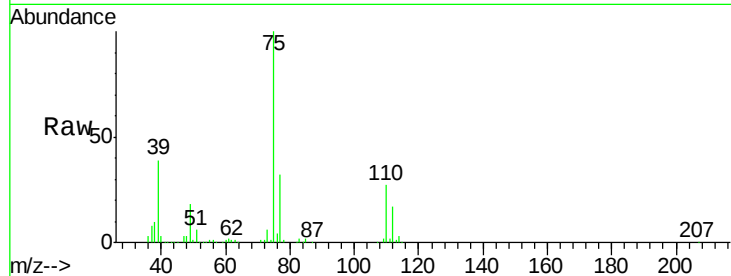
#53  
t-1,3-Dichloropropene  
Concen: 51.631 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 75 Resp: 420691  
Ion Ratio Lower Upper  
75 100  
77 31.6 25.0 37.6

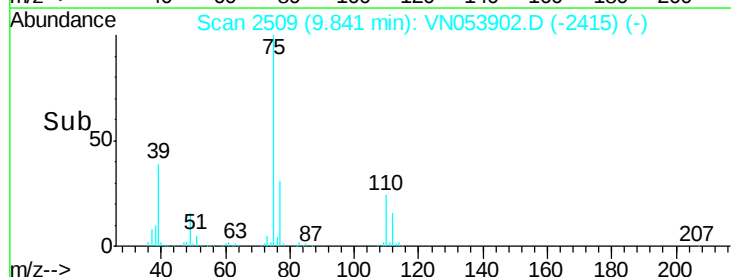
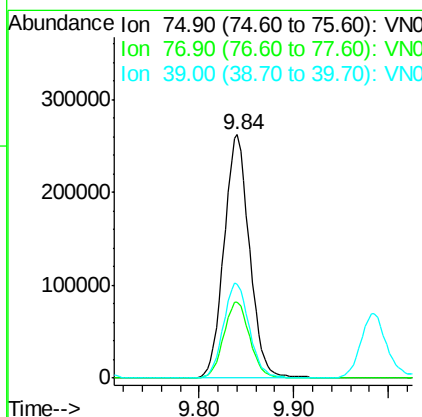
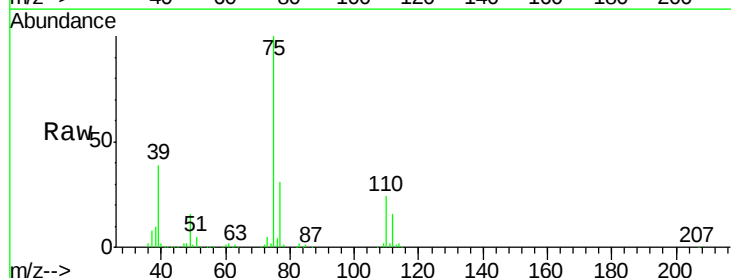
Manual Integrations  
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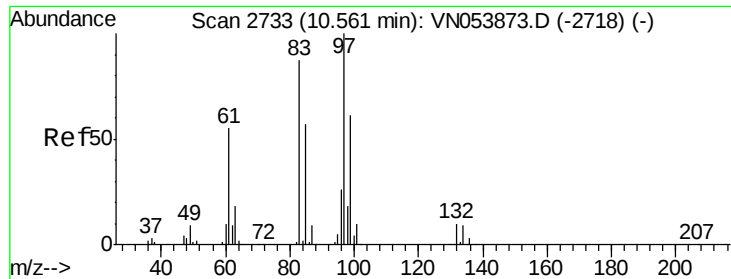
MMDadoda  
2/22/2019 10:31:01 AM



#54  
cis-1,3-Dichloropropene  
Concen: 51.242 ug/l  
RT: 9.84 min Scan# 2509  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Tgt Ion: 75 Resp: 492111  
Ion Ratio Lower Upper  
75 100  
77 31.5 25.8 38.6  
39 38.8 31.4 47.0





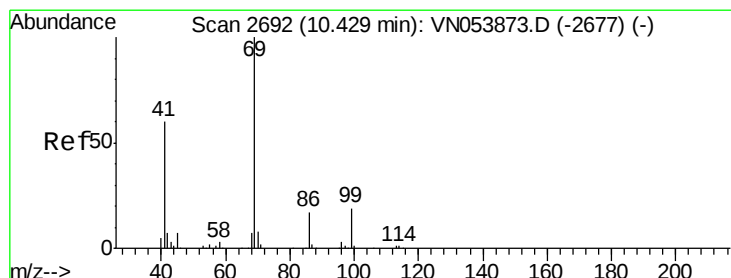
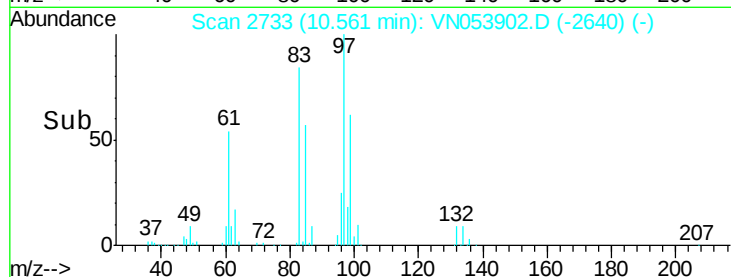
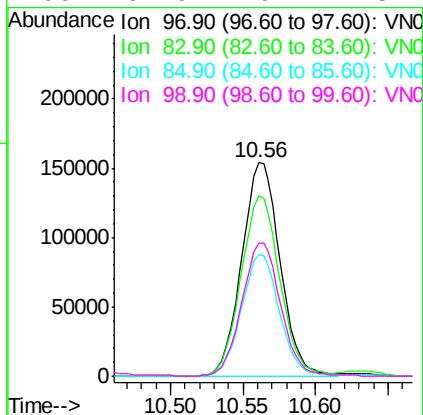
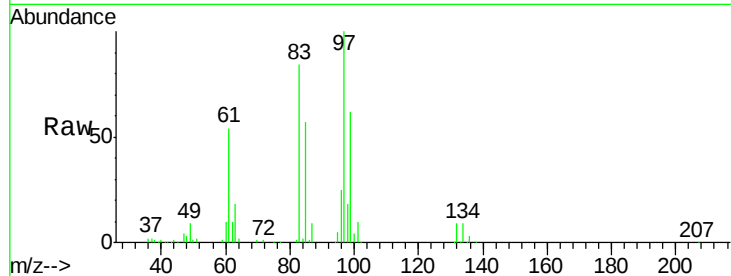
#55  
 1,1,2-Trichloroethane  
 Concen: 50.729 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. 0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 284355 |       |       |
| 83      | 84.4 | 69.5  | 104.3  |       |       |
| 85      | 56.8 | 45.9  | 68.9   |       |       |
| 99      | 61.9 | 49.1  | 73.7   |       |       |

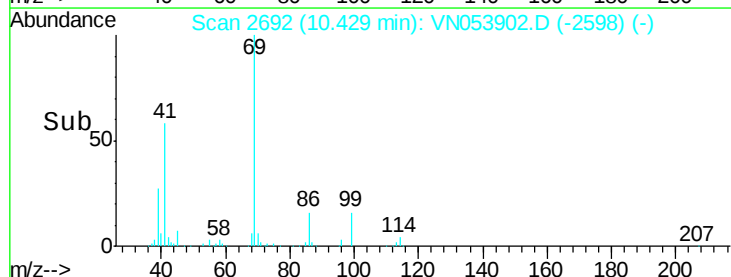
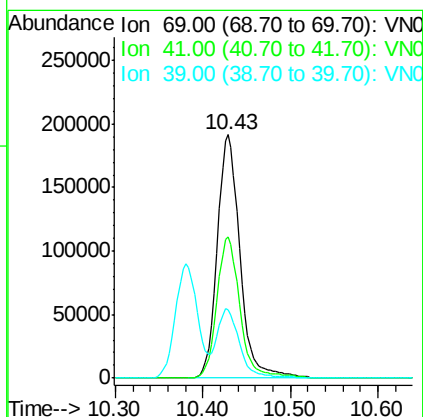
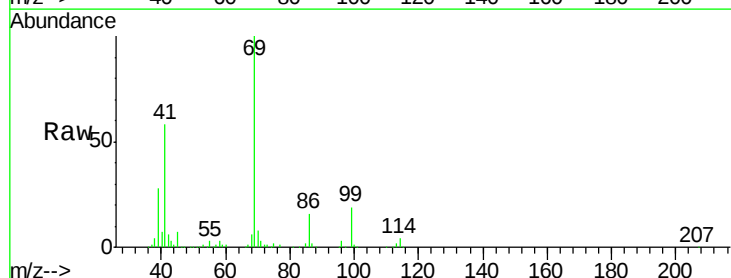
Manual Integrations  
 APPROVED

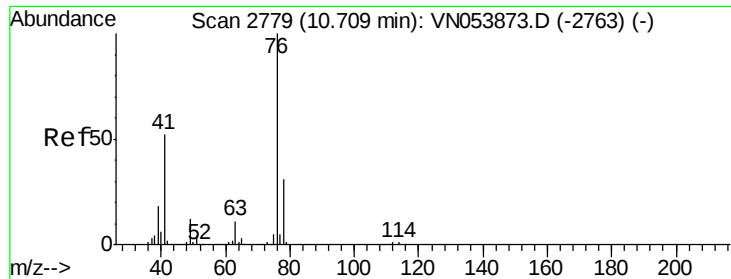
MMDadoda  
 2/22/2019 10:31:01 AM



#56  
 Ethyl methacrylate  
 Concen: 48.102 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 346071 |       |       |
| 41      | 58.2 | 47.5  | 71.3   |       |       |
| 39      | 28.6 | 23.4  | 35.0   |       |       |





#57

1,3-Dichloropropane

Concen: 49.560 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 467750

Ion Ratio Lower Upper

76 100

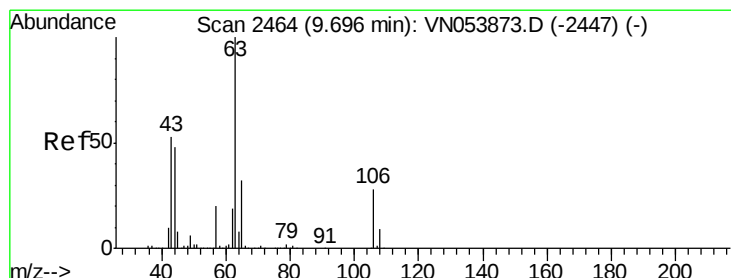
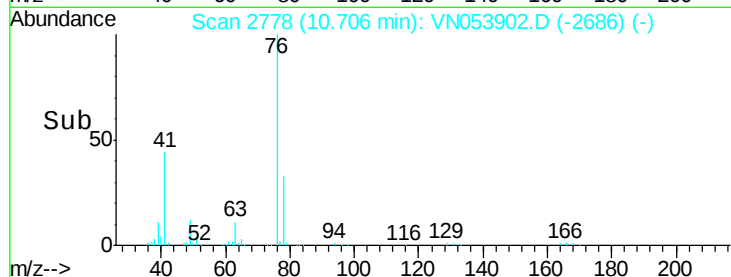
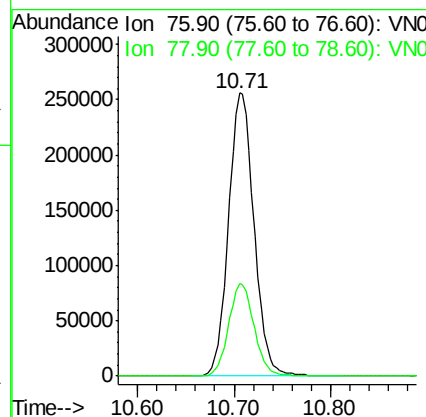
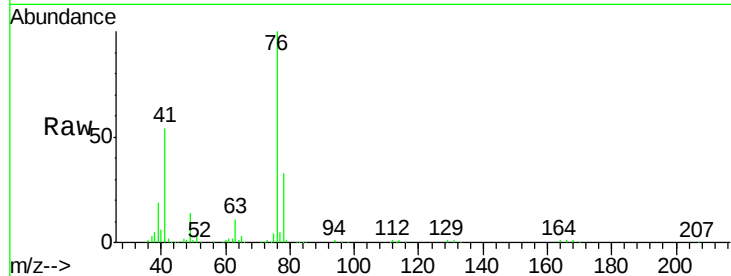
78 32.8 25.2 37.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 227.042 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053902.D

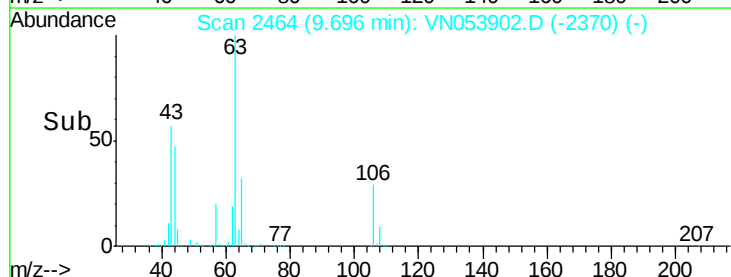
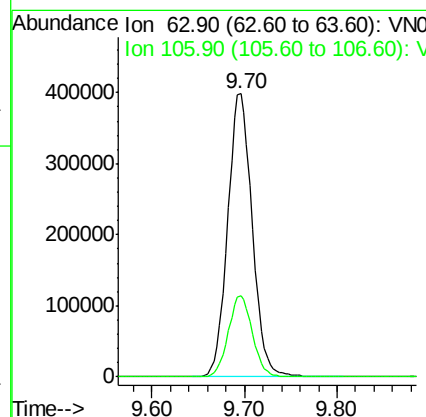
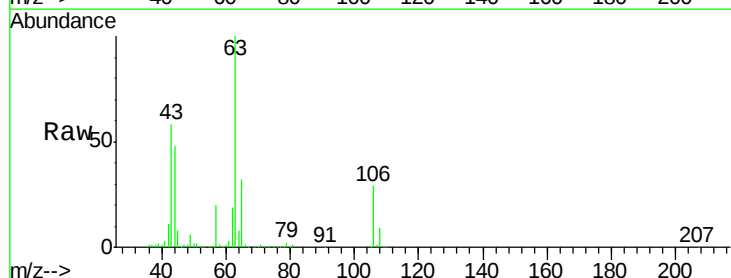
Acq: 21 Feb 2019 19:38

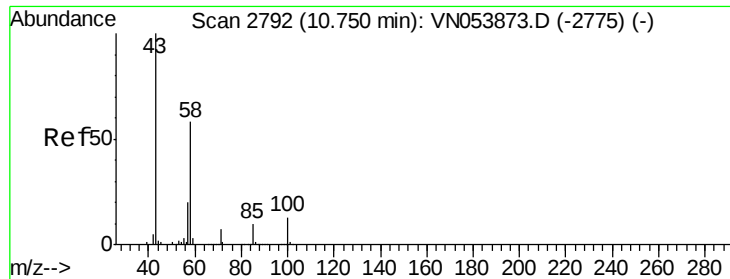
Tgt Ion: 63 Resp: 731094

Ion Ratio Lower Upper

63 100

106 28.2 22.2 33.2





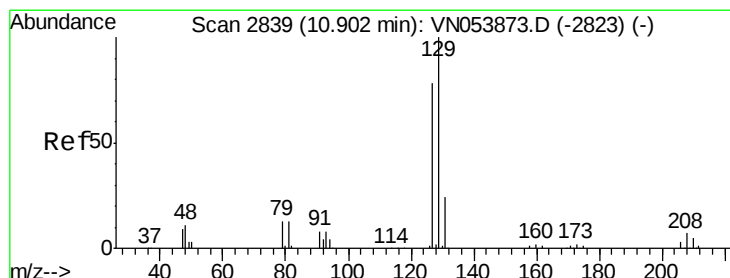
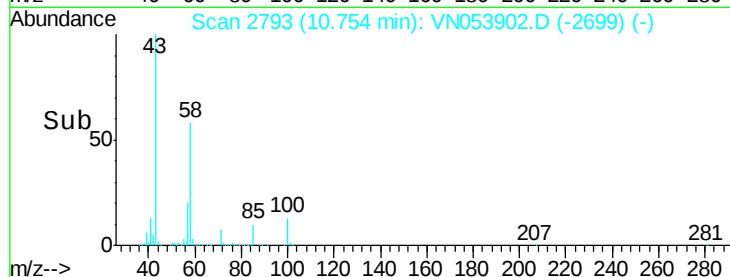
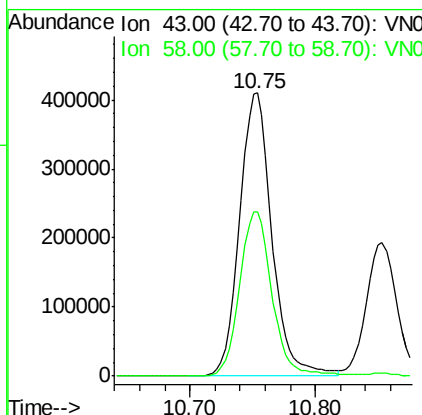
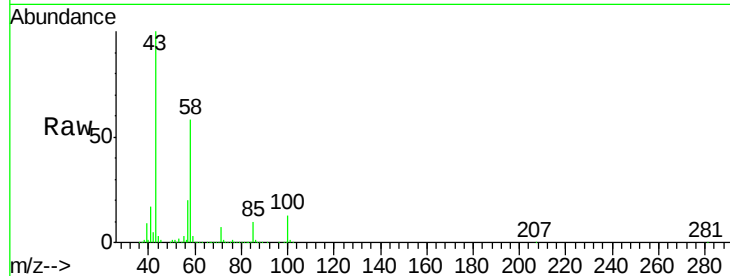
#59  
2-Hexanone  
Concen: 250.154 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 732709  
Ion Ratio Lower Upper  
43 100  
58 58.4 29.1 87.4

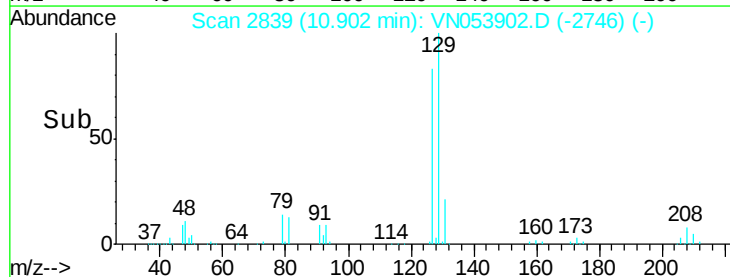
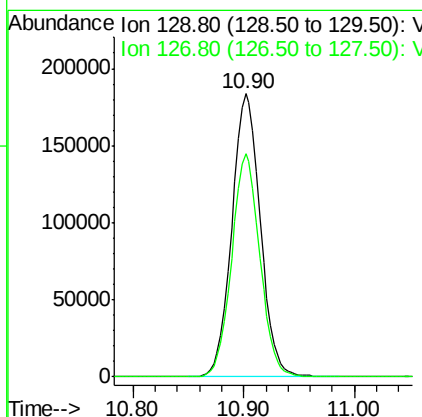
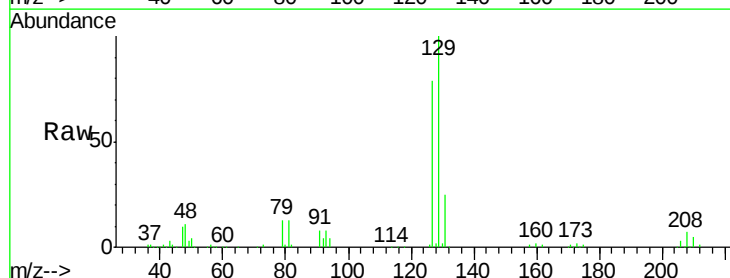
Manual Integrations  
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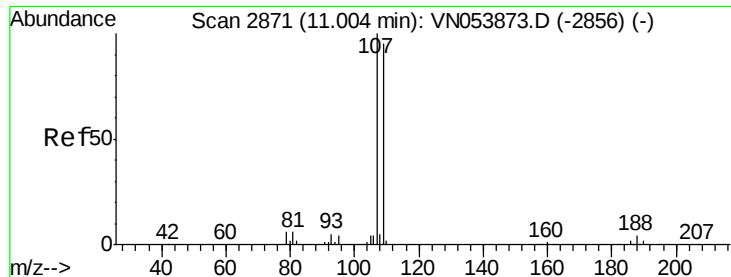
MMDadoda  
2/22/2019 10:31:01 AM



#60  
Dibromochloromethane  
Concen: 50.223 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Tgt Ion: 129 Resp: 328602  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.8 116.3





#61

1,2-Dibromoethane

Concen: 49.776 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 277191

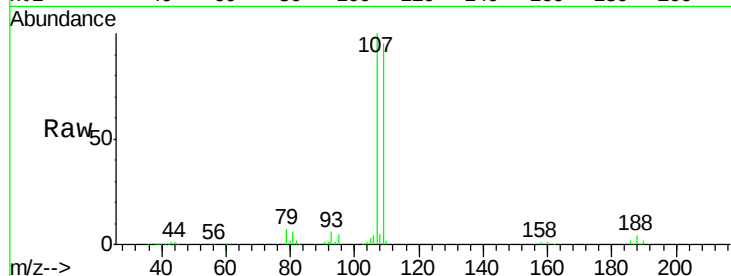
Ion Ratio Lower Upper

107 100

109 94.5 76.3 114.5

Manual Integrations  
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2/22/2019 10:31:01 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

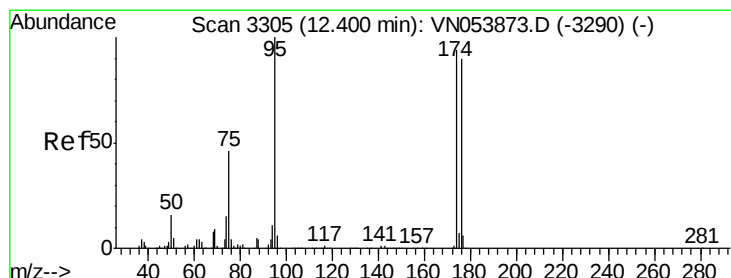
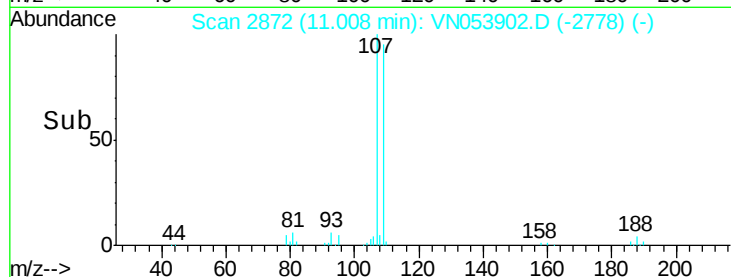
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 49.953 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

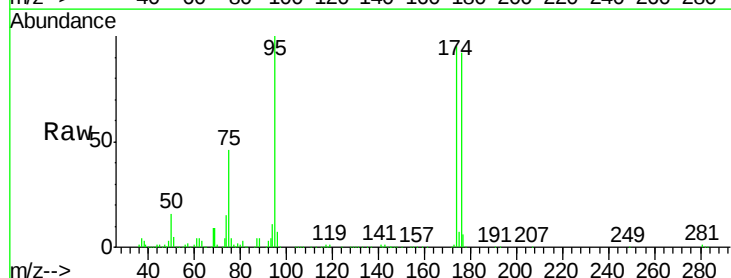
Tgt Ion: 95 Resp: 373259

Ion Ratio Lower Upper

95 100

174 95.4 0.0 188.8

176 93.2 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

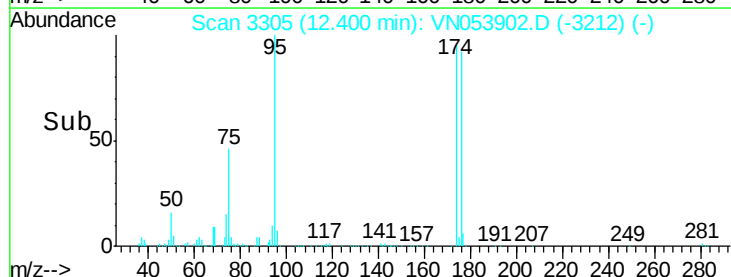
150000

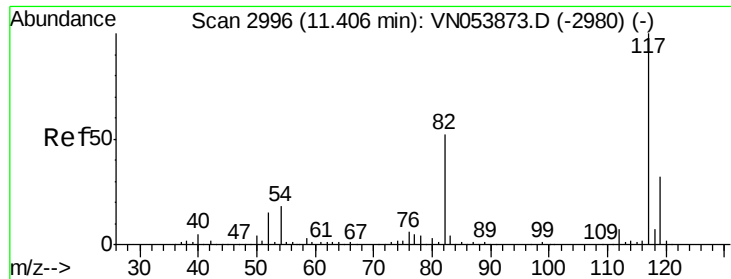
100000

50000

0

Time--> 12.35 12.40 12.45





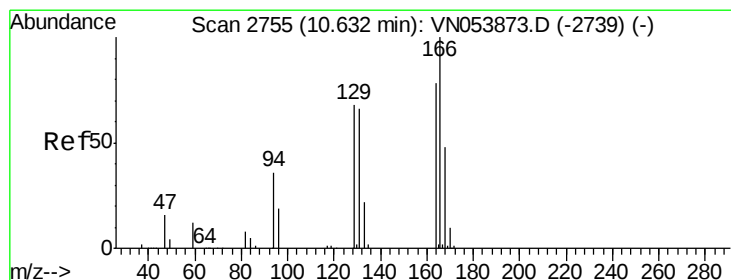
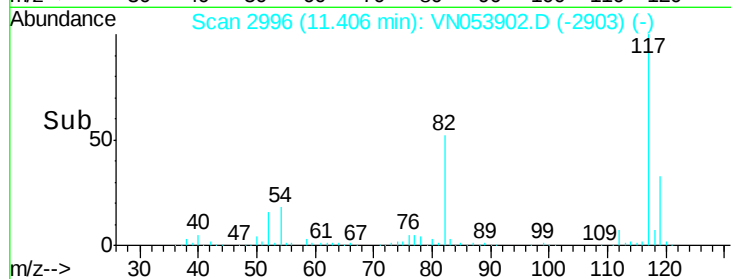
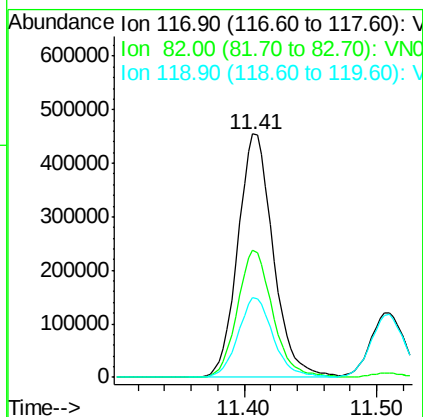
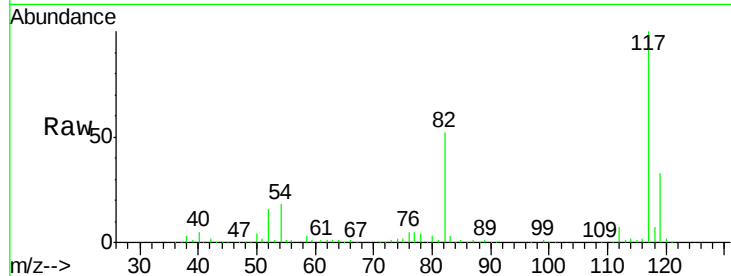
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.0  | 41.4  | 62.2  |
| 119     | 32.5  | 25.3  | 37.9  |

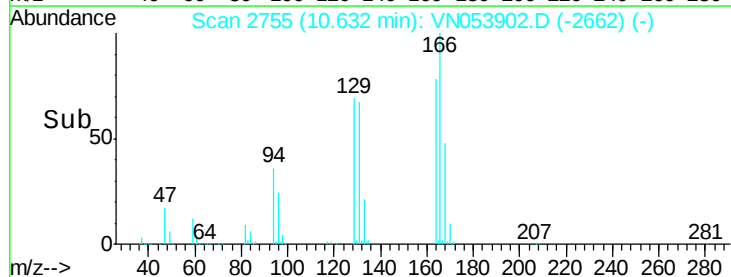
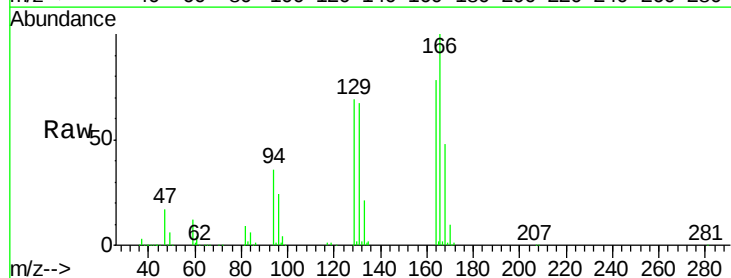
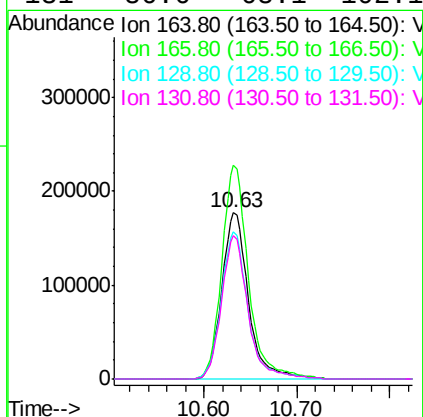
Manual Integrations  
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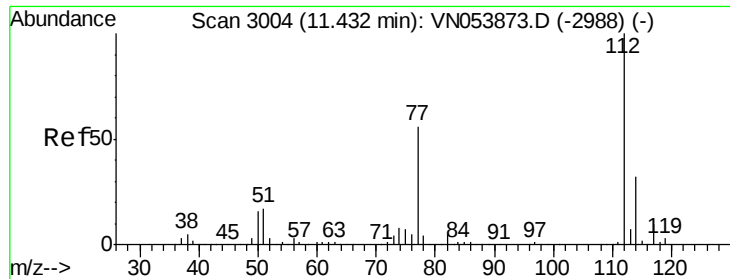
MMDadoda  
2/22/2019 10:31:01 AM



#64  
Tetrachloroethene  
Concen: 46.939 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.6 | 102.6 | 153.8 |
| 129     | 88.6  | 69.4  | 104.0 |
| 131     | 86.6  | 68.1  | 102.1 |





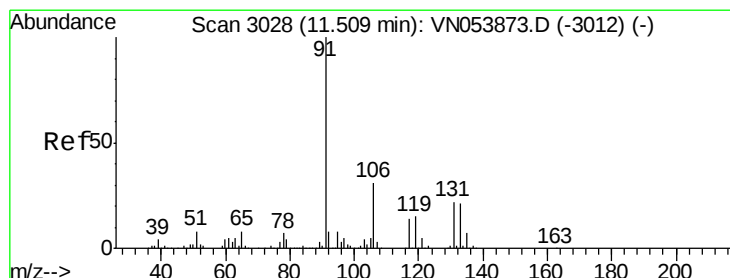
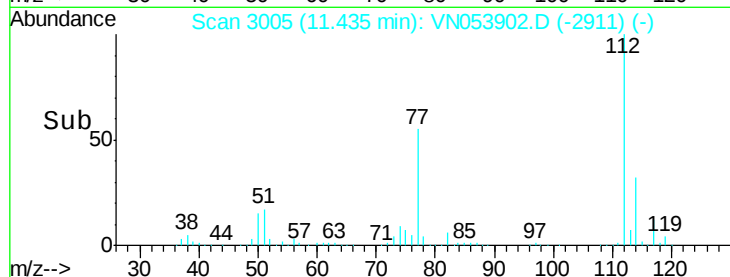
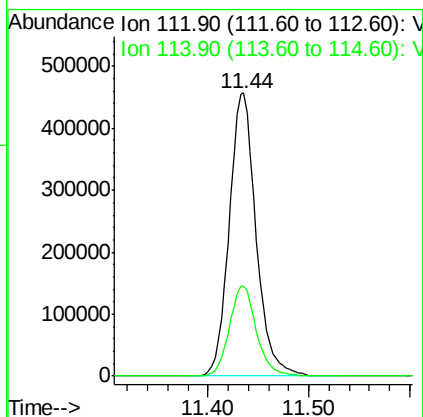
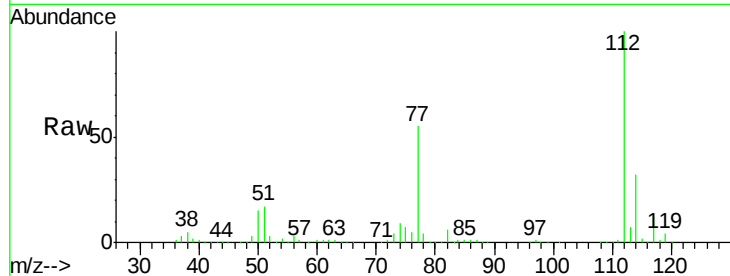
#65  
Chlorobenzene  
Concen: 47.956 ug/l  
RT: 11.44 min Scan# 3005  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 846805  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.7 38.5

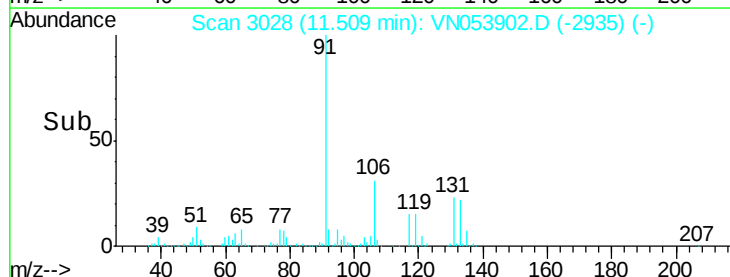
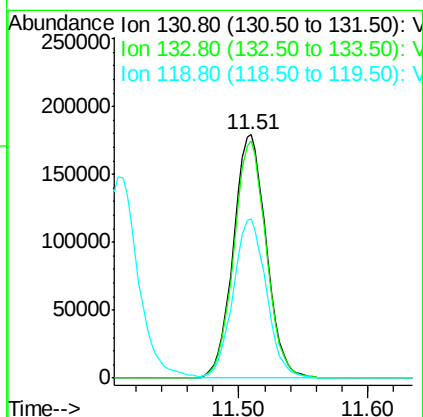
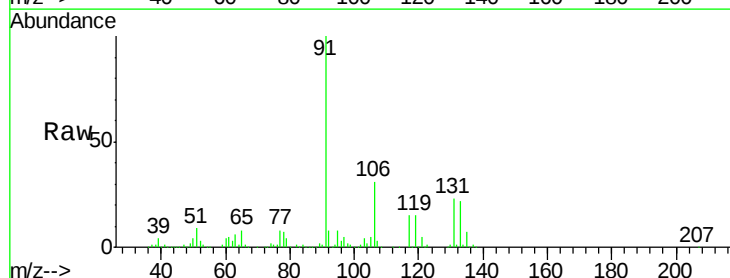
Manual Integrations  
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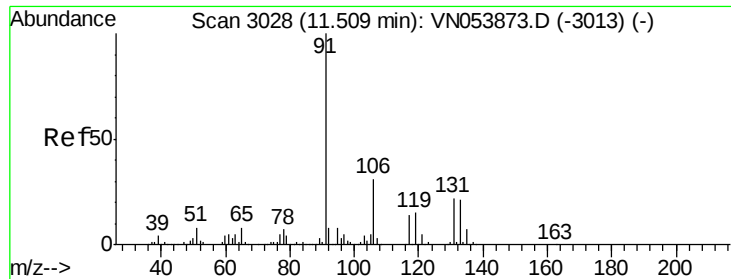
MMDadoda  
2/22/2019 10:31:01 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.316 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Tgt Ion:131 Resp: 317780  
Ion Ratio Lower Upper  
131 100  
133 95.9 47.7 143.1  
119 66.0 33.1 99.3





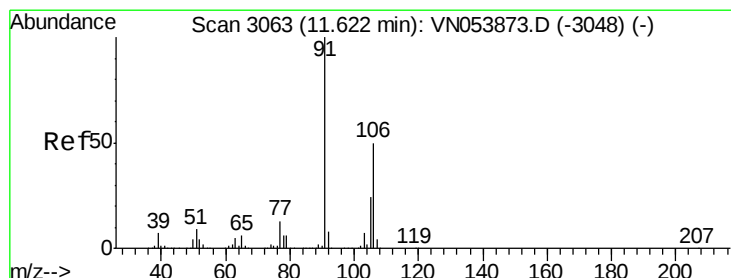
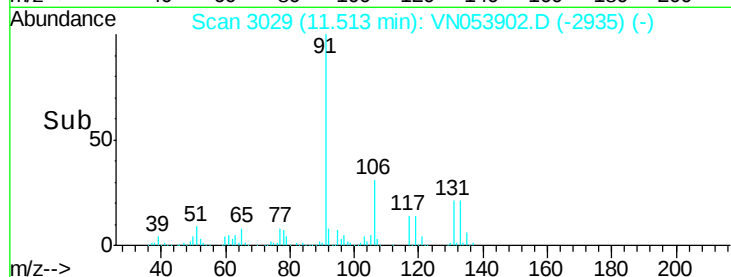
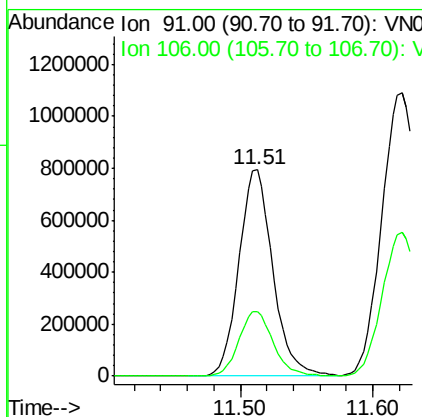
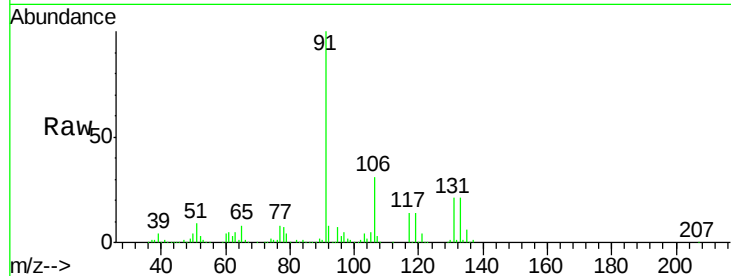
#67  
Ethyl Benzene  
Concen: 49.525 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 1415298  
Ion Ratio Lower Upper  
91 100  
106 31.4 25.2 37.8

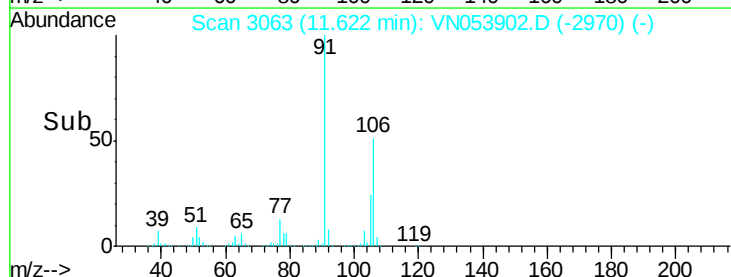
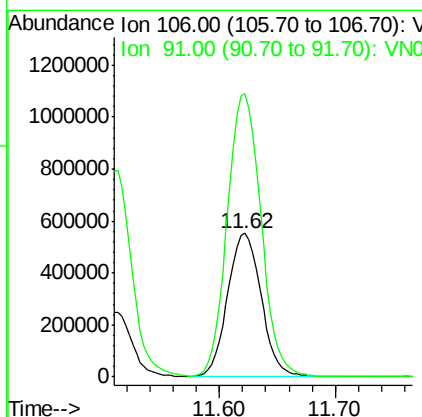
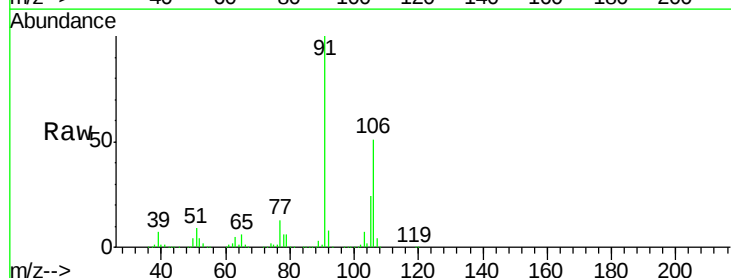
Manual Integrations  
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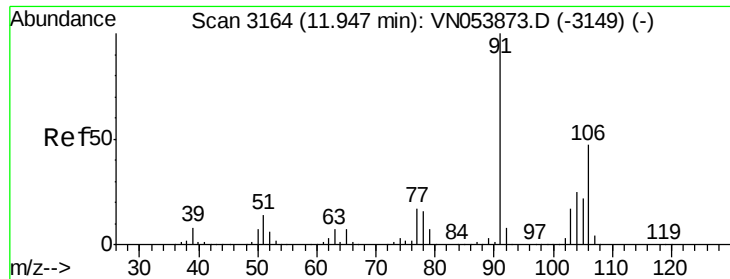
MMDadoda  
2/22/2019 10:31:01 AM



#68  
m/p-Xylenes  
Concen: 100.710 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Tgt Ion: 106 Resp: 1114374  
Ion Ratio Lower Upper  
106 100  
91 198.1 158.9 238.3





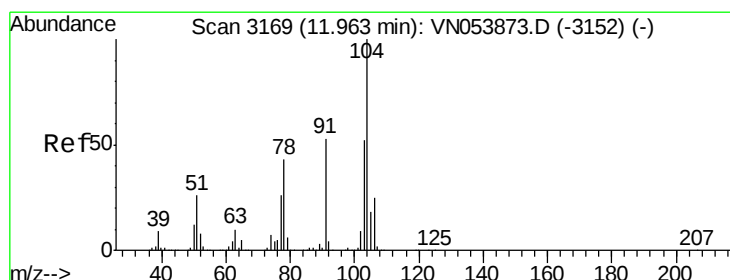
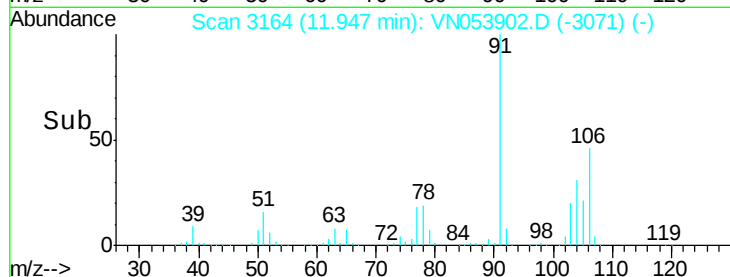
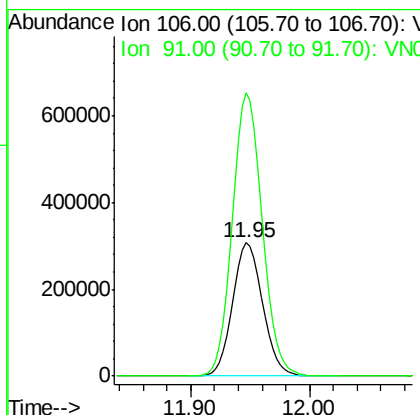
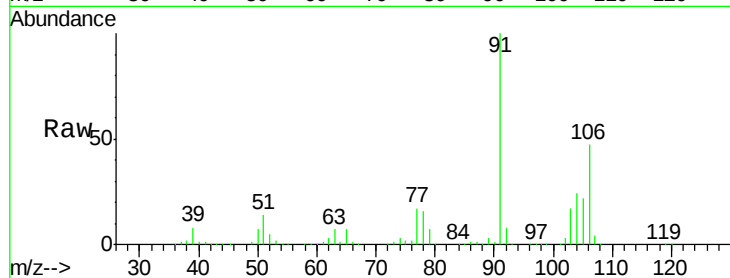
#69  
o-Xylene  
Concen: 50.431 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 211.6 | 106.0 | 318.0 |       |

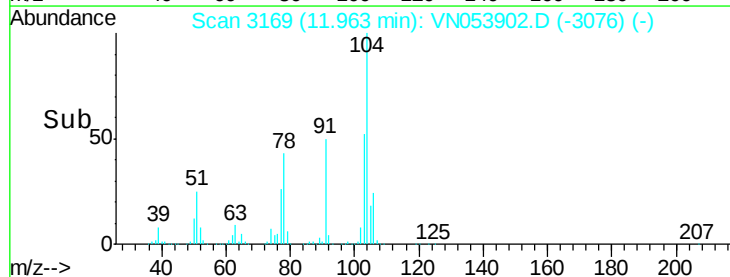
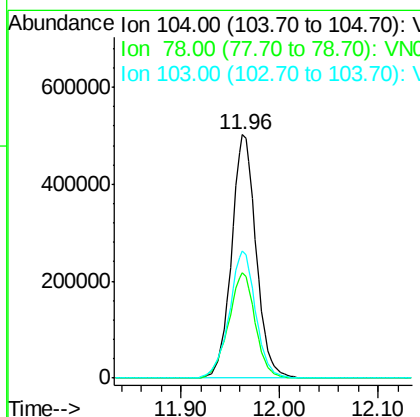
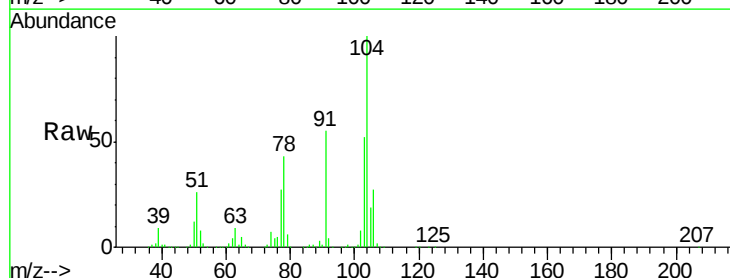
Manual Integrations  
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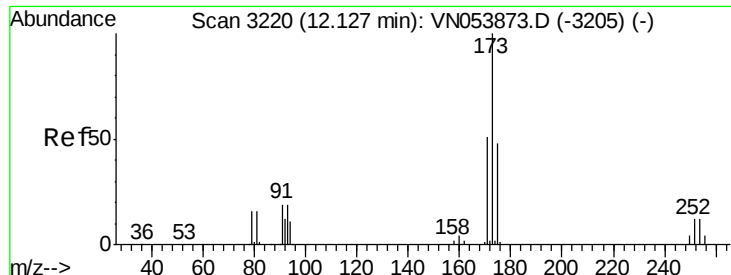
MMDadoda  
2/22/2019 10:31:01 AM



#70  
Styrene  
Concen: 51.909 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 104     | 100  |       |       |       |
| 78      | 47.2 | 38.1  | 57.1  |       |
| 103     | 56.1 | 44.6  | 67.0  |       |





#71

Bromoform

Concen: 50.775 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA\_N

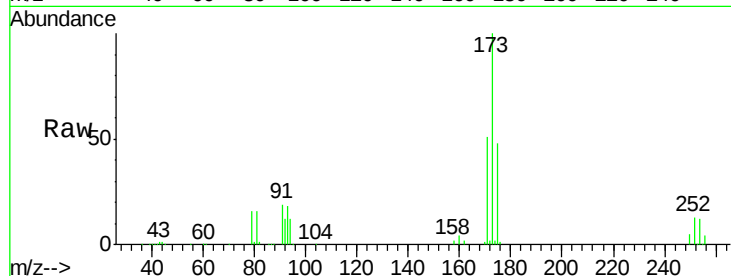
ClientSampleId :

VSTDCCC050EC

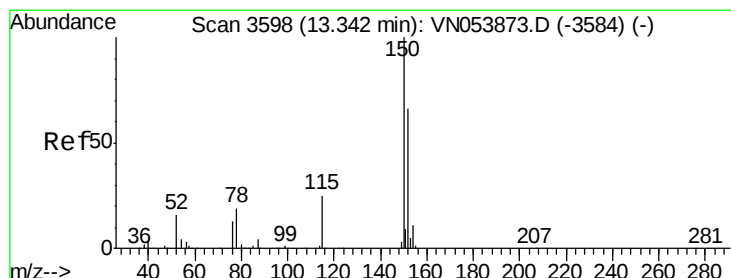
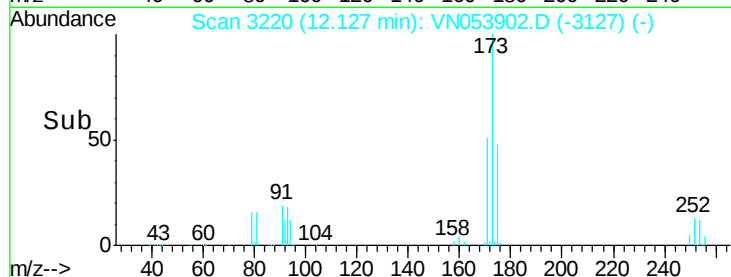
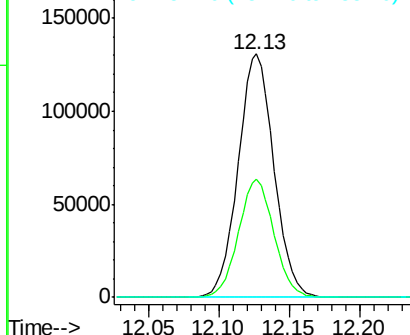
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.1  | 24.3  | 72.8  |
| 254     | 0.0   | 0.2   | 0.2   |

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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

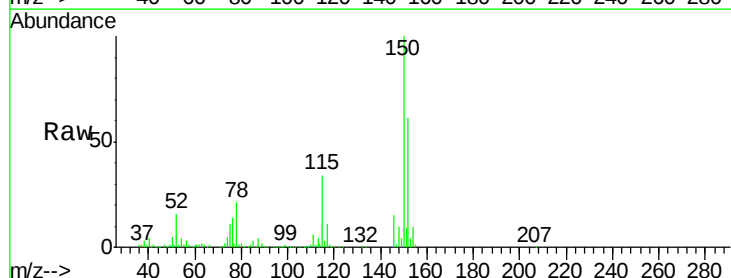
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

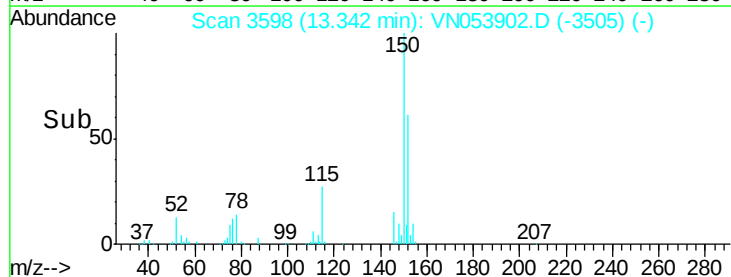
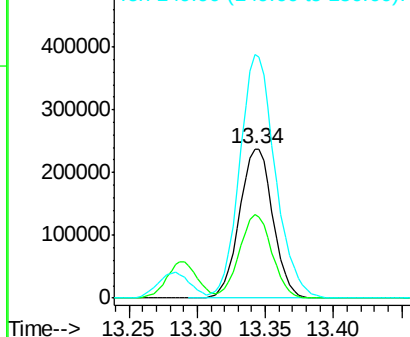
Lab File: VN053902.D

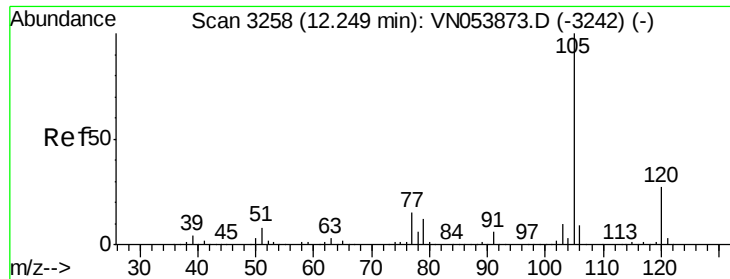
Acq: 21 Feb 2019 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.6  | 27.2  | 81.6  |
| 150     | 173.6 | 0.0   | 348.2 |



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: 49.372 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1401288

Ion Ratio Lower Upper

105 100

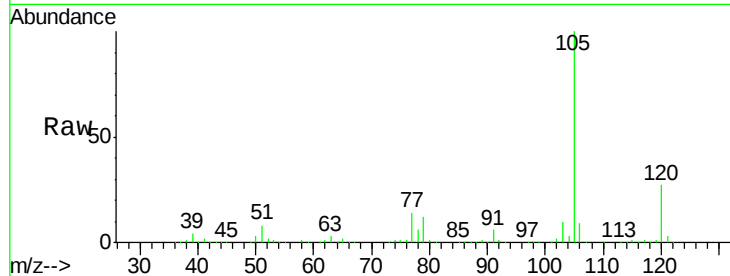
120 27.3 13.5 40.5

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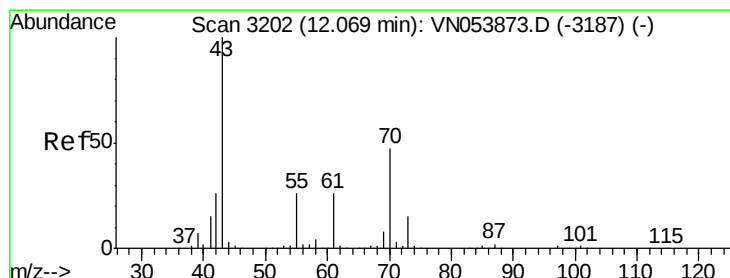
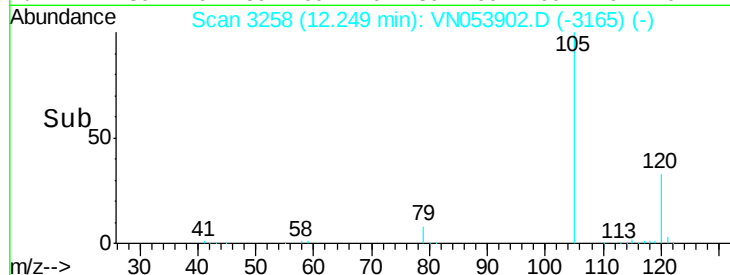
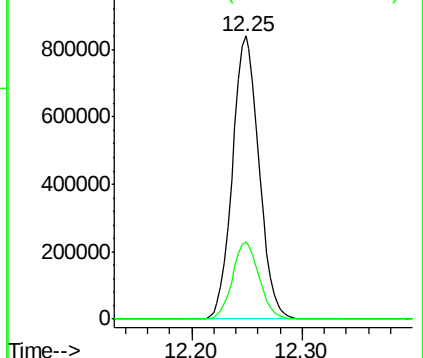
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.409 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Tgt Ion: 43 Resp: 335073

Ion Ratio Lower Upper

43 100

70 46.5 37.4 56.2

55 27.2 21.4 32.0

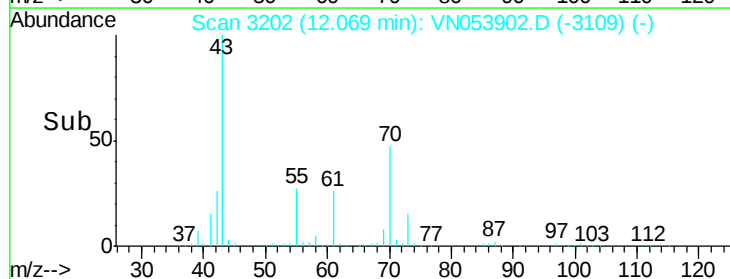
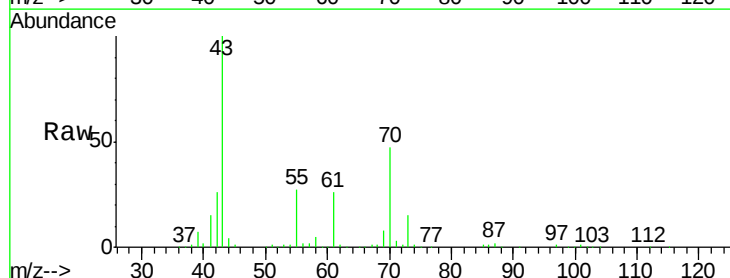
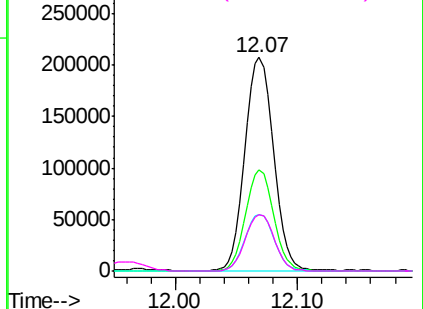
61 26.7 20.9 31.3

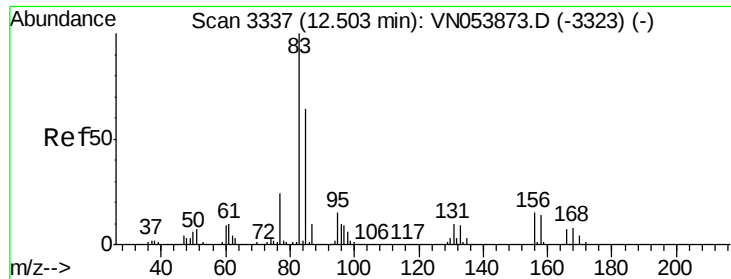
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 49.534 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA\_N

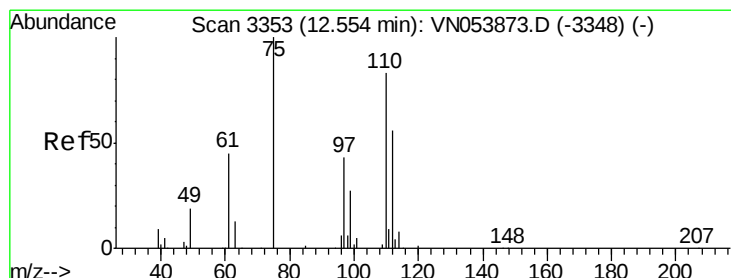
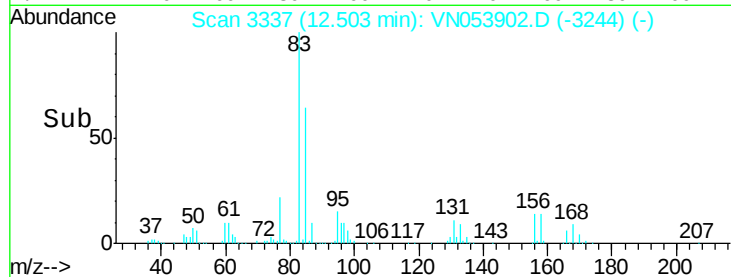
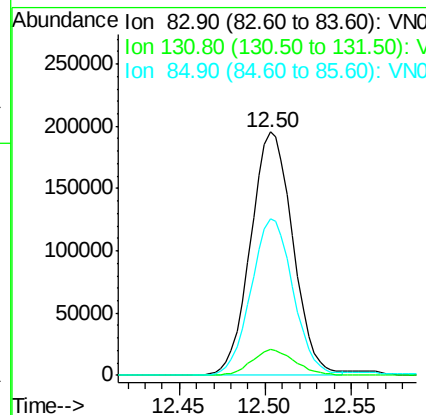
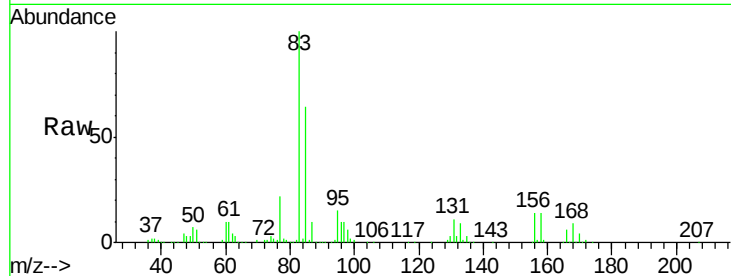
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 332386 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.8  | 5.3   | 16.1   |
| 85        | 63.9  | 31.9  | 95.9   |

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#76

1,2,3-Trichloropropane

Concen: 46.005 ug/l m

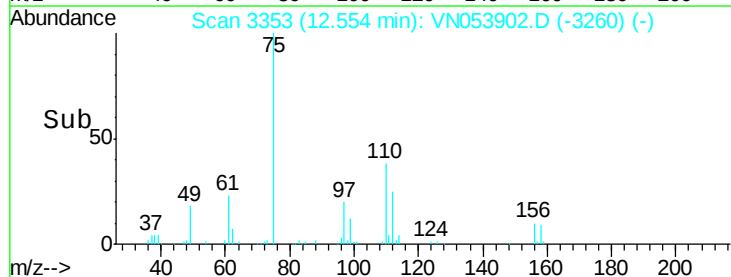
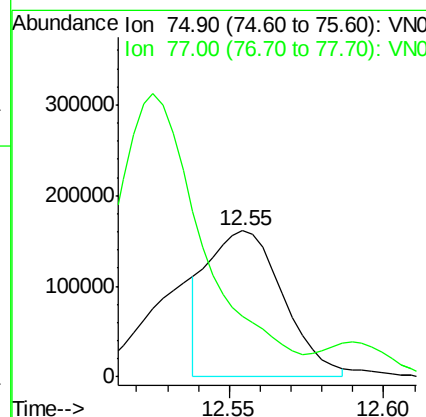
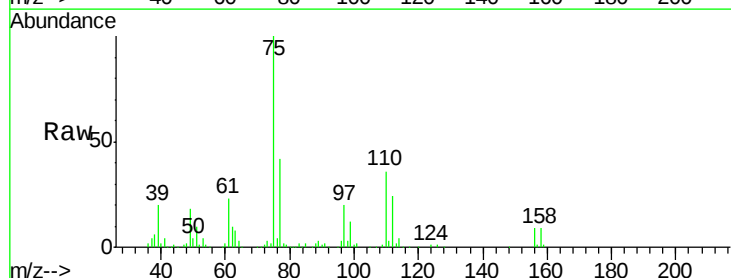
RT: 12.55 min Scan# 3353

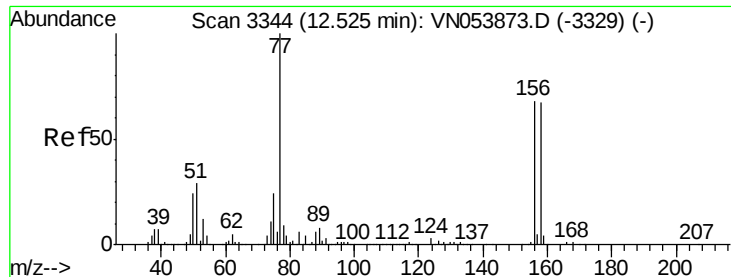
Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 272087 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 49.217 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA\_N

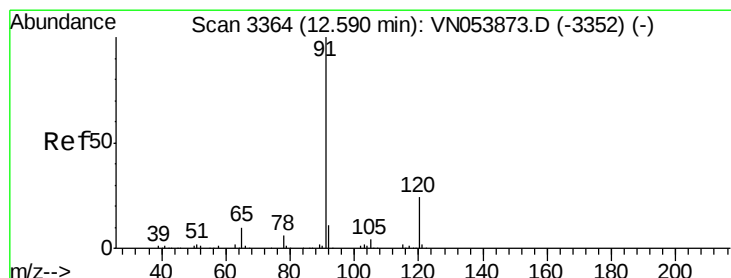
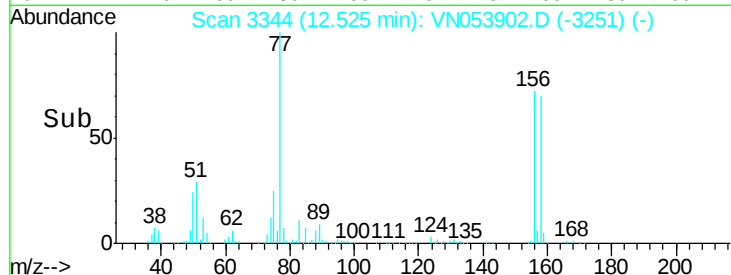
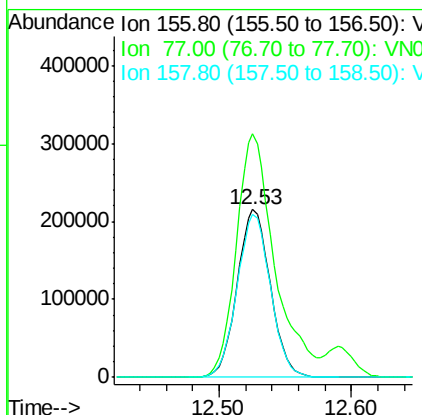
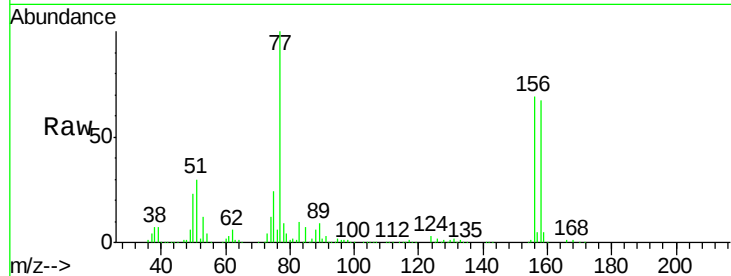
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 374725 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 167.6 | 84.0  | 252.2  |
| 158       | 97.9  | 48.5  | 145.6  |

Manual Integrations  
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#78

n-propylbenzene

Concen: 50.421 ug/l

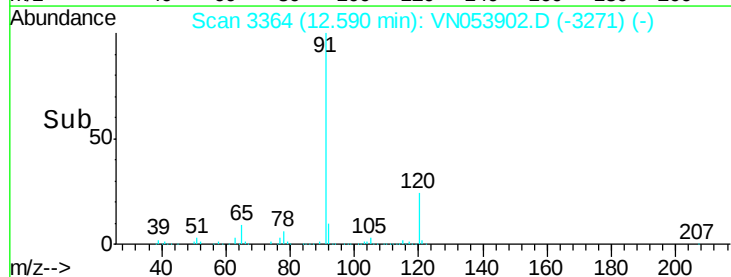
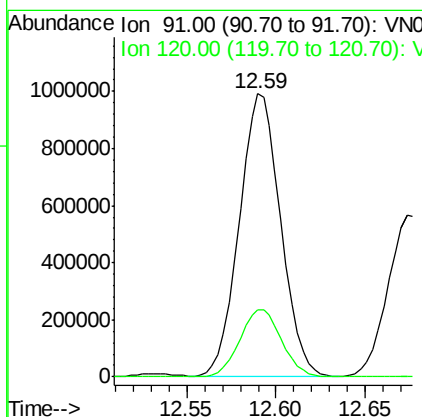
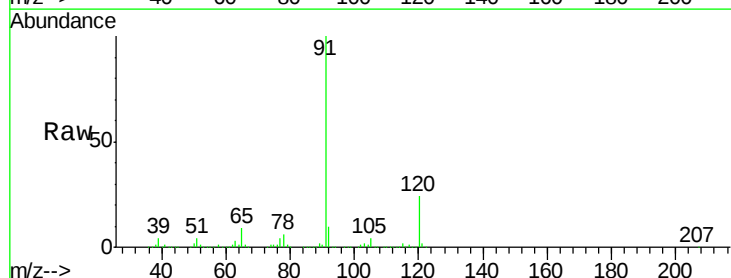
RT: 12.59 min Scan# 3364

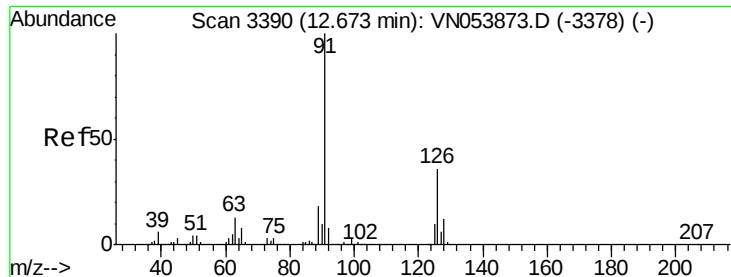
Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1600320 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 24.1  | 11.9  | 35.9    |





#79

2-Chlorotoluene

Concen: 49.497 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 947239

Ion Ratio Lower Upper

91 100

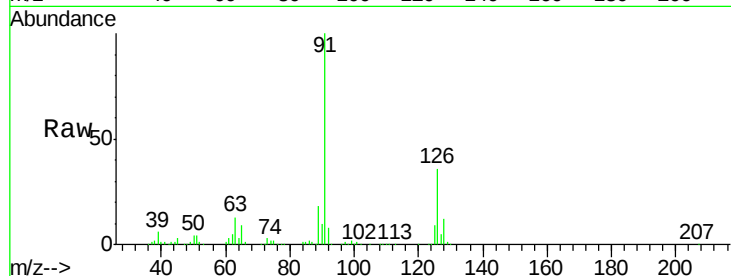
126 36.4 18.1 54.4

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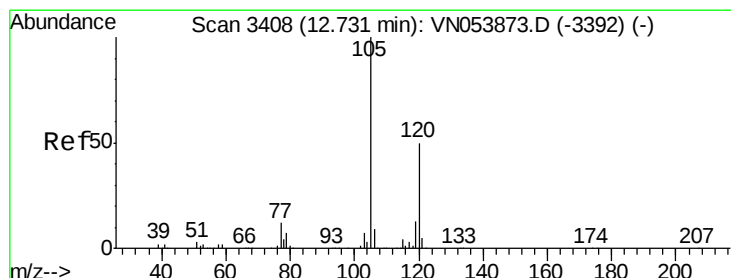
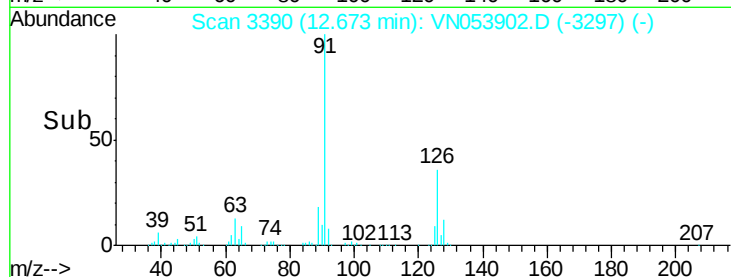
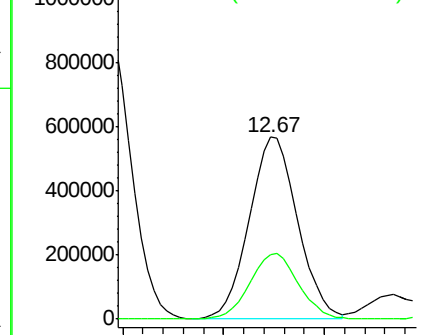
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Abundance Ion 91.00 (90.70 to 91.70): VN053873.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053873.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.376 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053902.D

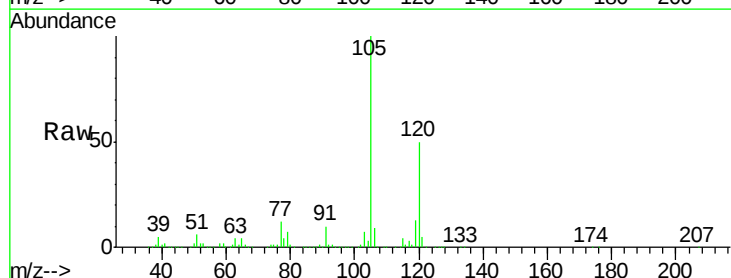
Acq: 21 Feb 2019 19:38

Tgt Ion: 105 Resp: 1210368

Ion Ratio Lower Upper

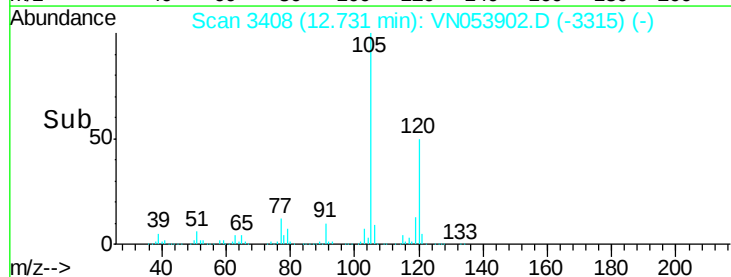
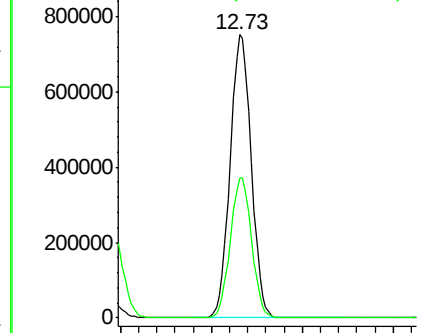
105 100

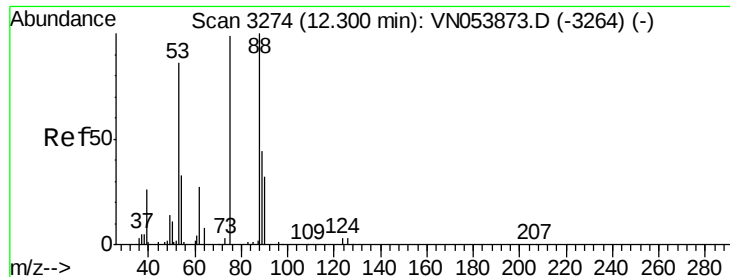
120 50.0 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN053873.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN053873.D (-3392) (-)





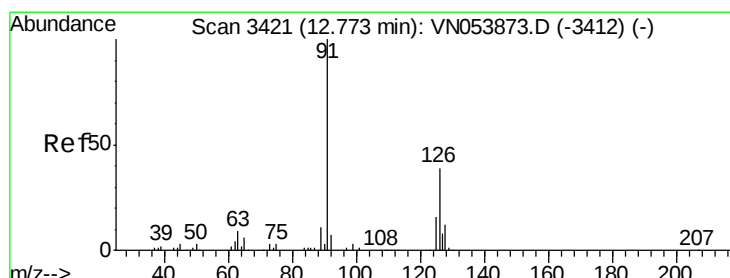
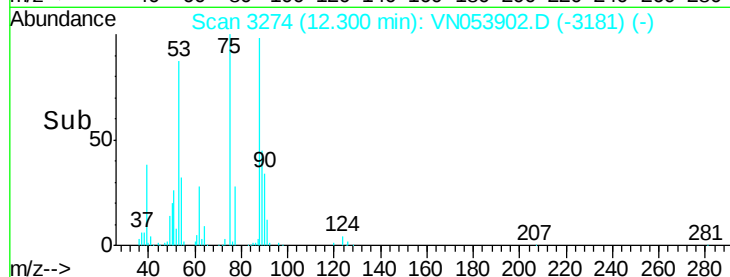
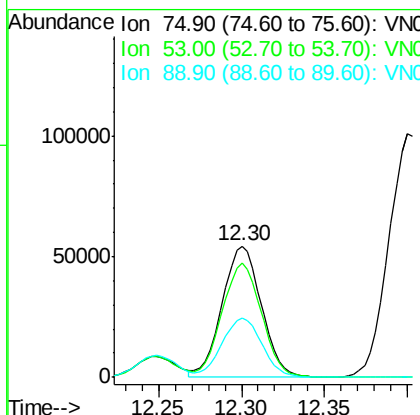
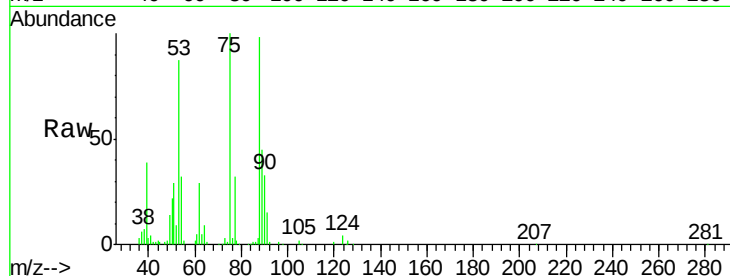
#81  
trans-1,4-Dichloro-2-butene  
Concen: 50.088 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 86.9  | 68.6  | 102.8 |
| 89      | 45.9  | 35.3  | 52.9  |

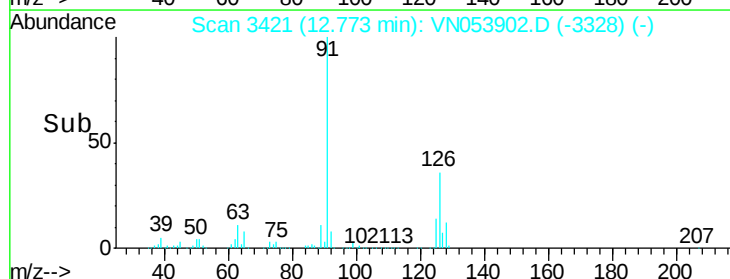
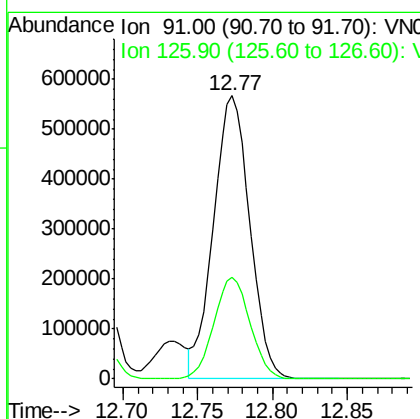
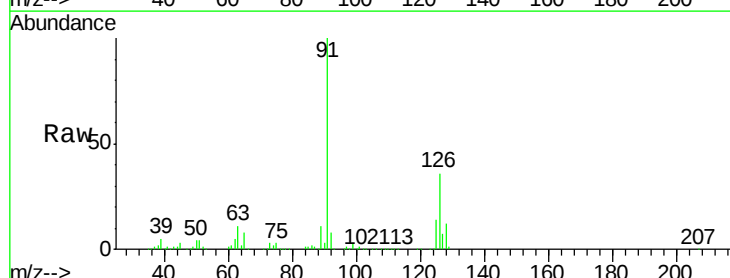
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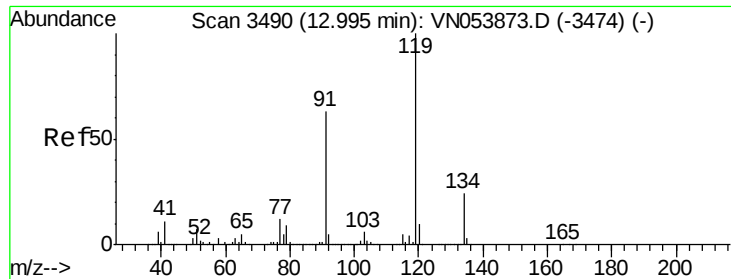
MMDadoda  
2/22/2019 10:31:01 AM



#82  
4-Chlorotoluene  
Concen: 50.202 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.7  | 18.0  | 54.0  |





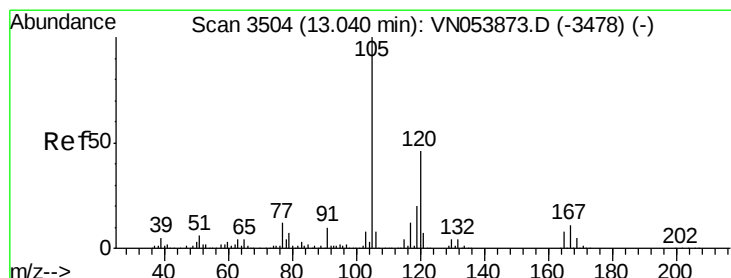
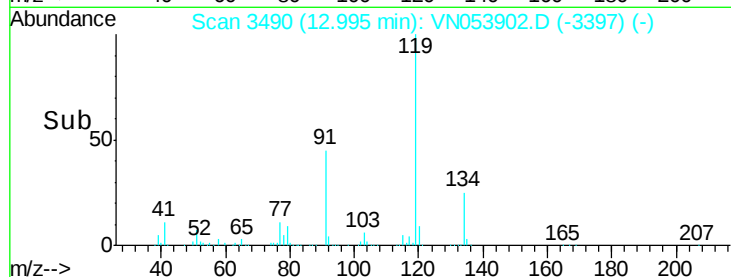
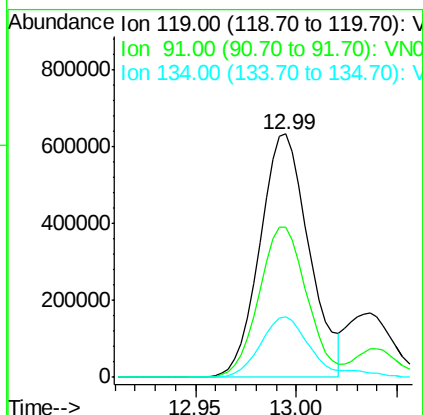
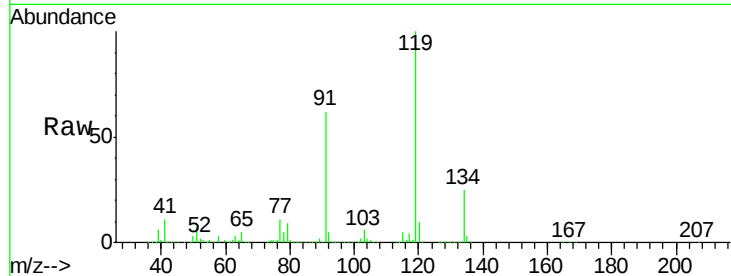
#83  
 tert-Butylbenzene  
 Concen: 50.826 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. 0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 60.2  | 30.6  | 91.8  |
| 134     | 26.0  | 13.0  | 39.0  |

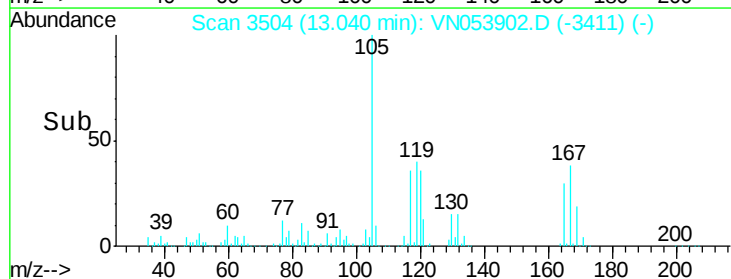
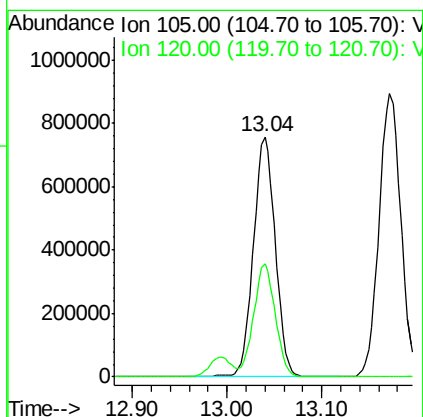
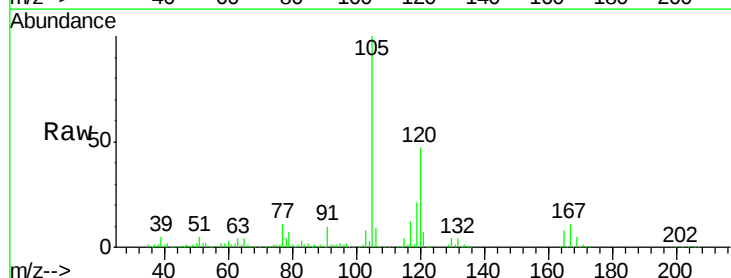
Manual Integrations  
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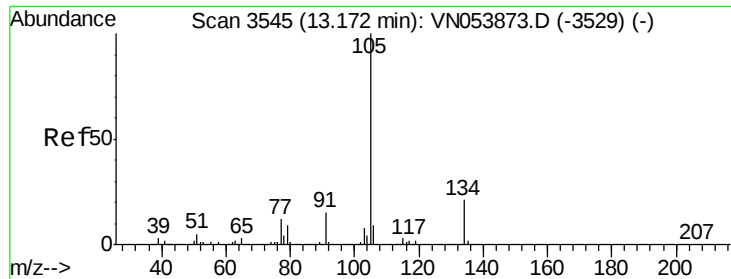
MMDadoda  
 2/22/2019 10:31:01 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 51.468 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.7  | 23.2  | 69.5  |





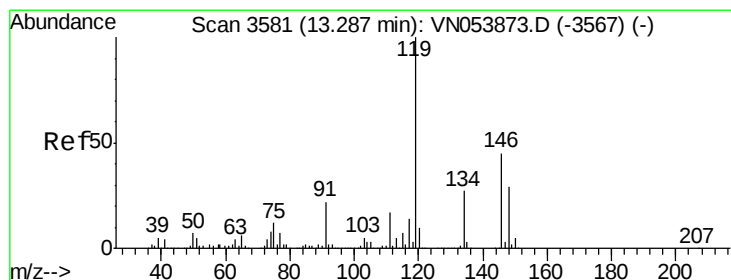
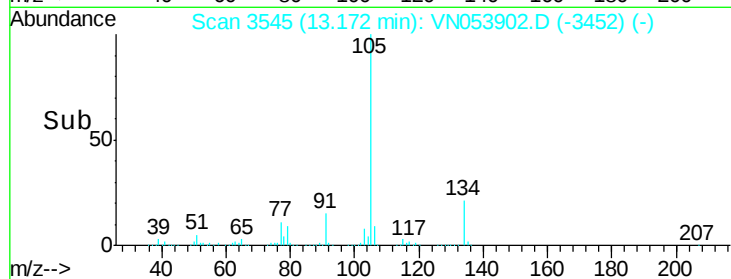
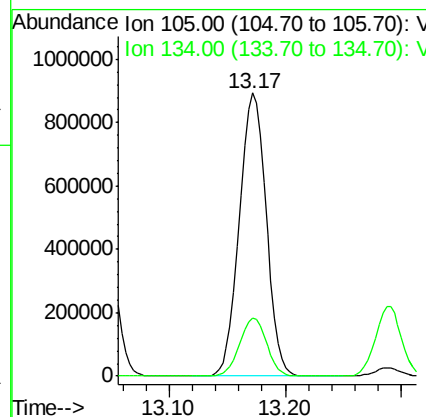
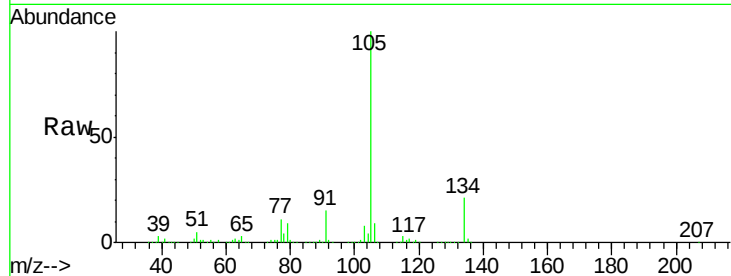
#85  
 sec-Butylbenzene  
 Concen: 50.174 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. 0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Tot Ion:105 Resp: 1429092  
 Ion Ratio Lower Upper  
 105 100  
 134 20.7 10.4 31.1

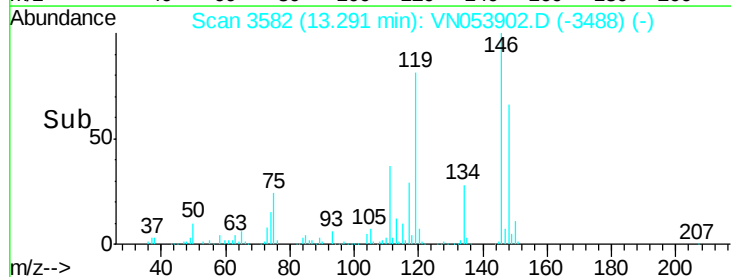
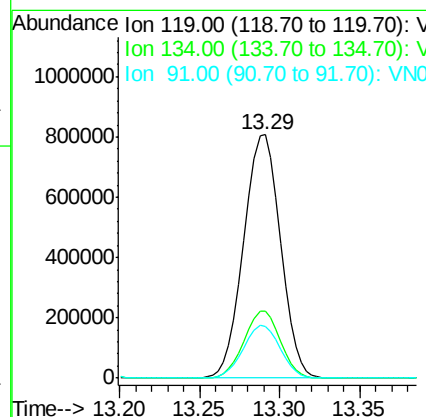
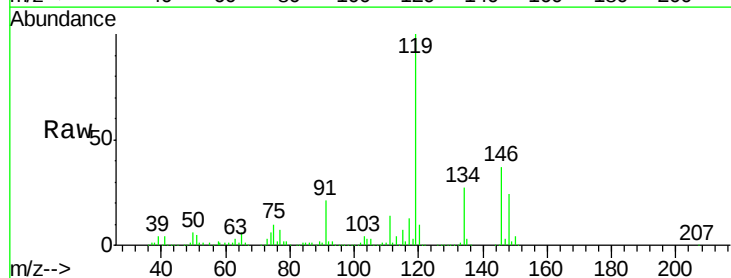
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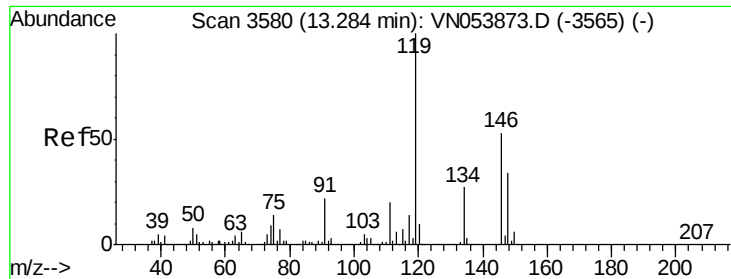
MMDadoda  
 2/22/2019 10:31:01 AM



#86  
 p-Isopropyltoluene  
 Concen: 51.164 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

Tgt Ion:119 Resp: 1264757  
 Ion Ratio Lower Upper  
 119 100  
 134 27.2 13.5 40.4  
 91 21.6 10.9 32.6





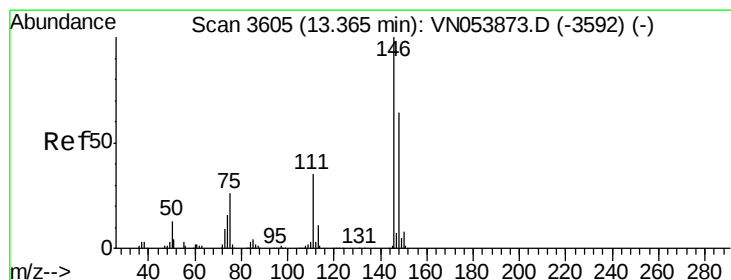
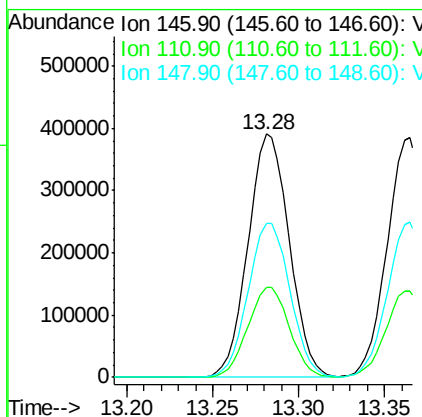
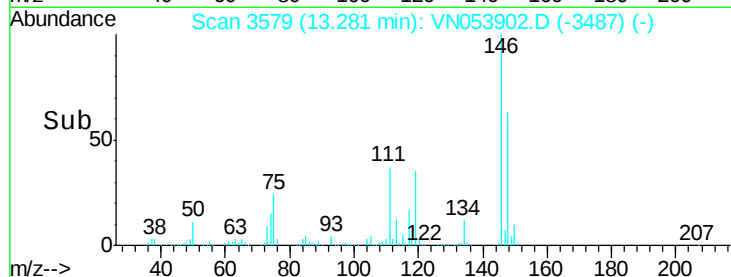
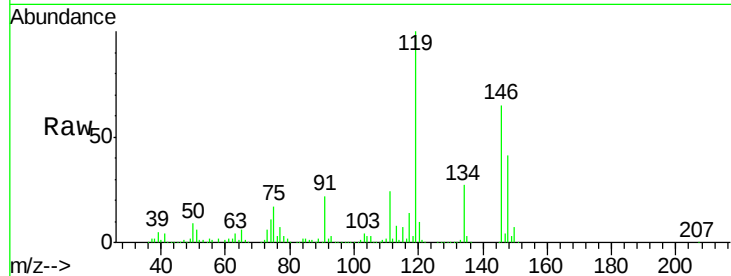
#87  
 1,3-Dichlorobenzene  
 Concen: 49.055 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. -0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.1  | 18.7  | 56.1  |
| 148     | 64.4  | 32.0  | 96.2  |

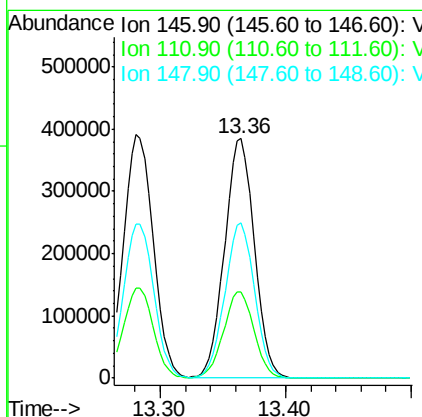
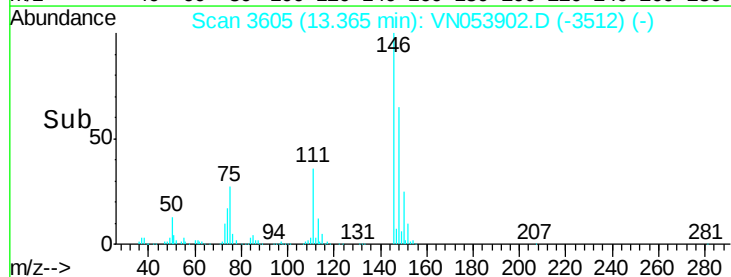
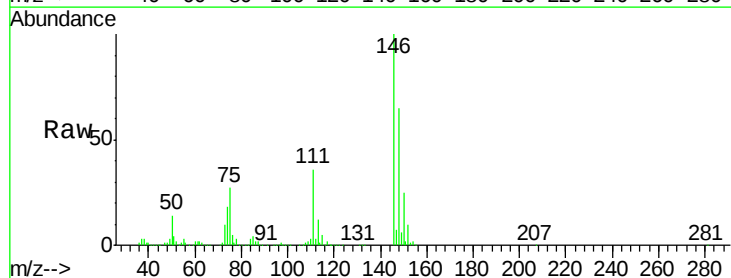
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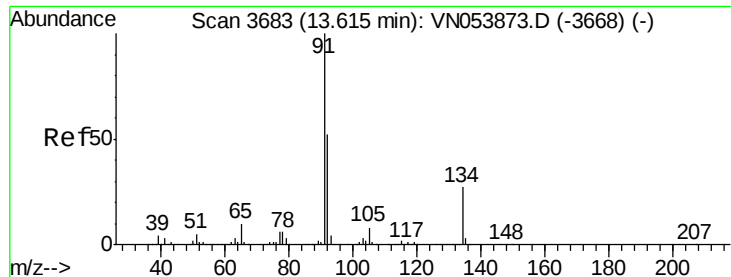
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 2/22/2019 10:31:01 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 47.394 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.7  | 18.0  | 54.0  |
| 148     | 64.9  | 32.1  | 96.5  |





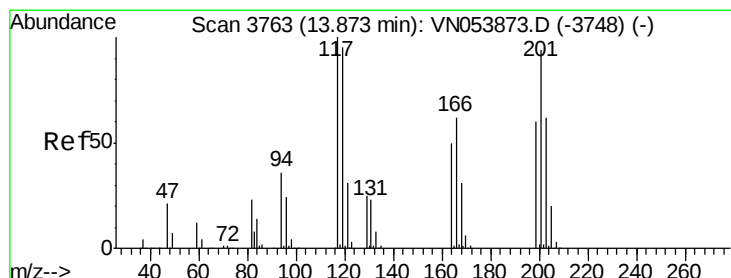
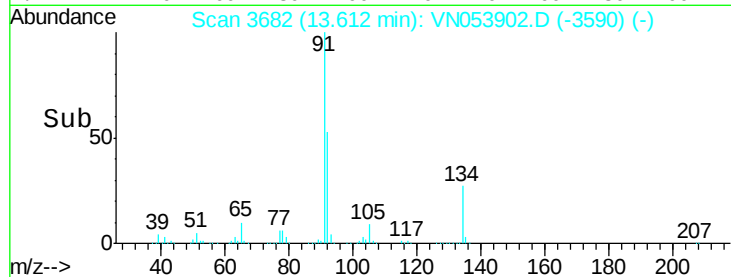
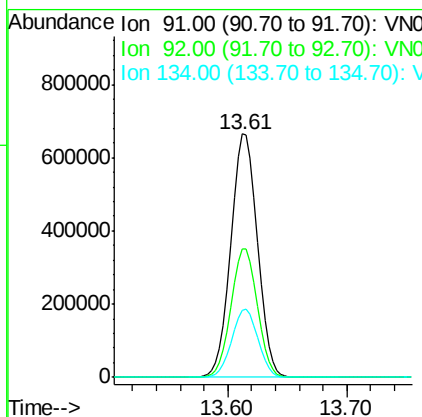
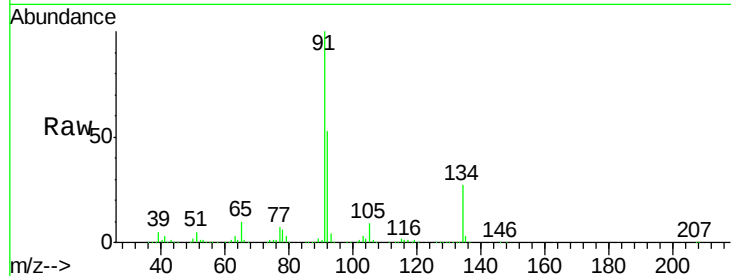
#89  
n-Butylbenzene  
Concen: 50.677 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. -0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 1030164  
Ion Ratio Lower Upper  
91 100  
92 52.4 26.1 78.2  
134 27.7 13.6 40.8

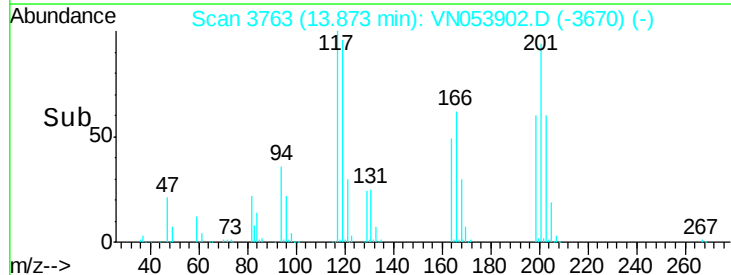
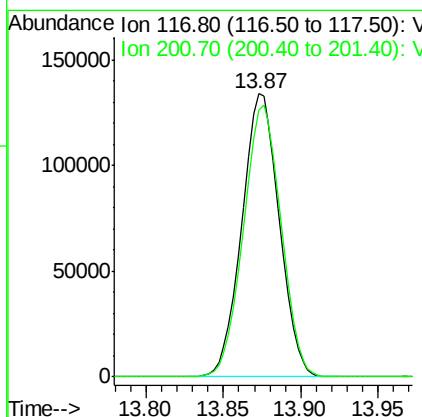
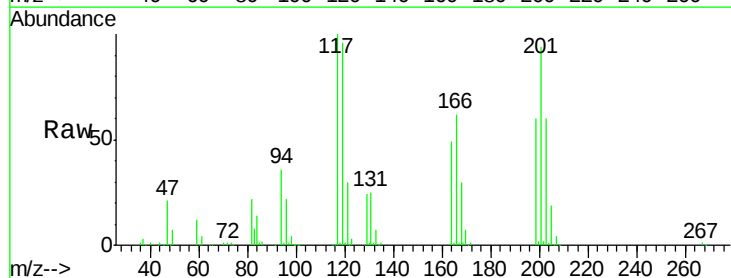
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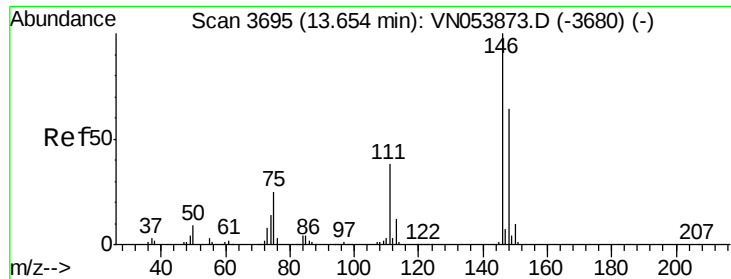
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#90  
Hexachloroethane  
Concen: 47.720 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Tgt Ion: 117 Resp: 225355  
Ion Ratio Lower Upper  
117 100  
201 96.7 48.0 144.2





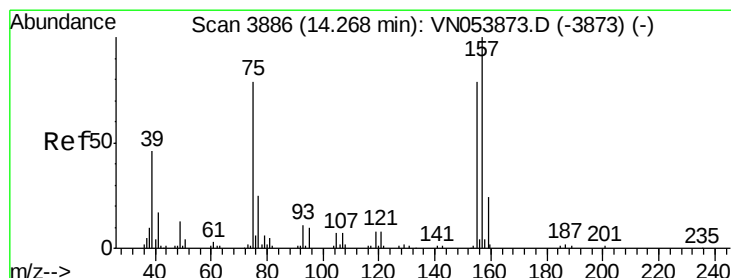
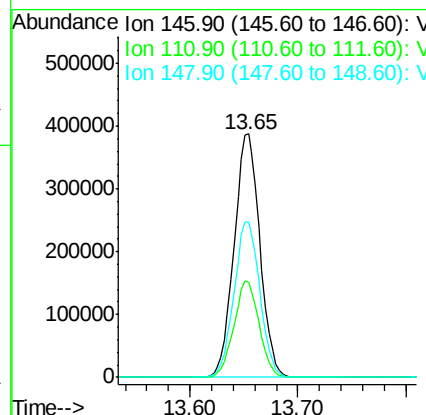
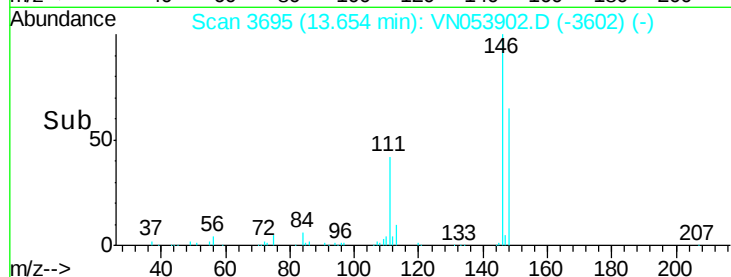
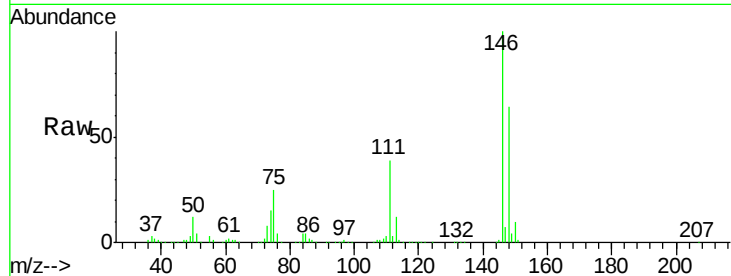
#91  
 1,2-Dichlorobenzene  
 Concen: 49.482 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.6  | 19.1  | 57.5  |
| 148     | 64.2  | 32.1  | 96.5  |

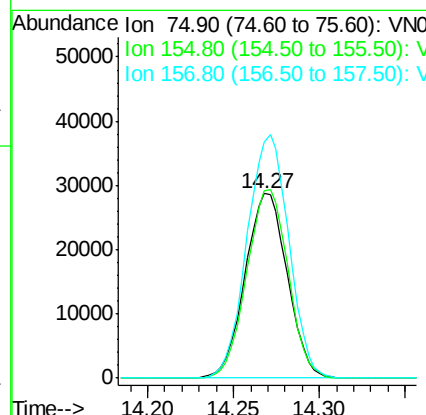
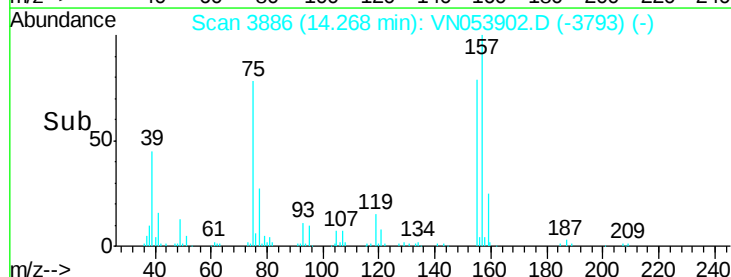
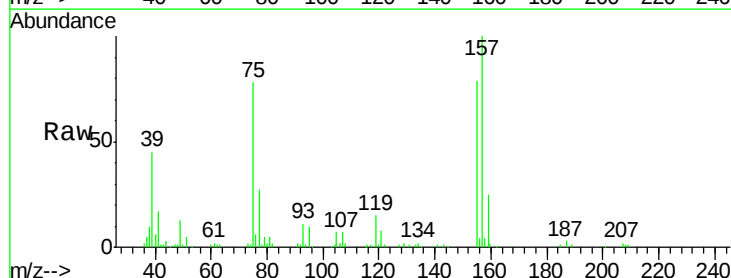
Manual Integrations  
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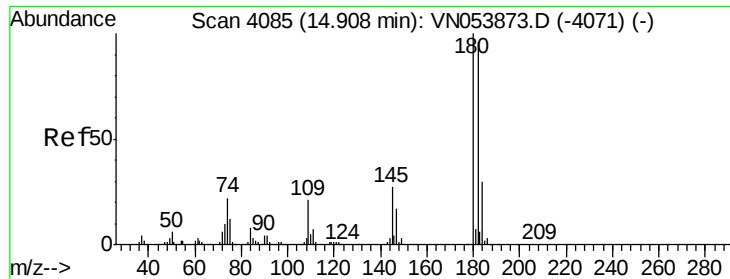
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 49.835 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 100.1 | 49.5  | 148.5 |
| 157     | 130.6 | 64.8  | 194.6 |





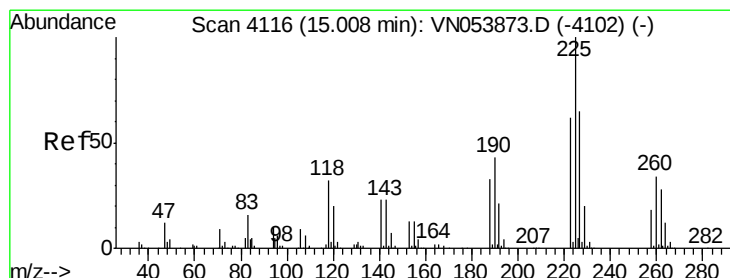
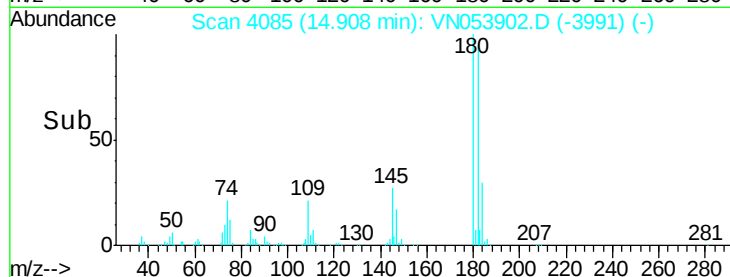
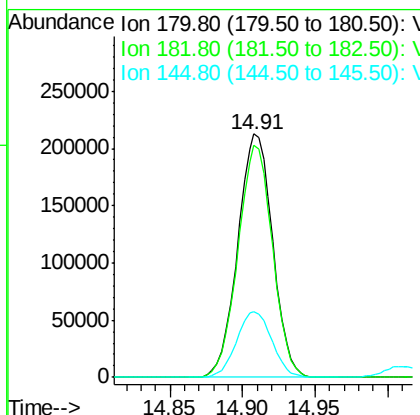
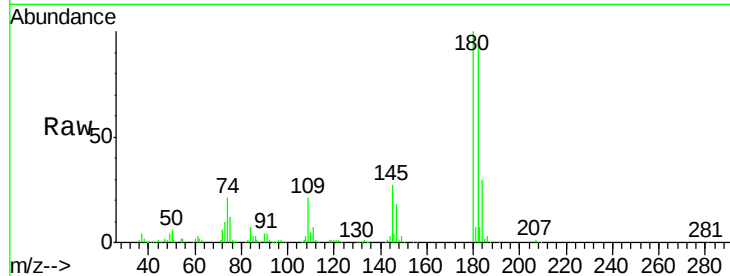
#93  
 1,2,4-Trichlorobenzene  
 Concen: 45.120 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 94.7  | 48.6 | 145.9 |       |
| 145     | 27.4  | 13.8 | 41.3  |       |

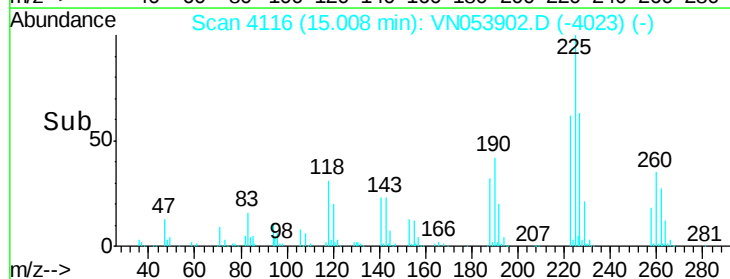
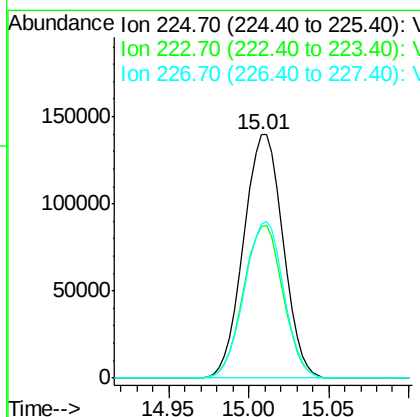
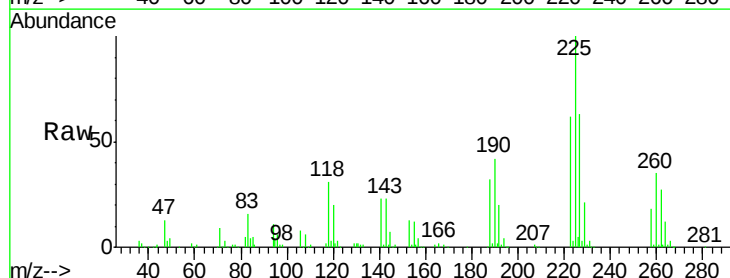
Manual Integrations  
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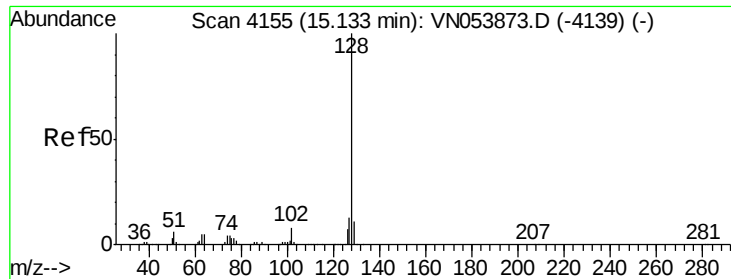
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#94  
 Hexachlorobutadiene  
 Concen: 43.386 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN053902.D  
 Acq: 21 Feb 2019 19:38

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 63.0  | 30.9 | 92.5  |       |
| 227     | 64.1  | 32.5 | 97.4  |       |





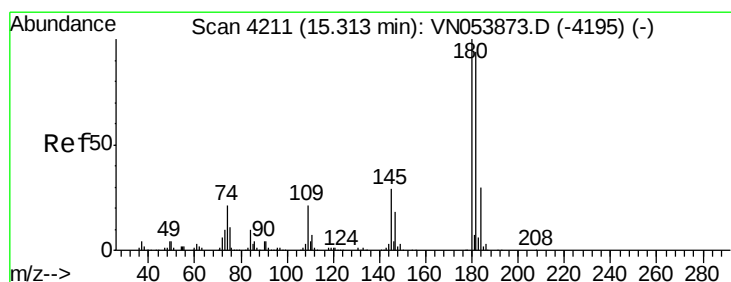
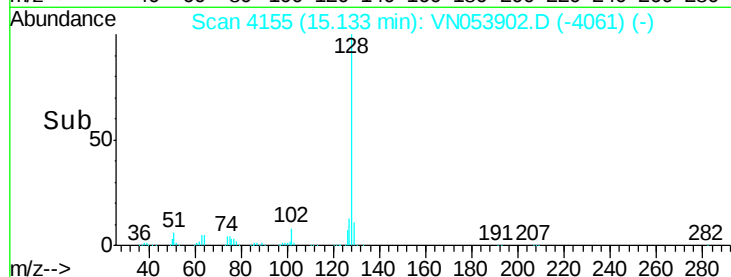
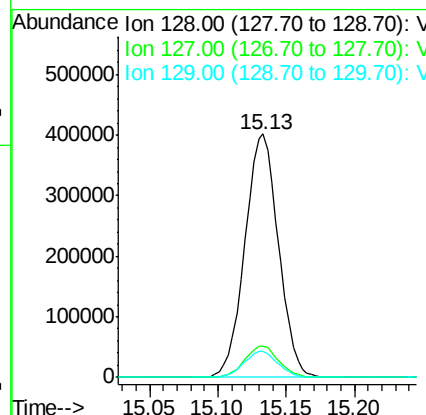
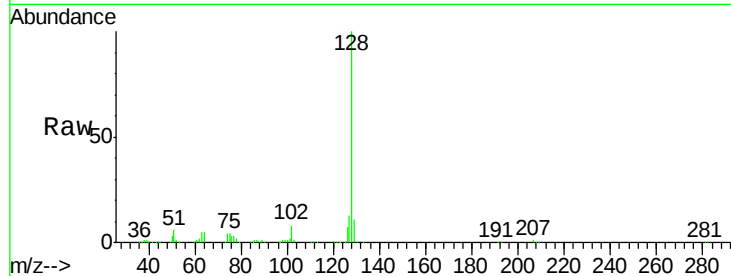
#95  
Naphthalene  
Concen: 43.518 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.2  | 15.2  |
| 129     | 10.8  | 8.6   | 12.8  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 46.030 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. 0.00 min  
Lab File: VN053902.D  
Acq: 21 Feb 2019 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.5  | 47.3  | 141.8 |
| 145     | 29.1  | 14.4  | 43.0  |

